40—No. 3 March 1976

TEL. REF

ISSN 0006-153X

BIBLIOGRAPHY OF AGRICULTURE

with SUBJECT INDEX

Data provided by National Agricultural Library
U.S. Department of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
AUG 6 '76
CURRENT SERIAL RECORDS

ORYX PRESS

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

Copyright © 1976 by The Oryx Press

The Bibliography of Agriculture is published monthly by The Oryx Press, 3930 E. Camelback Road, Phoenix, AZ 85018. All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photo-copying, recording, or by any information storage and retrieval system, without permission in writing from The Oryx Press. Price $170.00 for 12 Issues, plus postage ($10.50 U.S. and Canada, all others $13.00); individual issue $10.00, plus $1.25 for postage and handling.

Manufactured in the United States of America.

Second Class Postage paid at Scottsdale, AZ.

Vol. 40—No. 3 March 1976 Entries 021068–030990

BIBLIOGRAPHY OF AGRICULTURE

with SUBJECT INDEX

Data provided by National Agricultural Library
U.S. Department of Agriculture

CONTENTS

INTRODUCTION . . . . . p. iii
LIST OF JOURNAL TITLE ABBREVIATIONS CITED . . . . . p. vii
MAIN ENTRY SECTION . . . . . p. 1

General agriculture and rural sociology . . . . . 021068 – 021157
General agricultural economics and land economics . . . . . 021158 – 021233
Agricultural administration and management . . . . . 021234 – 021349
Agricultural production costs and returns . . . . . 021350 – 021460
Agricultural production distribution . . . . . 021461 – 021657
Statistical data and methodology . . . . . 021658 – 021674
Outlook, policies, programs, and legislation . . . . . 021675 – 021828
Consumer protection . . . . . 021829 – 021988
Human nutrition . . . . . 021989 – 022226
Home economics . . . . . 022227 – 022235
Food and nutrition—history . . . . . 022236 – 022254
Food and nutrition—standards and legislation . . . . . 022255 – 022257
Food and nutrition—management and administration . . . . . 022258 – 022281
Food and nutrition—education and training . . . . . 022282 – 022293
Menu planning . . . . . 022294 – 022297
Food preparation and production . . . . . 022298 – 022318
Food and nutrition—equipment . . . . . 022319 – 022336
Food and nutrition—sanitation and safety . . . . . 022337 – 022339
Food technology . . . . . 022340 – 022346
Food and nutrition—general programs . . . . . 022347 – 022354
Recipes . . . . . 022355 – 022361
Food and nutrition—reference materials . . . . . 022362 – 022363
Food and nutrition—purchasing, receiving and storage . . . . . 022364 – 022367
Agricultural products—general . . . . . 022368 – 022555
Dairy products . . . . . 022556 – 022642
Livestock products . . . . . 022643 – 022721
Poultry products . . . . . 022722 – 022731
Field crop products . . . . . 022732 – 022861
Horticultural products . . . . . 022862 – 023007
Feed products . . . . . 023008 – 023087
Animal husbandry . . . . . 023088 – 023173
Livestock biology . . . . . 023174 – 023686
Livestock feeding . . . . . 023687 – 023966

THE ORYX PRESS
3930 E. Camelback Road
Phoenix, AZ 85018

Livestock breeding ..... 023967 – 024291
Veterinary medicine ..... 024292 – 024395
Infectious and parasitic diseases ..... 024396 – 024811
Non-infectious diseases ..... 024812 – 024937
Miscellaneous diseases ..... 024938 – 025008
Forestry—general ..... 025009 – 025072
Forest management ..... 025073 – 025175
Silviculture ..... 025176 – 025264
Forest industries ..... 025265 – 025541
General plant science ..... 025542 – 025572
Plant taxonomy and geography ..... 025573 – 025853
Plant ecology ..... 025854 – 025927
Plant morphology, anatomy and cytology ..... 025928 – 026070
Plant genetics and breeding ..... 026071 – 026314
Plant physiology and biochemistry—general ..... 026315 – 026871
Physiology and biochemistry of field crops ..... 026872 – 027066
Physiology and biochemistry of horticultural crops ..... 027067 – 027302
Physiology and biochemistry of forest trees ..... 027303 – 027345
Field crops—culture ..... 027346 – 027582
Horticultural crops—culture ..... 027583 – 027856
Miscellaneous economic plants—culture ..... 027857 – 027865
Plant fungus diseases and control ..... 027866 – 028122
Plant bacterial diseases and control ..... 028123 – 028156
Plant virus diseases and control ..... 028157 – 028293
Miscellaneous plant diseases, injuries, and control ..... 028294 – 028482
Weeds and herbicides ..... 028483 – 028635
Insect pests and controls—general and miscellaneous plants ..... 028636 – 028695
Insect pests and controls—field crops ..... 028696 – 028808
Insect pests and controls—horticultural crops ..... 028809 – 028917
Insect pests and controls—forest trees, products ..... 028918 – 028966
Insect pests and controls—products ..... 028967 – 028988
Insect pests and controls—animal and man ..... 028989 – 029077
Pesticides—general ..... 029078 – 029190
General entomology ..... 029191 – 029520
Taxonomic entomology ..... 029521 – 029713
Apiculture and sericulture ..... 029714 – 029865
Agricultural engineering ..... 029866 – 029985
Farm equipment ..... 029986 – 030168
Soil science ..... 030169 – 030393
Soil improvement materials ..... 030394 – 030580
Soil resources and management ..... 030581 – 030629
Water resources and management ..... 030630 – 030798
General natural resources and environmental pollution ..... 030799 – 030990

USDA PUBLICATIONS ..... **p. 141**
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS ..... **p. 147**
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS ..... **p. 152**
FAO PUBLICATIONS ..... **p. 155**
TRANSLATED PUBLICATIONS ..... **p. 156**
GEOGRAPHIC INDEX ..... **p. 159**
CORPORATE AUTHOR INDEX ..... **p. 162**
PERSONAL AUTHOR INDEX ..... **p. 164**
SUBJECT INDEX ..... **p. 191**

INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

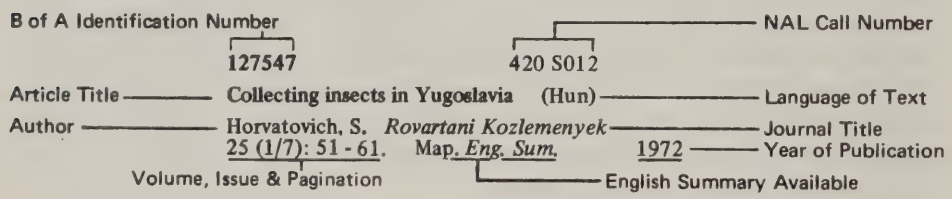
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Fle)	Flemish	(Lit)	Lithuanian
(Alb)	Albanian	(Fre)	French	(Mac)	Macedonian
(Arm)	Armenian	(Geo)	Georgian	(Nor)	Norwegian
(Aze)	Azerbaijani	(Ger)	German	(Pol)	Polish
(Bel)	Belorussian	(Gre)	Greek	(Por)	Portuguese
(Bul)	Bulgarian	(Heb)	Hebrew	(Rum)	Rumanian
(Bur)	Burmese	(Hun)	Hungarian	(Rus)	Russian
(Chi)	Chinese	(Ice)	Icelandic	(Ser)	Serbian
(Cro)	Croatian	(Ind)	Indonesian	(Slo)	Slovak
(Cze)	Czech	(Ita)	Italian	(Slv)	Slovenian
(Dan)	Danish	(Jap)	Japanese	(Spa)	Spanish
(Dut)	Dutch	(Kor)	Korean	(Swe)	Swedish
(Est)	Estonian	(Lat)	Latin	(Tha)	Thai
(Fin)	Finnish	(Lav)	Latvian	(Tur)	Turkish
				(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

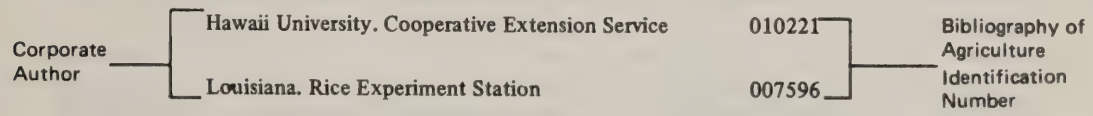
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section, as follows: USDA, State Experiment, and State Extension publications are arranged alphabetically by journal title abbreviation; in addition, the *Bibliography of Agriculture* Identification Numbers have been eliminated. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the subsections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

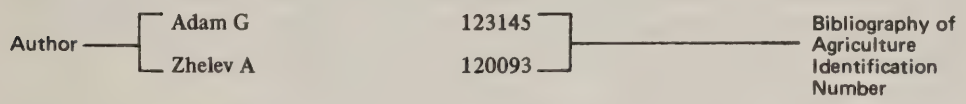
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms,* published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$1.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E Ext Dep Agric Econ N Y State Coll Agric Contract Coll State Univ Cornell Univ
A E Pap Okla State Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric
A E Res N Y State Univ Dep Agric Econ
A P P S Newsl Aust Plant Pathol Soc
Abeille Fr Apicul
Acarologia
Acrida
ACS Symp Ser (Amer Chem Soc)
Acta Agrar Silv, Ser Agrar
Acta Anat
Acta Biol Cracov, Ser Bot
Acta Biol Iugosl, Ser B Mikrobiol
Acta Biol Med Ger
Acta Bot Neerl
Acta Chem Scand Ser B Org Chem Biochem
Acta Endocrinol
Acta Endocrinol Suppl
Acta Hortic
Acta Microbiol Pol, Ser B Microbiol Appl
Acta Microbiol Sinica
Acta Physiol Lat Am
Acta Physiol Scand
Acta Sci Vys Sk Zemed Provozne Ekon Fak Cesk Budejovicich
Acta Soc Bot Pol
Acta Soc Fauna Flora Fenn
Acta Technol Agric
Acta Univ Agric, Fac Agroecon
Acta Vet Scand
Acta Zool Lilloana
Acta Zool (Stockh)
Adv Exp Med Biol
Adv Hydrosci
Adv Ser Agric Sci
Advis Leafl G B Minist Agric Fish Food
Advis Leafl Minist Agric Fish Food (Edinb)
AEN Dep Agric Eng Univ Ky Coop Ext Serv
Afr Rural Employment Pap Mich State Univ Dep Agric Econ
Afrikanerbees J
AGR Ky Univ Dep Agron
Agrartechnik
Agrartort Sz
Agrarwirtschaft
AGRI MECH Econ Comm Eur U N
Agric Biol Chem
Agric Bull Saga Univ
Agric Econ Misc Rep N D State Univ Dep Agric Econ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Eng (St Joseph, Mich)
Agric Handb U S Dep Agric
Agric Hist
Agric Hortic
Agric Inf Bull U S Dep Agric
Agric North Irel
Agric Res
Agric Situation India
Agrichem Age
Agricoltura
Agro Sur
Agroanimalia
Agrochemia (Bratisl)
Agrokem Talajtan
Agron J
Agroplantae
Agroservice
Aktuel Lantbrukshogsk (Upps)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Alimenta
Allg Dtsch Imkerztg
Am Bee J
Am Camel Yearb
Am For
Am Hortic
Am Hortic Mag
Am J Bot
Am J Clin Nutr
Am J Enol Vitic
Am J Physiol
Am J Public Health
Am Midl Nat
Am Mus Novit
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
AMS U S Dep Agric Agric Mark Serv
An Col Of Vet Prov
An Quim Soc Esp Fis Quim
An Soc Rural Argent
Anal Biochem
Anat Histol Embryol
Angew Bot
Angew Makromol Chem
Anim Behav
Anim Blood Groups Biochem Genet
Ann Accad Agric Torino
Ann Agric Fenn
Ann Appl Biol
Ann Biol Anim Biochim Biophys
Ann Bot Fenn
Ann Entomol Soc Am
Ann Falsif Expert Chim
Ann Gembloux
Ann Genet Sel Anim
Ann Histochim
Ann Hydrobiol
Ann Microbiol
Ann N Y Acad Sci
Ann Parasitol Hum Comp
Ann Physiol Veg Univ Brux
Ann Phytopathol Soc Jap
Ann Soc Entomol Fr
Ann Tech Agric
Annot Bibl Commonw Bur Agric Econ
Annot Zool Jap
Annu Rev Ecol Syst
Annu Rev Genet
Antarct J U S
APE, Riv Svizz Apic
APHIS-81 U S Anim Plant Health Insp Serv
Apiacta
Apidologie
Appl Anim Ethology
Aquat Bot
Arb Gebiet Futterbaues
Arboric Fruit
Arch Acker- Pflanzenbau Bodenkd
Arch Environ Health
Arch Exp Veterinarmed
Arch Inst Pasteur Hell
Arch Int Pharacodyn Ther
Arch Ital Anat Embriol
Arch Lebensm Hyg
Arch Microbiol
Arch Phytopathol Pflanzenschutz
Arch Roum Pathol Exp Microbiol
Arch Tierz
Arch Toxikol
Arch Virol
Arch Zool Exp Gen
Arkansas Farm Res
Arq Zool
ARS 62 Agric Res Serv U S Dep Agric Consum Food Econ D Iv
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv
ASCS Background Inf Bl (Agric Stab Conserv Serv)
Atmos Environ
Audiovisual Instruction
Audubon
Aust Bee J
Aust J Agric Econ
Aust J Agric Res
Aust J Chem
Aust J Mar Freshwater Res
Aust J Plant Physiol
Aust Vet J
Av Aliment Mejora Anim
Avian Biol
Avian Dis
Avian Pathol
Bacteriol Rev
Baromfiipar
Bee Craft
Bee World
Beekeeping Devon Beekeep Assoc
Beitr Stat Hessens
Ber Arbeitstag Fragen Gulle
Biatas, The Tillage Farmer
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Big Farm Manage
Bio Systems
Biochem Biophys Res Commun
Biochem Exp Biol
Biochem J
Biochem Physiol Pflanz BPP
Biochemistry (Easton)
Biochemistry (N Y)
Biochim Biophys Acta
Biol Bull
Biol Ecol Med
Biol Reprod
Biol Vestn
Biol Zentralbl
Biologia, Ser C Vesobecna Biol
Biologico
Biometrics
Biopolymers
Biorheology
BIOS
BioScience
Biotechnol Bioeng
Bitki Koruma Bul
Bol Inst Tecnol Aliment
Bol Of Sanit Panam
Bonsai J
Bot J Linn Soc
Bot Jahrb Syst Pflanzengesch Pflanzengeogr
Bot Mar
Bovine Pract
Br J Exp Pathol
Br J Nutr
Br J Pharmacol
Br Poult Sci
Br Vet J
Bras Flores
Brauwelt
Brauwissenschaft
Brew Dig
Brittonia
Broteria, Ser Cienc Nat
Bryologist
Bull A Ariz Univ Coll Agric Ext Serv
Bull Acad Sci USSR, Div Chem Sci
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Azabu Vet Coll
Bull Br Mus Nat Hist Entomol
Bull Br Mycol Soc
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Commonw Sci Ind Res Organ Aust
Bull Conn Agric Exp Stn New Haven
Bull Conn Storrs Agric Exp Stn
Bull Conn Univ Coop Ext Serv
Bull Coop Ext Serv Colo State Univ
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Ecol Soc Am
Bull Environ Contam Toxicol
Bull Fac Agric Kagoshima Univ
Bull Fac Agric Tamagawa Univ
Bull Fac Agric Univ Miyazaki
Bull Fish Res Board Can
Bull Gov For Exp Stn (Tokyo)
Bull INACOL (Inst Natl Amelior Conserves Legumes)
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inst Agric Sci
Bull Iwata Tob Exp Stn
Bull Jap Soc Sci Fish
Bull Kachiku Eisei Shikenjo
Bull Kans Agric Exp Stn
Bull La Agric Exp Stn Dep Agron
Bull Mens Soc Linn Lyon
Bull Mont Agric Exp Stn Mont State Univ
Bull Mt Desert Isl Biol Lab
Bull N D Agric Exp Stn
Bull N J Agric Exp Stn Coll Agric Environ Sci Rutgers Univ State Univ N J
Bull Pa Agric Exp Stn
Bull Pa State Univ Coll Agric Agric Exp Stn
Bull Rech Agron Gembloux
Bull Res Div, Va Polytech Inst State Univ
Bull Seric Exp Stn (Suginami Ku Tokyo)
Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap
Bull Soc Bot Fr
Bull Soc Sci Vet Med Comp Lyon
Bull Taiwan For Res Inst
Bull Tohoku Natl Agric Exp Stn
Bull Trop Agric Res Train Cent (Turrialba)
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Univ R I Agric Exp Stn
Bull Wash (State) Agric Exp Stn
Bull Water Resour Res Cent Va Polytech Inst State Univ
C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno
C R Hebd Seances Acad Sci, Ser D Sci Nat
Cac Suc J G B
Cacau Atual
Cah Ing Agron
Calcif Tissue Res
Calif Agric
Calif Plant Pathol
Calif Vet
Can Entomol
Can Farm Econ
Can Geogr J
Can J Agric Econ
Can J Biochem
Can J Bot
Can J Chem
Can J Genet Cytol
Can J Microbiol
Can J Plant Sci
Can J Soil Sci
Can Plant Dis Surv
Castanea
CCP F A O
Cell Mass Inst Technol
Cell Tissue Res
Cereal Foods World
Cereal Rusts Bull
Ceres
Ceylon Vet J
Chem Ber
Chem Commun
Chem Erde
Chem Nat Compd
Chem Pharm Bull
Chem Senses Flavor
Chih-wu Hsueh-pao
Chromosoma
Chron Przyr Ojczysta
Cienc Cult Soc Bras Para Progr Cienc
Cienc Invest
Circ Agric Exp Stn Auburn Univ
Circ Agric Ext Serv Univ Arkansas Div Agric
Circ N C Agric Ext Serv
Circ N C State Univ Agric Ext Serv
Circ Wash Agric Exp Stn
Citrus Ind
Citrus Veg Mag
Clin Exp Immunol
Clin Exp Pharm Physiol
Collect Czech Chem Commun
Commun Soil Sci Plant Anal
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol C, Comp Pharmacol
Comun Ser Prod Veg Inst Nac Invest Agrar
Conf Food Agric Organ U N
Conn Greenhouse Newsl
Cooking for Profit
Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div
Cornell Hotel Restaurant Admin Quarterly
Cotton Dev
Cow Moos
Cranberries

CRC Crit Rev Toxicol (Chem Rubber Co)
Ctry Life
Cuad Bot Canaria
Curr Inf Ser Idaho Univ Coop Ext Serv
Curr Sci
Cytobios
Cytogenet Cell Genet
Cytol Genet
Dairy Farmer
Dairy Farmer Dairy Beef Prod
Dairy Herd Manage
Dairy Ice Cream Field
Dairy Notes Calif Univ Agric Ext Serv
Dairyfarming Annu
Dairyman (Armadale)
Delt Ellin Ktiniatr Etair
Denpun Kagaku (J Jap Soc Starch Sci)
Dev Biol
Dev Ind Microbiol
Dev Psychobiol
Dig Int J Gastroenterol
DLZ (Die Landtech Z)
Dokl Akad Nauk Tadzh SSR
Dokl Biophys
Dokl Bot Sci
Driemaand Publ Belg Inst Ver Dtsch Lebensm Rundsch
Dtsch Milchwirtsch
Dtsch Muller Ztg
Dtsch Pelztierz
E S M Ohio State Univ Dep Agric Econ Rural Sociol
Eau Amenagement Reg Provencale
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Food Nutr
Ecol Res Ser
Ecologist
Ecology (Durham)
Econ Agric
Econ Plann
Elelmez Ipar
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
ENT Univ Ky Coll Agric Coop Ext Serv
Entomol Arb Mus G Frey Tutzing Munch
Entomol Exp Appl
Entomol Ger
Entomol Newsl
Entomol Z
Environ Conserv
Environ Entomol
Environ Health Eff Res Ser EPA
Environ Monit Ser EPA U S Environ Prot Agency
Environ Pollut
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Prot Technol Ser EPA-R2
Environ Qual Saf
Environ Res
Equine Vet J
Erdeszeti Kut
Erdo
ERFA (Erdogazdasag Faipar)
ERS Foreign U S Dep Agric Econ Res Serv
ERS U S Dep Agric Econ Res Serv
Essenze Deriv Agrum
Eur J Biochem
Eur J For Pathol
Europ J Immunol
Exp Cell Res
Exp Mol Pathol
Experientia
Explot Agrar
Ext Bull Agric Ext Serv Univ Minn
Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Ext Bull E Coop Ext Serv Mich State Univ
Ext Bull Md Univ Coop Ext Serv
Ext Circ Ext Serv Oreg State Univ
Ext Fol Agric Ext Serv Univ Minn
Ext Serv Rev U S Dep Agric
Faipar
Fam Econ Rev
FAO Agric Stud
Farm Fact
Farm Food Res
Farm J (Calcutta)
Farmer (Jam Agric Soc)
Farmer Parliament
Farmers Bull U S Dep Agric
FAS-M U S Foreign Agric Serv
FATUS (Foreign Agric Trade U S)
Fauna Flora
Fauna Flora (Pretoria)
Fauna, Nor Zool Foren Tidsskr
FCS Inf U S Dep Agric Farmer Coop Serv
Fed Proc Fed Am Soc Exp Biol
Feddes Repert
Feedstuffs
Feld Wald Wasser Schweiz Jagdztg
Fennia
Fert News
Fette Seifen Anstrichm
Fiber Sci Ser
Fieldiana Bot
Fiziol Rast (Mosk)
Fjaderfa
Fla Entomol
Flora N S W
Flora Trop East Afr
Flora West Pak
Florists Rev
Foldr N C Agric Ext Serv
Foldrajzi Ert
Folia Biol (Praha)
Folia For
Food Cosmet Toxicol
Food Eng
Food Management
Food Manuf
Food Nutr
Food Nutr Notes Rev
Food Nutr Notes Rev Aust Inst Anat
Food Prod Dev
Food Serv Mark
Food Technol
Food Technol N Z
For Agric Circ Coffee FCOF (U S Dep Agric)
Forderungsdienst
Forecast Home Econ
Foreign Agric Circ, Dairy FD (U S Dep Agric)
Foreign Agric Circ FTEA U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr
Forsch Sitzungsber Akad Raumforsch Landespl
Forsk Prakt
Forst Holzwirt
Forstwiss Centralbl
Fragm Entomol
Fresenius Z Anal Chem
Fruit Belg
Fruit Veg Facts Pointers
Fruits & Abeilles
FS (Am Wood) U S For Serv
G Trop Prod Inst (Lond)
Ga Agric Res
Ga Vet
Gabonaipar
Gac Vet
Gart Kleintierzucht, C Imker
Gazdalkodas
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet Slechteni
Geoderma
Geogr Rev
Geol Soc Am Bull
Geoponika
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Getreide Mehl Brot
Gidroliz Lesokhim Prom-st'
Givaudan Flavor
Gordian
Grapevine Calif Univ Berkeley Agric Ext Serv
Great Plains Agric Counc Publ
Grune
Hassadeh
Health Phys
Heredity
Histochemie
Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv
Hodowla Rosl Aklim Inasiennic
Hog Farm Manage
Holly Lett
Holz Roh Werkst
Holzforschung
Holztechnologie
Home Econ Res J
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Hydrobiologia
Hydrotech Constr
I C A Informa (Inst Colomb Agropecu)
I I R B (Inst Int Rech Better)
ICAR Tech Bull Indian Counc Agric Res
Imkerfreund
Immunology
In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.
In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo
In Flavonoids
In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.
In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.
In Physiological Ecology of Estuarine Organisms
In Proc Intersect Congr Int Assoc Microbiol Soc
In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel
In Rural Industrialization Problems and Potentials
In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.
In Single Cell Protein Proceedings of the International Symposium
In Specialty Conference on Control Technology for Agricultural Air Pollutants
In Views of Science, Technology and Development. E. Rabinowitch & V. Rabinowitch, eds.
In Vitro J Tissue Cult Assoc
Ind Aliment
Ind Aliment Anim
Ind Leche
Indian Dairym
Indian For
Indian J Agric Res
Indian J Anim Health
Indian J Biochem
Indian J Ext Educ
Indian J Hortic
Indian J Nutr Diet
Indian J Pharm
Indian J Physiol Pharmacol
Indian J Power River Val Dev
Indian Poult Rev
Indian Pulp Pap
Indian Silk
Indian Vet J
Indus
Inf Bot Ital
Inf Card Clemson Univ Ext Serv
Inf Internes Agric
Inf Ser Agric Econ Univ Calif Agric Ext Serv Agric Exp Stn Giannini Found Agric Econ
Inf Tec Argent Repub Estac Exp Agropecu Pergamino
Infect Immun
Insect Pest Surv Tasmania Dep Agric
Insecta Matsumurana
Insects Soc
Instit Distrib
Instit/vol Feeding
Int Biodeterior Bull
Int J Appl Radiat Isot
Int J Biochem
Int J Ecol Environ Sci
Int J Fertil
Int J Insect Morphol Embryol
Int J Radiat Biol Relat Stud Phys Chem Med
Int Labor Rev
Inten Agric
Invest Inf Text Tens
IPIRI J (Indian Plywood Indus Res Inst)
Ir Beekeep (An Beachaire)
Ir Vet J
Isr J Technol
Ital For Mont
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
Izv Akad Nauk Turkm SSR, Ser Fiz Tekh Khim Geol Nauk
Izv Vyssh Uchebn Zaved Lesn Zh
Izv Vyssh Uchebn Zaved, Teknol Tekst Prom-st
J Agric Food Chem
J Agric Sci (Camb)
J Agric Soc Trinidad Tobago
J Air Pollut Control Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Vet Med Assoc
J Anim Sci
J Apic Res
J Appl Physiol
J Appl Polym Sci
J Assoc Off Anal Chem
J Aust Entomol Soc
J Bacteriol
J Biol Chem
J Cell Biol
J Cell Sci
J Chem Soc, Perkin Trans I
J Chem Soc, Perkin Trans II
J Chromatogr
J Clin Microbiol
J Coffee Res
J Comp Physiol
J Dairy Sci
J Econ Entomol
J Econ Hist
J Electronmicrosc (Tokyo)
J Endocrinol
J Evol Biochem Physiol
J Exp Mar Biol Ecol
J Fac Vet Med
J Ferment Technol
J Fish Biol
J Flour Anim Feed Milling
J Food Distrib Res
J Food Sci
J Food Technol
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Histochem Cytochem
J Hokkaido For Prod Res Inst
J Hortic Sci
J Hydrol
J Hyg
J Immunogenet
J Indian Soc Soil Sci
J Insect Physiol
J Invertebr Pathol
J Jap Bot
J Jap For Soc
J Jap Soc Air Pol
J Mammal
J Microsc
J Microsc Biol Cell
J Milk Food Tech
J Mol Biol
J Nat Hist
J Nutr
J Org Chem
J Parasitol
J Pharm Soc Jap
J Physiol
J Physiol (Paris)
J Polym Sci, Part B Polym Lettr
J Proc R Soc N S W
J Protozool
J R Hortic Soc
J R Soc West Aust
J Reprod Fertil
J S Afr Vet Assoc
J Sci Food Agric
J Small Anim Pract
J Steroid Biochem
J Submicrosc Cytol
J Takeda Res Lab
J Timber Dev Assoc India
J Water Pollut Control Fed
J Wildl Manage
Jap J Anim Reprod
Jap J Ecol
Jap J Parasitol
Jap J Vet Sci
Jap J Zootech Sci
Jap Pestic Inf
Justus Liebigs Ann Chem
Kakteen Sukkulenten
Kartofel Ovoschi
Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo
Kern Crop Inf Univ Calif Agric Ext Serv
Keszth Agrartud Fosk Kozl
Kew Bull
Khlopkovodsto
Kleintier Prax
Klucze Oznacz Owadow Pol
Kraftfutter
L Coop Ext Serv Kans State Univ
L Tex A M Univ Tex Agric Exp Stn
Lab Anim
Lait
Lambillionea
Land Econ
Land Reform Land Settlement Coop
Landbauforsch Volkenrode
Landmasch Rundsch
Landschaft & Stadt
Landtechnik
Lantbrukshogsk Medd, Ser A
Lav Arroz
Leafl U S Dep Agric
League Int Food Educ
L'elevage
Lesn Khoz
Lesn Prom St'
Letzeburger Beien Ztg
Life Sci
Lipids
Livest Prod Sci
Log Handb
Lohnunterne Land Forstwirtsch
LSU For Notes
M Agric Ext Serv Univ Minn
Macaroni J
Mach Agric Trop
Makromol Chem
Mar Biol
Marcellia
Mark Res Rep U S Dep Agric
Md Poultryman
Mech Roln
Medd Jordbruktek Inst
Meded Inst Cultuurtech Waterhuishoud
Meded Overdrukken Landbouw Econ Inst
Melanderia
Mem Bot Surv S Afr
Mem Mus Nat Hist Nat, Nouv Ser, Ser B Bot (Paris)
Memo Niger Dep Agric Res
Memo Nor Landbrukshogsk Inst Driftslaere Landbruksokom
Merkbl Biol Bundesanst Land Forstwirtsch
Metab Clin Exp
Metod Zavad Vysled Vyzk Praxe
Mex Agric
Mezhdunar S-kh Zh
Mezogazd Adatok Kozponti Statisztikai Hivatal
Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez
Mezogazd Tech
Mezogazd Vilagirodalom
Mich Farm Econ
Microb Ecol
Microbios
Microchem J
Microsc Acta
Mikol Fitopatol
Mikrochim Acta
Mikrokosmos
Milch Prax Rindermast
Milchwirtsch Ber Bundesanst Wolfpassing Rotholz
Milchwissenschaft
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn Agric Econ
Misc Publ U S Dep Agric
Misc Rep Minn Agric Exp Stn
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt DLG (Dtsch Landwirtsch Ges), Ausg A
Mitt Entomol Ges Basel
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Obstbauversuchsring Jork
Mitt Schweiz Landwirtsch
Mod Vet Pract
Mol Cell Biochem
Mol Gen Genet (MGG)
Molk-Ztg Welt Milch
Monatsh Veterinarmed
Mondo Latte
Monit Zool Ital
Monit Zool Ital, Suppl
Monogr Biol Canarienses
Monogr Bot
Moscow Univ Biol Sci Bull
Mosq News
Mosq Sys
MP Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Muelleria
Muhle Mischfuttertech
Mutat Res
Mykosen (Berlin)
N Z J Exp Agric
N Z J For
N Z J For Sci
N Z J Sci
N Z Soil Bur Sci Rep
Nachr Akad Wiss Gottingen
Nachr Naturwiss Mus Stadt Aschaffenburg
Nahrung
Nat Can
Natl Food Situation
Natl Inst Anim Health Q (Tokyo)
Natl Pest Control Oper News
Natl Wool Grow
Nature

Naturwiss Rundsch
Naunyn Schmiedbergs Arch Pharmakol
Nematologica
Nematropica
Neue Bienenzucht
Neue Brehm Bucherei
Neuroendocrinology
New Sci (London)
News Farmer Coop
Nippon Sochi Gakkai Shi
Nor Hagetid
Nor Skogind
North Log Timber Process
Not Agric
Nota INF Mex Dir Gen Inventario Nac For
Nova Hedwigia Beih
Nucleic Acids Res
Nutr Metab
Nutr News
Nutr Program News
Nutr Rep Int
Nutr Rev
Nutrition
Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Oecologia
Oleagineux
Ontogenez
Options Mediterr
Osterreich Bot Z
Oxf Bull Econ Stat
PA U S Dep Agric
Pan Pac Entomol
Pap Puu
Parasitology
Pathol Biol
PB Natl Tech Inf Serv Commer
Pecan Q
Pecan South
Pedobiologia
Personnel J
Pestic Monit J
Pestic Sci
Pflanzenarzt
Pflugers Arch
Pharmacology
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Potas
Photochem Photobiol
Photogramm Eng Remote Sensing
Photogrammetria
Physiol Veg
Phytochemistry
Phytopathol News
Phytopathol Z
Phytopathology
Pig Farming
Plant Dis Rep
Plant Health Newsl Eur Mediterr Plant Protect Organ Publ Serb
Plant Med Phytother
Plant Physiol
Plant Sci Lett
Plant Syst Evol
Planta
Plants Gard
PM Coop Ext Serv Iowa State Univ
Pochvovedenie
Pollen Spores
Pollut Atmos
Pootardap Handel
Pork Ind Gaz
Postepy Drobiarst
Poult Egg Situation
Poult Guide
Poult Ind
Poult Pointers
Proc Annu Conv Natl Assoc Anim Breeders
Proc Annu Meet Utah Mosq Abate Assoc
Proc Annu State Conf Agric Bur NSW
Proc Conf Great Lakes Res
Proc Cornell Nutr Conf Feed Manuf
Proc Entomol Soc Wash
Proc Helminthol Soc Wash
Proc Indian Acad Sci, Sec B
Proc Indian Natl Sci Acad, Part B Biol Sci
Proc N Z Soc Anim Prod
Proc N Z Weed Pest Control Conf
Proc Natl Acad Sci U S A
Proc Natl Conf Agric Biol Sci
Proc Nutr Conf Feed Manuf
Proc R Soc Lond, B Biol Sci
Proc West Sect Am Soc Anim Sci
Prod Agric Fr
Prod Res Rep Agric Res Serv U S Dep Agric
Prof Nutritionist
Prof Pap U S Geol Surv
Prog Agric Ariz
Prog Agric Vitic
Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ
Prostaglandins (Los Altos)
Protistologica
Protoplasma
Pub (Manit Dep Agric)
Publ Agric Can
Publ Bot Mus Natl Sci Nat Mus Natl Can
Publ Can Dep Agric
Publ Can For Serv
Publ Entomol Univ Calif
Publ Fac Agric Sci (Beirut)
Publ Great Plains Agric Counc
Publ Landbouw Econ Inst Afd Tuinbouw
Publ Misc Interam Inst Agric Sci
Publ Ont Minist Agric & Food
Publ Proefstn Groenten Fruitteelt Onder Glas
Publ Secr Paysans Suisses
Publ Technion Israel Inst Technol Agric Eng Fac
Publ 3 Landbouw-Econ Inst Afd Bedr Onderz Landbouw
Pulse
Pure Appl Chem
Q J Agric Econ
Q J Fla Acad Sci
Queensl Agric J
Query File Commonw Bur Hortic Plant Crops
Quick Frozen Foods
R Nev Agric Exp Stn
Radiat Environ Biophys
Rapp IB (Inst Bodemvruchbaar Haren Gr)
Rapp Jordbearbetningsavd Lantbrukshogsk
Rapp Proefstn Rundveehouderij
Rass Chim
Recent Prog Horm Res
Recl Med Vet
Regul Bull Ky Agric Exp Stn
Reordenamento
Rep Ga For Res Counc
Rep Gov Chem Ind Res Inst Tokyo
Rep Ser Arkansas Agric Exp Stn
Res Bull Ga Exp Stn
Res Bull Hawaii Agric Exp Stn Univ Hawaii
Res Bull Hokkaido Natl Agric Exp Stn
Res Bull Nebr Agric Exp Stn
Res Bull Ohio Agric Res Dev Cent
Res Bull Purdue Univ Agric Exp Stn
Res Bull Univ Mo Columb Coll Agric Agric Exp Stn
Res Circ Ohio Agric Res Dev Cent
Res Pap For Dep West Aust
Res Rep Conn Storrs Agric Exp Stn
Res Rep Hawaii Agric Exp Stn
Res Rep (Livest) Off Rural Dev (Suwon)
Res Rep Mich State Univ Agric Exp Stn
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep N M Agric Exp Stn
Res Rep Off Rural Dev
Res Rep Off Rural Dev (Suwon)
Res Rep P Okla Agric Stn
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn
Res Rep Utah Agric Exp Stn
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Restaurant Bus
Rev Agric (Brux)
Rev Asoc Argent Criad Cerdos
Rev Bras Biol
Rev Bras Econ
Rev Cafetalera
Rev Ceres
Rev Criad
Rev Cytol Biol Veg
Rev ESSO Agric
Rev Ferment Ind Aliment
Rev Fr Apic
Rev Gen Bot
Rev Invest Salud Publica
Rev Lait Fr
Rev Mark Agric Econ N S W Dep Agric Div Mark Agric Econ
Rev Med Vet (Toulouse)
Rev Merc
Rev Nac Agric
Rev Nutr Anim
Rev Padur
Rev Roum Biochim
Rev Ser Commonw Bur Anim Health Commonw Agric Bur
Rev Suisse Agric
Rev Suisse Vitic Arboric Hortic
Rev Suisse Zool
Rev Tussock Grassl Mt Lands Inst
Rev Vet Can
Rheinische Bienenztg
Rhod Agric J
Rhodora
Rilancio Agric Vet Zootec
Riv Ing Agrar
Riv Ital Sost Grasse
Riv Zootec Vet
Rocz Nauk Roln, Ser C Tech Roln
RTVA
S Afr J Dairy Technol
S Afr J Sci
S Afr Sugar J
Sakh Prom-st'
Sante Abeille
Sarsia Univ Bergen
Sb Nauchn Tr Eest Pollumajanduse Akad
Sch Foodserv J
Schweiz Arch Tierheilkd
Schweiz Landtech Dtsch Ausg
Schweiz Z Obst Weinbau
Sci Agric
Sci Agric Bohemoslov
Sci Rep Fac Agric Okayama Univ
Science
Search Agric
Search, Sci Technol Soc
Seed Sci Technol
Seker
Sel Semenovod (Mosk)
Senckenb Biol
Ser Bibliogr Argent Repub Estac Exp Reg Agropecu Anquil
Ser Tec IIAA (Inst Invest Agron Angola)
Simiente
Smithson Contrib Bot
Smithson Contrib Zool
SNA Nursery Res J (South Nurserymen's Assoc)
Socioecon Environ Stud Ser EPA- US Environ Prot Agency Off Res Dev
Sociol Ruralis
Soil Sci
Soil Sci Plant Nutr
Soils Found
Sol Energy
South Coop Ser Bull
South Pac Bull
Southwest Nat
Southwest Vet
Sov Genet
Soybean Dig
Spec Publ Coll Agric Univ Ill Urbana Champaign
Spec Rep Agric Exp Stn Agric Fayetteville Arkansad
Spec Rep Mo Agric Exp Stn
Spec Rep Oreg Agric Expn Stn
SSSA Spec Publ (Soil Sci Soc Am)
Stat Rep World Agric Prod Trade
Stensiltr Inst Bygningstek Nor Landbrukshogsk
Steroids
Stn Bull Agric Exp Stn Univ Minn
Stn Bull Oreg Agric Exp Stn
Stud For Suec
Stud Inf, Lesn
Stud Inf, Vseob Otazky Zemed
Stud Inf, Zemed Tech
Studi Sassari, Sez III
Subtrop Kul't
Sugarcane Breed Newsl
Sulphur
Sunshine State Agric Res Rep
Sven Bot Tidskr
Sven Papperstidn
Sver Skogvardsforb Tidskr
Tabak
TAG (Theor Appl Genet)
Tappi (Tech Assoc Pulp Paper Ind)
Taxon
Tec Molit
Tech Bull Agric Exp Stn Univ Ariz
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Tech Bull Dep Nat Resour (Madison)
Tech Bull Hawaii Agric Exp Stn Univ Hawaii
Tech Bull N C Agric Exp Stn
Tech Lait
Tech Q Mast Brew Assoc Am
Tech Rep Weed Res Organ
Tek Bul Bornova Zirai Mucadele Enst
Tek Bul Ser Ormancil Arastirma Enst Yayin
Termeszettud Kozl
Tetrahedron
Tetrahedron Lett
Tex Vet Med J
Text Chem Color
Theriogenology
Tierarztl Umsch
Tierzucht
Tierzuchter
Tijdschr Diergeneeskd
Tijdschr Entomol
Tohoku J Agric Res
Topola
Toxicol Appl Pharmacol
Toxicology
Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz
Trans Am Entomol Soc
Trans ASAE Gen Ed (Am Soc Agric Eng)
Trans Int Congr Soil Sci
Trans Tottori Soc Agric Sci
Trop Anim Health Prod
Tutkimusselostus Valt Maatalouskoneiden Tutkimuslaitos
Type A Topics
U S Agric Res Serv West Reg ARS W
U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn
U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn
U S D A For Serv Res Note FPL (U S Dep Agric For Prod Lab)
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)
U S Dep Agric Econ Res Serv WMC
Ukr Khim Zh
Umschau
Uroda
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)
USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric
USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg
USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap NE (U S Northeast For Exp Stn)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Pap SE U S Southeast For Exp Stn
USGA Green Sect Rec
Utah Sci
Var Foda
Verh Zool Bot Ges Wien
Veroff Land- Hauswirtsch Auswertungs- Informationsdienst
Vestn Cesk Akad Zemed
Vestn Moskovsk Univ, Biol Pochvoved
Vestn Moskovsk Univ, Geogr
Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk
Vet Bull
Vet Econ
Vet Ital
Vet Pathol
Vet Rec
Vet Scope
Veterinaria
Veterinarstvi
Vie Milieu Ser A: Biol Mar
Vierteljahrsschr Naturforsch Ges Zurich
Vigneron Champenois
Vinodel Vinograd SSSR
Virology
Visn Sil's'kohospod Nauki
Vitamin
Vitaminy
VM SAC (Vet Med Small Anim Clin)
Voeding
VP X Environ Can For Serv
Water Pollut Control
Water Resour
Water Resour Bull
Water Resour Res
Weed Res
Weed Sci
What's New Home Econ
Whats New Plant Physiol
Wien Tierarztl Monatsschr
Wilhelm Roux Arch Entwicklungsmech Org
Wool Econ Res Rep Bur Agric Econ (Canberra)
World Anim Rev
World Crops
Worlds Poult Sci J
Wrightia
Z Acker Pflanzenbau
Z Agrargesch Agrarsoziol
Z Angew Entomol
Z Angew Zool
Z Lebensm Unters Forsch
Z Med Mikrobiol Immunol
Z Parasitenkd
Z Pflanzenkr Pflanzenschutz
Z Pflanzenphysiol
Z Tierphysiol Tierernahr Futtermittelkd
Z Tierpsychol
Z Zuckerind
Zashch Rast
Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe B Hyg Prav Med
Zentralbl Bakteriol Parasitenkd Infektionskrankheiten Hyg II Naturwiss Abt
Zentralbl Veterinarmed, Reihe A
Zentralbl Veterinarmed, Reihe B
Zernovoe Khoz
Zh Obshch Biol
Zhivotnovodstvo
Zool Jahrb, Abt Allg Zool Physiol Tiere
Zool Jahrb, Abt Syst Okol Geogr Tiere
Zool Mag (Tokyo)
Zuchthygiene (Berl)
Zuchtungskunde
Zucker
4-H Club Circ Agric Ext Serv Univ Wyo

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

021068 19 AG85
Agrarian problems at the time of the Russian revolution of 1905-1907. (Hun) Menyhart, L *Agrartort Sz* 17 (3/4): 399-424. Ref. 1975

021069 19 AG85
Agricultural education in England before 1914. (Hun) Fussell, G E *Agrartort Sz* 17 (3/4): 425-449. 1975

021070 19 AG85
Serf-peasant commodity production in the first half of the 19th century. (Hun) Erdei, A *Agrartort Sz* 17 (3/4): 463-476. Maps. Ref. 1975

021071 19 AG85
Some problems of the agrarian system in crown lands of Castile in the 18th century. (Hun) Mickun, N *Agrartort Sz* 17 (3/4): 292-352. Ref. 1975

021072 281.8 AG826
Inclusion of the information system for farms into the concepts of the system theory. (Ger) Riebe, K *Agrarwirtschaft* 24 (5): 134-136. May 1975

021073 A281.9 AG8A
Economics of rural ambulance service in the Great Plains [Health]. Doeksen, G A; Frye, J; Green, B L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 308, 22 P. Map. Nov 1975

021074 A281.9 AG8A
Farm population estimates for 1974. Banks, V J; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 319, 5 P. Dec 1975

021075 30.98 AG8
Poverty and peasants in the Rioja 1883-1910. De Garmo, P H *Agric Hist* 49 (4): 662-672. Ref. Oct 1975

021076 30.98 AG8
Radicals on the farm in California. Daniel, C E *Agric Hist* 49 (4): 629-646. Ref. Oct 1975

021077 22.5 N682
Situation on agricultural extension service. 1. (Jpn) Yamagiwa, E *Agric Hortic* 50 (6): 727-732. June 1975

021078 16 AG8226
China: 8 out of 10 live in the countryside [Agriculture]. (Ita) Vesi, B *Agricoltura* 23 (6): 78-84. June 1974

021079 S15.A395
Concept of social action in the country [Rural sociology]. (Spa) Lorca de M, L A *Agro Sur* 3 (1): 1-6. Eng. Sum. 1975

021080 Z5074.E3C6
Agriculture in hill and mountain areas [Bibliography]. *Annot Bibl Commonw Bur Agric Econ* 34, 37 P. 1975

021081 QH540.A55
Late quaternary climatic change in Africa. Livingstone, D A *Annu Rev Ecol Syst* 6: 249-280. Maps. Ref. 1975

021082 500 AM322A
Literature searching with the CAIN [Cataloging and Indexing] on-line bibliographic data base [Agricultural literature]. Roe, K E; Micuda, V; Seeds, R S *BioScience* 25 (12): 796-797. Dec 1975

021083 390.8 B732
Treatment of brewery effluent. (Ger) Heyden, W; Kanow, P *Brauwelt* 115 (42): 1398-1402. Oct 16, 1975

021084 100 C76S
1980 projections of populations by age and town for Connecticut. Steahr, T E; Connecticut Storrs Agricultural Experiment Station *Bull Conn Storrs Agric Exp Stn* 440, 34 P. Ref. Dec 1975

021085 275.29 C76B
Program ideas [4-H]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-161, 6 P. 1975

021086 68.38 C114
Economic development: result of private science and technology [Agriculture]. (Por) Valla, V V *Cacau Atual* 12 (1, Suppl.), 10 P. Ref. Jan/Mar 1975

021087 100 C12CAG
What is an agricultural scientist? Kendrick, J B Jr; California Agricultural Experiment Station *Calif Agric* 29 (11): 2. Nov 1975

021088 450 C432
Break off from the old traditional [agriculture] and become modern farmer. (Chi) Yang, H M *Chih-wu Hsueh-pao* 17 (3): 176-179. Sept 1975

021089 450 C432
Effect of the struggle between the Confucians and legalistson historical development of agricultural sciences and technology in China. (Chi) *Chih-wu Hsueh-pao* 17 (3): 169-175. Sept 1975

021090 QL461.E532
Environmental data acquistion [Agricultural ecosystems]. Barrett, J R Jr; Huggins, L F; Stirm, W L *Environ Entomol* 4 (6): 855-860. Dec 1975

021091 1 EX892EX
Caring for others in Pennsylvania [Rural health]. Gotwalt, N H; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 22. Sept/Oct 1975

021092 1 EX892EX
Caring for others in Montana [Rural health]. Beasley, W; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4 I.e. 5): 23. Sept/Oct 1975

021093 1 EX892EX
City farmers [4-H clubs]. Morrison, J R; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 13-15. Jan/Feb 1976

021094 1 EX892EX
Learning the extension way. Lutzke, J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 18-19. Jan/Feb 1976

021095 1 EX892EX
Needs of youth [4-H clubs]. Benedetti, S K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 12. Jan/Feb 1976

021096 1 EX892EX
Top talent for teen leaders [4-H clubs]. Rogers, H; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 20-21. Jan/Feb 1976

021097 1 EX892EX
4-H'ers outride Paul Revere—by 484 miles! [United States history]. Benedetti, S K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 3-5. Sept/Oct 1975

021098 22 F223
A study of socioeconomic and personal traits of farmer patrons of a dairy project. Sinha, M N; Sinha, P R R; Pal, R N *Farm J (Calcutta)* 16 (7): 9-15. May 1975

021099 A280.29 F221
Riceland Foods: innovative cooperative in the internationalmarket [Soybeans]. Morrissy, J D; U.S. Farmer Cooperative Service *FCS Inf U S Dep Agric Farmer Coop Serv* 101, 128 P. 1975

021100 A281.9 F76FO
World weather watch. Cremins, W J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 16. Jan 5, 1976

021101 HC125.B452
African peasants and resistance to change: a reconsideration of sociological approaches. Hutton, C; Cohen, R *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 105-130. Ref. 1975

021102 HC125.B452
Rural social differentiation and political goals in Tanzania. Feldman, R *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 154-182. Ref. 1975

021103 Q172.5.I5V5
Knowledge, agriculture and welfare. Schultz, T W *In Views of Science, Technology and Development. E. Rabinowitch & V. Rabinowitch, eds.* P. 253-260. 1975

021104 S544.5.I5I52
Application of Lynton-Pareek model in farmers' training. Sethu Rao, M K *Indian J Ext Educ* 11 (1/2): 76-80. Jan/June 1975

021105 S544.5.I5I52
Communication pattern of farmers: a systemic analysis. Singh, K N; Ambastha, C K *Indian J Ext Educ* 11 (1/2): 25-31. Jan/June 1975

021106 S544.5.I5I52
Contact of extension officers with different sources of agricultural information in West Bengal. Ray, G L *Indian J Ext Educ* 11 (1/2): 65-66. Jan/June 1975

021107 S544.5.I5I52
Content analysis of farm telecast and viewer's information need. Singh, N P; Prasad, C *Indian J Ext Educ* 11 (1/2): 13-18. Jan/-June 1975

021108 S544.5.I5I52
Effectiveness of "Unnat Krishi" farm magazine as related to different categories of readers. Khandekar, P R; Mathur, P N *Indian J Ext Educ* 11 (1/2): 49-53. Jan/June 1975

021109 S544.5.I5I52
Impact of national demonstration on adoption of agricultural practices. Behera, C; Sahoo, M S *Indian J Ext Educ* 11 (1/2): 32-35. Jan/June 1975

021110 S544.5.I5I52
Impact of national demonstration on knowledge and adoption level of farmers participants. Supe, S V; Salode, M S *Indian J Ext Educ* 11 (1/2): 36-39. Ref. Jan/June 1975

021111 S544.5.I5I52
Information gain in Kisan Mela [Farmers' fair]. Das, N C; Sinha, H S P; Ranjan, R *Indian J Ext Educ* 11 (1/2): 19-24. Jan/June 1975

021112 S544.5.I5I52
Perception of and preference for the extension job by the agricultural university personnel. Dube, V K; Prasad, C *Indian J Ext Educ* 11 (1/2): 57-58. Jan/June 1975

021113 S544.5.I5I52
Students' opinion on merits and demerits of the new system of education introduced in agricultural universities. Jalihal, K A; Byra Reddy, H N; Ramaiah, P V *Indian J Ext Educ* 11 (1/2): 8-12. Ref. Jan/June 1975

021114 283.8 IN8
Handicrafts: a source of employment for women in developing rural economies. Dhamija, J *Int Labor Rev* 112 (6): 459-465. Dec 1975

021115 283.8 IN8
Temporary labour migration between Tonga and New Zealand. Bres, J de; Campbell, R J *Int Labor Rev* 112 (6): 445-457. Ref. Dec 1975

021116 277.8 J822
Authority, efficiency, and agricultural organization in medieval England and beyond: a hypothesis. Fenoaltea, S *J Econ Hist* 35 (4): 693-718. Ref. Dec 1975

021117 19 K48
Main features of the social and economic changes and the social regroupement of the agrarian population in some Transdanubian cooperative villages. (Hun) Holacs, Mrs I *Keszth Agrartud Fosk Kozl* 17 (1), 109 P. Ref. Eng. Sum. 1975

021118 72.8 K522
About labor conditions of temporary workers and employees [in agriculture]. (Rus) Lavrinenko, Z F *Khlopkovodsto* 8: 41. Aug 1975

021119 72.8 K522
Plant industry in the United Arab Republic. (Rus) Nesterov, IA S; Udachin, R A; Simonov, A A *Khlopkovodsto* 8: 44-45. Aug 1975

021120 8 M5762
Agricultural education. (Spa) Angel Ceniceros, J *Mex Agric* 21 (252): 48-49. Feb 1975

021121 8 M5762
Aim of educational policy in Mexico, especially in agricultural instruction. (Spa) Bravo Ahuja, V *Mex Agric* 21 (252): 21-23. Feb 1975

021122 8 M5762
Rural development through extensive network of roads. (Spa) *Mex Agric* 22 (256/257): 28-29. June/July 1975

021123 166.2 N47
Targets taking shape for education, research [Cooperatives]. Hallberg, O K; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 20-22. Oct 1975

021124 S19.O68
For a synthetic approach of socio-economic and ecological problems of arid and semi-arid zones. (Fre) Le Moal, Y; Guerin, G *Options Mediterr* 5 (28): 29-33. 1975

021125 S19.O68
The technological appropriation process [Rural areas]. (Fre) Collombon, J M *Options Mediterr* 5 (27): 104-116. Maps. 1975

021126 S19.O68
Tuareg people and development [Rural sociology]. (Fre) Vallet, M *Options Mediterr* 5 (28): 43-55. Map. 1975

021127 23 AG82S
50 years of state conferences [Agriculture]. Butler, F C *Proc Annu State Conf Agric Bur NSW* 50th: A1-A6. 1974

021128 S293.C6N31
Proceedings of the National Conference on Agricultural and Biological Sciences, thirteenth session, Kasetsart University, Bangkok, Thailand, February 4-6, 1974. (Tha) National Conference on Agricultural and Biological Science; S, 13th, Bangkok, 1974 *Proc Natl Conf Agric Biol Sci* 13, 706 P. 1974

021129 100 N81P
Trends in infant mortality, North Carolina: 1940 to 1970 [Rural health]. Brannon, Y S; Clifford, W B; North Carolina Agricultural Experiment Station *Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ* 62, 33 P. Map. 1975

021130 22.5 AM322
Selected socio-economic characteristics of Kohistan and Panjsher districts, Kapisa province, Afghanistan [Rural areas]. Greene, B A; Fazl, F K *Publ Fac Agric Sci (Beirut)* 55, 74 P. Map. Ref. June 1974

021131 28 IN83P
Study of agricultural information and data systems in Central America. I. (Spa) Inter-American Institute of Agricultural Sciences *Publ Misc Interam Inst Agric Sci* 128, 330 P. Map. 1975

021132 28 IN83P
Study of agricultural information and data systems in Central America. II. Annexes. (Spa) Inter-American Institute of Agricultural Sciences *Publ Misc Interam Inst Agric Sci* 128, Various Pagings. 1975

021133 17 SE2
Record of the transactions of the 43rd delegate assembly of the Swiss Farmers' Union on December 17, 1974 in Kursaal Bern. (Ger) *Publ Secr Paysans Suisses* 192, 68 P. 1975

021134 AHD28.P8
Ducks in a row [Retirement, U.S. Dept. Of Agriculture employees]. Taccino, E J; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 11. Aug 1975

021135 AHD28.P8
Turn yourself on [Professional development]. Bolduc, J P; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 5-8. May 1974

021136 22.5 N687
Farmer's movement in the latter half of the 19th century in U.s.a. 2. (Jpn) Ozawa, K *Q J Agric Econ* 29 (3): 47-105. Map. July 1975

021137 100 OH3R
The impact of schools on learning achievement of children [Rural sociology]. Hushak, L J; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 207, 9 P. Nov 1975

021138 SB183.S3
25 years of Czechoslovak Socialist agriculture. (Rus) Nagr, J *Sci Agric Bohemoslov* 5 (4): 215-228. 1974

021139 SB183.S3
25 years of socialist agricultural science in Czechoslovakia. (Rus) Golub, A *Sci Agric Bohemoslov* 5 (4): 229-234. Eng. Sum. 1974

021140 S95.E23
Solar radiation at Geneva, New York—variations in intensity and duration 1964-1973. Peck, N H; Gibbs, G H; Barnard, J; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 5 (9), 5 P. Ref. 1975

021141 S95.E23
The Cornell Diagnostic Observation and Reporting System for Student Description of College Teaching [in agriculture]. Tom, F K T; Cushman, H R; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 5 (8), 27 P. Ref. 1975

021142 SB183.A7
Bibliographical series. Information supplement no. 1 to 60. Author and subject indexes [Agriculture]. (Spa) Tuya, O comp *Ser Bibliogr Argent Repub Estac Exp Reg Agropecu Anquil* 4, 20 P. 1975

021143 S15.I5992
Modernization of the agricultural education in Angola. (Por) Pires, E L; Serafim, F D; Marques, J F *Ser Tec IIAA (Inst Invest Agron Angola)* 42, 21 P. Ref. Aug 1974

021144 281.29 SO12
Research on agricultural vocational mobility. Dead ends andsolution methods. (Ger) Tafertshofer, A *Sociol Ruralis* 15 (4): 273-290. Ref. Eng. Sum. 1975

021145 281.29 SO12
Return migration to a marginal rural area. An example from north Norway. Nicholson, B *Sociol Ruralis* 15 (4): 227-244. Ref. 1975

021146 281.29 SO12
Ruralism as a way of life? Stratification and voluntary associations in a Tuscan village. Wade, R *Sociol Ruralis* 15 (4): 245-258. Ref. 1975

021147 280.8 SO89
Archaeological research in Aneityum [Agricultural systems]. Groube, L M *South Pac Bull* 25 (3): 27-30. Third Quarter 1975

021148 280.8 SO89
Waidoro—a Papuan village in an era of change. I. The village and its neighbours. Laba, B *South Pac Bull* 25 (3): 31-36. Maps. Third Quarter 1975

021149 100 M693SP
Population change and net migration in the North Central States, 1960-70. McNamara, R L; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 169, 61 P. Maps. Oct 1974

021150 68.19 M28
Agroclimatic characteristics of 1973-1974 winter and the 1974 growing period in the subtropical regions of West Georgia [USSR]. (Rus) Chanukvadze, A Sh; Arobelidze, S M *Subtrop Kul't* 1: 130-132. 1975

021151 1 AG84TE
Predicting employment in four regions of the western UnitedStates. Bender, L D; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1529, 30 P. Map. Nov 1975

021152 30.98 Z3
Agricultural-social settlement foundations of the Middle Ages and after in a southeast Alps valley (Fiemme). (Ger) Becker, H *Z Agrargesch Agrarsoziol* 23 (2): 181-209. Maps. Ref. Oct 1975

021153 30.98 Z3
Book ownership and reading interest of Braunschweig farmersin the 18th century. (Ger) Wiswe, M *Z Agrargesch Agrarsoziol* 23 (2): 210-215. Ref. Oct 1975

021154 30.98 Z3
Change of Hungarian settlement and agrarian structure (13thto 14th centuries). (Ger) Maksay, F *Z Agrargesch Agrarsoziol* 23 (2): 154-164. Map. Oct 1975

021155 30.98 Z3
Farmer, worker and city dweller: social change in a Dutch village. (Ger) Brunt, L *Z Agrargesch Agrarsoziol* 23 (2): 221-230. Oct 1975

021156 30.98 Z3
Free from where to where? [Rural sociology]. (Ger) Schmelzeisen, G K *Z Agrargesch Agrarsoziol* 23 (2): 145-153. Ref. Oct 1975

021157 30.98 Z3
Starting points of political formation of plans of farming in the late Middle Ages in Swabia, Franconia and Bavaria. (Ger) Stormer, W *Z Agrargesch Agrarsoziol* 23 (2): 165-180. Ref. Oct 1975

GENERAL AGRICULTURAL ECONOMICS AND LAND ECONOMICS

281.9 C81A
Land use legislation in the Northeast: New Hampshire. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-13, 67 P. Sept 1975

281.9 C81A
Land use legislation in the Northeast: Maine. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-12, 36 P. Sept 1975

021158 30.98 AG8
The policy framework for settling the Canadian West 1870-1880 [Rural colonization]. Richtik, J M *Agric Hist* 49 (4): 613-628. Maps. Ref. Oct 1975

021159 16 T63
Vexatious reform of land leases [Legislation]. (Ita) Battistelli, E *Ann Accad Agric Torino* 116: 21-28. 1973/1974

021160 Z5074.E3C6
Agriculture and industry in economic development [Bibliography]. Jones, E A comp *Annot Bibl Commonw Bur Agric Econ* 18 (Suppl.), 13 P. Ref. 1974

021161 Z5074.E3C6
Tourism and recreation in rural areas. Aspects of land use planning and structural change [Bibliography]. *Annot Bibl Commonw Bur Agric Econ* 11 (Suppl. A), 11 P. Ref. 1974

021162 100 AR42F
The Land Use Project [of the University of Arkansas, Agricultural Experiment Station]. Ashley, T J; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 11. Nov/Dec 1975

021163 SF95.A9
Land abandonment and sheep [Europe]. (Spa) Sanchez Belda, A *Av Aliment Mejora Anim* 16 (11): 509-510. Nov 1975

021164 107.6 K114B
An economic approach to the land utilization and value in relation to the land ownership. I. On the expensive land value in Kagoshima City which is below the average gain level. (Jpn) Horiguchi, K *Bull Fac Agric Kagoshima Univ* 25: 269-290. Maps. Eng. Sum. Mar 1975

021165 107.6 K114B
Study on transition of farm-land system at Amami-Oshima. (Jpn) Hagihara, S *Bull Fac Agric Kagoshima Univ* 25: 243-268. Ref. Eng. Sum. Mar 1975

021166 58.9 F843B
Some agro-economic results obtained, one part by the National Institute of Management and Rural Economy, with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of Agricultural Machinery, with its network of agricultur. (Fre) Delaunay, E; Hardy, L; Ton-That, S *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 55-73. Oct 1975

021167 281.8 C16
A new methodology in countryside planning. Rodd, R S; Van Vuuren, W *Can J Agric Econ* P. 109-140. Mar 1975

021168 281.8 C16
Alternate strategies for urban development and their implications for agriculture. Crown, R W *Can J Agric Econ* P. 181-199. Mar 1975

021169 281.8 C16
Demands for land in Canada. McCormack, R J *Can J Agric Econ* P. 20-32. Mar 1975

021170 281.8 C16
Environmental land use controls: Alberta energy corridor. Thiessen, H W *Can J Agric Econ* P. 147-152. Mar 1975

021171 281.8 C16
Estimating crop acreages in the prairie provinces. Application of recursive programming. Sahi, R K; Craddock, W J *Can J Agric Econ* P. 193-217. Aug 1974

021172 281.8 C16
Implications of government land banks and residency requirements for agricultural land use. Brown, J A *Can J Agric Econ* P. 90-107. Ref. Mar 1975

021173 281.8 C16
Implications of government land banks and residency requirements for agricultural land use. Ball, A G *Can J Agric Econ* P. 143-146. Mar 1975

021174 281.8 C16
Indian land claims in Canada. Cardinal, H *Can J Agric Econ* P. 4-14. Mar 1975

021175 281.8 C16
Integration and land use policy in Alberta. Wood, V A *Can J Agric Econ* P. 74-89. Mar 1975

021176 281.8 C16
Introduction to "Indian land claims in Canada" by Harold Cardinal. Manning, T W *Can J Agric Econ* P. 1-3. Mar 1975

021177 281.8 C16
Land valuation for tax assessment and land use planning: The search for and use of appropriate measures. Van Vuuren, W *Can J Agric Econ* 23 (2): 1-14. July 1975

021178 281.8 C16
Multi-purpose use of public and private lands. Capel, R E *Can J Agric Econ* P. 167-178. Ref. Mar 1975

021179 281.8 C16
Preservation of agricultural land: rational and legislation. The British Colombia experience. Pearson, G G *Can J Agric Econ* P. 64-73. Mar 1975

021180 281.8 C16
Resource allocation in agricultural research using socio-economic evaluation and mathematical models. Russell, D G *Can J Agric Econ* 23 (2): 29-52. Ref. July 1975

021181 281.8 C16
The inputs required to enable farmers to realize the opportunities of the 1980's. Lovering, J *Can J Agric Econ* P. 320-342. Ref. Aug 1974

021182 281.8 C16
The managerial revolution in agricultural economics research. Quance, L *Can J Agric Econ* P. 2-30. Ref. Aug 1974

021183 281.8 C16
Trends in rural and urban land uses in Canada. Dorling, M J; Barichello, R R *Can J Agric Econ* P. 33-36. Mar 1975

021184 TX341.F63
Instead of a chicken dinner [Land utilization]. Kramer, L N; Food and Agriculture Organization of the United Nations *Ceres* 8 (5): 59. Sept/Oct 1975

021185 80 C83
How farmland prices have recovered [England]. Hanson, M *Ctry Life* 158 (4080): 664. Sept 11, 1975

021186 275.29 W27MI
The organization of [land use] planning programs in Washington. Lassey, W R; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3982, 4 P. June 1975

021187 A281.9 AG83E
Economics of agriculture. Reports and publications issued or sponsored by USDA's Economic Research Service, July 1972—June 1973 [Bibliographies]. Lanier, E B comp; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 368 (Suppl. 5), 24 P. Ref. Nov 1974

021188 308.9 R26
Importance of essential oils in the development of lemon and bergamot culture in Italy [Economic aspects]. (Spa) Spina, P *Essenze Deriv Agrum* 44 (4): 353-364. Oct/Dec 1974

021189 1 EX892EX
A rural second home [Non-resident landowners]. White, D J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 7. Jan/-Feb 1976

021190 HD9016.I4F3
A study on the tenurial system in Pattukottai Taluk. Sundararajan, S R; Subramanian, S R *Farm Fact* 9 (9): 12-13. July 1975

021191 18 F778
Fallow areas from the viewpoint of agricultural structure. (Ger) Schlephorst, G *Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr* 27: 75-81. June 1975

021192 18 F778
Possibilities of utilization and care of fallow land. (Ger) Keimer, B *Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr* 27: 7-49. Ref. June 1975

021193 280.8 F77
Expenditures relating to land utilization in areas of tourist traffic—an examination of problematic expenditures relating to land utilization in spheres of different functions [Recreational use]. (Ger) Becker, C *Forsch Sitzungsber Akad Raumforsch Landespl* 98: 131-212. 1975

021194 ASD11.A325
VIEWIT: computation of seen areas, slope, and aspect for land-use planning [Computer programs]. Travis, M R; Iverson, W D; Eisner, G H; Johnson, C G; U.S. Pacific Southwest Forest and Range Experiment Station *Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv* 11, 70 P. 1975

021195 HC125.B452
Imbalance between the centre and periphery and the "employment crisis" in Kenya [Includes agriculture]. Weeks, J *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 86-104. Ref. 1975

021196 282.8 J82
Economic issues in programs of transferable development rights. Field, B C; Conrad, J M *Land Econ* 51 (4): 331-340. Ref. Nov 1975

021197 282.8 J82
Public land banking and the price of land. Carr, J; Smith, L B *Land Econ* 51 (4): 316-330. Ref. Nov 1975

021198 HD101.L33
A new hope, a new country: Mozambique [Land reform]. Sandoval, R; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 43-51. 1974 (Pub. 1975)

021199 HD101.L33
Acquisition of land by aliens: a land tenure problem for the European Economic Community. Kolbert, C F; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 102-110. 1974 (Pub. 1975)

021200 HD101.L33
Agrarian reform in China: objectives, approach and achievements. Autustini, G; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 26-42. Ref. 1974 (Pub. 1975)

021201 HD101.L33
Agricultural development and land settlement in the Kufra region of Libya. Hajjaji, S A; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 68-88. Maps. Ref. 1974 (Pub. 1975)

021202 HD101.L33
Land tenure and rural development in Pakistan. Haider, A S; Kuhnen, F; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 52-67. 1974 (Pub. 1975)

021203 HD101.L33
The determination of the size of holdings in settlement planning: a new approach [Land reform]. Amerasinghe, N; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 89-101. 1974 (Pub. 1975)

021204 QH77.G3L3
About the interest of apartment dwellers in allotment gardens, static caravanning plots, and weekendhome plots. III. (Ger) Groning, G *Landschaft & Stadt* 7 (3): 113-122. Map. Ref. Eng. Sum. 1975

021205 QH77.G3L3
Landscape assessment on a regional level. Pragmatic determination of the natural suitability for recreation in the Baden-Wurttemberg Lake Constance area. (Ger) Harfst, W *Landschaft & Stadt* 7 (3): 103-113. Map. Ref. Eng. Sum. 1975

021206 281.9 N762
General planning and conservation of natural resources for towns. (Nor) Aanesland, N *Memo Nor Landbrukshogsk Inst Driftslaere Landbruksokom* 72, 26 P. 1975

021207 18 N39
Leasing or intensification? [Farm management]. (Ger) Uebbing, W *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1211-1213. Nov 20, 1975

021208 S19.O68
Technological choices and social use of land in developing countries. (Fre) Duhamel, B *Options Mediterr* 5 (27): 95-103. 1975

021209 325.28 P56
Photomorphic mapping for land-use planning. Nichol, J E *Photogramm Eng Remote Sensing* 41 (10): 1253-1258. Maps. Oct 1975

021210 6 P9452
What do you feed a city? Nothing but the best! Changing patterns of land use in the Phoenix area. Foster, K; Conn, J S; Post, D F *Prog Agric Ariz* 27 (5): 12-14. Maps. Sept-/Oct 1975

021211 22.5 N687
Factora affecting the conversion of farm land to non-agricultural uses [in Japan]. (Jpn) Shimizu, R *Q J Agric Econ* 29 (3): 139-164. July 1975

021212 S537.M3A24
Pacific Legal Foundation—your friend in court [Land use]. Green, R A Jr; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 11-15. Feb 1975

021213 S537.M3A24
The value of an A.U.M. [Animal unit month] of grazing [Land use]. Rowland, E; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 5-6. Feb 1975

021214 S537.M3A24
Value of public land forage to private land. Champney, W O; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 19. Feb 1975

021215 284.9 M58
Genesee County [Michigan] parks and recreation study [Land use]. Moncrief, L W; Manning, R E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 272, 14 P. Oct 1975

021216 100 C76RE
Effect of travel constraints on the distribution of skiing in New England [Recreation]. Kottke, M; Libera, S; Connecticut Storrs Agricultural Experiment Station *Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn* 45, 19 P. Ref. Nov 1975

021217 68.28 R322
Extracting plants: palm oil and kernel recovery [Industry and agriculture, Guatemala]. (Spa) Solis O, R *Rev Cafetalera* 141: 11-12. Map. Feb 1975

021218 9.4 R32
Contribution of share farming to social peace in the country [Legislation, land reforms, economic aspects, Colombia]. (Spa) Cortes, M de *Rev Nac Agric* 68 (812): 4-5. Feb 1975

021219 S671.R5
Primary research in country planning: physical and human analysis of the agricultural production [Social and economic aspects]. (Ita) Busi, R *Riv Ing Agrar* 6 (3): 137-146. Ref. Eng. Sum. Sept 1975

021220 SF221.S6
Dairy Products Manufacturers' Association, annual report [Economic aspects]. (Afr) Scholtz, G D J *S Afr J Dairy Technol* 7 (2): 125-127. June 1975

021221 100 P381S
Leisure orientations studied in Howard area [Recreation]. Leadley, S M; Hammer, E R; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 12-13. Fall 1975

021222 SB183.S3
Basic features of agricultural economics in the Czechoslovak Socialist Republic. Pic, J *Sci Agric Bohemoslov* 5 (4): 255-262. 1974

021223 280.8 SO89
Principles and problems of land tenure in the Pacific. Crocombe, R *South Pac Bull* 25 (3): 13-19. Third Quarter 1975

021224 S13.S82
Problems of agriculture in the mountainous regions of selected western European countries (review) [Economic aspects]. (Cze) Capek, J *Stud Inf, Vseob Otazky Zemed* 4, 60 P. Ref. Eng. Sum. 1974

021225 474 UM7
275000 hectars of farm land lying fallow in the Federal German Republic [Land utilization]. (Ger) Meisel, K *Umschau* 75 (17): 541-543. Map. Eng. Sum. Sept 1, 1975

021226 64.8 Z12
Land utilization and importance of plot filing by farmers. (Cze) Francik, J *Uroda* 23 (7): 275-277. July 1975

021227 100 UT1F
Subdivisions out in the county can be expensive [Land use]. Thompson, J L; Randle, P A; McKell, C M; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 83-86. Sept 1975

021228 331.9 M85
Natural agro-ecological regionalization of the lower Amu-Darya agricultural region. (Rus) Matmuratov, D *Vestn Moskovsk Univ, Geogr* 3: 70-76. Map. Eng. Sum. May/June 1975

021229 331.9 M85
Possible utilization of the "Kartimat III" automated system in compiling small-scale land utilization maps. (Rus) Vorob'eva, T A *Vestn Moskovsk Univ, Geogr* 3: 104-107. Eng. Sum. May/June 1975

021230 331.9 M85
Utilization of photography from space in regional land studies. (Rus) Nikolaev, V A *Vestn Moskovsk Univ, Geogr* 3: 10-14. Eng. Sum. May/June 1975

021231 281.9 AU73WO
New land farms in Western Australia. *Wool Econ Res Rep Bur Agric Econ (Canberra)* 26, 63 P. Maps. Ref. 1975

021232 30.98 Z3
Factors in German agricultural economy in the second half of the 19th century. Industrialization, economic regressions and structure stabilizing advances. (Ger) Schremmer, E *Z Agrargesch Agrarsoziol* 23 (2): 216-220. Oct 1975

021233 49 Z6
Organization of the interfarm mixed feed industry in Khmelnik Region. (Rus) Servetnik, V U; Oleinik, A I *Zhivotnovodstvo* 6: 3-8. June 1975

AGRICULTURAL ADMINISTRATION AND MANAGEMENT

021234 S544.3.W6W53
What is a DHI [Dairy Herd Improvement] record? Sendelbach, A G; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2416, Rev., 4 P. Nov 1975

021235 80 AC82
Recent developments in mechanization and labour utilization in bulb forcing. Slootweg, A F G *Acta Hortic* 47: 423-426. June 1975

021236 HD1940.C95A1
Activities of inspection committees in agricultural cooperatives of the Brno-Venkov district. (Cze) Krejcirikova, I; Mrazkova, M *Acta Univ Agric, Fac Agroecon* 10 (4): 373-378. Eng. Sum. 1974

021237 HD1940.C95A1
Problem of profession of poultry caretakers. (Cze) Posvar, Z; Reznicek, J; Perkova, B *Acta Univ Agric, Fac Agroecon* 10 (4): 365-372. Ref. Eng. Sum. 1974

021238 58.8 D482
Data for assessment of achievements of district farms for agricultural engineering [Management, East Germany]. (Ger) Zierold, R *Agrartechnik* 25 (7): 360-361. 1975

021239 58.8 D482
Problems and development of new products by State Farm complexes [East Germany]. (Ger) Ulrich, K *Agrartechnik* 25 (7): 349-351. Ref. 1975

021240 19 AG85
Consolidation of the organization and farming of state farms (1957-1959). (Hun) Steinbach, A *Agrartort Sz* 17 (3/4): 504-533. Ref. 1975

021241 30.98 AG8
The big farm: abundance and scale in American agriculture. Rothstein, M *Agric Hist* 49 (4): 583-597. Ref. Oct 1975

021242 22.5 N682
Measures for managing citrus production during transition period at its provenance. 2. (Jpn) Naito, M; Yakushiji, M; Tazawa, T; Hanzawa, K *Agric Hortic* 50 (6): 733-739. June 1975

021243 256.13 AG82M
Christmas turkeys—efficiency the key to profit. Reynolds, R H *Agric North Irel* 50 (6): 175-176. Oct 1975

021244 281.9 IN23
Note on impact of new technology on employment and earnings of rural labour. Srivastava, H L; Singh, G N *Agric Situation India* 61: 829-830. Feb 1975

021245 281.9 IN23
Tenancy and relative economic efficiency [Farming]. Nagadevara, V *Agric Situation India* 29 (11): 817-818. Feb 1975

021246 13 G28
On an agricultural accounting system by computer. (Fre) Debouche, C; Ramlot, P; Vanorle, L *Ann Gembloux* 80 (4): 187-199. Ref. Eng. Sum. Fourth Quarter 1974

021247 A284.9 ST1
The Agricultural Stabilization and Conservation Service. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 1, 13 P. Map. Dec 1975

021248 281.8 AU74
Programming for efficient [farm] planning against non-normal risk. Anderson, J R *Aust J Agric Econ* 19 (2): 94-107. Ref. Aug 1975

021249 281.8 AU74
Stochastic-computerized-activity-budgeting for sheep enterprises [Farm management]. Mill, S J; Longworth, J W *Aust J Agric Econ* 19 (2): 108-118. Ref. Aug 1975

021250 S560.B54
NUBES [Nottingham University Beef Enterprise Simulator] on the farm [Planning, control]. Moverley, J *Big Farm Manage* P. 99, 101. Oct 1975

021251 S560.B54
Planning the dairy strategy. Stansfield, M *Big Farm Manage* P. 49-50. Oct 1975

021252 514 AU72B
Energetics [input-output] of agriculture and food production with special emphasis on the Australian situation. Gifford, R M; Millington, R J *Bull Commonw Sci Ind Res Organ Aust* 288, 29 P. 1975

021253 100 AL122B
Creating a northern agriculture. III. Defining parameters of agricultural potential in Alaska [Management]. Burton, W E; Alaska Agricultural Experiment Station, Palmer *Bull Inst Agric Sci* 44, 35 P. Map. Ref. Aug 1975

021254 425.9 J273B
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] harvesting by machine. (Jpn) Ishikawa, S; Suda, Y; Takabayashi, K; Mashimo, S; Kanauchi, A; Sato, K *Bull Seric Exp Stn (Suginami Ku Tokyo)* 26 (4): 309-332. Ref. Eng. Sum. Apr 1975

021255 S15.A2
Food crop production systems: preliminary results. *Bull Trop Agric Res Train Cent (Turrialba)* 3 (2): 2-5. Apr/June 1975

021256 HD1401.C2
Characteristics of irrigated farms in southern Alberta. Russell, K D; Sonntag, B H *Can Farm Econ* 10 (4): 12-19. Map. Aug 1975

021257 281.8 C16
Cattle feeding economies of size revisited. Meisner, J C; Rhodes, V J *Can J Agric Econ* 23 (2): 61-65. Ref. July 1975

021258 80 C498
Labor issues confronting the Florida citrus industry. Fairchild, G F *Citrus Veg Mag* 39 (4): 12, 25-28. Dec 1975

021259 44.9 M382
Aspects of herd wastage in New Zealand dairy herds [Farm management]. MacMillan, K L; Murray, J B *Dairyfarming Annu* 26th: 121-131. Apr 1975

021260 44.9 M382
Why I continued dairyfarming. McCallum, R *Dairyfarming Annu* 26th: 10-13. Apr 1975

021261 44.9 M382
Why I expanded into beef farming. Guy, M *Dairyfarming Annu* 26: 8-10. Apr 1975

021262 SF221.D38
Who will be my executor? [Estates]. Cox, K M *Dairyman (Armadale)* 1 (3): 10-11. May 1975

021263 58.8 T677
Considering plant protection in farm management. (Ger) Ruppert, W *DLZ (Die Landtech Z)* 26 (6): 415. June 1975

021264 HD1945.A1E2
Contribution of cooperation in French poultry production regions. (Fre) Guebriant, R de *Econ Agric* 29 (11): 15, 18-20. Maps. Nov 1975

021265 HD1945.A1E2
The "Rural Future", a half century of service to farmers [Rural organizations]. (Fre) Zeeuw, M de *Econ Agric* 29 (10): 20-23. Map. Oct 1975

021266 A281.9 AG83E
Employment in agricultural and agribusiness occupations. U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 570, 127 P. Aug 1974

021267 S15.E9
Comparison of work done in the air and on the ground [Farm management, agrotechnology]. (Spa) Aragones de Ines, J *Explot Agrar* 11: 9-11. Mar 1975

021268 22 F223
A note on the relative efficiency of various intensive farming systems for small holders. Sahoo, B C; Patro, G K *Farm J (Calcutta)* 16 (7): 18-21. May 1975

021269 1 AG84F
Part-time farming. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2178, Slightly Rev., 14 P. Aug 1975

021270 281.8 G25
Comments to the article written by V. Marillai on "The problems of economic integration in agricultural economic research". (Hun) Szucs, I *Gazdalkodas* 19 (9): 41-50. 1975

021271 281.8 G25
Grape and wine production within the framework of a joint venture [Cooperation]. (Hun) Baranyi, J *Gazdalkodas* 19 (9): 51-54. Eng. Sum. 1975

021272 281.8 G25
Results of agricultural management in Szolnok county [Hungary]. (Hun) Bereczki, L *Gazdalkodas* 19 (9): 1-15. Eng. Sum. 1975

021273 281.8 G25
Up to date organization of farm enterprises. (Hun) Klenczner, A; Toth, M; Toszegi, Z *Gazdalkodas* 19 (9): 17-30. 1975

021274 17 SCH9
Forage crop producing in hill and mountain areas. Foundations for the organization of cultivation. (Ger) Dietl, W *Grune* 103 (45): 5-13. Nov 7, 1975

021275 HC125.B452
Rice, politics and development in Guyana. Hanley, E R *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 131-153. Ref. 1975

021276 HC125.B452
Structural dependency, modes of production and economic brokerage in rural Peru. Long, N *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 253-282. Ref. 1975

021277 HC125.B452
The Gezira Scheme: production of cotton and the reproduction of underdevelopment. Barnett, T *In Beyond the Sociology of Development. Economy and Soc In Lat Am and Afr. I. Oxaal, T. Barnett & D. Booth, eds.* P. 183-207. Ref. 1975

021278 S544.5.I5I52
Adoption pattern of recommended farm parctices in Gujarat. Padheria, M M; Patel, I C *Indian J Ext Educ* 11 (1/2): 70-73. Jan/-June 1975

021279 SF481.I55
Future trends in poultry management. Newland, M J *Indian Poult Rev* 6 (19): 707-709. May 16, 1975

021280 281.9 EU7I
Analysis models for polyculture-cattle husbandry enterprises. III. Basic technical-economical data in the Noordelijke Bouwstreek region (Netherlands). (Fre) *Inf Internes Agric* 140, 90 P. Map. Jan 1975

021281 281.9 EU7I
Vertical integration and contracts in agriculture. IV. Synoptic survey. (Fre) *Inf Internes Agric* 145, 117 P. Apr 1975

021282 283.8 IN8
Employment and unemployment, 1960-90 [Agriculture]. Sabolo, Y *Int Labor Rev* 112 (6): 401-411. Dec 1975

021283 75.8 K147
Internal farm cost accounting in vegetable growing. (Rus) Nifantov, G *Kartofel Ovoschi* 6: 20-22. June 1975

021284 75.8 K147
Use of all reserves to increase productive capacity [Vegetables, potatoes]. (Rus) Pavlov, A; Dukhovskii, A *Kartofel Ovoschi* 5: 17-19. May 1975

021285 72.8 K522
A full load on the cotton harvesting machinery. (Rus) Dadabaev, IU *Khlopkovodsto* 8: 19-21. Aug 1975

021286 72.8 K522
Organizational and economic activities of state farms on newly developed lands [in Uzbek SSR]. (Rus) Akhmedov, A *Khlopkovodsto* 9: 9-14. Sept 1975

021287 72.8 K522
Production and technical basis of a new type [State farm management]. (Rus) Fligel'man, IA I *Khlopkovodsto* 5: 11-14. May 1975

021288 72.8 K522
Sector principle of management in collective farms. (Rus) Mikhailiukova, Z A *Khlopkovodsto* 5: 6-8. May 1975

021289 72.8 K522
Technical means for production management [in agriculture]. (Rus) Sabirov, Sh *Khlopkovodsto* 8: 7-8. Aug 1975

021290 72.8 K522
What form is better? [Labor management in cotton growing farms]. (Rus) Lagutinskii, IU K *Khlopkovodsto* 5: 9-10. May 1975

021291 58.8 L235
Ergonometric principles for organizing work places with machines. (Ger) Dupuis, H *Landtechnik* 30 (10): 435-437. Ref. Oct 15, 1975

021292 49 B462
12 percent of sows are registered for technical management, and yours? (Fre) Dagorn, J; Le Denmat, M *L'elevage* 45: 97, 99-103. Nov 1975

021293 S13.M4
Arrangement of a plan of agriculture production in the district [Farm management]. (Cze) Janus, M *Metod Zavad Vysled Vyzk Praxe* 20, 36 P. 1975

021294 S13.M4
Group use of 8 kg/s combined harvesters and threshers [Cereals, harvesting, work management]. (Cze) Maler, J *Metod Zavad Vysled Vyzk Praxe* 17, 26 P. 1975

021295 20 M57
Dynamics and structure of manpower in the agriculture of Hungary. (Rus) Ivanics, A *Mezhdunar S-kh Zh* 6: 16-20. 1975

021296 20 M57
Modernization of the agrochemical servicing of farm enterprises [in Hungary]. (Rus) Gerei, L *Mezhdunar S-kh Zh* 6: 21-25. 1975

021297 20 M57
Organization of agrochemical service [in USSR] in the area of massive chemicalization [Fertilizers, application]. (Rus) Hrusha, P *Mezhdunar S-kh Zh* 6: 46-48. 1975

021298 275.29 M58A
Estate planning for farmers. Kelsey, M; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 391: 1-3. Aug 1975

021299 275.29 M58A
The agricultural career ladder. Gibson, J L; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 392: 1-3. Map. Sept 1975

021300 SF221.M5
Possibilities for cooperating in cattle rearing. Effects onconstruction planning, work time and capital requirement. (Ger) Ruprich, W *Milch Prax Rindermast* 13 (4/5): 22-25. Nov 1975

021301 166.2 N47
Benchmarks show pioneering aspects of farmer cooperatives [History]. U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 16-17. Oct 1975

021302 166.2 N47
Leadership institute brainstorms everchanging climates, theories [Cooperatives]. Ward, C; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 12-14. Oct 1975

021303 166.2 N47
Management principles put to test in crisis situation. Wiebe, O R; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 8-9. Oct 1975

021304 60.9 J27
Sterotyped system of land utilization for the grassland-type dairy farming management. (Jpn) Miyazawa, Y *Nippon Sochi Gakkai Shi* 21 (2): 116-123. Eng. Sum. July 1975

021305 S13.O2
Material and technical servicing of agriculture in the countries of western Europe. (Rus) Evdokimov, A I; Faktor, G L *Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz* 847, 43 P. Ref. 1975

021306 S19.O68
From tribe to cooperative: outline of the evolution of OranHigh Plains. (Fre) Couderc, R *Options Mediterr* 5 (28): 65-73. Map. Ref. 1975

021307 S19.O68
In view of an integrated approach of deveopment of pasture in arid zones: considerations from a case in South Tunisia. (Fre) Bouaine, M; Dumont, J J *Options Mediterr* 5 (28): 75-81. 1975

021308 1 AG84PRO
This is Cooperative Extension [Service of the U.S. Department of Agriculture]. U.S. Dept. of Agriculture *PA U S Dep Agric* 819, 8 P. 1973

021309 46.8 P623
A question of training [Swine farm management]. Darroch, R A *Pig Farming* 23 (11): 111. Nov 1975

021310 46.8 P623
Buying management aids [Swine farms]. Thornton, K *Pig Farming* 23 (11): 40-42. Nov 1975

021311 46.8 P623
Interpreting your own results [Swine farm management]. Brent, G *Pig Farming* 23 (11): 113. Nov 1975

021312 46.8 P623
Sorting out producers' problems [Swine farm management]. Smith, B *Pig Farming* 23 (11): 94-95. Nov 1975

021313 389.79 C81
New York State energy needs for food production [Agricultural input-output]. Price, D R *Proc Cornell Nutr Conf Feed Manuf* P. 9-15. 1975

021314 49.9 N483
Beef [cattle] feedlotting—a discussion paper [Financial management]. Monteath, M A *Proc N Z Soc Anim Prod* 34: 254-261. 1974

021315 28 IN83P
Guide for farm administration and planning [Latin America]. (Spa) Murcia, H H *Publ Misc Interam Inst Agric Sci* 112, 113 P. Ref. 1974

021316 HD1987.L33
Results of modern two and three man dairy farms. (Dut) Klaassens, K *Publ 3 Landbouw-Econ Inst Afd Bedr Onderz Landbouw* 3.56, 64 P. May 1975

021317 AHD28.P8
Economic analysis—auditor training and field experience. Moore, S; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 17-19. Aug 1975

021318 AHD28.P8
Planning program audits. Fisch, J E; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 9-11. May 1974

021319 AHD28.P8
Setting the stage [for a Federal audit]. Neal, R L; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 25. Aug 1975

021320 AHD28.P8
The mass media and a future breed of public administrators. Bolduc, J P; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 14-16. Aug 1975

021321 AHD28.P8
What audit means to the Director, Office of Audit [U.S. Dept. of Agriculture]. Greess, L H; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 6-7. Aug 1975

021322 AHD28.P8
What audit means to the Dickson County, Tennessee, County Supervisor, Farmers Home Administration. Sanders, J A; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 10. Aug 1975

021323 22.5 N687
Peasant economy and collective farming according to the opinion of J. Tepicht. (Jpn) Korenaga, T *Q J Agric Econ* 29 (3): 107-123. July 1975

021324 22.5 N687
1972 survey on the trends of farm labor in Japan. (Jpn) Namiki, M *Q J Agric Econ* 29 (3): 125-137. July 1975

021325 SF191.P74
Large dairy cattle industry in Canada and the United States; report of a study trip in 1974 [Management]. (Dut) Snijders, P J M *Rapp Proefstn Rundveehouderij* 34, 62 P. Ref. Eng. Sum. July 1975

021326 S15.R46
Planned programming: application of method for planning an agricultural undertaking located in the settlement of Luinga, municipality of Ambaca, district of North Cuanza (Angola). (Por) Almeida, J M R *Reordenamento* 38: 3-7. Mar/Apr 1975

021327 S51.E2
An analysis of factors influencing farm expansion and survival in south central Georgia. Musser, W N; White, F C; Chang, A A; Georgia Experiment Stations *Res Bull Ga Exp Stn* 175, 18 P. Ref. Oct 1975

021328 100 C76RE
Economic feasibility of early retirement and disinvestment in farming. Kraenzle, C; Kottke, M; Connecticut Storrs Agricultural Experiment Station *Res Rep Conn Storrs Agric Exp Stn* 44, 21 P. Ref. Nov 1975

021329 100 OK4M
Culling the cow herd [Management]. Rich, T D; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 31-33. Oct 1975

021330 20.5 R59 SER. C
Optimization possibility of regional agricultural technological service system. (Pol) Otmianowski, T; Guz, J; Marciniak, A W; Pierscionek, Z; Pleszczynski, S *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 7-18. Eng. Sum. 1975

021331 281.29 SO12
Toward a definition of [farm] management process. Scoullar, B B *Sociol Ruralis* 15 (4): 259-272. Ref. 1975

021332 49.9 N76
Evaluation of the method of appraising the value of agricultural buildings for management purposes. (Nor) Gjerde, I *Stensiltr Inst Bygningstek Nor Landbrukshogsk* 130, 52 P. Ref. 1975

021333 69.8 T112
Means of increasing the efficiency of tobacco production in the state farms in Azerbaijan. (Rus) Mamedov, G A; Il'iazova, E I; Mirzoev, A K *Tabak* 3: 43-45. 1975

021334 64.8 Z12
Program for rationalization of further development of crop production in the Mlada Boleslav district [Estimates]. (Cze) Kroupa, J *Uroda* 23 (7): 243-244. July 1975

021335 20 M66
Efficiency of agricultural-industrial enterprises based on industrial alcohol production. (Bel) Shcharbei, H L *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 10-15. 1975

021336 95.8 V77
Planning of demands for planting material for establishment of new vineyards. (Rus) Shapkin, IU D *Vinodel Vinograd SSSR* 4: 34-36. 1975

021337 95.8 V77
Reserves for the effective use of transport means in viticulture. (Rus) Ganin, A P; Gravtsov, I A; Ponomarev, V N *Vinodel Vinograd SSSR* 5: 37-41. 1975

021338 20 V82
Determining the efficiency of production in livestock industry. (Ukr) Malanchuk, M M; TSyhylyk, B I *Visn Sil's'kohospod Nauki* 6: 16-20. June 1975

021339 20 V82
Efficiency of productive resources of collective farms. (Ukr) Tryn'ko, R I *Visn Sil's'kohospod Nauki* 7: 14-17. July 1975

021340 20 V82
Factors in the intensification of feed production [Forage plants]. (Ukr) Proskura, I P *Visn Sil's'kohospod Nauki* 6: 1-6. June 1975

021341 20 V82
On uniform utilization of labor resources in agriculture of the Crimea. (Ukr) Pieshkov, I M *Visn Sil's'kohospod Nauki* 7: 24-28. July 1975

021342 20 V82
Problems of increasing grain production in the Ukraine. (Ukr) Pohrebniak, P L *Visn Sil's'kohospod Nauki* 7: 1-9. July 1975

021343 20 V82
State of production and ways of increasing the quality of sunflower seeds in the Ukraine. (Ukr) Heshele, E E; Pohorlets'kyi, B K; Ikhno, M P; Bozhko, M F *Visn Sil's'kohospod Nauki* 7: 37-43. Ref. July 1975

021344 20 V82
Ways of increasing labor productivity in sheep raising. (Ukr) Turchyn, V H *Visn Sil's'kohospod Nauki* 7: 10-13. July 1975

021345 SF191.W6
The place of livestock in small farm development; an Indianexample. Groenewold, H H; Crossing, P R; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 2-6. 1975

021346 49 Z6
Animal husbandry on an industrial basis. (Rus) Motoriko, M G *Zhivotnovodstvo* 8: 4-10. Aug 1975

021347 49 Z6
Calf [supply] replenishment of farms specializing in intensive beef production. (Rus) Svechin, K B *Zhivotnovodstvo* 6: 8-12. June 1975

021348 49 Z6
Quality of production and economic structure of farms. (Rus) Kliuikov, V F; Trifonova, E V *Zhivotnovodstvo* 6: 73-74. June 1975

021349 49 Z6
Specialization and progressive technology, the basis for high profitability of pork production [Swine farms]. (Rus) Esipov, A M *Zhivotnovodstvo* 8: 15-17. Aug 1975

AGRICULTURAL PRODUCTION COSTS AND RETURNS

021350 281.9 C81A
Energy demand and water resource management: some economic aspects [Cost models]. Lyon, D K; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-32, 124 P. Maps. Ref. Dec 1975

021351 281.9 C81A
Field crops costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-26, 35 P. Oct 1975

021352 281.9 C81A
Fruit and vegetable crops costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-27, 45 P. Oct 1975

021353 281.9 C81A
Livestock costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-25, 19 P. Oct 1975

021354 281.9 C81A
Overhead costs from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-24, 36 P. Oct 1975

021355 80 AC82
Application of programming models to specialised bulb-growing farms [Costs and returns, Netherlands]. Haan, W G de *Acta Hortic* 47: 413-421. June 1975

021356 80 AC82
Economic evaluation of differences in planting densities [Bulbs, costs and returns]. Vroomen, C O N de *Acta Hortic* 47: 399-406. June 1975

021357 80 AC82
Economical prospects of protected cultivation [Costs, prices, returns]. Jacobs, J M; Meijaard, D *Acta Hortic* 51: 349-361. Aug 1975

021358 S671.A2
Analysis of costs for cow barn modernization. (Slo) Markova, T *Acta Technol Agric* 14: 87-93. Eng. Sum. 1975

021359 HD1940.C95A1
Analysis of developmental tendencies of the gross income in unified agricultural cooperatives. (Cze) Zavodny, J; Kubicek, J *Acta Univ Agric, Fac Agroecon* 10 (4): 307-316. Eng. Sum. 1974

021360 HD1940.C95A1
Economical-statistical analysis of causes of different returns in socialist agricultural enterprises. (Cze) Gona, S; Kubicek, J *Acta Univ Agric, Fac Agroecon* 10 (4): 291-296. Eng. Sum. 1974

021361 A281.9 AG8A
Farmers' expenditures for custom pesticide services, 1971. Ferguson, W L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 314, 31 P. Maps. Nov 1975

021362 A281.9 AG8A
Taxes levied on farm personal property, 1960-72. Sibold, A G; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 321, 11 P. Ref. Jan 1976

021363 4 AM34P
Yield response [of field crops and vegetables] to soil warming: economic feasibility [of utilizing energy production waste waters]. Schmisseur, W E; Boersma, L; Rykbost, K A *Agron J* 67 (6): 794-798. Nov/Dec 1975

021364 9 SO1
Methodological problems in cost calculation in cattle farming [Argentina]. (Spa) Instituto de Estudios Economicos de la Sociedad Rural Arg; Entina *An Soc Rural Argent* 109 (1/2): 20-25. Jan/Feb 1975

021365 100 AR42F
Economic evaluation of hay harvesting methods [Costs]. Garner, C R; Halbrook, W A; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 12. Nov/Dec 1975

021366 47.8 B26
Financial management—cost analysis in poultry industry. (Hun) Gonda, CS *Baromfiipar* 22 (9): 393-406. 1975

021367 S560.B54
Cash flow on the dairy farm [Finances]. Blatchford, R *Big Farm Manage* P. 51, 53, 57, 58. Oct 1975

021368 275.29 C71E
Costs and returns for selected crops in Closed Basin, San Luis Valley, Colorado, 1974. Johnson, S H III; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 490A, 49 P. Maps. Ref. July 1975

021369 275.29 C71E
Costs and returns for irrigated crop production in the lower South Platte Valley, Colorado [Field crops]. Conklin, L R; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 491A, 63 P. Map. July 1975

021370 275.29 C71E
Costs and returns for irrigated crop production in the Uncompahgre Valley, Colorado. Conklin, L R; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 492A, 68 P. Map. July 1975

021371 100 K13S (1)
Value of crop production in Kansas [Returns]. Primm, B K; Orazem, F; Kansas Agricultural Experiment Station *Bull Kans Agric Exp Stn* 584, 11 P. Maps. Jan 1975

021372 100 P381
Impact of the extension of unemployment insurance to agricultural employment in Pennsylvania. Warland, R H; Holt, J S; Pennsylvania Agricultural Experiment Station *Bull Pa State Univ Coll Agric Agric Exp Stn* 798, 73 P. Dec 1974

021373 100 C12CAG
Effect of water quality and irrigation frequency on farm income in the Imperial Valley. Noel, J; Moore, C V; Robinson, F; Snyder, J H; California Agricultural Experiment Station *Calif Agric* 29 (11): 12-14. Nov 1975

021374 HD1401.C2
Economic analysis of grain and oilseed production in Western Canada [Costs, returns]. Johnson, L M *Can Farm Econ* 10 (4): 1-11. Map. Aug 1975

021375 275.29 N811
1974 dairy farm business summary. Wells, R C; Pardue, D C; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 608, 47 P. Oct 1975

021376 SB415.C625
Investment credit available for greenhouse construction. Ecker, G A; Connecticut University Cooperative Extension Service *Conn Greenhouse News!* 67: 1-3. Sept 1975

021377 SB251.I5C6
Economics of production of hybrid cotton seeds utilising male-sterile line. Srinivasan, K; Gururajan, K N *Cotton Dev* 4 (3): 3-5. Oct 1974

021378 SF208.C62
Income tax considerations for 1975 [Dairy farming]. Lessley, B V; Maryland University Cooperative Extension Service *Cow Moos* P. 3. Dec 1975

021379 44.9 M382
Financing proposals for the future [New Zealand Dairy Farm system]. Shepherd, R *Dairyfarming Annu* 26th: 14-16. Apr 1975

021380 58.8 T677
Are fluid feeding devices economical? (Ger) Schmid, W *DLZ (Die Landtech Z)* 26 (4): 278. Apr 1975

021381 58.8 T677
Comparison of various farm plans [Costs and returns]. (Ger) Bauer, D *DLZ (Die Landtech Z)* 26 (3): 204. (Concluded) Mar 1975

021382 58.8 T677
Do not rely spontanously on the highest interest [Agricultural income]. (Ger) Sparer, R *DLZ (Die Landtech Z)* 26 (4): 270-271. Apr 1975

021383 58.8 T677
Foreign capital is also capital [Agriculture]. (Ger) Sparer, R *DLZ (Die Landtech Z)* 26 (3): 192-194. Mar 1975

021384 58.8 T677
Get you premium from the state where you are resident [WestGermany, agriculture]. (Ger) Sparer, R *DLZ (Die Landtech Z)* 26 (5): 324. May 1975

021385 58.8 T677
How much does drying hay under the roof cost? (Ger) Finkenwirth, W *DLZ (Die Landtech Z)* 26 (5): 349-350. May 1975

58.8 T677
More "phases", more losses? [Sugarbeet harvesting, equipment]. (Ger) Brinkmann, W *DLZ (Die Landtech Z)* 26 (6): 379-380, 382. June 1975

021386 58.8 T677
Shares instead of cattle? [Farm finance]. (Ger) Sparer, R *DLZ (Die Landtech Z)* 26 (11): 754-755. Nov 1975

021387 58.8 T677
That is the catch [Machine repair costs]. (Ger) Keller, H *DLZ (Die Landtech Z)* 26 (11): 740-741, 744. Nov 1975

A281.9 AG83E
Cost of storing and handling cotton at public storage facilities, 1972-73, with projections for 1974-75. Chandler, W M Jr; Ghetti, J L; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 554, 38 P. June 1974

021388 TX341.F3
Farmers' response to Small Farm (Incentive Bonus) Scheme [Income]. Curry, J *Farm Food Res* 6 (4): 79-81. July/Aug 1975

021389 TX341.F3
Intensive finishing of Blackface Hill lambs —current outlook [Returns]. Fingleton, W A; Connolly, J *Farm Food Res* 6 (4): 95. July/Aug 1975

021390 TX341.F3
Will it pay to feed concentrates to overwintering beef cattle? [Returns]. Hickey, B; Connolly, J *Farm Food Res* 6 (4): 82-84. July/Aug 1975

021391 17 SCH9
Problems of insurance in agriculture. (Ger) Bertschi, R *Grune* 103 (51): 27-28. Dec 19, 1975

021392 TP371.8.P357 1974
Preparation for the introduction of food irradiation in Brazil [Economic feasibility]. Zonenschain, L *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 141-153. 1974 (Pub. 1975)

021393 TP371.8.P357 1974
Present status and prospects for the commercialization in Hungary of irradiated food items for human consumption [Economic feasibility]. Farkas, J *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 37-59. Ref. 1974 (Pub. 1975)

021394 TP371.8.P357 1974
Prospects of onion irradiation in India [Economic feasibility]. Sudarsan, P *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 89-112. Map. Ref. 1974 (Pub. 1975)

021395 TP371.8.P357 1974
The economic feasibility of onion, potato and wheat irradiation in India. Sudarsan, P *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 197-201. 1974 (Pub. 1975)

021396 44.8 IN282
Exploring ways and means to reduce the cost of production ofmilk to encourage dairy farming. Bhasin, N R *Indian Dairym* 27 (7): 273-278. July 1975

021397 SF481.I55
Financing small poultry farmers. Arunajatesan, S *Indian Poult Rev* 6 (21): 767-769. June 16, 1975

HD9000.A1J68
Solid waste management methods and costs in independent retail food stores. Toensmeyer, U C; Sloan, T C *J Food Distrib Res* 6 (3): 28-36. Sept 1975

021398 75.8 K147
Experiment in growing tomatoes [Cost]. (Rus) Buivol, D *Kartofel Ovoschi* 5: 21-22. May 1975

021399 75.8 K147
Four-year scheme for cultivation of seed potato stock [Costs]. (Rus) Zykin, A *Kartofel Ovoschi* 6: 14-15. June 1975

021400 72.8 K522
Conditions of return on investment [in collective farms]. (Rus) Farzaliev, M M *Khlopkovodsto* 8: 5-6. Aug 1975

021401 72.8 K522
Economic efficiency of [cotton] variety changing. (Rus) Rakhmanov, U R *Khlopkovodsto* 5: 27-29. May 1975

021402 72.8 K522
Intensification and reduction of material imput capacity in cotton growing. (Rus) Kotov, IU V *Khlopkovodsto* 9: 2-4. Sept 1975

021403 72.8 K522
Rational amount of fixed production capital [in collective and state farms]. (Rus) Ginzburg, IA M; Kzylkhodzhaev, S A *Khlopkovodsto* 8: 2-4. Aug 1975

021404 72.8 K522
The system of paying a 50% additional payment for raw cotton sold to the state by collective, state and other types of farms above the annual fixed plan. (Rus) Karamyshev, V P *Khlopkovodsto* 9: 42. Sept 1975

021405 72.8 K522
The [economic] basis for an optimum machinery set up [on cotton growing farms]. (Rus) Obidov, A *Khlopkovodsto* 9: 7-8. Sept 1975

021406 72.8 K522
Ways of increasing the production of cotton. (Rus) Mamedov, A I *Khlopkovodsto* 9: 5-6. Sept 1975

021407 282.8 J82
Landowner behavior at the rural-urban fringe in response to preferential property taxation. Hansen, D E; Schwartz, S I *Land Econ* 51 (4): 341-354. Ref. Nov 1975

021408 18 L2353
Economic aspects of use of complete diets in milk production [Costs]. (Ger) Meinhold, K; Walter, K *Landbauforsch Volkenrode* 24 (2): 91-104. Ref. Dec 1974

021409 58.8 L235
Effect of energy and fertilizer price increase on farms. (Ger) Hack, W *Landtechnik* 30 (10): 420-422. Oct 15, 1975

021410 SF1.L5
The economics of using artificially dried green crops in milk production [Dairy cattle, feeding costs]. Ostergaard, V *Livest Prod Sci* 2 (3): 211-219. Ref. Sept 1975

021411 1 AG84MR
An evaluation of two shell egg marketing systems [Costs]. Lederer, B E; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1046, 25 P. Dec 1975

021412 HD1987.L35
Profitability of nursery stock in Boskoop during 1973/1974 [Costs, returns]. (Dut) Noort, L van *Meded Overdrukken Landbouw Econ Inst* 128, 13 P. Apr 1975

021413 281.9 N762
The economics of greenhouse production [Costs]. (Nor) Langvatn, H *Memo Nor Landbrukshogsk Inst Driftslaere Landbruksokom* 71, 11 P. July 1975

021414 8 M5762
Loan of 310 million dollars for agricultural development. (Spa) *Mex Agric* 21 (252): 15-17. Apr/May 1975

021415 20 M57
Economic effectiveness of the production of granulated mixed feeds [Costs, Mongolia]. (Rus) Shagdarsuren, Zh *Mezhdunar S-kh Zh* 6: 75-76. 1975

021416 SF221.M5
Possibilities of lowering construction costs on dairy barns. (Ger) Hillendahl, W; Marten, J *Milch Prax Rindermast* 13 (4/5): 5-6, 8, 10. Nov 1975

021417 SF221.M5
Will milk production also be profitable in the future? (Ger) Hildebrandt, H H *Milch Prax Rindermast* 13 (4/5): 3-5. Nov 1975

021418 44.8 M5933
Determination of the cost curve in dairy production departments in dependence on capacity and capacity utilization. VIII. Butter making section. (Ger) Brehm, K P; Krell, E *Milchwissenschaft* 30 (10): 614-622. Eng. Sum. Oct 1975

021419 44.8 M5933
Determination of the cost curve in dairy production departments in dependence on capacity and capacity utilization. VII. Consumption milk section. (Ger) Longuet, D *Milchwissenschaft* 30 (9): 548-554. Eng. Sum. Sept 1975

021420 18 N39
Who uses farm investment programs? (Ger) Schaffland, H J *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1214-1216. Nov 20, 1975

021421 1 AG84PRO
Emergency livestock "line of credit" guarantees [Farmers Home Administration, rural loans. U.S. Dept. of Agriculture *PA U S Dep Agric* 1127, 3 P. Oct 1975

021422 1 AG84PRO
Farmers Home Administration credit for American Indians. U.S. Dept. of Agriculture *PA U S Dep Agric* 1129, 3 P. Nov 1975

021423 SB401.P4P4
Economics of establishing young pecan orchards [Costs, returns]. Johnson, J L *Pecan South* 2 (6): 248-249. Nov 1975

021424 46.8 P623
Cooperative dividens are low [Swine farms]. Charlesworth, R *Pig Farming* 23 (11): 100-101. Nov 1975

021425 46.8 P623
Linking pig prices to feed costs. Foster, J *Pig Farming* 23 (11): 94-95. Nov 1975

021426 1.9 EC752F PES
Production and marketing costs and margins for poultry and eggs. Rogers, G B; Benson, V W; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* 284: 23-25. Nov 1974

021427 SF481.P68
Cages—Are they costing you money! [Chickens]. Mills, W C Jr; North Carolina State University Agricultural Extension Service *Poult Pointers* 2 P. Dec 1975

389.79 C81
How nutrition research has improved the economy of poultry production. Scott, M L *Proc Cornell Nutr Conf Feed Manuf* P. 25-33. 1975

021428 49.9 N483
Financial aspects of [beef cattle] feedlot management in New Zealand. McIvor, A R; Jagusch, K T; Charlton, P J *Proc N Z Soc Anim Prod* 34: 215-232. 1974

021429 14 P94
Mechanical grape harvesting in Anjou [Costs, equipment]. (Fre) Riveneau, B *Prog Agric Vitic* 92 (19): 567-577. Oct 1, 1975

021430 HD1987.L34
Economic aspects of cultivation of lilacs [Syringa, costs]. (Dut) Groenewegen, C A M; Miltenburg, J C A *Publ Landbouw Econ Inst Afd Tuinbouw* 4.66, 38 P. Eng. Sum. Nov 1975

021431 HD1987.L34
Economic aspects of cultivation and sale of cut Anthurium [andreanum, costs]. (Dut) Stein, A *Publ Landbouw Econ Inst Afd Tuinbouw* 4.64, 40 P. Eng. Sum. July 1975

021432 S537.M3A24
Alfalfa forage cost analysis. Reese, D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 29-30. Feb 1975

021433 S537.M3A24
Costs of grazing [cattle and horses] on public lands. Reed, A D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103, 3-4. Feb 1975

S537.M3A24
One thousand pounds of finished beef per acre? [Pasture management]. Robison, J P; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 31-34. Feb 1975

021434 S15.R46
Aspects of rural credit [Angola]. (Por) Oliveira e Silva, F de *Reordenamento* 37: 28-31. (Concluded) Ref. Jan/Feb 1975

021435 S51.E2
An alternative to the farm property tax in Georgia. White, F C; Miller, B R; Logan, C A; Georgia Experiment Stations *Res Bull Ga Exp Stn* 170, 39 P. Ref. May 1975

021436 100 M693 (3)
Estimation of industry labor income multipliers for county groupings in Missouri [Farming]. Scott, D F; Braschler, C; Missouri Agricultural Experiment Station *Res Bull Univ Mo Columb Coll Agric Agric Exp Stn* 998, 26 P. July 1975

021437 43.8 R32
Insurance of accidents in farm work [Brazil]. (Por) Marson, R *Rev Criad* 45 (545): 71-72. June 1975

021438 SF95.R42
Study of returns obtained from using liquid brewer's yeast as a feed supplement to chicken rations [Costs]. (Spa) Ocio, E; Vinaras, R *Rev Nutr Anim* 13 (1): 21-34. Ref. Eng. Sum. Jan/Mar 1975

021439 SF1.R54
The cereals have paid for the milk [Production costs]. (Ita) Dominione, C *Rilancio Agric Vet Zootec* 6 (5/6): 18-19. 1974

021440 50.8 R322
Methods of beef cattle production in the U.S.A. 3. Balance and critical study of the American system [Costs and returns]. (Fre) Laillier, C *RTVA* 14 (115): 39, 41. Aug/Sept 1975

021441 106 ES83
Prospective volume and cost of works in reclamative reconstruction of fields in the Estonian SSR. (Rus) Paalmiae, V *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 22-26. Eng. Sum. 1975

021442 68.19 M28
Correct calculation of the effectiveness of fixed capital [in collective farms of the subtropical zone]. (Rus) Glonti, G N *Subtrop Kul't* 1: 8-12. 1975

021443 68.19 M28
Problems of profitability of [other production] sectors and crops in tea-growing collective farms. (Rus) Oragvelidze, I Sh *Subtrop Kul't* 1: 3-7. 1975

021444 68.19 M28
The analysis of net income and profitability in collective farms. (Rus) Chkhartishvili, D S *Subtrop Kul't* 1: 13-18. 1975

021445 100 F66SU
Citrus handling cost-price squeeze continues. Tilley, D S; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 13-15. Fall 1975

021446 69.8 T112
The raise of the concentration of tobacco production in the Ternopol'skaia province [Returns]. (Rus) Kovba, E V *Tabak* 2: 14-16. 1975

021447 69.8 T112
To increase the economic efficiency of tobacco growing in the Crimea [Returns, prices]. (Rus) Sotnik, N G; Amirov, M B; Liashenko, M E *Tabak* 2: 11-13. 1975

021448 100 AR4 (2)
Cost of producing crops in the irrigated Southwest. I. Arizona. Wright, N G; Stubblefield, T M; Arizona Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Ariz* 220, 11 P. Dec 1975

021449 49 T445
Influence of technical methods on the costs of silaging in high and flat silos. (Ger) Pirkelmann, H; Schurig, M *Tierzuchter* 27 (12): 524-526, 528-529. Dec 5, 1975

021450 49 T445
Profitability prospects of swine production in the past decade [Income]. (Ger) Kupper, B *Tierzuchter* 27 (12): 518-519.. Dec 5, 1975

021451 20 V82
Norms of capital expenditures for the establishment of stone fruit orchards. (Ukr) IUrchyshyn, V V; Shestopal', O M; Maidebura, V I; Zherevchuk, V M *Visn Sil's'kohospod Nauki* 9: 1-8. Sept 1975

021452 20 V82
Reduction of expenditures in the dairy cattle industry. (Ukr) Kobziev, V S; Kobzieva, L M *Visn Sil's'kohospod Nauki* 7: 20-24. July 1975

021453 20 V82
Ways of increasing the efficiency of primary funds on rice-growing farms. (Ukr) Lebid', V IA *Visn Sil's'kohospod Nauki* 7: 17-19. July 1975

021454 421 Z1
Calculation of prime costs of labor in service of aircraft for plant protection. (Rus) Bardin, I S *Zashch Rast* 4: 34-37. Apr 1975

021455 SB183.Z4
Improvement of zonal prices for cereals [Costs, returns, Ukraine]. (Rus) Belous'ko, IA K *Zernovoe Khoz* 6: 17-19. June 1975

021456 49 Z6
Effectiveness of rearing pregnant heifers on specialized farms [Costs]. (Rus) Bogdanov, G A; Eisner, F F; Omel'ianenko, A A; SHapovalov, IU D *Zhivotnovodstvo* 8: 70-73. Aug 1975

021457 49 Z6
Increase in effectiveness of animal husbandry by improving the structure of feeding [Costs, returns]. (Rus) Maslov, A A *Zhivotnovodstvo* 8: 64-66. Aug 1975

021458 49 Z6
Production of grass meal in specialized associations of Moldavia [Costs]. (Rus) Bulat, G F; Lysenko, V M; Gorbataia, M L *Zhivotnovodstvo* 8: 47-50. Aug 1975

49 Z6
Productivity of young cattle fed a ration enriched with Propiovit [Costs, returns]. (Rus) Tolokonnikov, IU A; Kuzina, R M *Zhivotnovodstvo* 8: 62-63. Aug 1975

021459 49 Z6
Stable feed basis for development of animal husbandry [Costs]. (Rus) Stepanov, A I; Popov, N I *Zhivotnovodstvo* 8: 37-42. Aug 1975

021460 49 Z6
Veal productivity of calves of dairy and beef-dairy [cattle] breeds in conditions of industrial technology [Costs, returns, meat composition]. (Rus) Levantin, D L; Khrapkovsii, A I; Sorokin, A M *Zhivotnovodstvo* 8: 22-24. Aug 1975

AGRICULTURAL PRODUCTION DISTRIBUTION

281.9 C81A
Retailing florist crops through mass merchandising outlets: Rochester, New York and Hartford, Connecticut. Goodrich, D; Avermaete, U; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-8, 25 P. June 1975

021461 80 AC82
Marketing channels for horticulture in Kenya. Thimm, H U *Acta Hortic* 49: 43-49. July 1975

021462 19 AG85
The problem of Hungarian agricultural exports in the English-Austrian trade talks of the 1860s. (Hun) Frank, T *Agrartort Sz* 17 (3/4): 477-486. Ref. 1975

021463 281.8 AG826
Exchange rate fluctuations and border levies: consequences for swine producers in the German Federal Republic with respect to their 1970-1973 price level. (Ger) Ryll, E *Agrarwirtschaft* 24 (5): 129-134. Ref. Eng. Sum. May 1975

021464 A281.9 AG8A
Milk pricing. Manchester, A C; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 315, 17 P. Nov 1975

A281.9 AG8A
The cheese industry [Processing, distribution]. Lough, H W; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 294, 71 P. Ref. July 1975

021465 1 AG84AH
Compilation of statutes relating to the Agricultural Marketing Service and closely related activites as of September 1, 1975. U.S.; U.S. Dept. of Agriculture; Agricultural Marketing Service *Agric Handb U S Dep Agric* 492, Rev., 392 P. Dec 1975

1 AG84AH
Fruits and tree nuts: blooming, harvesting, and marketing dates. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 186, Rev., 52 P. Map. Dec 1975

021466 22.5 N682
Production and marketing of Hassaku oranges. 1. (Jpn) Nogamine, T *Agric Hortic* 50 (6): 743-747. June 1975

021467 381 AG85
Technical knowledge: key to fertilizer sales. Ambrose, D M *Agrichem Age* 18 (7): 12-15. Sept/Oct 1975

021468 9 SO1
World meat consumption. (Spa) Instituto de Estudios Economicos de la Sociedad Rural Arg; Entina *An Soc Rural Argent* 109 (1/2): 8-10, 12. Jan/Feb 1975

021469 281.8 AU74
Supply response in the wheat-belt of southeastern Australia: the impact of delivery quotas on wheat plantings. Fisher, B S *Aust J Agric Econ* 19 (2): 81-93. Ref. Aug 1975

021470 107.6 K114B
Research on the locality of swine farm: transportation factors in swine rearing on areas far from the market. (Jpn) Tanaka, S *Bull Fac Agric Kagoshima Univ* 25: 173-241. Ref. Mar 1975

021471 100 AL122B
Supplying Alaska's red meat & poultry markets. Stephens, C A; Thomas, W C; Burke, V H; Alaska Agricultural Experiment Station, Palmer *Bull Inst Agric Sci* 41, 41 P. Map. May 1975

021472 100 M76 (1)
The demand for beef in Japan: an economic analysis and implications. Rachman, A; Wheeler, R O; Marsh, J M; Montana Agricultural Experiment Station *Bull Mont Agric Exp Stn Mont State Univ* 680, 31 P. July 1975

021473 100 N46S (1)
An analysis of indoor potted flowering plant purchase behavior [Marketing]. Jensen, F E; Kirschling, P J; New Jersey Agricultural Experiment Station *Bull N J Agric Exp Stn Coll Agric Environ Sci Rutgers Univ State Univ N J* 843, 44 P. Apr 1975

021474 100 M28S (1)
Utilization of production and marketing information by Maine potato producers. Pelsue, N H Jr; Maine Life Sciences and Agriculture Experiment Station *Bull Univ Maine Orono Life Sci Agric Exp Stn* 716, 16 P. Apr 1975

021475 68.38 C114
Internal commercialization of cocoa, an operational system of central cooperation of farmers in the south of Bahia. (Por) Landim, A D *Cacau Atual* 12 (1): 2-5. Jan/Mar 1975

021476 HD1401.C2
Canada's agricultural trade performance in 1974 and prospects beyond 1975. Lohoar, J S *Can Farm Econ* 10 (4): 20-27. Aug 1975

021477 281.8 C16
A model of the feed grain sector of Canadian agriculture [Price policies]. Kerr, T C; Eyvindson, R K *Can J Agric Econ* P. 31-50. Aug 1974

021478 281.8 C16
Price stabilization through deficiency payments [Swine]. Kennedy, G; Candler, W *Can J Agric Econ* 23 (2): 15-27. Ref. July 1975

021479 281.8 C16
Simulation model for grain transportation and handling rationalization on a regional basis. Tyrchniewicz, E W *Can J Agric Econ* P. 153-162. Ref. Aug 1974

021480 281.8 C16
The use of zero constraints in polynomial distributed lags [Swine supply]. Meilke, K D *Can J Agric Econ* 23 (2): 53-60. July 1975

021481 389.8 IC2
Impact of conversion to grade A on Federal Milk Orders [Prices, marketing]. Graf, T F *Dairy Ice Cream Field* 158 (10): 48-49, 84-86, 88-91. Oct 1975

021482 44.9 M382
Some thoughts about developments in the diary industry [Marketing policy, New Zealand]. Cartwright, R W *Dairyfarming Annu* 26th: 2-7. Apr 1975

021483 44.8 M736
Good prospects for marked articles [Dairy industry, trade]. (Ger) *Dtsch Milchwirtsch* 26 (37): 1320-1321. Sept 10, 1975

021484 44.8 M736
How will the intervention price rise on the butter market work? (Ger) Richarts, L E *Dtsch Milchwirtsch* 26 (35): 1181-1182. Aug 27, 1975

021485 44.8 M736
Marketing also in the dairy industry. (Ger) Disch, W K A *Dtsch Milchwirtsch* 26 (43): 1553-1556. Oct 22, 1975

021486 44.8 M736
Quality is not the cause of the decrease in cottage cheese consumption [in West Germany]. (Ger) Hesselmann, F *Dtsch Milchwirtsch* 26 (33): 1126-1128. Aug 13, 1975

021487 44.8 M736
The successful dairy production section [Trade]. (Ger) *Dtsch Milchwirtsch* 26 (38): 1352-1353, 1356-1357. Sept 17, 1975

021488 281.9 OH32
Land use shifts and increasing cereal grain output in E.C. [Common Market]. Barr, W; Ohio State University Cooperative Extension Service; Ohio State University Dept. of Agricultural Economics and Rural Sociology *E S M Ohio State Univ Dep Agric Econ Rural Sociol* 499, 17 P. Nov 1973

021489 HD1917.U8
Review of the agricultural situation in Europe at the end of 1974. Volume II. Dairy products, eggs [Production, consumption, trade, statistics]. Joint Fao/ece Agriculture Division *ECE/AGRI U N Jt FAO/ECE Agric Div* 16, 303 P. 1975

021490 HD1785.A1
World trade in oilseeds, oils and fats: past and prospects. Schmidt, S C *Econ Plann* 11 (5): 3-16. Ref. Sept/Oct 1975

021491 290.9 M57
Organization of container transport [of bottled beer]. (Hun) Csernatony, E; Niederleitner, K *Elelmez Ipar* 29 (8): 244-247. Eng. Sum. Aug 1975

021492 A281.9 AG83
Iran: agricultural production and trade. Kurtzig, M E; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 357, 51 P. Maps. Ref. Apr 1974

021493 A281.9 F76FM
Japan's fast-food industry: export potential for U.S. Products. Dwoskin, P B; Havas, N; U.S. Foreign Agricultural Service *FAS-M U S Foreign Agric Serv* 268, 12 P. Sept 1975

021494 A286.9 AG8
Ad valorem equivalent duty rates decline in 1974 [Imports]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 102-110. June 1975

021495 A286.9 AG8
Japan's market demand and competition in fiscal 1975. Greenshields, B L; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 54-59. Sept 1975

021496 A286.9 AG8
Leading markets for 1974 U.S. Agricultural exports [Statistics]. Breedlove, S E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 24-53. June 1975

021497 A286.9 AG8
Leading markets for U.S. Agricultural exports in fiscal 1975. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 40-63. Nov 1975

021498 A286.9 AG8
Prices of international significance. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 70-75. Sept 1975

021499 A286.9 AG8
Record farm product exports to European Community in 1974. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 12-23. June 1975

021500 A286.9 AG8
The booming Iraqi market for U.S. Farm products. Parker, J B; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 115-126. June 1975

021501 A286.9 AG8
U.S. Agricultural exports may total $22 billion in fiscal 1976. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 6-8. Sept 1975

021502 A286.9 AG8
U.S. Agricultural trade with Mexico, fiscal 1975. Link, J E; Cannon, C B; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 46-53. Sept 1975

021503 A286.9 AG8
U.S. Agricultural exports to Iran up dramatically in fiscal 1975. Kurtzig, M E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 60-66. Sept 1975

021504 A286.9 AG8
U.S. Agricultural trade as a share of production. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 67-69. Sept 1975

021505 A286.9 AG8
U.S. Agricultural trade with Canada, fiscal 1975: exports rise, imports decline. Bray, C E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 64-68. Nov 1975

021506 A286.9 AG8
U.S. Agricultural exports adjusted for transshipments, 1974[Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 75-81. Nov 1975

021507 A286.9 AG8
U.S. Export unit values decline. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 111-114. June 1975

021508 A286.9 AG8
U.S. Imports of fruits and vegetables under quarantine, fiscal 1975 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 76-94. Sept 1975

021509 A286.9 AG8
U.S. Trade with Central America. Link, J E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 40-45. Sept 1975

021510 A286.9 AG8
U.S.-People's Republic of China agricultural trade in fiscal 1975. Surls, F M; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 69-74. Nov 1975

021511 A286.9 AG8
Value of U.S. Agricultural exports expected to be lower in fiscal 1976. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 8-11. June 1975

57.8 F4123
Fertiliser marketing; need for a new concept. Heredia, F J *Fert News* 20 (8): 3-6, 19. Aug 1975

57.8 F4123
Review of fertiliser marketing situation in India in 1974-75. *Fert News* 20 (8): 7-9. Aug 1975

021512 384 C422
Marketing of animal fats. (Ger) Unkel, R *Fette Seifen Anstrichm* 77 (9): 328-330. Sept 1975

021513 80 W41
It could be cheaper to buy poinsettia [Euphorbia pulcherrima] cuttings. III. Moser, B C; Davis, S H; Durkin, D; Flannery, R L; Harrison, M R; Jensen, F E; Kirschling, P J; Peterson, J L; Roberts, W J; Et Al *Florists Rev* 157 (4061): 27-28. Oct 2, 1975

021514 A281.3689 F76
World coffee production in 1975/76 matches consumption needs [Statistics]. U.S. Foreign Agricultural Service *For Agric Circ Coffee FCOF (U S Dep Agric)* 4-75, 6 P. Oct 1975

021515 1.943 F117
U.S. Dairy trade deficit reduced in fiscal 1975 as exports gain and imports decline [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Dairy FD (U S Dep Agric)* 7-75, 16 P. Oct 1975

021516 A281.3689 F76T
Large world tea crop expected in 1974 [Production statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ FTEA U S Foreign Agric Serv* 3-75, 9 P. Oct 1975

021517 A281.9 F76FO
Agriculture and the MTN [Multilateral Trade Negotiations]. Koenig, E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 9-10. Dec 15, 1975

021518 A281.9 F76FO
Argentina's wheat exports may be highest in a decade. Rudbeck, J P; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 6-7. Jan 12, 1976

021519 A281.9 F76FO
Australia sees sharp competition in Japan meat market. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 16. Nov 24, 1975

021520 A281.9 F76FO
Australian grains stage rally as rains finally arrive [Exports]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 2-3. Jan 5, 1976

021521 A281.9 F76FO
Australian sheepmen view Mideast as growing market. Dirks, H J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 2-4. Dec 1, 1975

021522 A281.9 F76FO
Australia's cattle problem: low prices, larger herds [Demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 11-12. Jan 5, 1976

021523 A281.9 F76FO
Butz sees trade growth in East Europe, Mideast. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 2-3. Dec 15, 1975

021524 A281.9 F76FO
Canada's grape growers plant improved varieties [Marketing]. Myles, G C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 12. Jan 12, 1976

021525 A281.9 F76FO
Changing eating habits lift potato product trade. Knapp, R D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 5-6, 16. Dec 8, 1975

021526 A281.9 F76FO
Cocoa output emphasized in Nigeria. Oniha, O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 12. Dec 22, 1975

021527 A281.9 F76FO
Controversy flares over Canada's grain "Crow Rate". Austin, L A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 11. Dec 15, 1975

021528 A281.9 F76FO
Cotton sales skid cuts U.S. Exports to Hong Kong. Champeau, H C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 6-8, 16. Dec 22, 1975

021529 A281.9 F76FO
Cotton weathers the crisis [Supply, demand]. Stevenson, J H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 3-5. Dec 15, 1975

021530 A281.9 F76FO
Demand for U.S. Wheat expanding in Caribbean area. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 16. Dec 15, 1975

021531 A281.9 F76FO
Dry weather retarding USSR winter grains [Production]. Neetz, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 13. Nov 24, 1975

021532 A281.9 F76FO
Egypt looks to Western world for more farm products [Imports]. Parker, J B Jr; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 6-7, 12. Jan 19, 1976

021533 A281.9 F76FO
European Community's use of vegetable oils gaining over animal fats [Consumption]. Tinklepaugh, W C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 8-9. Jan 19, 1976

021534 A281.9 F76FO
European potato crops decline [Production]. Knapp, R D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 7. Dec 8, 1975

021535 A281.9 F76FO
France's grain crops down, but exports may be higher. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 4-5. Nov 24, 1975

021536 A281.9 F76FO
French curtail, shift cotton import trade. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 10-11. Jan 5, 1976

021537 A281.9 F76FO
Grain [production] shortfall underlines weather's impact in USSR. Neetz, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 11-13. Nov 24, 1975

021538 A281.9 F76FO
How Canada markets wheat: government is in charge. Severin, R K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 10-11. Dec 8, 1975

021539 A281.9 F76FO
India's coffee production and exports trending up. Thadani, J A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 8-9. Jan 5, 1976

021540 A281.9 F76FO
Indonesia's rising incomes strengthen demand for meat. Atmadilaga, D; Sorensen, D K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 10-11. Dec 1, 1975

021541 A281.9 F76FO
Japan to take 300 Ontario hogs per week [Marketing]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 12. Jan 5, 1976

021542 A281.9 F76FO
Liberia to increase imports of U.S. Rice. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 12. Dec 22, 1975

021543 A281.9 F76FO
Libya accents production of meat, milk. Steiner, H H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 5-6. Jan 5, 1976

021544 A281.9 F76FO
Marketing problems force cut in world tomato harvests. Uyeshiro, R Y; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 6-7. Dec 29, 1975

021545 A281.9 F76FO
Mexican grain crops recover from 1974/75 lows [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 5. Jan 19, 1976

021546 A281.9 F76FO
Modest recovery seen in '76 for U.S. Fats and oils exports. Holz, A E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 2-3, 16. Dec 22, 1975

021547 A281.9 F76FO
Most foreign food price rises exceed U.S. Increases. DiCostanzo, S R; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 8-9. Dec 8, 1975

021548 A281.9 F76FO
New Soviet plan stresses slower livestock gains [Production]. Schoonover, D M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 2-4, 12. Jan 19, 1976

021549 A281.9 F76FO
Nigeria to import meat, build cattle sector. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 9. Jan 19, 1976

021550 A281.9 F76FO
No transport crunch yet for record U.S. Grain exports. Pollock, D D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 2-4, 20. Dec 29, 1975

021551 A281.9 F76FO
Pakistani edible oil imports rise, but U.S. Share slips. Mahmood, A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 7-8. Dec 15, 1975

021552 A281.9 F76FO
Pakistani wheat output up; sufficiency not imminent. Mahmood, A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 10-11. Dec 22, 1975

021553 A281.9 F76FO
Peru boosts poultry output, U.S. Feedgrain imports. Ferree, P J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 12. Dec 15, 1975

021554 A281.9 F76FO
Philippine coconut output soars, as prices tailspin [Demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 4. Jan 5, 1976

021555 A281.9 F76FO
Philippine wheat imports to rebound in 1975/76. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 8. Dec 29, 1975

021556 A281.9 F76FO
Port of Galveston marks 150th anniversary [U.S. Agricultural exports]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 8-9. Dec 22, 1975

021557 A281.9 F76FO
Protectionism in beef trade. Bell, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 5. Dec 29, 1975

021558 A281.9 F76FO
Record '76 output should help stabilize world sugar trade. Patty, G E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 10. Nov 24, 1975

021559 A281.9 F76FO
Rising affluence ups demand for U.S. Feeds in Venezuela. Willis, J W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 6-7. Dec 15, 1975

021560 A281.9 F76FO
Some easing seen in world grain situation [Supply]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 5, 16. Jan 12, 1976

021561 A281.9 F76FO
Soviet cotton crop ends run of records [Production]. Byrne, A O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 7. Jan 12, 1976

021562 A281.9 F76FO
Soviet distress slaughter [of hogs and poultry brought about by the poor grain crop] down from September high [Production]. Byrne, A O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 13. Jan 12, 1976

021563 A281.9 F76FO
Turkey cuts cotton acres, production sharply. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 11. Jan 12, 1976

021564 A281.9 F76FO
U.S. Agricltural exports—"a national asset". Hume, D L; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 2-3, 16. Nov 24, 1975

021565 A281.9 F76FO
U.S. Cotton policy outlined at international meeting [Marketing]. Stevenson, J H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 6-7. Jan 5, 1976

021566 A281.9 F76FO
U.S. Honey prices firm despite larger imports. Patty, G E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 12. Dec 8, 1975

021567 A281.9 F76FO
U.S. Soybean, meal exports to stage comeback in 1976. Holz, A E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 2-4, 16. Dec 8, 1975

021568 A281.9 F76FO
USSR-East European grain market. Bell, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 5, 16. Dec 1, 1975

021569 A281.9 F76FO
World tea output to show slight increase in 1975. Dull, R E T; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 5-6. Dec 22, 1975

021570 A281.9 F76FO
Yugoslav food import needs lowered. Lambert, M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 16. Jan 19, 1976

021571 298.8 M292
Suggestion on the modernization of mixed feed transportation. (Hun) Czekus, G; Szittar, Mrs L; Denes, L; Jezernik, R *Gabonaipar* 22 (5): 183-187. 1975

021572 S27.A3
How the agricultural supply sector is changing in the GreatPlains. Preston, H J; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 83-95. 1975

021573 S27.A3
Impact of transportation of agricultural inputs and products on rural development in the Great Plains. Baumel, C P; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 52-69. Ref. 1975

021574 26 H27
Relative advantages enjoyed by Kibbutz industry [collectivefarm] in the free trade between Israel and the Common Market. (Heb) Magen, Z *Hassadeh* 56 (1): 7-8. Oct 1975

021575 26 H27
Unreliable advertisements relating to the cattle branch. (Heb) Shapira, D *Hassadeh* 56 (1): 88-90. Oct 1975

021576 SF391.H6
Pig prices drop with market price. Bitney, L L *Hog Farm Manage* 12 (12): 24, 27. Dec 1975

021577 TP371.8.P357 1974
Consumer attitudes towards food irradiation in the Netherlands. Kooij, J G van *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 203. 1974 (Pub. 1975)

021578 TP371.8.P357 1974
Public acceptability of food irradiation. Propstl, G *In Requirements for the Irradiation of Food on a Commercial Scale. Proceedings of a Panel* P. 159-166. 1974 (Pub. 1975)

021579 44.8 IN282
Problems concerning production of dairy machinery for use within the country and their export. Shah, V H *Indian Dairym* 27 (7): 267-271. July 1975

021580 S544.5.I5152
Consumers' responses to high yielding varieties of rice. Choukidar, V V; George, P S *Indian J Ext Educ* 11 (1/2): 44-48. Ref. Jan/-June 1975

021581 SF481.I55
Egg marketing. Pal, R S *Indian Poult Rev* 6 (19): 718-718b. May 16, 1975

021582 102.5 P413
Economic aspects of peanuts [Marketing, trade, Argentina]. (Spa) Coscia, A *Inf Tec Argent Repub Estac Exp Agropecu Pergamino* 129, 35 P. Ref. Eng. Sum. Jan 1975

021583 41.8 IR4
The technology of fresh meat marketing. Hood, D E *Ir Vet J* 29 (9): 139-143. Ref. Sept 1975

021584 HD9000.A1J68
Evaluating food service productivity by accurate measurements. Bragg, E R; Freshwater, J F *J Food Distrib Res* 6 (3): 16-19. Sept 1975

021585 HD9000.A1J68
Food distribution research priorities to allow major improvements in total systems productivity by 1985: overview. Cain, J L *J Food Distrib Res* 6 (2): 3-5. July 1975

021586 HD9000.A1J68
Food distribution research priorities to allow major improvements in total system productivity by 1985: food retailing. Norwood, L F *J Food Distrib Res* 6 (2): 6-10. July 1975

021587 HD9000.A1J68
Food distribution research priorities to allow major improvements in total systems productivity by 1985: food wholesaling. Runyan, J L; Bouma, J C; Peck, G E *J Food Distrib Res* 6 (2): 11-12. July 1975

021588 HD9000.A1J68
Food distribution research priorities to allow major improvements in total system productivity by 1985: food processing. Van Meir, L; Cain, J *J Food Distrib Res* 6 (2): 16-18. July 1975

021589 HD9000.A1J68
Improving ice cream deliveries to retail and institutional outlets. Mongelli, R C *J Food Distrib Res* 6 (3): 2-8. Sept 1975

021590 HD9000.A1J68
On the conduct of in-store field experiments [Food marketing]. Curham, R C *J Food Distrib Res* 6 (3): 9-15. Sept 1975

021591 HD9000.A1J68
Traditional marketing functions in the food industry—2000 A.d. Cain, J L *J Food Distrib Res* 6 (3): 20-27. Sept 1975

021592 HD9000.A1J68
Transportation issues affecting productivity in the food industry. Soslow, N G; Kriebel, W R *J Food Distrib Res* 6 (2): 13-15. July 1975

021593 389.78 K85
Development of the world feed market. (Ger) Schug, W *Kraftfutter* 58 (12): 496, 501. Dec 1975

021594 389.78 K85
Situation of the mixed feed market and animal production. (Ger) Burckhardt, K *Kraftfutter* 58 (11): 432, 434. Nov 1975

021595 49 B462
In 1980 Brazil will be able to export 500,000 tons of beef. (Fre) Laloux, T *L'elevage* 44: 76-79, 81, 83, 85. Map. Oct 1975

021596 49 B462
What rabbit [meat] sells the best? Analysis of consumer behavior. (Fre) Mazenc, L *L'elevage* 45: 113, 115-116. Nov 1975

021597 275.28 M36
Sophistication in grain marketing. Crothers, J L Jr; Maryland University Cooperative Extension Service *Md Poultryman* P. 2-5. Dec 1975

021598 8 M5762
Measures taken for strengthening the Mexican economy [Exports]. (Spa) *Mex Agric* 22 (256/257): 15-17. June/July 1975

021599 8 M5762
New prices for bread and tortillas. (Spa) *Mex Agric* 22 (254/255): 8-9. Apr/May 1975

021600 275.29 M58A
Weather and farm prices. Black, R; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 394: 1-3. Nov 1975

021601 44.8 M5998
Economical sales system for dairy packaging. (Ger) Larson, T *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 141-143. Aug 1975

021602 166.2 N47
FAR-MAR-CO [farmers marketing cooperative] implementing producer wheat marketing system. Ingalsbe, G; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 4-7. Oct 1975

021603 166.2 N47
Packing peaches will never be the same in southeast Missouri [Marketing cooperatives]. Williams, R; Brown, P F; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 10-11. Oct 1975

021604 280.9 OX2B
Marketed surplus in Indian agriculture: theory and practice. Ghatak, S *Oxf Bull Econ Stat* 37 (2): 143-153. Ref. May 1975

021605 SB401.P4P4
Competition in marketing domestic tree nuts. Powell, J V *Pecan South* 2 (5): 198-202, 209. Sept 1975

021606 SB401.P4P4
Substitutes? Overcoming competition! [Pecans, marketing]. Rawlins, D E *Pecan South* 2 (5): 210-212. Sept 1975

021607 46.8 P623
Direct selling of pork. Strother, J *Pig Farming* 23 (11): 73-75. Nov 1975

021608 46.8 P623
Production at crossroads [Pork, Marketing]. Rickard, R *Pig Farming* 23 (11): 45, 47, 49. Nov 1975

021609 46.8 P623
What the consumer thinks [Pork]. Lesser, D *Pig Farming* 23 (11): 50-52. Nov 1975

021610 1.9 EC752F PES
Prices and price spreads for turkeys in November and December. Blase, K E; Lesesne, S F; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* 284: 26-27. Nov 1974

021611 43.9 N212
Direct mail marketing [agricultural products]. Bird, S *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 89-93. 1974

021612 43.9 N212
Milk marketing and the dairy cow of tomorrow. McLaughlin, G R *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 47-52. 1974

021613 43.9 N212
Non-brand or [dairy] industry advertising. Ryan, H T *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 84-88. 1974

021614 43.9 N212
Producing and marketing Canada's beef in a North American community. Gracey, C A *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 53-61. 1974

021615 23 AG82S
Bridging the gap between theoretical and real world marketing [Agricultural industry]. Fayed, R *Proc Annu State Conf Agric Bur NSW* 50th: C1-C6. 1974

021616 23 AG82S
World protein situation with particular reference to the future for Australian meat exports. Joseph, A *Proc Annu State Conf Agric Bur NSW* 50th: BB1-BB5. 1974

021617 49.9 N483
Beef market specifications as they affect the producer. Bremner, J P *Proc N Z Soc Anim Prod* 34: 241-246. 1974

021618 49.9 N483
Business and management problems between killing and final production sales [Beef]. Trounce, R H *Proc N Z Soc Anim Prod* 34: 247-253. 1974

021619 49.9 N483
Crises, consequences and challenges for the New Zealand animal production industry [Demands, markets]. Clark, V R *Proc N Z Soc Anim Prod* 34: 1-10. 1974

021620 SF95.N6
World protein supplies [Feed production]. Rutherford, B M *Proc Nutr Conf Feed Manuf* 8th: 3-23. 1974

021621 281.9 B87
Beef: to export is to adapt itself. (Fre) Trehiou, P *Prod Agric Fr* 51 (176): 18-20. Sept 15, 1975

021622 281.9 B87
Trumps of French animal husbandry in a conjuncture favorable to export. (Fre) *Prod Agric Fr* 51 (176): 30-31. Sept 15, 1975

021623 28 IN83P
Manual on storage centers [Agricultural product distribution, marketing, Peru]. (Spa) Oballe de Espada, A; Torrealba, J P; Torres, H A *Publ Misc Interam Inst Agric Sci* 116, 48 P. Ref. Mar 1974

021624 S537.M3A24
World grain trade and other factors influencing U.S. Beef production. Early, S; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 17-18. Feb 1975

021625 S1.U7
Cost of wholesale milk distribution in urban Utah. Christensen, R A; Palmer, F W; Davis, L H; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 22, I.e. 23, 37 P. July 1975

021626 S1.U7
Cost of wholesale milk distribution in urban Utah. Christensen, R A; Palmer, F W; Davis, L H; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 23, 37 P. July 1975

021627 280.8 R3225
Models of supply of agricultural products [Supply and demand]. (Por) Monteiro, M J C *Rev Bras Econ* 29 (2): 16-49. Ref. Apr-/June 1975

021628 9.2 C332
Analysis of garlic supply in Minas Gerais from 1948 to 1970 [Supply and demand, prices]. (Por) Rojas, M B; Teixeira Filho, A R; Penna, J A; Barbosa, T *Rev Ceres* 22 (121): 159-177. Ref. Eng. Sum. May/June 1975

021629 9.2 C332
Costs and margins in the marketing of agricultural products in the Zona da Mata, of Minas Gerais. (Por) Silva, A J da; Silva, J L e; Teixeira Filho, A R; Sousa, A F de *Rev Ceres* 22 (121): 194-211. Ref. Eng. Sum. May/June 1975

021630 43.8 R32
Aspects of cattle marketing [Brazil]. (Por) Reis, J C G dos; Chapchap, A *Rev Criad* 45 (545): 13-15. June 1975

021631 43.8 R32
Sugar, new king of the export market. (Por) Ettori, O S T *Rev Criad* 45 (540): 34-36. Jan 1975

021632 286.8 N47M
Forecasting crop quality [Sugarcane, price-quality schemes, statistical analysis]. Ryland, G J *Rev Mark Agric Econ N S W Dep Agric Div Mark Agric Econ* 43 (2): 88-103. Ref. June 1975

021633 9.4 R32
Need of increasing fruit culture [Cost, prices, productive capacity, Colombia]. (Spa) *Rev Nac Agric* 68 (812): 6-9. Feb 1975

021634 424.8 R34
Subvention of sugar for honey bees as a European marketing problem. (Ger) Netekoven, *Rheinische Bienenztg* 126 (12): 360-362. Dec 1975

021635 SF1.R54
The "meat deficit" in the commercial balance [Supply and demand]. (Ita) Falaschini, A *Rilancio Agric Vet Zootec* 6 (7): 18-19. 1974

021636 80 SCH9
Propaganda for eastern Swiss wine, more current than ever! [Marketing]. (Ger) Wackerlin, O *Schweiz Z Obst Weinbau* 111 (21): 555-559. Oct 4, 1975

021637 100 P381S
Effects of milk [price] control studied in 83 markets. Hallberg, M C; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 16. Fall 1975

021638 100 G29SO
Spatial price differentials for corn. Sappington, C B; Hill, L D; Baldwin, E D; Mississippi Agricultural Experiment Station; Arkansas Agricultural Experiment Station; Louisiana Agricultural Experiment Station; U.S. Soil Conservation Service *South Coop Ser Bull* 196, 27 P. Maps. Jan 1975

021639 60.38 SO9
Storage becomes a marketing alternative. IV. [Soybeans]. *Soybean Dig* 35 (13): 6-7. Oct 1975

021640 60.38 SO9
They've come a long way [Soybeans, prices]. *Soybean Dig* 35 (13): 10-12. Oct 1975

021641 1.9 ST2F SUPPL.
Jute and kenaf production down in 1975-76. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 10-11. Nov 1975

021642 1.9 ST2F SUPPL.
Record world sugar and molasses production in 1975/76. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 20-26. Nov 1975

021643 1.9 ST2F SUPPL.
World cottonseed production down, oil and meal exports to decline in 1976. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 1-5. Nov 1975

021644 1.9 ST2F SUPPL.
World flaxseed production and exports. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 16-19. Nov 1975

021645 1.9 ST2F SUPPL.
World hops crop dips [Production]. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 6-7. Nov 1975

021646 1.9 ST2F SUPPL.
World production of peanuts up. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 12-15. Nov 1975

021647 1.9 ST2F SUPPL.
World walnut crop up [Production]. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 8-9. Nov 1975

021648 1.9 ST2F SUPPL.
World wool production in 1975. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 27-28. Nov 1975

021649 49 T445
Price of piglets in focus. (Ger) *Tierzuchter* 27 (11): 492-493. Nov 5, 1975

021650 49 T445
Quality production of lamb meat from the market economic view. (Ger) Thiele-Wittig, H C *Tierzuchter* 27 (11): 489-491. Nov 5, 1975

021651 AHG3810.A2U5
World monetary conditions in relation to agricultural trade. Atkinson, L J; Manfredi, E; Vellianitis-Fidas, A; U.S. Dept. of Agriculture Economic Research Service *U S Dep Agric Econ Res Serv WMC* 9, 30 P. Nov 1975

021652 64.8 Z12
Some questions on the rationalization of cereal consumption. (Cze) Hucko, J *Uroda* 23 (4): 121-123. Apr 1975

021653 SF191.W6
The economic problems of milk schemes in developing countries [Marketing]. Fenn, M G; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 21-26. 1975

021654 65.8 D48
Considerations on the supply crisis of 1974/75 [Sugar industry]. (Ger) Viton, A *Z Zuckerind* 25 (11): 626-628. Nov 20, 1975

021655 65.8 D48
Sugar market policy from the point of view of German sugar commerce. (Ger) Rehme, P *Z Zuckerind* 25 (11): 628-633. Nov 20, 1975

021656 65.8 Z82
Sugar market policy from the view of the German sugar trade. (Ger) Rehme, P *Zucker* 28 (11): 620-625. Nov 1975

021657 65.8 Z82
Views in a time of crisis [Sugar industry, marketing]. (Ger) Viton, A *Zucker* 28 (11): 625-627. Nov 1975

STATISTICAL DATA AND METHODOLOGY

021658 281.9 C81A
A regional summary of United States farming [Statistics]. Sisler, D G; Kramer, J M; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-2, 85 P. Map. Mar 1975

021659 S671.A2
Analytical proof of Pascal's theorem extended to the rational normal curve K4 in the projective space P4 [Methodology]. (Slo) Novotny, S *Acta Technol Agric* 14: 225-231. Eng. Sum. 1975

021660 265 H462
Agricultural census in 1971/72. 8. Viticultural survey in 1972/73. (Ger) *Beitr Stat Hessens* (New Ser.) 55, 85 P. 1975

021661 281.8 C16
A regional model for the analysis of agricultural production and agricultural service industry interrelationships. Framingham, C; Craddock, W *Can J Agric Econ* 53 (19): 163-176. Aug 1974

021662 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. (Fre) Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/2, 17 P. May 1975

021663 A281.9 AG83
Agricultural statistics of Eastern Europe and the Soviet Union 1950-70. Miller, C E; Byrne, A O; Collins, H C; Vankai, T A; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 349, 106 P. June 1973

021664 A281.9 AG83
Indices of agricultural production in Africa and the Near East, 1964-73 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 365, 60 P. Map. June 1974

021665 A281.9 AG83E
Custom farm services in the United States: status and potentials [Statistics]. Irwin, G D; Penn, J B; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 583, 47 P. Ref. Mar 1975

021666 A281.9 AG8F
Collecting agricultural statistics in the Soviet Union. Pope, F Jr; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 112, 24 P. Nov 1975

021667 A281.9 AG8F
Structural changes in West European agriculture, 1950-70 [Gross Agricultural Product]. Breitenlohner, C A; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 114, 49 P. Ref. Nov 1975

021668 281.9 N762
Mathematical model for profit development in a sector of agriculture [Statistical methods]. (Nor) Ostmoe, J H; Rokholt, P O *Memo Nor Landbrukshogsk Inst Driftslaere Landbruksokom* 70, 107 P. Ref. 1975

021669 HD1940.H8A23
Agricultural data for 1974. IV [Statistics, Hungary]. (Hun) *Mezogazd Adatok Kozponti Statisztikai Hivatal* 339, 150 P. Feb 27, 1975

021670 HD1940.H8A23
Agricultural data for 1975. I [Statistics, Hungary]. (Hun) *Mezogazd Adatok Kozponti Statisztikai Hivatal* 350, 126 P. July 16, 1975

021671 28 IN83P
Agricultural regionalization: methods, uses and problems [Regional analysis]. (Spa) Aguirre, J A *Publ Misc Interam Inst Agric Sci* 120, 42 P. Ref. 1975

021672 100 AR42R
1974 agricultural statistics for Arkansas. Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 221, 40 P. Maps. July 1975

021673 100 OK4M
A user's guide to the Econometric Analysis System (EAS) [Economics, statistical methods, computer programs]. Just, R E; Fletcher, S M; Oklahoma Agricultural Experiment Station *Res Rep P Okla Agric Stn* 729, 80 P. Ref. Nov 1975

100 M693SP
Population change and net migration in the North Central States, 1960-70. McNamara, R L; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 169, 61 P. Maps. Oct 1974

021674 290.9 AM32T
Bridge the gap with mathematics and computers [in agriculture]. Huang, B K *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 985-994, 1000. Ref. Sept/Oct 1975

OUTLOOK, POLICIES, PROGRAMS AND LEGISLATION

021675 281.9 C81AE
A descriptive study of the New York Capital District vegetable industry, 1974. Pillemer, E; Good, D; Minges, P; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Ext Dep Agric Econ N Y State Coll Agric Contract Coll State Univ Cornell Univ* 75-22, 33 P. Maps. Sept 1975

021676 281.9 C81A
Land use legislation in the Northeast: New Hampshire. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-13, 67 P. Sept 1975

021677 281.9 C81A
Land use legislation in the Northeast: Maine. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-12, 36 P. Sept 1975

021678 80 AC82
Policy decision making for the horticultural industry in Kenya. Zelenka, A T *Acta Hortic* 49: 17-21. July 1975

021679 HD1940.C95A1
Legal nature of the agricultural cooperative and its specialities as an enterprise. (Cze) Suba, S *Acta Univ Agric, Fac Agroecon* 10 (4): 339-345. Eng. Sum. 1974

021680 HD1538.A31A4
The evolution of alternative rural development strategies in Ethiopia: implications for employment and income distribution. Tecle, T *Afr Rural Employment Pap Mich State Univ Dep Agric Econ* 12, 113 P. Map. Ref. 1975

021681 281.8 AG826
Public expenditures for agriculture in France and West Germany [Policies]. (Ger) Schmidt, P; Schmitt, G *Agrarwirtschaft* 24 (5): 117-128. Ref. Eng. Sum. May 1975

021682 HD107.N68
An introduction to easements [Land-oriented legal problems, lignite resources]. Johnson, J E; Beck, R E; La Grave, C W *Agric Econ Misc Rep N D State Univ Dep Agric Econ* 19, 7 P. July 1975

021683 A281.9 AG8A
Alternative futures for nonmetropolitan population, income, employment, and capital [Rural development]. Edwards, C; DePass, R; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 311, 56 P. Nov 1975

021684 30.98 AG8
Farmers and the immigration act of 1924. Wang, P H *Agric Hist* 49 (4): 647-652. Ref. Oct 1975

021685 30.98 AG8
Legislation to revive small farming in England 1887-1914. Bone, Q *Agric Hist* 49 (4): 653-661. Ref. Oct 1975

021686 TP368.A4
Total reform of the food law and food research. (Ger) Simon, R *Alimenta* 14 (6): 199. Nov/Dec 1975

424.8 AM3
A beekeeper's right to keep bees lawfully on property, over a neighbor's objections [Legislation]. Bailey, N E *Am Bee J* 115 (12): 474-475, 490. Dec 1975

021687 9 SO1
Considerations on the preliminary plan of the agricultural law [Legislation, land expropriation, Argentina]. (Spa) Barcia Bermudez, A H *An Soc Rural Argent* 109 (1/2): 16-19. Jan/Feb 1975

021688 389.8 AN72
Legislation on rum and its chemical constitution. (Fre) Cavazza, G *Ann Falsif Expert Chim* 68 (733): 397-409. Ref. Sept 1975

021689 Z5074.E3C6
Chinese agriculture and rural society [Policies, production]. Broadbent, K P ed *Annot Bibl Commonw Bur Agric Econ* 30, 38 P. 1974

021690 Z5074.E3C6
EEC (European Economic Community) agricultural policy. IV. Reform proposals in the enlarged community [Bibliography]. Kestner, J *Annot Bibl Commonw Bur Agric Econ* 29, 33 P. 1975

021691 Z5074.E3C6
EEC [European Economic Community] agricultural policy. III. International trade [Bibliography]. Kestner, J comp *Annot Bibl Commonw Bur Agric Econ* 16 (Suppl. A), 10 P. Ref. 1974

021692 A284.9 ST1
Prairie Village, [Kansas], Commodity Office operations [Commodity Credit Corporation]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 7, 3 P. Nov 1975

021693 A284.9 ST1
Production adjustment programs [Agriculture and Consumer Protection Act of 1973]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 5, 8 P. Dec 1975

021694 281.8 AU74
Agricultural policy advice and the public inquiry process. Mauldon, R G *Aust J Agric Econ* 19 (2): 69-80. Aug 1975

021695 390.8 B732
Beer labeling from the competitive legal view. (Ger) Merz, F *Brauwelt* 115 (48): 1605-1606. Nov 27, 1975

021696 390.8 B732
Labeling diet beer according to the diet ordinance. (Ger) Drawert, F; Hagen, W; Leupold, G *Brauwelt* 115 (49): 1638-1640. Ref. Dec 4, 1975

021697 100 C76ST (1)
Science and the world food problem. Evenson, R E; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 758, 9 P. Map. Ref. 1975?

021698 410.9 EC7
Agricultural ecology [Food production activities in the context of the world ecosystem]. Cox, G W; Atkins, M D *Bull Ecol Soc Am* 56 (3): 2-6. Ref. Sept 1975

100 W27E
Problems in the management of the National School Lunch Program in Washington school districts. Price, D W; Price, D Z; Womach, J; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 817, 19 P. Oct 1975

021699 281.8 C16
A critique of J. W. Willett's paper "The ability of the developing countries to meet their own agricultural needs in the 1980's". Willis, T G *Can J Agric Econ* 53 (19): 265-268. Aug 1974

021700 281.8 C16
A spatial model for analysis of the Canadian livestock-feedand livestock product sectors [Policy changes]. Graham, J D; Winter, G R *Can J Agric Econ* P. 51-74. Aug 1974

021701 281.8 C16
Notes on the interlake FRED [Fund for Rural Economic Development] evaluation approach [Policies]. MacMillan, J A *Can J Agric Econ* P. 177-183. Ref. Aug 1974

021702 281.8 C16
Opportunities and tools for agricultural economists in the 1980's. St Louis, R *Can J Agric Econ* P. 343-357. Ref. Aug 1974

021703 281.8 C16
Point of no return [Economic policy]. Hurtig, M *Can J Agric Econ* P. 296-319. Aug 1974

021704 281.8 C16
The ability of the developing countries to meet their own agricultural needs in the 1980's. Willett, J W *Can J Agric Econ* P. 249-264. Aug 1974

021705 281.8 C16
The ability of the developed countries to produce in excess of their needs [Agricultural outlook]. Warley, T K *Can J Agric Econ* P. 269-294. Aug 1974

021706 281.8 C16
The world food needs of the 1980's. Framingham, C F *Can J Agric Econ* P. 218-241. Map. Aug 1974

021707 281.8 C16
World food needs of the 1980's by Charles Framingham. A comment. Hedley, D D *Can J Agric Econ* P. 242-248. Aug 1974

021708 389.9 F735CONC
Eighteenth session, Rome, November 1975. Programme for the 1980 world census of agriculture. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/28, 121 P. July 1975

021709 80 C852
The Massachusetts cranberry crop potential for 1975. Norton, J S *Cranberries* 40 (3): 5. July 1975

021710 SF191.D3
Will there be 50% fewer dairymen by 1984? [Outlook]. *Dairy Herd Manage* 12 (12): 6-10. Dec 1975

021711 44.9 M382
Agricultural trade unionism: some comments on the proposed legislation [New Zealand]. Williams, A *Dairyfarming Annu* 26th: 70-74. Apr 1975

021712 44.8 M736
Position and development of the dairy industry in the Rhineland Palatinate. (Ger) Horneff, W *Dtsch Milchwirtsch* 26 (36): 1233-1235. Sept 3, 1975

021713 44.8 M736
Practical application of legal food obligation. (Ger) Borneman, P *Dtsch Milchwirtsch* 26 (37): 1309-1310. Sept 10, 1975

021714 HD1945.A1E2
Everything is all right [Agricultural policies]. (Fre) Guillemot, J *Econ Agric* 29 (11): 7. Nov 1975

021715 A281.9 AG83E
The new politics of food. Schertz, L P; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 619, 14 P. Nov 1975

021716 TX341.F3
Progress of the agricultural economy in 1975. Kearney, B *Farm Food Res* 6 (4): 88-90. July/Aug 1975

021717 S19.F37
Agicultural development after independence. Singh, C R *Farmer Parliament* 10 (5): 13-16, 25-28. May 1975

021718 ATX341.F615
Elizabeth Friar: Energetic lady directs volunteer services; Michigan volunteer program encourages communities to find ways to help the needy through food stamps. Forte, R; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 2-5. Dec 1975

021719 ATX341.F615
How two lunch programs save money [in Oklahoma and New Jersey]. Rhodes, R J; D'Arrezo, C M; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 8-10. Dec 1975

021720 ATX341.F615
Salvation Army provides a center for food programs. Lonsbury, J; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 12-13. Dec 1975

021721 19 F75
Agriculture and forestry in 1980/1985. (Ger) Schneider, M *Forderungsdienst* 23 (1, Special Number): 5-40. Aug 1975

021722 A281.9 F76FO
Brazil determined to make comeback from coffee freeze. Rourk, J P; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 2-4, 11. Jan 12, 1976

A281.9 F76FO
British find adjusting to EC [European Community] food laws difficult. Stenswick, L E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 8-9. Dec 1, 1975

021723 A281.9 F76FO
Development program boosts farm output in south Italy. Geerken, F K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 8-9. Jan 12, 1976

021724 A281.9 F76FO
FAO conference report: New trends take shape [Programs]. Phillips, R W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 10. Jan 12, 1976

021725 A281.9 F76FO
Peru's agricultural reform program picks up headway. Ferree, P J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 10-11. Jan 19, 1976

021726 A281.9 F76FO
Turkey expanding, updating cotton spinning sector. Baser, M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 7-8, 16. Dec 8, 1975

021727 A281.9 F76FO
U.S., USSR set plans for 1976 in agricultural cooperation. Euler, R S; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 4. Dec 22, 1975

021728 99.8 F7724
The Bavarian constitutional court of law on the equestrian problem [Nature protection]. (Ger) Niesslein, E *Forst Holzwirt* 30 (18): 339-341. Sept 25, 1975

021729 80 F9493
Fruit culture in the European Economic Community [Programs]. (Fre) Driesprong, C *Fruit Belg* 43 (371, Special No.): 200-201. Third Quarter 1975

021730 S27.A3
A conceptual framework for rural development. Gessaman, P H; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 1-18. 1975

021731 S27.A3
Applying Federal rural development programs to Great Plains conditions. Hady, T F; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 96-104. 1975

021732 S27.A3
Development potentials of the Northern Great Plains: a panel. Daves, T; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 136-140. Map. 1975

021733 S27.A3
Factors affecting rural development in the [Great] Plains: a panel. Baker, M; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 113-116. 1975

021734 S27.A3
Government programs for the farming economy in the Great Plains. Tweeten, L; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 19-51. Ref. 1975

021735 S27.A3
Major problems in rural development unique to the Great Plains: a panel. Lewis, G D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 108-112. 1975

S27.A3
Physical potentials, projections, and problems in natural resource development: a panel. Schutz, W D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 117-128. 1975

021736 S27.A3
Problems unique to the Great Plains as related to rural development: a panel. Hertsgaard, T; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 105-107. 1975

021737 S27.A3
Rural development in the Great Plains: problems and potentials. Seminar of the Great Plains Resource Economics Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. Badger, D D ed; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75, 140 P. Map. Ref. 1975

021738 S27.A3
Rural development and quality of life in the Great Plains: a panel. Nayes, L M; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 70-75. 1975

021739 S27.A3
Rural development and quality of life in the Great Plains: a panel. Gomez, B; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 76-82. 1975

021740 S27.A3
Rural development in areas of the Great Plains with declining natural resources: a panel. Young, K B; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 129-135. 1975

021741 17 SCH9
Adjustment of agricultural production to the level of natural production conditions and requirements of the nation. (Ger) Reichling, R *Grune* 103 (49): 8-13. Dec 5, 1975

021742 TP371.8.P357 1974
Petitions and clearances for irradiated food items: implementation of legislative requirements in marketing tests [Israel]. Eisenberg, E; Foa, E; Lapidot, M; Padova, R; Rosenberg, K; Ross, I *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 61-68. Ref. 1974 (Pub. 1975)

021743 HD58.R58
Community planning and decision making to attract industry [for rural areas]. Wadsworth, H A *In Rural Industrialization Problems and Potentials* P. 61-67. 1974

021744 HD58.R58
Company officials and community leaders [Rural development programs]. Holt, K; Pratt, J *In Rural Industrialization Problems and Potentials* P. 119-126. 1974

021745 HD58.R58
Corporate and community decision making for locating industry [Rural development]. Ginthner, J D; Lindow, H E; Hornberger, G A; Shively, R W *In Rural Industrialization Problems and Potentials* P. 79-93. 1974

021746 HD58.R58
Effects of rural industrilization on labor demand and employment. Peterson, J M *In Rural Industrialization Problems and Potentials* P. 108-118. 1974

021747 HD58.R58
Factors determining the location of industrial activity [Rural areas]. Hansen, N M *In Rural Industrialization Problems and Potentials* P. 27-45. Ref. 1974

021748 HD58.R58
Industry's viewpoint of rural areas. Fulton, M *In Rural Industrialization Problems and Potentials* P. 68-78. 1974

021749 HD58.R58
Location of industrial production and distribution [Rural development]. Haren, C C *In Rural Industrialization Problems and Potentials* P. 3-26. Maps. Ref. 1974

021750 HD58.R58
National policy and programs to redistribute population and industry. Rosenblatt, S M *In Rural Industrialization Problems and Potentials* P. 46-53. 1974

021751 HD58.R58
Problems in rural communities after industry arrives. Scott, J T Jr; Summers, G F *In Rural Industrialization Problems and Potentials* P. 94-107. 1974

021752 HD58.R58
Public intervention and guidance of market forces to achieve redistribution [Population]. Chinitz, B *In Rural Industrialization Problems and Potentials* P. 54-60. 1974

021753 HD58.R58
Regional coordination of [rural] communities with industrialization potential. Widner, R R *In Rural Industrialization Problems and Potentials* P. 127-135. 1974

021754 HD58.R58
Rural development and rural communities of the future. Heady, E O *In Rural Industrialization Problems and Potentials* P. 136-150. 1974

021755 Q172.5.I5V5
The agro-industrial complex as an instrument of international understanding. Weinberg, A M *In Views of Science, Technology and Development. E. Rabinowitch & V. Rabinowitch, eds.* P. 181-184. 1975

021756 Q172.5.I5V5
The Green Revolution: for bread and peace. Borlaug, N E *In Views of Science, Technology and Development. E. Rabinowitch & V. Rabinowitch, eds.* P. 227-246. 1975

021757 Q172.5.I5V5
The Green Revolution [Food production policies, India]. Sarabhai, V *In Views of Science, Technology and Development. E. Rabinowitch & V. Rabinowitch, eds.* P. 247-251. 1975

021758 S544.5.I5152
Achievement motivation, socio-economic status [of farmers] and the green revolution. Singn, T P; Kumar, K *Indian J Ext Educ* 11 (1/2): 1-7. Ref. Jan/June 1975

021759 SF481.I55
A closer look at the World Food Project no. 353 in aid of poultry development in India. Marwaha, D R *Indian Poult Rev* 6 (11): 443-446. Jan 16, 1975

021760 SF481.I55
Future research and development of poultry. Soni, B K *Indian Poult Rev* 6 (19): 713-717. May 16, 1975

021761 281.9 EU7I
Attempt at appraising the conditions of application and results of a reform policy in agriculture in difficult agricultural regions. II. Queyras. (Fre) *Inf Internes Agric* 150, Various Pagings. Maps. May 1975

021762 QH540.I54
Some thoughts on increasing agricultural production in the tropics. Golley, F B *Int J Ecol Environ Sci* 1 (2): 129-131. 1975

49 J82
Telling the story of animal science to the legislatures [Livestock husbandry]. Airy, J *J Anim Sci* 41 (6): 1778-1781. Dec 1975

021763 72.8 K522
Prospects of animal husbandry development [in the Dzhizak province of the Uzbek SSR]. (Rus) Gorelkin, N V; Zinin, V I; Massino, I V *Khlopkovodsto* 6: 4-5. June 1975

021764 389.78 K85
Regulations concerning the highest level of harmful substances [in feed] in the German Federal Republic and the European Economic Community. (Ger) Burckhardt, I *Kraftfutter* 58 (12): 482-484, 486, 488. Dec 1975

021765 275.28 M36
The broiler industry in 1976. Via, J E; Maryland University Cooperative Extension Service *Md Poultryman* P. 1-2. Dec 1975

021766 8 M5762
The sugar industry today and tomorrow. (Spa) Saenz H, A *Mex Agric* 22 (256/257): 11-14. June/July 1975

021767 20 M57
Methodological problems of socialist forecasting of the agricultural complex. (Rus) Jenicek, V *Mezhdunar S-kh Zh* 6: 13-16. 1975

021768 20 M57
On the construction and utilization of agrochemical enterprises [in USSR]. (Rus) Ripa, F *Mezhdunar S-kh Zh* 6: 29-33. 1975

021769 20 M57
On the conversion of agricultural production to an industrialized basis [in USSR]. (Rus) Nikonov, A *Mezhdunar S-kh Zh* 6: 9-12. 1975

021770 20 M57
On the use of inter-branch balance in state planning of agriculture in the German Democratic Republic. (Rus) Lange, H J *Mezhdunar S-kh Zh* 6: 5-8. 1975

021771 HD1775.M6M52
Changes in Canadian grain and livestock policies: implications for U.s. and Minnesota agriculture. Jolly, R W; Abel, M E; Minnesota University Agricultural Extension Service *Minn Agric Econ* 573, 8 P. Nov 1975

021772 18 N39
How does the [West German] state aid water management and agricultural projects? (Ger) Zanker, K *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1196-1197. Nov 20, 1975

021773 298.8 M89
Problem of world cereal supply. The Soviet Union as the country with the main problem. (Ger) Roth, H *Muhle Mischfuttertech* 112 (43): 569. Oct 30, 1975

021774 45.8 N21N
Opportunities with sheep [Outlook]. Terrill, C E *Natl Wool Grow* 65 (10): 18-19, 30-31. Oct 1975

021775 77.8 OL2
The world fats and oils situation. Statistics and problems. (Fre) Randag, J E T M *Oleagineux* 30 (8/9): 371-381. Aug/Sept 1975

021776 S19.O68
Agriculture or industry to feed people? [Food supply]. (Fre) Klatzmann, J *Options Mediterr* 5 (29): 43-47. 1975

021777 S19.O68
An imperative for development: a blended agro-food policy. (Fre) Forestier, R *Options Mediterr* 5 (29): 49-55. 1975

021778 S19.O68
Food resources and domination. (Fre) Barre, P *Options Mediterr* 5 (29): 17-19. 1975

021779 S19.O68
The food crisis. (Fre) Cepede, M *Options Mediterr* 5 (29): 21-27. 1975

021780 S19.O68
The pastoral situation in North Africa: progress achieved in data and reasearch. (Fre) Le Houerou, H N *Options Mediterr* 5 (28): 17-21. 1975

021781 S19.O68
World agricultural and food resources. (Fre) *Options Mediterr* 5 (29): 29-41. 1975

157.8 R29
Evaluation of the possible impact of pesticide legislation on research and development activities of pesticide manufacturers. Arthur, D. Little, inc. *PB Natl Tech Inf Serv Commer* 245023, 118 P. Feb 1975

021782 SB401.P4P4
Direction of pecan research and major goals and objectives in Georgia. Garrett, W N *Pecan South* 2 (6): 238-239, 243. Nov 1975

021783 46.8 P623
How Europe's over-spending [Agricultural policies]. Gardner, B *Pig Farming* 23 (11): 27. Nov 1975

021784 HD9435.N45P6
The pig industry in Britain—developments and forecasts. Carr, J R *Pork Ind Gaz* 5 (5): 39, 41-44. Sept 1975

021785 HD9435.N45P6
The potential for improvement in the Canadian pig industry. Bell, J M *Pork Ind Gaz* 5 (3): 48-49, 51-52. Map. June 1975

021786 43.9 N212
A view on livestock potential [World food production]. Munro, C G *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 10-19. 1974

420 UT1
Some legal aspects of mosquito abatement. Warr, I *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 4-5. Mar 1975

021787 23 AG82S
The world protein situation [Food supply]. Edwards, R A *Proc Annu State Conf Agric Bur NSW* 50th: B1-B7. 1974

021788 79.9 N213
Recent developments in the use of aldrin, dieldrin and 2,4,5-T [trichlorophenoxyacetic acid] in the USA [Legislation]. Watts, B B *Proc N Z Weed Pest Control Conf* 28th: 122-125. 1975

021789 281.9 B87
Cereals in the world. I. Abundance-shortage alternations. (Fre) Cordonnier, J M *Prod Agric Fr* 51 (176): 7, 9. Sept 15, 1975

021790 AHD28.P8
Those old cotton fields down home [Agricultural Stabilization and Conservation Service]. Collins, O O; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 14. May 1974

021791 100 OK4M
User's manual for the National Agricultural Policy Simulator (POLYSIM) [Computer programs]. Richardson, J W; Ray, D E; Oklahoma Agricultural Experiment Station *Res Rep P Okla Agric Stn* 727, 54 P. Nov 1975

021792 100 OK4M
User's manual for update; an auxiliary [computer] program for POLYSIM [National Agricultural Policy Simulator]. Richardson, J W; Ray, D E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 726, 40 P. Oct 1975

021793 43.8 R32
Is the compulsory discount of the salary of rural dwellers to contribute in favor of the syndicate legal? (Por) Marson, R *Rev Criad* 45 (540): 53-54. Jan 1975

021794 286.8 R328
World situation in textile fibers. (Por) Santley, J C *Rev Merc* 25 (261): 4-6. Mar/Apr 1975

021795 9.4 R32
Appraisals of the Association of Colombian Farmers in relation to the 6th law of 1975, which prescribes norms for share farming and other kinds of land exploitation. (Spa) Gonzales M, C J *Rev Nac Agric* 68 (811): 18-21. Jan 1975

021796 9.4 R32
Maize production [Productive capacity, Colombia]. (Spa) *Rev Nac Agric* 68 (811): 33-36. Jan 1975

021797 9.4 R32
New share farming law [Colombia]. (Spa) *Rev Nac Agric* 68 (811): 12-15. Jan 1975

021798 SF1.R54
DM3, the complex of the new rules regulating the composition and sale of farm feeds [Legislation]. (Ita) Aghina, C *Rilancio Agric Vet Zootec* 6 (5/6): 10, 12. 1974

021799 SF221.S6
A milk producer speculates about the future of the dairy industry. Doidge, A L *S Afr J Dairy Technol* 7 (2): 71-74. June 1975

021800 65.8 SA2
Analysis of work of the sugar factories of the Latvian SSR in the processing of raw cane sugar in 1974 [Productive capacity]. (Rus) Lazhe, IA IA *Sakh Prom-st'* 4: 29-32. Apr 1975

021801 65.8 SA2
Odessa sugar refining factory obtains new records [Five-Year Plan]. (Rus) Demchenko, A G; Shisel', B M *Sakh Prom-st'* 4: 11-15. Apr 1975

021802 470 SCI2
The world food prospect. Brown, L R *Science* 190 (4219): 1053-1059. Dec 12, 1975

021803 100 M693SP
The agricultural development of Nicaragua: an analysis of the production sector. Warnken, P F; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 168, 162 P. Map. July 1975

021804 69.8 T112
Results of work [of tobacco industry] groupings in 1974, plans for the final year of the five-year period. (Rus) Shestneva, L I; Makhmudbekov, F I *Tabak* 3: 21-23. 1975

021805 298.8 SE42
Legislation on cereals in Piedmont in 1800. (Ita) Vanossi, L *Tec Molit* 26 (10): 128-130. Oct 1975

021806 298.8 SE42
Prospects 1975-76 for flour and feed mills and macaroni industry [Consumption, outlook, statistics]. (Ita) Fornari, B *Tec Molit* 26 (10): 89-92. Oct 1975

021807 49 T445
Thoughts on the new feed law. (Ger) Burckhardt, I *Tierzuchter* 27 (12): 520-522. Dec 5, 1975

021808 474 UM7
Agricultural productivity: food production in the 1980's [Outlook]. (Ger) Timmermann, F *Umschau* 75 (17): 536-539. Eng. Sum. Sept 1, 1975

021809 474 UM7
Increased requirement for food caused by environmental pollution. (Ger) Oltersdorf, U *Umschau* 75 (16): 508-509. Eng. Sum. Aug 15, 1975

021810 64.8 Z12
Preparation of a program of rationalization of cereal production in the Rakovnik district. (Cze) Hotska, A *Uroda* 23 (8): 283-284. Aug 1975

021811 64.8 Z12
Tasks of the sixth Five-Year Plan in plant production. (Cze) Stoklasa, V *Uroda* 23 (7): 241-242. July 1975

021812 64.8 Z12
This year's prospects of sugarbeet production in the Jicin district. (Cze) Kosek, A *Uroda* 23 (8): 304-305. Aug 1975

021813 20 M66
Improving the scientific basis of reclamation [Land development, productivity]. (Bel) Skarapanau, S H *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 5-9. 1975

021814 20 M66
Problems of concentration of industrial beet planting in Brest Region. (Bel) Tupitsa, P P; Pran'ko, L IU *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 16-19. 1975

021815 20 M66
Specialization and concentration in the poultry industry of Belorussia. (Bel) Makarau, I L *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 20-25. 1975

021816 20 V82
Distribution, specialization and concentration of vegetable production in the open. (Ukr) Chesnok, IU S *Visn Sil's'kohospod Nauki* 6: 11-16. June 1975

021817 20 V82
Effect of feed production on economics of cattle raising. (Ukr) Barabash, M S *Visn Sil's'kohospod Nauki* 9: 12-15. Sept 1975

021818 20 V82
On the problem of concentration and specialization in horticulture. (Ukr) Pavlov, H D *Visn Sil's'kohospod Nauki* 9: 8-11. Sept 1975

021819 20 V82
Statistical-economic analysis of the efficiency of milk production. (Ukr) Vodop'ianov, P A; Novostavs'ka, L P *Visn Sil's'kohospod Nauki* 9: 15-20. Sept 1975

021820 SF191.W6
Dairy development in south India. Nyholm, K; Schaumburg-Muller, H; Westergaard, K; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 14-20. 1975

021821 65.8 D48
Some thoughts concerning the West German sugar industry. Structure and time-series in statistics and graphics. (Ger) Andreae, B *Z Zuckerind* 25 (9): 505-509. Eng. Sum. Sept 20, 1975

021822 SB183.Z4
Cereal production of the fifth, closing year of the Five-Year Plan [Productive capacity, Smolensk District]. (Rus) Kholenkov, N S *Zernovoe Khoz* 6: 23-24. June 1975

021823 SB183.Z4
For the yield of the closing year of the Five-Year Plan [Cereal production]. (Rus) Sakovtsev, V S *Zernovoe Khoz* 6: 6-7. June 1975

021824 SB183.Z4
From 12 to 32 centners of cereals per hectare [Five-Year Plan, productive capacity]. (Rus) Koliago, V K *Zernovoe Khoz* 6: 26-27. June 1975

021825 SB183.Z4
Increasing the production and purchase of beans. (Rus) Glukhov, D K; Teniaev, D M *Zernovoe Khoz* 6: 19-20. June 1975

021826 SB183.Z4
Rice and people [Productive capacity of agriculture]. (Rus) Sarsembaev, S M *Zernovoe Khoz* 6: 8-11. June 1975

021827 SB183.Z4
Solving the cereal problem [Five-Year Plan, productive capacity of agriculture]. (Rus) Kovalenko, A V *Zernovoe Khoz* 6: 2-6. June 1975

021828 SB183.Z4
Ways of increasing cereal production in the Buryat ASSR [Five-Year Plan]. (Rus) Nikolaev, B N *Zernovoe Khoz* 6: 15-16. June 1975

CONSUMER PROTECTION

021829 HD1775.O503
Implications of the proposed changes in beef grades. Purcell, W D *A E Pap Okla State Univ Dep Agric Econ* 7420, 22 P. 1975?

021830 QD1.A45
Physiological effects of carrageenan [Food stabilizer, toxicity]. Stancioff, D J; Renn, D W *ACS Symp Ser (Amer Chem Soc)* 15: 282-295. Ref. 1975

021831 41.8 AC87
Phage typing of Staphylococcus aureus strains isolated in Sweden from bovine milk. Holmberg, O *Acta Vet Scand* 16 (3): 411-419. Ref. 1975

021832 41.8 AC87
Residues of [antibiotic] drugs in eggs after medication of laying hens for eight days. Blom, L *Acta Vet Scand* 16 (3): 396-404. Ref. 1975

021833 S15.A395
Cryoscopy of milk. I. Establishment of freezing point of milk received in dairy plants [Adulteration]. (Spa) Pinto C, M; Fraser L, B; Carrion M, L; Carrillo M, M; Houbraken, A *Agro Sur* 3 (1): 43-48. Eng. Sum. 1975

021834 TP368.A4
Microbiological problems in partial and fully cooked and prepared foods. (Ger) Mohs, H J *Alimenta* 14 (5): 151-156. Ref. Sept/Oct 1975

021835 A280.39 M34AM
A guide to carcass data service (beef) [Grading]. U.S. Agricultural Marketing Service *AMS U S Dep Agric Agric Mark Serv* 545, Slightly Rev., 6 P. Apr 1975

021836 QD1.A52
Identification of vinyl chloride in polyvinyl chloride and simulated food solvents. (Ger) Puschmann, J *Angew Makromol Chem* 47: 29-41. Oct 21, 1975

021837 16 T63
Yeasts of normal honeys from various sources [Food contamination]. (Ita) Malan, C E; Ozino Marletto, O I *Ann Accad Agric Torino* 116: 63-80. Ref. Eng. Sum. 1973/1974

021838 389.8 AN72
Chemical control and bacteriology of yogurts (test for codifying techniques). I. Chemical analysis. (Fre) Alary, J; Bonjean, M C; Chouteau, J; Coeur, A *Ann Falsif Expert Chim* 68 (734): 501-511. Oct 1975

500 N484
Effect of ascorbic acid on amine-nitrite toxicity [Food additives]. Kamm, J J; Dashman, T; Conney, A H; Burns, J J *Ann N Y Acad Sci* 258: 169-174. Ref. 1975

021839 500 N484
Reduction of gastric carcinogens with ascorbic acid [Food leftovers, nitrite]. Raineri, R; Weisburger, J H *Ann N Y Acad Sci* 258: 181-189. Ref. 1975

021840 41.8 EX7
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of pits yielding pale, soft exudative meat. (Ger) Bergmann, V *Arch Exp Veterinarmed* 29 (5): 717-733. Ref. Eng. Sum. 1975

021841 41.8 EX7
Determination of parathion-methyl and its metabolites in samples from animals and in foodstuffs. (Ger) Kirchner, K; Berge, H *Arch Exp Veterinarmed* 29 (5): 643-647. Eng. Sum. 1975

021842 41.8 EX7
Inhibitory effect of alkylarylsulfones on the swarming of Proteus bacteria [Meat contamination]. (Ger) Abadjieff, W *Arch Exp Veterinarmed* 29 (5): 661-666. Eng. Sum. 1975

021843 448.3 IN73
Study of Salmonella in frozen meat (estimation of the presumptive test on lysine-ironcystine-neutral red). (Fre) Papadias, A; Skountzos, C *Arch Inst Pasteur Hell* 20: 83-94. Ref. Eng. Sum. 1974

021844 41.8 L49
A microbiological classification system for minced meat. Nouws, J F M; Heymans, P G *Arch Lebensm Hyg* 26 (5): 175-180. Ref. Sept/Oct 1975

41.8 L49
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric lymph nodes of normal slaughter pigs. (Ger) Vandenbrande, G; Hoof, J van *Arch Lebensm Hyg* 26 (5): 171-175. Ref. Eng. Sum. Sept/Oct 1975

021845 41.8 L49
Composition of sausages in the area of southern and central Hesse. (Ger) Gemmer, H; Seeger, H *Arch Lebensm Hyg* 26 (5): 186-187. Eng. Sum. Sept/Oct 1975

021846 41.8 L49
Determination and significance of iodine and chlorine residues in milk after teat dipping. (Ger) Terplan, G; Deneke, J; Grove, H H; Hallermayer, E; Meyer, J *Arch Lebensm Hyg* 26 (5): 180-186. Ref. Eng. Sum. Sept-/Oct 1975

021847 41.8 L49
Evaluation of sausages with special regard to microbiological quality. (Ger) Mantel, T; Beck, G *Arch Lebensm Hyg* 26 (5): 161-163. Eng. Sum. Sept/Oct 1975

021848 A321.9 R31
The cost of meats and meat alternates. Peterkin, Betty *ARS 62 Agric Res Serv U S Dep Agric Consum Food Econ D Iv* P. 11-13 Fall 1974

021849 SF191.K4
Tips on custom processed beef [Grading]. Varney, W Y; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 36, 2 P. Oct 1975

021850 442.8 AU73
Occurrence of kerosene-like hydrocarbons in the bream, Mylio australis Gunther [Taint]. Connell, D W; Cox, K; McLauchlan, R L *Aust J Mar Freshwater Res* 26 (3): 419-422. Nov 1975

41.8 AU72
The prevalence of sarcosporidiosis [Sarcocystis] in Australian meat animals [Sheep, cattle, swine]. Munday, B L *Aust Vet J* 51 (10): 478-480. Oct 1975

021851 47.8 B26
Assessment for establishing the perceptibility of the basic flavors [in food grading]. (Hun) Bende, E; Szabo, A; Huber, M *Baromfiipar* 22 (9): 410-413. 1975

021852 TP570.B5
Industrial hygiene in the brewery and its influence on the quality of beer. (Fre) Scriban, R *BIOS* 6 (9): 283-288. Ref. Sept 1975

021853 TP368.C4
Observations with respect to possible standards for the quality of canned sardines. (Por) Beraquet, N J; Miya, E E; Madi, L F C; Morais, C de; Uzelac, M; Silva, S D da *Bol Inst Tecnol Aliment* 41: 43-68. Ref. Eng. Sum. Mar 1975

021854 390.8 B75
Detection of mineral fibers in beer. Maurer, C L; Coors, J H *Brew Dig* 50 (11): 54-56, 58, 60, 64. Ref. Nov 1975

021855 41.9 AZ1
A study on quality control in the dairy industry. (Jpn) Takemura, K *Bull Azabu Vet Coll* 29: 37-57. Ref. Eng. Sum. Jan 1975

021856 41.9 AZ1
Studies on the administration of food sanitation, especially for the theoretical development of probability process. (Jpn) Takahashi, H *Bull Azabu Vet Coll* 29: 1-35. Ref. Eng. Sum. Jan 1975

021857 41.9 AZ1
Studies on the administration of food sanitation: an attempt to establish a methodology for quantitative administrative hygiene. (Jpn) Tanaka, H *Bull Azabu Vet Coll* 29: 115-134. Ref. Eng. Sum. Jan 1975

RA1270.P35A1
Determination of paraquat [herbicide] residues in food crops by gas chromatography. Khan, S U *Bull Environ Contam Toxicol* 14 (6): 745-749. Dec 1975

021858 TX599.I5
An outline of microbiological contamination of commercially preserved vegetables during the last 15 years. (Dut) Seeger, J *Bull INACOL (Inst Natl Amelior Conserves Legumes)* 26 (5/6): 122-158. Ref. May/June 1975

021859 TX599.I5
Levels of residues of chlorinated hydrocarbons in canned vegetables. (Dut) Biston, R; Zenon-Roland, L; Martens, P H *Bull INACOL (Inst Natl Amelior Conserves Legumes)* 26 (5/6): 159-172. Ref. Eng. Sum. May/June 1975

021860 93.33 SH62B
Studies on quality control for Satuma mandarin oranges. I. On the classification method for stored Satsuma mandarin by sampling inspection. (Jpn) Okada, N *Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap* 12: 35-47. Ref. Eng. Sum. Mar 1975

021861 93.33 SH62B
Studies on the nondestructive measurement of quality of Satsuma mandarin oranges. II. The use of light transmittance techniques for fruit grading. (Jpn) Suzuki, H; Ishida, T *Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap* 12: 11-25. Ref. Eng. Sum. Mar 1975

021862 448.8 C162
Bacterial growth in seafood on restaurant premises. Venkataramaiah, N; Kempton, A G *Can J Microbiol* 21 (11): 1788-1797. Ref. Nov 1975

021863 448.8 C162
Death rates of bacterial spores [isolated from sugar-cane bagasse]: nonlinear survivor curves [Bacillus cereus]. Han, Y W *Can J Microbiol* 21 (10): 1464-1467. Ref. Oct 1975

RA1211.A1C7
Toxicological decisions and recommendations resulting from the safety assessment of pesticide residues in food. Vettorazzi, G *CRC Crit Rev Toxicol (Chem Rubber Co)* 4 (2): 125-183. Ref. 1975

021864 41.9 SO18
The separation of beef meat according to quality and cuts in Athens [Grading]. (Gre) Koutras, N *Delt Ellin Ktiniatr Etair* 26 (1): 12-25. Eng. Sum. Jan/Mar 1975

021865 389.8 D482
European Economic Community regulation with reference to the raw material in contact with food: stainless steel. (Ger) Crolet, J L; Hooper, R A E; Lennartz, G; Tytgat, G G *Dtsch Lebensm Rundsch* 71 (11): 385-393. Ref. Eng. Sum. Nov 1975

021866 44.8 M736
Automatic sample taking equipment for bacterial [contamination] count in milk tank trucks. (Ger) Malitz, H *Dtsch Milchwirtsch* 26 (33): 1123-1125. Aug 13, 1975

021867 44.8 M736
"Half-fat" milk tested for the first time in the 1975 German Agricultural Association butter testing. (Ger) Botel, W *Dtsch Milchwirtsch* 26 (34): 1153-1156. Aug 20, 1975

021868 44.8 M736
Hygienic production of industrial ice cream. (Ger) Timm, F *Dtsch Milchwirtsch* 26 (35): 1183-1186. Ref. Aug 27, 1975

021869 44.8 M736
New world standards for cheese by the Food and Agriculture Organization are being prepared. (Ger) Kay, H *Dtsch Milchwirtsch* 26 (33): 1121-1122. Aug 13, 1975

021870 44.8 M736
Quality control of yoghurt. (Ger) Puhan, Z *Dtsch Milchwirtsch* 26 (34): 1158-1161. Ref. Aug 20, 1975

021871 44.8 M736
Quality testing of ice cream in 1974 by the German Agricultural Association. (Ger) Gussek, K W *Dtsch Milchwirtsch* 26 (43): 1572-1573. Oct 22, 1975

021872 RA565.E58
Preliminary milk report [Quality control]. Jarvis, A N; Easterly, D G *Environ Health Eff Res Ser EPA* 680/4-75-007, 36 P. June 1975

021873 TD1.E58
Hormology with inorganic compounds [Nutritional and toxic effects on man and animals]. Luckey, T D *Environ Qual Saf* 1 (Suppl.): 81-118. Ref. 1975

021874 TD1.E58
Introduction to heavy metal toxicity, safety and hormology [Nutritional and toxic effects in humans]. Luckey, T D *Environ Qual Saf* 1 (Suppl.): 1-3. 1975

021875 TD1.E58
Long-lived radionuclides in food: 90Sr and 137Cs [strontium and cesium isotopes] in the Israel diet. Feige, Y; Eisenberg, A; Proulov, Y; Klopfer, J *Environ Qual Saf* 5: 115-121. 1975

021876 TD1.E58
Safety of heavy metals as nutritional markers [Mice, monkeys]. Hutcheson, D P; Gray, D H; Venugopal, B; Luckey, T D *Environ Qual Saf* 1 (Suppl.): 74-80. Ref. 1975

021877 TD1.E58
Selenium content of some foodstuffs and other environmental samples in a mineralized area of Italy. Bombace, M A; Rossi, L C; Clemente, G F *Environ Qual Saf* 5: 122-129. Map. Ref. 1975

021878 TD1.E58
Some experiences relating to food safety. Mrak, E M *Environ Qual Saf* 5: 197-207. 1975

021879 308.9 R26
Considerations on the phototoxicity of bergamot oil. Capua, M *Essenze Deriv Agrum* 44 (4): 345-347. Oct/Dec 1974

021880 308.9 R26
Phototoxicity of bergamot oil: experimental studies. (Fre) Ribuffo, A; Ippolito, F *Essenze Deriv Agrum* 44 (4): 317-328. Ref. Oct/Dec 1974

021881 308.9 R26
Study of bergamot oil by thin-layer chromatography and spectrofluorometry [Adulteration]. (Spa) Di Giacomo, A; Calvarano, I *Essenze Deriv Agrum* 44 (4): 329-344. Ref. Oct/Dec 1974

021882 A321.9 R31
Convenience and the cost of plate dinners and skillet main dishes. Cromwell, Cynthia; Odland, Dianne *Fam Econ Rev* P. 10-13 Summer 1974

021883 A321.9 R31
Food plans and family budgeting. Peterkin, Betty *Fam Econ Rev* P. 3-10 SPring 1975

021884 A321.9 R31
Freezer food concerns. Lawyer, Josephine H *Fam Econ Rev* P. 11-13 Spring 1974

A286.9 AG8
U.S. Imports of fruits and vegetables under quarantine, fiscal 1975 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 76-94. Sept 1975

021885 389.8 F737
What the industry can do about growing public mistrust. Crocco, Stephanie *Food Eng* 47 (8): 35 Aug 1975

021886 TP368.F69
Microbial standards for food—a view from New Zealand industry. Grainer, M *Food Technol N Z* 10 (10): 24-25. Oct 1975

021887 321.8 H752
Shop around. *Forecast Home Econ* 21 (4): F31 Dec 1975

021888 A281.9 F76FO
British find adjusting to EC [European Community] food laws difficult. Stenswick, L E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 8-9. Dec 1, 1975

021889 A281.9 F76FO
Canada to require bilingual labeling of imported foods. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 7. Dec 1, 1975

021890 S16.G9G4
Disinfection [of agricultural products] with methyl bromide [Residues]. (Gre) Parashos, G E *Geoponika* (Ser. 3) 21 (225): 210-216. July/Aug 1975

021891 298.8 G33
Contamination of cereals by polychlorinated biphenyls and hexachlorobenzene. (Ger) Arrifai, K; Acker, L *Getreide Mehl Brot* 29 (9): 240-243. Ref. Sept 1975

021892 298.8 G33
Effects of baking technology on the combination of mold control products and amylase preparations. (Ger) Brummer, J M; Morgerstern, G *Getreide Mehl Brot* 29 (9): 233-239. Ref. Sept 1975

64.8 H66
Investigation on the efficiency of the reduction of submitted samples, carried on the model of grass and leguminous seed mixtures [Quality tests]. (Pol) Niemyski, K *Hodowla Rosl Aklim Inasiennic* 19 (2): 133-186. Eng. Sum. 1975

TP493.5.F6
Some stability and safety aspects of intermediate moisture foods. Heidelbaugh, N D; Goldblith, S A *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 675-689. Ref. 1975

021893 QR1.I53 1974
Cell culture in mycotoxin research [Fungi from foodstuffs]. Umeda, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 389-397. Ref. 1974 (Pub. 1975)

021894 QR1.I53 1974
Cereal scab causing mycotoxicoses in Korea and present status of mycotoxin researches [Gibberella zeae]. Chung, H S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 352-361. Ref. 1974 (Pub. 1975)

021895 TP371.8.P357 1974
Preparations for marketing irradiated potatoes and onions in the Federal Republic of Germany [Consumer and health considerations]. Diehl, J F *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 31-36. Ref. 1974 (Pub. 1975)

021896 HD9000.1.I52
Ice creams and sherbets. Quality requirements and market situation. (Ita) Bencivenga, B; Pallotti, G; Guidobaldi, G; Memoli, A *Ind Aliment* 14 (5): 73-78. Eng. Sum. May 1975

021897 HD9000.1.I52
Microbial flora related to the alterations in Italian mortadellas (Bologna) [Sausages, contamination]. (Ita) Cantoni, C; D'Aubert, S; Perlasca, M *Ind Aliment* 14 (118): 49-54. Ref. Eng. Sum. June 1975

021898 HD9000.1.I52
Nitrite transformations in canned meat. (Ita) Cantoni, C; Cattaneo, P; Cipolla, M; Calcinardi, C *Ind Aliment* 14 (5): 87-90. Ref. Eng. Sum. May 1975

021899 HD9000.1.I52
On the presence of estrogens in calves' meat and viscera. (Ita) Cantoni, C; Dragoni, I *Ind Aliment* 14 (10): 117-119. Ref. Eng. Sum. Oct 1975

021900 HD9000.1.I52
Sampling from containers, kegs, tanks and drums [Food bacteria]. (Ita) Ligugnana, R *Ind Aliment* 14 (5): 91-93. Eng. Sum. May 1975

021901 HD9000.1.I52
Some evaluation on the ways and sources of pathogenic microorganisms and on the possibility of their transmission to food products. (Ita) Dalla Torre, G *Ind Aliment* 14 (10): 113-116. Oct 1975

021902 SF1.I4
Incidence of Salmonella in pig meat in west Bengal and its public health significance [Food contamination]. Gupta, P D *Indian J Anim Health* 14 (1): 63-65. Ref. June 1975

021903 QP141.A1J6
Incidence and state of adulteration of commonly consumed spicies in Bombay City. II. Mustard, black pepper and asafoetida. Bhalla, K; Punekar, B D *Indian J Nutr Diet* 12 (7): 216-222. July 1975

021904 475 IS72
Survival of enteroviruses on vegetables irrigated with chlorinated oxidation pond effluents [Wastewater treatment]. Kott, H; Fishelson, L *Isr J Technol* 12 (5/6): 290-297. Ref. 1974 (Pub. 1975)

021905 381 J8223
A method for the estimation of methylmercuric compounds in [food] fish. Schafer, M L; Rhea, U; Peeler, J T; Hamilton, C H; Campbell, J E *J Agric Food Chem* 23 (6): 1079-1083. Ref. Nov/Dec 1975

021906 381 J8223
Analysis of some carbamate and urea herbicides in foods by gas-liquid chromatography after alkylation [Residues]. Lawrence, J F; Laver, G W *J Agric Food Chem* 23 (6): 1106-1109. Nov/Dec 1975

021907 381 J8223
Cannabis smoke condensate: identification of some acids, bases, and phenols [of marijuana cigarettes]. Jones, L A; Foote, R S *J Agric Food Chem* 23 (6): 1129-1131. Ref. Nov/Dec 1975

381 J8223
Gas chromatographic determination of [the antioxidant] ethoxyquin in feed and food products. II. Dahle, H K; Skaare, J U *J Agric Food Chem* 23 (6): 1093-1095. Nov/Dec 1975

021908 381 J8223
Rapid screening method for aflatoxin in a number of [food and feed] products [Contamination]. Holaday, C E; Lansden, J *J Agric Food Chem* 23 (6): 1134-1136. Nov/-Dec 1975

021909 49 J82
Effect of polyphosphates on low quality (PSE) [pale, soft, exudative] hams during processing. Davis, C E; Townsend, W E; Mercuri, A J *J Anim Sci* 41 (6): 1632-1637. Ref. Dec 1975

381 AS7
A rapid method for the determination of manganese ethylenebisdithiocarbamate [fungicide] and its residues on grains. Rangaswamy, J R; Vijayashankar, Y N *J Assoc Off Anal Chem* 58 (6): 1232-1234. Nov 1975

381 AS7
A screening method for determining nitrofuran drug residues in animal tissues. Ryan, J J; Lee, Y C; Dupont, J A; Charbonneau, C F *J Assoc Off Anal Chem* 58 (6): 1227-1231. Nov 1975

381 AS7
Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in monkey fecal samples [Human toxicology]. Yang, R S H; Coulston, F; Golberg, L *J Assoc Off Anal Chem* 58 (6): 1197-1201. Ref. Nov 1975

381 AS7
Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in tobacco and vegetables. Ihnat, M; Thompson, B *J Assoc Off Anal Chem* 58 (6): 1235-1243. Nov 1975

021910 381 AS7
Comparative study of methods for the extraction of eleven organophosphorus pesticide residues in rice. Aoki, Y; Takeda, M; Uchiyama, M *J Assoc Off Anal Chem* 58 (6): 1286-1293. Ref. Nov 1975

021911 381 AS7
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an ultraviolet irradiation-gas-liquid chromatographic technique. Erney, D R *J Assoc Off Anal Chem* 58 (6): 1202-1205. Nov 1975

021912 381 AS7
Direct plating method for enumeration of Staphylococcus aureus: collaborative study [Processed foods]. Baer, E F; Messer, J W; Leslie, J E; Peeler, J T *J Assoc Off Anal Chem* 58 (6): 1154-1158. Nov 1975

021913 381 AS7
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, food-stimulating solvents, and other samples [Food packaging material]. Breder, C V; Dennison, J L; Brown, M E *J Assoc Off Anal Chem* 58 (6): 1214-1220. Nov 1975

021914 381 AS7
Obituaries: Edward F. Baer [Food, microbiology]. Kautter, D A *J Assoc Off Anal Chem* 58 (6): 1303-1304. Nov 1975

021915 381 AS7
Procedural change in the official method for the extraction of light filth from cocoa, chocolate, and press cake. Brickey, P M Jr; Gecan, J S *J Assoc Off Anal Chem* 58 (6): 1302. Nov 1975

021916 381 AS7
Thermal susceptibility of Salmonella in the Moroccan food snail, Helix aspersa. Andrews, W H; Wilson, C R *J Assoc Off Anal Chem* 58 (6): 1159-1161. Nov 1975

021917 44.8 J822
Distribution and removal of added mercury in milk [Food contamination]. Roh, J K; Bradley, R L Jr; Richardson, T; Weckel, K G *J Dairy Sci* 58 (12): 1782-1788. Ref. Dec 1975

021918 44.8 J822
Stability of aflatoxin M in milk. Stoloff, L; Trucksess, M; Hardin, N; Francis, O J; Hayes, J R; Polan, C E; Campbell, T C *J Dairy Sci* 58 (12): 1789-1793. Ref. Dec 1975

021919 389.8 F7322
A microbiological profile of commercially prepared salads. Terry, R C; Overcast, W W *J Food Sci* 41 (1): 211-213. Ref. Jan/Feb 1976

021920 389.8 F7322
An automated rapid test for Escherichia coli in milk. Moran, J W; Witter, L D *J Food Sci* 41 (1): 165-167. Ref. Jan/Feb 1976

021921 389.8 F7322
Changes in trypsin inhibitory activity in soybean varieties during maturation and germination. Collins, J L; Sanders, G G *J Food Sci* 41 (1): 168-172. Ref. Jan/Feb 1976

021922 389.8 F7322
Effect of ice storage on microbiological and chemical changes in shrimp and melting ice in a model system. Cobb, B F III; Vanderzant, C; Hanna, M O; Yeh, C P S *J Food Sci* 41 (1): 29-34. Ref. Jan/Feb 1976

021923 389.8 F7322
Effect of processing, distribution and storage on Vibro parahaemolyticus and bacterial counts of oysters (Crassostrea virginica). Thompson, C A Jr; Vanderzant, C; Ray, S M *J Food Sci* 41 (1): 123-127. Jan/Feb 1976

021924 389.8 F7322
Effect of sodium acetate on growth and aflatoxin production by Aspergillus parasiticus NRRL 2999. Buchanan, R L Jr; Ayres, J C *J Food Sci* 41 (1): 128-132. Ref. Jan/Feb 1976

021925 389.8 F7322
Examination of Swiss cheese for incidence of mycotoxin producing molds. Bullerman, L B *J Food Sci* 41 (1): 26-28. Ref. Jan/Feb 1976

021926 389.8 F7322
Influence of [soy, fish, yeast] protein supplements on growth of Staphylococcus aureus and production of enterotoxins. Tatini, S R; Stein, S A; Soo, H M *J Food Sci* 41 (1): 133-135. Jan/Feb 1976

021927 389.8 F7322
Instability of patulin in Cheddar cheese [Penicillium patulum]. Stott, W T; Bullerman, L B *J Food Sci* 41 (1): 201-203. Ref. Jan/Feb 1976

021928 389.8 F7322
Microbiology of pale, dark and normal pork. Rey, C R; Kraft, A A; Topel, D G; Parrish, F C Jr; Hotchkiss, D K *J Food Sci* 41 (1): 111-116. Ref. Jan/Feb 1976

021929 389.8 F7322
Relationship of Vibrio parahaemolyticus in oysters, water and sediment, and bacteriological and environmental indices. Thompson, C A; Vanderzant, C; Ray, S M *J Food Sci* 41 (1): 117-122. Map. Ref. Jan/Feb 1976

021930 389.8 F7322
Serological and hemolytic characteristics of Vibrio parahaemolyticus from marine sources [Oysters]. Thompson, C A Jr; Vanderzant, C; Ray, S M *J Food Sci* 41 (1): 204-205. Ref. Jan/Feb 1976

021931 TP368.J6
Bacterial infection/invasion in fish flesh [and post mortem storage properties of the fish]. Herborg, L; Villadsen, A *J Food Technol* 10 (5): 507-513. Oct 1975

021932 99.9 AS12S
Surface flammability of fireproofing plywood in the 8-foot tunnel furnace. 3. (Jpn) Nunomura, A; Ito, H; Kasai, A; Komazawa, K; Yamagishi, K *J Hokkaido For Prod Res Inst* 8: 14-16, 13. Eng. Sum. Aug 1975

021933 382 SO12
Analysis of nitrate and nitrite in foodstuffs: a critical review [Meat]. Usher, C D; Telling, G M *J Sci Food Agric* 26 (11): 1793-1805. Ref. Nov 1975

021934 382 SO12
Chemical assessment of quality in tea and its relation to the market over an extended period. Hilton, P J; Palmer-Jones, R W *J Sci Food Agric* 26 (11): 1681-1687. Ref. Nov 1975

382 SO12
Exposure of meat to methyl bromide during refrigerated-store pest control; residues in beef and lamb and effect on quality. Rhodes, D N; Patterson, R L S; Puckey, D J; Heuser, S G; Wainman, H E; Chakrabarti, B; Allan, E N W *J Sci Food Agric* 26 (9): 1375-1380. Sept 1975

382 SO12
Occurrence of volatile nitrosamines [known to be carcinogenic] in spice premixes [Meat products]. Gough, T A; Goodhead, K *J Sci Food Agric* 26 (10): 1473-1478. Ref. Oct 1975

021935 382 SO12
The formation and analysis of N-nitrosamines [Food]. Foreman, J K; Goodhead, K *J Sci Food Agric* 26 (11): 1771-1783. Ref. Nov 1975

021936 382 SO12
The microbiological role [controlling Clostridium botulinum] of nitrite and nitrate [Bacon]. Roberts, T A *J Sci Food Agric* 26 (11): 1755-1760. Ref. Nov 1975

021937 382 SO12
The toxicology of nitrate, nitrite and N-nitroso compounds [in food]. Swann, P F *J Sci Food Agric* 26 (11): 1761-1770. Ref. Nov 1975

021938 49 N62
Growth of bacteria [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from vacuum-packed beef at low temperatures. (Jpn) Ohtaka, F; Isaka, M; Nagayama, K; Shimizu, U; Katoh, H *Jap J Zootech Sci* 46 (9): 515-521. Ref. Eng. Sum. Sept 1975

021939 44.8 L143
Identification of a nitrogenous heterocyclic compound responsible for a potato-like off-flavour in Gruyere de Comte cheese. (Fre) Dumont, J P; Roger, S; Adda, J *Lait* 55 (548): 479-487. Ref. Eng. Sum. Sept/Oct 1975

464.9 B833M
General precautionary measures in handling plant protection substances; guidelines of the Federal Health Office and the Federal Biological Institute. (Ger) *Merkbl Biol Bundesanst Land Forstwirtsch* 18 (Pt. 1), 28 P. May 1975

021940 381 M58
A micromethod for lead in canned baby juices. Lee, Y S; Lao, N T; Crisler, J P *Microchem J* 20 (3): 319-323. Sept 1975

44.8 M5998
Bacteriological control of cleaning and disinfection of surface areas [Dairy industry]. (Ger) Winterer, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 111-114. Aug 1975

021941 44.8 M5998
Monomers in packaging materials [Consumer protection]. (Ger) Rasenack, D *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 125-126. Aug 1975

021942 44.8 M5998
Physiological aspects of fluid packaging in cartons [Dairy products, hygiene]. (Ger) Placzek, L *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 131-134. Aug 1975

021943 44.8 M5998
Trade labeling problems of dairy products. (Ger) Ketzler, E F *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 127-130. Aug 1975

021944 44.8 M5933
A rapid test for the identification of enterococci [Milk contamination]. (Ger) Hahn, G; Tolle, A *Milchwissenschaft* 30 (10): 585-587. Ref. Oct 1975

021945 44.8 M5933
Feeding experiments with rainbow trouts using Camembert andRoquefort starters [to test their potential toxicity]. (Ger) Frank, H K; Orth, R; Reichle, G; Wunder, W *Milchwissenschaft* 30 (10): 594-597. Ref. Eng. Sum. Oct 1975

021946 44.8 M5933
Properties of staphylococci isolated from cow's milk in respect fo the evaluation of milk [Contamination]. (Ger) Mayer, S *Milchwissenschaft* 30 (10): 607-608. Eng. Sum. Oct 1975

021947 44.8 M5933
Proteolysis of milk and milk products by Pseudomonas fluorescens [Contamination]. (Ger) Kielwein, G *Milchwissenschaft* 30 (10): 605-606. Eng. Sum. Oct 1975

021948 44.8 M5933
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of aflatoxin synthesis by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available [Milk contamination]. (Ger) Engel, G *Milchwissenschaft* 30 (10): 588-591. Oct 1975

44.8 M5933
Studies on the presence of microorganisms and keeping quality of canned processed cheese [Contamination, Clostridium]. (Ger) Hobrecht, R *Milchwissenschaft* 30 (11): 681-684. Ref. Eng. Sum. Nov 1975

021949 44.8 M5933
Taxonomy of pseudomonads from milk [Contamination]. (Ger) Braatz, R *Milchwissenschaft* 30 (10): 603-605. Eng. Sum. Oct 1975

021950 44.8 M5933
The hygienic importance of flavobacteria in milk. (Ger) Kielwein, G; Geringer, M *Milchwissenschaft* 30 (10): 608-609. Eng. Sum. Oct 1975

021951 44.8 M735
The consequences of drinking water regulation on dairy industry. (Ger) Bornemann, P *Molk-Ztg Welt Milch* 29 (44): 1231-1236 Oct 31, 1975

021952 514 N482
Estimation of tutin and hyenanchin in honey. 3. Toxicity ofhoney samples from test hives, 1968-74 [Scolypopa australis, Coriaria arborea]. Clinch, P G; Turner, J C *N Z J Sci* 18 (3): 323-328. Ref. Sep 1975

021953 389.8 N142
Influence of technological additives and of heating temperature on some chemical and physical changes in canned meat. I. Alteration of tin and iron content by corrosion of can. (Ger) Wojciechowski, J; Pikul, J; Janitz, W; Janowska, E *Nahrung* 19 (8): 669-682. Ref. Eng. Sum. 1975

021954 472 N21
Carcinogenicity of the food additive furylfuramide in foetal and young mice. Nomura, T *Nature* 258 (5536): 610-611. Ref. Dec 18, 1975

021955 472 N21
Chromosome aberrations induced in rat lymphocytes by N-nitroso compounds as a possible basis for carcinogen screening. Lilly, L J; Bahner, B; Magee, P N *Nature* 258 (5536): 611-612. Ref. Dec 18, 1975

SB951.A1P41
Mercury residues in breast muscle of wild ducks, 1970-71. Baskett, T S *Pestic Monit J* 9 (2): 67-78. Map. Ref. Sept 1975

SB951.A1P41
Organochlorine pesticide residues in human milk, Western Australia—1970-71. Stacey, C I; Thomas, B W *Pestic Monit J* 9 (2): 64-66. Ref. Sept 1975

SB951.A1P41
Pesticide residues in Total Diet samples. VIII. Manske, D D; Johnson, R D *Pestic Monit J* 9 (2): 94-105. Ref. Sept 1975

464.9 P482
Plant protection substances and residues [Pesticides, agricultural products]. (Ger) Maier-Bode, H *Pflanzenarzt* 28 (8): 95-98. Aug 1975

021956 46.8 P623
Carcase evaluation developments [Pork]. Kempster, T *Pig Farming* 23 (11): 69-70, 80. Nov 1975

021957 46.8 P623
Catching up on classification [Pork]. Cuthbertson, A *Pig Farming* 23 (11): 76-77, 79-80. Nov 1975

021958 46.8 P623
Pin-pointing carcase quality [Pork]. Smith, W *Pig Farming* 23 (11): 55-57, 61. Nov 1975

021959 S293.C6N31
Elimination of Salmonella from fermented pork by gamma irradiation. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 579-593. Eng. Sum. 1974

S293.C6N31
Research on pesticide residues in food. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 283-287. 1974

S293.C6N31
Research on pesticides residues in exported commodities [Food]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 303-310. 1974

021960 389.9 AM31
Predominant psychrotrophic bacteria on fresh and aged ground beef and antelope. Smith, F C; Adams, J C; Field, R A *Proc West Sect Am Soc Anim Sci* 26: 67-69. Ref. 1975

021961 389.9 AM31
Texturized soy and bacterial decontaminants in processed meats. Berry, B W; Joseph, A; Chen, A A T *Proc West Sect Am Soc Anim Sci* 26: 94-97. 1975

14 P94
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). (Fre) Bolay, A; Rochaix, M *Prog Agric Vitic* 92 (19): 564-566. (Concluded) Oct 1, 1975

021962 S544.3.M6M6
Consumer knowledge inventory: its impact on curriculum development in Montana schools. Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 86, 24 P. Oct 1975

021963 SF713.K8A3
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. (Kor) Cho, T H; Cho, J H; Whang, D W *Res Rep Off Rural Dev* 17: 61-70. Ref. Eng. Sum. Aug 1975

021964 390.08 R32
Attempt at collaboration of a microbiological method for research on antimicrobial substances in foods. Application to benzoic and sorbic acids. (Fre) Boudru, I; Desmet-Paix, L; Debevere, J; Eeckhout, R G; Jacqmain-Goldsmit, E; Seeger, I; Belleghem, M van; Waes, G *Rev Ferment Ind Aliment* 30 (2): 31-35. 1975

021965 S5.R4
What is a quality product? [in agriculture]. (Fre) Piccot, F *Rev Suisse Agric* 7 (5): 161-164. Sept/Oct 1975

20.5 R59 SER. C
Sulfur content in wheat dried in internal-combustion dryers in relation to the sulfur content in fuel [Contamination]. (Pol) Fornal, J; Fornal, L; Babuchowski, K; Bulatek, M *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 25-35. 1975

021966 50.8 R322
Analysis of results of bacteriological examinations of chopped meats, carried out on samples in the Paris region. (Fre) Billon, J; Perpezat, A; Buyser, M L de *RTVA* 14 (115): 7, 9-10. Aug/Sept 1975

021967 50.8 R322
Hygiene, good sense and economy [Food industry]. (Fre) Lemercier, J C *RTVA* 14 (115): 43-45. Aug/Sept 1975

SF221.S6
Comparison of different plate count tests for determining the number of psychrotrophs [Milk contaminants]. Luck, H; Hopkins, F *S Afr J Dairy Technol* 7 (2): 89-94. Ref. June 1975

021968 41.8 SCH9
Nicotinic acid intoxication after ingestion of minced meat. (Ger) Ruosch, W; Graf, A *Schweiz Arch Tierheilkd* 117 (11): 649-654. Ref. Eng. Sum. Nov 1975

021969 61.9 SE5
The improvement of state standards for seeds. (Rus) Konik, B T *Sel Semenovod (Mosk)* 3: 51-54. May/June 1975

021970 61.9 SE5
The methodology of determining the sowing quality of pelleted seeds [of vegetables]. (Rus) Mukhin, V D; Gepting, E F *Sel Semenovod (Mosk)* 3: 56-57. May/June 1975

021971 69.8 T112
A rapid 20-minute method of determining the moisture content of tobacco and Aztec tobacco seeds [Standards]. (Rus) D'iachkin, I I; Ragozina, I A; IAkovuk, A S; Borisova, I I *Tabak* 3: 42. 1975

021972 69.8 T112
What the survey of the consumers of tobacco products has shown. (Rus) Shalatonova, L P; Nikitin, S N; Morgatskii, V N; Fomenko, G N *Tabak* 3: 24-26. 1975

021973 69.8 T112
[Quality] certification of products in the branch [of tobacco industry]. (Rus) Panin, V A; Ukhanova, S A *Tabak* 2: 33-36. 1975

021974 390.9 M39T
Progress towards an international system of beer flavor terminology [Quality]. Clapperton, J F; Dalgliesh, C E; Meilgaard, M C *Tech Q Mast Brew Assoc Am* 12 (4): 273-280. Ref. Oct/Dec 1975

021975 TS1300.T49
Improved durable flame retardancy of polyester/cotton blends. *Text Chem Color* 7 (12): 23-27. Ref. Dec 1975

021976 RA1190.T69
A study of the embryotoxicity of the food colour Ponceau 4R in rats. Meyer, O; Hansen, E V *Toxicology* 5 (2): 201-207. Ref. Nov 1975

021977 474 UM7
Illicitly high pesticide residues in forest berries [and mushrooms]. (Ger) Wellenstein, G *Umschau* 75 (16): 510-512. Ref. Eng. Sum. Aug 15, 1975

20 M66
Bacterial contamination of beet stored in an atmosphere with carbon dioxide. (Bel) Kavaleuski, K M *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 122-125. 1975

021978 41.8 V641
A veterinary-controlled meat and poultry inspection centre in Canada. Adams, J C *Vet Rec* 11 (2): 473-474. Dec 13, 1975

41.8 V641
Meat temperature and EEC [European Economic Community]. Cutting, C L *Vet Rec* 11 (2): 471-472. Dec 13, 1975

021979 41.8 V6439
Occurrence of gram-negative microorganisms in dried milk products. (Cze) Jarchovska, H; Hartmanova, J *Veterinarstvi* 25 (9): 399-400. 1975

021980 321.8 W55
TV and the consumer. Carson, Joan C *What's New Home Econ* 39 (10): 36, 38, 42 Sept 1975

021981 384 Z39
Mass-spectroscopy of aflatoxins [Contaminants of food]. (Ger) Bencze, K; Kiermeier, F; Miller, M *Z Lebensm Unters Forsch* 159 (1): 7-14. Ref. Eng. Sum. 1975

021982 384 Z39
On the contamination of milk and milk products with chlorinated hydrocarbons. I. Methods. (Ger) Clauss, B; Acker, L *Z Lebensm Unters Forsch* 159 (2): 79-84. Eng. Sum. 1975

021983 384 Z39
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. Gupta, S K; Venkitasubramanian, T A *Z Lebensm Unters Forsch* 159 (2): 107-111. Ref. 1975

021984 384 Z39
Total count and bacterial flora of minced meat with special reference to Enterobacteria and Pseudomonas. (Ger) Kleeberger, A; Busse, M *Z Lebensm Unters Forsch* 158 (6): 321-331. Ref. Eng. Sum. 1975

421 Z1
Chemical protection of plants and preservation of human health. (Rus) Medved', L I; Kryzhanovskaia, M V *Zashch Rast* 2: 6-10. Feb 1975

021985 421 Z1
Maximum admissible pesticide residues in food products. (Rus) *Zashch Rast* 5: 40-41. May 1975

021986 448.3 C33 (3)
Growth of Staphylococcus aureus, experimentally inoculated in Damietta cheese. Helmy, Z A; Abd-el-Malek, Y; Mahmoud, A A *Zentralbl Bakteriol Parasitenkd Infektionskrankheiten Hyg II Naturwiss Abt* 130 (5): 468-476. Ref. 1975

021987 448.3 C33 (3)
Incidence of coagulase-positive staphylococci in Damietta cheese. Helmy, Z A; Abd-el-Malek, Y; Mahmoud, A A *Zentralbl Bakteriol Parasitenkd Infektionskrankheiten Hyg II Naturwiss Abt* 130 (5): 461-467. Ref. 1975

021988 49 Z6
Role of sanitation in the adoption of the All-Union State Standard for milk [Quality]. (Rus) Danilenko, I P *Zhivotnovodstvo* 6: 64-67. June 1975

HUMAN NUTRITION

021989 QP901.A33
Diet in the management of hyperlipidemic patients. Mancini, M; Farinaro, E; Moro, C O; Di Marino, L; Rubba, R; Postiglione, A; Oriente, P *Adv Exp Med Biol* 63: 201-219. Ref. 1975

021990 QP901.A33
Modifications of platelet functions by dietary fats. Renaud, S *Adv Exp Med Biol* 63: 265-276. Ref. 1975

021991 QP901.A33
The cockerel as an animal model for atherosclerosis research [Cholesterol diet]. Wong, H Y C *Adv Exp Med Biol* 63: 381-391. Ref. 1975

021992 QP901.A33
The effects of tolbutamide on the development of atherosclerosis in rhesus monkeys fed an average American table-prepared diet. Wissler, R W; Borensztajn, J; Rubenstein, A; Getz, G; Vesselinovitch, D *Adv Exp Med Biol* 63: 579-380. 1975

021993 385 AG8B
Effect of glucose and Fructose in the protein-repletion diet fed after protein-depletion on some blood constituents of rats. Aoyama, Y; Ikeyama, G; Ashida, K *Agric Biol Chem* 39 (11): 2101-2105. Ref. Nov 1975

58.8 AG83
Plant juice protein: the promise, the problems [Alfalfa, processing, equipment]. *Agric Eng (St Joseph, Mich)* 56 (12): 14-17. Dec 1975

021994 1.98 AG84
New light on zinc [Trace element deficiencies]. U.S. Agricultural Research Service *Agric Res* 24 (7): 3-4. Jan 1976

021995 1.98 AG84
[Xanthan gum from Xanthomonas campestris] for strength and elasticity [Protein sources]. U.S. Agricultural Research Service *Agric Res* 24 (6): 3-4. Dec 1975

021996 389.8 J824
A program for total parenteral nutrition at home. Shils, M E *Am J Clin Nutr* 28 (12): 1429-1435. Dec 1975

021997 389.8 J824
Comparison of the nutritional status of pregnant adolescents with adult pregnant women. II. Anthropometric and dietary findings. Morse, E H; Clarke, R P; Merrow, S B; Thibault, B E *Am J Clin Nutr* 28 (12): 1422-1428. Ref. Dec 1975

021998 389.8 J824
Effect of maternal sucrose intake on the metabolic patterns of mature rat progeny. Berdanier, C D *Am J Clin Nutr* 28 (12): 1416-1421. Ref. Deç 1975

021999 389.8 J824
Effect of wheat fiber on blood lipids, fecal steroid excretion and serum iron [in human nutrition]. Jenkins, D J A; Hill, M S; Cummings, J H *Am J Clin Nutr* 28 (12): 1408-1411. Ref. Dec 1975

022000 389.8 J824
Effects of betel nut and fermented fish on the thiamin status of northeastern Thais. Vimokesant, S L; Hilker, D M; Nakornchai, S; Rungruangsak, K; Dhanamitta, S *Am J Clin Nutr* 28 (12): 1458-1463 Ref. Dec 1975

022001 389.8 J824
Food intake, its relationship to body weight and age, and its apparent nutritional adequacy in New Guinean children. Ferro-Luzzi, A; Norgan, N G; Durnin, J V G A *Am J Clin Nutr* 28 (12): 1443-1453. Ref. Dec 1975

022002 389.8 J824
Important role of tryptophan on albumin synthesis in patients suffering from anorexia nervosa and hypoalbuminemia. Yap, S H; Hafkenscheid, J C M; Tongeren, J H M van *Am J Clin Nutr* 28 (12): 1356-1363. Ref. Dec 1975

022003 389.8 J824
Inability of chronic alcoholics with liver disease to use food as a source of folates, thiamin and vitamin B6. Baker, H; Frank, O; Zetterman, R K; Rajan, K S; Hove, W ten; Leevy, C M *Am J Clin Nutr* 28 (12): 1377-1380. Ref. Dec 1975

022004 389.8 J824
Interrelationships of insulin, glucose, lipid and anthropometric data in a natural population. Gibson, T C; Horton, E S; Whorton, E B *Am J Clin Nutr* 28 (12): 1387-1394. Ref. Dec 1975

022005 389.8 J824
Malnutrition studies in Macaca mulatta. IV. Energy and protein consumption during growth failure and "catch-up" growth. Kerr, G R; el Lozy, M; Scheffler, G *Am J Clin Nutr* 28 (12): 1364-1376. Ref. Dec 1975

022006 389.8 J824
Megavitamin E supplementation in man. Farrell, P M; Bieri, J G *Am J Clin Nutr* 28 (12): 1381-1386. Ref. Dec 1975

022007 389.8 J824
Nutritional survey in an iron- and folate-deficient popuation. Levy, S; Rachmilewitz, M; Grossowicz, N; Reshef, Y; Izak, G *Am J Clin Nutr* 28 (12): 1454-1457. Dec 1975

022008 389.8 J824
Serum cholesterol and bowel flora in the newborn [Escherichia coli, Lactobacilli]. Harrison, V C; Peat, G *Am J Clin Nutr* 28 (12): 1351-1355. Ref. Dec 1975

022009 389.8 J824
Stimulation of albumin synthesis by amino acids following partial hepatectomy in the rat. Kirsch, R E; Lloyd, E A; Frith, L O 'C; Gordon, B; Saunders, S J *Am J Clin Nutr* 28 (12): 1412-1415. Dec 1975

022010 389.8 J824
Twenty-four hour urinary excretion of vitamins, minerals and nitrogen by Eskimos. Ellestad-Sayed, J; Ildes, J A; Schaefer, O; Lobban, M C *Am J Clin Nutr* 28 (12): 1402-1407. Map. Ref. Dec 1975

022011 389.8 J824
Vitamin A nutritional status of rural community of Khol block in Haryana, North India. Tandon, B N; Ramachandran, K; Nath, L M; Sood, N N; Gahlot, D K; Gupta, M C; Wali, J P; Sinha, S N; Hasteer, P C; Kutty, P R *Am J Clin Nutr* 28 (12): 1436-1442. Dec 1975

022012 447.8 AM3
Vitamin D-dependent, particulate calcium-binding activity and intestinal calcium transport. Kowarski, S; Schachter, D *Am J Physiol* 229 (5): 1198-1204. Ref. Nov 1975

022013 16 T63
Biological and zootechnical problems relating to nutritional requirements for conventional and nonconventional proteins: production, availability and consumption. (Ita) Masoero, P *Ann Accad Agric Torino* 116: 129-151. Ref. 1973/1974

022014 500 N484
A controlled clinical trial of ascorbic acid for the common cold. Lewis, T L; Karlowski, T R; Kapikian, A Z; Lynch, J M; Shaffer, G W; George, D A; Chalmers, T C *Ann N Y Acad Sci* 258: 505-512. Ref. 1975

022015 500 N484
Activation of prolyl hydroxylase in fibroblasts by ascorbic acid. Cardinale, G J; Stassen, F L H; Kuttan, R; Udenfriend, S *Ann N Y Acad Sci* 258: 278-287. Ref. 1975

022016 500 N484
Alteration in human granulocyte function after in vitro incubation with L-ascorbic acid. Smith, W B; Shohet, S B; Zagajeski, E; Lubin, B H *Ann N Y Acad Sci* 258: 329-338. Ref. 1975

022017 500 N484
Ascorbate oxidase and related copper proteins. Dawson, C R; Strothkamp, K G; Krul, K G *Ann N Y Acad Sci* 258: 209-220. Ref. 1975

022018 500 N484
Ascorbic acid and electron transport. Weis, W *Ann N Y Acad Sci* 258: 190-200. Ref. 1975

022019 500 N484
Ascorbic acid and cytochromes. Degkwitz, E; Walsch, S; Dubberstein, M; Winter, J *Ann N Y Acad Sci* 258: 201-208. Ref. 1975

022020 500 N484
Ascorbic acid and collagen synthesis in cultured fibroblasts. Levene, C I; Bates, C J *Ann N Y Acad Sci* 258: 288-306. Ref. 1975

022021 500 N484
Ascorbic acid and athletic performance. Howald, H; Segesser, B; Korner, W F *Ann N Y Acad Sci* 258: 458-464. Ref. 1975

022022 500 N484
Ascorbic acid function and metabolism during colds. Wilson, C W M *Ann N Y Acad Sci* 258: 529-539. Ref. 1975

022023 500 N484
Ascorbic acid in cholesterol and bile acid metabolism. Ginter, E *Ann N Y Acad Sci* 258: 410-421. Ref. 1975

022024 500 N484
Ascorbic-2-sulfate metabolism by human fibroblasts. Bond, A D *Ann N Y Acad Sci* 258: 307-313. Ref. 1975

022025 500 N484
Biological variation in ascorbic acid needs. Yew, M L S *Ann N Y Acad Sci* 258: 451-457. Ref. 1975

022026 500 N484
Blocking the formation of N-nitroso compounds with ascorbicacid in vitro and in vivo [Caricinogens]. Mirvish, S S *Ann N Y Acad Sci* 258: 175-180. Ref. 1975

022027 500 N484
Changes in ascorbic acid metabolism of the offspring following high maternal intake of this vitamin in the pregnant guinea pig. Norkus, E P; Rosso, P *Ann N Y Acad Sci* 258: 401-409. Ref. 1975

022028 500 N484
Chemistry and metabolism of ascorbic acid and ascorbate sulfate. Tolbert, B M; Downing, M; Carlson, R W; Knight, M K; Baker, E M *Ann N Y Acad Sci* 258: 48-69. Ref. 1975

022029 500 N484
Clinical pharmacological aspects of ascorbic acid. Wilson, C W M *Ann N Y Acad Sci* 258: 355-376. Ref. 1975

022030 500 N484
Current status of vitamin C and future horizons. King, C G *Ann N Y Acad Sci* 258: 540-545. 1975

022031 500 N484
Distribution of ascorbic acid, metabolites and analogues in man and animals. Hornig, D *Ann N Y Acad Sci* 258: 103-118. Ref. 1975

022032 500 N484
Effect of ascorbic acid on amine-nitrite toxicity [Food additives]. Kamm, J J; Dashman, T; Conney, A H; Burns, J J *Ann N Y Acad Sci* 258: 169-174. Ref. 1975

022033 500 N484
Effect of ascorbic acid deficiency on the permeability and collagen biosynthesis of oral mucosal epithelium. Alfano, M C; Miller, S A; Drummond, J F *Ann N Y Acad Sci* 258: 253-263. Ref. 1975

022034 500 N484
Effects of ascorbic acid on health parameters in guinea pigs. Veen-Baigent, M J; Cate, A R T; Bright-See, E; Rao, A V *Ann N Y Acad Sci* 258: 339-354. Ref. 1975

022035 500 N484
Function of ascorbic acid in collagen metabolism. Barnes, M J *Ann N Y Acad Sci* 258: 264-277. Ref. 1975

022036 500 N484
Instability and function: ascorbic acid and glutaminyl and asparaginyl residues. Robinson, A B; Richheimer, S L *Ann N Y Acad Sci* 258: 314-316. Ref. 1975

022037 500 N484
Large-scale trials of vitamin C. Anderson, T W *Ann N Y Acad Sci* 258: 498-504. 1975

022038 500 N484
Liquid chromatographic analysis of ascorbate and ascorbate-2-sulfate. Bigler, W N *Ann N Y Acad Sci* 258: 70-71. 1975

022039 500 N484
Metabolism of ascorbic acid and ascorbic-2-sulfate in man and the subhuman primate. Baker, E M; Halver, J E; Johnsen, D O; Joyce, B E; Knight, M K; Tolbert, B M *Ann N Y Acad Sci* 258: 72-80. Ref. 1975

022040 500 N484
Panel discussion [Vitamin C]. Beaton, G H; Hodges, R E; Darby, W J; Barness, L A *Ann N Y Acad Sci* 258: 546-552. 1975

022041 500 N484
Protective effects of ascorbic acid against toxicity of heavy metals. Fox, M R S *Ann N Y Acad Sci* 258: 144-150. Ref. 1975

022042 500 N484
Relationships of protein and mineral intake to L-ascorbic acid metabolism, including considerations of some directly related hormones. Chatterjee, G C; Majumder, P K; Banerjee, S K; Roy, R K; Ray, B; Rudrapal, D *Ann N Y Acad Sci* 258: 382-400. Ref. 1975

022043 500 N484
Relationships of ascorbic acid to pregnancy, and oral contraceptive steroids. Rivers, J M; Devine, M M *Ann N Y Acad Sci* 258: 465-482. Ref. 1975

022044 500 N484
Safety considerations with high ascorbic acid dosage. Barness, L A *Ann N Y Acad Sci* 258: 523-528. Ref. 1975

022045 500 N484
Second conference on vitamin C. King, C G ed; Burns, J J ed *Ann N Y Acad Sci* 258, 552 P. Ref. 1975

022046 500 N484
Some aspects of current vitamin C usage: diminished high-altitude resistance following overdosage. Schrauzer, G N; Ishmael, D; Kiefer, G W *Ann N Y Acad Sci* 258: 377-381. Ref. 1975

022047 500 N484
Some properties of the ascorbate free radical. Bielski, B H J; Richter, H W; Chan, P C *Ann N Y Acad Sci* 258: 231-237. Ref. 1975

022048 500 N484
The recommended dietary allowances for ascorbic acid. Harper, A E *Ann N Y Acad Sci* 258: 491-497. 1975

022049 500 N484
Tissue changes induced by marginal vitamin C deficiency. Sulkin, N M; Sulkin, D F *Ann N Y Acad Sci* 258: 317-328. Ref. 1975

022050 500 N484
Vitamin C and cigarette smokers. Pelletier, O *Ann N Y Acad Sci* 258: 156-168. Ref. 1975

022051 500 N484
Vitamin C and upper respiratory illness in Navaho children: preliminary observations (1974). Coulehan, J L; Kapner, L; Eberhard, S; Taylor, F H; Rogers, K D *Ann N Y Acad Sci* 258: 513-522. Ref. 1975

022052 500 N484
Vitamin C status: methods and findings. Sauberlich, H E *Ann N Y Acad Sci* 258: 438-450. Ref. 1975

022053 AS21.A75U45
Portion sizes and day's intakes of selected foods. Pao, E M; Burk, M C; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 67, 70 P. Dec 1975

022054 41.8 AU72
Nutrition of orphan marsupials [reared on cow's milk]. Stephens, T *Aust Vet J* 51 (10): 453-458. Ref. Oct 1975

022055 500 AM322A
Nutritional and physiological effects of nitrates, nitrites, and nitrosamines. Shirley, R L *BioScience* 25 (12): 789-794. Ref. Dec 1975

022056 389.8 B773
A dietary survey of older people in Edinburgh. Lonergan, M E; Milne, J S; Maule, M M; Williamson, J *Br J Nutr* 34 (3): 517-527. Ref. Nov 1975

022057 389.8 B773
Metabolic studies of [75Se]selenocystine and [75Se]selenomethionine in the rat. Thomson, C D; Robinson, B A; Stewart, R D H; Robinson, M F *Br J Nutr* 34 (3): 501-509. Nov 1975

022058 389.8 B773
Serum coloidal osmotic pressure in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and oedema [Malnutrition]. Coward, W A *Br J Nutr* 34 (3): 459-467. Ref. Nov 1975

022059 389.8 B773
The effects of dietary calcium and phosphorus on the retention and excretion of lead in rats. Quarterman, J; Morrison, J N *Br J Nutr* 34 (3): 351-362. Ref. Nov 1975

022060 389.8 B773
Variations in the apparent nutrient content of foods: a study of sampling error. Yuk, A W C C; Wheeler, E F; Leppington, I M *Br J Nutr* 34 (3): 391-396. Ref. Nov 1975

022061 389.8 B773
Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. Tonder, S V van; Metz, J; Green, R *Br J Nutr* 34 (3): 397-410. Ref. Nov 1975

022062 100 W27E
Problems in the management of the National School Lunch Program in Washington school districts. Price, D W; Price, D Z; Womach, J; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 817, 19 P. Oct 1975

022063 505 P21 (3)
Effect of magnesium deficiency on responsiveness to 1-25 dihydroxycholecalciferol injection in vitamin D deficient rats. (Fre) Rayssiguier, Y; Carre, M; Ayigbede, O; Miravet, L *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 731-734. Ref. Eng. Sum. Sept 15, 1975

022064 59.8 C333
The nutritional value of bread. Mickelson, Olaf *Cereal Foods World* 20 (7): 308-310 July 1975

022065 TX341.F63
The uses and abuses of baby food. Helsing, E; Food and Agriculture Organization of the United Nations *Ceres* 8 (5): 57-59. Sept/Oct 1975

022066 QP456.C5
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result [Thresholds for odor and taste]. Drake, B *Chem Senses Flavor* 1 (4): 519-531. Oct 1975

022067 QP456.C5
Psychometric classification of odors [Includes food odors]. Yoshida, M *Chem Senses Flavor* 1 (4): 443-464. Ref. Oct 1975

022068 QP456.C5
Taste of acetylated amino acids. Schiffman, S; Moroch, K; Dunbar, J *Chem Senses Flavor* 1 (4): 387-401. Ref. Oct 1975

022069 QP456.C5
The hedonic tones [liking or disliking] of artificial sweeteners and their mixtures. Moskowitz, H R; Klarman, L *Chem Senses Flavor* 1 (4): 423-429. Oct 1975

022070 QP456.C5
The tastes of artificial sweeteners and their mixtures. Moskowitz, H R; Klarman, L *Chem Senses Flavor* 1 (4): 411-421. Ref. Oct 1975

022071 275.29 AR4
Easy meals for busy days [Recipes]. Johnson, F K; Arkansas University Cooperative Extension Service *Circ Agric Ext Serv Univ Arkansas Div Agric* 484, Rev., 20 P. Aug 14, 1975

022072 275.29 AR4
Home freezing of fruits, vegetables, meats, and other foods. Johnson, F K; Arkansas University Cooperative Extension Service *Circ Agric Ext Serv Univ Arkansas Div Agric* 501, Rev., 28 P. Nov 4, 1975

022073 QP351.D4
The effect of chronic protein malnutrition on trans-callosal evoked responses in the rat. Forbes, W B; Resnick, O; Stern, W C; Bronzino, J D; Morgane, P J *Dev Psychobiol* 8 (6): 503-509. Ref. Nov 1975

022074 QP351.D4
The use of habituation in the study of the effects of infantile malnutrition. Lester, B M; Klein, R E; Martinez, S J *Dev Psychobiol* 8 (6): 541-546. Ref. Nov 1975

022075 389.8 D482
Egyptian prunes kernel seeds [Nutritive value]. Salem, S A; Elias, A N *Dtsch Lebensm Rundsch* 71 (10): 353-354. Oct 1975

022076 TX341.E3
Changing food and medical beliefs and practices in a Guatemalan community. Cosminsky, S *Ecol Food Nutr* 4 (3): 183-191. Ref. 1975

022077 TX341.E3
Chemical composition, protein quality and protein value of Opaque-2 and other varieties of maize at different stages of ripening. Pak, N; Barja, I; Tagle, M A *Ecol Food Nutr* 4 (3): 177-181. Ref. 1975

022078 TX341.E3
Hazards of overuse of vitamin D. *Ecol Food Nutr* 4 (3): 193-194. 1975

022079 TX341.E3
Nutritional considerations concerning the staple foods of the English-speaking Caribbean. Gurney, J M *Ecol Food Nutr* 4 (3): 171-175. Ref. 1975

022080 TX341.E3
Problems in sibling matching designs: a case report [Effects of malnutrition]. Christiansen, N; Herrera, M G *Ecol Food Nutr* 4 (3): 153-158. Ref 1975

022081 TX341.E3
Role of lactation in the nutrition of low socio-economic groups. Chavez, A; Martinez, C; Bourges, H *Ecol Food Nutr* 4 (3): 159-169. Ref. 1975

022082 TX341.E3
The ecology of the nutrition of the Bapedi, Sekhukuniland. Waldmann, E *Ecol Food Nutr* 4 (3): 139-151. Map. Ref. 1975

022083 QP501.E8
Heterogeneity of human milk beta(1-4)-D-galactosyltransferase. Prieels, J P; Maes, E; Dolmans, M; Leonis, J *Eur J Biochem* 60 (2): 525-531. Ref. Dec 1975

022084 475 EX7
Increased sensitivity to pentobarbital in rats fed a diet lacking flavonoids. Foldi, M; Foldi-Borcsok, E *Experientia* 31 (11): 1308-1309. Nov 15, 1975

022085 275.29 M66S
Making cheese at home. Zottola, E A; Morris, H A; Minnesota University Agricultural Extension Service *Ext Bull Agric Ext Serv Univ Minn* 395, 23 P. 1975

022086 A321.9 R31
Nutrient intake of women. Redstrom, Ruth A *Fam Econ Rev* P. 22-24 Fall 1973

022087 A321.9 R31
Nutrient needs and food costs of women. Chassy, Judy P *Fam Econ Rev* P. 20-22 Fall 1973

022088 A321.9 R31
Vegetarian diets. Raper, Nancy R *Fam Econ Rev* P. 14-16 Summer 1974

022089 A321.9 R31
Zinc in foods. Willis, Barbara Wells; Mangubat, Ann P *Fam Econ Rev* P. 16-17 Spring 1975

022090 S19.F37
Fruits and vegetables in human diet. Mathur, N K *Farmer Parliament* 10 (4): 17, 28. Apr 1975

022091 ATX341.F615
Bagels for the bicentennial [School lunch menus]. Watts, M; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 11. Dec 1975

022092 389.9 AU73
Educational techniques in nutrition. Hansen, I V *Food Nutr Notes Rev* 32 (5/6): 77-84 May/June 1975

022093 389.9 AU73
The saccharine disease. Cleave, T L *Food Nutr Notes Rev* 32 (3/4): 48-51 Mar/Apr 1975

022094 389.9 AU73
Nutritional factors in alcoholism. Wood, B *Food Nutr Notes Rev Aust Inst Anat* 32 (7/8): 127-134. Ref. July/Aug 1975

022095 389.9 AU73
Tasmanian school canteen survey. Coy, J F *Food Nutr Notes Rev Aust Inst Anat* 32 (7/8): 119-126. July/Aug 1975

022096 389.9 AU73
TV advertising and its effects on children's eating habits. Tebbutt, M W *Food Nutr Notes Rev Aust Inst Anat* 32 (7/8): 113-118. Ref. July/Aug 1975

022097 389.2538 F732
Accounting for decision-making. Burley, Kenneth R *Food Serv Mark* 37 (11): 10, 12 Nov 1975

022098 321.8 H752
Play it smart, eat a well-balanced diet. *Forecast Home Econ* 21 (4): F26 Dec 1975

022099 80 F9493
Observations on the richness of vitamin C of apples and pears of the 1974 harvest in the Gembloux region. (Fre) Trzcinski, T; Vandermeir, M A *Fruit Belg* 43 (371, Special No.): 181-184. Third Quarter 1975

022100 308.8 G44
The peanut and peanut butter. Beckman, David L *Givaudan Flavor* (4): 1-4 1975

022101 TX1.H6
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. Engler, Pamela P; Bowers, Jane A *Home Econ Res J* 4 (1): 27-31 Sept 1975

022102 TX1.H6
Nutritional adequacy of diets of a selected group of low-income women: identification of some related factors. Johnson, Nancy E; Nitzke, Susan *Home Econ Res J* 3 (4): 241-248 June 1975

022103 1 AG84HG
Food guide for older folks [Recipes]. Walker, M A; Hill, M M; U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 17, Slightly Rev., 19 P. Aug 1974

022104 410 H992
Proximate nutritive value changes during decomposition of salt marsh plants [Spartina cynosuroides, Distichlis spicata, Scirpus americanus]. De La Cruz, A A *Hydrobiologia* 47 (3/4): 475-480. Ref. Dec 1, 1975

44.8 IN26
Fermented lactic acid products and their dietetic properties: yoghurt, bioghurt and biogarde. (Spa) Zurazynski, A; Sinesen, V A; Rakshy, S E S E *Ind Leche* 55 (643): 15-16, 18. (Continued) May/June 1975

44.8 IN26
Fermented lactic acid products and their dietetic properties: yoghurt, bioghurt and biogarde. (Spa) Surazynski, A; Dinesen, V A; Rakshy, S E S E *Ind Leche* 55 (641): 17-21. (Continued) Jan/Feb 1975

44.8 IN26
Quantity of lysine in dried milk processed using different techniques. (Spa) Bruel, A M R van den; Jenneskens, P J; Mol, J J *Ind Leche* 55 (641): 9-11, 26-29. Ref. Jan/Feb 1975

022105 S3.I5
Food value of some guar (Cyamopsis psoralioides) varieties. Mehrotra, O N; Tripathi, R D; Srivastava, G P; Misra, M C *Indian J Agric Res* 9 (1/2): 37-42. Ref. Mar/June 1975

022106 QP501.I48
Sex differences in susceptibility to experimental induction of pantothenic acid deficiency in rats. Srinivasan, V; Belavady, B *Indian J Biochem* 12 (2): 185-187. Ref. June 1975

022107 QP141.A1J6
Effect of different dietary protein intake on urinary creatinine excretion in adults. Mongia, S P; Sharma, H S; Vyas, C R *Indian J Nutr Diet* 12 (7): 206-210. Ref. July 1975

022108 QP141.A1J6
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of albino rats fed different pulse proteins. Chakrabarti, C H; Banerjee, U *Indian J Nutr Diet* 12 (9): 292-297. Ref. Sept 1975

022109 QP141.A1J6
Protein degradation studies in lucerne juice [stored at different temperatures]. Balasundaram, C S; Chandramani, R; Krishnamoorthy, K K *Indian J Nutr Diet* 12 (9): 285-287. Sept 1975

022110 QP141.A1J6
Relationship between diet during pregnancy and nutritional status of the new born [child]. Vijayalakshmi, R; Jacob, M; Devadas, R P *Indian J Nutr Diet* 12 (8): 233-237. Aug 1975

022111 QP141.A1J6
Studies on the biological evaluation of guar (Cyamopsistetragonoloba). I. Effects of trypsin supplementation on the nutritive value of guar. Ahuja, B S; Chopra, A K *Indian J Nutr Diet* 12 (7): 211-215. Ref. July 1975

022112 QP141.A1J6
Supplementary value of leaf protein and groundnut meal in the diet of preschool children. Kamalanathan, G; Karuppiah, P; Devadas, R P *Indian J Nutr Diet* 12 (7): 203-205. July 1975

022113 TX1.I55
Menu loved in December as listed in May. *Instit/vol Feeding* 75 (9): 43 Nov 1, 1975

022114 442.9 AK124
Providing the organism of cotton-picking machine operators with vitamins C and B2 during spring-summer period in Turkmenistan. (Rus) Grafova, V A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 54-58. Ref. Eng. Sum. 1975

022115 381 J8223
Comparisons of methods for calculating retentions of nutrients in cooked foods. Murphy, E W; Criner, P E; Gray, B C *J Agric Food Chem* 23 (6): 1153-1157. Ref. Nov/-Dec 1975

022116 381 J8223
Synthesis and flavor properties of some alkyl-substituted alpha-pyrone derivatives [Food flavorings]. Pittet, A O; Klaiber, E M *J Agric Food Chem* 23 (6): 1189-1195. Ref. Nov/Dec 1975

022117 389.8 AM34
A computer-tallied [hospital] menu system. Orser, J; Mutschler, M *J Am Diet Assoc* 67 (6): 570-572. Dec 1975

022118 389.8 AM34
Beverage consumption patterns in New York State. Cook, Carolyn B; Eiler, Doyle A; Forker, Olan D *J Am Diet Assoc* 67 (3): 222-227 Sept 1975

022119 389.8 AM34
Chilled food systems; effects of chilled holding on quality of beef loaves. Zallen, Eugenia M; Hitchcock, Mary Jo; Goertz, Grayce E *J Am Diet Assoc* 67 (6): 552-557 Dec 1975

022120 389.8 AM34
Comprehensive evaluation of fatty acids in foods, part 3, eggs and egg products. Posati, Linda P; Kinsella, John E; Watt, Bernice K *J Am Diet Assoc* 67 (2): 111-115 Aug 1975

022121 389.8 AM34
Effect of family life-cycle stage on concerns about food selection. Cross, Barbara; Herrman, Robert O; Warland, Rex H *J Am Diet Assoc* 67 (2): 131-134 Aug 1975

022122 389.8 AM34
Evaluation of a low-lactose nutritional supplement in malnourished children. Maclean, W C Jr; Graham, G G *J Am Diet Assoc* 67 (6): 558-564. Ref. Dec 1975

022123 389.8 AM34
Functions of dietetic personnel in ambulatory care. Scialabba, M A *J Am Diet Assoc* 67 (6): 545-552. Ref. Dec 1975

022124 389.8 AM34
Hydroxyproline index: an indicator of nutritional status; study of Mississippi children. Futrell, Mary F; Windham, Frances; Kilgore, Lois T *J Am Diet Assoc* 67 (2): 125-128 Aug 1975

022125 389.8 AM34
Natural toxicants in foods. Coon, Julius M *J Am Diet Assoc* 67 (3): 213-218 Sept 1975

022126 389.8 AM34
Nutrition, human welfare, and economics. *J Am Diet Assoc* 67 (2): 104-106 Aug 1975

022127 389.8 AM34
Nutritional knowledge of health food users in Oahu, Hawaii. Anderson, Mary A; Standal, Bluebell R *J Am Diet Assoc* 67 (2): 116-121 Aug 1975

022128 389.8 AM34
Protein value of two imitation milks. Mitchell, M E; Hu, M *J Am Diet Assoc* 67 (6): 564-569. Ref. Dec 1975

022129 389.8 AM34
Protein value of two imitation milks; chemical and biologic assays. Mitchell, Madeleine E; Hu, Monica *J Am Diet Assoc* 67 (6): 564-569 Dec 1975

022130 389.8 AM34
The A.D.A. [American Dietetic Association] registration examination. Henry, S *J Am Diet Assoc* 67 (6): 541-544. Dec 1975

022131 389.8 AM34
The dietary status of new vegetarians. Brown, P T; Bergan, J G *J Am Diet Assoc* 67 (5): 455-459 Nov 1975

022132 389.8 AM34
The public seminar as a nutrition education approach. Podell, Richard N *J Am Diet Assoc* 67 (5): 460-463 Nov 1975

022133 QP1.J725
Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. Teplyi, D L; Ibragimov, F Kh *J Evol Biochem Physiol* 11 (1): 47-51. Ref. Jan/Feb 1975

022134 389.8 J82
Calcium kinetics in the Solanum malacoxylon-treated rat. Cabrejas, M; Ladizesky, M; Mautalen, C A *J Nutr* 105 (12): 1562-1566. Ref. Dec 1975

022135 389.8 J82
Cardiac structure and function in vitamin B-12-deprived rats. Petersen, B J; Vahouny, G V *J Nutr* 105 (12): 1567-1577. Ref. Dec 1975

022136 389.8 J82
Effects of low and high protein diets on the induction of microsomal drug-metabolizing enzymes in rat liver. Sachan, D S *J Nutr* 105 (12): 1631-1639. Ref. Dec 1975

022137 389.8 J82
Effects of quantity and quality of. dietary protein and variation in certain enzyme activities on glucose metabolism in the rat. Peret, J; Chanez, M; Cota, J; Macaire, I *J Nutr* 105 (12): 1525-1534. Ref. Dec 1975

389.8 J82
Effects of some nutritional deficiences on parturition in rats. Apgar, J *J Nutr* 105 (12): 1553-1561. Ref. Dec 1975

022138 389.8 J82
Hepatic nicrosomal enzyme induction in rats fed varietal cauliflower leaves. Babish, J G; Stoewsand, G S *J Nutr* 105 (12): 1592-1599. Ref. Dec 1975

389.8 J82
Influence of excess vitamin E on vitamin A toxicity in rats. Jenkins, M Y; Mitchell, G V *J Nutr* 105 (12): 1600-1606. Ref. Dec 1975

022139 389.8 J82
Metabolic studies on the development of ethanol-induced fatty liver in KK-Ay mice. Arakawa, M; Taketomi, S; Furuno, K; Matsuo, T; Iwatsuka, H; Suzuoki, Z *J Nutr* 105 (12): 1500-1508. Ref. Dec 1975

022140 389.8 J82
Metabolism and biological activity of cis- and trans-phylloquinone in the rat [Vitamin K]. Knauer, T E; Siegfried, C; Willingham, A K; Matschiner, J T *J Nutr* 105 (12): 1519-1524. Ref. Dec 1975

389.8 J82
Nickel deficiency and nickel-rhodiuminteraction in chicks. Nielsen, F H; Myron, D R; Givand, S H; Ollerich, D A *J Nutr* 105 (12): 1607-1619. Ref. Dec 1975

022141 389.8 J82
Nickel deficiency in rats. Nielsen, F H; Myron, D R; Givand, S H; Zimmerman, T J; Ollerich, D A *J Nutr* 105 (12): 1620-1630. Ref. Dec 1975

022142 389.8 J82
Protection against zinc deficienc by prior excess dietary zinc in young Japanese quail. Harland, B F; Fox, M R S; Fay, B E Jr *J Nutr* 105 (12): 1509-1518. Ref. Dec 1975

022143 396.9 P49
Polarographic study of the reaction of vitamin K3 with thiol compounds in aqueous ethanol. (Jpn) Hayakawa, Y; Takamura, K *J Pharm Soc Jap* 95 (10): 1173-1178. Ref. Eng. Sum. Oct 1975

022144 447.8 J823
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or groundnut oil. (Fre) Lecerf, J; Bezard, J *J Physiol (Paris)* 70 (4): 493-503. Ref. Eng. Sum. 1975

447.8 J823
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in protein and nucleic acids contents of the rat liver. (Fre) Pipy, B; Gaillard, D; Derache, R *J Physiol (Paris)* 70 (3): 287-297. Ref. Eng. Sum. 1975

022145 382 SO12
A comparison of the protein nutritive value and composition of four cultivars of faba beans (Vicia faba L.) grown and harvested under controlled conditions. Palmer, R; Thompson, R *J Sci Food Agric* 26 (10): 1577-1583. Oct 1975

022146 382 SO12
Enzymatic determination of the indigestible residue (dietary fibre) content of human food. Hellendoorn, E W; Noordhoff, M G; Slagman, J *J Sci Food Agric* 26 (10): 1461-1468. Ref. Oct 1975

022147 382 SO12
Influence of glucosinolates and high-molecular factors on the nutritional value of low-glucosinolate rapeseed meal. Josefsson, E *J Sci Food Agric* 26 (9): 1299-1310. Ref. Sept 1975

022148 382 SO12
The nutritional and therapeutic value of tea —a review. Stagg, G V; Millin, D J *J Sci Food Agric* 26 (10): 1439-1459. Ref. Oct 1975

022149 442.8 L62
Nutritional effects of nitrogen-free analogues of essential amino acids. Walser, M *Life Sci* 17 (7): 1011-1020. Ref. Oct 1, 1975

022150 QP751.L5
Effect of diet on fatty acids in the lipoprotein cholesteryl esters of type IIa and normal individuals. Newton, R S; Pitas, R E; Jensen, R G *Lipids* 10 (12): 858-862. Ref. Dec 1975

022151 QP751.L5
Effects of dietary triglyceride on the properties and lipid composition of plasma lipoproteins: acute experiments in rats fed safflower oil. Dunn, G D; Wilcox, H G; Heimberg, M *Lipids* 10 (12): 773-782. Ref. Dec 1975

022152 QP751.L5
Hepatoma, host liver, and normal rat liver phospholipids as affected by diet. Wood, R *Lipids* 10 (12): 736-745. Ref. Dec 1975

022153 QP751.L5
Intestinal lipid absorption: evidence for an intrinsic defect of chylomicron secretion by normal rat distal intestine. Sabesin, S M; Holt, P R; Clark, S B *Lipids* 10 (12): 840-846. Ref. Dec 1975

022154 QP751.L5
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by chemical ionization reconstructed mass chromatography. [Human atherosclerosis]. Petty, F; Ragland, J B; Kuiken, L B; Sabesin, S M; Wander, J D *Lipids* 10 (12): 800-803. Dec 1975

022155 298.8 N46
A primer on vitamins. Damon, G Edward *Macaroni J* 57 (4): 24, 26 Aug 1975

022156 298.8 N46
Starch in nutrition. *Macaroni J* 57 (4): 20-21 Aug 1975

022157 1 AG84MR
Basic labor productivity measures for popular breakfast menu items [Food service industry]. Freshwater, J F; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1044, 207 P. June 1975

022158 448.8 M56
Chromosomal aberrations in malnutrition [Rats]. Vijayalaxmi, *Metab Clin Exp* 24 (12): 1415-1417. Dec 1975

022159 448.8 M56
Effects of lalpha-hydroxy- vitamin D3 and 1,25-dihydroxy- vitamin D3 on calcium and phosphorus metabolism in hypoparathyroidism. Neer, R M; Holick, M F; DeLuca, H F; Potts, J T Jr *Metab Clin Exp* 24 (12): 1403-1413. Ref. Dec 1975

022160 448.8 M56
Effects of mazindol [anorectic agent] on carbohydrate and insulin metabolism in obesity. Harrison, L C; King-Roach, A P; Sandy, K C *Metab Clin Exp* 24 (12): 1353-1365. Ref. Dec 1975

022161 448.8 M56
Emergence of overt diabetes in offspring of rats with induced latent diabetes. Spergel, G; Khan, F; Goldner, M G *Metab Clin Exp* 24 (12): 1311-1319. Ref. Dec 1975

022162 448.8 M56
Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats following isoproterenol-induced myocardial infarction with superimposed diabetes. Wexler, B C *Metab Clin Exp* 24 (12): 1321-1337. Ref. Dec 1975

022163 448.8 M56
The effect of iodine deficiency on thyroid function in the infant rat. Greer, M A; Panton, P; Greer, S E *Metab Clin Exp* 24 (12): 1391-1402. Ref. Dec 1975

022164 384 M58
Modified method for the estimation of ascorbic acid from preserved juices and squashes. Sarwar, M; Iqbal, Z; Zaidi, S *Mikrochim Acta* 2: 699-704. Ref. 1975

022165 44.8 M5998
Thin layer chromatographic separation methods for the proof of mycotoxins [in dairy products]. (Ger) Sahliger, S *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 107-110. Aug 1975

022166 389.8 N142
Calcium requirements after gastric operations (a balance study). (Ger) Beno, I; Chorvathova, V *Nahrung* 19 (8): 649-655. Ref. Eng. Sum. 1975

022167 389.8 N142
On fenugreek protein (Trigonella foenum graecum [Human nutrition]. (Ger) Elmadfa, I *Nahrung* 19 (8): 683-686. Ref. Eng. Sum. 1975

022168 389.8 N142
The evaluation of new protein sources from the point of view of health [in human nutrition]. (Ger) Wolf, A; Hrivnak, D; Maresova, P; Svabova, M *Nahrung* 19 (8): 657-667. Ref. Eng. Sum. 1975

022169 QH5.N3
Vitamin C. (Ger) Buschhuter, H *Naturwiss Rundsch* 28 (11): 402-404. Ref. Nov 1975

022170 RM214.N8
Cholesterol esterification and lipids in plasma and liver from newborn and young guinea pigs raised on milk and non-milk diet. Drevon, C A; Norum, K R *Nutr Metab* 18 (3): 137-151. Ref. 1975

022171 RM214.N8
Effects of conventional food and of formula diet on gut microflora. (Ger) Zollner, N; Ruckdeschel, G; Wolfram, G *Nutr Metab* 18 (3): 127-136. Eng. Sum. 1975

022172 RM214.N8
Influence of carbohydrate-free protein-rich diet on free alpha-amino nitrogen changes in plasma, erythrocytes and leucocytes [Rats]. Lal, H; Agarwal, K N *Nutr Metab* 18 (3): 152-156. Ref. 1975

RM214.N8
Levels of histidine derivatives in breast muscle of proteindepleted and repleted adult cockerels [During malnutrition]. Fisher, H; Konlande, J; Strumeyer, D *Nutr Metab* 18 (3): 120-126. Ref. 1975

022173 RM214.N8
Nutritional and medical evaluation of sugar exchange materials in oral and parenteral application. (Ger) Franck, R *Nutr Metab* 18 (Suppl. 1): 256-262. 1975

022174 RM214.N8
Stereochemistry of sugar and sugar alcohols in regard to its biochemical and physiological-chemical importance [Nutrition]. (Ger) Heyns, K *Nutr Metab* 18 (Suppl. 1): 1-12. 1975

022175 RM214.N8
Vitamin E and sex behavior in mice [Dietary deficiency]. Thiessen, D D; Ondrusek, G; Coleman, R V *Nutr Metab* 18 (3): 116-119. Ref. 1975

022176 389.8 N957
Alternate protein source comparisons. Veverka, Joy *Nutr News* 38 (3): 10 Oct 1975

022177 RC620.A1N8
Biochemical assessment of the thiamine status in patients with neuroses. Gontzea, Iancu; Gorcea, Viorica; Popescu, Felicia *Nutr Rep Int* 12 (3): 149-153 Sept 1975

022178 RC620.A1N8
Complementary and supplementary value of peanut protein to rice when fed to weanling rats [Diet]. Yayathi, T; Brinkman, G L *Nutr Rep Int* 12 (6): 359-367. Ref. Dec 1975

022179 RC620.A1N8
Effect of germination and cooking on the protein efficiency ratio of some legumes. Jaya, T V; Krishnamurthy, K S; Venkataraman,L V *Nutr Rep Int* 12 (3): 175-183 Sept 1975

022180 RC620.A1N8
Effect of sucrose on recovery of serum albumin concentrations of proteins deficient rats to normal. Grimble, R F *Nutr Rep Int* 12 (6): 331-335. Dec 1975

022181 RC620.A1N8
Effects of glucocorticoid administration on the deposition of fat in the cardiac lipids of rats fed rapeseed oil. Walker, B L *Nutr Rep Int* 12 (6): 399-404. Ref. Dec 1975

022182 RC620.A1N8
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. Whanger, P D; Weswig, P H *Nutr Rep Int* 12 (6): 345-358. Ref. Dec 1975

022183 RC620.A1N8
Gastrointestinal gas production in rats fed on diets containing germinated legumes [Greengram, chickpea and cowpea]. Venkataraman, L V; Jaya, T V *Nutr Rep Int* 12 (6): 387-398. Ref. Dec 1975

022184 RC620.A1N8
Plasma carbohydrate, insulin and hepatic enzyme levels in rats refed sucrose. Michaelis, O E; Szepesi, B *Nutr Rep Int* 12 (6): 369-381. Ref. Dec 1975

022185 RC620.A1N8
Relationships of birthweight, maternal nutrition and infant mortality. Habicht, Jean-Pierre; Institute of Nutrition of Central America and Panama Division of Human Development *Nutr Rep Int* 7 (5): 533-546 May 1973

022186 RC620.A1N8
Sensitivity to physiological hunger cues: are the obese really different. Parham, E S; Keng, H C; Mohiuddin, I *Nutr Rep Int* 12 (6): 383-386. Dec 1975

022187 389.8 N953
The role of dietary carbohydrates in plaque formation and oral disease. Brown, A T *Nutr Rev* 33 (12): 353-361. Ref. Dec 1975

022188 TX341.N8
Dietary requirements of pregnant women. Damodaran, M *Nutrition* 9 (3): 2-8. July 1975

022189 TX341.N8
Effect of maternal malnutrition on maternal health and the outcome of pregnancy. Bhaskaram, C *Nutrition* 9 (3): 15-21. July 1975

022190 TX341.N8
Maternity services [India, includes nutrition]. Rao, N P *Nutrition* 9 (3): 22-32. July 1975

022191 TX341.N8
Nutritional disorders in expectant mothers. Rajalakshmi, K *Nutrition* 9 (3): 9-14. July 1975

022192 S19.O68
Food practices and civilization: relations of nutrition and religion in ancient Rome. (Fre) Csernel, C *Options Mediterr* 5 (29): 81-89. 1975

S19.O68
Induced research on the problem of proteins for human and animal nutrition in France. (Fre) Poly, J *Options Mediterr* 5 (29): 57-63. 1975

022193 S19.O68
Malnutrition, scourge of early childhood. (Fre) Mondot-Bernard, J *Options Mediterr* 5 (29): 75-79. 1975

022194 RM1.P473
Inducibility of mucosal drug-metabolizing enzymes of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. Hietanen, E; Laitinen, M; Lang, M; Vainio, H *Pharmacology* 1113 (4): 287-296. Ref. 1975

022195 382 P56
Inter-and intramolecular effects of tyrosyl residues on flavin triplets and radicals as investigated by flash photolysis [Flavoproteins]. McCormic, D B; Falk, M C; Rizzuto, F; Tollin, G *Photochem Photobiol* 22 (5): 175-181. Ref. Nov 1975

022196 QK99.A1P5
Qualitative study of tocopherols in some legume seeds. (Fre) Cillard, J; Moign, D; Cormier, M; Girre, R L *Plant Med Phytother* 9 (3): 224-229. Ref. July 1975

022197 QP801.P68P729
Influence of dietary vitamin E. Hope, W C; Dalton, C; Machlin, L J; Filipski, R J; Vane, F M *Prostaglandins (Los Altos)* 10 (4): 557-571. Ref. Oct 1975

022198 7 C16PU
Come on into the metric kitchen [Cooking measurements]. *Publ Agric Can* 1564, 7 P. 1975

022199 7 ON8P
Your money's worth in food [Recipes]. *Publ Ont Minist Agric & Food* 470, 78 P. 1975

022200 AHD28.P8
What audit means to a program manager, Food and Nutrition Service. Garnett, S; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 9-10. Aug 1975

100 C76RE
Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. Frier, H I; Hall, R C Jr; Rousseau, J E Jr; Eaton, H D; Nielsen, S W; Connecticut Storrs Agricultural Experiment Station *Res Rep Conn Storrs Agric Exp Stn* 46, 58 P. Ref. July 1975

022201 100 C76RE
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the male weanling rabbit. Donoghue, S; Frier, H I; Hall, R C Jr; Eaton, H D; Nielsen, S W; Rousseau, J E Jr; Connecticut Storrs Agricultural Experiment Station *Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn* 49, 57 P. Ref. Oct 1975

022202 QD415.A1R4
Effect of dietary amino acid imbalance on rat liver protein and DNA. Popescu, A; Farcasiu, M; Croitorescu, L *Rev Roum Biochim* 12 (4): 239-243. Ref. 1975

022203 SF1.R54
Knowing and telling how to eat [Human nutrition]. (Ita) Mainardi, B *Rilancio Agric Vet Zootec* 6 (2/3): 34-36. 1974

022204 SF1.R54
The "complete meat" coupon [Nutritive value]. (Ita) Dominione, C *Rilancio Agric Vet Zootec* 6 (2/3): 20, 22. 1974

022205 470 SCI2
Stimulation in vitro by 1,25-dihydroxyvitamin D3 of intestinal cell calcium uptake and calcium-bindng protein [Rats]. Freund, T; Bronner, F *Science* 190 (4221): 1300-1302. Ref. Dec 26, 1975

022206 470 SCI2
Vitamin B6-responsive and -unresponsive cystathioninuria: two variant molecular forms. Pascal, T A; Gaull, G E; Beratis, N G; Gillam, B M; Tallan, H H; Hirschhorn, K *Science* 190 (4220): 1209-1211. Ref. Dec 19, 1975

022207 389.8 V26
Coconut fat in the diet [Atherosclerosis]. (Swe) Westin, S I *Var Foda* 27 (7): 270-279. Eng. Sum. 1975

022208 389.8 V26
The flora of bacteria in fermented sausages [Food contamination]. (Swe) Lindgren, S; Nilsson, G; Eng-Tornqvist, A L; Brynolf, L *Var Foda* 27 (7): 280-288. Eng. Sum. 1975

022209 448.8 V81
Some characteristics of infectious RNA from potato virus Y. Hinostroza-Orihuela, A M *Virology* 67 (1): 276-278. Ref. Sept 1975

022210 386.3 B54
Biological activity of 1alpha-hydroxyvitamin D3 in anephricrat. (Jpn) Moriuchi, S; Shimura, F; Nashimoto, K; Hosoya, N *Vitamin* 49 (5/6): 225-232. Ref. Eng. Sum. May/June 1975

022211 386.3 B54
Distribution and metabolism of thiamine disulfide in rat organs. (Jpn) Miyazaki, H; Hashimoto, Y; Shiozawa, A; Irie, T *Vitamin* 49 (5/6): 211-223. Ref. Eng. Sum. May/June 1975

022212 386.3 B54
Studies on the oxidative catalytic activity of vitamin B12. VIII. Inhibition of papain by vitamin B12 in the presence of thiol compounds. (Jpn) Harada, K; Hitomi, J; Utsumi, I *Vitamin* 49 (5/6): 201-206. Eng. Sum. May/June 1975

022213 386.3 B54
Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of yeast alcohol dehydrogenase by vitamin B12 in the presence of thiol compounds. (Jpn) Harada, K; Hitomi, H; Utsumi, I *Vitamin* 49 (5/6): 207-210. May/June 1975

022214 389.9 K542
Antioxidant function of tocopherol and possibility of replacing it by synthetic inhibitors [Chemistry]. (Rus) Burlakova, E B; Aristarkhova, S A; Khrapova, N G *Vitaminy* 8: 30-36. Ref. 1975

022215 389.9 K542
Chemistry of vitamin E and its biological derivatives. (Rus) Khafizov, R Kh; Nadirov, N K; Sakaeva, R F *Vitaminy* 8: 7-22. Ref. 1975

022216 389.9 K542
Fluorimetric and gas-chromatographic determination of selenium in biological substances [Human and animal toxicity]. (Rus) Ermakov, V V *Vitaminy* 8: 141-146. Ref. 1975

022217 389.9 K542
Present questions on the biochemistry of vitamin E [Human and animal nutrition]. (Rus) Chagovets, R V; Lakhno, E V *Vitaminy* 8: 3-7. Ref. 1975

022218 389.9 K542
Role of antioxidant activity of lipids in cell metabolism. (Rus) Burlakova, E B *Vitaminy* 8: 37-42. Ref. 1975

022219 389.9 K542
Scientific bases for using inorganic and organic selenium compounds in medicine [Includes human nutrition]. (Rus) Kudrin, A N *Vitaminy* 8: 128-134. Ref. 1975

022220 389.9 K542
Study of antiradical activity of tocopherols by using the chemiluminescent method. (Rus) Khrapova, N G *Vitaminy* 8: 22-30. Ref. 1975

022221 389.9 K542
Use of vitamin E in medicine [Includes human nutrition]. (Rus) Raskin, I M *Vitaminy* 8: 122-128. Ref. 1975

022222 389.9 K542
Vitamin E and processes of biological oxidation. (Rus) Donchenko, G V *Vitaminy* 8: 43-60. Ref. 1975

022223 389.8 V85
Modern vocational training in nutrition. (Dut) Hautvast, J G A J *Voeding* 36 (3): 139-148. Mar 15, 1975

022224 389.8 V85
Professor Dr. E. Brouwer, deceased [Nutritionists]. (Dut) *Voeding* 36 (3): 130. Mar 15, 1975

022225 384 Z39
Quantitative determination of supplemental vitamin C in mineral salt mixtures. (Ger) Muller-Mulot, W; Vries, U de; Bourgeois, C F; Mainguy, P R *Z Lebensm Unters Forsch* 159 (1): 47-51. Eng. Sum. 1975

022226 275.29 W99FC
Food preservation: drying, canning, freezing. Raab, C; Wyoming University Agricultural Extension Service *4-H Club Circ Agric Ext Serv Univ Wyo* 50506-75, 48 P. Ref. Jan 1975

HOME ECONOMICS

022227 100 R34S (2)
A comparison of phosphate and non-phosphate detergents in the laundering of men's shirting fabrics. Avery, C E; Harabin, D E; Rhode Island Agricultural Experiment Station *Bull Univ R I Agric Exp Stn* 415, 82 P. Ref. 1975

022228 275.29 M58B
Steps into spending [Home money management]. Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 910, 37 P. Sept 1975

022229 1 EX892EX
Spotlighting professionalism [Extension home economists]. Loudon, P; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 10-11. Jan/Feb 1976

022230 275.29 N811EX
Ability—not disability with clothing. Meldahl, H E; Wascoe, J; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 316 (No. 4), 10 P. 1975

022231 HD9000.1.I52
Expenses and food consumption of the Italian family. (Ita) Fornari, B *Ind Aliment* 14 (10): 125-128. Oct 1975

022232 389.8 F7322
Microwave and conventional cooking in relation to quality and nutritive value of beef and beef-soy loaves. Acacio Ziprin, Y; Carlin, A F *J Food Sci* 41 (1): 4-8. Ref. Jan/Feb 1976

022233 275.29 K13LE
What clothing means to the child. Johnson, N M; Kansas State University Cooperative Extension Service *L Coop Ext Serv Kans State Univ* 459 [B], 6 P. Feb 1975

022234 275.29 IO9PA
Tricks to easy fit [Sewing alterations]. Messer, R; Yep, J; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 618, 19 P. July 1975

022235 7 ON8P
Sewing tips for knits. *Publ Ont Minist Agric & Food* 376, Rev. 4 P. 1975

FOOD AND NUTRITION—HISTORY

022236 59.8 C333
Food service 1980-1985. Livingston, G E *Cereal Foods World* 20 (11): 534-536 Nov 1975

022237 TX901.C65
Soft serve desserts: the Midas touch. *Cooking for Profit* 44 (25): 30-33 July 1975

022238 TX341.F69
How Eric Scandrett made everybody happy. *Food Management* 10 (11): 36, 62, 74 Nov 1975

022239 TX341.F69
Oscar Berninger's four day super feed. Cherry, Robert *Food Management* 10 (11): 26-31, 56 Nov 1975

022240 TX341.F69
Problem: how to generate student enthusiasm; solution: spiders, gondolas & spray paint. *Food Management* 10 (11): 1 Nov 1975

022241 TX341.F69
The new day has begun: institutional foodservice in Louisville. *Food Management* 10 (9): 41-45, 68, 70, 72 Sept 1975

022242 TX341.F69
Who's making the profit? Crimmins, Mary Beth *Food Management* 10 (9): 35-36 Sept 1975

022243 321.8 H752
Spice and herb roulette (Game). Schmelzel, Carol *Forecast Home Econ* 21 (4): F21 Dec 1975

022244 321.8 H752
What food is it? (Game). Yerkes, Mary *Forecast Home Econ* 21 (4): F15 Dec 1975

022245 81 UN34
Parsnips 3d ed. Rev. *Fruit Veg Facts Pointers* P. 1-10 June 1975

022246 TX1.I55
Cumberland Trail to adventures in dining. *Instit/vol Feeding* 76 (6): 59-63 Mar 15, 1975

022247 TX1.I55
School foodservice discovers pupil power. *Instit/vol Feeding* 75 (10): 55-57 Nov 15, 1975

022248 TX1.I55
Why are people still eating out? Raskin, Betsy *Instit/vol Feeding* 75 (9): 134-137 May 1, 1975

022249 TX341.L4 F&N
Foods in prehistory: nutritional lessons for the present. Robson, John R K *League Int Food Educ* P. 1-3 Aug 1975

022250 1.941 S2F73
Food prices. *Natl Food Situation* NFS153: 4-10 Sept 1975

022251 1.941 S2F73
Per capita food consumption. *Natl Food Situation* NFS153: 15-21 Sept 1975

022252 389.2538 F82
Presidents' forecast: foodservice '76. *Restaurant Bus* 74 (12): 29-33, 46, 49-50 Dec 1975

022253 389.2538 F82
The student market. *Restaurant Bus* 74 (9): 88-89 Sept 1975

022254 470 SCI2
Energy and land constraints in food protein production. Pimentel, David *Science* 190 (4216): 754-761 Nov 21, 1975

FOOD AND NUTRITION—STANDARDS AND LEGISLATION

022255 A321.9 R31
Nutrition labeling - tools for its use. Peterkin, Betty *Fam Econ Rev* P. 16 Summer 1975

022256 HD9000.1.F64
Balancing the costs and benefits of nutrient labeling. Hopper, P F *Food Prod Dev* 9 (9): 48, 50 Nov 1975

022257 389.8 SCH6
Fishery inspection: taking the fishiness out of fish. Cope, Gene *Sch Foodserv J* 29 (9): 43-44, 46-47 Oct 1975

FOOD AND NUTRITION—MANAGEMENT AND ADMINISTRATION

022258 TX341.F69
Become a foodservice innovator! Berkman, Jerome *Food Management* 10 (8): 29-30 Aug 1975

022259 TX341.F69
Management by objective. Byron, Byron *Food Management* 10 (11): 23-24 Nov 1975

022260 TX341.F69
Preparing your budget. Peddersen, Raymond *Food Management* 10 (11): 19-20 Nov 1975

022261 TX341.F69
26 miles across the sea. *Food Management* 10 (8): 50-53 Aug 1975

022262 ATX341.F615
Person to person; unique training program helps lunchroom aides deal with individual problems. D'Arezzo, Carol M *Food Nutr* 5 (4): 10-13 Aug 1975

022263 HD9000.1.F64
The time dependence of food preferences. Balintfy, J L *Food Prod Dev* 9 (9): 32, 34, 36, 96 Nov 1975

022264 389.2538 F732
Communicating with employees: giving directions and orders that get results, part 1. Buchanan, Robert D *Food Serv Mark* 37 (9): 54, 56-58 Sept 1975

022265 389.2538 F732
How to evaluate the efficiency of your food service operation. Buchanan, Robert D *Food Serv Mark* 37 (11): 42, 44, 46-47 Nov 1975

022266 389.2538 F732
The changing family market. *Food Serv Mark* 37 (9): 48, 50, 53 Sept 1975

022267 389.8 F7398
Consumer attitudes toward yogurt. Kroger, M; Fram, S R *Food Technol* 29 (11): 52, 56-57 Nov 1975

022268 TX1.I55
Put the brake on bread losses. *Instit/vol Feeding* 75 (12): 23 Dec 15, 1975

022269 TX1.I55
Single service for — people at work and study. *Instit/vol Feeding* 76 (6): 22-23, 27 Mar 15, 1975

022270 389.8 AM34
Position paper on recommended salaries and employment practices for members of the American Dietetic Association. *J Am Diet Assoc* 67 (2): 139-145 Aug 1975

022271 280.8 J824
Absenteeism or attendance: which is industry's problem? Johnson, Ronald D; Peterson, Tim O *Personnel J* 54 (11): 568-572 Nov 1975

022272 280.8 J824
Behavior modification: a contingency approach to employee performance. Gullett, C Ray; Reisen, Robert *Personnel J* 54 (4): 206-211 Apr 1975

022273 280.8 J824
Beyond job enrichment to employment enrichment. Werther, William B Jr. *Personnel J* 54 (8): 438-442 Aug 1975

022274 280.8 J824
Effective discipline in employee relations. Wohlking, Wallace *Personnel J* 54 (9): 489-493, 500 Sept 1975

022275 280.8 J824
How is the climate in your organization? LaFollette, William R *Personnel J* 54 (7): 376-379 July 1975

022276 280.8 J824
Managerial counseling for organizational effectiveness. Morano, Richard A *Personnel J* 54 (9): 494-495, 501 Sept 1975

022277 280.8 J824
Occupation: supervisor. Cummings, Paul W *Personnel J* 54 (8): 448-450 Aug 1975

022278 280.8 J824
The management of peripheral employees. Gannon, Martin J *Personnel J* 54 (9): 482-486, 501 Sept 1975

022279 389.2538 F82
The ticklish business of changing human behavior. Feinberg, Mortimer R *Restaurant Bus* 74 (9): 34, 36 Sept 1975

022280 389.2538 F82
Want to cultivate some employee trust? Feinberg, Mortimer R *Restaurant Bus* 74 (1): 29 Nov 1975

022281 389.2538 F82
You can have one as well as the other: instinct versus technique. Hayes, James L *Restaurant Bus* 74 (1): 86 Nov 1975

FOOD AND NUTRITION—EDUCATION AND TRAINING

022282 LB1043.A815
Preparing a slide-tape program = a step-by-step approach, part 1. Ryan, Mack *Audiovisual Instruction* 20 (7): 36-38, 43 Sept 1975

022283 ATX341.F615
The Food and Nutrition Information Center. Jenkins, Dianne E *Food Nutr* 5 (4): 14-15 Aug 1975

022284 389.2538 F732
How to predict job vacancies. *Food Serv Mark* 37 (11): 48-49 Nov 1975

022285 389.2538 F732
Training employees for a convenience foods system. Buchanan, Robert D *Food Serv Mark* 37 (8): 28-31 Aug 1975

022286 321.8 H752
The fine art of communicating. Hall, Katherine B *Forecast Home Econ* 21 (1): F121, F166-F167 Sept 1975

022287 TX1.I55
Student-run restaurant serves main course of foodservice training. *Instit/vol Feeding* 76 (2): 74-75, 80 Jan 15, 1975

022288 TX1.I55
Training: 1975's best return on investment. McNerney, Chris *Instit/vol Feeding* 76 (12): 35-37, 42 June 15, 1975

022289 389.8 AM34
Attachment learning: a humanistic educational experience final practicum in a coordinated undergraduate program. Unklesbay, Nan; Spears, Marian C *J Am Diet Assoc* 67 (5): 449-454 Nov 1975

022290 389.8 AM34
Integrating the Jewish dietary laws into a dietetics program. Natow, A B; Heslin, J A; Raven, B C *J Am Diet Assoc* 67 (1): 13-16 July 1975

022291 280.8 J824
Developing the woman manager. Heinen, J Stephen *Personnel J* 54 (5): 282-286, 297 May 1975

022292 389.2538 F82
Mandatory certification: another turn of the screw. Berlinski, Peter *Restaurant Bus* 74 (12): 34-35 Dec 1975

022293 389.2538 F82
Training employees isn't enough. Scheer, Wilbert E *Restaurant Bus* 74 (1): 146, 148, 150, 154 Nov 1975

MENU PLANNING

022294 TX341.F69
Variations on the convenience theme. *Food Management* 10 (8): 58-61, 69, 71, 73 Aug 1975

022295 TX1.I55
Balance value, cost and profits. Wilkinson, Jule *Instit/vol Feeding* 75 (11): 42-43 Dec 1, 1975

022296 TX1.I55
Diet dining - must it stay deadly dull? Montgomery, Charlotte *Instit/vol Feeding* 76 (2): 53 Jan 15, 1975

022297 389.8 SCH6
Spirit of '76: Walla Walla captures the past. *Sch Foodserv J* 29 (7): 37, 39-41 July/Aug 1975

FOOD PREPARATION AND PRODUCTION

022298 TX901.C65
Americans have discovered crepes. Have you? *Cooking for Profit* 44 (296): 26, 31-32 Aug 1975

022299 TX901.C65
Celery hearts almondine. *Cooking for Profit* 44 (294): 30-31 June 1975

022300 TX901.C65
Guesswork means higher cost! *Cooking for Profit* 44 (294): 34-38 June 1975

022301 TX901.C65
New one-pan cooking saves labor. *Cooking for Profit* 44 (294): 20-22, 27 June 1975

022302 TX901.C65
The egg & you; an industry study. *Cooking for Profit* 44 (296): 12-18 Aug 1, 1975

022303 HD9000.1.F64
Delphi exercises in forecasting technology for the food industry in the United Kingdom. Steiner, E H *Food Prod Dev* 9 (8): 46, 48 Oct 1975

022304 389.2538 F732
A profitable lesson in sandwichery. *Food Serv Mark* 37 (8): 18 Aug 1975

022305 389.2538 F732
Convenience potatoes - for profit! *Food Serv Mark* 37 (9): 26-28, 30 Sept 1975

022306 389.2538 F732
Create super sandwiches with ingenuity, convenience items and new flavor combinations. *Food Serv Mark* 37 (8): 13-16, 23 Aug 1975

022307 389.2538 F732
20 creative & convenient sandwich suggestions. *Food Serv Mark* 37 (8): 23 Aug 1975

022308 321.8 H752
How to ... Prepare a French omelet. *Forecast Home Econ* 21 (1): F136 Sept 1975

022309 TX1.I55
Back home on the range: calf, grass-fed beef. *Instit/vol Feeding* 77 (4): 33 Aug 15, 1975

022310 TX1.I55
Keep the cookie jar filled. Blair, Eulalia *Instit/vol Feeding* 75 (9): 54-55 Nov 1, 1975

022311 TX1.I55
New twists with old favorites. Blair, Eulalia C *Instit/vol Feeding* 75 (7): 52 Oct 1, 1975

022312 TX1.I55
Revolutionary taste sensations. Blair, Eulalia *Instit/vol Feeding* 77 (1): 44-47, 51 July 1, 1975

022313 TX1.I55
Turn on color and customers with olives. *Instit/vol Feeding* 76 (12): 25 June 15, 1975

022314 TX1.I55
Who's afraid of the long shadow of fast food? Wallace, Jane *Instit/vol Feeding* 76 (10): 41-43 May 15, 1975

022315 TX1.I55
Winning pair: fresh, canned Bartletts. *Instit/vol Feeding* 77 (4): 23 Aug 15, 1975

022316 TX1.I55
Winter corn can butter up menu profits. *Instit/vol Feeding* 76 (3): 29 Feb 1, 1975

022317 389.2538 F82
From out of the past — menus for today. *Restaurant Bus* 74 (1): 135-140 Nov 1975

022318 389.2538 F82
Merchandising frozen entrees that are distinctively yours. Garr, Janice *Restaurant Bus* 74 (9): 173-178 Sept 1975

FOOD AND NUTRITION—EQUIPMENT

022319 TX901.C65
The fantastic self-leveling dish dispenser. *Cooking for Profit* 44 (296): 28-29, 32 Aug 1975

022320 TX901.C65
The new breed of grease filters. *Cooking for Profit* 44 (294): 32 June 1975

022321 389.2538 F732
A master plan for energy management, part 2. *Food Serv Mark* 37 (9): 20 Sept 1975

022322 321.8 H752
Roundup of ranges. *Forecast Home Econ* 21 (1): F134-F135 Sept 1975

022323 HD9000.1.I5
Floor care supplies; what you should know about the three major types: chemicals, replaceable tools and machines. *Instit Distrib* 11 (11): 84, 86, 89 Nov 1975

022324 TX1.I55
Are you wrestling with problems solved 25 years ago? Schneider, Madelin *Instit/vol Feeding* 76 (10): 49-50 May 15, 1975

022325 TX1.I55
Behind every kitchen success stands the right oven. *Instit/vol Feeding* 77 (6): 78-79, 102 Sept 15, 1975

022326 TX1.I55
Checklist for food facilities planning. Broten, Paul R *Instit/vol Feeding* 77 (6): 91 Sept 15, 1975

022327 TX1.I55
Checklist for food facilities planning. Broten, Paul R *Instit/vol Feeding* 77 (8): 96-97 Oct 15, 1975

022328 TX1.I55
Iron out your production woes with steamers. *Instit/vol Feeding* 76 (12): 27 June 15, 1975

022329 TX1.I55
North Dakota State graduates to individualized dining. *Instit/vol Feeding* 75 (11): 44-45 Dec 1, 1975

022330 TX1.I55
Notre Dame welds kitchen efficiency to gothic dignity. *Instit/vol Feeding* 76 (6): 66-67 Mar 15, 1975

022331 TX1.I55
Refrigeration puts school costs on ice. Benton, Margaret *Instit/vol Feeding* 76 (3): 33-34 Feb 1, 1975

022332 44.8 J824
Evaluation of household dishwashing machines for use in small institutions. Bryan, Frank L; Deltart, Garnett H *J Milk Food Tech* 38 (9): 509-515 Sept 1975

022333 389.2538 F82
Equipment probe 6: broilers, griddles, and fryers: the ABC'sof a successful foodservice operation. *Restaurant Bus* 74 (1): 88, 90, 94 Nov 1975

022334 389.2538 F82
Equipment probe 4: microwave ovens don't replace but complement conventional cooking units. *Restaurant Bus* 74 (9): 125-126, 129-130 Sept 1975

022335 389.2538 F82
The pay-off from electronics controls, part 4: security systems short-circuit theft. Berlinski, Pete *Restaurant Bus* 74 (1): 62, 64, 67-68, 142 Nov 1975

022336 TX341.T9 F&N
Energy savers. *Type A Topics* P. 3 Oct 1975

FOOD AND NUTRITION—SANITATION AND SAFETY

022337 TX341.F69
Problem: how to update a sanitation program; Solution: a home study course. *Food Management* 10 (8): 63 Aug 1975

022338 TX1.I55
Sanitation means more than looking clean. *Instit/vol Feeding* 77 (3): 33 Aug 1, 1975

022339 389.2538 F82
Franchisors outshine independents in study. Berlinski, Peter *Restaurant Bus* 74 (12): 38, 41-42, 67 Dec 1975

FOOD TECHNOLOGY

022340 A321.9 R31
Food additives and fortification. Miles, Corbin I *Fam Econ Rev* P. 9-10 Spring 1974

022341 HD9000.1.F64
Research on nutrition of meat and extender blends shows PER of mixtures close to that of lean beef. *Food Prod Dev* 9 (3): 72, 74 Apr 1975

022342 HD9000.1.F64
Triticale - new miracle grain revitalizes cereal products. McCormick, Richard D *Food Prod Dev* 9 (3): 12, 14 Apr 1975

022343 TX1.H6
Baker's yeast as a protein supplement in corn meal muffins. Zabik, Mary E; Garrison, Trudy *Home Econ Res J* 3 (3): 186-191 Mar 1975

022344 TX1.I55
How much money do you throw away with food packaging? Green, Hilary *Instit/vol Feeding* 76 (11): 50-52 June 1975

022345 SF95.A1P7
Food for peace update: another step forward. *Prof Nutritionist* 7 (3): 8 Summer 1975

022346 389.8 Q4
America's quiet revolution in taste. *Quick Frozen Foods* 38 (2): 26, 28, 36 Sept. 1975

FOOD AND NUTRITION—GENERAL PROGRAMS

022347 TX901.C65
Breakfast: hallmark of good nutrition. *Cooking for Profit* 44 (295): 24-26 July 1975

022348 TX901.C65
School food service at the crossroads? Stewart, Joseph M *Cooking for Profit* 44 (295): 16-20, 22-23, 47-48 July 1975

022349 ATX341.F615
Child Nutrition Bicentennial Project. Thomas, Katherine G; Watts, Melanie *Food Nutr* 5 (5): 6-11 Oct 1975

022350 ATX341.F615
Nutrition program for the elerly; two Texas projects offer meals, companionship, and recreation. Watts, Melanie *Food Nutr* 5 (4): 2-5 Aug 1975

022351 ATX341.F615
What's happening in school food service? McAteer, Michael *Food Nutr* 5 (5): 5 Oct 1975

022352 TX1.I55
School lunch fights back. *Instit/vol Feeding* 76 (10): 44-45, 52 May 15, 1975

022353 1.982 A2N955
New International Committee on Food and Nutrition Policy. Magrabi, Frances M *Nutr Program News* P. 1-6 Jan/Apr 1975

022354 389.8 SCH6
March to the tune of the Child Nutrition Bicentennial Project. *Sch Foodserv J* 29 (7): 32, 34, 36 July/Aug 1975

RECIPES

022355 TX341.F69
Holiday cooking doesn't have to be a pain & a panic. Boss, Donna *Food Management* 10 (11): 42-44, 63, 65, 69, 71, 75 Nov 1975

022356 HD9000.1.F64
Flavor secrets from foreign lands - Cuba. *Food Prod Dev* 9 (3): 42 Apr 1975

022357 HD9000.1.F64
Flavor secrets from foreign lands: Korea. *Food Prod Dev* 9 (9): 80 Nov 1975

022358 389.2538 F732
Profit more with vegetables. *Food Serv Mark* 37 (10): 19-22, 48 Oct 1975

022359 321.8 H752
Skillet meals go international. Manno, Anne *Forecast Home Econ* 21 (1): F130-F131, F170-F171 Sept 1975

022360 TX1.I55
Golden touch of Chinese chefs. Raskin, Betsy; Schneider, Madelin *Instit/vol Feeding* 75 (12): 28-29, 54-57 Dec 15, 1975

022361 TX1.I55
Menu fare grows with America's spirit. *Instit/vol Feeding* 76(6): 115, 117, 119 Mar 15, 1975

FOOD AND NUTRITION—REFERENCE MATERIALS

022362 TX901.C67
A bibliography: hotel and restaurant administration and related subjects 25ht ed. Spinney, Katherine R; Cornell University School of Hotel Administration *Cornell Hotel Restaurant Admin Quarterly* 16 (2): 49-106 Aug 1975

022363 1.941 S2F73
Food spending and income. *Natl Food Situation* NFS153: 10-15 Sept 1975

FOOD AND NUTRITION—PURCHASING, RECEIVING AND STORAGE

022364 HD9000.1.I5
Product savvy - beef: portion control and roasts. *Instit Distrib* 11 (10): 52, 54, 56, 82 Oct 1975

022365 TX1.I55
Grass-fed beef is cheaper, but is it for you? *Instit/vol Feeding* 75 (12): 27 Dec 15, 1975

022366 TX1.I55
What guards your back door? *Instit/vol Feeding* 75 (9): 58 Nov 1, 1975

022367 TX1.I55
Your supplier's telling you something. *Instit/vol Feeding* 76 (6): 68-70 Mar 15, 1975

AGRICULTURAL PRODUCTS—GENERAL

022368 QD241.A25
Chemical composition of Angelica [archangelica] root oil [Flavors for alcoholic beverages]. Taskinen, J; Nykanen, L *Acta Chem Scand Ser B Org Chem Biochem* 29 (7): 757-764. Ref. 1975

022369 385 AG8B
Increase of NADase activity during storage of pressed baker's yeast [Saccharomyces cerevisiae]. Takakuwa, M; Takeuchi, K; Yamasaki, N *Agric Biol Chem* 39 (11): 2235-2236. Nov 1975

022370 TP368.A4
A survey of the microbiological properties of packaging materials for food. (Ger) Bockelmann, I von *Alimenta* 14 (5): 145-149. Ref. Sept/Oct 1975

022371 TP368.A4
Bacterial production of protein from cellulose. I. Effect of composition of mineral nutrient medium on the bacterial utilization of cellulose [Food research]. (Ger) Schmid, S; Bomar, M T *Alimenta* 14 (6): 185-189. Nov/Dec 1975

022372 TP368.A4
Bacterial production of protein from cellulose. II. Effect of individual trace elements on cellulose fermentation [Food research]. (Ger) Schmid, S; Bomar, M T *Alimenta* 14 (6): 191-194. Nov/Dec 1975

022373 TP368.A4
Microbiology of natural mineral water, a review. (Ger) Schmidt-Lorenz, W *Alimenta* 14 (6): 175-184. Ref. Nov/Dec 1975

TP368.A4
Total reform of the food law and food research. (Ger) Simon, R *Alimenta* 14 (6): 199. Nov/Dec 1975

022374 TP368.A4
Trends in the food packaging industry. (Ger) Kampers, W *Alimenta* 14 (5): 169. Sept/Oct 1975

022375 381 AN13
Improved methodology for rapid and reproducible acid hydrolysis of food and purified proteins. Savoy, C F; Heinis, J L; Seals, R G *Anal Biochem* 68 (2): 562-571. Ref. Oct 1975

022376 16 T63
The possible presence of animal proteins in food paste [Analysis]. (Ita) Vietti-Michelina, M; Fiussello, N *Ann Accad Agric Torino* 116: 235-245. Ref. Eng. Sum. 1973/1974

022377 389.8 AN72
Abnormal presence of hexyleneglycol in commercial essential oils of Vetiveria zizanioides and Cananga odorata. (Fre) Peyron, L; Acchiardi, J; Pellerin, P *Ann Falsif Expert Chim* 68 (734): 485-499. Oct 1975

022378 389.8 AN72
Identification and ratio of volatile acids in [food] conservation. (Fre) Sudraud, G; Leroux, T; Flory, J Y *Ann Falsif Expert Chim* 68 (733): 411-425. Sept 1975

022379 389.8 AN72
Methods of determining sodium glutamate. I. Soups and broths. (Fre) Gayte-Sorbier, A; Armand, P; Abello, G *Ann Falsif Expert Chim* 68 (733): 439-454. Sept 1975

022380 14 F8499AN
Automation of uronic acid titration by the carbazol method: Application to the case of pectic substances. (Fre) Thibault, J F; Robin, J P *Ann Tech Agric* 24 (1): 99-110. Ref. Eng. Sum. 1975

022381 TP570.B5
Duration of the caustic bath [Brewing]. (Fre) *BIOS* 6 (9): 289-292. Eng. Sum. Sept 1975

022382 TP570.B5
High density brewing. (Fre) Hawkins, P J *BIOS* 6 (9): 293-295. Sept 1975

022383 TP570.B5
Laboratory comparative study of the performances of different oxygen analyzers dissolved in beer. (Fre) Barollier, J P; Pottier, L; Ledrappier, N *BIOS* 6 (9): 296-305. Ref. Sept 1975

022384 381 J8224
On-line measurement of gas-exchange conditions in fermentation processes [Candida utilis, yeasts]. Nyiri, L K; Toth, G M; Charles, M *Biotechnol Bioeng* 17 (11): 1663-1678. Ref. Nov 1975

022385 381 J8224
Single-cell protein production by photosynthetic bacteria [Rhodopseudomonas gelatinosa] cultivation in agricultural by-products. Shipman, R H; Kao, I C; Fan, L T *Biotechnol Bioeng* 17 (11): 1561-1570. Ref. Nov 1975

022386 390.8 B732
Adjunct fermentation: trials in a 10-hl pilot brewery [Beermanufacture]. (Ger) Moll, M; Duteurtre, B *Brauwelt* 115 (47): 1563. Eng. Sum. Nov 20, 1975

022387 390.8 B732
Conditioning factors in malt and unprocessed worts. (Ger) *Brauwelt* 115 (48): 1320-1321. Oct 2, 1975

022388 390.8 B732
Filtrability of beers. (Ger) Narziss, L *Brauwelt* 115 (45): 1491-1496. Ref. Eng. Sum. Nov 6, 1975

022389 390.8 B732
Measures aimed to control fermentation and influence the content of mineral substances. (Ger) Mandl, B *Brauwelt* 115 (47): 1565-1568. Eng. Sum. Nov 20, 1975

022390 390.8 B732
Microbiological production control: Errors, limits and possibilities [Beer manufacture]. (Ger) Voerkelius, G A *Brauwelt* 115 (48): 1360-1363, 1366-1368. Eng. Sum. Oct 9, 1975

022391 390.8 B732
Rapid determination of nitrogen by Barwald's method [Brewing]. (Ger) Ulonska, E; Lenz, W *Brauwelt* 115 (41): 1369, 1372. Eng. Sum. Oct 9, 1975

022392 390.8 B732
Reflections upon the one tank procedure [Fermentation]. (Ger) Mieth, H O *Brauwelt* 115 (41): 1349-1352. Eng. Sum. Oct 9, 1975

022393 390.8 B732
The adjunct fermentation process [Beer]. Pollock, J R A; Weir, M J *Brauwelt* 115 (47): 1561-1562. Nov 20, 1975

022394 390.8 B732
The introduction of "read-out" equipment in the brewing industry. (Ger) Kruger, R; Scheidtweiler, W *Brauwelt* 115 (40): 1314-1317. (Continued) Oct 2, 1975

022395 390.8 B732
The introduction of "read-out" equipment in the brewing industry. (Ger) Kruger, R; Scheidtweiler, W *Brauwelt* 115 (48): 1374, 1376-1378, 1380. (Concluded) Ref. Eng. Sum Oct 9, 1975

022396 390.8 B732
Use of "quats" in the brewery. Differences in the efficiency of quaternary ammonium compounds. (Ger) Pohl, A; Metzner, P; Ernst, M D *Brauwelt* 115 (42): 1404-1407. Eng. Sum. Oct 16, 1975

022397 390.8 B732
Warm water economics in breweries. (Ger) Pensel, S *Brauwelt* 115 (46): 1536-1539. (Concluded) Ref. Nov 13, 1975

022398 390.8 B733
Analysis of hops and pellets from hop preparations. Simplification of extraction method. (Ger) Ganzlin, G *Brauwissenschaft* 28 (8): 231-238. Eng. Sum. Aug 1975

022399 390.8 B733
Pattern of activity of a trypsin-like enzyme during malting. (Ger) Narziss, L; Lintz, B *Brauwissenschaft* 28 (8): 239-242. Eng. Sum. Aug 1975

022400 390.8 B733
Possibilities of error in the detemination of volatile sulphur compounds [Beer]. (Ger) Gruss, R; Niefind, H J *Brauwissenschaft* 28 (8): 228-230. Eng. Sum. Aug 1975

022401 390.8 B75
The golden age of Gambrinus. A brief history of early brewing in Syracuse. Gimigliano, M *Brew Dig* 50 (11): 28, 30, 32-34, 36. Nov 1975

022402 390.8 B75
The millenium in malt beverages? Davis, R D *Brew Dig* 50 (11): 50, 52-53. Nov 1975

022403 390.8 B75
The state of the [brewing] industry. Katz, P C *Brew Dig* 50 (11): 43-44, 46, 48. Maps. Nov 1975

022404 107.6 T5762
Changes in enzyme activity during the storage of honey. Takenaka, T; Echigo, T *Bull Fac Agric Tamagawa Univ* 14: 19-25. 1974

022405 414.9 J274
Effect of thawing and packaging material on discoloration of frozen skipjack meat [Seafood]. (Jpn) Bito, M *Bull Jap Soc Sci Fish* 41 (10): 1031-1037. Ref. Eng. Sum. Oct 1975

022406 414.9 J274
Mechanism of the transition of actomyosin to beta-structure upon hot air dehydration [Fishery products]. Niwa, E; Nakayama, T; Hamada, I *Bull Jap Soc Sci Fish* 41 (10): 1075-1078. Oct 1975

022407 414.9 J274
Preparation of actomyosin from the adductor muscle of akazara scallop [Seafood]. (Jpn) Nishita, K *Bull Jap Soc Sci Fish* 41 (10): 1003-1008. Ref. Eng. Sum. Oct 1975

022408 414.9 J274
Studies on ATPase [adenosine triphosphatase] activity of actomyosin of squid mantle muscle [Fishery products]. Horie, N; Tsuchiya, T; Matsumoto, J J *Bull Jap Soc Sci Fish* 41 (10): 1039-1045. Oct 1975

022409 414.9 J274
Studies on the flavor of "Katsuobushi" [seafood]. VI. Isolation of isoeugenol. (Jpn) Nishibori, K; Kasahara, K *Bull Jap Soc Sci Fish* 41 (10): 1027-1030. Ref. Eng. Sum. Oct 1975

022410 414.9 J274
Studies on the enzyme system of carbohydrate metabolism in fish. II. Purification of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. (Jpn) Nagayama, F; Ohshima, H; Takeuchi, T *Bull Jap Soc Sci Fish* 41 (10): 1063-1067. Ref. Eng. Sum. Oct 1975

022411 414.9 J274
Studies on the enzyme system of carbohydrate metabolism in fish. III. Properties of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. (Jpn) Nagayama, F; Ohshima, H; Takeuchi, T *Bull Jap Soc Sci Fish* 41 (10): 1069-1074. Ref. Eng. Sum. Oct 1975

022412 414.9 J274
Unpleasant odors of Alaska pollack. I. Acidic, basic and carbonyl compounds [Seafood]. (Jpn) Kasahara, K; Nishibori, K *Bull Jap Soc Sci Fish* 41 (10): 1009-1013. Eng. Sum. Oct 1975

022413 S537.V5A1
Glossary of terms used in food science and technology. Lopez, A comp *Bull Res Div, Va Polytech Inst State Univ* 97, 27 P. 1975

022414 425.9 J273B
Studies on dissolution behaviors and structural characteristics of silk sericin. (Jpn) Komatsu, K *Bull Seric Exp Stn (Suginami Ku Tokyo)* 26 (3): 136-256. Ref. Eng. Sum. Mar 1975

022415 68.38 C114
Control of rats in cacao storehouses. (Por) Maravalhas, N *Cacau Atual* 12 (1): 22-23. Jan/Mar 1975

022416 68.38 C114
New type of box for breaking cacao with a device for collecting syrup. (Por) Borges, J M *Cacau Atual* 12 (1): 9-13. Jan/Mar 1975

022417 68.38 C114
Study of the climate in natural drying of cacao in barges. (Por) Cunha, J; Ghosh, B N *Cacau Atual* 12 (1): 14-17. Jan/Mar 1975

022418 470 C16B
On the alkaline degradation of 2-furfurylidene-10-methyl-trans-1-decalone. Stoessl, A; Stothers, J B *Can J Chem* 53 (22): 3359-3364. Nov 15, 1975

022419 QP456.C5
Identification and evaluation of the flavor-significant components of ginger essential oil. Bednarczyk, A A; Kramer, A *Chem Senses Flavor* 1 (4): 377-386. Ref. Oct 1975

022420 TP415.D4
Historical review of our studies on starch granules. (Jpn) Nikuni, Z *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (3): 78-92. Ref. Eng. Sum. Sept 1975

022421 389.8 D482
Contributions to investigating the migration of auxiliary substances in plastics manufacture and processing into liquid foodstuffs. I. A dynamic testing method adjustable to varying test modalities. (Ger) Bloom, P J *Dtsch Lebensm Rundsch* 71 (10): 350-353. Eng. Sum. Oct 1975

022422 389.8 D482
Lipophilic gel chromatography for isolating sterines and squalenes from unsaponifiable matter of fats. (Ger) Melchert, H U *Dtsch Lebensm Rundsch* 75 (11): 400-402. Ref. Eng. Sum. Nov 1975

022423 QP501.E8
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 1. Purification and properties. Bresters, T W; Abreu, R A de; Kok, A de; Visser, J; Veeger, C *Eur J Biochem* 59 (2): 335-345. Ref. Nov 1975

022424 QP501.E8
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 2. Regulation of the activity. Bresters, T W; Kok, A de; Veeger, C *Eur J Biochem* 59 (2): 347-353. Ref. Nov 1975

022425 QP501.E8
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 3. Stoichiometry and function of the individual components. Grande, H J; Bresters, T W; Abreu, R A de; Kok, A de; Veeger, C *Eur J Biochem* 59 (2): 355-363. Ref. Nov 1975

022426 8 J223
The spice industry and its importance. Firth, A R *Farmer (Jam Agric Soc)* 80 (7): 295-300. July 1975

022427 384 C422
Catalytic processes in the field of industrial fatty acid products. I. (Ger) Coenen, J W E *Fette Seifen Anstrichm* 77 (9): 341-347. Ref. Eng. Sum. Sept 1975

022428 384 C422
Continuous process for the treatment with activated bleaching earth during refining of aromas. (Ger) Liebing, H; Lau, J; Ricci, G *Fette Seifen Anstrichm* 77 (9): 338-340. Eng. Sum. Sept 1975

022429 TS1540.A1F52
Surface characteristics of fibers and textiles. I. Schick, M J ed *Fiber Sci Ser* 7 (1), 416 P. Ref. 1975

022430 389.8 F7398
Economics of producing nutrients from cellulose [Food or feed additives]. Dunlap, C E *Food Technol* 29 (12): 62, 64-67. Ref. Dec 1975

022431 389.8 F7398
Energy utilization in the leading energy-consuming food processing industries. Unger, S G *Food Technol* 29 (12): 33-36, 38-41, 43, 45. Dec 1975

022432 389.8 F7398
Instrumental analysis of the sensory properties of food. Noble, A C *Food Technol* 29 (12): 56-60. Ref. Dec 1975

022433 389.8 F7398
Measuring electric field distribution in a microwave oven [Food processing]. Ringle, E C; David, B D *Food Technol* 29 (12): 46, 48, 50, 52-54. Ref. Dec 1975

022434 389.8 F7398
Open-ocean farming of kelp for conversion to animal and human foods [Algae]. Beleau, M H; Heidelbaugh, N D; Van Dyke, D *Food Technol* 29 (12): 27-30, 45. Dec 1975

022435 HD9018.T7T7
Sack filling: methods and equipment [Products, packaging]. New, J H; Tropical Products Institute *G Trop Prod Inst (Lond)* 98, 8 P. Sept 1975

022436 301.8 G36
Drying of amino acids [from algae] in the presence of carbohydrates. (Rus) Medvedeva, E I; Panchenko, K A; Petrenko, E B; Boiko, L I; Shinov, IU I; Forsov, V I; Shchedrin, IU P; Dudnik, L I; Rybal'chenko, G F *Gidroliz Lesokhim Prom-st'* 4: 24-26. 1974

022437 301.8 G36
Potentiometric determination of nitrogen in fluids produced by hydrolysis. (Rus) Morozova, S F; Minina, T S; Vyrodova, L P *Gidroliz Lesokhim Prom-st'* 5: 10-11. 1975

022438 301.8 G36
Production of a mixture of amino acids [for food and drugs] by autolysis of hydrolyzed fodder yeast. (Rus) Malov, A M; Morozova, N F; Kaliuzhnyi, M IA *Gidroliz Lesokhim Prom-st'* 4: 3-4. 1974

301.8 G36
Production of furfural and furan compounds [using wood pulp and cereal lignin] in foreign countries. (Rus) Ushakova, G A; Levitin, B M *Gidroliz Lesokhim Prom-st'* 2: 31-32. Ref. 1975

022439 68.8 G65
Technical procedures for the basis of membrane separation [Food]. (Ger) Reuter, H *Gordian* 75 (11): 343-344. Nov 1975

022440 S27.A3
Trees—food—energy: human food potential. Arnold, R G; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 8 P. 1975

022441 26 H27
A new movable equipment to remove honey. (Heb) Kalman, H *Hassadeh* 56 (1): 101-102. Oct 1975

022442 TP493.5.F6
Application of freeze drying for preparation of dehydrated powders from liquid food extracts. Flink, J M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 309-329. Ref. 1975

022443 TP493.5.F6
Applications of freeze drying to food products. King, C J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 333-349. Ref. 1975

022444 TP493.5.F6
Basic knowledge of freeze drying. Heat and mass transfer. Rothmayr, W W *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 203-222. 1975

022445 TP493.5.F6
Basic principles of moisture equilibria [in foods]. Loncin, M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 599-617. Ref. 1975

022446 TP493.5.F6
Collapse during freeze drying—qualitative and quantitative aspects. Mackenzie, A P *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 277-307. Ref. 1975

022447 TP493.5.F6
Crystallization of water, a review [Food freezing]. Quervain, M R de *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 3-16. Ref. 1975

022448 TP493.5.F6
Current developments in the freeze concentration of liquid foods. Thijssen, H A C *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 481-501. Ref. 1975

022449 TP493.5.F6
Effect of process conditions in freeze drying on retention of volatile components. Thijssen, H A C *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 373-400. Ref. 1975

022450 TP493.5.F6
Enzymes [Membrane fermentors and reactors]. Timmins, R S *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 589-596. 1975

022451 TP493.5.F6
Freezing [food] with liquid nitrogen. (Fre) Brilloit, J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 43-47. 1975

022452 TP493.5.F6
Fundamentals of freezing in biological systems [Food freezing]. Simatos, D; Turc, J M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 17-28. Ref. 1975

022453 TP493.5.F6
Heat and mass transfer in freeze drying. Karel, M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 177-202. Ref. 1975

022454 TP493.5.F6
Heat and mass transfer in freeze drying of mixed granular particles. Kessler, H G *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 223-239. Ref. 1975

022455 TP493.5.F6
High powered low temperature refrigeration plants in industrial freeze drying. Rothmayr, W W *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 241-249. 1975

022456 TP493.5.F6
Industrial freeze drying plants for foods. Lorentzen, J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 429-443. 1975

022457 TP493.5.F6
Intermediate moisture food technology. Heidelbaugh, N D; Karel, M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 619-641. Ref. 1975

022458 TP493.5.F6
Membrane processing [Food applications]. Timmins, R S *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 503-531. 1975

022459 TP493.5.F6
Possibilities of direct surface sublimation in freeze drying. Spiess, W E L; Wien, K J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 421-425. 1975

022460 TP493.5.F6
Principles and application of radio-frequency energy to food preservation with particular reference to concentration and dehydration. Goldblith, S A *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 691-714. Ref. 1975

022461 TP493.5.F6
Some basic fact about freeze drying. Rey, L *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. Xiii-xix. 1975

022462 TP493.5.F6
Some combined reactions of water at the surface of freeze dried products. Guex, M M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 413-420. 1975

022463 TP493.5.F6
Some stability and safety aspects of intermediate moisture foods. Heidelbaugh, N D; Goldblith, S A *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 675-689. Ref. 1975

022464 TP493.5.F6
Stability of low and intermediate moisture foods. Karel, M *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 643-674. Ref. 1975

022465 TP493.5.F6
The impact of advances in methodology on biochemical [food] research. Chain, Sir E B *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. Xxi-xxxi. 1975

022466 TP493.5.F6
The influence of freezing conditions on the properties of freeze dried coffee. Flink, J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 143-160. 1975

022467 TP493.5.F6
The porous texture of freeze dried products. Simatos, D; Blond, G *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 401-412. Ref. 1975

022468 TP493.5.F6
The retention of volatile components during freeze drying: a structurally based mechanism. Flink, J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 351-372. Ref. 1975

022469 TP493.5.F6
The use of carbon dioxide as a cryogenic gas [Food freezing]. Roussel, J *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 35-42. 1975

022470 TP493.5.F6
The use of halogenated hydrocarbons for food freezing. Persson, P O *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 29-34. 1975

022471 TP493.5.F6
Use of ultrafiltration and hyperfiltration (RO) [reverse osmosis] as preconcentration and purification steps in the food industry. Madsen, R F *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 575-587. 1975

022472 QR1.I53 1974
Training microbiologists for fermentation technology in Japan [Foods]. Terui, G *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st Iv. 4): 443-450. 1974 (Pub. 1975)

022473 TP371.8.P357 1974
Background to the establishment of the first food irradiation plant in Japan. Umeda, K *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 113-131. Ref. 1974 (Pub. 1975)

022474 TP371.8.P357 1974
Possibilities and problems of introducing radiation preservation of foodstuffs in Uruguay. Merino, F G *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 181-182. 1974 (Pub. 1975)

022475 TP371.8.P357 1974
Preparations for commercialization of irradiated foods in the Czechoslovak Socialist Republic. Horacek, P *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 175-178. 1974 (Pub. 1975)

022476 TP371.8.P357 1974
Status of the food irradiation programme in Israel. Lapidot, M *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 179. 1974 (Pub. 1975)

022477 TP453.P7S55
Processing of SCP [single cell protein] for human food. Danielsen, S; Flannery, R; Spicer, A *In Single Cell Protein Proceedings of the International Symposium* P. 199-203. 1973 (Pub. 1974)

022478 HD9000.1.I52
Employ of industrial by-products containing carbohydrates for acid, alcohol, aldehyde and ketone production [Fermentation]. (Ita) Vanossi, L *Ind Aliment* 14 (5): 94-96. May 1975

022479 QH301.I54
Model tests on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of soil microorganisms on the surface of natural rubber vulcanizates. Reszka, J; Zyska, B J; Fudalej, P S; Reszka, K R *Int Biodeterior Bull* 11 (3): 71-77. Autumn 1975

022480 334.8 IN84
Effects of roasting temperatures and gamma irradiation on the content of chlorogenic acid, caffeic acid and soluble carbohydrates of coffee. Deshpande, S N; Aguilar, A A *Int J Appl Radiat Isot* 26 (11): 656-661. Ref. Nov 1975

022481 424.8 IR42
Beeswax. Kerney, J M *Ir Beekeep (An Beachaire)* 29 (9): 198-200. Sept 1975

022482 381 J8223
Grape and apple pomace charcoal. Walter, R H; Sherman, R M *J Agric Food Chem* 23 (6): 1218. Nov/Dec 1975

022483 381 J8223
Nuclear magnetic resonance spectroscopic determination of alpha- and beta-acid homolog composition in hops. Molyneux, R J; Wong, Y I *J Agric Food Chem* 23 (6): 1201-1204. Ref. Nov/Dec 1975

022484 381 J8223
Process conditions for improved flavor quality of freeze dried foods. Flink, J M *J Agric Food Chem* 23 (6): 1019-1026. Ref. Nov/-Dec 1975

022485 424.8 J82
A rapid method for determining the diastase activity in honey. Edwards, R A; Wootton, M; Faraji-Haremi, R *J Apic Res* 14 (1): 47-50. 1975

022486 424.8 J82
Amino acid analysis of honeys from eleven countries. Davies, A M C *J Apic Res* 14 (1): 29-39. Ref. 1975

022487 424.8 J82
Calcium, magnesium, potassium, and sodium in honey and in nectar secretion. McLellan, A R *J Apic Res* 14 (2): 57-61. Ref. 1975

022488 424.8 J82
Determination of glucose and fructose in honey. Wood, P J; Siddiqui, I R; Weisz, J *J Apic Res* 14 (1): 41-45. 1975

022489 424.8 J82
Unusually severe granulation of winter stores caused by nectar from ivy, Hedera helix, in Ireland [Honey]. Greenway, A R; Greenwood, S P; Rhenius, V J; Simpson, J *J Apic Res* 14 (2): 63-68. Ref. 1975

022490 381 AS7
A rapid screening method for the determination of di-(n-octyl) tin stabilizers in alcoholic beverages, using a heated graphite atomizer. Meranger, J C *J Assoc Off Anal Chem* 58 (6): 1143-1146. Nov 1975

022491 381 AS7
Obituaries: Lloyd C. Mitchell [Composition and analysis of foods]. *J Assoc Off Anal Chem* 58 (6): 1303. Nov 1975

022492 475 J824
Separation of coffein, theophyllin and theobromine with help of high pressure fluid chromatography. (Ger) Wildanger, W *J Chromatogr* 114 (2): 480-482. Ref. Nov 26, 1975

022493 SB270.J6
Pectins as potential by-products of coffee waste. Sudhakara Rao, G *J Coffee Res* 5 (1/2): 29-35. Ref. Jan/Apr 1975

022494 390.08 H12
Citric acid production from various raw materials by yeasts [Candida lipolytica]. Ikeno, Y; Masuda, M; Tanno, K; Oomori, I; Takahashi, N *J Ferment Technol* 53 (10): 752-756. Oct 1975

022495 389.8 F7322
A process for the purification of lutein-fatty acid esters from marigold petals [Food colorants]. Philip, T; Berry, J W *J Food Sci* 41 (1): 163-164. Ref. Jan/Feb 1976

022496 389.8 F7322
A simulated fruit gel suitable for freeze dehydration. Luh, N; Karel, M; Flink, J M *J Food Sci* 41 (1): 89-93. Ref. Jan/Feb 1976

022497 389.8 F7322
Carbonyl-propylene glycol interactions in [cherry] flavor systems. Heydanek, M G; Min, D B S *J Food Sci* 41 (1): 145-147. Jan/-Feb 1976

022498 389.8 F7322
Effect of calibration procedures on accuracy and precision of automated Kjeldahl nitrogen analysis in some formulated foods. Vincent, K R; Shipe, W F *J Food Sci* 41 (1): 157-162. Ref. Jan/Feb 1976

022499 389.8 F7322
Effective heat capacities for the freezing and thawing of food. Schwartzberg, H G *J Food Sci* 41 (1): 152-156. Ref. Jan/Feb 1976

022500 389.8 F7322
Improved acceptance and shelf life of frozen minced fish with shrimp. Babbitt, J K; Law, D K; Crawford, D L *J Food Sci* 41 (1): 35-37. Ref. Jan/Feb 1976

022501 TP368.J6
Hydrogen peroxide bleaching of marinated herring. Sims, G G; Cosham, C E; Anderson, W E *J Food Technol* 10 (5): 497-505. Oct 1975

022502 TP368.J6
Measuring changes that occur during frozen storage of fish: a review. Mills, A *J Food Technol* 10 (5): 483-496. Ref. Oct 1975

022503 TP368.J6
Osmophilic yeasts [Saccharomyces rouxii] in preserved ginger products. Lloyd, A C *J Food Technol* 10 (5): 575-581. Ref. Oct 1975

022504 TP368.J6
The effect of smoking and drying on the lipids of West African herring (Sardinella spp.). Woolfe, M L *J Food Technol* 10 (5): 515-522. Ref. Oct 1975

022505 TP368.J6
Utilization of edible protein from meat industry by-products and waste. V. The characterization of extracted proteins, using polyacrylamide gel electrophoresis. Young, R H; Lawrie, R A *J Food Technol* 10 (5): 523-532. Oct 1975

022506 382 SO12
A kinetic study of the competitive oxidation of oleic acid-linoleic acid mixtures [Food]. Rosas Romero, A J; Morton, I D *J Sci Food Agric* 26 (9): 1353-1356. Sept 1975

022507 382 SO12
Determination of uric acid precursors in dried yeast and other forms of single-cell protein. Trevelyan, W E *J Sci Food Agric* 26 (11): 1673-1680. Ref. Nov 1975

022508 382 SO12
Enzyme inhibition by polyphenols of sorghum grain and malt. Daiber, K H *J Sci Food Agric* 26 (9): 1399-1411. Ref. Sept 1975

022509 382 SO12
Formation of C- and S-nitroso compounds and their further reactions [Food]. Gilbert, J; Knowles, M E; McWeeny, D J *J Sci Food Agric* 26 (11): 1785-1791. Ref. Nov 1975

022510 382 SO12
Free radical formation in the antioxidant ethoxyquin [used in food processing]. Skaare, J U; Henriksen, T *J Sci Food Agric* 26 (11): 1647-1654. Nov 1975

022511 382 SO12
Naturally occuring nitrate/nitrite in foods. Walker, R *J Sci Food Agric* 26 (11): 1735-1742. Ref. Nov 1975

022512 382 SO12
Structural functions of taste in the sugar series: binding characteristics of disaccharides [Food products]. Lee, C K; Birch, G G *J Sci Food Agric* 26 (10): 1513-1521. Ref. Oct 1975

022513 382 SO12
The determination of pyridoxine in enriched foodstuffs by direct spectrofluorometric measurement. Soderhjelm, P *J Sci Food Agric* 26 (10): 1469-1472. Ref. Oct 1975

022514 382 SO12
The use of activated charcoal for the concentration and analysis of headspace vapours containing food aroma volatiles. Clark, R G; Cronin, D A *J Sci Food Agric* 26 (11): 1615-1624. Ref. Nov 1975

022515 QP751.L5
Examination of acetolysis products of phosphatidylcholine by gas chromatography-mass spectrometry. Hasegawa, K; Suzuki, T *Lipids* 10 (11): 667-672. Ref. Nov 1975

022516 QP751.L5
Furanoid fatty acids from fish lipids. Glass, R L; Krick, T P; Sand, D M; Rahn, C H; Schlenk, H *Lipids* 10 (11): 695-702. Ref. Nov 1975

022517 QP751.L5
24-methylenedammarenol: a new triterpene alcohol from shea [Butyrospermum parkii] butter. Itoh, T; Tamura, T; Matsumoto, T *Lipids* 10 (12): 808-813. Ref. Dec 1975

022518 QH201.M5
Microscopic methods for the identification and qualification of textile fibers. I. Natural fibers. (Ger) Nettelnstroth, K *Mikrokosmos* 64 (8): 246-249. May 1975

44.8 M5933
Taxonomy of aeromonades from milk and other foods. (Ger) Kleeberger, A *Milchwissenschaft* 30 (10): 602-603. Eng. Sum. Oct 1975

022519 S542.A1N45
Towards a leaf protein concentrate industry in New Zealand (a memorial to Dr Russell M. Allison). Hove, E L; Bailey, R W *N Z J Exp Agric* 3 (3): 193-198. Ref. Sept 1975

022520 514 N482
A survey of some South Island honeydew honeys. Dalzell, K W; Singers, W A *N Z J Sci* 18 (3): 329-332. Sep 1975

022521 389.8 N142
Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid fish meal extracts. Kolakowski, E *Nahrung* 19 (8): 621-628. Ref. 1975

022522 389.8 N142
Kinetics of the thermal degradation of the anthocyanins pelargonidin-3-glucoside and cyanidin-3-glucoside [Food research]. (Ger) Tantschev, S; Jontschewa, N *Nahrung* 19 (8): 629-633. Eng. Sum. 1975

022523 389.8 N142
Reaction of oxidized lipids with protein. 10. Effect of protein on the autoxidation of phospholipids [Food chemistry]. Pokorny, J; Smidrkalova, E; Zwain, H; Janicek, G *Nahrung* 19 (8): 635-639. Ref. 1975

022524 389.8 N142
Structure and bitter taste in the hulupone series [Food chemistry]. (Ger) Gienapp, E; Schroder, K L *Nahrung* 19 (8): 697-706. Ref. Eng. Sum. 1975

022525 389.8 N142
Trends in the processing of oil seeds and fruits. The simultaneous extraction of oils and proteins. (Ger) Mieth, G; Kroll, J; Pohl, J; Bruckner, J *Nahrung* 19 (8): 687-696. Ref. Eng. Sum. 1975

022526 472 N21
Betel nut [Areca catechu] constituents as inhibitors of gamma-aminobutyric acid uptake. Johnston, G A R; Krogsgaard-Larsen, P; Stephanson, A *Nature* 258 (5536): 627-628. Ref. Dec 18, 1975

022527 S19.O68
Shellfish culture, a food resource: the example of the Thaupond. (Fre) Delbos, C; Dalmasso, A; Gilbert, J *Options Mediterr* 5 (29): 64-73. Map. 1975

022528 1 AG84PRO
Food storage guide for schools and institutions. U.S. Dept. of Agriculture *PA U S Dep Agric* 403, Rev., 33 P. Nov 1975

022529 QK99.A1P5
Some essential oils originating form Corsica. (Fre) Zola, A; Le Vanda, J P *Plant Med Phytother* 9 (3): 211-223. Ref. July 1975

022530 385 R18
Considerations on the use of cellulase in food and industrial field. (Ita) Lipparini, L; Laghi, L *Rass Chim* 27 (4): 173-177. Ref. Eng. Sum. July/Aug 1975

022531 385 R18
Experimental research to define the method of determination of the global migration of plastic and rubbers in fatty foods. II. (Ita) Salvatore, G *Rass Chim* 27 (3): 109-116. Eng. Sum. May/June 1975

022532 S51.E2
Catfish: composition, utilization, and storage stability. Bechet, L R; Shewfelt, A L; Worthington, R E; Georgia Experiment Stations *Res Bull Ga Exp Stn* 171, 39 P. Ref. Aug 1975

022533 SF713.K8A3
Studies on the improvement of the floss silk and hand spun silk processing. (Kor) Song, K U; Yoo, S H; Kim, Y H; Choi, B H; Choi, B H *Res Rep Off Rural Dev* 17: S9-S14. Ref. Eng. Sum. Aug 1975

022534 SF713.K8A3
Studies on the modification of natural water conditions for cocoon cooking operation in silk reeling process. (Kor) Song, K U; Lee, Y W *Res Rep Off Rural Dev* 17: S15-S21. Ref. Eng. Sum. Aug 1975

022535 SB29.K8A3
Studies on the drying and packaging of chilli and garlic. (Kor) Chang, K S; Yoon, I W; Han, P J *Res Rep Off Rural Dev (Suwon)* 17: AE39-AE46. Ref. Eng. Sum. Aug 1975

022536 13 R322
Influence of washing on the shelf life of cod. (Fre) Vyncke, W *Rev Agric (Brux)* 28 (4): 953-962. Ref. Eng. Sum. July/Aug 1975

022537 390.08 R32
A new rapid spectrophotometric determination of hop bitterness in beer and wort, including the EBU-determination. Mussche, R; Pauw, C de *Rev Ferment Ind Aliment* 30 (2): 43-46. Ref. 1975

022538 S671.R5
Research laboratory on the physical properties of agricultural products. (Ita) Arrivo, A; Quartulli, S; Grittani, P *Riv Ing Agrar* 6 (3): 147-157. Eng. Sum. Sept 1975

022539 307.8 OL3
Bibliographic guide to oils and fats and their by-products. XLIX. (Ita) *Riv Ital Sost Grasse* 52 (7): 237-252. July 1975

022540 307.8 OL3
Fractionation of edible oils from isopropanol. Letan, A; Koslowsky, L *Riv Ital Sost Grasse* 52 (7): 217-220. July 1975

022541 68.19 M28
The effect of residue moisture in wilted leaves on quality indices of fine black tea. (Rus) Khoperiia, R; Malazoniia, I; Gegechkori, R *Subtrop Kul't* 1: 46-49. 1975

022542 390.9 M39T
Brewing, fermenting and lagering technology in continental European breweries. Kieninger, H *Tech Q Mast Brew Assoc Am* 12 (4): 256-263. Oct/Dec 1975

022543 390.9 M39T
Classification of lager beers by computer analysis of volatile profiles. Hoff, J T; Helbert, J R; Chicoye, E *Tech Q Mast Brew Assoc Am* 12 (4): 209-213. Ref. Oct/Dec 1975

022544 390.9 M39T
Computer control of brewhouse grain batching and brew scheduling. Lloyd, M *Tech Q Mast Brew Assoc Am* 12 (4): 214-221. Oct/-Dec 1975

022545 390.9 M39T
Design, construction and start-up of pilot malting, brewing, and storage facilities. Hahn, C W; Coors, J H *Tech Q Mast Brew Assoc Am* 12 (4): 222-227. Oct/Dec 1975

022546 390.9 M39T
Determination of beer flavor compounds by high pressure liquid chromatography. IV. nucleotides. Charalambous, G; Bruckner, K J; Hardwick, W A; Weatherby, T J *Tech Q Mast Brew Assoc Am* 12 (4): 203-208. Oct/-Dec 1975

022547 390.9 M39T
Large volume tanks [for beer processing]—a review. Lindsay, J H; Larson, J W *Tech Q Mast Brew Assoc Am* 12 (4): 264-272. Ref. Oct/Dec 1975

022548 390.9 M39T
Practical ideas for cost savings in a brewery. Poirier, M X *Tech Q Mast Brew Assoc Am* 12 (4): 249-252. Oct/Dec 1975

022549 385 T29
Abnormal oxidation of seychellene [a perfumery constituent of patchouli and jatamansi oils]. Maheshwari, M L; Saxena, D B *Tetrahedron Lett* 48: 4291-4294. Nov 1975

022550 384 Z39
A method for the identification and quantitative investigation of denatured proteins in mixtures based on computer comparison of amino-acid patterns. Lindqvist, B; Ostgren, J; Lindberg, I *Z Lebensm Unters Forsch* 159 (1): 15-22. Ref. 1975

384 Z39
Aflatoxin can be degraded by the mycelium of Aspergillus parasiticus [Fungi, food chemistry]. Shih, C N; Marth, E H *Z Lebensm Unters Forsch* 158 (6): 361-362. 1975

022551 384 Z39
Caffeine determination by gel chromatography [Beverages]. (Ger) Pokorny, S; Coupek, J; Phan-Trong Tai,; Pokorny, J *Z Lebensm Unters Forsch* 159 (1): 43-46. Eng. Sum. 1975

022552 384 Z39
Investigations on coffee and coffee substitutes. XVII. Behaviour of polysaccharide-complexes of Robusta coffee during roasting. (Ger) Asante, M; Thaler, H *Z Lebensm Unters Forsch* 159 (2): 93-96. Eng. Sum. 1975

022553 384 Z39
Relations between structure and bitter taste of amino acids and peptides. I. Amino acids and related compounds [in food]. (Ger) Wieser, H; Belitz, H D *Z Lebensm Unters Forsch* 159 (2): 65-72. Ref. Eng. Sum. 1975

022554 384 Z39
The biosynthesis of aroma compounds by microorganisms. I. Formation of N-acetylamines by Saccharomyces cerevisiae [Yeasts]. (Ger) Schreier, P; Drawert, F; Junker, A *Z Lebensm Unters Forsch* 158 (6): 351-360. Ref. Eng. Sum. 1975

022555 384 Z39
The nitrosation products of creatine and creatinine in model systems. Velisek, J; Dividek, J; Klein, S; Karaskova, M; Vykoukova, I *Z Lebensm Unters Forsch* 159 (2): 97-102. Ref. 1975

DAIRY PRODUCTS

022556 S544.3.W6W53
Sampling milk and reporting information for DHIA [Dairy Herd Improvement Association] Tests. Olson, C C; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2152, Rev., 2 P. Aug 1975

022557 58.9 UN3222
Farm milk cooling and milk collection. Report transmitted by the government of Finland. Nieminen, L; Reinikainen, A *AGRI MECH Econ Comm Eur U N* 63, 24 P. Ref. 1975

022558 385 AG8B
Cold-disaggregation of the casein micelles in heated concentrated whey protein-free milk. Aoki, T; Imamura, T *Agric Biol Chem* 39 (11): 2107-2113. Ref. Nov 1975

022559 385 AG8B
Relation of cheddar cheese ripening to bacterial lipolysis [Lactobacillus casei, L. plantarum]. Umemoto, Y; Sato, Y *Agric Biol Chem* 39 (11): 2115-2122. Ref. Nov 1975

022560 A281.9 AG8A
The cheese industry [Processing, distribution]. Lough, H W; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 294, 71 P. Ref. July 1975

022561 TP368.A4
Reciprocal effects between packaging materials and filling products from the view of the dairy industry. (Ger) Fluckiger, E *Alimenta* 14 (5): 139-143. Ref. Sept/Oct 1975

022562 14 F8499AN
Determination of iron in cheese whey by atomic absorption spectrometry. (Fre) Linden, G; Lorient, D *Ann Tech Agric* 24 (1): 25-33. Eng. Sum. 1975

022563 381 B523
The interaction of N-acetylglucosamine and an affinity-label analogue with alpha-lactalbumin [whey protein of milk] andlactose synthetase. Burkhardt, A E; Russo, S O; Rinehardt, C G; Loudon, G M *Biochemistry (Easton)* 14 (25): 5465-5469. Ref. Dec 16, 1975

022564 381 J8224
Preparation of immobilized beta-galactosidase by poly(vinylpyrrolidone) and the continuous hydrolysis of lactose in acid whey. Maeda, H *Biotechnol Bioeng* 17 (11): 1571-1589. Ref. Nov 1975

SF191.D3
Will there be 50% fewer dairymen by 1984? [Outlook]. *Dairy Herd Manage* 12 (12): 6-10. Dec 1975

022565 389.8 IC2
Expanded whey and lactose usage means economy, improved products. Proctor, D J *Dairy Ice Cream Field* 158 (10): 94-95, 98. Oct 1975

022566 389.8 IC2
Updating sherbet flavors. Arbuckle, W S *Dairy Ice Cream Field* 158 (10): 64, 66, 68, 70. Oct 1975

022567 44.9 M382
Easy spread butter and margarine. McGillivray, W A *Dairyfarming Annu* 26th: 31-36. Apr 1975

022568 58.8 T677
Automatic cleaning methods in milking. (Ger) *DLZ (Die Landtech Z)* 26 (9): 595-598, 607-610. Sept 1975

022569 58.8 T677
Direct or indirect milk cooling is the problem. (Ger) Weber, W *DLZ (Die Landtech Z)* 26 (4): 248-250. Apr 1975

022570 44.8 M736
Effect of sugar in dairy products. (Ger) *Dtsch Milchwirtsch* 26 (35): 1193-1196. Aug 27, 1975

022571 44.8 M736
Germ counting of commercial milk. (Ger) Hoppe, G *Dtsch Milchwirtsch* 26 (37): 1312, 1314-1319. Ref. Sept 10, 1975

022572 44.8 M736
Pretreatment of milk and skim milk for the manufacture of buttermilk and yoghurt. (Ger) Loo, L G W van der *Dtsch Milchwirtsch* 26 (43): 1563, 1566-1568, 1571. Ref. Oct 22, 1975

022573 44.8 M736
Thoughts on the new trends of the [dairy industry] Association's work. (Ger) Burska, O *Dtsch Milchwirtsch* 26 (36): 1222. Sept 3, 1975

022574 44.8 M736
Where is the Central [dairy] Association going? (Ger) *Dtsch Milchwirtsch* 26 (42): 1531-1533. Oct 15, 1975

022575 44.8 M736
25 years of the West German National Association of Dairy Experts and Dairy Scientists, incorporated. (Ger) Herold, A *Dtsch Milchwirtsch* 26 (36): 1228, 1230. Sept 3, 1975

022576 TP368.F69
The cleaning of tubular ultrafiltration membranes [of whey]. Parkin, M F *Food Technol N Z* 10 (10): 12-13, 15. Oct 1975

022577 S16.G9G4
Reversed osmosis and its application to the technology of foods of animal origin. I. The receiving of cheese milk proteins and their utilization in the making of Feta cheese. (Gre) Georgakes, S A *Geoponika* (Ser. 3) 21 (225): 228-238. Ref. July/Aug 1975

022578 TP493.5.F6
Whey and skim milk [Membrane processing]. Timmins, R S *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 565-573. 1975

022579 HD9000.1.I52
Cheese in nutrition [Chemical composition]. (Ita) Ubertalle, A *Ind Aliment* 14 (5): 101-107. May 1975

022580 HD9000.1.I52
Evaluation of partially dehydrated milks [Caloric value]. (Ita) Dalla Torre, G *Ind Aliment* 14 (5): 83-86. Eng. Sum. May 1975

022581 44.8 IN26
Fermented lactic acid products and their dietetic properties: yoghurt, bioghurt and biogarde. (Spa) Zurazynski, A; Sinesen, V A; Rakshy, S E S E *Ind Leche* 55 (643): 15-16, 18. (Continued) May/June 1975

022582 44.8 IN26
Fermented lactic acid products and their dietetic properties: yoghurt, bioghurt and biogarde. (Spa) Surazynski, A; Dinesen, V A; Rakshy, S E S E *Ind Leche* 55 (641): 17-21. (Continued) Jan/Feb 1975

022583 44.8 IN26
Production and use of milk proteins. (Spa) Smith, G M *Ind Leche* 55 (643): 10-14. May/June 1975

022584 44.8 IN26
Quantity of lysine in dried milk processed using different techniques. (Spa) Bruel, A M R van den; Jenneskens, P J; Mol, J J *Ind Leche* 55 (641): 9-11, 26-29. Ref. Jan/Feb 1975

022585 44.8 IN26
Rapid determination of the fatty substances in cheeses. (Spa) Desfleurs, M; Bailleul, B *Ind Leche* 55 (643): 19-23, 25. Ref. May/-June 1975

022586 44.8 IN26
Spanish bibliography [Milk and dairy products]. (Spa) Goded y Mur, A *Ind Leche* 55 (641): 23-25. Jan/Feb 1975

022587 44.8 IN282
Methods of estimating processing costs in dairy plant. Venkatakrishna, B V *Indian Dairym* 27 (8): 295-298. Aug 1975

022588 44.8 IN282
Problems facing dairy products manufacturers and effective and economic utilisation of surplus milk products. Bhatt, P H *Indian Dairym* 27 (7): 257-263. July 1975

022589 381 J8223
Cheddar cheese flavor; a review of current progress. McGugan, W A *J Agric Food Chem* 23 (6): 1047-1050. Ref. Nov/Dec 1975

022590 381 J8223
Quantification of lactones in ripening pasteurized milk Blue cheese containing added microbial lipases. Jolly, R C; Kosikowski, F V *J Agric Food Chem* 23 (6): 1175-1176. Nov/Dec 1975

022591 44.8 J822
Cottage cheese whey ultrafiltrate produced by hollow fiber ultrafiltration. Bakel, J T; Morris, H A; Richert, S H; Morr, C V *J Dairy Sci* 58 (12): 1794-1798. Dec 1975

022592 44.8 J822
Evaluation of soil deposition and removal processes [in dairy industry]: an interpretive review. Kulkarni, S M; Maxcy, R B; Arnold, R G *J Dairy Sci* 58 (12): 1922-1936. Ref. Dec 1975

022593 390.08 H12
Adsorption of casein on arginine-agarose column with Langmuir-type isotherm. (Jpn) Mishiba, Y; Matsumura, M; Gotou, K; Kobayashi, J *J Ferment Technol* 53 (11): 815-823. Ref. Eng. Sum. Nov 1975

022594 389.8 F7322
Crystallization kinetics of alpha lactose. Thurlby, J A *J Food Sci* 41 (1): 38-42. Ref. Jan/Feb 1976

022595 389.8 F7322
Lactose crystallization: investigation of some process alternatives. Thurlby, J A; Sitnai, O *J Food Sci* 41 (1): 43-47. Jan/Feb 1976

022596 TP368.J6
Nutritional and chemical changes in heated casein. III. A comparison of the alkali-soluble and insoluble fractions. Osner, R C *J Food Technol* 10 (5): 533-539. Oct 1975

022597 44.8 L143
Lipolysis in refrigerated milk. (Fre) Kuzdzal-Savoie, S; Auclair, J E; Mourgues, R; Langlois, D *Lait* 55 (548): 530-543. Ref. Eng. Sum. Sept/Oct 1975

022598 44.8 L143
Problems of extraction and analysis of some aromatic compounds of dairy products. I. Concentration and extraction techniques. (Fre) Lacrampe, J L; Dherbomez, M; Weber, F *Lait* 55 (548): 517-529. Ref. Sept/Oct 1975

022599 44.8 L143
Study of the role of microorganisms and enzymes during cheese ripening. II. Influence of commercial rennet. (Fre) Gripon, J C; Desmazeaud, M J; Le Bars, D; Bergere, J L *Lait* 55 (548): 502-516. Ref. Eng. Sum. Sept/Oct 1975

022600 44.8 M5998
Bacteriological control of cleaning and disinfection of surface areas [Dairy industry]. (Ger) Winterer, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 111-114. Aug 1975

022601 44.8 M5998
Determination of table salt content in cheese. (Ger) Hoffer, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 115-116. Aug 1975

022602 44.8 M5998
Folding foils for dairy products. (Ger) Gensinger, D *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* Schrumpffolien Fur Molkereiprodukte Aug 1975

022603 44.8 M5998
Manufacture of thicker and more solid welded seams in fluid packaging [Packaging material for dairy products]. (Ger) Foissy, E *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 135-140. Ref. Aug 1975

022604 44.8 M5998
Methodical possibilities for the differentiation of sour milk products (fermented milk products). (Ger) Asperger, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 93-96. Aug 1975

022605 44.8 M5998
Proof of antibiotics in raw milk. (Ger) Lew, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 97-99. Aug 1975

022606 44.8 M5998
Study methods for cheese manufacturing starter cultures. (Ger) Ginzinger, W *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 117-119. Aug 1975

022607 44.8 M5998
Use of gas chromatography in the study of milk and milk products with special regard to proof of foreign fats. (Ger) Kahlhofer, H *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 103-106. Aug 1975

022608 44.8 M5998
1974 annual report of the Federal Teaching and Research Institute for Alpine Dairy Industry in Rotholz. (Ger) Winkler, S *Milchwirtsch Ber Bundesanst Wolfpassing Rotholz* 43: 73-86. Aug 1975

022609 44.8 M5933
Continuous coagulation of milk in the coagulator. (Ger) Duve, J *Milchwissenschaft* 30 (11): 649-653. Eng. Sum. Nov 1975

022610 44.8 M5933
Dairy research in Austria. (Ger) Binder, W *Milchwissenschaft* 30 (9): 524-525. Eng. Sum. Sept 1975

022611 44.8 M5933
Imitation milk and imitation milk products. (Ger) Winkelmann, F *Milchwissenschaft* 30 (9): 528-530. Eng. Sum. Sept 1975

44.8 M5933
In vivo modification of milk fat and body fat composition in ruminants; a review. Keen, R M; Kroger, M *Milchwissenschaft* 30 (9): 532-536. Ref. Eng. Sum. Sept 1975

022612 44.8 M5933
Lipolysis by lactic acid bacteria recognized through color changes of dye-stained butterfats on double-layered agar plates. Umemoto, Y; Sato, Y *Milchwissenschaft* 30 (10): 591-594. Ref. Oct 1975

022613 44.8 M5933
Manufacture of soft cheese without drainage of whey from concentrates of ultrafiltrated skim milk. (Ger) Prokopek, D; Voss, E; Thomasow, J *Milchwissenschaft* 30 (11): 664-668. Eng. Sum. Nov 1975

022614 44.8 M5933
Partial fractionation of whole casein by affinity chromatography. Nijhuis, H; Klostermeyer, H *Milchwissenschaft* 30 (9): 530-531. Sept 1975

022615 44.8 M5933
Phosphatase activity in acidified milk. (Ger) Knoop, A M; Peters, K H *Milchwissenschaft* 30 (11): 674-680. Ref. Eng. Sum. Nov 1975

022616 44.8 M5933
Preservation of mixed species lactic starter concentrates by freezing and lyophilization methods. Pettersson, H E *Milchwissenschaft* 30 (9): 539-548. Ref. Sept 1975

022617 44.8 M5933
Production of a new rennin-like enzyme by Aspergillus ochraceus. Foda, M S; Ismail, A A; Khorshid, M A *Milchwissenschaft* 30 (10): 598-601. Ref. Oct 1975

022618 44.8 M5933
Studies on the efficient manufacture of brine cheese. I. Criteria, processes of manufacture, cheese making milk. (Ger) Djarrahbachi, A R; Kammerlehner, J; Kiermeier, F *Milchwissenschaft* 30 (11): 658-663. Ref. Eng. Sum. Nov 1975

022619 44.8 M5933
Studies on the presence of microorganisms and keeping quality of canned processed cheese [Contamination, Clostridium]. (Ger) Hobrecht, R *Milchwissenschaft* 30 (11): 681-684. Ref. Eng. Sum. Nov 1975

022620 44.8 M5933
Taxonomy of aeromonades from milk and other foods. (Ger) Kleeberger, A *Milchwissenschaft* 30 (10): 602-603. Eng. Sum. Oct 1975

022621 44.8 M5933
Technology of processed cheese manufacture from the Greek cheese Feta. (Ger) Georgakis, S A *Milchwissenschaft* 30 (11): 680-681. Eng. Sum. Nov 1975

022622 44.8 M5933
The Austrian dairy industry. (Ger) Eder, A *Milchwissenschaft* 30 (9): 521-524. Eng. Sum. Sept 1975

022623 44.8 M5933
The use of enzyme preparations of microbial origin in continous cheese making. (Ger) Jedrychowski, L; Poznanski, S; Jakubowski, J; Smietana, Z; Krefft, R *Milchwissenschaft* 30 (11): 668-673. Ref. Eng. Sum. Nov 1975

022624 44.8 M5933
Unsaponifiable matters of butter oil. I. Compositional study of hydrocarbon fraction. Ibrahim, S S *Milchwissenschaft* 30 (9): 536-539. Sept 1975

44.8 M735
The consequences of drinking water regulation on dairy industry. (Ger) Bornemann, P *Molk-Ztg Welt Milch* 29 (44): 1231-1236. Oct 31, 1975

022625 44.8 M74
Effects of H2O2 [hydrogen peroxide] and oxidation-reduction enzymatic systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. (Ita) Pasolini, B; Dracos, A *Mondo Latte* 29 (9): 567-572. Ref. Sept 1975

389.79 C81
Effect of protected lipid feeding on milk composition [Dairy cattle]. Sherbon, J W; Barbano, D M *Proc Cornell Nutr Conf Feed Manuf* P. 102-108. Ref. 1975

022626 S293.C6N31
Temperature characteristies of psychrophiles found in Oahu milk. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 381-390. Ref. 1974

022627 SF15.K8A37
Degradation of casein during the ripening of cheddar cheese. (Kor) Park, J L; Kim, Y J; Song, K W *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 63-75. Ref. Eng. Sum. Aug 1975

022628 13 R322
Influence of crystallization of lactose in serum concentrate on hygroscopicity and agglomeration of [whey] serum powder. (Fre) Vilder, J de *Rev Agric (Brux)* 28 (4): 963-975. Ref. Eng. Sum. July/Aug 1975

022629 44.8 IN2
Automation and the dairy industry. (Fre) Grosclaude, G *Rev Lait Fr* 336: 677, 679, 681, 683, 685. Nov 1975

022630 44.8 IN2
Control and automation in the dairy industry. (Fre) Leblanc, M *Rev Lait Fr* 336: 687, 689, 691, 693, 695. Nov 1975

022631 44.8 IN2
Justification of automation in the dairy industry. (Fre) Odet, G *Rev Lait Fr* 336: 671, 673, 675. Nov 1975

022632 44.8 IN2
Rennet, rennin and pepsin. (Fre) Martin, P; Valles, E; Ribadeau Dumas, B *Rev Lait Fr* 336: 727, 729. Nov 1975

022633 SF221.S6
An aseptically and labour saving method of handling starter cultures [for dairy products]. (Afr) Kriel, J B *S Afr J Dairy Technol* 7 (2): 97-98. Eng. Sum. June 1975

022634 SF221.S6
Comparison of different plate count tests for determining the number of psychrotrophs [Milk contaminants]. Luck, H; Hopkins, F *S Afr J Dairy Technol* 7 (2): 89-94. Ref. June 1975

022635 SF221.S6
Day-to-day variation of the protein percentage and sample size determination for estimating the mean protein content of milk. Luck, H; Keller, J J; Andrew, M J A *S Afr J Dairy Technol* 7 (2): 111-115. June 1975

022636 SF221.S6
Determination of the fat, protein and lactose content of 10day preserved milk samples by means of the infrared milk analyzer (IRMA). Luck, H *S Afr J Dairy Technol* 7 (2): 75-78. June 1975

022637 SF221.S6
Determination of the fat content of milk by means of the photometric methods. II. Infrared method. (Afr) Labuschagne, J H *S Afr J Dairy Technol* 7 (2): 99-101. June 1975

022638 SF221.S6
The composition of cheese starters for the manufacture of Gouda cheese. (Afr) Kriel, J B; Mountford, L A; Holzapfel, W H *S Afr J Dairy Technol* 7 (2): 81-88. Ref. Eng. Sum. June 1975

022639 SF221.S6
The effect of different methods of salting on certain groups of bacteria and ripening of Gouda cheese. (Afr) Nieuwoudt, J A; Bester, B H *S Afr J Dairy Technol* 7 (2): 103-109. Ref. Eng. Sum. June 1975

022640 SF221.S6
The effectiveness of certain commercial bacteriophage inhibiting media [Streptococcus, dairy product starters, cultures, contamination]. (Afr) Kriel, J B; Mountford, L A *S Afr J Dairy Technol* 7 (2): 117-121. Eng. Sum. June 1975

022641 44.8 OF2
Recycling. 42. Physical chemistry of powdered milks. (Fre) Pien, J *Tech Lait* 30 (861): 15, 17-18. Oct 15, 1975

022642 384 Z39
Detection of H2O2 [hydrogen peroxide] in ultrahigh temperature milk. (Ger) Lechner, E *Z Lebensm Unters Forsch* 159 (1): 39-42. Eng. Sum. 1975

LIVESTOCK PRODUCTS

022643 14 F8499AN
Study of the quality of beef. I. Biochemical study of the aging of young bull meat. (Fre) Valin, C; Palanska, O; Goutefongea, R; Denoyer, C *Ann Tech Agric* 24 (1): 47-64. Ref. Eng. Sum. 1975

022644 41.8 L49
A trichromatic staining for the detection of muscle protein, connective tissue protein and mineralized bone particles. (Ger) Pfeiffer, G; Wellhauser, R; Gehra, H *Arch Lebensm Hyg* 26 (5): 191-192. Eng. Sum. Sept/Oct 1975

022645 AS21.A75U45
Feasibility study on freezing and handling fresh hams in corrugated fiberboard pallet bins. Ashby, B H; James, G M; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 63, 12 P. Aug 1975

41.8 AU72
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and carcase weight. Ladds, P W; Summers, P M; Humphrey, J D *Aust Vet J* 51 (10): 472-477. Ref. Oct 1975

022646 381 B522
The isolation and characterization of [mammalian] alpha-keratin microfibrils. Jones, L N *Biochim Biophys Acta* 412 (1): 91-98. Ref. Nov 18, 1975

022647 107.6 K114B
Studies on the contents of free amino acids, inosinic and lactic acids in the lean meat from pigs of different body weights at slaughtering. (Jpn) Koga, K; Fukunaga, T; Inoo, H *Bull Fac Agric Kagoshima Univ* 25: 95-102. Ref. Eng. Sum. Mar 1975

022648 107.6 K114B
Studies on the color-development of meat products by some vegetable juices. I. On the mechanism of coloring and substances relating to it. (Jpn) Kako, Y; Nakajima, S; Kojima, M *Bull Fac Agric Kagoshima Univ* 25: 139-151. Ref. Eng. Sum. Mar 1975

022649 41.8 C33
Live-weight and carcass characteristics of cattle in Sri Lanka. Tilakaratne, N; Matsukawa, T; Buvenendran, V; Atureliya, D *Ceylon Vet J* 22 (3/4): 77-81. Sept/Dec 1974

022650 41.9 SO18
Study on the establishment of Meat Technology Institute in Greece. (Gre) Kardoules, A; Rantsios, A *Delt Ellin Ktiniatr Etair* 26 (1): 31-63. Ref. Eng. Sum. Jan/Mar 1975

022651 384 C422
Interesterification and hydrogenation of animal fats. (Ger) Ong, T L *Fette Seifen Anstrichm* 77 (9): 334-337. Ref. Eng. Sum. Sept 1975

022652 384 C422
Production of crude fats from slaughter animals and its technical significance in the production of meat products. (Ger) Kotter, L; Schmidt, H *Fette Seifen Anstrichm* 77 (9): 325-328. Eng. Sum. Sept 1975

022653 384 C422
Refining of animal fats. (Ger) Patterson, H B W *Fette Seifen Anstrichm* 77 (9): 330-334. Eng. Sum. Sept 1975

022654 TS1540.A1F52
Surface properties of wool fibers. Makinson, K R *Fiber Sci Ser* 7 (1): 109-164. Ref. 1975

022655 SF391.H6
Grade and yield [Swine, carcasses]. Johnston, G ed *Hog Farm Manage* 12 (12): 28-30. Dec 1975

022656 TP493.5.F6
Freeze drying of sliced beef. Bengtsson, N E *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 253-276. Ref. 1975

022657 TP493.5.F6
Requirements and methods of freezing marine products and meat. Hewitt, M R *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 161-175. Ref. 1975

022658 HD9000.1.I52
On the production and control of roasted ham. (Ita) Cantoni, C; Bianchi, M A; Beretta, G *Ind Aliment* 14 (10): 109-112. Eng. Sum. Oct 1975

022659 HD9000.1.I52
Speck [dried pork]: Production and characteristics. (Ita) Brusco, A; Massari, M; Gallmetzer, P *Ind Aliment* 14 (10): 129-134. Ref. Oct 1975

022660 304.8 IN84
Action of alkalis on keratinic fibers in relation to morphological structure. 1. Action of alkalis on the disulfide bridge of cystine in relation to morphological structure [Wool]. (Spa) Erra, P; Miro, P; Anguera, S *Invest Inf Text Tens* 18 (2): 151-166. Ref. June 30, 1975

022661 304.8 IN84
Cuticular and cortical modifications of keratinic fibers from reaction with methylamine. (Spa) Erra, P; Fernandez, M E; Julia, R; Garcia Dominquez, J J *Invest Inf Text Tens* 18 (1): 13-29. Ref. Eng. Sum. Mar 31, 1975

022662 381 J8223
A review of thermally produced imitation meat flavors. Wilson, R A *J Agric Food Chem* 23 (6): 1032-1037. Ref. Nov/Dec 1975

022663 381 J8223
Chemical changes associated with flavor in irradiated meat. Merritt, C Jr; Angelini, P; Wierbicki, E; Shults, G W *J Agric Food Chem* 23 (6): 1037-1041. Ref. Nov/Dec 1975

022664 381 J8223
Stability of myofibrillar EDTA-ATPase [ethylendiamine tetraacetic acid-adeninetriphosphatase] in rabbit psoas fiber bundles [Meat quality]. Yasui, T; Sumita, T; Tsunogae, S *J Agric Food Chem* 23 (6): 1163-1168. Ref. Nov/Dec 1975

022665 381 J8223
Use of in-package controlled atmospheres for extending the shelf life of meat products. Benedict, R C; Strange, E D; Palumbo, S; Swift, C E *J Agric Food Chem* 23 (6): 1208-1212. Ref. Nov/Dec 1975

022666 389.8 AM34
Chilled food systems [Quality-related propeties of cooked ground beef loaves]. Zallen, E M; Hitchcock, M J; Goertz, G E *J Am Diet Assoc* 67 (6): 552-557. Ref. Dec 1975

022667 49 J82
Comparison of carcasses and meat from steers, short scrotum bulls and intact bulls. Albaugh, A; Carroll, F D; Ellis, K W; Albaugh, R *J Anim Sci* 41 (6): 1627-1631. Ref. Dec 1975

022668 49 J82
Indices of leanness in commercial bacons. Stiffler, D M; Chant, J L Jr; Kinsman, D M; Kotula, A W *J Anim Sci* 41 (6): 1611-1617. Ref. Dec 1975

022669 49 J82
Quantitative and qualitative carcass characteristics of straightbred and reciprocally crossed Angus, Charolais and Hereford steers. Hedrick, H B; Krause, G F; Lasley, J F; Sibbit, B; Langford, L *J Anim Sci* 41 (6): 1581-1590. Ref. Dec 1975

022670 49 J82
Relationships between fatty acid composition of lamb fat and dietary ingredients. Ray, E E; Kromann, R P; Cosma, E J *J Anim Sci* 41 (6): 1767-1774. Ref. Dec 1975

022671 49 J82
Variations in the amount, distribution and texture of intramuscular fat within muscles of the beef carcass. Cross, H R; Abraham, H C; Knapp, E M *J Anim Sci* 41 (6): 1618-1626. Dec 1975

022672 381 AS7
Microwave oven method for rapid determination of moisture in meat. Pettinati, J D *J Assoc Off Anal Chem* 58 (6): 1188-1193. Ref. Nov 1975

022673 381 AS7
Rapid determination of fat in meat and meat products by Foss-let solvent extraction and density measurement. Pettinati, J D; Swift, C E *J Assoc Off Anal Chem* 58 (6): 1182-1187. Nov 1975

022674 389.8 F7322
Chemical, palatability and cooking characteristics of normal and low quality [pale, soft, exudative] pork loins as affected by freezer storage. Kemp, J D; Montgomery, R E; Fox, J D *J Food Sci* 41 (1): 1-3. Ref. Jan/Feb 1976

022675 389.8 F7322
Cyclic AMP [adenosine monophosphate] in longissimus muscle from control and stress susceptible pigs. Ono, K; Topel, D G; Althen, T G *J Food Sci* 41 (1): 108-110. Ref. Jan/Feb 1976

022676 389.8 F7322
Effect of a protected lipid supplement on flavor properties of beef. Ford, A L; Park, R J; Ratcliff, D *J Food Sci* 41 (1): 94-96. Ref. Jan/Feb 1976

022677 389.8 F7322
Effect of high temperature conditioning on subcellular distribution and levels of lysosomal enzymes [Meat tenderness]. Moeller, P W; Fields, P A; Dutson, T R; Landmann, W A; Carpenter, Z L *J Food Sci* 41 (1): 216-217. Ref. Jan/Feb 1976

022678 389.8 F7322
Effect of muscle type on residual nitrite in cured meat [Swine]. Lee, S H; Cassens, R G; Fennema, O R *J Food Sci* 41 (1): 100-101. Jan/Feb 1976

022679 389.8 F7322
Effect of quality grade and cut formulation on the palatability of ground beef patties. Cross, H R; Green, E C; Stanfield, M S; Franks, W J Jr *J Food Sci* 41 (1): 9-11. Jan/-Feb 1976

022680 389.8 F7322
Evaluation of ascorbyl monoesters for the inhibition of nitrosopyrrolidine formation in a model system [simulating bacon]. Pensabene, J W; Fiddler, W; Feinberg, J; Wasserman, A E *J Food Sci* 41 (1): 199-200. Jan/-Feb 1976

022681 389.8 F7322
Further evaluation of conventional and hot-boned bovine longissimus dorsi muscle excised at various conditioning periods [Beef carcasses, tenderness]. Kastner, C L; Sullivan, D P; Ayaz, M; Russell, T S *J Food Sci* 41 (1): 97-99. Ref. Jan/Feb 1976

022682 389.8 F7322
Microbiology and technology of the pepperoni process. Palumbo, S A; Zaika, L L; Kissinger, J C; Smith, J L *J Food Sci* 41 (1): 12-17. Ref. Jan/Feb 1976

022683 389.8 F7322
Peak shear-force values obtained for veal muscle samples cooked at 50 and 60 Celsius: influence of aging. Bouton, P E; Harris, P V; Shorthose, W R *J Food Sci* 41 (1): 197-198. Ref. Jan/Feb 1976

022684 389.8 F7322
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE [pale, soft, exudative] porcine muscle [Swine]. Sung, S K; Ito, T; Fukazawa, T *J Food Sci* 41 (1): 102-107. Ref. Jan/Feb 1976

022685 382 SO12
Contribution of nitrite and nitrate to the colour and flavour of cured meats. MacDougall, D B; Mottram, D S; Rhodes, D N *J Sci Food Agric* 26 (11): 1743-1754. Ref. Nov 1975

022686 382 SO12
Effect of shortening during cooking on the tenderness and histology of beef. Locker, R H; Daines, G J *J Sci Food Agric* 26 (11): 1711-1720. Ref. Nov 1975

022687 382 SO12
Occurrence of volatile nitrosamines [known to be carcinogenic] in spice premixes [Meat products]. Gough, T A; Goodhead, K *J Sci Food Agric* 26 (10): 1473-1478. Ref. Oct 1975

022688 382 SO12
Rigor mortis in beef sternomandibularis muscle at 37 Celsius. Locker, R H; Daines, G J *J Sci Food Agric* 26 (11): 1721-1733. Ref. Nov 1975

022689 382 SO12
Use of a centrifuging method to measure the drip of pork Longissimus dorsi slices before and after freezing and thawing. Penny, I F *J Sci Food Agric* 26 (10): 1593-1602. Ref. Oct 1975

022690 382 SO12
Volatile amine production in uncured pork during storage. Patterson, R L S; Edwards, R A *J Sci Food Agric* 26 (9): 1371-1373. Sept 1975

022691 49 N62
Recent tendency in research on PSE [pale soft exudative] porcine muscle. (Jpn) Fukazawa, T *Jap J Zootech Sci* 46 (9): 501-508. Ref. Sept 1975

022692 SF1.L5
The pH1 [hydrogen-ion concentration] of longissimus dorsi muscle in purebred and commercial pigs. McLoughlin, J V; McGloughlin, P *Livest Prod Sci* 2 (3): 261-269. Ref. Sept 1975

022693 20 M57
Centers for improving product qualities of farm animals. (Rus) Glod, W *Mezhdunar S-kh Zh* 6: 66-70. 1975

022694 S542.A1N45
Chemical control of fleece wool and sheep dip micro-organisms. Falloon, R E; Mulcock, A P *N Z J Exp Agric* 3 (3): 275-280. Ref. Sept 1975

022695 S542.A1N45
Comparison of the growth and carcass composition of purebred Angus and crossbred Hereford-Angus and Friesian-Angus steers [Beef cattle]. Bass, J J; Baker, R L; Carter, A H; Ackerley, L R *N Z J Exp Agric* 3 (3): 207-211. Ref. Sept 1975

022696 514 N482
Diffusion of regain in bulk wool. 9. Restrictive influence of a cardboard container. Walker, I K; Harrison, W J *N Z J Sci* 18 (3): 465-472. Ref. Sep 1975

022697 382 P56
Kinetic studies of the tryptophan triplet state in solid film and in wool keratin. Ghiggino, K P; Nicholls, C H; Pailthorpe, M T *Photochem Photobiol* 22 (5): 169-173. Ref. Nov 1975

022698 46.8 P623
Ham shape no clue to lean content. Looker, M *Pig Farming* 24 (1): 36-37. Jan 1976

389.79 C81
Comparative efficiency of animals in the conversion of feedstuffs to human foods. Reid, J T *Proc Cornell Nutr Conf Feed Manuf* P. 16-24. 1975

022699 49.9 N483
Comparison between two methods of selecting 20-month steers for slaughter [Carcass weight]. Nicol, A M *Proc N Z Soc Anim Prod* 34: 96-99. 1974

022700 389.9 AM31
Carcass composition and quality of bulls versus steers [Beef]. Hurst, C E; Jacobs, J A; Howes, A D; Gregory, T L; Sauter, E A; Miller, J C *Proc West Sect Am Soc Anim Sci* 26: 60-61. 1975

022701 389.9 AM31
Effects of breed and forage vs grain feeding on beef palatability and shelflife. Wheeling, M R; Berry, B W; Carpenter, J A Jr *Proc West Sect Am Soc Anim Sci* 26: 98-101. Ref. 1975

022702 389.9 AM31
Protein yields from bones destined for processing [Cattle, sheep, swine]. Field, R A; Kruggel, W G; Riley, M L; Chant, J L *Proc West Sect Am Soc Anim Sci* 26: 74-77. Ref. 1975

022703 389.9 AM31
Quality of pressed steaks from stored [beef] tenderloins. Roberts, J E; Field, R A; Booren, A; Meyers, T G *Proc West Sect Am Soc Anim Sci* 26: 78-81. Ref. 1975

022704 389.9 AM31
Relationship of body type to carcass traits [Cattle]. Cramer, D A; Kattnig, R M; Hecker, A L; Snedeger, J A *Proc West Sect Am Soc Anim Sci* 26: 90-93. Ref. 1975

022705 389.9 AM31
Retail carcass comparisons of bulls and steers [Beef]. Miller, J C; Jacobs, J A; Howes, A D; Araji, J A; Ringkob, T P *Proc West Sect Am Soc Anim Sci* 26: 63-66. 1975

022706 389.9 AM31
Specific gravity estimates of bone composition [Cattle, sheep, swine]. Field, R A; Riley, M L *Proc West Sect Am Soc Anim Sci* 26: 70-73. Ref. 1975

022707 SF713.K8A3
Analysis of artificial colouring matters in sausage and ham by paper chromatography and spectrophotometry. (Kor) Cho, T H; Cho, J H; Yang, Y K *Res Rep Off Rural Dev* 17: 87-93. Ref. Eng. Sum. Aug 1975

100 OK4M
Feedlot performance and carcass evaluation of various two-breed cross steers fed at weaning age and as yearlings. Frahm, R; Boyd, M; Walters, L; Eason, J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 50-57. Oct 1975

022708 390.08 R32
Amino acid composition in beef muscles and organs. (Fre) Vuyst, A de; Vervack, W; Vanbelle, M; Foulon, M *Rev Ferment Ind Aliment* 30 (2): 37-42. Eng. Sum. 1975

9.4 R32
Influence of pseudocryptorchidism on growth, yield and quality of meat [Cattle]. (Spa) Velasco, E A *Rev Nac Agric* 68 (812): 29-32. Feb 1975

022709 60.9 C46
Macro-element and trace element nutrition of sheep grazing tussock grassland. Grace, N D; Scott, D *Rev Tussock Grassl Mt Lands Inst* 31: 13-19. 1975

022710 60.9 C46
Urea supplements for Merino ewes. Scales, G H; Scott, P J *Rev Tussock Grassl Mt Lands Inst* 31: 9-12. 1975

022711 60.9 C46
What sheep eat on developed and undeveloped high country. Hughes, J G *Rev Tussock Grassl Mt Lands Inst* 31: 20-30. 1975

022712 515 SO84
The role of crimp in the assessment of wool quality. Turpie, D W F *S Afr J Sci* 71 (6): 183-186. Ref. June 1975

022713 SB183.S3
Meat efficiency of the F11 generation crossbred of the Slovak Spotted cattle with the Black Pied Lowland cattle. (Ger) Chrenek, J; Plesnik, J *Sci Agric Bohemoslov* 7 (1): 59-68. Ref. Eng. Sum. 1975

022714 20 M66
Bacterial contamination of beet stored in an atmosphere with carbon dioxide. (Bel) Kavaleuski, K M *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 122-125. 1975

022715 20 M66
Effect of grasses fertilized with carbamide and diammonium phosphate on the chemical composition of meat and physical properties of the wool of sheep. (Bel) Dzistserla, V A; IAkauleu, L A; Slesarau, I K *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 109-112. 1975

022716 41.8 V641
Meat temperature and EEC [European Economic Community]. Cutting, C L *Vet Rec* 11 (2): 471-472. Dec 13, 1975

022717 20 V82
Sulfhydryl groups in [sheep] wool. (Ukr) Makar, I A; Lobur, V V *Visn Sil's'kohospod Nauki* 7: 89-91. July 1975

022718 384 Z39
Postmortem glycolysis in ground skeletal muscle as influenced by prerigor freezing and subsequent thawing. Dalrymple, R H; Hamm, R *Z Lebensm Unters Forsch* 158 (6): 333-339. Ref. 1975

022719 49 Z6
Increasing the wool quality of sheep in Ural Region. (Rus) Satkanov, E T; Kudriakov, K G *Zhivotnovodstvo* 6: 71-72. June 1975

022720 49 Z6
Quality of hides and skins of young Hereford and Simmental hybrids [Properties, composition]. (Rus) Dudin, S IA; Kozhukhovskii, I P; Etkin, IA S; Nesvetaev, N T; Amanzholov, K D *Zhivotnovodstvo* 6: 67-70. June 1975

49 Z6
Veal productivity of calves of dairy and beef-dairy [cattle] breeds in conditions of industrial technology [Costs, returns, meat composition]. (Rus) Levantin, D L; Khrapkovsii, A I; Sorokin, A M *Zhivotnovodstvo* 8: 22-24. Aug 1975

022721 49 Z8
Prediction of lamb carcass composition by use of indirect measurements. (Ger) Nitter, G; Parvaneh, B *Zuchtungskunde* 47 (5): 336-350. Ref. Eng. Sum. Sept/Oct 1975

49 Z8
The effect of castration on weight gain and carcass quality in male fat-tail sheep. (Ger) Assadi-Moghaddam, R; Nik-Khah, A *Zuchtungskunde* 47 (5): 351-356. Ref. Eng. Sum. Sept/Oct 1975

POULTRY PRODUCTS

022722 41.8 L49
Storage of fresh eggs under commercial and private conditions. (Ger) Baur, E *Arch Lebensm Hyg* 26 (5): 188-190. Eng. Sum. Sept-/Oct 1975

022723 47.8 B26
Stroncium content of poultry bones and eggshell. (Hun) Szabo, A *Baromfiipar* 22 (9): 407-409. 1975

107.6 K114B
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breed. II. On the dissecting yields. (Jpn) Kojima, M; Kako, Y; Goto, S; Mochida, Y *Bull Fac Agric Kagoshima Univ* 25: 109-123. Eng. Sum. Mar 1975

107.6 K114B
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. III. On the chemical composition of muscle. (Jpn) Kojima, M; Kako, Y; Goto, S; Mochida, Y *Bull Fac Agric Kagoshima Univ* 25: 125-138. Eng. Sum. Mar 1975

022724 275.29 ID13IDC
High quality eggs producer to consumer [Processing]. Petersen, C F; Sauter, E A; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 305, 4 P. June 1975

022725 SF481.I55
Processing of poultry for meat. Upadhyay, S N *Indian Poult Rev* 6 (20): 735-739. June 1, 1975

022726 389.8 F7322
Isolation and characterization of the lipids from the chicken preen gland. Lillard, D A; Toledo, R T *J Food Sci* 41 (1): 195-196. Jan/-Feb 1976

022727 389.8 F7322
Quality characteristics of convenience chicken products as related to packaging and storage. Arafa, A S; Chen, T C *J Food Sci* 41 (1): 18-22. Ref. Jan/Feb 1976

022728 382 SO12
Effects of spray-drying and freezing on the proteins of liquid whole egg. Parkinson, T L *J Sci Food Agric* 26 (11): 1625-1637. Ref. Nov 1975

022729 382 SO12
Fractionation of the lipids of raw egg. Parkinson, T L *J Sci Food Agric* 26 (11): 1639-1645. Nov 1975

022730 47.8 P8644
Is your cage-floor raising "seconds"? [Egg collection, shell damage]. Elson, A *Poult Ind* 39 (5): 16. Oct 1975

022731 309.9 T57
Studies on the solubilization of keratin. VI. The solubilization of [chicken] feather keratin by oxidation with performic acid. (Jpn) Kikkawa, M *Rep Gov Chem Ind Res Inst Tokyo* 70 (9): 319-328. Ref. Eng. Sum. Sept 1975

20 M66
Morphological and chemical indices of eggs of hybrid and line-bred poultry with varying levels of nutrition. (Bel) IAkimovich, N I *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 116-121. 1975

FIELD CROP PRODUCTS

022732 S671.A2
Separation of thrashed cereal mass on a vibrating screen. (Slo) Ponican, J *Acta Technol Agric* 13: 75-94. Ref. Eng. Sum. 1975

022733 58.8 D482
Crushing of cereals in impact mills. (Ger) Krug, H; Rammler, E; Naundorf, W *Agrartechnik* 25 (7): 342-345. 1975

022734 385 AG8B
Compositional difference of wheat flour glutens in relation to their aggregation behaviors. Arakawa, T; Yonezawa, D *Agric Biol Chem* 39 (11): 2123-2128. Nov 1975

022735 A281.9 AG8A
Cotton gin operating costs in the San Joaquin Valley of California, 1973/74. Wilmot, C A; Shaw, D L; Heron, B K; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 316, 10 P. Oct 1975

022736 58.8 AG83
Plant juice protein: the promise, the problems [Alfalfa, processing, equipment]. *Agric Eng (St Joseph, Mich)* 56 (12): 14-17. Dec 1975

022737 1.98 AG84
An honor for super slurper [Industrial chemicals from starch that is in excess of food needs]. U.S. Agricultural Research Service *Agric Res* 24 (7): 12-13. Jan 1976

022738 1.98 AG84
Storing [pearlmillet] seeds for a century. U.S. Agricultural Research Service *Agric Res* 24 (6): 6-7. Dec 1975

022739 14 F8499AN
Extraction and concentration of the volatile constituents of cereals grains with a view to their analysis by gas chromatography. (Fre) Richard-Molard, D; Drapron, R *Ann Tech Agric* 24 (1): 65-74. Eng. Sum. 1975

022740 14 F8499AN
Rice parboiling: effects of processing conditions and varietal factors on milled rice characteristics. (Fre) Feillet, P; Alary, R *Ann Tech Agric* 24 (1): 11-23. Ref. Eng. Sum. 1975

022741 TP368.C4
The microbiology of [stored] cereals [Fungi, bacteria]. (Por) Leitao, M F F *Bol Inst Tecnol Aliment* 41: 1-29. Eng. Sum. Mar 1975

022742 390.8 B732
Advice for malting 1975 barley. (Ger) Kaiser, A *Brauwelt* 115 (43): 1440. Oct 23, 1975

022743 390.8 B732
Screening of malting barley in the laboratory: a new laboratory screening apparatus for the grading of malting barley and other grains. (Ger) Drawert, F; Weyh, H *Brauwelt* 115 (43): 1432-1436. Eng. Sum. Oct 23, 1975

022744 107.6 T5762
Effects of temperature on the bran layers of rice kernels. (Jpn) Takanashi, S; Chiba, F; Kataoka, K *Bull Fac Agric Tamagawa Univ* 14: 59-63. Eng. Sum. 1974

022745 58.9 F843B
Experience on the transit of grain in a continuous dryer with flooded air channels. (Fre) Feuilloley, P; Gratraud, J; Lidome, G; Degos, J C; Diry, S *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 49-53. Oct 1975

022746 450 C16
Effects of nitrogen on the protein content of barley. Walker, D R *Can J Plant Sci* 55 (4): 873-879. Oct 1975

TP415.D4
Phosphorus in starch [Potatoes, cereals]. (Jpn) Tabata, S; Hizukuri, S *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (2): 27-39. Ref. June 1975

022747 TP415.D4
Studies on structure and physico-chemical properties of starch. 2. Reaction of epichlorohydrin with corn starch. (Jpn) Kainuma, K; Miyamoto, S; Suzuki, S *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (3): 66-71. Ref. Eng. Sum. Sept 1975

022748 389.8 D482
Uniform method for manufacturing sugar oxime silyl derivatives for gas chromatographic analysis. (Ger) Zurcher, K; Hadorn, H; Strack, C *Dtsch Lebensm Rundsch* 75 (11): 393-399. Eng. Sum. Nov 1975

022749 298.8 SU2
Distribution of grain size in baked rye chips. (Ger) Zwingelberg, H *Dtsch Muller Ztg* 73 (19): 350-352. (Continued) Oct 9, 1975

022750 298.8 SU2
Distribution of grain size in baked rye chips. (Ger) Zwingelberg, H *Dtsch Muller Ztg* 73 (20): 364-366. (Concluded) Oct 23, 1975

022751 298.8 SU2
Milling diagram in short high milling procedure. (Ger) Knauff, O *Dtsch Muller Ztg* 73 (15): 273-275. Aug 14, 1975

022752 298.8 SU2
Quality of rye harvest in 1975. (Ger) Drews, E; Weipert, D *Dtsch Muller Ztg* 73 (20): 357-358, 360-361. Oct 23, 1975

022753 298.8 SU2
Quality of the 1975 wheat harvest. Quantitative and qualitative results in the [West German] states and provinces. (Ger) Bolling, H; Gerstenkorn, P *Dtsch Muller Ztg* 73 (21): 385-386, 388, 390-389. Maps. Nov 6, 1975

022754 298.8 SU2
Simple rapid determination of wheat quality with the resistogram. (Ger) Brabender, M *Dtsch Muller Ztg* 73 (16): 289-290. Aug 28, 1975

022755 298.8 SU2
Suggestion for a classification of a moist glutinous dough property. (Ger) Aberham, H *Dtsch Muller Ztg* 73 (16): 291-292. Aug 28, 1975

022756 HD1945.A1E2
1975-1976 cereals: low collection, increasing storage capacity. (Fre) *Econ Agric* 29 (11): 4-5. Nov 1975

022757 290.9 M57
Long-distance transfer of data and mechanized data processing in sugar industry. (Hun) Cseresnyes, G; Vincze, F; Radoczky, S *Elelmez Ipar* 29 (8): 230-236. Eng. Sum. Aug 1975

022758 290.9 M57
Preparation of protein isolated from extracted sunflower grits. (Hun) Demeczky, M; Szigeti, Zs *Elelmez Ipar* 29 (8): 225-230. Ref. Eng. Sum. Aug 1975

022759 A281.9 AG83E
Cost of storing and handling cotton at public storage facilities, 1972-73, with projections for 1974-75. Chandler, W M Jr; Ghetti, J L; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 554, 38 P. June 1974

022760 TS1540.A1F52
Abrasion of textile surfaces [Cotton]. Galbraith, R I *Fiber Sci Ser* 7 (1): 193-224. Ref. 1975

022761 TS1540.A1F52
Surface properties of cotton fibers. Duckett, K E *Fiber Sci Ser* 7 (1): 67-108. Ref. 1975

331.8 F69
Some major regional problems in tobacco growing and processing. (Hun) Oroshazy, L *Foldrajzi Ert* 23 (4): 459-470. 1974

022762 298.8 G33
Influence of parboiling on the physical and chemical properties of rice. (Ger) Bolling, H; el Baya, A W *Getreide Mehl Brot* 29 (9): 230-233. Sept 1975

022763 298.8 G33
Rheology of rye dough. III. Model test of clarification of viscose behavior in dough in rising temperatures. (Ger) Weipert, D *Getreide Mehl Brot* 29 (9): 225-230. Sept 1975

022764 301.8 G36
New method of [press] packing sunflower husks [for transport to hydrolitic processing establishments]. (Rus) Lua, N V; Nepomniashchii, O V; Panin, A D *Gidroliz Lesokhim Prom-st'* 4: 13-14. 1974

022765 68.8 G65
Soy products in chocolate and cocoa: their use as a complement or partner of milk protein. (Ger) Mohr, E *Gordian* 75 (11): 328, 330, 332. Eng. Sum. Nov 1975

022766 HD9000.1.I52
Variety influence on sunflower seed oil composition. I. (Ita) Sciancalepore, V *Ind Aliment* 14 (10): 120-124. Ref. Eng. Sum. Oct 1975

022767 304.8 IN84
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, dog hair]. (Spa) Erra, P; Miro, P; Anguera, S *Invest Inf Text Tens* 18 (3): 287-300. Ref. Sept 30, 1975

022768 304.8 IN84
Application of the B-V electronic hairness tester to the cotton yarns: nature and efficiency of the measure. (Spa) Barella, A; Vigo, J P *Invest Inf Text Tens* 18 (2): 141-149. Ref. Eng. Sum. June 30, 1975

022769 304.8 IN84
Contribution to the study of the influence of turbine cleanliness on the properties of cotton open-end spun yarns. 2. (Spa) Barella, A; Vigo, J P; Tarres, F J *Invest Inf Text Tens* 18 (2): 129-140. Eng. Sum. June 30, 1975

022770 304.8 IN84
Open-end spun yarns made from blends: their properties during bobbin formation [Polyester, cotton]. (Spa) Barella, A; Vigo, J P; Tarros, F J *Invest Inf Text Tens* 18 (3): 269-277. Eng. Sum. Sept 30, 1975

022771 304.8 IZ8
Experimental investigation of fiber movement in the displacement section of a staple cutting machine. (Rus) Litvinov, M S; Sevost'ianov, A G *Izv Vyssh Uchebn Zaved, Teknol Tekst Prom-st* 4: 32-36. 1975

022772 304.8 IZ8
Influence of basic parameters of hackling machine operation on the efficiency of scutched flax hackling process. (Rus) Balobina, A A *Izv Vyssh Uchebn Zaved, Teknol Tekst Prom-st* 4: 40-43. 1975

022773 381 J8223
Identification and properties of "phytate" in cereal grains and oilseed products. Boland, A R de; Garner, G B; O'Dell, B L *J Agric Food Chem* 23 (6): 1186-1189. Ref. Nov/-Dec 1975

022774 381 J8223
Milling of paddy in relation to yield and quality of rice of different Indian varieties. Sidhu, J S; Gill, M S; Bains, G S *J Agric Food Chem* 23 (6): 1183-1185. Ref. Nov/Dec 1975

381 J8223
Rapid determination of tryptophan in beans (Phaseolus vulgaris) [maize and wheat] by the acid ninhydrin method. Sodek, L; Vecchia, P T D; Lima, M L G P *J Agric Food Chem* 23 (6): 1147-1150. Ref. Nov/Dec 1975

022775 381 J8223
Soluble protein concentrate [food supplement] from alfalfa by low-temperature acid precipitation. Miller, R E; De Fremery, D; Bickoff, E M; Kohler, G O *J Agric Food Chem* 23 (6): 1177-1179. Ref. Nov/Dec 1975

022776 381 J8223
Studies on groundnut proteins. IV. Effect of storage or proteolysis on the gel electrophoresis pattern of arachin. Shetty, K J; Rao, M S N *J Agric Food Chem* 23 (6): 1220-1221. Nov/Dec 1975

022777 QD471.A1J5
Mono- and diquaternary ammonium cellulose cottons prepared in nonaqueous media. Perrier, D M; Benerito, R R *J Appl Polym Sci* 19 (12): 3211-3220. Ref. Dec 1975

022778 390.08 H12
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of sake [rice beer] yeast [Saccharomyces cerevisiae]. (Jpn) Koizumi, T; Suzuki, M; Suzuki, Meiji *J Ferment Technol* 53 (11): 770-779. Ref. Eng. Sum. Nov 1975

022779 298.8 M622
Milling wheat varieties increase in popularity. Wormell, P *J Flour Anim Feed Milling* 157 (12): 18-19. Dec 1975

022780 389.8 F7322
Apparent solubility and alkali degradation patterns of rice varieties. Priestley, R J *J Food Sci* 41 (1): 209-210. Ref. Jan/Feb 1976

022781 389.8 F7322
Degradation of raffinose and stachyose in soybean milk by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within polyacrylamide gel. Thananunkul, D; Tanaka, M; Chichester, C O; Lee, T C *J Food Sci* 41 (1): 173-175. Ref. Jan/Feb 1976

022782 389.8 F7322
Dough conditioners for 12% soy-fortified bread mixes. Bookwalter, G N; Mehltretter, C L *J Food Sci* 41 (1): 67-69. Ref. Jan/Feb 1976

022783 389.8 F7322
Effect of sodium alkalis and salts on pH [hydrogen-ion concentration] and flavor of soymilk [Soybeans]. Bourne, M C; Escueta, E E; Banzon, J *J Food Sci* 41 (1): 62-66. Ref. Jan/Feb 1976

022784 389.8 F7322
Illinois process for preparation of soymilk [Soybeans]. Nelson, A I; Steinberg, M P; Wei, L S *J Food Sci* 41 (1): 57-61. Ref. Jan/-Feb 1976

022785 389.8 F7322
Production of flavor volatiles in enzyme and substrate enriched peanut homogenates. Singleton, J A; Pattee, H E; Sanders, T H *J Food Sci* 41 (1): 148-151. Ref. Jan/Feb 1976

022786 389.8 F7322
Protein content and amino acid composition in groats and hulls of developing oats (Avena sativa). Pomeranz, Y; Shands, H L; Robbins, G S; Gilbertson, J T *J Food Sci* 41 (1): 54-56. Ref. Jan/Feb 1976

022787 TP368.J6
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. Romo, C R; Lakin, A L; Rolfe, E J *J Food Technol* 10 (5): 541-546. Ref. Oct 1975

022788 381 J829L
"A model for the degradation of cotton cellulose." A comment. Elema, R J *J Polym Sci, Part B Polym Lettr* 13 (9): 533-534. Sept 1975

022789 382 SO12
Analysis of mesocarp and kernel oils from the American oil palm and F1 hybrids with the West African oil palm. Macfarlane, N; Swetman, T; Cornelius, J A *J Sci Food Agric* 26 (9): 1293-1298. Sept 1975

022790 382 SO12
Effect of water and BHT [butylated hydroxytoluene] on stability of cottonseed oil during frying. Peled, M; Gutfinger, T; Letan, A *J Sci Food Agric* 26 (11): 1655-1666. Ref. Nov 1975

022791 382 SO12
Interaction of gossypol with cottonseed protein: potentiometric studies. Damaty, S; Hudson, B J F *J Sci Food Agric* 26 (11): 1667-1672. Nov 1975

022792 382 SO12
Pattern of crack formation in rice grain as influenced by shape and orientation of cells. Srinivas, T *J Sci Food Agric* 26 (10): 1479-1482. Oct 1975

022793 72.8 K522
Improvement of the techniques of sampling and analyzing [raw] cotton. (Rus) Meshcheriakova, V D *Khlopkovodsto* 6: 43-44. June 1975

022794 59.8 L39
Bulk rice. Alternatives for harvesting, transport, drying and storage. (Por) Howell, J D *Lav Arroz* 28 (285): 4-21. June 1975

022795 59.8 L39
Pioneers of bulk storage of rice [Cooperatives]. (Por) Becker, C C *Lav Arroz* 28 (285): 39-40. June 1975

022796 59.8 L39
Plastic packaging for seed rice. (Por) Conill, A *Lav Arroz* 28 (285): 46-48. June 1975

022797 59.8 L39
Storage of seeds [Grain]. (Por) Rocha, S B da *Lav Arroz* 28 (284): 36-37. Ref. Eng. Sum. Mar/Apr 1975

022798 QP751.L5
Lipoxygenase isozymes of peanut. Sanders, T H; Pattee, H E; Singleton, J A *Lipids* 10 (11): 681-685. Ref. Nov 1975

58.9 B85M
Investigation of the process of corn harvesting with crushing and its preserving. (Hun) Majkuth, J; Csermely, J *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (10), 43 P. Eng. Sum. 1975

022799 298.8 M89
Development of bulk transort of flour in France. (Ger) Colas des Francs, H *Muhle Mischfuttertech* 112 (46): 610-612. Eng. Sum. Nov 20, 1975

022800 298.8 M89
Drying of various maize varieties and hybrids. (Ger) Katic, Z *Muhle Mischfuttertech* 112 (43): 561-564. Eng. Sum. Oct 30, 1975

022801 298.8 M89
New methods of cleaning and moistening of cereals. (Ger) Wyss, E *Muhle Mischfuttertech* 112 (43): 564-567. Oct 30, 1975

022802 298.8 M89
Quality of the 1975 German wheat harvest. 2. Milling and baking quality. (Ger) Bolling, H; Zwingelberg, H *Muhle Mischfuttertech* 112 (45): 591-594. Maps. Nov 13, 1975

022803 298.8 M89
Quality of the 1975 [cereal] harvest and its influence on baking procedures of trade flours. (Ger) Brummer, J M; Stephan, H *Muhle Mischfuttertech* 112 (49): 657-658. Dec 11, 1975

022804 298.8 M89
Tight crushing and air sifting of wheat flour. (Ger) *Muhle Mischfuttertech* 112 (49): 660. Dec 11, 1975

022805 298.8 M89
26th meeting for milling technology in Detmold, 1975. 3. [Abstracts of papers]. (Ger) *Muhle Mischfuttertech* 112 (47): 625-626. Nov 27, 1975

022806 298.8 M89
26th meeting for milling technology in Detmold, 1975. 2. [Abstracts of papers]. (Ger) Drews, E; Zwingelberg, H *Muhle Mischfuttertech* 112 (45): 595-597. Nov 13, 1975

022807 298.8 M89
26th meeting for milling technology in Detmold, 1975. 4. [Abstracts of papers]. (Ger) Bolling, H; Meyer, D *Muhle Mischfuttertech* 112 (49): 661. Dec 11, 1975

022808 389.8 N142
Glyceride structure of Egyptian vegetable oils. VII. Erucic acid rich oils. Osman, F; Fiad, S *Nahrung* 19 (8): 641-647. Ref. 1975

022809 389.8 N142
Studies on the effects of various adsorbents on the constituents of vegetable oil [Rapeseed, sunflowers]. (Ger) Franzke, C; Grunert, S; Hashem, H A A *Nahrung* 19 (8): 707-713. Ref. Eng. Sum. 1975

022810 S293.C6N31
Morphological and chemical study on grain characteristics of indigenous Thai rice variety. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 212-220. Ref. 1974

022811 281.9 B87
Drying rates of humid maize increased by ten percent. (Fre) Chesneau, J C *Prod Agric Fr* 51 (176): 10-11. Sept 15, 1975

022812 A281.9 AG8
Ginning of narrow-row cotton. Wanjura, D F; Baker, R V; U.S. Dept. of Agriculture *Prod Res Rep Agric Res Serv U S Dep Agric* 160, 8 P. Dec 1975

022813 309.9 T57
Thermal reaction of safflower oil fatty acid methyl esters in the presence of iodine: identification of reaction products. (Jpn) Kubota, Y; Hashimoto, T *Rep Gov Chem Ind Res Inst Tokyo* 70 (9): 338-346. Ref. Eng. Sum. Sept 1975

022814 SB29.K8A3
Studies on the storage of Tongil rice. (Kor) Han, D S; Min, Y K; Han, P J; Kim, Y S; Lee, J Y *Res Rep Off Rural Dev (Suwon)* 17: AE29-AE38. Ref. Eng. Sum. Aug 1975

022815 9.2 C332
Microanalysis in routine work. II. Evaluation of [cereal] proteins. (Por) Brune, W; Braga, J M; Batista, C M; Silva, D J da *Rev Ceres* 22 (121): 178-186. Ref. Eng. Sum. May/June 1975

022816 24 R34
The integrated research advisory and extension service of the South African Sugar Association's Experiment Station. Donovan, P A *Rhod Agric J* 72 (5): 115-117. Sept/Oct 1975

022817 307.8 OL3
Interpretation of vegetable oil analyses through EDP [electronic data processing]. (Ita) Carola, C *Riv Ital Sost Grasse* 52 (7): 221-225. Eng. Sum. July 1975

022818 307.8 OL3
On the use of enzymes for vegetable-oil extraction. A preliminary report. Lanzani, A; Petrini, M C; Cozzoli, O; Gallavresi, P; Carola, C; Jacini, G *Riv Ital Sost Grasse* 52 (7): 226-229. July 1975

022819 307.8 OL3
The "Direx-40" process for direct solvent extraction of seeds with a high oil content without pre-pressing, i.e. without using expellers. Bernardini, E; Bernardini, M *Riv Ital Sost Grasse* 52 (8): 271-275. Aug 1975

022820 20.5 R59 SER. C
Nitrate and nitrite content in wheat dried in internal combustion dryers. (Pol) Fornal, L; Fornal, J; Soral-Smietana, M; Strzatkowska, E *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 37-44. Ref. Eng. Sum. 1975

022821 20.5 R59 SER. C
Sulfur content in wheat dried in internal-combustion dryers in relation to the sulfur content in fuel [Contamination]. (Pol) Fornal, J; Fornal, L; Babuchowski, K; Bulatek, M *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 25-35. 1975

022822 20.5 R59 SER. C
The effect of some storage parameters on biochemical changes in [malting] barley grain. (Pol) Kiersnowski, J; Siolek, A *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 93-99. Eng. Sum. 1975

022823 65.8 SA2
Improvement of filtration of juice of first saturation [Sugar manufacture]. (Rus) Okolot, A S; Kozlo, M S *Sakh Prom-st'* 4: 49-50. Apr 1975

022824 65.8 SA2
Removal of sugar for storage and its processing at the Mironovka sugar factory in the 1972/73 production season. (Rus) Kvalkovskii, T P; Shoikhet, A L; Nakhodkina, V Z; Gorokh, V N; Binevskaia, L I; Boiko, E S; Limanskaia, A IA; Guseva, S S *Sakh Prom-st'* 4: 23-28. Apr 1975

022825 65.8 SA2
Some results of reception of sugarbeets according to sugar content at the Karabaltinsk sugar factor. (Rus) Barko, M N; Khamaza, F I *Sakh Prom-st'* 4: 67-70. Apr 1975

022826 65.8 SA2
Thermodynamic properties of maize dextrin. (Rus) Tarasov, S G *Sakh Prom-st'* 4: 73-77. Apr 1975

022827 65.8 SA2
Types of railroad centers for receiving sugarbeets in transit. (Rus) Somorov, I B *Sakh Prom-st'* 4: 61-64. Apr 1975

022828 65.8 SE4
A pH [hydrogen-ion concentration] meter tester [Sugarbeet research]. (Tur) Kara, H *Seker* 25 (96): 6-7. Eng. Sum. July 1975

022829 65.8 SE4
Technological value of sugarbeet from Kayseri. (Tur) Guray, P *Seker* 25 (96): 31-42. Eng. Sum. July 1975

022830 61.9 SE5
Determination of hull percentage of rapeseed by germinating it on a solid substrate. (Rus) Voskresenskaia, G S; Shelkoudenko, V G *Sel Semenovod (Mosk)* 4: 62-63. Jul/Aug 1975

022831 SB215.S8
De-fuzzing of true sugarcane seeds [Processing]. Silva, W M da *Sugarcane Breed Newsl* 35: 21-23. Mar 1975

022832 69.8 T112
Certain problems of dust removal from tobacco [in fermentation factories]. (Rus) Khariton, M Sh; Kosatyi, N N *Tabak* 2: 46-48. 1975

022833 69.8 T112
Rational utilization of tobacco raw material [in a processing factory]. (Rus) Serebriakov, V I *Tabak* 3: 19-20. 1975

022834 69.8 T112
Raw material losses on [operating] lines for the preparation of tobacco for fermentation. (Rus) Soboleva, T N; Avetisova, N I; Mironskaia, S K *Tabak* 3: 33-36. 1975

022835 69.8 T112
Spectrophotometric methods of determining the quality of tobacco raw material. (Rus) Kamenshchikova, S V; Smirnov, A M; Mokhnachev, I G *Tabak* 3: 36-39. 1975

022836 69.8 T112
The production and fermentation of tobacco in large-sized packs. (Rus) Kogan, I S; Vasil'eva, L G *Tabak* 3: 27-33. 1975

022837 69.8 T112
Various schemes of heating tobacco dryers with thermal generators. (Rus) Timoshenko, E A; Ivchenko, V V *Tabak* 3: 46-50. 1975

022838 1 AG84TE
A closed-loop cotton-moisturization system for cotton ginning. Columbus, E P; Baker, R V; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1513, 12 P. Sept 1975

022839 TS1300.T49
Bleaching cellulose. I. A free radical mechanism. Taher, A M M; Cates, D M *Text Chem Color* 7 (12): 30-34. Ref. Dec 1975

022840 TS1300.T49
Determining polyester in cotton/polyester blends with monoethanolamine solvent. King, W D; Stanonis, D J; Reid, J D *Text Chem Color* 7 (12): 28-29. Dec 1975

022841 22.5 T574
A new electrophoresis method and its application for revealing the heterogeneity of the chromatographically homogeneous fractions of soybean proteins. Thanh, V H; Okuro, K; Shibasaki, K *Tohoku J Agric Res* 26 (1): 41-48. Ref. July 1975

022842 290.9 AM32T
Air flow resistance and density of alfalfa leaves [Preservation]. Rabe, D L; Currence, H D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 932-934, 938. Sept/Oct 1975

022843 290.9 AM32T
Airflow patterns in conical-shaped piles of grain. Pierce, R O; Thompson, T L *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 946-949. Sept/Oct 1975

022844 290.9 AM32T
Density of rewetted high moisture grains. Brusewitz, G H *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 935-938. Ref. Sept-/Oct 1975

022845 290.9 AM32T
Effect of [harvest moisture content and] heated air drying on soybean oil quality. Overhults, D G; White, G M; Hamilton, H E; Ross, I J; Fox, J D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 942-945. Sept/Oct 1975

290.9 AM32T
The effect of field shelling [equipment] on popcorn quality. Lien, R M; Haugh, C G *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 855-858. Sept/Oct 1975

64.8 Z12
Basic demands on sugarbeets as a raw material for the sugar industry. (Cze) Schmidt, L *Uroda* 23 (8): 305-306. Aug 1975

022846 389.9 K542
Factors increasing the vitamin E activity of plant lipids [Soybean oil hydrogenation]. (Rus) Safronova, N N; Zuev, E I; Svishchuk, A A *Vitaminy* 8: 155-157. 1975

022847 389.8 V85
Extrusion of soy protein and texture measurement. (Dut) Ven, B L van der *Voeding* 36 (3): 149-156. Mar 15, 1975

022848 384 Z39
Microbes from soybeans. Inhibition of growth by lipoxygenase isoenzyme. (Ger) Senser, F; Grosch, W *Z Lebensm Unters Forsch* 159 (2): 103-106. 1975

022849 384 Z39
On the complex formation of proteins with copper ions under acidic conditions [Soy protein]. (Ger) Steinhart, H; Beyer, M G; Kirchgessner, M *Z Lebensm Unters Forsch* 159 (2): 73-77. Ref. Eng. Sum. 1975

022850 384 Z39
Radio gas chromatographic analysis of volatile aldehydes originating from soybean and oat lipoxygenase linoleic acid oxidation. (Ger) Heimann, W; Franzen, K H; Rapp, A; Ullemeyer, H *Z Lebensm Unters Forsch* 159 (1): 1-5. Ref. Eng. Sum. 1975

022851 65.8 D48
Fluidation of crystal sugar. VIII. Loosening rate. (Ger) Neuzil, L; Kostelkova, E *Z Zuckerind* 25 (11): 609-616. Ref. Eng. Sum. Nov 20, 1975

022852 65.8 D48
The BMA Zsigmond Gryllus method, a new method of deliming thin [sugar] juice. 1. Fundamental problems regarding thin juice deliming. (Ger) Gryllus, E; Delavier, H J *Z Zuckerind* 25 (9): 493-501. Eng. Sum. Sept 20, 1975

022853 65.8 D48
The BMA Zsigmond Gryllus method, a new method of deliming thin [sugar] juice. 2. Half-industrial and factory tests. (Ger) Gryllus, E; Delavier, H J *Z Zuckerind* 25 (10): 554-561. Eng. Sum. Oct 25, 1975

022854 65.8 D48
The determination of sucrose in cane final molasses. Vignes, E C *Z Zuckerind* 25 (10): 561-564. Oct 25, 1975

022855 65.8 D48
The influence of adding sulphurous acid and calcium bisulphite during the extraction of sugarbeet cossettes on the amount of pulp. (Ger) Zaorska, H *Z Zuckerind* 25 (11): 616-618. Ref. Eng. Sum. Nov 20, 1975

022856 65.8 D48
The influence of some beet properties on slicing. (Ger) Vukov, K *Z Zuckerind* 25 (10): 549-552. Eng. Sum. Oct 25, 1975

022857 65.8 D48
The practice of the direct isotopic dilution method of determining the sucrose content in sugarbeet digestion liquids. (Ger) Malec, K; Szuchnik, A; Rydel, S; Waleriańczyk, E *Z Zuckerind* 25 (9): 502-505. Eng. Sum. Sept 20, 1975

022858 65.8 Z82
Analysis of the rheological measuring methods for the regulation of the sugar crystallization process. (Ger) Schliephake, D; Austmeyer, K *Zucker* 28 (10): 546-554. Ref. Eng. Sum. Oct 1975

022859 65.8 Z82
Collaborative study on the determination of trace elements in dried sugarbeet pulp and molasses. 1. Mercury. (Ger) Koster, P B; Raats, P; Hibbert, D; Phillipson, R T; Schiweck, H; Steinle, G *Zucker* 28 (10): 555-562. Ref. Eng. Sum. Oct 1975

022860 65.8 Z82
Investigation of the question of juice coloration in sugar house operations. (Ger) Wieninger, L; Kubadinow, N *Zucker* 28 (11): 601-605. Eng. Sum. Nov 1975

022861 65.8 Z82
The water content of sugar. (Ger) Schneider, F; Emmerich, A; Ticmanis, U *Zucker* 28 (11): 606-615. Ref. Eng. Sum. Nov 1975

HORTICULTURAL PRODUCTS

022862 281.9 C81A
Retailing florist crops through mass merchandising outlets: Rochester, New York and Hartford, Connecticut. Goodrich, D; Avermaete, U; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-8, 25 P. June 1975

022863 80 AC82
Handling and storage of horticultural produce in Kenya. Holsten, G H *Acta Hortic* 49: 51-54. July 1975

022864 80 AC82
Harvesting and storing in relation to bitter pit [in apples]. Bunemann, G *Acta Hortic* 45: 29-31. Nov 1974

022865 80 AC82
Towards the quantification of post-harvest loss in horticultural produce [Storage]. Coursey, D G; Proctor, F J *Acta Hortic* 49: 55-66. Ref. July 1975

022866 S671.A2
Problems of freeing pea seeds [from pods]. (Slo) Masar, M; Paulen, J *Acta Technol Agric* 13: 95-109. Ref. Eng. Sum. 1975

022867 58.8 D482
Exchange of experience and knowledge on problems of quality control in the storage and supply of potatoes. (Ger) Potke, E *Agrartechnik* 25 (7): 331-332. 1975

022868 58.8 D482
Shrinkage during potato storage and its causes. (Ger) Bathke, K; Kockritz, T; Potke, E *Agrartechnik* 25 (7): 328-331. 1975

022869 107.6 SA13
Studies on postharvest treatments for ripening of citrus fruits. I. Lowering of the acidity in Satsuma mandarin orange by heat treatment. (Jpn) Tono, T; Fujita, S; Komiya, H *Agric Bull Saga Univ* 39: 35-43. Eng. Sum. Aug 1975

022870 A281.9 AG8A
Decentralized tomato processing: plant design, costs, and economic feasibility. Jesse, E V; Schultz, W G; Bomben, J L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 313, 56 P. Ref. Dec 1975

022871 1 AG84AH
Date development, handling, and packing in the United States. Rygg, G L; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 482, 56 P. Ref. Nov 1975

22.5 N682
Techniques and problems in the storage of Satsuma orange. 4. Effect of temperature on its physiological deterioration and susceptibility to diseases. (Jpn) Ogaki, C; Ushiyama, K *Agric Hortic* 50 (6): 748-754. June 1975

022872 TP368.A4
On the way to the wine profile. (Ger) Seidel, H *Alimenta* 14 (5): 159. Sept/Oct 1975

022873 TP368.A4
Quantitative determination of some biogenic amines in pineapple products. (Ger) Bancher, E *Alimenta* 14 (6): 195-196. Nov/-Dec 1975

022874 390.9 AM33
Dimethyldicarbonate as a wine sterilant. Ough, C S *Am J Enol Vitic* 26 (3): 130-133. 1975

022875 390.9 AM33
Effect of [grape] leaf content and mechanical harvest on wine "quality". Noble, A C; Ough, C S; Kasimatis, A N *Am J Enol Vitic* 26 (3): 158-163. 1975

022876 390.9 AM33
On the nature of reactions responsible for color behavior in red wine: a hypothesis. Berg, H W; Akiyoshi, M A *Am J Enol Vitic* 26 (3): 134-143. 1975

022877 390.9 AM33
White [grape] juice separation system. Zepponi, G; Cottrell, T *Am J Enol Vitic* 26 (3): 154-157. 1975

022878 75.8 P842
The protein, non-protein and total nitrogen in Solanum tuberosum, ssp. andigena potatoes. Li, P H; Sayre, K D *Am Potato J* 52 (11): 341-350. Ref. Nov 1975

022879 442.8 AN72
Storage characteristics of some vegetables and soft fruits. Robinson, J E; Browne, K M; Burton, W G *Ann Appl Biol* 81 (3): 399-408. Ref. Dec 1975

022880 14 F8499AN
Juice extraction of frozen apple pulp. Vijayalakshmi, M A; Dupuy, P *Ann Tech Agric* 24 (1): 1-9. 1975

022881 14 F8499AN
Study of orange essential oils. I. Analysis by infrared spectroscopy. (Fre) Carmona, P; Bellanato, J; Hidalgo, A *Ann Tech Agric* 24 (1): 83-98. Ref. Eng. Sum. 1975

022882 TP368.C4
Physiocochemical and microbiological evaluation of commercial tomato pastes. (Por) Silva, S D da; Leitao, M F F; Shirose, I; Delazari, I; Campos, R B de *Bol Inst Tecnol Aliment* 41: 69-88. Ref. Eng. Sum. Mar 1975

022883 107.6 K114B
Studies on the juice qualities of subtropical fruits. I. Seasonal changes of organic acids, sugars and volatile components in Ponkan and Tankan [Citrus]. (Jpn) Ito, S; Hashinaga, F; Sawa, D *Bull Fac Agric Kagoshima Univ* 25: 73-83. Ref. Eng. Sum. Mar 1975

022884 93.33 SH62B
Studies on the simplification of quality evaluation of Satsuma mandarin. II. Relation between refractometer value and total sugar contents in Satsuma orange juice. (Jpn) Oshiro, A; Ishida, T *Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap* 12: 27-34. Ref. Eng. Sum. Mar 1975

022885 450 C16
Color, firmness, starch content, and persistence of 2-chloroethylphosphonic acid in McIntosh apples. Miller, S R *Can J Plant Sci* 55 (4): 1001-1006. Ref. Oct 1975

022886 450 C432
A study in the prefermentation process to increase the yield of steroidal diosgenin and the multipurpose usage of starch from the tubers of Dioscorea zingiberensis [Yams]. (Chi) *Chih-wu Hsueh-pao* Chih-wu Hsueh-pao Sept 1975

022887 100 W27S
An analysis of salaries and personnel characteristics in the fruit industry of northcentral Washington. Duft, K D; Dewbre, J; Washington (State) Agricultural Experiment Station *Circ Wash Agric Exp Stn* 588, 13 P. Dec 1975

022888 80 C49
[Chilling] injury in fruit [Citrus storage]. Grierson, W *Citrus Ind* 56 (12): 15-17, 19, 21-22. Ref. Dec 1975

022889 80 C83
Cider and the apple: a story of good cheer [England]. Jarvis, C *Ctry Life* 158 (4080): 652, 654. Sept 11, 1975

022890 TP415.D4
Isolation and some properties of taro root starch. (Jpn) Higashihara, M; Umeki, K; Yamamoto, T *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (3): 61-65. Ref. Eng. Sum. Sept 1975

022891 TP415.D4
Phosphorus in starch [Potatoes, cereals]. (Jpn) Tabata, S; Hizukuri, S *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (2): 27-39. Ref. June 1975

022892 389.8 D482
Determination of sugar, glycerol and ethanol in wine by means of high-pressure liquid chromatography. (Ger) Rapp, A; Bachmann, O; Ziegler, A *Dtsch Lebensm Rundsch* 71 (10): 345-348. Ref. Eng. Sum. Oct 1975

022893 389.8 D482
Ratio between citric acid and isocitric acid in orange juices. (Ger) Bergner-Lang, B *Dtsch Lebensm Rundsch* 71 (10): 348-350. Eng. Sum. Oct 1975

022894 308.9 R26
Investigations on the nitrogenous substances of citrus fruits. V. The free amino acids of lemon juice. (Ita) Russo, C; Zamorani, A; Lanza, C M *Essenze Deriv Agrum* 44 (4): 365-372. Oct/Dec 1974

022895 1 EX892EX
An apple a day [Cider]. Lutzke, J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 16-17. Sept/Oct 1975

022896 389.8 F736
Automatic methods of vegetable processing. Pike, R *Food Manuf* 50 (10): 47, 49. Oct 1975

022897 S251.F6
Potato storage on the farm. (Swe) Ivarsson, I; Jansson, S *Forsk Prakt* 9, 7 P. 1975

022898 384 Z3
Matrix-bounded enzyme. II. Potato phosphorylase entrapped in polyacrylamide gel after gel electrophoresis. Garadi, R; Shankar, V; Shivaram, K N; Stegemann, H *Fresenius Z Anal Chem* 277 (3): 197-201. Ref. 1975

022899 281.8 G25
Some problems related to the processing of potato for human consumption. (Hun) Balogh, K; Kovacs, K *Gazdalkodas* 19 (9): 31-40. Ref. 1975

022900 17 SCH9
Sauerkraut season. (Ger) Schmid, W *Grune* 103 (51): 19-22. Dec 19, 1975

022901 26 H27
Extending the shelf-life of cultivated mushrooms by gamma radiation. (Heb) Barkai-Golan, R; Padova, R *Hassadeh* 56 (1): 113-117. Oct 1975

022902 26 H27
'Onit'—to lengthen the life of cut flowers in the home. (Heb) Halevy, A; Borochov, A; Tirosh, Z *Hassadeh* 56 (1): 79-81. Oct 1975

022903 TP493.5.F6
Freeze concentration of vegetable juices. Pelt, W H J M van *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 549-564. 1975

022904 TP493.5.F6
The freezing of vegetables. Persson, P O *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 109-120. 1975

022905 TP493.5.F6
Thermal phenomena and structural behaviour of fruit juices in the pre-freezing stage of the freeze drying process. Maltini, E *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 121-139. Ref. 1975

022906 TP371.8.P357 1974
Commercialization of irradiated potatoes, mushrooms, onions and spices in the Netherlands. Zeeuw, D de *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 133-139. 1974 (Pub. 1975)

022907 TP371.8.P357 1974
Considerations for an analysis of the value of potato irradiation in Spain. Cruz, F de la; Ortin Sune, N *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 3-11. Maps. 1974 (Pub. 1975)

022908 TP371.8.P357 1974
Irradiation treatment for sprout inhibition in potatoes: prospects for application in Belgium. Schietecatte, W; Nys, L *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 69-87. Ref. 1974 (Pub. 1975)

022909 TP371.8.P357 1974
Notes on the food irradiation programme in Italy with particular reference to potatoes. Baraldi, D *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 167-174. Ref. 1974 (Pub. 1975)

022910 TP371.8.P357 1974
Potato and onion irradiation in the Netherlands. Sparenberg, H *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 185-195. 1974 (Pub. 1975)

022911 TP371.8.P357 1974
Status of potato irradiation in France. Sandret, F *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 183-184. 1974 (Pub. 1975)

TP371.8.P357 1974
United States potentials and problems for insect disinfestation of wheat and sprout inhibition of potatoes by irradiation. Deitch, J *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 13-29. Ref. 1974 (Pub. 1975)

022912 HD9000.1.I52
The situation of research on olive growing and oil production. (Ita) *Ind Aliment* 14 (5): 97-100. May 1975

022913 80 IN2
Studies on cold storage of mango fruits (Mangifera indica L. Cv. Langra). Mann, S S; Singh, R N *Indian J Hortic* 32 (1/2): 7-14. Ref. Mar/June 1975

022914 275.29 C121
District costs and efficiency of pear packing in relation to facilities organization Lake County, California. Sammet, L L; Courtney, R H; California University, Berkeley Agricultural Extension Service *Inf Ser Agric Econ Univ Calif Agric Ext Serv Agric Exp Stn Giannini Found Agric Econ* 75-1, 65 P. Maps. Aug 1975

022915 381 J8223
Aroma of Muscat grape varieties [due to terpenes]. Ribereau-Gayon, P; Boidron, J N; Terrier, A *J Agric Food Chem* 23 (6): 1042-1047. Ref. Nov/Dec 1975

022916 381 J8223
Bitterness of Dioscorea cayenensis [Yams]. Martin, F W; Ruberte, R *J Agric Food Chem* 23 (6): 1218-1219. Nov/Dec 1975

022917 381 J8223
Flavor and stability of dehydrated potato products. Sapers, G M *J Agric Food Chem* 23 (6): 1027-1032. Ref. Nov/Dec 1975

022918 381 J8223
Okra seeds: a new protein source. Karakoltsidis, P A; Constantinides, S M *J Agric Food Chem* 23 (6): 1204-1207. Ref. Nov/Dec 1975

022919 381 J8223
Quantitative determination of limonin in grapefruit juice by high-pressure liquid chromatography. Fisher, J F *J Agric Food Chem* 23 (6): 1199-1201. Ref. Nov/Dec 1975

022920 381 J8223
Rapid determination of tryptophan in beans (Phaseolus vulgaris) [maize and wheat] by the acid ninhydrin method. Sodek, L; Vecchia, P T D; Lima, M L G P *J Agric Food Chem* 23 (6): 1147-1150. Ref. Nov/Dec 1975

022921 381 J8223
Volatile constituents of tamarind (Tamarindus indica L.). Lee, P L; Swords, G; Hunter, G L K *J Agric Food Chem* 23 (6): 1195-1199. Ref. Nov/Dec 1975

022922 381 AS7
Determination of fluoride in vegetation: a comparative study of four sample preparation methods. Heede, M A van den; Heyndrickx, A M; Peteghem, C H van; Zele, W A van *J Assoc Off Anal Chem* 58 (6): 1135-1137. Nov 1975

022923 381 AS7
Gas chromatographic determination of diols and glycerol in flavor bases and flavored wines. Martin, G E; Dyer, R H; Figert, D M *J Assoc Off Anal Chem* 58 (6): 1147-1149. Ref. Nov 1975

022924 389.8 F7322
Activity and stability of alpha- and beta-amylase at temperatures from 4 to -23 Celsius [Sweetpotatoes]. Hiranpradit, S; Lopez, A *J Food Sci* 41 (1): 138-144. Ref. Jan/Feb 1976

022925 389.8 F7322
Adapting an experimental bean cooker for automatic recording. Burr, H K *J Food Sci* 41 (1): 218-219. Jan/Feb 1976

022926 389.8 F7322
Carotene oxidizing factors in redpepper fruits (Capsicum annuum L.). Ascorbic acid. Kanner, J; Mendel, H; Budowski, P *J Food Sci* 41 (1): 183-185. Ref. Jan/Feb 1976

022927 389.8 F7322
Cashew nut unsaponifiable matter. Maia, G A; Brown, W H; Whiting, F M; Stull, J W *J Food Sci* 41 (1): 190-194. Ref. Jan/Feb 1976

022928 389.8 F7322
Consumer preferences for vegetables grown under "commercial" and "organic" conditions. Schutz, H G; Lorenz, O A *J Food Sci* 41 (1): 70-73. Jan/Feb 1976

022929 389.8 F7322
Cowpea powders dried with methionine: preparation, storage stability, organoleptic properties, nutritional quality. Onayemi, O; Potter, N N *J Food Sci* 41 (1): 48-53. Ref. Jan/Feb 1976

022930 389.8 F7322
Devices for improving color development in glycoalkaloid determination [Potatoes]. Wu, M T; Salunkhe, D K *J Food Sci* 41 (1): 220-221. Jan/Feb 1976

022931 389.8 F7322
Effect of sodium chloride on rehydration of freeze-dried carrots. Curry, J C; Burns, E E; Heidelbaugh, N D *J Food Sci* 41 (1): 176-179. Ref. Jan/Feb 1976

022932 389.8 F7322
Enzyme use to reduce viscosity and increase recovery of soluble solids from citrus pulp-washing operations [Oranges]. Braddock, R J; Kesterson, J W *J Food Sci* 41 (1): 82-85. Jan/Feb 1976

022933 389.8 F7322
Nutritional qualities of some African edible leafy vegetables. Effect of boiling on the essential amino acid composition of their extracted protein. Fafunso, M; Bassir, O *J Food Sci* 41 (1): 214-215. Ref. Jan/Feb 1976

022934 389.8 F7322
Particulate properties and rheology of pregelled yam (Dioscorea rotundata) products. Ayernor, G S *J Food Sci* 41 (1): 180-182. Ref. Jan/Feb 1976

022935 389.8 F7322
Peeling of Chinese waterchestnuts [Eleocharis dulcis]. Leeper, G F; Williams, A K *J Food Sci* 41 (1): 86-88. Jan/Feb 1976

022936 389.8 F7322
Peroxidase reactions and orange juice quality. Bruemmer, J H; Roe, B; Bowen, E R; Buslig, B *J Food Sci* 41 (1): 186-189. Ref. Jan/Feb 1976

022937 389.8 F7322
Production of a betacyanine concentrate by fermentation of red beet juice with Candida utilis [Food colorants]. Adams, J P; Von Elbe, J H; Amundson, C H *J Food Sci* 41 (1): 78-81. Ref. Jan/Feb 1976

022938 389.8 F7322
Textural quality prediction of reheated frozen French friedpotatoes by objective testing of raw stock. Ross, L R; Porter, W L *J Food Sci* 41 (1): 206-208. Jan/Feb 1976

022939 389.8 F7322
Use of expanded color scales to predict chemical and visual changes in solutions [Cranberry juice]. Johnson, L E; Clydesdale, F M; Francis, F J *J Food Sci* 41 (1): 74-77. Ref. Jan/Feb 1976

022940 TP368.J6
Effect of orange juice parameters on gelation in hot-pack concentrate. Mizrahi, S; Firstenberg, R *J Food Technol* 10 (5): 557-563. Oct 1975

022941 TP368.J6
Preservation of comminuted orange products. Lloyd, A C *J Food Technol* 10 (5): 565-574. Ref. Oct 1975

TP368.J6
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. Romo, C R; Lakin, A L; Rolfe, E J *J Food Technol* 10 (5): 541-546. Ref. Oct 1975

022942 TP368.J6
The effect of selected plastic films and chemical dips on the shelflife of Marmande tomatoes. Saguy, I; Mannheim, C H *J Food Technol* 10 (5): 547-556. Ref. Oct 1975

022943 80 J825
Discrepancies in the chemical composition of apple fruits as analysed by different laboratories. Holland, D A; Perring, M A; Rowe, R; Fricker, D J *J Hortic Sci* 50 (4): 301-310. Oct 1975

022944 80 J825
Effect of geraniol on levels of volatile terpenoid compounds produced by apples during cool storage [Low temperature breakdown]. Wills, R B H; Scott, K J *J Hortic Sci* 50 (4): 475-480. Ref. Oct 1975

022945 80 J825
Effects of ethephon and waxing on the degreening of Cyprusgrown lemons and grapefruit. Vakis, N J *J Hortic Sci* 50 (4): 311-319. Ref. Oct 1975

80 J825
Respiration rate and acidity in parthenocarpic and seeded Conference pears. Kotob, M A; Schwabe, W W *J Hortic Sci* 50 (4): 435-445. Ref. Oct 1975

80 J825
The predominant role of calcium [in the tree metabolism] as an indicator in storage disorders in Cleopatra apples [Physiological diseases]. Martin, D; Lewis, T L; Cerny, L J; Ratkowsky, D A *J Hortic Sci* 50 (4): 447-455. Ref. Oct 1975

022946 382 SO12
A rapid spectrophotometric method of determination of thiopropanal S-oxide (lachrymator) in onion (Allium cepa L.) and its significance in flavour studies. Freeman, G G; Whenham, R J *J Sci Food Agric* 26 (10): 1529-1543. Ref. Oct 1975

022947 382 SO12
Effect of concentration process on cloud stability of reconstituted lemon juice. Epstein, D; Mizrahi, S *J Sci Food Agric* 26 (10): 1603-1608. Oct 1975

022948 382 SO12
Effect of fermentation, processing and storage on lipid composition of sauerkraut [Cabbage]. Peng, A C *J Sci Food Agric* 26 (9): 1325-1332. Ref. Sept 1975

022949 382 SO12
Effects of gamma irradiation and storage temperature on carotenoids and ascorbic acid content of mangoes on ripening. Thomas, P; Janave, M T *J Sci Food Agric* 26 (10): 1503-1512. Ref. Oct 1975

022950 382 SO12
Enzymatic improvement of date quality. Use of invertase to improve texture and appearance of "sugar wall" dates. Smolensky, D C; Raymond, W R; Hasegawa, S; Maier, V P *J Sci Food Agric* 26 (10): 1523-1528. Ref. Oct 1975

022951 382 SO12
Relationship between chemical composition and breakdown in cooked potato tissue. Warren, D S; Gray, D; Woodman, J S *J Sci Food Agric* 26 (11): 1689-1697. Ref. Nov 1975

022952 382 SO12
The mineral composition of apples. Calcium concentration and bitter pit in relation to mean mass per apple. Perring, M A; Jackson, C H *J Sci Food Agric* 26 (10): 1493-1502. Ref. Oct 1975

022953 382 SO12
The use of synthetic (plus/minus)-S-1-propyl-L-cysteine sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of onion (Allium cepa L.). Freeman, G G; Whenham, R J *J Sci Food Agric* 26 (9): 1333-1346. Ref. Sept 1975

022954 382 SO12
Volatile flavour components of watercress. MacLeod, A J; Islam, R *J Sci Food Agric* 26 (10): 1545-1550. Ref. Oct 1975

022955 75.8 K147
Carrot storage in rooms with artificially cooled air. (Rus) Seleznev, V; Evreinov, V; Fomenko, V *Kartofel Ovoschi* 1: 27-29. Jan 1975

022956 85 J76
Advice for the harvesting and storage of the most important apple and pear varieties for 1975/76. (Ger) Blank, H G; Gebert, F; Tiemann, K H *Mitt Obstbauversuchsring Jork* 30 (11): 267-281. Nov 1975

022957 85 J76
Studies on the control of scald [physiological storage disease] of Holsteiner Cox apple variety. (Ger) Blank, H G *Mitt Obstbauversuchsring Jork* 30 (9): 229-236. Ref. Sept 1975

022958 472 N21
Fluorescent product accumulation in ripening fruit [Bananas, pears]. Maguire, Y P; Haard, N F *Nature* 258 (5536): 599-600. Ref. Dec 18, 1975

022959 450 P5622
Esterified sterol glucoside and methylellagic acids from Aleurites fordii [tung tree] fruits. Okuda, T; Yoshida, T; Toh, N *Phytochemistry* 14 (11): 2513-2514. Nov 1975

022960 450 P692
Promotion of softening and ethylene synthesis in Bartlett pears by 3-methylene oxindole. Frenkel, C; Haddon, V R; Smallheer, J M *Plant Physiol* 56 (5): 647-649. Ref. Nov 1975

022961 14 P94
Advice for production of wine from grapes affected by gray mold [Botrytis cinerea]. (Fre) Cordonnier, R *Prog Agric Vitic* 92 (19): 561-564. Oct 1, 1975

022962 SB23.C6A3
Annotated bibliography on the storage of cauliflower and broccoli, 1973-1974. *Query File Commonw Bur Hortic Plant Crops* 34/75, 1 P. Oct 1975

022963 SB23.C6A3
Annotated bibliography on the storage of root vegetables (beetroot, parsnips, radishes, swedes, turnips), 1968-1974. *Query File Commonw Bur Hortic Plant Crops* 33/75, 4 P. Oct 1975

022964 SB23.C6A3
Annotated bibliography on the storage of celery, 1970-1974. *Query File Commonw Bur Hortic Plant Crops* 32/75, 2 P. Oct 1975

022965 SB23.C6A3
Annotated bibliography on storage of onions, 1970-1974. *Query File Commonw Bur Hortic Plant Crops* 31/75, 6 P. Oct 1975

022966 SB23.C6A3
Annotated bibliography on storage of brussels sprouts, 19701974. *Query File Commonw Bur Hortic Plant Crops* 28/75, 1 P. Oct 1975

022967 SB23.C6A3
Annotated bibliography on storage of lettuce, 1972-1974. *Query File Commonw Bur Hortic Plant Crops* 25/75, 2 P. Oct 1975

022968 SB23.C6A3
Annotated bibliography on storage of cabbage, 1968-1974. *Query File Commonw Bur Hortic Plant Crops* 26/75, 3 P. Oct 1975

022969 SB23.C6A3
Annotated bibliography on storage of carrots, 1970-1974. *Query File Commonw Bur Hortic Plant Crops* 27/75, 5 P. Oct 1975

022970 S15.R46
Natural and processed fruit: [free] choice or [producers'] association? [Angola]. (Por) Ferrao, J E M *Reordenamento* 38: 8-13. Mar/Apr 1975

022971 SB29.K8A3
Studies on canning of persimmon. (Kor) Yu, Y S; Kim, Y H; Lee, C S; Hong, S B *Res Rep Off Rural Dev (Suwon)* 17: 7-11. Eng. Sum. Aug 1975

022972 SB29.K8A3
Studies on the processing adaptability of pear canning [Varieties]. (Kor) Lee, C S; Kim, Y H; Kim, J H; Kong, S J *Res Rep Off Rural Dev (Suwon)* 17: 1-5. Ref. Eng. Sum. Aug 1975

022973 SB29.K8A3
Studies on the processing adaptability for nectar of introduced peach varieties. (Kor) Lee, C S; Oh, S D; Yu, Y S; Kong, S J *Res Rep Off Rural Dev (Suwon)* 17: 19-24. Ref. Eng. Sum. Aug 1975

022974 SB29.K8A3
Studies on the Takju [wine] brewing with potatoes. (Kor) Kim, S Y *Res Rep Off Rural Dev (Suwon)* 17: 63-73. Ref. Eng. Sum. Aug 1975

022975 SB29.K8A3
Studies on the canning of non-astringent persimmon (Buyu: Diospyros kaki. L.) produced in Korea. (Kor) Rhee, S K; Yoon, I H; Shin, D H *Res Rep Off Rural Dev (Suwon)* 17: AE47-AE56. Ref. Eng. Sum. Aug 1975

022976 9.2 C332
Rapid process for peeling mangoes. (Por) Borges, J M; Pinto, G L; Pereira, V de P *Rev Ceres* 22 (121): 223-227. Eng. Sum. May/-June 1975

022977 SB387.R4
Advanced harvest and preservation of cut chrysanthemums. (Fre) Reist, A; Rey, C *Rev Suisse Vitic Arboric Hortic* 7 (4): 129-133. July/Aug 1975

022978 307.8 OL3
Distribution of fatty acids in triglycerides from Corylus avellana L. oil seeds. (Ita) Bazan, E; Panno, M; Averna, V *Riv Ital Sost Grasse* 52 (7): 230-232. Eng. Sum. July 1975

022979 307.8 OL3
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. (Ita) Montedoro, G; Bertuccioli, M; Petruccioli, G *Riv Ital Sost Grasse* 52 (8): 255-265. Ref. Eng. Sum. Aug 1975

022980 307.8 OL3
Erythrodiol content of "dark green" olive oil. (Ita) Cucurachi, A; Camera, L; Angerosa, F; Solinas, M *Riv Ital Sost Grasse* 52 (8): 266-270. Eng. Sum. Aug 1975

022981 80 SCH9
Walnut harvest and preliminary treatment for storage. (Ger) Bryner, W *Schweiz Z Obst Weinbau* 111 (21): 548-549. Oct 4, 1975

022982 68.19 M28
Study of the raw material for production tonic beverages. (Rus) Bokuchava, M A; Sardzhveladze, G P; Chelidze, T A; Fishman, G M *Subtrop Kul't* 1: 115-117. 1975

022983 64.8 Z12
Factors affecting taste in potatoes [Composition, storage]. (Cze) Mica, B *Uroda* 23 (7): 262-263. July 1975

022984 95.8 V68
Development of maturation in 1975 [Wine]. (Fre) Badour, C *Vigneron Champenois* 96 (10): 364-372. Oct 1975

022985 95.8 V68
Musts of the 1975 grape harvests. (Fre) Badour, C; Perin, J *Vigneron Champenois* 96 (11): 416-424. Nov 1975

022986 95.8 V77
Biological stabilization of wines with 5-nitrofurylacrylic acid. (Rus) Valuiko, G G; Bur'ian, N I; Tiurina, L V *Vinodel Vinograd SSSR* 5: 16-18. 1975

022987 95.8 V77
Complex for fruit processing [Equipment]. (Rus) Tishchenko, N F; Padalka, V V *Vinodel Vinograd SSSR* 4: 38-40. 1975

022988 95.8 V77
Dependence of the quality of muscadine and red grape varieties and wines on the content of sodium salts in the soil. (Rus) Petrosian, G P; Saakian, R G; Khizantsian, S M; Sakunts, L E *Vinodel Vinograd SSSR* 4: 17-20. 1975

022989 95.8 V77
Determination of oxygen during aging of cognac spirits in tanks. (Rus) Fal'kovich, IU E; Pimenov, A T *Vinodel Vinograd SSSR* 4: 14-17. 1975

95.8 V77
Effects of irrigation regimes on grape ripening [Composition]. (Rus) Mirzaev, A; Baliasnikova, T I *Vinodel Vinograd SSSR* 4: 26-28. 1975

022990 95.8 V77
Electrophoretic determination of proteins in grapes and wine. (Rus) Nanitashvili, T S; Samadashvili, TS V; Shilakadze, TS A *Vinodel Vinograd SSSR* 4: 55-57. 1975

022991 95.8 V77
Grape proteins, their properties and wine stability. (Rus) Liubarevich, T A; Mindadze, R K; Pavlenko, N M; Datunashvili, E N *Vinodel Vinograd SSSR* 4: 58-59. 1975

022992 95.8 V77
Improvement of technology of tank aging of cognac spirits. (Rus) Litvak, V S; Osipova, V P; Sladkova, T V; Gavrilov, A P; Feodosidi, F P *Vinodel Vinograd SSSR* 5: 20-22. 1975

022993 95.8 V77
Losses of wine during storage and aging under different climatic conditions. (Rus) Burova, V K; Reva, V I *Vinodel Vinograd SSSR* 5: 45-48. 1975

022994 95.8 V77
Metabolism of wine yeasts according to storage conditions [Fermentation]. (Rus) Pashkovskaia, M T; Novik, V G; Nekrich, N A *Vinodel Vinograd SSSR* 4: 20-22. 1975

022995 95.8 V77
Modification of catechins during thermal processing of catechin-type wines. (Rus) Gvaladze, N V; Gelashvili, N N; Beridze, G I *Vinodel Vinograd SSSR* 5: 54-55. 1975

022996 95.8 V77
Problem of normalization of losses in wine manufacture. (Rus) Danielian, D O *Vinodel Vinograd SSSR* 4: 23-24. 1975

022997 95.8 V77
Problem of wine quality and stability. (Rus) Nechaev, L N *Vinodel Vinograd SSSR* 5: 15-16. 1975

022998 95.8 V77
Study of nature of interrelations of yeast of the genus Saccharomyces in champagne manufacture. (Rus) Kvasnikov, E I; Shchelokova, I F; Gal'chenko, N P; Sarishvili, N G; Kovaleva, N V *Vinodel Vinograd SSSR* 5: 18-20. 1975

022999 95.8 V77
Use of enzyme preparations in wine manufacture. (Rus) Datunashvili, E N *Vinodel Vinograd SSSR* 5: 49-53. 1975

023000 95.8 V77
Use of the frontal-adsorptive concentration method for the analysis of dissolved gases in must and wine. (Rus) Ledenkova, T P; Voloshina, A I; Krylov, B K; IAshin, IA I *Vinodel Vinograd SSSR* 5: 23-25. 1975

023001 95.8 V77
VDR-5 crusher [Fruit processing equipment]. (Rus) Bazhenov, K M; Budovskii, B A; Kriuchkov, I V *Vinodel Vinograd SSSR* 4: 37-38. 1975

023002 384 Z39
Determination of D-isocitric-acid in currant products. (Ger) Frank, W *Z Lebensm Unters Forsch* 158 (6): 349-350. Eng. Sum. 1975

023003 384 Z39
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, sugarmaize and onions. (Ger) Drawert, F; Gorg, A *Z Lebensm Unters Forsch* 159 (1): 23-30. Ref. Eng. Sum. 1975

023004 384 Z39
The phenolics of fruits. VI. The phenolics of currants, gooseberries and blueberries. Changes in phenolic acids and catechins during development of black currants. (Ger) Stohr, H; Herrmann, K *Z Lebensm Unters Forsch* 159 (1): 31-37. Ref. Eng. Sum. 1975

023005 384 Z39
The phenolics of fruits. V. The phenolics of strawberries and their changes during development and ripeness of the fruits. (Ger) Stohr, H; Herrmann, K *Z Lebensm Unters Forsch* 158 (6): 341-348. Ref. Eng. Sum. 1975

023006 384 Z39
The phenolics of fruits. VII. The phenolics of cherries and plums and the changes in catechins and hydroxycinnamic acid derivatives during the development of fruits. Stohr, H; Mosel, H D; Herrmann, K *Z Lebensm Unters Forsch* 159 (2): 85-91. Ref. 1975

023007 421 Z1
Disinfection of potato storage places. (Rus) Tronov, V N *Zashch Rast* 5: 33. May 1975

FEED PRODUCTS

023008 448.3 AC83
True knowledge comes from experiments: [an achuievement in long term storage of fermented feeds in China]. (Chi) *Acta Microbiol Sinica* 15 (3): 163-166. Sept 1975

023009 58.8 D482
Technical solutions for processing straw and other dry fodders into pelleted, partially finished feeds. (Ger) Michaelis, G; Schade, E; Sobzig, J *Agrartechnik* 25 (7): 336-340. 1975

023010 58.9 UN3222
Preparation and conservation of hay [Processing]. Pletinckx, A *AGRI MECH Econ Comm Eur U N* 62, 53 P. 1975

023011 385 AG88
The importance and routine evaluation of the digestibility of feeds. (Slo) Gaborcik, S; Schwartz, V *Agrochemia (Bratisl)* 15 (4): 123-126. Ref. Eng. Sum. 1975

023012 4 AM34P
Hay preservation and quality improvement by anhydrous ammonia treatment [Digestibility, cattle]. Knapp, W R; Holt, D A; Lechtenberg, V L *Agron J* 67 (6): 766-769. Ref. Nov/Dec 1975

16 T63
Analytical examinations of soils and hays from Viu Valley (Lanzo Valley, Torino Province) [Composition]. (Ita) Luzzati, A; Siragusa Campanello, N *Ann Accad Agric Torino* 116: 191-216. Ref. Eng. Sum. 1973/1974

023013 389.8 AN72
Laboratory control of animal feeds. (Fre) Faugere, J G; Debruyne, H; Coursier, H *Ann Falsif Expert Chim* 68 (731/732): 345-365. Ref. July/Aug 1975

023014 14 F8499AN
Preservation of wet yeast for animal feeding. (Fre) Namory, M *Ann Tech Agric* 24 (1): 35-45. Eng. Sum. 1975

023015 23 AU783
Amino acid content and digestible energy value of sprouted, rust-affected and sound wheat in pig diets. Taverner, M R; Rayner, C J; Biden, R S *Aust J Agric Res* 26 (6): 1109-1113. Ref. Nov 1975

023016 100 AR42
Use of predictive equations for estimating the net energy value of forages. Stallcup, O T; Johnson, Z; Brown, C J; Arkansas Agricultural Experiment Station *Bull Agric Exp Stn Div Agric Univ Arkansas* 801, 18 P. Ref. Sept 1975

023017 58.9 F843B
Preservation of stored moist maize-grain in a plastic enclosure, while waiting for drying. (Fre) Le Du, J; Wierzbicki, R *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 43-47. Oct 1975

023018 281.8 C16
A linear programming livestock-feed grains model. Harvey, D R; Huff, H B *Can J Agric Econ* P. 75-100. Aug 1974

023019 450 C16
Contribution of leaves and stems to yield and quality of Russian wild ryegrass [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. Kilcher, M R *Can J Plant Sci* 55 (4): 1029-1032. Ref. Oct 1975

023020 450 C16
Predicted forage value of whole plant cereals. Fisher, L J; Fowler, D B *Can J Plant Sci* 55 (4): 975-986. Ref. Oct 1975

023021 450 C16
Relationship between orange G dye-binding capacity and total N [nitrogen] content of six grass species [Protein content]. Smith, A D; Lutwick, L E *Can J Plant Sci* 55 (4): 969-973. Oct 1975

023022 SF221.D38
Baled hay productivity can be improved. Piesse, R L *Dairyman (Armadale)* 1 (3): 21, 23. May 1975

023023 58.8 T677
Don't fill your high silo with poisonous things! (Ger) Gross, F; Willeitner, H *DLZ (Die Landtech Z)* 26 (4): 266-268. Apr 1975

023024 58.8 T677
Drying green feed with "homemade" heat? (Ger) Strehler, A *DLZ (Die Landtech Z)* 26 (9): 572-574. Sept 1975

023025 58.8 T677
The quality of silo maize is considered in bull fattening. (Ger) Geissler, B; Strobl, G *DLZ (Die Landtech Z)* 26 (9): 630. Sept 1975

023026 298.8 SU2
Drying and quality of grain maize. (Ger) Gomoll, R *Dtsch Muller Ztg* 73 (17): 305-306. Sept 11, 1975

023027 298.8 SU2
Some things worth knowing about fat components [Feeds]. (Ger) Eder, N *Dtsch Muller Ztg* 73 (19): 337-338. Oct 9, 1975

389.8 F7398
Economics of producing nutrients from cellulose [Food or feed additives]. Dunlap, C E *Food Technol* 29 (12): 62, 64-67. Ref. Dec 1975

389.8 F7398
Open-ocean farming of kelp for conversion to animal and human foods [Algae]. Beleau, M H; Heidelbaugh, N D; Van Dyke, D *Food Technol* 29 (12): 27-30, 45. Dec 1975

023028 A281.9 F76FO
Soviets promote yeast for livestock protein [Feed supplements]. Goldich, J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 9-10. Jan 5, 1976

023029 298.8 G33
The use of magnesium phosphide tablets with hydrogen phosphide in gas treatment of wheat in silos. (Ger) Breyer, D; Hertel, W *Getreide Mehl Brot* 29 (9): 224-226. Sept 1975

023030 301.8 G36
Effect of concentration of potassium in the medium on the content of protein in fodder yeast [grown on wood hydrolyzates]. (Rus) Morozova, S F; Vyrodova, L P *Gidroliz Lesokhim Prom-st'* 6: 13-14. 1974

023031 301.8 G36
Enrichment of fodder yeast with vitamine D2. (Rus) Subbotin, T G; Zotagina, S A; Mosiagina, N M; Ovchinnikova, N P *Gidroliz Lesokhim Prom-st'* 6: 20-22. 1974

023032 301.8 G36
Improvement of substrate preparation from peat hydrolyzates [for growing feed yeasts]. (Rus) Shishkova, Z P; Gailitis, IU P; Shmit, U IA; Krastin'sh, V P; Mutsinietse, R P *Gidroliz Lesokhim Prom-st'* 2: 7-8. 1975

023033 301.8 G36
Production of OTI-2,3 preparation on the basis of industrial hydrolizates of cotton hulls [Protein feed additives]. (Rus) Starichkova, V E; Kaprel'iants, L V; Dudkin, M S *Gidroliz Lesokhim Prom-st'* 7: 10-11. 1974

023034 301.8 G36
State standard for feed yeasts. (Rus) Shulakova, K G; Shmidt, N V; Gluz, R IA; Kozlova, G T; Vyrodova, L P *Gidroliz Lesokhim Prom-st'* 1: 16-18. 1975

023035 301.8 G36
The algorithm of management of the pure-culture of hydrolytic [fodder] yeast production. (Rus) Tregub, V G; Kalendro, E L; Ivanova, L A; Stadnichenko, A I *Gidroliz Lesokhim Prom-st'* 8: 3-5. 1974

023036 389.78 IN2
Application of polarography to the determination of medicinal substances added to animal feeds. (Fre) Hocquellet, P *Ind Aliment Anim* 6: 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31. 1975

023037 99.8 IN2
Chemical composition and in vitro nutrient digestibility of some of the tree leaves. Gupta, P C; Singh, R; Sangwan, D C; Pradhan, K *Indian For* 101 (11): 674-680. Ref. Nov 1975

023038 QP141.A1J6
Prediction of nutritive value of freshly harvested and conserved fodder oat using laboratory analysis. Gupta, S C; Rekib, A; Sreenath, P R; Singh, A P; Verma, N C *Indian J Nutr Diet* 12 (8): 258-266. Aug 1975

023039 SF481.I55
A view to the calorific value of Indian feeds for poultry. Krishna, G *Indian Poult Rev* 6 (11): 453-454. Jan 16, 1975

023040 381 J8223
Biotin content of feedstuffs. Scheiner, J; De Ritter, E *J Agric Food Chem* 23 (6): 1157-1162. Ref. Nov/Dec 1975

023041 381 J8223
Gas chromatographic-mass spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some organic solvents. I. Skaare, J U; Dahle, H K *J Agric Food Chem* 23 (6): 1091-1093. Nov/Dec 1975

023042 381 J8223
Gas chromatographic determination of [the antioxidant] ethoxyquin in feed and food products. II. Dahle, H K; Skaare, J U *J Agric Food Chem* 23 (6): 1093-1095. Nov/Dec 1975

381 J8223
Rapid screening method for aflatoxin in a number of [food and feed] products [Contamination]. Holaday, C E; Lansden, J *J Agric Food Chem* 23 (6): 1134-1136. Nov/-Dec 1975

023043 381 AS7
An automated total protein nitrogen method [Feeds]. Wall, L L Sr; Gehrke, C W *J Assoc Off Anal Chem* 25 (6): 1221-1226. Nov 1975

381 AS7
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an ultraviolet irradiation-gas-liquid chromatographic technique. Erney, D R *J Assoc Off Anal Chem* 58 (6): 1202-1205. Nov 1975

023044 381 AS7
Detection of twelve mycotoxins in mixed animal feedstuffs, using a novel membrane cleanup procedure. Roberts, B A; Patterson, D S P *J Assoc Off Anal Chem* 58 (6): 1178-1181. Ref. Nov 1975

381 AS7
Determination of polybrominated biphenyl residues in dry animal feeds. Fehringer, N V *J Assoc Off Anal Chem* 58 (6): 1206-1210. Nov 1975

023045 382 SO12
A modified method for the estimation of bound formaldehyde in treated feed proteins. Van Dooren, P H *J Sci Food Agric* 26 (9): 1263-1271. Ref. Sept 1975

023046 382 SO12
A multiple inoculation technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on agar substrates [Feeds]. Barr, J G; Downey, G A *J Sci Food Agric* 26 (10): 1561-1566. Ref. Oct 1975

023047 382 SO12
A note on the laboratory evaluation of 2-bromo-2-nitropropane-1,3-diol as a potential silage additive. Woolford, M K; Wilkins, R J; Wall, C *J Sci Food Agric* 26 (11): 1699-1702. Nov 1975

023048 382 SO12
A spectrofluorimetric assay of the tryptophan content of feedstuffs. Buttery, P J; Soar, J B *J Sci Food Agric* 26 (9): 1273-1277. Ref. Sept 1975

49 N62
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle fed beet pulp. (Jpn) Ohara, M; Kimura, N; Miyashita, Y *Jap J Zootech Sci* 46 (8): 454-459. Eng. Sum. Aug 1975

023049 389.78 K85
Calcium, sodium, phosphate, a contribution to the correct performance mineral supply for livestock. (Ger) Gunther, K *Kraftfutter* 58 (12): 490, 492. Dec 1975

023050 389.78 K85
Determination of antibiotics in feeds. (Ger) Thalmann, A *Kraftfutter* 58 (11): 440-442. Nov 1975

023051 18 L2353
Use of gas chromatography to determine the lactic acid in silage. (Ger) Doms, E K *Landbauforsch Volkenrode* 24 (2): 143-148. Ref. Dec 1974

023052 8 M5762
The water lily, a potential forage plant for cattle. (Spa) *Mex Agric* 21 (252): 31-34. Apr/May 1975

023053 298.8 M89
Better utilization of protein by granulating feed. (Ger) Janicki, J; Konarkowski, A *Muhle Mischfuttertech* 112 (48): 637-640. Ref. Dec 4, 1975

023054 298.8 M89
Dust development in granary drains [Feed processing]. (Ger) Bastelaere, G R van *Muhle Mischfuttertech* 112 (46): 603-606. Nov 20, 1975

023055 S542.A1N45
Storage time and fermentation temperature of grass silage as factors affecting its voluntary consumption by sheep. Lancaster, R J *N Z J Exp Agric* 3 (3): 199-202. Ref. Sept 1975

023056 45.8 N21N
Straw: from trash to productive feed. *Natl Wool Grow* 65 (10): 24-25. Oct 1975

023057 60.9 J27
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. (Jpn) Ali, T *Nippon Sochi Gakkai Shi* 21 (2): 109-115. Ref. Eng. Sum. July 1975

023058 389.79 C81
Metabolizable energy of feedstuffs for trout. Smith, R R *Proc Cornell Nutr Conf Feed Manuf* P. 43-47. 1975

023059 389.79 C81
Potential for feed production in other parts of the world and implications for American feed manufacturers. Oyer, E B *Proc Cornell Nutr Conf Feed Manuf* P. 5-8. 1975

023060 389.79 C81
Problems with molds and mycotoxins in poultry feeds [Mycotoxicosis]. Combs, G F Jr *Proc Cornell Nutr Conf Feed Manuf* P. 109-115. Ref. 1975

023061 S293.C6N31
Production of protein from low protein in feedstuffs and urea. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 376-380. 1974

023062 SF95.N6
Alternative sources of protein [Animal feed]. Andrews, R J *Proc Nutr Conf Feed Manuf* 8th: 49-69. Ref. 1974

023063 SF95.N6
Problems of amino-acid availability [in feeds]. Carpenter, K J *Proc Nutr Conf Feed Manuf* 8th: 71-90. Ref. 1974

023064 389.9 AM31
Nutritive value of some browse and forb species [New Mexico]. Cordova, F J; Wallace, J D *Proc West Sect Am Soc Anim Sci* 26: 160-162. 1975

023065 389.9 AM31
Sodium hydroxide treatment of different roughages [Feeds]. Summers, C B; Sherrod, L B *Proc West Sect Am Soc Anim Sci* 26: 129-132. Ref. 1975

023066 107.6 H68
Study on assessment of the quality of roughage. 2. Comparative value of orchardgrass hay and silage influenced by harvesting time and cutting frequency. (Jpn) Nakui, T; Iwaski, K; Yahata, S; Abe, A *Res Bull Hokkaido Natl Agric Exp Stn* 110: 35-44. Ref. Eng. Sum. Jan 1975

023067 107.6 H68
The conditions for the occurrence of secondary fermentation on wilted silage. (Jpn) Yamashita, Y; Yamazaki, A *Res Bull Hokkaido Natl Agric Exp Stn* 100: 81-95. Ref. Eng. Sum. Jan 1975

023068 SF15.K8A37
Studies om inorganic matters in feedstuffs. II. Contents' of calcium and phosphorus in home produced feedstuffs. (Kor) Chiang, Y H; Sah, Y S *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 33-44. Ref. Eng. Sum. Aug 1975

023069 284.9 M58
Mercury analyses of Michigan corn [Swine feed ingredient]. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 112. Sept 1975

023070 284.9 M58
Studies with Fusarium [roseum]-infected corn [Swine, feed toxicity]. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 86-89. Sept 1975

023071 13 R322
Yield, chemical composition and dry matter intake of R.v.P ryegrass varieties [Lolium, sheep]. (Fre) Carlier, L A; Andries, A P *Rev Agric (Brux)* 28 (4): 911-922. Ref. Eng. Sum. July/Aug 1975

023072 SF1.R54
Protein from petroleum [Yeasts as feed]. (Ita) Rosnati, L *Rilancio Agric Vet Zootec* 6 (2/3): 14, 16-17. 1974

023073 20.5 R59 SER. C
Estimation method of drum driers of fodder in operation conditions. (Pol) Kulik, T *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 101-108. Eng. Sum. 1975

023074 20.5 R59 SER. C
Moisture stream application for comparison of agricultural drum driers of fodder. (Pol) Kulik, T *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 109-116. Eng. Sum. 1975

20.5 R59 SER. C
Morphological, physical and chemical features of red clover, importat for the drying process. (Pol) Jasinska, Z; Malarz, W *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 117-130. 1975

023075 298.8 SE42
Survey and culture of the fungal contaminations of some feedstuffs. (Ita) Cirilli, G; Ridolfi Cirilli, A *Tec Molit* 26 (10): 93-98. Oct 1975

023076 49 T445
Feed control for the farmer. (Ger) Planitz, E L *Tierzuchter* 27 (12): 522-524. Dec 5, 1975

023077 290.9 AM32T
Cubing tests with grass forages and similar roughage sources. Dobie, J B *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 864-866. Sept/Oct 1975

023078 41.8 V6439
Evaluation of feedstuffs in the field of nutrition and dietetics in Czechoslovakia in 1970-1974. (Cze) Machycek, V *Veterinarstvi* 25 (9): 393-394. 1975

023079 SF191.W6
New trends in ensiling forages. McCullough, M E; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 44-49. 1975

023080 SF191.W6
Waste cellulose as an energy source for animal protein production [Feed]. Dyer, I A; Riquelme, E; Baribo, L; Couch, B V; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 39-43. Ref. 1975

023081 47.8 W89
The economic reasibility of processed animal waste [Feed]. Charles, O W *Worlds Poult Sci J* 31 (4): 271-275. Ref. Nov 1975

023082 49 Z6
Evaluation of nutritive value of haylage and cereal haylage [Composition, digestibility]. (Rus) Shishkin, A I; TSener, A G *Zhivotnovodstvo* 8: 50-52. Aug 1975

023083 49 Z6
Increase of production and improvement of quality of feeds in the Latvian SSR. (Rus) Chemm, V A *Zhivotnovodstvo* 8: 42-47. Aug 1975

023084 49 Z6
Nitrogen content in combined silages with varied alfalfa contents. (Rus) Rodenko, G F *Zhivotnovodstvo* 8: 52-53. Aug 1975

023085 49 Z6
Nomenclature of enterprises for preparation of full-value pressed combined feeds. (Rus) Firiulin, N S *Zhivotnovodstvo* 8: 86-88. Aug 1975

023086 49 Z6
Santoquin salts as stabilizers of carotene [Vitamins in feed]. (Rus) Zaikin, V P; Komissarov, N P; Puchnin, A M *Zhivotnovodstvo* 8: 55-56. Aug 1975

023087 49 Z6
Use of chemical supplements for feed preservation. (Rus) Ramane, I A; Liberts, V A *Zhivotnovodstvo* 8: 53-55. Aug 1975

ANIMAL HUSBANDRY

023088 256.13 AG82M
Rearing dairy herd replacements. Gordon, F J *Agric North Irel* 50 (6): 166-168. Oct 1975

023089 256.13 AG82M
Teaching sheep and suckler cow management at Greenmount. Wilson, J K *Agric North Irel* 50 (5): 138-140. Sept 1975

023090 S15.A395
Considerations with respect to the use of a system of artificial rearing for dairy calves in southern Chile. (Spa) Eichholz P, J *Agro Sur* 3 (1): 67-70. Eng. Sum. 1975

023091 16 T63
Present and future conditions of cattle rearing in countries of the central southern part of Asia and in Brasil. (Ita) Bonadonna, T *Ann Accad Agric Torino* 116: 217-234. 1973/1974

023092 16 T63
Prospects for the intensification of rabbit meat production. (Ita) Auxilia, M T *Ann Accad Agric Torino* 116: 29-61. Ref. Eng. Sum. 1973/1974

023093 100 AR42F
Additional developments on the automated cage system for growing broilers. Nelson, G S; Shelby, K R; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 5. Nov/Dec 1975

023094 100 AR42F
Influence of high relative humidity on performance of strains of commercial broilers. Harris, G C Jr; Nelson, G S; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 7. Nov/Dec 1975

023095 SF191.K4
Dairy: Group handling of dairy cows. Hess, G S; Nicolai, J; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 28, 2 P. June 1975

023096 SF191.K4
Feeding, managing, and vaccinating dairy and orphan beef calves from birth to weaning. Nicolai, J H; Hemken, R W; LaBore, D; Gay, N; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 30, 6 P. July 1975

023097 47.8 B26
Plans for economical measures in the poultry industry. (Hun) Takacs, L *Baromfiipar* 22 (9): 386-392. 1975

023098 57.9 AR1
Ethological and ecological system of livestock husbandry [Horses, cows, care]. (Ger) Zeeb, K *Ber Arbeitstag Fragen Gulle* P. 281-290. 1974

023099 SF779.5.A1B6
The use of dentition to determine age in British cattle. Andrews, A H *Bovine Pract* 10: 95-97. Nov 1975

023100 41.8 V643
Spatial preference in the domestic hen [Housing]. Hughes, B O *Br Vet J* 131 (5): 560-564. Sept/Oct 1975

023101 281.8 C16
A note on econometric simulation model for Canadian dairy industry. Sahi, R K; Harrington, D H *Can J Agric Econ* P. 114-132. Aug 1974

023102 281.8 C16
A quadratic programming model of the Canadian dairy industry. Harrington, D H; Sahi, R K *Can J Agric Econ* P. 133-152. Aug 1974

023103 281.8 C16
Hog [swine] sector models. Martin, L; Zwart, A C *Can J Agric Econ* P. 101-113. Aug 1974

023104 41.8 C33
A review of animal husbandary activities of the Department of Agriculture, Sri Lanka for the period 1940—1949. Balachandran, K *Ceylon Vet J* 22 (3/4): 41-47. Sept/Dec 1974

023105 275.29 N811
North Carolina started pullets: management, integrity, sanitation, immunization. Martin, G A; Mills, W C Jr; Harris, J R; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 467, 6 P. June 1975

023106 44.8 D1414
The heart of the matter [Cattle]. 4. Esslemont, D *Dairy Farmer Dairy Beef Prod* 22 (12): 24-25. Dec 1975

023107 44.8 M736
Development of the dairy cattle farming in the north Rhine area. (Ger) Gimmler, W *Dtsch Milchwirtsch* 26 (36): 1251-1254, 1258, 1260, 1262. Map. Sept 3, 1975

023108 412.628 D48
State and prospects of fur farming with the Siberian sable [USSR]. (Ger) Schmidt, F *Dtsch Pelztierz* 49 (11): 212-213. Nov 1975

023109 275.29 OR32C
Dairy goat housing and care [Husbandry]. Anderson, D E; Oregon State University Extension Service *Ext Circ Ext Serv Oreg State Univ* 867, 4 P. Aug 1975

023110 275.29 OR32C
Dairy goats for family milk supply [Husbandry]. Anderson, D E; Oregon State University Extension Service *Ext Circ Ext Serv Oreg State Univ* 866, 4 P. Aug 1975

023111 1 AG84F
Catfish farming. Grizzell, R A Jr; Dillon, O W Jr; Sullivan, E G; Compton, L V; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2260, 22 P. Nov 1975

023112 SF481.F53
Control in egg production; a summary. (Swe) Wahlstrom, P *Fjaderfa* 68 (7): 211. Sept 1975

023113 SF481.F53
Coop research at Lovsta [Poultry housing]. (Swe) Tauson, R *Fjaderfa* 68 (9): 274-275. Nov 1975

023114 SF481.F53
Ventilation, feed waste, breakage [Raising poultry]. (Swe) Andersson, G *Fjaderfa* 68 (10): 308. Dec 1975

023115 500 AM35G
Antebellum cattle herding in the Indian territory. Doran, M F *Geogr Rev* 66 (1): 48-58. Maps. Jan 1976

023116 S27.A3
The role of trees [as windbreaks] in improving energy utilization by beef cattle [Housing]. Farlin, S D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 9 P. 1975

023117 17 SCH9
Beef performance of Brown Swiss cattle. (Ger) Studiger, J *Grune* 103 (45): 10-19. Nov 28, 1975

023118 17 SCH9
Field testing, an essential aid for the modern swine farm. (Ger) Fehse, R *Grune* 103 (47): 10-13. Nov 21, 1975

023119 17 SCH9
Production management and cattle rearing. (Ger) Glattli, H U *Grune* 103 (51): 9-18. Dec 19, 1975

023120 26 H27
Goat keeping miscellanea. (Heb) Laor, M *Hassadeh* 56 (1): 100. Oct 1975

023121 26 H27
The number of daily milkings and relevant aspects of herd management. (Heb) Eldan, A; Bar-Annan, R *Hassadeh* 56 (1): 87-88. Oct 1975

023122 26 H27
The right way to debeak [Poultry]. (Heb) Phelps, A *Hassadeh* 56 (1): 98-99. Oct 1975

023123 26 H27
Towards winter in the cowshed and around it. (Heb) Shapira, D *Hassadeh* 56 (1): 82-84. Oct 1975

023124 44.8 IN282
The role of buffalo in the developing world [Milk production]. Nagarcenkar, R *Indian Dairym* 27 (8): 301-304. Aug 1975

023125 SF481.I55
Brooding house arrangements. Roy, T K *Indian Poult Rev* 6 (11): 455. Jan 16, 1975

023126 49 J82
Telling the story of animal science to the student [Livestock husbandry]. Patton, R S *J Anim Sci* 41 (6): 1775-1776. Dec 1975

023127 49 J82
Telling the story of animal science to the consumer [Livestock husbandry]. Gould, A *J Anim Sci* 41 (6): 1776-1778. Dec 1975

023128 49 J82
Telling the story of animal science to the legislatures [Livestock husbandry]. Airy, J *J Anim Sci* 41 (6): 1778-1781. Dec 1975

023129 389.78 K85
Animal husbandry and 1975 feed economy in the Rhineland Palatinate. (Ger) Graf, L *Kraftfutter* 58 (11): 443-444. Nov 1975

023130 QL55.A1L3
Gnotobiotic [laboratory] animals in research: their uses and limitations. Coates, M E *Lab Anim* 9 (4): 275-282. Ref. Oct 1975

023131 QL55.A1L3
Husbandry and observation methods of a breeding colony of marmosets (Callithrix jacchus) for behavioural research [Laboratory animals. Ingram, J C *Lab Anim* 9 (4): 249-259. Oct 1975

023132 QL55.A1L3
Production of rats in synchronised batches. May, D; Hepburn, D; Simpson, K B *Lab Anim* 9 (4): 313-318. Oct 1975

023133 49 B462
Dairy bulls are also judged on beef in the German Federal Republic. (Fre) Spindler, F *L'elevage* 45: 91. Nov 1975

275.29 M66PS
Free-stall housing for dairy cattle. Bates, D W; Minnesota University Agricultural Extension Service *M Agric Ext Serv Univ Minn* 138, Rev., 16 P. 1975

023134 SF221.M5
Test results for rearing young cattle in open box stalls. (Ger) Wander, J F *Milch Prax Rindermast* 13 (4/5): 19-21. Nov 1975

023135 41.8 N812
Observations upon the shoeing of horses. Clark, J *Mod Vet Pract* 56 (12): 845-847. Dec 1975

023136 45.8 N21N
Coyotes do kill sheep! [Predators]. Henne, D R *Natl Wool Grow* 65 (10): 20-21. Oct 1975

023137 46.8 P623
Pig testing in Denmark. 1. Staun, H *Pig Farming* 24 (1): 32-33. Jan 1976

023138 SF481.P64
High air temperature and poultry performance. Joshi, P C; Panda, B; Joshi, B C *Poult Guide* 12 (7): 35-37. July 1975

023139 SF481.P64
Management of young chicks [Rearing]. Saxena, U C *Poult Guide* 12 (9): 20-22. Sept 1975

023140 49.9 N483
Communication of animal production informant: an adviser's viewpoint. Milligan, K E *Proc N Z Soc Anim Prod* 34: 152-157. 1974

023141 S293.C6N31
A survey of important characters of Thai native cattle. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 368-375. 1974

023142 S293.C6N31
Poultry farming in the Philippines: general view. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 551-552. 1974

023143 389.9 AM31
Early development and breeding of ewe lambs. Evans, A D; Andrus, K; Nielsen, J R; Gardner, R W; Park, R L; Wallentine, M V *Proc West Sect Am Soc Anim Sci* 26: 23-26. 1975

023144 389.9 AM31
Early weaning lambs. Vavra, M *Proc West Sect Am Soc Anim Sci* 26: 34-35. 1975

023145 389.9 AM31
Factors affecting feedlot performance and carcass traits in steers. Reimer, D; Nolan, J C Jr; Campbell, C M; Vogt, D W *Proc West Sect Am Soc Anim Sci* 26: 40-43. 1975

023146 389.9 AM31
Summer grazing performance of cattle as influenced by water stress & trailing. Sneva, F A; Hunter, V E; Rittenhouse, L *Proc West Sect Am Soc Anim Sci* 26: 27-28. 1975

023147 S15.R46
Some aspects of the influence of tropical climates on swine exploitations: Cooling system. (Por) Vieira, P *Reordenamento* 37: 12-15. Jan/Feb 1975

023148 100 OK4M
Beef cattle research, Fort Reno. Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725, 63 P. Oct 1975

023149 100 OK4M
Performance of cows and their calves reared as singles or twins. Wyatt, R D; Wettemann, R P; Gould, M B; Knori, L; Totusek, R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 60-63. Oct 1975

023150 100 OK4M
The Fort Reno Livestock Research Station. Gould, M B; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 1. Oct 1975

023151 43.8 R32
For beginners in swine keeping. (Por) Paulin Neto, L *Rev Criad* 45 (545): 67-70. June 1975

023152 43.8 R32
Horse racing in South Africa. (Por) Mendes, A C *Rev Criad* 45 (545): 65-66. June 1975

023153 43.8 R32
The Lavinia cattle breed and the environment. (Por) Mello, R F de *Rev Criad* 45 (540): 18-22. Jan 1975

023154 9.4 R32
The productive goat, a resource in the process of being exploited [Colombia]. (Spa) Castano Quintero, M *Rev Nac Agric* 68 (811): 25-28. Jan 1975

023155 60.9 C46
Aspects of grazing use in the Pyrenees [Cattle, sheep]. Dunbar, G A *Rev Tussock Grassl Mt Lands Inst* 31: 67-71. 1975

023156 60.9 C46
Tara Hills high country survey 1973 [Sheep, cattle, pastures]. Scales, G H; Currie, J D; Kissick, K P; Donaldson, T H *Rev Tussock Grassl Mt Lands Inst* 31: 31-43. 1975

023157 SF1.R54
Aspects of the animal husbandry of Lombardy. (Ita) Tonidandel, P *Rilancio Agric Vet Zootec* 6 (5/6): 34-36. 1974

023158 SF1.R54
Programmed rabbit rearing. (Ita) Olivelli, V *Rilancio Agric Vet Zootec* 6 (2/3): 33. 1974

023159 SF1.R54
When and how to wean piglets. (Ita) Braglia, N *Rilancio Agric Vet Zootec* 6 (2/3): 26-27. 1974

023160 SB183.S3
The result and development of socialist science and research in the field of animal production. (Ger) Dvoracek, M *Sci Agric Bohemoslov* 5 (4): 245-254. Eng. Sum. 1974

023161 100 AR42SP
Arkansas Dairy [cattle] Study Day, October 28, 1975. Breeding, Feeding, Management. Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22, 17 P. Oct 1975

023162 41.8 T445
International dairy industry in change. (Ger) Schulze, H *Tierarztl Umsch* 30 (11): 556, 558-562, 564-565. Nov 1, 1975

023163 41.8 T445
Status and use of native ruminants in the tropics. (Ger) Devendra, C *Tierarztl Umsch* 30 (10): 488-492, 494-496. Ref. Oct 1, 1975

023164 49 T445
Competition in beef production. Comparison of Great Britain and the German Federal Republic. (Ger) Weiers, C J *Tierzuchter* 27 (11): 480-482. Nov 5, 1975

023165 49 T445
Maintenance people, number one influence factor in animal husbandry [Dairy cattle]. (Ger) Schlichting, M C *Tierzuchter* 27 (11): 498-500. Nov 5, 1975

023166 49 T445
Wisconsin, USA, a classical land of milk production. (Ger) Semmler, K O *Tierzuchter* 27 (11): 496-498. Nov 5, 1975

023167 290.9 AM32T
Influence of shading on production of midwest feedlot cattle. Bond, T E; Laster, D B *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 957-959. Ref. Sept/Oct 1975

023168 GB746.W33
Potentialities of fur [animal] farming on reservoirs. Vanichkina, S I; Kotlyarevskaya, N V *Water Resour* 1 (5): 702 708. Ref. Sept-/Oct 1974

023169 47.8 W89
Ways of increasing goose meat production in the USSR. Saleyev, P *Worlds Poult Sci J* 31 (4): 276-287. Ref. Nov 1975

023170 49 Z6
Experiment in increasing milk productivity of cows. (Rus) Kalashnikov, D A *Zhivotnovodstvo* 8: 11-15. Aug 1975

023171 49 Z6
Increasing the effectiveness of sow exploitation [Weaning]. (Rus) Vekker, I I; Kavtaradze, G G *Zhivotnovodstvo* 6: 58-59. June 1975

023172 49 Z6
Intensification of sheep husbandry in the central Volga River area [Meat and wool yields]. (Rus) Rachkovskii, L N *Zhivotnovodstvo* 8: 32-35. Aug 1975

023173 49 Z6
Reserves for increasing beef production [Cattle feeding, breeding]. (Rus) Petrova, K V *Zhivotnovodstvo* 6: 20-25. June 1975

LIVESTOCK BIOLOGY

023174 444.8 AC82
The connective tissue skeleton in the mammalian kidney and its innervation [Includes livestock]. Dolezel, S *Acta Anat* 93 (2): 194-209. Ref. 1975

023175 QH301.A25
Modulation of the photically evoked potentials in the motor cortex of cats by influences of the somatosensor system and reticular formation. (Ger) Roth, N; Durinjan, R A *Acta Biol Med Ger* 34 (9): 1509-1515. Ref. Eng. Sum. 1975

023176 448.8 AC85
Aminoglutethimide and glutethimide: effects on 18-hydroxycorticosterone biosynthesis by human and sheep adrenals in vitro. Touitou, Y; Bogdan, A; Legrand, J C; Desgrez, P *Acta Endocrinol* 80 (3): 517-526. Ref. Nov 1975

023177 448.8 AC85 SUPPL.
Studies of the hypothalamus and the pituitary gland, with special reference to the effects of transection of the pituitary stalk [Includes animals]. Daniel, P M; Prichard, M M L *Acta Endocrinol Suppl* 80 (201), 216 P. Ref. 1975

023178 444.8 AC86
The anatomy, histology and biogenic compounds of the carotid body of the pig (Sus scrofa). Castello, H; Morita, E; Brieux, J A; Tramezzani, J H *Acta Physiol Lat Am* 24 (6): 616-630. Ref. 1974

023179 QP1.A2
A method for the continuous study of net water transport in the feline small bowel [Cats]. Jodal, M; Hallback, D A; Svanvik, J; Lundgren, O *Acta Physiol Scand* 95 (4): 441-447. Dec 1975

023180 QP1.A2
Changes in renal hemodynamics and sodium excretion during saline infusion in lambs. Aperia, A; Broberger, O; Herin, P *Acta Physiol Scand* 94 (4): 442-450. Ref. Aug 1975

023181 QP1.A2
Effect of bulbar acidification on gastric acid responses to urecholine in Pavlov pouch dogs. Nilsson, G *Acta Physiol Scand* 95 (3): 258-262. Ref. Nov 1975

023182 QP1.A2
Effect of vasoactive agents on the distribution of renal cortical blood flow in dogs. Tyssebotn, I; Kirkebo, A *Acta Physiol Scand* 95 (3): 318-328. Ref. Nov 1975

023183 QP1.A2
Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, liver function, and hepatic metabolism in cats. Krarup, N *Acta Physiol Scand* 95 (3): 311-317. Ref. Nov 1975

023184 QP1.A2
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the cerebral cortex of unanesthetized and anesthetized rats. Norberg, K; Quistorff, B; Siesjo, B K *Acta Physiol Scand* 95 (3): 301-310. Ref. Nov 1975

023185 QP1.A2
Influence of substance P on the response of guinea pig ileum to transmural nerve stimulation. Hedqvist, P; Euler, U S von *Acta Physiol Scand* 95 (3): 341-343. Ref. Nov 1975

023186 QP1.A2
Presence of substance P-like immunoreactivity in plasma from man and dog. Nilsson, G; Pernow, B; Fischer, G H; Folkers, K *Acta Physiol Scand* 94 (4): 542-544. Aug 1975

023187 QP1.A2
Rubrospinal control of static and dynamic fusimotor neurones [Cats]. Appelberg, B; Jeneskog, T; Johansson, H *Acta Physiol Scand* 95 (4): 431-440. Ref. Dec 1975

023188 QP1.A2
Studies of some twitch and fatigue properties of different motor unit types in the ankle muscles of the adult cat. Hammarberg, C; Kellerth, J O *Acta Physiol Scand* 95 (3): 231-242. Ref. Nov 1975

023189 QP1.A2
Studies on the renal uptake of vitamin D3 in the mouse and the quail. Dencker, L; Tjalve, H *Acta Physiol Scand* 95 (4): 407-416. Ref. Dec 1975

023190 QP1.A2
Synthesis of brain-specific acidic proteins in rat and mouse cerebral slices. Wronski, A; Decken, A von der *Acta Physiol Scand* 95 (4): 482-493. Ref. Dec 1975

023191 QP1.A2
The initial cardiovascular responses in the diving duck. Blix, A S; Lundgren, O; Folkow, B *Acta Physiol Scand* 94 (4): 539-541. Aug 1975

023192 QP1.A2
The postnatal development of some twitch and fatigue properties of single motor units in the ankle muscles of the kitten. Hammarberg, C; Kellerth, J O *Acta Physiol Scand* 95 (3): 243-257. Ref. Nov 1975

023193 S671.A2
Laboratory research of intensity of milk outflow from a mammilla. (Slo) Orzechowski, J; Kliszczewski, W; Kwiecinski, A *Acta Technol Agric* 14: 17-31. Eng. Sum. 1975

023194 S671.A2
Study of the effect of pulses on milking velocity and magnitude of manual end-milking during machine milking of ewes. (Slo) Zahorsky, J; Krcula, J *Acta Technol Agric* 14: 213-224. Eng. Sum. 1975

023195 41.8 AC87
The effect of physical training on skeletal muscle enzyme composition in pigs. Jorgensen, P F; Hyldgaard-Jensen, J F *Acta Vet Scand* 16 (3): 368-378. Ref. 1975

023196 410 AC8
Investigations on the circadian cycle of secretion in the neurosecretory nuclei of mouse. (Ger) Martin, D; Luppa, H *Acta Zool (Stockh)* 56 (4): 239-264. Ref. Eng. Sum. 1975

023197 QP901.A33
Ovalbumin mRNA and ovalbumin DNA and the molecular biology of steroid hormone action [Chicks]. Schimke, R T; Shapiro, D J; McKnight, G S *Adv Exp Med Biol* 62: 79-101. Ref. 1975

023198 QP901.A33
Preformed mRNA and the programming of early embryo development [Includes animals and plants]. Marcus, A; Spiegel, S; Brooker, J D *Adv Exp Med Biol* 62: 1-19. Ref. 1975

023199 58.8 AG83
To measure dynamic responses of a cow's teat. Reitsma, S; Scott, N R *Agric Eng (St Joseph, Mich)* 56 (11): 17-18. Nov 1975

023200 447.8 AM3
Absence of estimated glomerular pressure autoregulation during interrupted distal delivery [Dogs]. Navar, L G; Chomdej, B; Bell, P D *Am J Physiol* 229 (6): 1596-1603. Ref. Dec 1975

023201 447.8 AM3
Arterial pressure-flow relations in the awake standing dog. Ehrlich, W; Schrijen, F V; Solomon, T A; Rodriguez-Lopez, E; Riley, R L *Am J Physiol* 229 (5): 1201-1267. Ref. Nov 1975

023202 447.8 AM3
Chymodein, a duodenal peptide: specific stimulation of chymotrypsinogen secretion [Rabbits]. Adelson, J W; Rothman, S S *Am J Physiol* 229 (6): 1680-1686. Ref. Dec 1975

023203 447.8 AM3
Difference between endocardial and epicardial utilization of glycogen in the ischemic heart [Dogs]. Ichihara, K; Abiko, Y *Am J Physiol* 229 (6): 1585-1589. Ref. Dec 1975

023204 447.8 AM3
Effect of glucagon on secretin-stimulated bile flow [Dogs]. Kaminski, D L; Ruwart, M J; Jellinek, M *Am J Physiol* 229 (6): 1480-1485. Ref. Dec 1975

023205 447.8 AM3
Effect of parathyroid hormone secretion on sodium reabsorption by the proximal tubule [Dogs]. Schneider, E G *Am J Physiol* 229 (5): 1170-1173. Ref. Nov 1975

023206 447.8 AM3
Effects of an angiotensin inhibitor on adrenocortical response to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, potassium, dogs]. Forman, B H; Fernandez-Cruz, A Jr; Kuczala, Z J; Mulrow, P J *Am J Physiol* 229 (6): 1713-1717. Dec 1975

023207 447.8 AM3
Effects of carotid hypotension on aortic hemodynamics in the unanesthetized dog. Cox, R H; Fronek, A; Peterson, L H *Am J Physiol* 229 (5): 1376-1380. Ref. Nov 1975

023208 447.8 AM3
Effects of glucagon and insulin on net hepatic metabolism of glucose precursors in sheep. Brockman, R P; Bergman, E N; Joo, P K; Manns, J G *Am J Physiol* 229 (5): 1344-1350. Nov 1975

023209 447.8 AM3
Effects of veratrine on repolarization in the canine right bundle branch. Arbel, E R; Lazzari, J; Glick, G *Am J Physiol* 229 (5): 1254-1260. Ref. Nov 1975

023210 447.8 AM3
Electric pacing of intact and transected canine small intestine and its computer model. Akwari, O E; Kelly, K A; Steinbach, J H; Code, C F *Am J Physiol* 229 (5): 1188-1197. Ref. Nov 1975

023211 447.8 AM3
Electrogenic sodium pumping in rabbit small intestinal smooth muscle. el-Sharkawy, T Y; Daniel, E E *Am J Physiol* 229 (5): 1277-1286. Ref. Nov 1975

023212 447.8 AM3
Embryonic and placental development during prolonged inanition in the pig [Pregnancy]. Anderson, L L *Am J Physiol* 229 (6): 1687-1694. Ref. Dec 1975

023213 447.8 AM3
Feeding induced by intracerebroventricular 2-deoxy-d-glucose in the rat. Miselis, R R; Epstein, A N *Am J Physiol* 229 (5): 1438-1447. Ref. Nov 1975

023214 447.8 AM3
Glucose turnover values in the dog obtained with various species of labeled glucose. Altszuler, N; Barkai, A; Bjerknes, C; Gottlieb, B; Steele, R *Am J Physiol* 229 (6): 1662-1667. Ref. Dec 1975

023215 447.8 AM3
Hematocrit of the fetal rabbit placenta. Newcomb, S L; Power, G G *Am J Physiol* 229 (5): 1393-1396. Ref. Nov 1975

023216 447.8 AM3
Hepatocellular uptake of erythritol and mannitol in the dog. Glasinovic, J C; Dumont, M; Duval, M; Erlinger, S *Am J Physiol* 229 (5): 1455-1460. Ref. Nov 1975

023217 447.8 AM3
Impermeability of rabbit erythrocytes to prostaglandins. Bito, L Z; Baroody, R A *Am J Physiol* 229 (6): 1580-1584. Ref. Dec 1975

023218 447.8 AM3
Interstitial fluid pressure in canine gastric mucosa. Altamirano, M; Requena, M; Perez, T C *Am J Physiol* 229 (5): 1414-1420. Nov 1975

023219 447.8 AM3
Mechanism of diuretic response associated with atrial tachycardia [Dogs]. Boykin, J; Cadnapaphornchai, P; McDonald, K M; Schrier, R W *Am J Physiol* 229 (6): 1486-1491. Ref. Dec 1975

023220 447.8 AM3
Mechanisms of disposal of acid and alkali in rabbit duodenum. Fiddian-Green, R G; Silen, W *Am J Physiol* 229 (6): 1641-1648. Ref. Dec 1975

023221 447.8 AM3
Mesenteric baroreceptors [Cats]. Tuttle, R S; McCleary, M *Am J Physiol* 229 (6): 1514-1519. Ref. Dec 1975

023222 447.8 AM3
Myotonia and block of chloride conductance by iodide in avian muscle [Chickens, pigeons]. Morgan, K G; Entrikin, R K; Bryant, S H *Am J Physiol* 229 (5): 1155-1158. Ref. Nov 1975

023223 447.8 AM3
Negative inotropic influence of hyperosmotic solutions on cardiac muscle [Cats]. Wildenthal, K; Adcock, R C; Crie, J S; Templeton, G H; Willerson, J T *Am J Physiol* 229 (6): 1505-1509. Ref. Dec 1975

023224 447.8 AM3
Physiological temperature response and embryonic mortality in stressed swine. Wildt, D E; Riegle, G D; Dukelow, W R *Am J Physiol* 229 (6): 1471-1475. Ref. Dec 1975

023225 447.8 AM3
Quantitative aspects of insulin secretion and its hepatic and renal removal in sheep. Brockman, R P; Bergman, E N *Am J Physiol* 229 (5): 1338-1343. Ref. Nov 1975

023226 447.8 AM3
Skeletal buffering of acute metabolic acidosis [Dogs, cats]. Bettice, J A; Gamble, J L Jr *Am J Physiol* 229 (6): 1618-1624. Ref. Dec 1975

023227 447.8 AM3
Stimulation of intestinal smooth muscle by atropine, procain1, and tetrodotoxin [Cats]. Bortoff, A; Muller, R *Am J Physiol* 229 (6): 1609-1613. Ref. Dec 1975

023228 447.8 AM3
Vasomotor inhibition in rabbits by vagal nonmedullated fibers from cardiopulmonary area. Thoren, P N; Mancia, G; Shepherd, J T *Am J Physiol* 229 (5): 1410-1413. Ref. Nov 1975

023229 41.9 C67
Bioconstitution, temperament and instinct in animal behavior. (Spa) Panos Marti, P *An Col Of Vet Prov* 32 (364): 71-81. Mar/Apr 1975

023230 SF761.Z4
Annual meeting of the American Association of Veterinary Antomists Anaheim, California, July 13, 1975. American Association of Veterinary Anatomists *Anat Histol Embryol* 4 (4): 368-375. Nov 1975

023231 SF761.Z4
Further studies on the hypoglossal nucleus in the fowl. Watanabe, T; Iwata, N; Yasuda, M *Anat Histol Embryol* 4 (4): 323-333. Ref. Nov 1975

023232 SF761.Z4
The blood vascular system of the bovine omasum. (Fre) Lauwers, H; Vos, N R de; Teuchy, H *Anat Histol Embryol* 4 (4): 289-306. Ref. Eng. Sum. Nov 1975

023233 SF761.Z4
The fine structure of mast cells in the normal bovine mammary gland. Nielsen, E H *Anat Histol Embryol* 4 (4): 360-367. Ref. Nov 1975

023234 410 B77
Courtship as a reinforcement for key pecking [behavior] in the pigeon, Columba livia. Gilbertson, D W *Anim Behav* 23 (4): 735-744. Ref. Nov 1975

023235 410 B77
Effects of testosterone propionate on the social behaviour of groups of male domestic ducklings Anas platyrhynchos L. Balthazart, J; Stevens, M *Anim Behav* 23 (4): 926-931. Ref. Nov 1975

023236 410 B77
The concept of spatial leadership in farm animals: an experiment with sheep. Syme, G J; Syme, L A *Anim Behav* 23 (4): 921-925. Ref. Nov 1975

023237 QP98.A1A5
Electrophoretic variation of red cell enzyme systems in farm animals. McDermid, E M; Agar, N S; Chai, C K *Anim Blood Groups Biochem Genet* 6 (3): 127-174. Ref. 1975

023238 QP98.A1A5
Erythrocyte oxidized glutathione in Australian Merino sheep. Board, P G *Anim Blood Groups Biochem Genet* 6 (2): 65-69. Ref. 1975

023239 13 G28
Normal hematological parameters in cattle of the Central Belgian Blue, West Flemish Red and East Flemish Red Pied breeds. (Fre) Mammerickx, M; Lierde, H van *Ann Gembloux* 80 (4): 201-210. Fourth Quarter 1974

023240 383 AN73
Histochemical and histoenzymological investigations of the vertebral chondrogenesis in the chick embryo. (Fre) Renda, T; D'este, L; Bronzetti, E *Ann Histochim* 20 (3): 195-203. Ref. Eng. Sum. July/Sept 1975

023241 500 N484
Ascorbic acid requirements and metabolism in relation to organochlorine pesticides [Toxicity, animals]. Street, J C; Chadwick, R W *Ann N Y Acad Sci* 258: 132-143. Ref. 1975

023242 500 N484
Environmental influences on ascorbic acid requirements in animals. Scott, M L *Ann N Y Acad Sci* 258: 151-155. Ref. 1975

023243 500 N484
Synthesis and some major functions of vitamin C in animals. Chatterjee, I B; Majumder, A K; Nandi, B K; Subramanian, N *Ann N Y Acad Sci* 258: 24-47. Ref. 1975

023244 410 AN79
Unusual cytoplasmic inclusion body in neural tube cells of rat early embryo: a phagocytotic vesicle? Takeuchi, I K *Annot Zool Jap* 48 (3): 148-154. Sept 1975

QH540.A55
Cannibalism in natural populations [Insects, animals]. Fox, L R *Annu Rev Ecol Syst* 6: 87-106. Ref. 1975

QH540.A55
Ecological aspects of [animals, insects] spatial orientation. Jander, R *Annu Rev Ecol Syst* 6: 171-188. 1975

023245 QH540.A55
The rumen microbial ecosystem. Hungate, R E *Annu Rev Ecol Syst* 6: 39-66. Ref. 1975

023246 QL750.A6
A comparison of the role of vision and hearing in lambs finding their own dams. Shillito, E E *Appl Anim Ethology* 1 (4):369-377. Oct 1975

023247 QL750.A6
An exploratory ultrasonic study on quantitative foetal kinesis in the horse. Fraser, A F; Hastie, H; Callicott, R B; Brownlie, S *Appl Anim Ethology* 1 (4): 395-404. Oct 1975

023248 QL750.A6
Effects of olfactory bulb ablation on maternal behaviour in sows [Swine]. Meese, G B; Baldwin, B A *Appl Anim Ethology* 1 (4): 379-386. Ref. Oct 1975

023249 QL750.A6
Observations on the behaviour of the Mithan (Bibos frontalis Lambert 1837) in captivity [Cattle]. Scheurmann, E *Appl Anim Ethology* 1 (4): 321-355. Ref. Oct 1975

023250 QL750.A6
Vocalizations of isolated piglets. 1. Sources of variation and relationships among measures. Fraser, D *Appl Anim Ethology* 1 (4): 387-394. Oct 1975

023251 41.8 EX7
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. (Ger) Kolb, E *Arch Exp Veterinarmed* 29 (5): 735-758. Ref. Eng. Sum. 1975

023252 41.8 EX7
Hormones concentrations in the plasma of pigs kept under different management systems. (Ger) Kemper, A; Wildenhahn, V; Lyhs, L *Arch Exp Veterinarmed* 29 (5): 711-715. Ref. Eng. Sum. 1975

023253 41.8 EX7
Properties of erythrocytic acid phosphatase in sheep and the isoenzymes of erythrocytic acid phosphatase in sheep and goats. (Ger) Diallo, A M; Kolb, E; Korber, R *Arch Exp Veterinarmed* 29 (5): 789-800. Ref. Eng. Sum. 1975

023254 RM1.A73
Adrenergic drug-receptor interaction in the presence of strontium (Sr++) in mammalian myocardium [Rabbits]. Carrier, G O; Matheny, J L; Ahlquist, R P *Arch Int Pharacodyn Ther* 218 (1): 11-18. Ref. Nov 1975

023255 RM1.A73
Alteration of drug pharmacodynaics by hyperlipidemia [Rabbits]. Cenedella, R J; Crouthamel, W G; Bierkamper, G G; Westfall, D P *Arch Int Pharacodyn Ther* 218 (2): 299-311. Ref. Dec 1975

023256 RM1.A73
Differences due to species, sex and pregnancy in microsomal induction by diphenylhydantoin in rabbits and rats. Gut, I; Becker, B A *Arch Int Pharacodyn Ther* 218 (1): 133-143. Ref. Nov 1975

023257 RM1.A73
Direct renal hemodynamic effects of clonidine [Dogs]. Chrysant, S G; Lavender, A R *Arch Int Pharacodyn Ther* 218 (2): 202-211. Ref. Dec 1975

023258 RM1.A73
Effect of glucagon on myoelectrical and mechanical activity recorded from the isolated homologous perfused canine stomach. Kowalewski, K; Kolodej, A *Arch Int Pharacodyn Ther* 218 (2): 186-195. Ref. Dec 1975

023259 RM1.A73
Effects of ethanol and its interaction with vasoactive agents in bovine vascular smooth muscle. Dalske, H F *Arch Int Pharacodyn Ther* 218 (1): 54-65. Ref. Nov 1975

023260 RM1.A73
Effects of isoprenaline and phenyleprine on plasma potassium: role of the liver [Dogs]. Castro-Tavares, J *Arch Int Pharacodyn Ther* 218 (1): 110-119. Ref. Nov 1975

023261 RM1.A73
Effects of metiamide on distribution of 14C[carbon isotope]-histamine in aortic smooth muscle [Rabbits]. Goodman, F R; Debbas, G; Weiss, G B *Arch Int Pharacodyn Ther* 218 (2): 212-220. Ref. Dec 1975

023262 RM1.A73
Metabolic inhibition and adrenoceptor interconversion [Rabbits]. Matheny, J L; Ahlquist, R P *Arch Int Pharacodyn Ther* 218 (1): 4-10. Ref. Nov 1975

023263 RM1.A73
Positive inotropic effect of insulin on rabbit auricle in vitro. Sassine, A; Bourgeois, J M; Macabies, J *Arch Int Pharacodyn Ther* 218 (2): 196-201. Ref. Dec 1975

023264 RM1.A73
Suppression of cerebellar evoked potentials by a peripheral action of diphenylhydantoin [Cats]. Anderson, R J; Raines, A *Arch Int Pharacodyn Ther* 218 (1): 144-155. Ref. Nov 1975

023265 RM1.A73
Synthesis and adrenergic neuron blocking properties of some alkylating analogues of bretylium [Rabbits]. Krueger, C A; Cook, D A *Arch Int Pharacodyn Ther* 218 (1): 96-105. Ref. Nov 1975

023266 RM1.A73
The influence of temperature increase, elevation of extracellular H+[hydrogen]-concentration, and of triiodothyronine on the actions of phenylephrine, histamine,. Wagner, J; Reinhardt, D; Huppertz, W *Arch Int Pharacodyn Ther* 218 (1): 40-53. Ref. Nov 1975

023267 QM1.A7
Histochemical investigation on the kidney of vertebrates. VI. The avian kidney. (Ita) Peyrot, A; Durando, F; Milone, A *Arch Ital Anat Embriol* 80 (1/2): 7-28. Ref. Eng. Sum. 1975

023268 49 AR23
Fixing the final weight of young bulls of different gene design with special reference to the growth function. (Ger) Lindemann, E; Stark, R von; Klautschek, G *Arch Tierz* 18 (3): 175-182. Ref. Eng. Sum. 1975

023269 49 AR23
Mathematical bases for analysing the growth of farm animals. (Ger) Lehmann, R *Arch Tierz* 18 (3): 163-174. Eng. Sum. 1975

23 AU783
The development of ruminant digestion in the calf. I. The digestion of barley and soya bean meal. Leibholz, J *Aust J Agric Res* 26 (6): 1081-1091. Ref. Nov 1975

023270 442.8 B5236
Bone resorbing activities of 24-hydroxy stereoisomers of 24hydroxyvitain D3 and 24, 25-dihydroxyvitamin D3 [Rats]. Stern, P H; DeLuca, H F; Ikekawa, N *Biochem Biophys Res Commun* 67 (3): 965-971. Ref. Dec 1, 1975

023271 442.8 B5236
Evidence for ceruloplasmin as a copper transport protein [Rats]. Hsieh, H S; Frieden, E *Biochem Biophys Res Commun* 67 (4): 1326-1331. Ref. Dec 15, 1975

023272 QH345.B52
Chromosomal variation, cellular ageing and resistance to antifolate analogues in a Chinese hamster line. Terzi, M; Hawkins, T S C *Biochem Exp Biol* 11 (3): 245-254. Ref. 1974/1975

023273 QH345.B52
Diuretic effect of an extract from the roots of Phytolacca dodecandra l'Herit in the rat. Anokbonggo, W W *Biochem Exp Biol* 11 (3): 275-277. 1974/1975

023274 382 B52
Changes in lectin-induced deoxyribonucleic acid synthesis in cultures of chick-embryo fibroblasts at various stages of development. Roguet, R; Bourrillon, R *Biochem J* 152 (2): 421-423. Ref. Nov 1975

023275 382 B52
Effects of cholecalciferol on the translocation of calcium by non-everted chick ileum in vitro. Holdsworth, E S; Jordan, J E; Keenan, E *Biochem J* 152 (2): 181-190. Ref. Nov 1975

023276 382 B52
Elongation of fatty acids by mocrosomal fractions from the brain of the developing rat. Brophy, P J; Vance, D E *Biochem J* 152 (3): 495-501. Ref. Dec 1975

023277 382 B52
Enzymes of glycerolipid synthesis in small-intestinal muscosa of foetal and neonatal guinea pigs. Short, V J; Dils, R; Brindley, D N *Biochem J* 152 (3): 675-679. Ref. Dec 1975

023278 382 B52
Enzymic hydrolysis of acetylcarnitine in liver from rats, sheep and cows. Costa, N D; Snoswell, A M *Biochem J* 152 (2): 161-166. Ref. Nov 1975

023279 382 B52
Evidence against the participation of the gamma-glutamyltransfease-gamma-glutamylcyclotransferase pathway in amino acid transport by rabbit erythrocytes. Young, J D; Ellory, J C; Wright, P C *Biochem J* 152 (3): 713-715. Ref. Dec 1975

023280 382 B52
Growth hormone, cyclic nucleotides and the rapid control of translation in heart muscle [Rats]. Mowbray, J; Davies, J A; Bates, D J; Jones, C J *Biochem J* 152 (3): 583-592. Ref. Dec 1975

023281 382 B52
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the pregnant rat. Rodway, R G; Kuhn, N J *Biochem J* 152 (3): 433-443. Ref. Dec 1975

023282 382 B52
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of delta4-3-oxo steroids in the rat after weaning or treatment with 2-bromo-alpha-ergocryptine during lactation. Rodway, R G; Kuhn, N J *Biochem J* 152 (3): 445-448. Ref. Dec 1975

023283 382 B52
Phosphatidate phosphohydrolase and palmitoyl-coenzyme A hydrolase in cardiac subcellar fractions by hyperthyroid rabbits and cardiomyopathic hamsters. Kako, K J; Patterson, S D *Biochem J* 152 (2): 313-323. Ref. Nov 1975

023284 382 B52
Precocious development of glucuronidating and hydroxylating enzymes in chick embryos treated with pituitary grafts. Wishart, G J; Dutton, G J *Biochem J* 152 (2): 325-331. Ref. Nov 1975

023285 382 B52
Reconstitution of pig lymphocyte plasma membranes from solubilized components, with particular reference to membrane-associated immunoglobulins. Chavin, S I; Holliman, A *Biochem J* 152 (2): 267-270. Ref. Nov 1975

023286 382 B52
Short-chain fatty acid synthases in brain. Subcellular localization and changes during development [Rats]. Reijnierse, G L A; Veldstra, H; Berg, C J van den *Biochem J* 152 (3): 477-484. Ref. Dec 1975

023287 382 B52
Some aspects of fatty acid oxidation in isolated fat-cell mitochondria from rat. Harper, R D; Saggerson, E D *Biochem J* 152 (3): 485-494. Ref. Dec 1975

023288 382 B52
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. Harwood, R; Grant, M E; Jackson, D S *Biochem J* 152 (2): 291-302. Ref. Nov 1975

023289 382 B52
Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in adult rat brain. Evidence for at least two small glutamate compartments in brain. Reijnierse, G L A; Veldstra, H; Berg, C J van den *Biochem J* 152 (3): 469-475. Ref. Dec 1975

023290 382 B52
Subcellular structure of bovine thyroid gland. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. Hilderson, H J J; Wolf, M J S de; Lagrou, A R; Dierick, W S H *Biochem J* 152 (3): 601-607. Ref. Dec 1975

023291 382 B52
The effect of convulsions induced by flurothyl on ribonucleic acid synthesis in rat cerebral cortex during the recovery phase. Wynter, C V A; Ioannou, P; Mathias, A P *Biochem J* 152 (3): 449-467. Ref. Dec 1975

023292 382 B52
The metabolism of lipids in mouse pancreatic islets. The oxidation of fatty acids and ketone bodies. Berne, C *Biochem J* 152 (3): 661-666. Ref. Dec 1975

023293 382 B52
The metabolism of lipids in mouse pancreatic islets. The biosynthesis of triacylglycerols and phospholipids. Berne, C *Biochem J* 152 (3): 667-673. Ref. Dec 1975

023294 382 B52
The transfer of mannose to dolichol diphosphate oligosaccharides in pig liver endoplasmic reticulum. Oliver, G J A; Hemming, F W *Biochem J* 152 (2): 191-199. Ref. Nov 1975

023295 381 B523
Activation of [horse] liver alcohol dehydrogenases by imidoesters generated in solution. Fries, R W; Bohlken, D P; Blakley, R T; Plapp, B V *Biochemistry (Easton)* 14 (23): 5233-5238. Ref. Nov 18, 1975

023296 381 B523
Cross-linking of troponin with dimethylimido esters [Rabbits]. Hitchcock, S E *Biochemistry (Easton)* 14 (23): 5162-5167. Ref. Nov 18, 1975

023297 381 B523
Formation of transient complexes in the glutamate dehydrogenase catalyzed reaction [Beef liver]. Sanner, T *Biochemistry (Easton)* 14 (23): 5094-5098. Ref. Nov 18, 1975

023298 381 B523
Inactivation of rabbit, pig, and carp adenylate kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. Hampton, A; Slotin, L A *Biochemistry (Easton)* 14 (25): 5438-5444. Ref. Dec 16, 1975

023299 381 B523
Intermediates in the limited proteolytic conversion of procollagen to collagen [Chick embryos]. Davidson, J M; McEneany, L S G; Bornstein, P *Biochemistry (Easton)* 14 (23): 5188-5194. Ref. Nov 18, 1975

023300 381 B523
Mechanism and specificity of rhodopsin phosphorylation [Bovine retinal photoreceptors]. Frank, R N; Buzney, S M *Biochemistry (Easton)* 14 (23): 5110-5117. Ref. Nov 18, 1975

023301 381 B523
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. Lyerla, J R Jr; Torchia, D A *Biochemistry (Easton)* 14 (23): 5175-5183. Ref. Nov 18, 1975

023302 381 B523
Partial purification of "omega" protein from calf thymus. Pulleyblank, D E; Morgan, A R *Biochemistry (Easton)* 14 (23): 5205-5209. Ref. Nov 18, 1975

023303 381 B523
Stabilization of the globular structure of ferricytochrome c by chloride in acidic solvents [Horse heart cytochrome]. Stellwagen, E; Babul, J *Biochemistry (Easton)* 14 (23): 5135-5140. Ref. Nov 18, 1975

023304 381 B523
Studies on the methyl green-DNA complex and its dissociation by drugs [Calf thymus]. Krey, A K; Hahn, F E *Biochemistry (Easton)* 14 (23): 5061-5067. Ref. Nov 18, 1975

023305 381 B523
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. Eckstein, F; Bruns, W; Parmeggiani, A *Biochemistry (Easton)* 14 (23): 5225-5232. Ref. Nov 18, 1975

023306 381 B523
The reconstitution of microtubles from purified calf brain tubulin. Lee, J C; Timasheff, S N *Biochemistry (Easton)* 14 (23): 5183-5187. Ref. Nov 18, 1975

023307 381 B523
Uridine diphosphate glucose synthase from calf liver: determinants of enzyme activity in vitro. Roach, P J; Warren, K R; Atkinson, D E *Biochemistry (Easton)* 14 (25): 5445-5450. Ref. Dec 16, 1975

023308 385 B523AE
Dextranglucosidase activity of porcine spleen acid alpha-glucosidase. Minakova, A L; Preobrazhenskaya, M E; Rozenfel'd, E L *Biochemistry (N Y)* 40 (1, Pt. 2): 105-113. Ref. Jan/Feb 1975

023309 385 B523AE
Interaction of trypsin with trypsin inhibitor from cow colostrum [Cattle, biochemistry]. Chechova, D; Kazanskaya, N F; Larionova, N I; Berezin, V *Biochemistry (N Y)* 40 (1, Pt. 2): 121-125. Ref. Jan/Feb 1975

023310 385 B523AE
Interaction of aspartate transaminase from chicken heart cytosol with analogs of pyridoxal phosphate. Vasil'ev, V YU; Mekhanik, M L; Severin, E S; Torchinskii, YU M *Biochemistry (N Y)* 40 (1, Pt. 2): 174-176. Jan/-Feb 1975

023311 385 B523AE
Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of peptides split by cyanogen bromide. Nosikov, V V; Polyanovskii, O L; Braunshtein, A E; Grishin, E V; Ovchinnikov, YU A *Biochemistry (N Y)* 40 (1, Pt. 1): 87-93. Ref. Jan/Feb 1975

023312 385 B523AE
Production by creatine of creatine kinase B synthesis in developing monolayer culture muscle cells [Chick embryos]. Sokolov, I N; Lyzlova, S N; Ashmarin, I P *Biochemistry (N Y)* 40 (1, Pt. 1): 1-4. Ref. Jan/Feb 1975

023313 381 B522
Collagen cross-linking in [rabbit] corneal scar formation. Cannon, D J; Cintron, C *Biochim Biophys Acta* 412 (1): 18-25. Ref. Nov 18, 1975

023314 QH505.A1B5
Dynamic mechanical measurements during the life to death transition in animal tissues. Fitzgerald, E R *Biorheology* 12 (6): 397-408. Ref. Oct 1975

023315 448.8 B772
A dog model of fulminant hepatic failure produced by paracetamol administration. Gazzard, B G; Hughes, R D; Mellon, P J; Portmann, B; Williams, R *Br J Exp Pathol* 56 (5): 408-411. Ref. Oct 1975

023316 448.8 B772
A study of the action of the cationic proteins from rabbit polymorphonuclear leucocytes on the staphylococcal cell membrane [Staphylococcus aureus]. Walton, E; Gladstone, G P *Br J Exp Pathol* 56 (5): 459-465. Ref. Oct 1975

023317 389.8 B773
New inhibitors of methane production by rumen micro-organisms. Development and testing of inhibitors in vitro [Sheep]. Czerkawski, J W; Breckenridge, G *Br J Nutr* 34 (3): 429-446. Ref. Nov 1975

023318 389.8 B773
New inhibitors of methane production by rumen micro-organisms. Experiments with animals and other practical possibilities [Sheep]. Czerkawski, J W; Breckenridge, G *Br J Nutr* 34 (3): 447-457. Ref. Nov 1975

023319 396.8 B77
Adenosine and diphyridamole actions and interactions on isolated coronary artery strips of cattle. Kalsner, S *Br J Pharmacol* 55 (3): 439-445. Ref. Nov 1975

023320 396.8 B77
Antiarrhythmic, Haemodynamic and metabolic effects of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in Greyhounds following acute coronary artery ligation. Marshall, R J; Parratt, J R *Br J Pharmacol* 55 (3): 359-368. Ref. Nov 1975

023321 396.8 B77
Atypical tryptamine receptors in sheep pulmonary vein. Eyre, P *Br J Pharmacol* 55 (3): 329-333. Ref. Nov 1975

023322 396.8 B77
Cardiovascular responses of the anaesthetized cat to lower body negative pressure. Birmingham, A T; Fentem, P H; Yates, D; Yates, J M *Br J Pharmacol* 55 (2): 246P. Oct 1975

023323 396.8 B77
Effect of amodiaquine on gastric histamine methyltransferase and on histamine-stimulated gastric secretion [Dogs, swine]. Barth, H; Lorenz, W; Troidl, H *Br J Pharmacol* 55 (3): 321-327. Ref. Nov 1975

023324 396.8 B77
Evidence for noradrenaline and adrenaline as sympathetic transmitters in the chicken. DeSantis, V P; Langsfeld, W; Lindmar, R; Loffelholz, K *Br J Pharmacol* 55 (3): 343-350. Ref. Nov 1975

023325 396.8 B77
Histamine receptors in peripheral vascular beds in the cat. Flynn, S B; Owen, D A A *Br J Pharmacol* 55 (2): 181-188. Ref. Oct 1975

023326 396.8 B77
Influence of etorphine acepromazine and diprenorphine on respiratory function in ponies. Hillidge, C J; Lees, P *Br J Pharmacol* 55 (2): 269P. Oct 1975

023327 396.8 B77
Membrane potential changes induced by 5-hydroxytryptamine in the rabbit superior cervical ganglion. Wallis, D I; Woodward, B *Br J Pharmacol* 55 (2): 199-212. Ref. Oct 1975

023328 396.8 B77
Prostaglandin release from cat and dog spleen. Bedwani, J R; Millar, G C *Br J Pharmacol* 54 (4): 499-505. Ref. Aug 1975

023329 396.8 B77
Release of prostaglandins in the knee joint of the dog during local Shwartzman-like reaction. Herman, A G *Br J Pharmacol* 55 (2): 241P-242P. Oct 1975

023330 396.8 B77
The effect of anoxia on the ventricular fibrillation threshold in the rabbit isolated heart. Murnaghan, M F *Br J Pharmacol* 54 (4): 413-420. Ref. Aug 1975

023331 396.8 B77
The effects of histamine and some histamine-like agonists on blood pressure in the cat. Owen, D A A *Br J Pharmacol* 55 (2): 173-179. Oct 1975

023332 396.8 B77
The effects of glucagon on the hepatic arterial vasculature of the dog: an inhibition of the effects of vasoconstrictor agents. Richardson, P D I; Withrington, P G *Br J Pharmacol* 55 (2): 272P-273P. Oct 1975

023333 396.8 B77
The effects of lysergic acid diethylamide on the response to field stimulaton of the rat vas deferens and the rat and cat anococcygeus muscles. Gillespie, J S; McGrath, J C *Br J Pharmacol* 54 (4): 481-488. Ref. Aug 1975

023334 396.8 B77
The role of H1 and H2-receptors in the coronary vascular response to histamine of isolated perfused hearts of guinea-pigs and rabbits. Broadley, K J *Br J Pharmacol* 54 (4): 511-521. Ref. Aug 1975

023335 396.8 B77
Vascular dopamine receptors in the canine hindlimb [Dogs]. Bell, C; Conway, E L; Lang, W J; Padanyi, R *Br J Pharmacol* 55 (2): 167-172. Ref. Oct 1975

023336 396.8 B77
Vasopressin release by nicotine: the site of action [Cats]. Bisset, G W; Feldberg, W; Guertzenstein, P G; Silva, M R E Jr *Br J Pharmacol* 54 (4): 463-474. Ref. Aug 1975

023337 47.8 B77
Day-length during rearing and the subsequent egg production of meat-strain pullets [Chickens]. Payne, C G *Br Poult Sci* 16 (6): 559-563. Nov 1975

023338 47.8 B77
Early body weight of five strains of White Leghorn [Chickens]. Gupta, N D; Johar, K S *Br Poult Sci* 16 (6): 593-598. Nov 1975

023339 47.8 B77
Effect of strain and age on the relationship of oviposition time to shell strength [Chickens]. Washburn, K W; Potts, P L *Br Poult Sci* 16 (6): 599-606. Nov 1975

023340 47.8 B77
Some factors influencing the feather-skin connection [Poultry]. Levinger, I M *Br Poult Sci* 16 (6): 553-557. Ref. Nov 1975

023341 47.8 B77
The effects on liver metabolism of administering excesses of biotin to immature pullets and laying hens. Balnave, D *Br Poult Sci* 16 (6): 641-643. Nov 1975

023342 41.8 V643
The mode of secretion of the sebaceous glands of cattle. Smith, M E; Jenkinson, D M *Br Vet J* 131 (5): 610-618. Ref. Sept/Oct 1975

023343 41.8 V643
The nursing and suckling behaviour of pigs. IV. The effect of interrupting the sucking stimulus. Fraser, D *Br Vet J* 131 (5): 549-559. Ref. Sept/Oct 1975

023344 41.8 V643
The relationship of rostral tooth development to age in a group of Aberdeen Angus cross Friesian steers. Andrews, A H *Br Vet J* 131 (5): 519-527. Sept/Oct 1975

023345 107.6 K114B
Absorption and distribution of 32P [phosphorus isotope]-labeled diisopropyl fluorophosphate in the laying hens. (Jpn) Ishiguro, S; Miyao, N *Bull Fac Agric Kagoshima Univ* 25: 43-50. Ref. Eng. Sum. Mar 1975

023346 107.6 K114B
On the fine structure of salivary glands of goat and dog. I. Parotid gland. (Jpn) Suzuki, S; Kamei, K; Otsuka, J *Bull Fac Agric Kagoshima Univ* 25: 25-41. Ref. Eng. Sum. Mar 1975

023347 505 P21 (3)
A study on electrical activity of medial basal cells in the hypothalamus of the ewe following intravenous administration of estrogen. (Fre) Thiery, J C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1119-1122. Eng. Sum. Oct 13, 1975

023348 505 P21 (3)
Amino acid composition of keratins of chimeric neoptile feathers resulting from heterospecific ecto-mesodermal recombinations between the chick and the duck. (Fre) Sengel, P; Dhouailly, D; Derminot, J; Tasdhomme, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 885-888. Eng. Sum. Sept 29, 1975

023349 505 P21 (3)
Autoradiographic demonstration of the innervation of the tooth and the parodont [Cats]. (Fre) Weill, R; Bensadoun, R; Tourniel, F de *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 647-650. Ref. Eng. Sum. Sept 8, 1975

023350 505 P21 (3)
Evidence for direct projections between the ponto-mesencephalic tegmentum and the visual cortex in the cat as revealed by the horseradish peroxidase technique. (Fre) Leger, L; Sakai, K; Touret, M; Salvert, D; Jouvet, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1159-1162. Eng. Sum. Oct 20, 1975

023351 505 P21 (3)
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and mammals [Chick, quail and mouse embryos]. (Fre) Dhouailly, D; Sengel, P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1007-1010. Eng. Sum. Oct 6, 1975

023352 505 P21 (3)
Mitochondrial reorganizaion following stimulation by HCG [human hchorionic gonadotropin] of testis Leydig cells from hypophysectomized pigs. (Fre) Chambon, M; Morat, M; Chevalier, M; Dufaure, J P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1011-1014. Eng. Sum. Oct 6, 1975

023353 505 P21 (3)
Postural adjustment associated with movement in the cat. (Fre) Regis, H; Trouche, E; Massion, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1115-1118. Eng. Sum. Oct 13, 1975

023354 QP88.C3
Ultrastructural observations of amorphous bone mineral in avian bone [Chickens, pigeons]. Miller, A L; Schraer, H *Calcif Tissue Res* 18 (4): 311-324. Ref. 1975

023355 470 C16E
Evidence for 16alpha-hydroxylation of estrone 3-sulphate by guinea pig liver slices. Hobkirk, R; Nilsen, M; Jennings, B *Can J Biochem* 53 (10): 1133-1135. Ref. Oct 1975

023356 470 C16E
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. Robinson, A R; Baker, S J; Common, R H *Can J Biochem* 53 (10): 1085-1088. Ref. Oct 1975

023357 448.8 C162
Gas metabolism in ovine rumen cultures on a nitrogen-deficient medium. Jones, G A; Taylor, A *Can J Microbiol* 21 (11): 1803-1806. Ref. Nov 1975

023358 QH581.A1Z4
Gomori-positive elementary granules in inner and outer layer of the infundibulum [Animals]. Brinkmann, H; Wittkowski, W; Bock, R *Cell Tissue Res* 163 (4): 503-508. Ref. 1975

023359 QH581.A1Z4
In vitro culture of the proximal tubule of the bovine nephron. Transmission and scanning electron microscopy. Cade-Treyer, D; Tsuji, S *Cell Tissue Res* 163 (1): 15-28. Ref. 1975

023360 QH581.A1Z4
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. Lauweryns, J M; Baert, J; Loecker, W de *Cell Tissue Res* 163 (2): 111-124. Ref. 1975

023361 QH581.A1Z4
Junctions in the central nervous system of the cat. IV. Interendothelial junctions of cerebral blood vessels from selected areas of the brain. Dermietzel, R *Cell Tissue Res* 164 (1): 45-62. Ref. 1975

023362 QH581.A1Z4
Junctions in the central nervous system of the cat. V. The junctional complex of the pia-arachnoid membrane. Dermietzel, R *Cell Tissue Res* 164 (3): 309-329. Ref. 1975

023363 QH581.A1Z4
Tanycyte absorption affected by the hypothalamic deafferentation in Japanese quail, Coturnix coturnix japonica. Nozaki, M *Cell Tissue Res* 163 (4): 433-443. Ref. 1975

023364 QH581.A1Z4
The composition and protein metabolism in the immature rabbit intervertebral disc. Ghosh, P; Taylor, T K F; Horsburgh, B A *Cell Tissue Res* 163 (2): 223-238. Ref. 1975

023365 QH581.A1Z4
The effect of cervical vagotomy (decentralization) on the ultrastructure of the carotid body of the duck, Anas platyrhynchos. Butler, P J; Osborne, M P *Cell Tissue Res* 163 (4): 491-502. Plates. Ref. 1975

023366 QH581.A1Z4
The surface fine structure of the bovine subcommissural organ. Lindberg, L A; Talanti, S *Cell Tissue Res* 163 (2): 125-132. Ref. 1975

023367 41.8 C33
Estimation of body weight in pure and crossbred Sinhala cattle using body measurements. Tilakaratne, N; Matsukawa, T; Buvanendran, V *Ceylon Vet J* 22 (3/4): 82-84. Sept/Dec 1974

023368 41.8 C33
Some studies on the production of goat kidney cortical cell monolayers. Fernando, W W H S; Mettananda, I *Ceylon Vet J* 22 (3/4): 69-76. Ref. Sept/Dec 1974

023369 QD241.K453
Fowl trypsin and chymotrypsin. Proskuryakov, M T *Chem Nat Compd* 10 (1): 58-60. Ref. Jan/Feb 1974 (Transl. 1975)

023370 QP456.C5
Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group II unit discharge [Taste]. Boudreau, J C; Anderson, W; Oravec, J *Chem Senses Flavor* 1 (4): 495-517. Ref. Oct 1975

023371 QP456.C5
Receptive fields of cat taste fibers. Oakley, B *Chem Senses Flavor* 1 (4): 431-442. Ref. Oct 1975

023372 QP456.C5
Scent-marking, dominance and flehmen behavior in domestic rabbits in an artificial laboratory territory. Black-Cleworth, P; Verberne, G *Chem Senses Flavor* 1 (4): 465-494. Ref. Oct 1975

023373 QR180.C5
The role of polymorphonuclear leucocytes in the autologous phase of nephrotoxic nephritis [Rabbits]. Naish, P F; Thomson, N M; Simpson, I J; Peters, D K *Clin Exp Immunol* 22 (1): 102-111. Ref. Oct 1975

023374 QP1.C55
Coronary reactive hyperaemia and coronary dilator action of adenosine during normal respiration and hypercapnic acidosis in the dog. Raberger, G; Schutz, W; Kraupp, O *Clin Exp Pharm Physiol* 2 (5): 373-382. Ref. Sept-/Oct 1975

023375 QP1.C6
A comparison of intestinal amino acid absorption in various avian and mammalian species. Lerner, J; Kratzer, F H *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 123-127. Ref. 1976

023376 QP1.C6
Changes in plasma glucose and liver glycogen following the administration of gluconeogenic precursors to the starving fowl [Chickens]. Davison, T F; Langslow, D R *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 645-649. Ref. Dec 1, 1975

023377 QP1.C6
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. Jammes, Y; Bouverot, P *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 635-637. Dec 1, 1975

023378 QP1.C6
Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion exchange chromatography. Isaacks, R E; Harkness, D R; Froeman, G A; Sussman, S A *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 95-99. Ref. 1976

023379 QP1.C6
Water balance of small lactating rodents. II. Concentration and composition of milk of females on ad libitum and restricted water intakes. Baverstock, P R; Spencer, L; Pollard, C *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 47-52. Ref. 1976

023380 QP1.C6
Water metabolism in the llama [and goat]. Rubsamen, K; Engelhardt, W von *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 595-598. Ref. Dec 1, 1975

023381 QP901.C6
Characteristics of the noradrenergic innervation of the left atrium in the chick (Gallus gallus domesticus, L.). Bennett, T; Malmfors, T *Comp Biochem & Physiol C, Comp Pharmacol* 52 (1): 47-49. Oct 1, 1975

023382 QP901.C6
The relative importance of monoamine oxidase and catechol-O-methyl transferase on the physiologic response to administered norepinephrine in the turkey. el Halawani, M E; Waibel, P E *Comp Biochem & Physiol C, Comp Pharmacol* 52 (1): 35-39. Ref. Oct 1, 1975

023383 442.8 D49
A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]-free salt solution. Orr, M F *Dev Biol* 47 (2): 325-340. Ref. Dec 1975

023384 442.8 D49
The behavior of fetal canine cardiac cells in culture: synthesis and phosphorylation of myosin. Andreasen, T; Castles, J J; Saito, W Y; Chacko, K; Fenner, C; Mason, D T; Wikman-Coffelt, J *Dev Biol* 47 (2): 366-375. Ref. Dec 1975

023385 QP351.D4
Light-dark discrimination and reversal learning in early postnatal kittens. Rose, G H; Collins, J P *Dev Psychobiol* 8 (6): 511-518. Ref. Nov 1975

023386 QP351.D4
Prehatch color stimulation effects on color pecking preferences and color discrimination learning in White Leghorn chicks. Fischer, G J; Davis, S J; Nord, J A *Dev Psychobiol* 8 (6): 525-531. Nov 1975

023387 QP351.D4
The development and modification of object preferences in domestic White Leghorn chicks. Einsiedel, A A Jr *Dev Psychobiol* 8 (6): 533-540. Ref. Nov 1975

023388 QP141.A1D5
Concentration and transport of different sugars in the lymph of the thoracic duct and in blood of the portal vein in dogs after enteral and parenteral administration. Seifert, J; Prols, H; Messmer, K; Bucklein, R; Lob, G; Mehnert, H; Brendel, W *Dig Int J Gastroenterol* 12 (4/6): 221-231. Ref. 1975

023389 TD1.E58
Metabolic behaviour of water-soluble fluorescent whitening agents in the rat and bean plant. Muecke, W; Dupuis, G; Esser, H O *Environ Qual Saf* 4 (Suppl.): 174-179. 1975

023390 SF955.E6
Neuroleptanalgesia and cardiovascular function in the horse. Lees, P; Hillidge, C J *Equine Vet J* 7 (4): 184-191. Ref. Oct 1975

023391 QP501.E8
Antigenic structure of the cyanogen bromide peptide F-CB3 from [bovine] fibrinogen alpha-chain. Lotter, H; Timpl, R *Eur J Biochem* 60 (1): 221-226. Ref. Dec 1975

023392 QP501.E8
Calcium-related changes of enzyme activities in energy metabolism of cultured embryonic chick myoblasts and myotubes. Schudt, C; Gaertner, U; Dolken, G; Pette, D *Eur J Biochem* 60 (2): 579-586. Ref. Dec 1975

023393 QP501.E8
Dihydrofolate reductase from bovine liver. Enzymatic and structural properties. Baumann, H; Wilson, K J *Eur J Biochem* 60 (1): 9-15. Ref. Dec 1975

023394 QP501.E8
On the control of arginine metabolism in chicken kidney and liver. Grazi, E; Magri, E; Balboni, G *Eur J Biochem* 60 (2): 431-436. Ref. Dec 1975

023395 QP501.E8
On the mechanism of ketogenesis and its control: purification, kinetic mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from Ox liver. Huth, W; Jonas, R; Wunderlich, I; Seubert, W *Eur J Biochem* 59 (2): 475-489. Ref. Nov 1975

023396 QP501.E8
Procollagen biosynthesis by embryonic-chick-bone polysomes. Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. Vuust, J *Eur J Biochem* 60 (1): 41-50. Ref. Dec 1975

023397 QR180.E87
A leukocyte migration inhibition assay technique using blood clot fragments in vitro [Guinea pigs, immunization]. Sandru, G *Europ J Immunol* 5 (10): 729-731. Oct 1975

023398 442.8 EX7
Characterization and localization of the RNA synthesized in mature avian erythrocytes [Chickens]. Zentgraf, H; Scheer, U; Franke, W W *Exp Cell Res* 96 (1): 81-95. Ref. Nov 1975

023399 442.8 EX7
Erythropoiesis in cultures of dispersed cell preparations from early chick blastodiscs. Wainwright, S D; Wainsright, L K *Exp Cell Res* 96 (2): 433-435. Dec 1975

023400 442.8 EX7
Hydroxyurea synchronization of bovine fetal spleen cells. Parris, D S; Bates, R C; Stout, E R *Exp Cell Res* 96 (2): 422-425. Ref. Dec 1975

023401 442.8 EX7
Selective inhibition of the facilitated mode of sugar uptake by cytochalasin B in cultured chick fibroblasts. Dolberg, D S; Bassham, J A; Bissell, M J *Exp Cell Res* 96 (1): 129-137. Ref. Nov 1975

023402 RB1.E9
Arterial elastic tissue and collagen in experimental poststenotic dilatation in dogs. Trillo, A; Haust, M D *Exp Mol Pathol* 23 (3): 473-490. Ref. Dec 1975

023403 RB1.E9
Effects of lipids on the stability of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. Kwak, Y S; Kim, D N; Lee, K T *Exp Mol Pathol* 23 (2): 266-275. Ref. Oct 1975

023404 RB1.E9
Rabbit aortic endothelial and medial histamine synthesis following short-term chloesterol feeding. Markle, R A; Hollis, T M *Exp Mol Pathol* 23 (3): 417-425. Ref. Dec 1975

023405 475 EX7
Acute effect of hypophysectomy on the natriuresis following saline infusion in dogs. Szalay, L; Bencsath, P; Takacs, L; Ponec, J; Lichardus, B *Experientia* 31 (11): 1298-1299. Nov 15, 1975

023406 475 EX7
Ammotragus lervia: progenitor of the domesticated sheep or specialized offshoot of caprine evolution? Manwell, C; Baker, C M A *Experientia* 31 (11): 1370-1371. Ref. Nov 15, 1975

023407 475 EX7
Development of longitudinal retraction of carotid arteries in neonatal dogs. Dobrin, P; Canfield, T; Sinha, S *Experientia* 31 (11): 1295-1296. Ref. Nov 15, 1975

023408 475 EX7
Effects of temperature on the responses to noradrenaline, isoprenaline and histamine on isolated rabbit mesenteric artery. Reinhardt, D; Wagner, J *Experientia* 31 (11): 1321-1322. Nov 15, 1975

023409 475 EX7
Evidence for direct projections from the hypothalamus to the lateral geniculate and occipital cortex of the cat as demonstrated by horseradish peroxidase technique. (Fre) Sakai, K; Leger, L; Salvert, D; Touret, M; Jouvet, M *Experientia* 31 (11): 1350-1352. Ref. Eng. Sum. Nov 15, 1975

023410 475 EX7
Hemodyamic and ventilatory effects of skin-cooling in cattle. McMurtry, I F; Reeves, J T; Will, D H; Grover, R F *Experientia* 31 (11): 1303-1304. Ref. Nov 15, 1975

023411 475 EX7
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase [adenosine triphosphatase] in cattle red cells. Schatzmann, H J; Scheidegger, H R *Experientia* 31 (11): 1260-1261. Nov 15, 1975

023412 475 EX7
The process of survival of denervated and freely autotransplantated skeletal muscle [Cats]. Schiaffino, S; Sjostrom, M; Thornell, L E; Nystrom, B; Hackelius, L *Experientia* 31 (11): 1328-1330. Ref. Nov 15, 1975

023413 442.9 F31P
Turnover of plasma oleic acid measured by radio-gas chromatography. Kuksis, A; Kovacevic, N; Lau, D; Vranic, M *Fed Proc Fed Am Soc Exp Biol* 34 (13): 2238-2241. Ref. Dec 1975

023414 444.8 G28
Comparative study of the occurrence of placental prolactin among mammals [Laboratory animals, sheep, swine]. Talamantes, F Jr *Gen & Comp Endocrinol* 27 (1): 115-121. Ref. Sept 1975

023415 444.8 G28
Effect of prolactin on thyroid function in Japanese quail (Coturnix coturnix japonica). Wada, M; Arimatsu, Y; Kobayashi, H *Gen & Comp Endocrinol* 27 (1): 28-33. Ref. Sept 1975

023416 444.8 G28
Gastrin activity along the gastrointestinal tracts of some ruminants and the donkey [Cattle, goats, sheep]. Olowo-okorun, M O *Gen & Comp Endocrinol* 27 (1): 111-114. Sept 1975

023417 444.8 G28
Mode of secretion of pineal melatonin in the chicken. Pang, S F; Ralph, C L *Gen & Comp Endocrinol* 27 (1): 125-128. Ref. Sept 1975

023418 444.8 G28
The response of chick embryos to exogenous parathyroid hormone. Narbaitz, R *Gen & Comp Endocrinol* 27 (1): 122-124. Sept 1975

023419 QC795.H4
Plutonium in mammals: influence of plutonium chemistry, route of administration, and physiological status of the animal on initial distribution and long-term metabolism. Durbin, P W *Health Phys* 29 (4): 495-510. Oct 1975

023420 384 H622
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. Sasse, D *Histochemie* 45 (3): 237-254. Ref. 1975

023421 384 H622
Histochemistry of the metanephors in the golden hamster. II. The adult ureter. Teutsch, H F *Histochemie* 45 (3): 227-235. Ref. 1975

023422 384 H622
The corpus luteum periodicum in the bitch: Histochemical and biochemical investigations during different phases of the cycle. Dreier, K H; Choi, H S; Hager, H *Histochemie* 45 (3): 191-201. Ref. 1975

023423 384 H622
The development of the guinea pig gallbladder epithelial cells. I. Light microscopical and carbohydrate-histochemical investigations. (Ger) Schiebler, T H; Lang, K; Wahlin, T *Histochemie* 45 (3): 177-190. Ref. Eng. Sum. 1975

023424 QR1.I53 1974
Development and ecological significance of the avian intestinal flora. Barnes, E M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 307-316. Ref. 1974 (Pub. 1975)

023425 QR1.I53 1974
Distribution and succession of the gastrointestinal microbiota in monogastric animals. Savage, D C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 317-326. 1974 (Pub. 1975)

023426 QR1.I53 1974
Relationship between bacteria and ciliate protozoa in the sheep rumen. Kurihara, Y; Takechi, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 229-238. 1974 (Pub. 1975)

023427 QR1.I53 1974
Rumen bacteria and their metabolic interactions. Bryant, M P; Wolin, M J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 297-306. Ref. 1974 (Pub. 1975)

023428 QR1.I53 1974
Studies on the techniques of fractionation of bacteria in rumen microbial ecosystem. Minato, H; Ueki, A; Suto, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 187-196. 1974 (Pub. 1975)

QD181.S4H6
Biological significance [of scandium]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 513-534. Ref. 1975

QD181.S4H6
[Scandium] occurrence in living systems [Plants, animals]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 497-512. Ref. 1975

023429 SF1.I4
A study on relationship of persistency [of the first lactation] with other first production traits in Indian water buffaloes. Dave, B K; Taylor, C M *Indian J Anim Health* 14 (1): 77-80. Ref. June 1975

023430 SF1.I4
Serum lipase in normal cattle. Ansari, A S; Mathur, P D; Dwarkanath, P K *Indian J Anim Health* 14 (1): 81-82. June 1975

023431 SF1.I4
Studies on the cultivation of buffalo kidney cells in tissue culture. Naithani, R C; Mehrotra, P N *Indian J Anim Health* 14 (1): 11-14. Ref. June 1975

023432 SF1.I4
Studies on the histological structures of the small intestine of Indian buffaloes (Bos bubalis). Barnwal, A K; Yadava, R C P *Indian J Anim Health* 14 (1): 19-23. Ref. June 1975

023433 SF1.I4
The status of loci of ossification and epiphyseal plates in the limb bones of neonatal crossbred (Banuur X Nali) sheep. Dhingra, L D *Indian J Anim Health* 14 (1): 1-4. Ref. June 1975

023434 SF1.I4
Total proteins and the electrophoretic pattern of serum protein in normal Rajasthani sheep. Ghosal, A K; Dwaraknath, P K; Jatkar, P R *Indian J Anim Health* 14 (1): 43-44. Ref. June 1975

023435 QP501.I48
Effect of modification of methionine side chains on the interaction properties of collagen [prepared from calf skin]. Joseph, K T; Venkatasubramanian, K; Kuhn, K *Indian J Biochem* 12 (2): 158-162. Ref. June 1975

023436 QP501.I48
Endogenous inhibitor of carboxypeptidase A from goat pancreas. Dua, R D; Bedi, G S; Dixit, A *Indian J Biochem* 12 (2): 86-88. June 1975

023437 QP501.I48
Endogenous inhibitor of carboxypeptidase A from goat pancreas. Dua, R D; Bedi, G S; Dixit, A *Indian J Biochem* 12 (2): 86-88. June 1975

023438 QP501.I48
Studies on phospholipases of chicken intestine. Lokesh, B R; Rao, A M; Murthy, S K *Indian J Biochem* 12 (2): 139-144. Ref. June 1975

023439 QP501.I48
Studies on phospholipases of chicken intestine. Lokesh, B R; Madhava Rao, A; Murthy, S K *Indian J Biochem* 12 (2): 139-144. Ref. June 1975

023440 SF481.I55
Maintenance of calcium and phosphorus levels in blood [Chickens]. Das, D R; Saikia, A *Indian Poult Rev* 6 (21): 773-777. Ref. June 16, 1975

023441 41.8 IN2
Distribution of blood glucose and cholesterol levels in White Leghorn birds in relation to age, sex and reproduction. Kumar, A; Rawat, J S *Indian Vet J* 52 (10): 775-778. Ref. Oct 1975

023442 41.8 IN2
Effect of ameliorating summer temperature stress on some blood constituents of Large White Yorkshire weaners [Sheep]. Singh, K; Joshi, B C; Bhattacharyya, N K *Indian Vet J* 52 (11): 840-843. Ref. Nov 1975

023443 41.8 IN2
Occurrence of Saccharomyces cerevisiae in the rumen of cow. Panjarathinam, R; Laxminarayana, H *Indian Vet J* 52 (10): 803-804. Oct 1975

023444 41.8 IN2
Prenatal development of the autonomic innervation to the pelvic viscera in ox (Bos taurus). Reddy, V K *Indian Vet J* 52 (10): 737-742. Ref. Oct 1975

023445 41.8 IN2
The milk production of native and crossbred sheep under semi-arid conditions. Sahani, M S; Uppal, P K; Sahni, K L *Indian Vet J* 52 (11): 832-836. Nov 1975

023446 41.8 IN2
Unusual anatomical disposition with supernumerary rib and anomalous vertebra in ox (Bos indicus). Pandit, R V; Bhamburkar, V R; Shingatgiri, R K *Indian Vet J* 52 (10): 743-746. Oct 1975

023447 QD415.A1I5
Comparative studies of cortisol complexes formed with cytosol proteins from embryonic chicken (Gallus domesticus) and adult rat (Rattus rattus) liver. Petrovic, J; Markovic, R *Int J Biochem* 6 (11): 783-788. Ref. Nov 1975

023448 QD415.A1I5
In vivo studies of the site of fatty acid synthesis in the rabbit. Leung, T T; Bauman, D E *Int J Biochem* 6 (11): 801-805. Ref. Nov 1975

023449 QD415.A1I5
Proteinuria in neonatal piglets after oral and intravenous administration of homologous colostrum and serum proteins. Bergelin, I S S; Karlsson, B W *Int J Biochem* 6 (11): 821-827. Ref. Nov 1975

023450 444.8 IN8
The effect of radiation on processing of nuclear RNA and chromatin ribonulcease activity in rat liver and thymus. Tokarskaya, V I; Skotnikova, O I; Umansky, S R *Int J Radiat Biol Relat Stud Phys Chem Med* 27 (6): 533-542. June 1975

023451 442.9 AK124
Carotene content in blood serum of young Arabian camels in ontogenesis. (Rus) Durdyev, B D; Kozlov, P V; Khangel'dyev, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 81-82. Ref. 1975

023452 10 J822
Fatty acid composition of adipose tissue of Jersey cattle during growth and development. Leat, W M F *J Agric Sci (Camb)* 85 (3): 551-558. Ref. Dec 1975

023453 10 J822
The chemical influence of the duodenal contents on the activity of the antrum and duodenum of sheep. Mostaghni, K; Howard, B R *J Agric Sci (Camb)* 85 (3): 541-549. Ref. Dec 1975

023454 49 J82
Effects of hemiacetal of chloral and starch on the performance of beef steers [Cattle metabolisms]. Cole, N A; McCroskey, J E *J Anim Sci* 41 (6): 1735-1741. Ref. Dec 1975

023455 49 J82
Histochemical and palatability properties of muscle longissimus from stress-resistant and stress-susceptible porcine animals. Andersen, L D; Parrish, F C; Topel, D G *J Anim Sci* 41 (6): 1600-1610. Ref. Dec 1975

023456 49 J82
Nucleosides and nucleotides of the cold acid-soluble portion of the blood of steers. Smith, R C; Sticker, C M *J Anim Sci* 41 (6): 1674-1678. Ref. Dec 1975

023457 49 J82
Response of ovine pancreatic amylase to elevated blood glucose [Sheep]. Call, J L; Mitchell, G E Jr; Little, C O *J Anim Sci* 41 (6): 1717-1721. Ref. Dec 1975

023458 447.8 J825
A technique for measurement of retrograde coronary blood flow in intact anesthetized dogs. Afonso, S; Friede, G L; Blau, F M; Bandow, G T; Rowe, G G *J Appl Physiol* 39 (5): 860-862. Nov 1975

023459 447.8 J825
An automatic, closed-circuit oxygen consumption apparatus for small animals. Stock, M J *J Appl Physiol* 39 (5): 849-850. Nov 1975

023460 447.8 J825
Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] sucrose, and 36Cl [chlorine isotope] in sheep lung. Selinger, S L; Bland, R D; Demling, R H; Staub, N C *J Appl Physiol* 39 (5): 773-779. Ref. Nov 1975

023461 447.8 J825
Dynamic stiffness profiles in the left ventricle [Dogs]. Kennish, A; Yellin, E; Frater, R W *J Appl Physiol* 39 (4): 665-671. Ref. Oct 1975

023462 447.8 J825
Effect of continuous positive-pressure ventilation (CPPV) on edema formation in dog lung. Caldini, P; Leith, J D; Brennan, M J *J Appl Physiol* 39 (4): 672-679. Ref. Oct 1975

023463 447.8 J825
Effects of hypoxic and CO [carbon monoxide] hypoxia on isolated hearts [Dogs]. Scharf, S M; Permutt, S; Bromberger-Barnea, B *J Appl Physiol* 39 (5): 752-758. Ref. Nov 1975

023464 447.8 J825
Local control of pulmonary resistance and lung compliance in the canine lung. Coon, R L; Rattenborg, C C; Kampine, J P *J Appl Physiol* 39 (4): 580-589. Ref. Oct 1975

023465 447.8 J825
Localization of the effective thermosensitive site in the preoptic region of the ox. Calvert, D T; Findlay, J D *J Appl Physiol* 39 (5): 702-706. Ref. Nov 1975

023466 447.8 J825
Modification of respiratory center output in the unanesthetized fetal sheep "in utero". Maloney, J E; Adamson, T M; Brodecky, V; Dowling, M H; Ritchie, B C *J Appl Physiol* 39 (4): 552-558. Ref. Oct 1975

023467 447.8 J825
Myocardial infarction in closed-chest dogs: a simplified method for production. Lappin, H A; Botvinick, E H; Parmley, W W; Tyberg, J V *J Appl Physiol* 39 (5): 831-833. Ref. Nov 1975

023468 447.8 J825
Properties of lung parenchyma in distortion [Dogs]. Hoppin, F G Jr; Lee, G C; Dawson, S V *J Appl Physiol* 39 (5): 742-751. Ref. Nov 1975

023469 447.8 J825
Rapid estimation of pulmonary extravascular water with an instream catheter [Dogs]. Anderson, W P; Dunegan, L J; Knight, D C; Fitzpatrick, G F; O'Connor, N E; Morgan, A P *J Appl Physiol* 39 (5): 843-845. Nov 1975

023470 447.8 J825
Residual levels and biochemical changes after ventilation with perfluorinated liquid [Dogs]. Calderwood, H W; Ruiz, B C; Tham, M K; Modell, J H; Saga, S A; Hood, C I *J Appl Physiol* 39 (4): 603-607. Ref. Oct 1975

023471 447.8 J825
Respiratory sinus arrhythmia: noninvasive measure of parasympathetic cardiac control [Dogs]. Katona, P G; Jih, F *J Appl Physiol* 39 (5): 801-805. Ref. Nov 1975

023472 447.8 J825
Simultaneous counting of 85Kr [kypton isotope] in lung and myocardium during measurement of coronary blood flow [Dogs]. Belloni, F L; Mohrman, D E; Sparks, H V *J Appl Physiol* 39 (5): 788-795. Ref. Nov 1975

023473 447.8 J825
Slow respiratory stimulant effect of hyperoxia in chemodenervated decerebrate cats. Rosenstein, R; McCarthy, L E; Borison, H L *J Appl Physiol* 39 (5): 767-772. Ref. Nov 1975

023474 447.8 J825
Suturable gastrointestinal cannulas for animals of various sizes [Rabbits, rats, dogs]. Cramer, C F; Couch, R *J Appl Physiol* 39 (5): 846-848. Nov 1975

023475 447.8 J825
Using body size to understand the structural design of animals: quadrupedal locomotion [Mice, horses]. McMahon, T A *J Appl Physiol* 39 (4): 619-627. Ref. Oct 1975

023476 381 J824
Amino acid transport by aggregates of cultured chicken heart cells: Effect of insulin. Elsas, L J; Wheeler, F B; Danner, D J; DeHaan, R L *J Biol Chem* 250 (24): 9381-9390. Ref. Dec 25, 1975

023477 381 J824
Arrangement of the subunits in solubilized and membrane-bound cytochrome c oxidase from bovine heart. Eytan, G D; Carroll, R C; Schatz, G; Racker, E *J Biol Chem* 250 (22): 8598-8603. Ref. Nov 25, 1975

023478 381 J824
Chicken glucagon: Isolation and amino acid sequence studies. Pollock, H G; Kimmel, J R *J Biol Chem* 250 (24): 9377-9380. Ref. Dec 25, 1975

023479 381 J824
Decarboxylation of oxalacetate to pyruvate by purified avian liver phosphoenolpyruvate carboxykinase. Noce, P S; Utter, M F *J Biol Chem* 250 (23): 9099-9105. Ref. Dec 10, 1975

023480 381 J824
Effects by heme, insulin, and serum albumin on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. Granick, S; Sinclair, P; Sassa, S; Grieninger, G *J Biol Chem* 250 (24): 9215-9225. Ref. Dec 25, 1975

023481 381 J824
Identification of an essential lysine in porcine heart mitochondrial malate dehydrogenase. Wimmer, M J; Harrison, J H *J Biol Chem* 250 (22): 8768-8773. Ref. Nov 25, 1975

023482 381 J824
Interaction of vinblastine with calf brain microtubule protein. Lee, J C; Harrison, D; Timasheff, S N *J Biol Chem* 250 (24): 9276-9282. Ref. Dec 25, 1975

023483 381 J824
Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. Djavadi-Ohaniance, L; Hatefi, Y *J Biol Chem* 250 (24): 9397-9403. Ref. Dec 25, 1975

023484 381 J824
Proteins of the periodontium: Identification of collagens with the [alpha1(I)]2alpha 2 and [alpha(III)]3 structures in bovine periodontal ligament. Butler, W T; Birkedal-Hansen, H; Beegle, W F; Taylor, R E; Chung, E *J Biol Chem* 250 (23): 8907-8912. Ref. Dec 10, 1975

023485 381 J824
Purification and physical properties of homogeneous initiation factor MP from rabbit reticulocytes. Safer, B; Anderson, W F; Merrick, W C *J Biol Chem* 250 (23): 9067-9075. Ref. Dec 10, 1975

023486 381 J824
Refolding of reduced, denatured [bovine] trypsinogen and trypsin immobilized on agarose beads. Sinha, N K; Light, A *J Biol Chem* 250 (22): 8624-8629. Ref. Nov 25, 1975

023487 381 J824
Regulation of hepatic gluconeogenesis in the guinea pig by fatty acids and ammonia. Jomain-Baum, M; Hanson, R W *J Biol Chem* 250 (23): 8978-8985. Ref. Dec 10, 1975

023488 381 J824
Regulation of in vitro mRNA transcription by a fraction of chromosmal proteins [Chickens]. Chiu, J F; Tsai, Y H; Sakuma, K; Hnilica, L S *J Biol Chem* 250 (24): 9431-9433. Ref. Dec 25, 1975

023489 381 J824
Structural studies on rabbit muscle glycogen synthase. I. Subunit composition. Takeda, Y; Brewer, H B Jr; Larner, J *J Biol Chem* 250 (23): 8943-8950. Ref. Dec 10, 1975

023490 381 J824
Structural studies on rabbit muscle glycogen synthase. II. Limited proteolysis. Takeda, Y; Larner, J *J Biol Chem* 250 (23): 8951-8956. Ref. Dec 10, 1975

023491 381 J824
Vitellogenin synthesis in the avian liver: vitellogenin in the precursor of the egg yolk phosphoproteins. Deeley, R G; Mullinix, K P; Wetekam, W; Kronenberg, H M; Meyers, M *J Biol Chem* 250 (23): 9060-9066. Ref. Dec 10, 1975

023492 442.8 J828
Compositional studies of myofibrils from a rabbit striated muscle. Etlinger, J D; Zak, R; Fischman, D A *J Cell Biol* 68 (1): 123-141. Ref. Jan 1976

023493 442.8 J828
Differential effect of hormones on macromolecular synthesis and mitosis in chick embryo cells. Baseman, J B; Hayes, N S *J Cell Biol* 67 (2): 492-498. Ref. Nov 1975

023494 442.8 J828
Intercellular adhesive selectivity. I. An improved assay for the measurement of embryonic chick intercellular adhesion (liver and other tissues). McQuire, E J; Burdick, C L *J Cell Biol* 68 (1): 80-89. Ref. Jan 1976

023495 442.8 J828
Intercellular adhesive selectivity. II. Properties of embryonic chick liver cell-cell adhesion. McQuire, E J *J Cell Biol* 68 (1): 90-100. Ref. Jan 1976

023496 442.8 J828
Mobility of normal and virus-transformed cells in cellular aggregates [Chick embryos]. Gershman, H; Drumm, J *J Cell Biol* 67 (2): 419-435. Ref. Nov 1975

023497 442.8 J828
Organization of an actin filament-membrane complex. Filament polarity and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. Mooseker, M S; Tilney, L G *J Cell Biol* 67 (3): 725-743. Ref. Dec 1975

023498 442.8 J828
Synthesis of myosin heavy and light chains in muscle cultures [Chick embryos]. Chi, J C H; Rubinstein, N; Strahs, K; Holtzer, H *J Cell Biol* 67 (3): 523,537. Ref. Dec 1975

023499 442.8 J828
The behavior of fibroblasts from the developing avian cornea. Morphology and movement in situ and in vitro [Chick embryos]. Bard, J B L; Hay, E D *J Cell Biol* 67 (2): 400-418. Ref. Nov 1975

023500 442.8 J828
Transfer of proteins across membranes. II. Reconstitution of functional rough microsomes from heterologous components [Dog pancreas]. Blobel, G; Dobberstein, B *J Cell Biol* 67 (3): 852-862. Dec 1975

023501 QH301.J6
Calcium distribution in islets of Langerhans: a study of calcium concentrations and of calcium accumulation in B cell organelles [Rats]. Howell, S L; Montague, W; Tyhurst, M *J Cell Sci* 19 (2): 395-409. Ref. Nov 1975

023502 QH301.J6
Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic chick neural retina cells. McDonough, J; Lilien, J *J Cell Sci* 19 (2): 357-368. Ref. Nov 1975

023503 QH301.J6
The localization of retinol-binding protein in rat liver by immunofluorescence microscopy. Poole, A R; Dingle, J T; Mallia, A K; Goodman, D S *J Cell Sci* 19 (2): 379-394. Nov 1975

023504 QD241.C5
[A-21-D-asparagine] sheep insulin, a diastereoisomer of the natural hormone. Cosmatos, A; Johnston, S; Breier, B; Katsoyannis, P G *J Chem Soc, Perkin Trans I* 21: 2157-2163. 1975

023505 475 J824
A convenient biological synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. Kautsky, M P; Thurman, G W; Hagerman, D D *J Chromatogr* 114 (2): 473-475. Ref. Nov 26, 1975

023506 44.8 J822
Digestibility and volatile fatty acids in steers and wethers at 21 and 32 Celsius ambient temperature. Lippke, H *J Dairy Sci* 58 (12): 1860-1864. Ref. Dec 1975

023507 44.8 J822
Erythrocyte gamma-aminolevulinic acid dehydrase changes in the preruminant calf. Lynch, G P; Jackson, E D; Smith, D F *J Dairy Sci* 58 (12): 1907-1909. Ref. Dec 1975

023508 44.8 J822
In vitro and mouse evaluation of methods for protecting whey protein and casein from ruminal degradation. Rodriguez, D; Muller, L D; Schingoethe, D J *J Dairy Sci* 58 (12): 1841-1846. Ref. Dec 1975

023509 44.8 J822
Metabolism of arginine and ornithine in the cow and rabbit mammary tissue. Clark, J H; Derrig, R G; Davis, C L; Spires, H R *J Dairy Sci* 58 (12): 1808-1813. Ref. Dec 1975

023510 44.8 J822
Milk secretory response of the conscious lactating rat following intravenous injections of rat prolactin. Grosvenor, C E; Whitworth, N; Mena, F *J Dairy Sci* 58 (12): 1803-1807. Ref. Dec 1975

023511 44.8 J822
Nonequilibration of acetyl units from fatty acids and glucose in mammary glands of lactating mice. Rao, G A; Abraham, S *J Dairy Sci* 58 (12): 1799-1802. Ref. Dec 1975

023512 448.8 J8293
A comparison of variations in plasma luteinizing hormone concentrations in male and female domestic chickens (Gallus domesticus) from hatch to sexual maturity. Sharp, P J *J Endocrinol* 67 (2): 211-223. Ref. Nov 1975

023513 448.8 J8293
Changes in milk composition during lactation in the guinea-pig, and the effect of prolactin. Peaker, M; Jones, C D R; Goode, J A; Linzell, J L *J Endocrinol* 67 (2): 307-308. Ref. Nov 1975

023514 448.8 J8293
Comparison of intra-uterine metabolism of prostaglandin F2alpha in ovine and human pregnancy. Keirse, M J N C; Hicks, B R; Turnbull, A C *J Endocrinol* 67 (2): 24P-25P. Nov 1975

023515 448.8 J8293
Effects of bromocriptine on milk secretion in the rabbit. Taylor, J C; Peaker, M *J Endocrinol* 67 (2): 313-314. Nov 1975

023516 448.8 J8293
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo periodically induced testicular growth and maturation. Follett, B K *J Endocrinol* 67 (2): 19P-20P. Nov 1975

023517 448.8 J8293
How is luteinizing hormone released in response to electrochemical stimulation of the hypothalamus? [Rats]. Dyer, R G *J Endocrinol* 67 (2): 36P. Nov 1975

023518 448.8 J8293
Influence of urethane and pentobarbitone on stimulus secretion coupling in the neurohypophysis [Rats]. Dyball, R E J *J Endocrinol* 67 (2): 34P-35P. Nov 1975

023519 448.8 J8293
Milk ejection in the rat: reversible blockade of hypothalamo-neurohypophysial and sympathetico-adrenal pathways by radiofrequency currents. Wakerley, J B; Cross, B A *J Endocrinol* 67 (2): 31P-32P. Nov 1975

023520 448.8 J8293
Renal responses of the hypophysectomized rat to infusions of bovine growth hormone. Henderson, I W; Balment, R J *J Endocrinol* 67 (2): 60P-61P. Nov 1975

023521 448.8 J8293
Specific release of bovine neurophysin II during arterial or venous haemorrhage in the cow. Legros, J J; Reynaert, R; Peeters, G *J Endocrinol* 67 (2): 297-302. Ref. Nov 1975

023522 448.8 J8293
Studies on the receptors to the odoriferous steroid, 5alphaandrost-16-en-3-one, in sow nasal epithelium. Gennings, J N; Gower, D B; Bannister, L H *J Endocrinol* 67 (2): 47P-48P. Nov 1975

023523 448.8 J8293
Variations in the levels of follicle-stimulating hormone in the circulation of birds, a determined by homologous radioimmunoassay. Godden, P M M; Scanes, C G; Sharp, P J *J Endocrinol* 67 (2): 20P-21P. Nov 1975

023524 QP1.J725
Vocal reactions of chickens to different parameters of electrical stimulation of midbrain. Vasilevskii, N N; Shlyafer, T P; Tel', E Z *J Evol Biochem Physiol* 11 (1): 62-66. Ref. Jan/Feb 1975

023525 41.9 AN4D
Comparative macro-anatomic and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the ox (Bos taurus) [Eyelids]. (Tur) Tasbas, M *J Fac Vet Med* 21 (3/4): 401-417. Ref. Eng. Sum. 1974 (Pub. 1975)

023526 389.8 F7322
Utilization of lutein and lutein-fatty acid esters by laying hens. Philip, T; Weber, C W; Berry, J W *J Food Sci* 41 (1): 23-25. Ref. Jan/Feb 1976

023527 447.8 J822
Effect of cross-reinnervation on physiological parameters and on properties of myosin and sarcoplasmic reticulum of fast and slow muscles of the rabbit. Sreter, F A; Luff, A R; Gergely, J *J Gen Physiol* 66 (6): 811-821. Ref. Dec 1975

023528 381 J8222
The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films containing condensed or swollenchicken erythrocyte nuclei. Duijndam, W A L; Duijn, P van *J Histochem Cytochem* 23 (12): 891-900. Ref. Dec 1975

023529 440.9 R81J
A comparative study in the transmission electron microscope and scanning electron microscope of intracellular structures in sheep heart muscle cells. Myklebust, R; Dalen, H; Saetersdal, T S *J Microsc* 105 (1): 57-65. Ref. Sept 1975

023530 440.9 R81J
The avian erythrocyte: a study of fixation for electron microscopy. Brown, J N *J Microsc* 104 (3): 293-305. Ref. Aug 1975

023531 QH201.J6
Biological microanalysis using EMMA-4 [Dogs]. Peters, P D *J Microsc Biol Cell* 22 (2/3): 449-452. Mar/Apr 1975

023532 QH201.J6
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the intracellular transit and excretion of milk proteins. Autoradiographic study in the. (Fre) Ollivier-Bousquet, M; Denamur, R *J Microsc Biol Cell* 23 (1): 63-82. Ref. Eng. Sum. June 1975

023533 442.8 J8224
Electrostatic side chain complementarity in [steerskin] collagen fibrils. Li, S T; Golub, E; Katz, E P *J Mol Biol* 98 (4): 835-839. Ref. Nov 15, 1975

023534 442.8 J8224
The refined crystal structure of bovine betatrypsin at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. Fehlhammer, H; Bode, W *J Mol Biol* 98 (4): 683-692. Ref. Nov 15, 1975

023535 442.8 J8224
The refined crystal structure of bovine betatrypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. Bode, W; Schwager, P *J Mol Biol* 98 (4): 693-717. Ref. Nov 15, 1975

023536 389.8 J82
Labile nitrogen reserves in the ruminant. Metabolic changesin growing cattle employing a nitrogen depletion-repletion treatment. Biddle, C N; Evans, J L; Trout, J R *J Nutr* 105 (12): 1578-1583. Ref. Dec 1975

023537 389.8 J82
Labile nitrogen reserves and plasma nitrogen fractions in growing cattle. Biddle, G N; Evans, J L; Trout, J R *J Nutr* 105 (12): 1584-1591. Ref. Dec 1975

023538 389.8 J82
Nickel deficiency and nickel-rhodiuminteraction in chicks. Nielsen, F H; Myron, D R; Givand, S H; Ollerich, D A *J Nutr* 105 (12): 1607-1619. Ref. Dec 1975

023539 389.8 J82
Stomach and upper intestine of the rat in the regulation of food intake. Lepkovsky, S; Dimick, M K; Furuta, F; Feldman, S E; Park, R *J Nutr* 105 (12): 1491-1499. Ref. Dec 1975

023540 389.8 J82
Utilization of amino acids administered enterally or parenterally to young pigs. Keith, M O; Peace, R W; Botting, H G; Hamilton, E J *J Nutr* 105 (12): 1535-1543. Ref. Dec 1975

023541 389.8 J82
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the gastrointestinal tract of the chicken. Sklan, D; Dubrov, D; Eisner, U; Hurwitz, S *J Nutr* 105 (12): 1549-1552. Ref. Dec 1975

023542 396.9 P49
The action of fluoride on the calcium pretreated blood [Rabbits]. (Jpn) Fujimoto, T; Okuda, H *J Pharm Soc Jap* 95 (9): 1119-1123. Ref. Eng. Sum. Sept 1975

023543 447.8 J82
ACTH [adrenocorticotropic hormone] and the induction of parturition in sheep. Johnson, P; Jones, C T; Kendall, J Z; Ritchie, J W K; Thorburn, G D *J Physiol* 252 (2): 64P-66P. Nov 1975

023544 447.8 J82
An alkyl etherase in rat liver. Peters, R A; Shorthouse, M *J Physiol* 252 (2): 537-545. Ref. Nov 1975

023545 447.8 J82
Avian febrile response [pigeons]. D'Alecy, L G; Kluger, M J *J Physiol* 253 (1): 223-232. Dec 1975

023546 447.8 J82
Backward placing in intact kittens and adult cats. Amassian, V E *J Physiol* 252 (2): 26P-27P. Nov 1975

023547 447.8 J82
Cardiovascular and endocrine responses to feeding in the young calf. Bloom, S R; Edwards, A V; Hardy, R N; Malinowska, K; Silver, M *J Physiol* 253 (1): 135-155. Ref. Dec 1975

023548 447.8 J82
Correlation between ultrastructure and histochemistry of mammalian intrafusal muscle fibres [Cats, rabbits, rats]. Banks, R W; Barker, D; Harker, D W; Stacey, M J *J Physiol* 252 (2): 16P-17P. Nov 1975

023549 447.8 J82
Determination of the quantitative relationship between time varying work load and aortic blood flow and heart rate in the dog. Elzinga, G; Versteeg, P G A; Westerhof, N *J Physiol* 252 (2): 13P-14P. Nov 1975

023550 447.8 J82
Inhibition of thermal tachypnoea in rabbits following exposure to cold and water deprivation. Maskrey, M; Nicol, S C *J Physiol* 252 (2): 481-490. Ref. Nov 1975

023551 447.8 J82
Osmoreception and thirst in the dog. Ramsay, D J; Rolls, B J; Wood, R J *J Physiol* 252 (2): 55P-56P. Nov 1975

023552 447.8 J82
Post-natal developmental changes in the length-tension relationship of cat papillary muscles. Davies, P; Dewar, J; Tynan, M; Ward, R *J Physiol* 253 (1): 95-102. Ref. Dec 1975

023553 447.8 J82
Sympathetic and sympathomimetic stimulation of parotid salivary secretion in sheep. Patterson, J; Titchen, D A *J Physiol* 252 (2): 58P-59P. Nov 1975

023554 447.8 J82
The effects of fusimotor stimulation during small amplitude stretching on the frequency-response of the primary ending of the mammalian muscle spindle [Cats]. Goodwin, G M; Hulliger, M; Matthews, P B C *J Physiol* 253 (1): 175-206. Ref. Dec 1975

023555 447.8 J82
The in vivo metabolism of [14C [carbon isotope]] histamine during pentagastrin-stimulated acid secretion in the cat. Bunce, K T; Lake, H J *J Physiol* 252 (2): 75P-76P. Nov 1975

023556 447.8 J82
The release of pancreatic glucagon and inhibition of insulin in response to stimulation of the sympathetic innervation [Dogs, cats, sheep]. Bloom, S R; Edwards, A V *J Physiol* 253 (1): 157-173. Ref. Dec 1975

023557 447.8 J82
Two phases of chorda-lingual induced vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. Poulsen, J H *J Physiol* 253 (1): 79-94. Ref. Dec 1975

023558 447.8 J823
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in protein and nucleic acids contents of the rat liver. (Fre) Pipy, B; Gaillard, D; Derache, R *J Physiol (Paris)* 70 (3): 287-297. Ref. Eng. Sum. 1975

023559 447.8 J823
Total cardiopulmonary bypass in the rabbit. Techniques and action of pulsatile perfusion pressure frequency on the hemodynamic parameters. (Fre) Chevalier-Cholat, A M; Friggi, A; Torresani, J *J Physiol (Paris)* 70 (3): 339-350. Ref. Eng. Sum. 1975

023560 41.8 SO8
Carbohydrate digestion and absorption in the equine small intestine [Horses]. Roberts, M C *J S Afr Vet Assoc* 46 (1): 19-27. Ref. Mar 1975

023561 41.8 SO8
Digestive physiology of the horse. Hintz, H F *J S Afr Vet Assoc* 46 (1): 13-17. Ref. Mar 1975

023562 41.8 SO8
Functional anatomy and nervous control of the equine alimentary tract [Horses]. De Boom, H P A *J S Afr Vet Assoc* 46 (1): 5-11. Ref. Mar 1975

023563 41.8 SO8
Histological development of the thymic and intestinal lymphoid tissue of the horse. MacKenzie, C D *J S Afr Vet Assoc* 46 (1): 47-55. Ref. Mar 1975

023564 41.8 SO8
Intestinal absorption of calcium and phosphorus by horses. Schryver, H F *J S Afr Vet Assoc* 46 (1): 39-45. Ref. Mar 1975

023565 SF1.K3
Alterations of serum progesterone level in pregnant and nonpregnant mares. (Jpn) Sato, K; Miyake, M; Yoshikawa, T; Kambegawa, A *Jap J Anim Reprod* 21 (3): 113-115. Eng. Sum. Nov 1975

023566 SF1.K3
Radioimmunoassay for bovine plasma 4-androstenedione and result obtained at the time of pregnancy, parturition, and postpartum. (Jpn) Torii, R; Nakama, S; Yanagiya, G; Shimizu, R; Imori, T *Jap J Anim Reprod* 21 (3): 106-112. Ref. Eng. Sum. Nov 1975

023567 41.8 J27
Intrinsic innervation of isolated smooth muscle of ruminant forestomach. (Jpn) Tanceike, T; Ohga, A *Jap J Vet Sci* 37 (3): 301-311. Ref. Eng. Sum. June 1975

023568 41.8 J27
Juxtaglomerular cell granules in the developmental mesonephros and metanephros of swine embryos. Matsuhashi, H; Nishida, T; Mochizuki, K *Jap J Vet Sci* 37 (3): 261-269. Plates. Ref. June 1975

023569 41.8 J27
Morphological study of the kidney in the fowl. II. Renal portal and venous systems. (Jpn) Kurihara, S; Yasuda, M *Jap J Vet Sci* 37 (4): 363-377. Plates. Ref. Eng. Sum. Aug 1975

023570 41.8 J27
Quantitative aspect of the endogenous urea cycle in goats [Metabolism]. Ide, Y *Jap J Vet Sci* 37 (4): 327-333. Ref. Aug 1975

023571 41.8 J27
Structure and development of the perianal gland of the dog. Maita, K; Ishida, K *Jap J Vet Sci* 37 (4): 349-356. Ref. Aug 1975

023572 49 N62
Changes in fatty acid and triglyceride compositions of porcine tissue lipids associated with growth of pigs. (Jpn) Ohtake, Y; Hoshino, Y; Aoki, T; Ohgane, T; Ohnuki, M; Fukumori, Y *Jap J Zootech Sci* 46 (8): 460-468. Ref. Eng. Sum. Aug 1975

023573 49 N62
Effect of intravenous infusion of artificial saliva on changes in acid-base status of sheep during eating. (Jpn) Sasaki, Y; Watanabe, S; Satoh, Y; Kato, S *Jap J Zootech Sci* 46 (8): 449-453. Ref. Eng. Sum. Aug 1975

023574 49 N62
Effect of ribose and ribose-5-phosphate on uric acid synthesis in the chicken. Karasawa, Y; Tasaki, I *Jap J Zootech Sci* 46 (8): 495-497. Ref. Aug 1975

023575 49 N62
Relationships between the wave form of ECG [electrocardiogram] and the morphological properties of the heart in the developing chick embryo. (Jpn) Matsui, K; Hirose, H; Sawazaki, H *Jap J Zootech Sci* 46 (9): 522-530. Ref. Eng. Sum. Sept 1975

023576 49 N62
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle fed beet pulp. (Jpn) Ohara, M; Kimura, N; Miyashita, Y *Jap J Zootech Sci* 46 (8): 454-459. Eng. Sum. Aug 1975

023577 49 N62
The pH [hydrogen-ion concentration] of cecal secreta in chickens. Nakahiro, Y; Isshiki, Y *Jap J Zootech Sci* 46 (8): 493-494. Aug 1975

023578 QL55.A1L3
Phase maps for particles and microorganisms in animal quarters [for physiological parameters]. Weihe, W H *Lab Anim* 9 (4): 353-365. Ref. Oct 1975

023579 QL55.A1L3
The Mongolian gerbil: qualitative and quantitative aspects of the cellular blood picture [Laboratory animals]. Dillon, W G; Glomski, C A *Lab Anim* 9 (4): 283-287. Oct 1975

023580 QL55.A1L3
The use of the pig as an aimal model to study problems associated with low birthweight. Cooper, J E *Lab Anim* 9 (4): 329-336. Ref. Oct 1975

023581 QL55.A1L3
X-ray enlargement modified for use in experimental animal science. Freyscmidt, J; Reznik, G; Reznik-Schuller, H; Eckel, H; Rippel, W *Lab Anim* 9 (4): 305-311. Oct 1975

023582 442.8 L62
Demonstration of immunoreactive retinol-binding protein and prealbumin in developing chicken embryo. Abe, T; Muto, Y; Hosoya, N *Life Sci* 17 (10): 1579-1587. Ref. Nov 15, 1975

023583 442.8 L62
Prostaglandin synthesis in rabbit renal medulla. Frolich, J C; Sweetman, B J; Carr, K; Oates, J A *Life Sci* 17 (7): 1105-1112. Ref. Oct 1, 1975

023584 QP751.L5
Distribution of cholesteryl esters and other lipids in subcellular fractions of the adrenal gland of the pig. Cmelik, S H W; Ley, H *Lipids* 10 (11): 707-713. Ref. Nov 1975

023585 QP751.L5
Synthesis of cholesterol esters in the plasma and liver of sheep. Noble, R C; Crouchman, M L; Moore, J H *Lipids* 10 (12): 790-799. Ref. Dec 1975

023586 SF1.L5
Effects of temperature and level of feeding during rearing on carcass and reproductive traits in pigs. Fahmy, M H *Livest Prod Sci* 2 (3): 247-259. Ref. Sept 1975

023587 SF221.M5
Behavior adaptation of dairy cattle in various free stall systems. (Ger) Suss, M *Milch Prax Rindermast* 13 (4/5): 46-48. Nov 1975

023588 44.8 M5933
In vivo modification of milk fat and body fat composition in ruminants; a review. Keen, R M; Kroger, M *Milchwissenschaft* 30 (9): 532-536. Ref. Eng. Sum. Sept 1975

023589 QD501.M63
Aspects of ketogenesis: control and mechanism of ketone-body formation in isolated rat-liver mitochondria. Lopes-Cardozo, M; Mulder, I; Vugt, F van; Hermans, P G C; Bergh, S G van den; Klazinga, W; Vries-Akkerman, E de *Mol Cell Biochem* 9 (3): 155-173. Ref. Dec 31, 1975

514 N482
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and urine of sheep and cattle. Manley, T R; Stewart, D J; White, D A; Harrison, D L *N Z J Sci* 18 (3): 433-440. Map. Ref. Sep 1975

023590 472 N21
Control of growth of mammalian cells in cell culture. Holley, R W *Nature* 258 (5535): 487-490. Ref. Dec 11, 1975

023591 472 N21
Electrical behaviour of inner and outer smooth muscle of sheep carotid artery. Mekata, F; Keatinge, W R *Nature* 258 (5535): 534-535. Dec 11, 1975

023592 448.8 AR2
Characterisation of the adrenoceptor mediating changes in cyclic adenosine 3'-5' monophosphate in chick cerebral hemispheres. Nahorski, S R; Rogers, K J; Smith, B M; Anson, J *Naunyn Schmiedbergs Arch Pharmakol* 291 (1): 101-110. Ref. 1975

023593 448.8 AR2
Effect of depolarizing agents on the adenosine-3'5'-monophosphate content of the bovine superior cervical ganglion. Kalix, P; Roch, P *Naunyn Schmiedbergs Arch Pharmakol* 291 (2): 131-137. Ref. 1975

023594 448.8 AR2
Histamine receptors in the vasculature of the rabbit ear. Ercan, Z S; Turker, R K *Naunyn Schmiedbergs Arch Pharmakol* 291 (1): 23-29. Ref. 1975

023595 448.8 AR2
Muscarinic inhibition of potassium-induced noradrenaline release and its dependence on the calcium concentration [Rabbits]. Dubey, M P; Muscholl, E; Pfeiffer, A *Naunyn Schmiedbergs Arch Pharmakol* 291 (1): 1-15. Ref. 1975

023596 448.8 AR2
Norepinephrine release from nerve terminals within the rabbit superior cervical ganglion. Noon, J P; McAfee, D A; Roth, R H *Naunyn Schmiedbergs Arch Pharmakol* 291 (2): 139-162. Ref. 1975

023597 448.8 AR2
Relative pre- and postsynaptic potencies of alpha-adrenoceptor agonists in the rabbit pulmonary artery. Starke, K; Endo, T; Taube, H D *Naunyn Schmiedbergs Arch Pharmakol* 291 (1): 55-78. Ref. 1975

023598 448.8 AR2
Some physiological and pharmalogical characteristics of the stimulus induced release of norepinephrine from the rabbit superior cervical ganglion. Noon, J P; Roth, R H *Naunyn Schmiedbergs Arch Pharmakol* 291 (2): 163-174. Ref. 1975

023599 QP187.A1N4
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. Malven, P V *Neuroendocrinology* 19 (1): 81-90. Ref. 1975

023600 QD341.A2N8
Alterations of DNA-dependent DNA polymerase activities in the immature quail oviduct in response to estrogen stimulation. Rohde, H J; Muller, W E G; Zahn, R K *Nucleic Acids Res* 2 (11): 2101-2109. Ref. Nov 1975

023601 RM214.N8
Experimental studies on the absorption of zinc from different parts of the small intestine and various Zn compounds [Rats, metabolism]. (Ger) Schwarz, F J; Kirchgessner, M *Nutr Metab* 18 (3): 157-166. Ref. Eng. Sum. 1975

023602 RM214.N8
Levels of histidine derivatives in breast muscle of proteindepleted and repleted adult cockerels [During malnutrition]. Fisher, H; Konlande, J; Strumeyer, D *Nutr Metab* 18 (3): 120-126. Ref. 1975

023603 QH491.O5
Muscle formation de novo under the transplantation of muscles treated by trypan blue [Rabbits, rats]. (Rus) Polezhaev, L V *Ontogenez* 6 (4): 338-347. Ref. 1975

023604 RB1.P32
Aortic heterografts. Electron microscope study [Swine]. (Fre) Zylberberg, L *Pathol Biol* 23 (9): 691-704. Ref. Eng. Sum. Nov 1975

023605 RB1.P32
Effect of prostaglandin PGE on blood and tissue lipids in rabbit experimental atherosclerosis. (Fre) Jacotot, B; Gero, S *Pathol Biol* 23 (9): 711-715. Eng. Sum. Nov 1975

023606 RB1.P32
Regulation of the biosynthesis of the macromolecules of the intercellular matrix of the cornea [Calves]. (Fre) Menasche, M; Junqua, S; Payrau, P; Robert, L *Pathol Biol* 23 (9): 705-709. Ref. Eng. Sum. Nov 1975

023607 447.8 AR2
A simple method for the sampling of respiratory gas in conscious dogs. Zweens, J; Schiphof, P *Pflugers Arch* 360 (3): 219-223. Ref. 1975

023608 447.8 AR2
Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and systemic blood fractions [Rabbits]. Monnier, M; Dudler, L; Gachter, R; Schoenenberger, G A *Pflugers Arch* 360 (3): 225-242. Ref. 1975

023609 447.8 AR2
Influences of chronic denervation of the carotid bifurcation regions on panting in the sheep. Hales, J R S; Dampney, R A L; Bennett, J W *Pflugers Arch* 360 (3): 243-253. Ref. 1975

023610 447.8 AR2
Oxygen supply and uptake in the liver and the intestine [Cats]. Lutz, J; Henrich, H; Bauereisen, E *Pflugers Arch* 360 (1): 7-15. Ref. 1975

023611 447.8 AR2
The influence of innervation on the differentiation of contractile speeds of developing chick muscles. Gordon, T; Vrbova, G *Pflugers Arch* 360 (3): 199-218. Ref. 1975

023612 447.8 AR2
The onset and progress of transformation of avian slow into fast muscles under neural influence [Chickens]. Syrovy, I; Zelena, J *Pflugers Arch* 360 (2): 121-134. Ref. 1975

023613 447.8 AR2
The role of extracellular Ca2+ [calcium ions] and cyclic nucleotides in the mechanism of enzyme secretion from the cat pancreas. Schulz, I *Pflugers Arch* 360 (2): 165-181. Ref. 1975

023614 RM1.P473
Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, ex-vivo-perfused, canine stomach. Kowaiewski, K; Kolodej, A *Pharmacology* 13 (4): 325-339. Ref. 1975

023615 389.79 C81
Comparative efficiency of animals in the conversion of feedstuffs to human foods. Reid, J T *Proc Cornell Nutr Conf Feed Manuf* P. 16-24. 1975

023616 389.79 C81
Short-term metabolic control of appetite in dairy calves [Feeding]. Chase, L E; Wangsness, P J *Proc Cornell Nutr Conf Feed Manuf* P. 55-59. Ref. 1975

023617 389.79 C81
The effect of exercise on calcium metabolism in horses. Schryver, H F; Hintz, H F; Lowe, J E *Proc Cornell Nutr Conf Feed Manuf* P. 99-101. 1975

023618 49.9 N483
A comparison of the performance of Dorset, Coriedale and Romney sheep during lactation. Geenty, K G; Jagusch, K T *Proc N Z Soc Anim Prod* 34: 14-18. Ref. 1974

023619 49.9 N483
Influence of birth date and dam's age on early growth in beef cattle. Baker, R L; Carter, A H; Cox, E H; Templer, H A *Proc N Z Soc Anim Prod* 34: 115-130. Ref. 1974

023620 500 N21P
Chicken neutrophils: oxidative metabolism in phagocytic cells devoid of myeloperoxidase. Penniall, R; Spitznagel, J K *Proc Natl Acad Sci U S A* 72 (12): 5012-5015. Ref. Dec 1975

023621 500 N21P
Cytoplasmic and nuclear binding components for 1alpha,25-dihydroxyvitamin D3 in chick parathyroid glands. Brumbaugh, P F; Hughes, M R; Haussler, M R *Proc Natl Acad Sci U S A* 72 (12): 4871-4875. Ref. Dec 1975

023622 500 N21P
Homology in amino-terminal sequence of precursors to pancreatic secretory proteins [Dogs]. Devillers-Thiery, A; Kindt, T; Scheele, G; Blobel, G *Proc Natl Acad Sci U S A* 72 (12): 5016-5020. Ref. Dec 1975

023623 500 N21P
Strand-selective transcription of globin genes in rabbit erythroid cells and chromatin. Wilson, G N; Steggles, A W; Nienhuis, A W *Proc Natl Acad Sci U S A* 72 (12): 4835-4839. Ref. Dec 1975

023624 500 N21P
Synthesis and differentiation of plasma proteins in cultured embryonic chicken liver cells: a system for study of regulation of protein synthesis. Grieninger, G; Granick, S *Proc Natl Acad Sci U S A* 72 (12): 5007-5011. Ref. Dec 1975

023625 S293.C6N31
Changes in body fluid compartments with growth in young pigs. Setiabudi, M; Huggins, R A; Smith, E L *Proc Natl Conf Agric Biol Sci* 13: 637-647. Ref. 1974

023626 389.9 AM31
A model of the heat exchange of sheep with the environment. Vera, R R; Koong, L J; Morris, J G *Proc West Sect Am Soc Anim Sci* 26: 44-51. Ref. 1975

023627 389.9 AM31
Cellular development and lipid metabolism of lamb adipose tissue. Semlek, M A; Riley, M L *Proc West Sect Am Soc Anim Sci* 26: 55-57. Ref. 1975

023628 389.9 AM31
Creep feeding and subsequent maternal ability of Simmental cross calves. Friedrich, R L; Kress, D D; Vaniman, D; Burfening, P J *Proc West Sect Am Soc Anim Sci* 26: 14-16. Ref. 1975

023629 389.9 AM31
Effect of temperature on blood composition of Nevada deer. O'Brien, J M; Alldredge, J R; Lesperance, A L; Papez, N J *Proc West Sect Am Soc Anim Sci* 26: 29-33. Ref. 1975

023630 389.9 AM31
Episodic secretion of growth hormone in steers and bulls: an anaylsis of frequency and magnitude of secretory spikes occurring in a 24 hour period. Anfinson, M S; Davis, S L; Christian, E; Everson, D O *Proc West Sect Am Soc Anim Sci* 26: 175-177. 1975

023631 389.9 AM31
Fatty acid composition in growing lambs. Semlek, M A; Riley, M L *Proc West Sect Am Soc Anim Sci* 26: 58-59. Ref. 1975

023632 389.9 AM31
Lipid mobilization in rabbits. I. Dexamethasone, TSH [thyroid stimulating hormone], and GH [growth hormone]. Fredericks, S A; Cramer, D A *Proc West Sect Am Soc Anim Sci* 26: 82-85. Ref. 1975

023633 389.9 AM31
Lipid mobilization in rabbits. II. Cortisone acetate. Fredericks, S A; Cramer, D A *Proc West Sect Am Soc Anim Sci* 26: 86-89. Ref. 1975

023634 389.9 AM31
Maternal malnutrition and neonatal growth hormone [Cattle]. Dunn, T G; Corah, L R; Kaltenbach, C C; Davis, S L *Proc West Sect Am Soc Anim Sci* 26: 189-192. Ref. 1975

023635 389.9 AM31
Metabolic response of animals exposed to several atmospheric pressures [Rats]. Varnell, T R; Prine, C A *Proc West Sect Am Soc Anim Sci* 26: 36-39. Ref. 1975

023636 389.9 AM31
Performance of individually fed bulls and steers [Dietary fat]. Howes, A D; Hurst, C E; Jacobs, J A; Miller, J C; Araji, J A; Loucks, R R *Proc West Sect Am Soc Anim Sci* 26: 10-13. Ref. 1975

023637 389.9 AM31
Serum alkaline phosphatase isoenzymes in beef cattle. Petersen, D R; Nelms, G E; Anderson, A D *Proc West Sect Am Soc Anim Sci* 26: 196-198. Ref. 1975

023638 389.9 AM31
Variability in preweaning weights of calves. Bogart, R; Hohenboken, W D *Proc West Sect Am Soc Anim Sci* 26: 7-9. 1975

023639 442.8 B5242
Regional blood flow in rats exposed to supralethal doses of whole body X-irradiation. Watters, C; Berger, G B *Radiat Environ Biophys* 12 (4): 303-313. Ref. 1975

023640 442.8 B5242
Renal function and intra/extravascular distribution spaces in the rat after supralethal whole-body X-irradiation. Watters, C; Gerber, G B *Radiat Environ Biophys* 12 (4): 291-302. Ref. 1975

023641 447.8 R24
Hormonal regulation of ovalbumin synthesis in the chick oviduct. Schimke, R T; McKnight, G S; Shapiro, D J; Sullivan, D; Palacios, R *Recent Prog Horm Res* 31: 175-211. Ref. 1975

023642 41.8 R24
Cardiovascular physiology [Dogs]. (Fre) Seroussi, E; Richalet, J P *Recl Med Vet* 151 (11, Special No.): 623-630. Eng. Sum. Nov 1975

023643 100 C76RE
Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. Frier, H I; Hall, R C Jr; Rousseau, J E Jr; Eaton, H D; Nielsen, S W; Connecticut Storrs Agricultural Experiment Station *Res Rep Conn Storrs Agric Exp Stn* 46, 58 P. Ref. July 1975

023644 SF15.K8A37
Effects of genetic and environmental factors on birth and weaning weights of Korean native calf. (Kor) Shin, W J; Kang, T I; Paik, Y K; Chee, S H; Park, Y I *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 83-89. Ref. Eng. Sum. Aug 1975

023645 284.9 M58
The lipolytic activity of two porcine growth hormone preparations in pigs. Buzzell, B L; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 113-115. Sept 1975

023646 284.9 M58
Zinc deficiency and protein synthesis in the pig. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 35-38. Sept 1975

023647 100 OK4M
Effect of ralgro on weight gains of suckling calves [Growth]. Horn, G W; Gordon, J L; Wyatt, R D; Knori, L; Gould, M; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 42-44. Oct 1975

023648 100 OK4M
Implanting calves for added pounds and profit [Diethylstilbestrol, growth]. Armbruster, S L; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 3-6. Oct 1975

023649 QP121.A1R4
Central and peripheral neural respiratory activity in the mature sheep foetus and newborn lamb. *Respir Physiol* 25 (2): 199-215. Ref. Nov 1975

13 R322
Yield, chemical composition and dry matter intake of R.v.P ryegrass varieties [Lolium, sheep]. (Fre) Carlier, L A; Andries, A P *Rev Agric (Brux)* 28 (4): 911-922. Ref. Eng. Sum. July/Aug 1975

023650 9.4 R32
Influence of pseudocryptorchidism on growth, yield and quality of meat [Cattle]. (Spa) Velasco, E A *Rev Nac Agric* 68 (812): 29-32. Feb 1975

023651 SF1.R54
Behavior of cattle in the free state. (Ita) Ordanini, P *Rilancio Agric Vet Zootec* 6 (7): 24-26. 1974

023652 470 SCI2
Deficits in binocular depth perception in cats after alternating monocular deprivation. Blake, R; Hirsch, H V B *Science* 190 (4219): 1114-1116. Ref. Dec 12, 1975

023653 470 SCI2
Estrogen target sites in the brain of the chick embryo. Martinez-Vargas, M C; Gibson, D B; Sar, M; Stumpf, W E *Science* 190 (4221): 1307-1308. Dec 26, 1975

023654 381 ST4
A method for separaing estrogens and phytoestrogens [in animal fluids] on Sephadex LH-20 columns. Newsome, F E; Kitts, W D *Steroids* 26 (2): 215-217. Ref. Aug 1975

023655 381 ST4
The determination of five steroids in avian plasma by radioimmunoassay and competitive protein-binding. Wingfield, J C; Farner, D S *Steroids* 26 (3): 311-327. Ref. Sept 1975

023656 390.9 M39T
The behavior of holo- and apo-forms of bovine superoxide dismutase at low pH [hydrogen-ion concentration]. Sfat, M R; Phillips, W D *Tech Q Mast Brew Assoc Am* 412 (1): 26-38. Ref. Nov 18, 1975

023657 385 T29
Hydroxylation of cedrol by the dog. (Fre) Trifilieff, E; Luu Bang,; Ourisson, G *Tetrahedron Lett* 48: 4307-4310. Nov 1975

023658 41.8 T445
Influence of corticosteroids on the amount and composition of milk in cattle. (Ger) Hamann, J; Heeschen, W *Tierarztl Umsch* 30 (10): 501-504. Ref. Oct 1, 1975

023659 49 T445
Thyroid activity as a selection criteria in animal breeding [Dairy cattle]. (Ger) Graf, F; Krausslich, H *Tierzuchter* 27 (11): 466-468. Nov 5, 1975

023660 22.5 T574
Gluconeogenesis in the kidney-cortex slices of normal fed and starved sheep. Sasaki, S; Ambo, K; Muramatsu, M; Tsuda, T *Tohoku J Agric Res* 26 (1): 20-29. Ref. July 1975

023661 22.5 T574
Studies on the effect of the alteration in the internal environment of poultry egg on embryonic growth. V. Effect of albumin removal on embryonic growth in chickens. Arai, K; Mizuma, Y; Nishida, S *Tohoku J Agric Res* 26 (1): 30-34. July 1975

023662 391.8 T662
Cardiovascular effects of D,L-threo-dihydroxyphenylserine in cats. Redmond, D E Jr; Olander, R; Maas, J W *Toxicol Appl Pharmacol* 34 (2): 301-308. Ref. Nov 1975

023663 391.8 T662
Fate of fluorocarbons in the dog and rabbit after inhalation. Paulet, G; Lanoe, J; Thos, A; Toulouse, P; Dassonville, J *Toxicol Appl Pharmacol* 34 (2): 204-213. Ref. Nov 1975

023664 391.8 T662
Fluorocarbons and general metabolism in the rat, rabbit, and dog. Paulet, G; Roncin, G; Vidal, E; Toulouse, P; Dassonville, J *Toxicol Appl Pharmacol* 34 (2): 197-203. Ref. Nov 1975

023665 290.9 AM32T
Model of broiler performance as affected by temperature and humidity. Ibrahim, M N; Stevens, D G; Shanklin, M D; Hahn, L *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 960-962. Ref. Sept/Oct 1975

023666 290.9 AM32T
Rapid THI [Temperature-Humidity Index] change and hypothalamic-rectal temperatures of heifers. Stewart, R E; Bailey, E M Jr *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 969-974. Sept/Oct 1975

023667 513 T64
The influence of frozen storage on the electrophoresis of serum protein in domestic animals. (Jpn) Suzuki, M; Toyosawa, K; Sitizyo, K *Trans Tottori Soc Agric Sci* 27: 49-67. Ref. Eng. Sum. Mar 1975

023668 20 M66
Change in content of glutathione in the blood relative to age and its relationship to certain production qualities in swine. (Bel) Hil'man, Z D; Kaliasen', V P; Vasin, V T *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 104-108. Ref. 1975

023669 SF604.V46
Levels of oxytetracycline in the rumen juice of cattle after its parenteral administration. (Cze) Jagos, P; Striz, J; Crha, J *Veterinaria* 17 (1): 5-17. Ref. Eng. Sum. 1975

023670 41.8 V6439
Evidence of relationship between hydroxyproline and essential amino acid contents in animal tissue proteins. (Cze) Vognarova, I; Dvorak, Z *Veterinarstvi* 25 (9): 404-405. 1975

023671 508 Z8
The early Middle Age domestic fauna in Schiers (Graubunden) [Includes livestock]. (Ger) Hartmann-Frick, H *Vierteljahrsschr Naturforsch Ges Zurich* 120 (3): 222-273. Ref. Sept 1975

023672 20 V82
Activity of deaminases of the contents of calf intestine relative to age. (Ukr) IAkovenko, M IA *Visn Sil's'kohospod Nauki* 6: 72-76. Ref. June 1975

023673 20 V82
Ratio between precocious maturation and fat deposit in Ukrainian White Steppe swine breed. (Ukr) Mykhailova, M P *Visn Sil's'kohospod Nauki* 9: 87-89. Sept 1975

023674 41.8 T345
The segmental projection of the cervix uteri of the cow on the skin. (Ger) Kothbauer, O; Schaller, O *Wien Tierarztl Monatsschr* 62 (5): 157-159. Ref. Eng. Sum. May 1975

023675 47.8 W89
The effect of intermittent lighting programmes on the production of market chickens and turkeys. Buckland, R B *Worlds Poult Sci J* 31 (4): 262-270. Ref. Nov 1975

023676 389.78 Z3
Comparison of free amino acids in blood serum of men and animals. II. Man, rabbit, guinea-pig, swine. (Ger) Liappis, N; Anda, L P; Jakel, A; Bantzer, P *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 87-91. Eng. Sum. Dec 1975

023677 389.78 Z3
Effect of linoleic acid on oxidative phosphorylation in mitochondria in rats. Setia, M S; Jakobsen, P E *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 113-117. Ref. Dec 1975

023678 41.8 Z5
Chloramphenicol plasma levels in horses, cattle and sheep after oral and intramuscular administration. Corte-Baeten, K de; Debackere, M *Zentralbl Veterinarmed, Reihe A* 22 (8): 704-712. Ref. Oct 1975

023679 41.8 Z5
The hydraulic function of intramyocardial fluids subject to the erectile properties of the ventricular wall of mammalian hearts [Dogs]. Lunkenheimer, P P *Zentralbl Veterinarmed, Reihe A* 22 (8): 632-644. Ref. Oct 1975

442.8 Z6
On convergent lines of similarity between fungi and some groups of animals. (Rus) Bekker, Z E *Zh Obshch Biol* 36 (5): 670-687. Ref. Eng. Sum. 1975

023680 442.8 Z6
The role of intestines in the formation of normal antibodies at early stages of individual development of mammals [Includes livestock]. (Rus) Intizarov, M M; Troitskaia, T G *Zh Obshch Biol* 36 (5): 776-784. Ref. Eng. Sum. 1975

023681 49 Z6
Vitality of Urzhum swine. (Rus) Narbekov, E A *Zhivotnovodstvo* 8: 35. Aug 1975

023682 49 Z6
Zootechnical and physiological evaluation of fattening cattle on platforms [Body heat losses]. (Rus) Khusainov, I I; Popova, M A *Zhivotnovodstvo* 6: 86-90. June 1975

023683 410 Z751Z
Sulfur content in hairs and skin of different coloured rabbits and mice. (Ger) Sollman, A *Zool Jahrb, Abt Allg Zool Physiol Tiere* 79 (3): 361-384. Ref. Eng. Sum. 1975

023684 410 Z751Z
The influence of temperature on potentiation phenomena in rabbit papillary muscle. (Ger) Szymanski, G; Wussling, M *Zool Jahrb, Abt Allg Zool Physiol Tiere* 79 (3): 344-360. Ref. Eng. Sum. 1975

023685 410.9 T57
Scanning electron microscopy of the ependymal cell surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). (Jpn) Kobayashi, Y; Nozaki, M *Zool Mag (Tokyo)* 84 (2): 132-137. Ref. Eng. Sum. June 1975

023686 49 Z8
Endogenous 11-hydroxy-corticosteroids in Pietrain pigs, German Large White pigs and Pietrain X Large White crosses and their relationship to meat quality. (Ger) Rogdakis, E; Haid, H; Faber, H von *Zuchtungskunde* 47 (5): 311-318. Ref. Eng. Sum. Sept-/Oct 1975

LIVESTOCK FEEDING

S544.3.W6W53
A complete forage plan for Wisconsin livestock [Range management, beef cattle]. Rohweder, D A; Vatthauer, R J; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2550, Slightly Rev., 18 P. July 1975

023687 41.8 AC87
Preliminary observations on the influence of different feed protein levels on the blood profile of dairy cows. Hewett, C; Ekman, L; Lindell, L *Acta Vet Scand* 16 (3): 471-473. 1975

023688 107.6 SA13
Effect of restricted feeding during the growing period on the body weight and egg production of Japanese quail, Coturnix coturnix japonica. (Jpn) Okamoto, S *Agric Bull Saga Univ* 39: 57-66. Ref. Eng. Sum. Aug 1975

023689 256.13 AG82M
The feeding value of kale and swedes [Cattle]. Gordon, F J; McIlmoyle, W A *Agric North Irel* 50 (6): 158-161. Oct 1975

023690 SF1.L32
Effect of different combinations of lysine and sulphur-containing amino acids on egg production of laying hens. Keulder, H F; Hayes, J P; Van Aarde, I M R *Agroanimalia* 7 (3): 69-71. Sept 1975

023691 SF1.L32
Utilization of poultry manure in rations for lambs. (Afr) Van der Merwe, H J; Pretorius, P S; Du Toit, J E J *Agroanimalia* 7 (3): 65-68. Ref. Eng. Sum. Sept 1975

4 AM34P
Hay preservation and quality improvement by anhydrous ammonia treatment [Digestibility, cattle]. Knapp, W R; Holt, D A; Lechtenberg, V L *Agron J* 67 (6): 766-769. Ref. Nov/Dec 1975

023692 9 SO1
Beef yield on an alfalfa field [Grazing, Argentina]. (Spa) Madero, G E *An Soc Rural Argent* 109 (1/2): 42-44. Jan/Feb 1975

023693 60.8 AR1
Fodder products for the protein provision of livestock. (Ger) Landis, J *Arb Gebiet Futterbaues* 19: 38-43. Aug 1975

023694 100 AR42F
Feeding value of hardwood sawdust in dairy [cattle] rations. Keith, E A; Daniels, L B; Hornsby, Q R; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 13. Nov/Dec 1975

023695 SF191.K4
Effects of feeding nitrates to dairy cattle. Prewitt, L R; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 35, 2 P. Oct 1975

023696 23 AU783
Herbage intake and grazing behaviour in ewes of four breeds at different physiological states. Arnold, G W *Aust J Agric Res* 26 (6): 1017-1024. Ref. Nov 1975

23 AU783
Response of teat enzymes of sheep and cattle to stimulation by stilboestrol and oestrogenic subterranean clover. Smithard, R; Cole, E R; Kennedy, J P *Aust J Agric Res* 26 (6): 1009-1015. Ref. Nov 1975

023697 23 AU783
The development of ruminant digestion in the calf. I. The digestion of barley and soya bean meal. Leibholz, J *Aust J Agric Res* 26 (6): 1081-1091. Ref. Nov 1975

023698 23 AU783
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. Stobbs, T H *Aust J Agric Res* 26 (6): 997-1007. Ref. Nov 1975

023699 23 AU783
The utilization by preruminant lambs of milk replacers containing isolated soya bean protein. Walker, D M; Kirk, R D *Aust J Agric Res* 26 (6): 1025-1035. Ref. Nov 1975

023700 23 AU783
The utilization by preruminant lambs of isolated soya bean protein in low protein milk replacers. Walker, D M; Kirk, R D *Aust J Agric Res* 26 (6): 1037-1052. Ref. Nov 1975

023701 23 AU783
Whole wheat grain feeding of lambs. V. Effects of roughage and wheat grain mixtures. Bigham, M L; McManus, W R *Aust J Agric Res* 26 (6): 1053-1062. Ref. Nov 1975

023702 57.9 AR1
Feed consumption and feeding performance as exemplified by the herd of cows of the Liquid Fertilizer Experimental Station [Austria]. (Ger) Steinwender, R *Ber Arbeitstag Fragen Gulle* P. 185-193. Ref. 1974

57.9 AR1
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on dairy cattle]. (Ger) Obritzhauser, W *Ber Arbeitstag Fragen Gulle* P. 195-206. 1974

023703 57.9 AR1
Physiological bases of dairy cattle feeding on farms with high fertilizer application and intensity of feed utilization. (Ger) Kaufmann, W *Ber Arbeitstag Fragen Gulle* P. 173-183. 1974

023704 382 B52
Myofibrillar protein turnover and urinary Ntau-methylhistidine output. Response to dietary supply of protein and energy[Rats]. Haverberg, L N; Deckelbaum, L; Bilmazes, C; Munro, H N; Young, V R *Biochem J* 152 (3): 503-510. Ref. Dec 1975

023705 389.8 B773
Some observations on the possible nutritional significance of vitamin B12-and folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. Ford, J E; Scott, K J; Sanson, B F; Taylor, P J *Br J Nutr* 34 (3): 469-492. Ref. Nov 1975

023706 389.8 B773
The effect of feeding high levels of low-quality proteins to growing chickens. Wethli, E; Morris, T R; Shresta, T P *Br J Nutr* 34 (3): 363-373. Ref. Nov 1975

023707 389.8 B773
THe effect of glucose infusion on the plasma free amino acids in sheep. Offer, N W; Tas, M V; Axford, R F E; Evans, R A *Br J Nutr* 34 (3): 375-382. Ref. Nov 1975

023708 389.8 B773
The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of dried grass in sheep. Orskov, E R; Fraser, C *Br J Nutr* 34 (3): 493-500. Ref. Nov 1975

023709 389.8 B773
The role of organic sulphur in the copper-molybdenum-S interrelationship in ruminant nutrition [Sheep]. Suttle, N F *Br J Nutr* 34 (3): 411-420. Ref. Nov 1975

023710 47.8 B77
A comparison of the effects of two low-calcium diets on egg production in the domestic fowl. Gilbert, A B; Blair, R *Br Poult Sci* 16 (6): 547-552. Nov 1975

023711 47.8 B77
Amino acid requirements of the young turkey: leucine, isoleucine and valine. D'Mello, J P F *Br Poult Sci* 16 (6): 607-615. Ref. Nov 1975

023712 47.8 B77
Comparison of nutritive values of groundnut oil cake and Niger oil cake for laying pullets [Chickens]. Manwatkar, S G; Netke, S P; Sathe, B S *Br Poult Sci* 16 (6): 571-576. Ref. Nov 1975

023713 47.8 B77
The effect of high dietary sodium chloride on renal function in chicks. Martindale, L *Br Poult Sci* 16 (6): 577-581. Nov 1975

023714 47.8 B77
The performance of male ducklings given starter diets with different concentrations of energy and protein. Wilson, B J *Br Poult Sci* 16 (6): 617-625. Nov 1975

023715 47.8 B77
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. Lipstein, B; Bornstein, S; Bartov, I *Br Poult Sci* 16 (6): 627-635. Ref. Nov 1975

023716 41.8 V643
Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. Robinson, D W *Br Vet J* 131 (5): 595-600. Ref. Sept/Oct 1975

023717 107.6 K114B
Cholesterol content and fatty acid composition in egg yolks and blood plasma of poultry [Dietary effects]. (Jpn) Tomita, Y; Yamada, A; Hayashi, K; Honbo, T *Bull Fac Agric Kagoshima Univ* 25: 89-93. Ref. Eng. Sum. Mar 1975

023718 107.6 K114B
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of hydrolyzed iodinated-casein on the conversion of beta-carotene into vitamin A. (Jpn) Yamada, A; Tomita, Y *Bull Fac Agric Kagoshima Univ* 25: 85-88. Ref. Eng. Sum. Mar 1975

023719 100 W27E
High crude-fiber rations for finishing cattle. Heinemann, W W; Dyer, I A; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 816, 4 P. Sept 1975

023720 100 C12CAG
Restricted feeding of Leghorn layers [Chickens]. Swanson, M H; Johnston, G W; California Agricultural Experiment Station *Calif Agric* 29 (11): 10-11. Nov 1975

023721 450 C16
Feeding value of silage from a tillering and a nontillering hybrid corn [Sheep, steers]. Bowden, D M; McLaughlin, N B; Freyman, S *Can J Plant Sci* 55 (4): 955-959. Ref. Oct 1975

023722 41.8 C33
Manioc leaf meal in poultry diets. Siriwardene, J A de S; Ranaweera, K N P *Ceylon Vet J* 22 (3/4): 53-57. Sept/Dec 1974

023723 41.8 C33
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. Keith, J M; Ranawana, S S E *Ceylon Vet J* 22 (3/4): 48-52. Sept/Dec 1974

023724 QP1.C6
Urea metabolism in the llama [Feeding]. Hinderer, S; Engelhardt, W von *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 619-622. Ref. Dec 1, 1975

023725 275.29 ID13IDC
Swine nutrition. Gibson, G W; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 306, 4 P. June 1975

023726 44.8 D1414
Feed now—or pay later [Dairy cattle]. Gibbons, J *Dairy Farmer* 22 (11): 30-31. Nov 1975

023727 44.8 D1414
Planning low-roughage rations [Cattle]. Hutton, K *Dairy Farmer* 22 (11): 27-28. Nov 1975

023728 SF191.D3
Trace minerals are top nutrition insurance [Dairy cattle]. Harris, B Jr *Dairy Herd Manage* 12 (12): 14-15. Dec 1975

023729 44.9 M382
Winter feeding of lactating cows [Dairy cattle]. Davey, A W F *Dairyfarming Annu* 26: 92-101. Apr 1975

023730 58.8 T677
Early weaning and first frenzy successively synchronized [Swine]. (Ger) Repa, H *DLZ (Die Landtech Z)* 26 (5): 336. May 1975

023731 58.8 T677
The method of early weaning of piglets. (Ger) Becker, A *DLZ (Die Landtech Z)* 26 (3): 187-188. Mar 1975

023732 298.8 SU2
Dry or fluid feed, alternatives for fattening swine barns. (Ger) Burgstaller, G *Dtsch Muller Ztg* 73 (19): 338, 340. Oct 9, 1975

023733 298.8 SU2
Feed concentrates for cattle with high performance. (Ger) *Dtsch Muller Ztg* 73 (19): 342-343. Oct 9, 1975

023734 298.8 SU2
Unknown growth factors in milk replacer feeds for fattening calves. (Ger) Schulz, V; Beck, H; Gropp, J *Dtsch Muller Ztg* 73 (19): 340-342. Eng. Sum. Oct 9, 1975

023735 412.628 D48
How often should fox and mink be fed? (Ger) Szuman, J; Narucka, I *Dtsch Pelztierz* 49 (11): 205-209. Nov 1975

023736 412.628 D48
How often should fox and mink be fed? II. (Ger) *Dtsch Pelztierz* 49 (12): 225-229. Ref. Dec 1975

TD1.E58
Safety of heavy metals as nutritional markers [Mice, monkeys]. Hutcheson, D P; Gray, D H; Venugopal, B; Luckey, T D *Environ Qual Saf* 1 (Suppl.): 74-80. Ref. 1975

TD1.E58
Toxicology of non-radioactive heavy metals and their salts [Nutritional and toxic effects on animals]. Venugopal, B; Luckey, T P *Environ Qual Saf* 1 (Suppl.): 4-73. Ref. 1975

023737 286.81 F322
Ammonium sulfate in low and high energy rations for sheep. Eng, K S Jr; McNeil, J *Feedstuffs* 47 (51): 20, 22. Dec 15, 1975

023738 286.81 F322
Purdue research applied to finishing beef cattle. Beeson, W M *Feedstuffs* 47 (51): 24-27. Dec 15, 1975

023739 SF481.F53
British egg testing results [Feeding]. (Swe) Malm, T *Fjaderfa* 68 (7): 219. Sept 1975

023740 100 G295
Dairy cattle—providers, not users—of human food [Feeding]. Ely, L O; McCullough, M E; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 9-13. Summer 1975

023741 S27.A3
Wood as an energy source for ruminants [Feeding]. Britton, R; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 15 P. 1975

023742 17 SCH9
Economical winter feeding of dairy cattle. (Ger) Abbuhl, U *Grune* 103 (48): 19-23. Nov 28, 1975

023743 26 H27
Feeding of high yield cows. (Heb) Kauts, A *Hassadeh* 56 (1): 85-86. Oct 1975

023744 SF481.I55
Restricted feeding of laying pullets [Chickens]. Wells, R G *Indian Poult Rev* 6 (11): 441. Jan 16, 1975

023745 SF481.I55
The peculiarities of duck feeding. Saxena, V P; Thakur, R S *Indian Poult Rev* 6 (11): 447-450. Jan 16, 1975

023746 41.8 IN2
Nutritive value of neem seed cake (Melia indica) [Cattle]. Arora, S P; Singhal, K K; Ludri, R S *Indian Vet J* 52 (11): 867-870. Nov 1975

023747 381 J8223
A methionine substitute: 4-methylthiobutane-1,2-diol [Nutritive value, chicks]. Steadman, T R; Peppen, J F van; Sifniades, S *J Agric Food Chem* 23 (6): 1137-1144. Ref. Nov/Dec 1975

023748 381 J8223
Nutritional evaluation of protein from shrimp cannery effluent (Shrimp Waste Protein). Toma, R B; James, W H *J Agric Food Chem* 23 (6): 1168-1171. Ref. Nov/-Dec 1975

023749 10 J822
Effect of diets low in calcium and phosphorus on the development of growing lambs. Field, A C; Suttle, N F; Nisbet, D I *J Agric Sci (Camb)* 85 (3): 435-442. Ref. Dec 1975

023750 10 J822
Effect of protein concentration in the diet on blood composition and productivity of lactating Holstein cows under thermal stress. Hassan, A; Roussel, J D *J Agric Sci (Camb)* 85 (3): 409-415. Ref. Dec 1975

023751 10 J822
Estimation of food intake of sheep grazing green pasture when no free water is available. Benjamin, R W; Degen, A A; Breighet, A; Chen, M; Tadmor, N H *J Agric Sci (Camb)* 85 (3): 403-407. Ref. Dec 1975

023752 10 J822
Thiomolybdates and the copper-molybdenum-sulphur interaction in ruminant nutrition [Sheep]. Dick, A T; Dewey, D W; Gawthorne, J M *J Agric Sci (Camb)* 85 (3): 567-568. Ref. Dec 1975

023753 8 T73
Animal nutrition research in Trinidad & Tobago: a review and commentary. Parris, E C C *J Agric Soc Trinidad Tobago* 75 (2): 120-125, 127-131. June 1975

023754 41.8 AM3
Nutrition and bone development in horses. Hintz, H F; Schryver, H F *J Am Vet Med Assoc* 168 (1): 39-44. Ref. Jan 1, 1976

023755 49 J82
A comparison of vitreous and soft endosperm high-lysine and common maize in diets for growing rats and pigs. Gomez, G G; Maner, J H; Flores, Z; Francis, C A; Buitrago, J *J Anim Sci* 41 (6): 1638-1644. Dec 1975

023756 49 J82
Amino acid absorption by portal-jugular venous differences in sheep fed two maturities of alfalfa hay. Prewitt, L R; Jacobson, D R; Hemken, R W; Schelling, G D; Hatton, R H *J Anim Sci* 41 (6): 1722-1727. Ref. Dec 1975

023757 49 J82
An assessment of essential amino acid requirements of growing steers. Fenderson, C L; Bergen, W G *J Anim Sci* 41 (6): 1759-1766. Ref. Dec 1975

023758 49 J82
Dairy beef production as influenced by sex, protein level and diethylstilbestrol. Williams, D B; Vetter, R L; Burroughs, W; Topel, D G *J Anim Sci* 41 (6): 1532-1541. Ref. Dec 1975

023759 49 J82
Digestible, metabolizable and net energy values of corn grain and dehydrated alfalfa in sheep. Kromann, R P; Clemens, E T; Ray, E E *J Anim Sci* 41 (6): 1752-1758. Ref. Dec 1975

023760 49 J82
Effect of energy sources on plasma insulin and nitrogen metabolism in sheep totally nourished by infusions. Tao, R C; Asplund, J M *J Anim Sci* 41 (6): 1653-1659. Ref. Dec 1975

023761 49 J82
Effect of level of feeding during lactation on sow and pig performance. Libal, G W; Wahlstrom, R C *J Anim Sci* 41 (6): 1542-1545. Ref. Dec 1975

023762 49 J82
Effect on subsequent feedlot performance of rotating or withdrawing dietary antibiotics from swine growing and finishing rations. Kornegay, E T; Thomas, H R; Kramer, C Y *J Anim Sci* 41 (6): 1555-1562. Dec 1975

023763 49 J82
Effects of ration protein level and diethylstilbestrol implants on early-weaned beef bulls. Williams, D B; Vetter, R L; Burroughs, W; Topel, D G *J Anim Sci* 41 (6): 1525-1531. Ref. Dec 1975

023764 49 J82
Estimated nutritive value of treated forages for ruminants. Yu, Y; Thomas, J W; Emery, R S *J Anim Sci* 41 (6): 1742-1751. Ref. Dec 1975

023765 49 J82
Protein and amino acid evaluation of commercially grown opaque-2 corn [Swine feeding]. Kornegay, E T; Hedges, J D; Webb, K E Jr; Thomas, H R; Baker, D H; Carlisle, G R; Harmon, B G; Jensen, A H *J Anim Sci* 41 (6): 1546-1554. Ref. Dec 1975

49 J82
Yield and composition of midland bermudagrass [Cynodon dactylon] selected by beef cows and calves. Telford, J P; Horn, F P; McCroskey, J E; Stephens, D F; Whiteman, J V; Totusek, R *J Anim Sci* 41 (6): 1728-1734. Ref. Dec 1975

023766 44.8 J822
Effect of forage-to-concentrate ratio in complete feeds and feed intake on digestion of starch by dairy cows. Wheeler, W E; Noller, C H; Coppock, C E *J Dairy Sci* 58 (12): 1902-1906. Ref. Dec 1975

023767 44.8 J822
Formaldehyde treated whey protein concentrate for lactating dairy cattle. Muller, L D; Rodriguez, D; Schingoethe, D J *J Dairy Sci* 58 (12): 1847-1855. Ref. Dec 1975

023768 44.8 J822
Metabolism of liquid whey fed to sheep. Anderson, M J *J Dairy Sci* 58 (12): 1856-1859. Ref. Dec 1975

023769 44.8 J822
New isotope methods for estimating milk intake and yield [Calves]. Holleman, D F; White, R G; Luick, J R *J Dairy Sci* 58 (12): 1814-1821. Ref. Dec 1975

023770 44.8 J822
No associative effects between corn and hay-crop silages fed to lactating dairy cows. Holter, J B; Johns, W III; Urban, W E Jr *J Dairy Sci* 58 (12): 1865-1870. Dec 1975

023771 44.8 J822
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen utilization by cattle. Roffler, R E; Satter, L D *J Dairy Sci* 58 (12): 1880-1888. Ref. Dec 1975

023772 44.8 J822
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. II. Application of published evidence to the development of a theoretical model for predicting nonprotein nitrogen utilization. Roffler, R E; Satter, L D *J Dairy Sci* 58 (12): 1889-1898. Ref. Dec 1975

023773 41.9 AN4D
Effect of energy level of the ration on fatty liver in cage layer hens. (Tur) Akkilic, M; Tanyolac, A *J Fac Vet Med* 21 (3/4): 370-389. Ref. Eng. Sum. 1974 (Pub. 1975)

023774 41.9 AN4D
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. (Tur) Senel, H S *J Fac Vet Med* 21 (3/4): 344-354. Ref. Eng. Sum. 1974 (Pub. 1975)

023775 41.8 SO8
Dietary value of cubes in equine nutrition [Horses]. Van der Merwe, J A *J S Afr Vet Assoc* 46 (1): 29-37. Ref. Mar 1975

023776 382 SO12
A comparison of some chemical and physical properties of alkali lignins from grass and lucerne hays before and after digestion by sheep. Gordon, A J *J Sci Food Agric* 26 (10): 1551-1559. Ref. Oct 1975

023777 382 SO12
Influence of cooking upon the nutritive value of potato and maize in diets for growing pigs. Whittemore, C T; Moffat, I W; Taylor, A G *J Sci Food Agric* 26 (10): 1567-1576. Ref. Oct 1975

382 SO12
Influence of glucosinolates and high-molecular factors on the nutritional value of low-glucosinolate rapeseed meal. Josefsson, E *J Sci Food Agric* 26 (9): 1299-1310. Ref. Sept 1975

023778 382 SO12
Palm kernel meal as the major protein concentrate in the diets of pigs in the tropics. Babatunde, G M; Fetuga, B L; Odumosu, O; Oyenuga, V A *J Sci Food Agric* 26 (9): 1279-1291. Sept 1975

023779 382 SO12
The digestion of the lipids of processed red clover herbage by sheep. Outen, G E; Beever, D E; Osbourn, D F; Thomson, D J *J Sci Food Agric* 26 (9): 1381-1389. Ref. Sept 1975

023780 49 N62
Effect of the rearing in mountainous regions on the productivity of beef cattle. III. Results of the fattening experiments. (Jpn) Sawazaki, H; Hirose, H; Kikuchi, T; Kyuma, T; Takizawa, S; Takahashi, M; Fuchimukai, M; Onodera, T; Saito, S; Et Al *Jap J Zootech Sci* 46 (8): 469-476. Ref. Eng. Sum. Aug 1975

023781 49 N62
Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and molar proportion of volatile fatty acids, and dry matter digestibility. (Jpn) Nakashima, Y; Kikuchi, S *Jap J Zootech Sci* 46 (8): 477-486. Ref. Eng. Sum. Aug 1975

023782 49 N62
The effect of dietary margaric acid on the retention of several fatty acids in chicks. (Jpn) Koh, T S; Tasaki, I *Jap J Zootech Sci* 46 (8): 487-492. Ref. Eng. Sum. Aug 1975

023783 49 N62
The effect of dietary fatty acids on fatty acid distribution of lipids in neck adipose pads and superficial pectoral muscle of chicks. (Jpn) Koh, T S; Tasaki, I *Jap J Zootech Sci* 46 (9): 509-514. Ref. Eng. Sum. Sept 1975

023784 49 N62
Urea utilization by calves during their growth up to six months of age. Matsuoka, S; Kumase, N; Kanzaki, M; Hashizume, T *Jap J Zootech Sci* 46 (9): 538-544. Ref. Sept 1975

389.78 K85
Animal husbandry and 1975 feed economy in the Rhineland Palatinate. (Ger) Graf, L *Kraftfutter* 58 (11): 443-444. Nov 1975

023785 389.78 K85
Use of mixed feed in Polish agriculture. (Ger) Turski, J *Kraftfutter* 58 (12): 493-494. Dec 1975

023786 QL55.A1L3
The response of growing rats to a diet supplemented with the antibiotic ampicillin. King, J O L *Lab Anim* 9 (3): 211-214. July 1975

023787 49 B462
Feeding errors which cause lactic acidosis in ruminants. (Fre) Wolter, R *L'elevage* 45: 30-34. Nov 1975

023788 49 B462
Feeding young slaughter calves requires permanent attention. (Fre) Le Coustumier, J *L'elevage* 44: 73-75. Oct 1975

023789 49 B462
Growth factors, of course, but first rearing conditions [Animal nutrition]. (Fre) Jousselin, W *L'elevage* 45: 41-43, 45, 47-49. Nov 1975

023790 49 B462
Some advantages but also some constraints with zero grazing. (Fre) Pontailler, S *L'elevage* 45: 77. Nov 1975

023791 49 B462
Trials of Zebu cattle fattening based on rice polish in north Cameroon. (Fre) Lhoste, P; Pierson, J; Ginisty, L *L'elevage* (New Ser.) 28 (2): 217-223. Eng. Sum. 1975

023792 SF1.L5
Effect of replacing barley with tapioca meal at two different levels of feeding on the growth and health of early weaned pigs. Arambawela, W J; Nielsen, H E; Danielsen, V; Eggum, B O *Livest Prod Sci* 2 (3): 281-288. Ref. Sept 1975

023793 S13.M4
Cattle fattening in conditions of large scale production technology. (Cze) Nakladai, J *Metod Zavad Vysled Vyzk Praxe* 22, 20 P. 1975

023794 S13.M4
Restricted feeding of boiler type chickens. (Cze) Peter, V; Chrappa, V; Resovsky, S *Metod Zavad Vysled Vyzk Praxe* 16, 28 P. Ref. 1975

023795 20 M57
Effective utilization of feed beans in rations of fattened swine. (Rus) Poppe, E; Schlage, P; Wizemuller, W *Mezhdunar S-kh Zh* 6: 70-73. 1975

023796 20 M57
On the use of enzyme preparations in livestock feed rations. (Rus) Parkay, Mrs Gy A; Toth, M *Mezhdunar S-kh Zh* 6: 73-74. 1975

023797 19 M577
Relationship between carbohydrate-, fat- and protein metabolism [Livestock feeding]. (Hun) Baintner, K *Mezogazd Vilagirodalom* 17 (4): 287-288. 1975

023798 SF221.M5
Mineral feed conversion and supply for high performance cows. (Ger) Gunther, K *Milch Prax Rindermast* 13 (4/5): 11-12, 14. Nov 1975

023799 SF221.M5
Program for feeding high performing cows. (Ger) Gfrorer, F *Milch Prax Rindermast* 13 (4/5): 15-18. Nov 1975

023800 S542.A1N45
Effect on intake of adding sodium bicarbonate to silage [Sheep]. Lancaster, R J; Wilson, R K *N Z J Exp Agric* 3 (3): 203-206. Sept 1975

023801 S542.A1N45
Effects of feeding formaldehyde-treated oilseed supplements to sheep on pasture. Purchas, R W *N Z J Exp Agric* 3 (3): 219-222. Sept 1975

S542.A1N45
Storage time and fermentation temperature of grass silage as factors affecting its voluntary consumption by sheep. Lancaster, R J *N Z J Exp Agric* 3 (3): 199-202. Ref. Sept 1975

023802 RC620.A1N8
Protein digestibility and lysine availability in alfalfa meal and alfalfa protein concentrate [Japanese quail, rats]. Cheeke, P R; Myer, R O *Nutr Rep Int* 12 (6): 337-344. Ref. Dec 1975

023803 S19.O68
Induced research on the problem of proteins for human and animal nutrition in France. (Fre) Poly, J *Options Mediterr* 5 (29): 57-63. 1975

023804 46.8 P623
Feeding for lean [Swine]. Whittemore, C T *Pig Farming* 23 (11): 60-61. Nov 1975

023805 46.8 P623
Feeding the lactating sow. Brooks, P *Pig Farming* 23 (11): 112. Nov 1975

023806 HD9435.N45P6
Feeding pigs for profit. Pell, S *Pork Ind Gaz* 5 (3): 31-34. June 1975

023807 HD9435.N45P6
The value of lupinseed meal [Swine]. Pearson, G *Pork Ind Gaz* 5 (3): 17, 19-21. June 1975

023808 47.9 P87
Full ration feed mixtures with different nutritive value in fattening young Italian White geese. (Pol) Bielinski, K; Bielinska, K; Kaszynski, J; Jamroz, D *Postepy Drobiarst* 16 (4): 193-202. Ref. Eng. Sum. 1974

023809 SF481.P64
Development of poultry diets which do not compete with human food resources. Lyon, J; Vohra, P; Kratzer, F H *Poult Guide* 12 (7): 23-25. July 1975

023810 SF481.P64
Digestion, absorption and utilization of nutrients in poultry. Sathe, B S *Poult Guide* 12 (9): 51-55. Ref. Sept 1975

023811 SF481.P64
How to economise on poultry feed. Balbule, V D *Poult Guide* 12 (7): 15-22. Ref. July 1975

023812 SF481.P64
Near possibility of reducing cereal grains in poultry diets-a review. Saxena, V P; Thakur, R S *Poult Guide* 12 (9): 25-29, 32-37. Sept 1975

023813 47.8 P8644
Nutrition plays a big part [Chickens, egg quality]. Cruickshank, G *Poult Ind* 39 (5): 15. Oct 1975

023814 389.79 C81
A new look at restricted feeding of pullets [Chickens]. Austic, R E; Pfaff, F E Jr *Proc Cornell Nutr Conf Feed Manuf* P. 34-37. Ref. 1975

023815 389.79 C81
Effect of protected lipid feeding on milk composition [Dairy cattle]. Sherbon, J W; Barbano, D M *Proc Cornell Nutr Conf Feed Manuf* P. 102-108. Ref. 1975

023816 389.79 C81
Effects of changes in forage-concentrate ratios of complete feeds on dairy cattle. Coppock, C E; Hernandez-Urdaneta, A; Moseley, J E *Proc Cornell Nutr Conf Feed Manuf* P. 60-63. Ref. 1975

023817 389.79 C81
Estimated nutritional requirements of high producing sheep. Hogue, D E *Proc Cornell Nutr Conf Feed Manuf* P. 87-94. 1975

023818 389.79 C81
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. Malm, A; Pond, W G; Walker, E F Jr; Homan, M; Aydin, A; Kirtland, D *Proc Cornell Nutr Conf Feed Manuf* P. 116-120. Ref. 1975

023819 389.79 C81
Feeding corn silage plus manure from caged layers or dairy cows as total mixed rations for dairy heifers. Kali, J; Merrill, W G *Proc Cornell Nutr Conf Feed Manuf* P. 69-76. Ref. 1975

023820 389.79 C81
How nutrition research has improved the economy of poultry production. Scott, M L *Proc Cornell Nutr Conf Feed Manuf* P. 25-33. 1975

023821 389.79 C81
Interaction of management and nutrition on neonatal calf performance—a preliminary report. Warner, R G; Irish, W W; Slack, S T; Rothermich, A *Proc Cornell Nutr Conf Feed Manuf* P. 64-68. 1975

023822 389.79 C81
Metabolizable [dietary] energy determinations with adult chickens. Hochstetler, H W; Scott, M L *Proc Cornell Nutr Conf Feed Manuf* P. 81-86. Ref. 1975

023823 389.79 C81
Nutrient requirements of fish—a review. Ketola, H G *Proc Cornell Nutr Conf Feed Manuf* P. 48-54. Ref. 1975

023824 389.79 C81
Recent developments in equine nutrition [Horses]. Hintz, H F; Schryver, H F *Proc Cornell Nutr Conf Feed Manuf* P. 95-98. Ref. 1975

023825 389.79 C81
The effects of levels of calcium, phosphorus and vitamin D on bone deveopment and eggshell quality in modern laying hens. Scott, M L; Antillon, A; Mullenhoff, P A *Proc Cornell Nutr Conf Feed Manuf* P. 77-80. 1975

023826 49.9 N483
Beef production from untreated silage and silage treated with a mixture of formalin and formic acid [Cattle]. Barry, T N *Proc N Z Soc Anim Prod* 34: 79-81. 1974

023827 49.9 N483
Energy requirements for pregnancy in sheep. Rattray, P V *Proc N Z Soc Anim Prod* 34: 67-77. Ref. 1974

023828 49.9 N483
Feed intake and growth in New Zealand feedlots [Beef cattle]. Thompson, K F; Monteath, M A *Proc N Z Soc Anim Prod* 34: 206-214. 1974

023829 49.9 N483
Measurement of milk consumption in young ruminants [lambs and calves] using tritiated water. Wright, D E; Jones, B A; Geenty, K G *Proc N Z Soc Anim Prod* 34: 145-150. Ref. 1974

023830 49.9 N483
Nutrition of feedlot beef cattle in New Zealand. Jagusch, K T; McIvor, A R *Proc N Z Soc Anim Prod* 34: 194-205. 1974

023831 49.9 N483
Nutrition of the pre-ruminant calf. Davey, A W F *Proc N Z Soc Anim Prod* 34: 133-144. Ref. 1974

023832 49.9 N483
Plant tannins, bloat and nutritive value [Cattle]. Reid, C S W; Ulyatt, M J; Wilson, J M *Proc N Z Soc Anim Prod* 34: 82-93. Ref. 1974

023833 49.9 N483
Types of cattle to feed in relation to the needs of markets. Barton, R A *Proc N Z Soc Anim Prod* 34: 233-240. Ref. 1974

023834 S293.C6N31
Cassava and cassava leaf as meal for broilers and growers. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 451-463. Eng. Sum. 1974

023835 S293.C6N31
Comparative study of rations containing glutinous broken rice and non-glutinous broken rice in swine growing-finishing rations. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 422-425. 1974

023836 S293.C6N31
Effects of soybean oil meal as the whole source of protein on rate of gain and feed efficiency of growing and finishing pigs. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 415-421. Eng. Sum. 1974

023837 S293.C6N31
Effects of various energy protein ratios in rations on growth and feed conversion of broilers. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 510-524. Eng. Sum. 1974

023838 S293.C6N31
Gross protein value of dehydrated poultry manure and various supplements determined by broiler chicks. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 494-501. 1974

023839 S293.C6N31
Influence of kapok meal for gilts. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 430-436. 1974

023840 S293.C6N31
Method to increase cassava protein for broilers. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 485-493. 1974

023841 S293.C6N31
Nutrient utilization, body composition and meat quality as affected by energy protein ratio [Chicks]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 464-476. Ref. Eng. Sum. 1974

023842 S293.C6N31
Preliminary study on using IS 8719 sorghum grain in broiler rations. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 537-549. 1974

023843 S293.C6N31
Some notes on using low level of good gradefishmeal with non-glutinous broken rice and glutinous broken rice in swine growing-finishing rations. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 426-429. 1974

023844 S293.C6N31
Supplement of rice straw for sheep with kenaf leaf [Hibicussabdariffa] or alfalfa meal. (Tha) Tucker, R E; Sigafus, R E; Mitchell, G E Jr *Proc Natl Conf Agric Biol Sci* 13: 402-414. Ref. Eng. Sum. 1974

023845 S293.C6N31
Use of full fat soybean in broiler and pullet developer diets. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 502-509. 1974

023846 S293.C6N31
Utilization of sugarcane leaf and poultry manure in beef cattle rations. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 365-367. 1974

023847 S293.C6N31
Utilization of rice straw by water buffalo when supplemented with molasses and urea. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 391-401. Ref. Eng. Sum. 1974

023848 S293.C6N31
Utilization of hen manure by laying hens and chicks [Feeding]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 477-484. Ref. Eng. Sum. 1974

023849 SF95.N6
Non-protein nitrogen as an alternative nitrogen source [in ruminant rations]. Jackson, P *Proc Nutr Conf Feed Manuf* 8th: 123-150. Ref. 1974

023850 SF95.N6
Protein, and amino-acid requirements of poultry, pigs and ruminants. Lewis, D; Annison, E F *Proc Nutr Conf Feed Manuf* 8th: 27-47. Ref. 1974

023851 SF95.N6
The nutritive value of silages. Wilkins, R J *Proc Nutr Conf Feed Manuf* 8th: 167-189. Ref. 1974

023852 SF95.N6
The use of dried grass in ruminant feeding. Connell, J *Proc Nutr Conf Feed Manuf* 8th: 191-204. Ref. 1974

023853 SF95.N6
The use of processed straw in rations for ruminants. Swan, H; Clarke, V J *Proc Nutr Conf Feed Manuf* 8th: 205-233. Ref. 1974

023854 SF95.N6
The use of synthetic amino acids [in livestock feeding]. Brette, A *Proc Nutr Conf Feed Manuf* P. 91-121. Ref. 1974

023855 389.9 AM31
A comparison of methods for measuring forage intake [Cattle]. Kartchner, R J; Rittenhouse, L R; Raleigh, R J *Proc West Sect Am Soc Anim Sci* 26: 155-156. 1975

023856 389.9 AM31
Chewing time and volatile fatty acid production in steers [Feed roughage]. Sudweeks, E M; Holmes, M R *Proc West Sect Am Soc Anim Sci* 26: 133-136. Ref. 1975

023857 389.9 AM31
Digestibility of grain sorghum stover and wheat straw supplemented with NPN [nonprotein nitrogen, cattle]. Swingle, R S; Waymack, L B *Proc West Sect Am Soc Anim Sci* 26: 125-128. Ref. 1975

023858 389.9 AM31
Effect of cubing or baling alfalfa on rumen function [Cattle]. Radloff, H D; Marshall, B; Maxfield, S L; Henschel, H L; Rice, R W *Proc West Sect Am Soc Anim Sci* 26: 140-142. Ref. 1975

023859 389.9 AM31
Effect of rice bran on pig performance and carcass. Brooks, C C; Lumanta, I G Jr *Proc West Sect Am Soc Anim Sci* 26: 115-117. Ref. 1975

023860 389.9 AM31
Estimating digestible energy from chemical analyses [Feeds, sheep, swine, rabbits]. Fonnesbeck, P V; Harris, L E; Kearl, L C *Proc West Sect Am Soc Anim Sci* 26: 121-124. Ref. 1975

023861 389.9 AM31
Evaluation of irrigated pasture species [Festuca arundinacea, Agropyron elongatum, Dactylis glomerata, cattle]. Savage, R O; Wallace, J D; Williams, D H *Proc West Sect Am Soc Anim Sci* 26: 157-159. Ref. 1975

023862 389.9 AM31
Evaluation of wheat straw in feeder lamb rations. Hackett, M R; Hillers, J K; Kromann, R P; Martin, E L *Proc West Sect Am Soc Anim Sci* 26: 143-145. 1975

023863 389.9 AM31
Feeding grass straws to wintering cows. Vavra, M; Phillips, R L; McArthur, J A B *Proc West Sect Am Soc Anim Sci* 26: 137-139. 1975

023864 389.9 AM31
L-lysine and DL-methionine supplements in barley-soy pig diets. Newman, C W; Elliott, D O *Proc West Sect Am Soc Anim Sci* 26: 105-107. Ref. 1975

023865 389.9 AM31
Rice bran composition and digestibility by the pig. Brooks, C C; Lumanta, I G Jr *Proc West Sect Am Soc Anim Sci* 26: 112-114. Ref. 1975

023866 389.9 AM31
Sheep and goat grazing responses in the Pre-Sahara. Griego, R R; Malechek, J C *Proc West Sect Am Soc Anim Sci* 26: 151-154. Ref. 1975

023867 389.9 AM31
Summer gain as influenced by winter treatment [Forage, protein supplements, cattle]. Nichols, N E; Lesperance, A L *Proc West Sect Am Soc Anim Sci* 26: 149-150. 1975

023868 389.9 AM31
Waxy vs normal barley in rat and pig diets. Calvert, C C; Newman, C W; Eslick, R; Goering, K G *Proc West Sect Am Soc Anim Sci* 26: 108-111. Ref. 1975

023869 281.9 B87
Fattening lambs. (Fre) Cazes, J P *Prod Agric Fr* 51 (176): 21, 23. Sept 15, 1975

023870 281.9 B87
Mineral and vitamin supplementation of cattle. (Fre) Rochet, M; Gueguen, L; Meissonnier, E *Prod Agric Fr* 51 (176): 25-27. Sept 15, 1975

023871 23 Q33
Iodine supplementation could mean better lambs. Knights, G; Hopkins, P *Queensl Agric J* 101 (4): 419-423. July/Aug 1975

S537.M3A24
1975 proceedings, Nevada/California beef conference [Cattle grazing, pasture management]. Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103, 34 P. Feb 1975

023872 41.8 R24
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and fattening of castrated male pigs. (Fre) Szumowski, P; Theret, M *Recl Med Vet* 151 (10): 549-556. Ref. Eng. Sum. Oct 1975

023873 107.6 H68
Determination method of digestibility of forage dry matter and cell wall constituent by artificial rumen—neutral detergent treatment. (Jpn) Tobino, T; Mikami, N *Res Bull Hokkaido Natl Agric Exp Stn* 110: 71-80. Ref. Eng. Sum. Jan 1975

023874 107.6 H68
Seasonal change of palatability of orchardgrass [Dactyis] varieties [Ewes, grazing]. (Jpn) Saiga, S; Kawabata, S *Res Bull Hokkaido Natl Agric Exp Stn* 109: 87-95. Eng. Sum. Dec 1974

023875 107.6 H68
Studies on all season management of beef cattle with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their compensational growth in spring. (Jpn) Miyashita, A; Hayakawa, Y *Res Bull Hokkaido Natl Agric Exp Stn* 109: 49-59. Eng. Sum. Dec 1974

023876 107.6 H68
Studies on the weaning and grazing of calves. 1. The grazing grasses [Dactylis, Ladino clover] and rumen adaptation. (Jpn) Hayakawa, Y; Miyashita, A *Res Bull Hokkaido Natl Agric Exp Stn* 110: 59-69. Ref. Eng. Sum. Jan 1975

023877 107.6 H68
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 3. Growth to the first calving of two groups at the same body weight. (Jpn) Okamoto, S; Imaizumi, E; Shijimaya, K *Res Bull Hokkaido Natl Agric Exp Stn* 110: 45-58. Ref. Eng. Sum. Jan 1975

023878 107.6 H68
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. (Jpn) Okamoto, S; Imaizumi, E; Shijimaya, K *Res Bull Hokkaido Natl Agric Exp Stn* 109: 131-148. Ref. Eng. Sum. Dec 1974

023879 100 H313P
Value of crushed coral as a source of calcium in layer rations [Chickens]. Ross, E; Hawaii Agricultural Experiment Station *Res Rep Hawaii Agric Exp Stn* 204, 9 P. Nov 1974

023880 SF15.K8A37
Studies on the nutritive value of swine feed. II. Determining the digestibility of nutrients in some concentrates with swine. (Kor) Lee, J W; Han, S Y; Kim, K S; Kang, T H *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 77-82. Ref. Eng. Sum. Aug 1975

023881 SF15.K8A37
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and calf starter to early weaning and suckling calves for growing and fattening. (Kor) Cheong, S K; Ra, K J; Kim, H S; Paik, B H; Kang, T H *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 91-97. Ref. Eng. Sum. Aug 1975

023882 284.9 M58
A comparison of least cost swine rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 70-73. Sept 1975

023883 284.9 M58
Availability of nutrients in swine waste [Feed]. Orr, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 92-94. Sept 1975

023884 284.9 M58
Bioavailability of lysine in ring process blood meal for swine. Parsons, M J; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 45-49. Sept 1975

023885 284.9 M58
Butanediol as an energy source for pigs [Feeding]. Romsos, D R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 53-56. Sept 1975

023886 284.9 M58
Choline in the sow gestation-lactation diet. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 2-3. Sept 1975

023887 284.9 M58
Copper requirement of baby pigs on casein diets. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 26-30. Sept 1975

023888 284.9 M58
Dietary caloric density and caloric utilization by pigs. Vathana, S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 57-61. Sept 1975

023889 284.9 M58
Dietary vitamin E level, performance, tissue selenium and selenium balance in growing-finishing swine. Hitchcock, J P; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 105-108. Sept 1975

023890 284.9 M58
Effect of parenteral iron [supplementation] on serum electrolytes [Swine]. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 20-25. Sept 1975

023891 284.9 M58
Evaluation of an amino acid-iron chelate hematinic [Swine, feeding]. Brady, P S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 4-6. Sept 1975

023892 284.9 M58
Extruded soybeans for growing-finishing swine. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 66-69. Sept 1975

023893 284.9 M58
High moisture, acid-treated opaque-2, waxy and dent corn rations for growing-finishing pigs. Sachtleben, S S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 81-85. Sept 1975

023894 284.9 M58
Level of lysine in corn-soybean meal growing-finishing [swine] rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 74-77. Sept 1975

023895 284.9 M58
Manganese requirement of the baby pig. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 31-34. Sept 1975

023896 284.9 M58
Moldy [Fusarium graminearum] wheat refusal by swine. Miller, E R; Smith, N A; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 90-91. Sept 1975

023897 284.9 M58
Pig starter [ration] studies. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 39-44. Sept 1975

023898 284.9 M58
Protein evaluation of triticale varieties [as feed] for weanling pigs. Erickson, J P; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 50-52. Sept 1975

023899 284.9 M58
Report of swine research, 1975 [Feeding]. Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289, 122 P. Sept 1975

023900 284.9 M58
Selenium retention as affected by iron oxide in the premix [Swine rations]. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 109-111. Sept 1975

023901 284.9 M58
Subcutaneous injections of raw egg white into growing pigs [Nutrition]. Oh, B T; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 78-80. Sept 1975

023902 284.9 M58
Swine waste nutrient recycling [Drinking water]. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 95-99. Sept 1975

023903 284.9 M58
Use of oats and animal fat in swine rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 62-65. Sept 1975

023904 284.9 M58
Utilization of inorganic sulfur by growing-finishing pigs. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 100-104. Sept 1975

284.9 M58
Zinc deficiency and protein synthesis in the pig. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 35-38. Sept 1975

023905 100 OK4M
Effects of two levels of milk intake on calves of two growth potentials. Wyatt, R D; Knori, L; Gould, M B; Totusek, R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 34-37. Oct 1975

023906 100 OK4M
Feedlot performance and carcass evaluation of various two-breed cross steers fed at weaning age and as yearlings. Frahm, R; Boyd, M; Walters, L; Eason, J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 50-57. Oct 1975

023907 100 OK4M
Short-term feeding of methionine hydroxy analog to beef brood cows: Does it increase calf weaning weights? Horn, G W; Gordon, J L; Totusek, R; Knori, L; Gould, M; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 45-49. Oct 1975

023908 100 OK4M
The effect of winter feed levels of reproductive performance of beef cows and heifers. Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 9-19. Oct 1975

023909 100 OK4M
The Fort Reno beef research program [Fattening cattle]. Horn, F P; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 2. Oct 1975

023910 100 OK4M
The wheat plant for cows [Pastures, beef cattle]. Wagner, D; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 38-39. Oct 1975

023911 13 R322
Beef production, fattening young cattle. Energy supplementation of diets with a maize silage base. (Fre) Cordiez, E; Pondant, A; Lambot, O; Bienfait, J M; Eenaeme, C van; Denayer, J *Rev Agric (Brux)* 28 (4): 869-900. Ref. July/Aug 1975

023912 13 R322
Nitrogen metabolism and digestibility of feeds in Thornber hybrid and Belgian Landrace swine. (Fre) Eeeckhout, W; Bekaert, H *Rev Agric (Brux)* 28 (4): 813-827. Eng. Sum. July/Aug 1975

023913 46.9 AS5
Swine feeding: recent trends in nutrition with proteins and amino acids. (Spa) Allen, N K *Rev Asoc Argent Criad Cerdos* 54 (629/630): 27-31. Jan/Feb 1975

023914 43.8 R32
Aspects of feeding swine. (Por) Paulin Neto, L *Rev Criad* 45 (540): 50-52, 92. Jan 1975

023915 43.8 R32
Fattening cattle in confinement. (Por) Veiga, J S *Rev Criad* 45 (540): 9-16, 68. Jan 1975

023916 43.8 R32
Feeding, a vital problem [Dogs]. (Por) Mendes, A C *Rev Criad* 45 (545): 77-78. June 1975

023917 43.8 R32
New method of liquid feeding of beef cattle. (Por) Platt, B *Rev Criad* 45 (540): 45-46. Jan 1975

023918 SF95.R42
Effects of chopping ensilaged alfalfa (Medicago sativa L.) and the conservation process on the feeding behavior of sheep. (Spa) Gomez Ballesteros, J P *Rev Nutr Anim* 13 (1): 7-19. Ref. Eng. Sum. Jan/Mar 1975

023919 SF95.R42
Effects of different systems of alfalfa preservation on the ingestion, digestibility and passage speed of feed residues in adult sheep. (Spa) Gomez Ballesteros, J P *Rev Nutr Anim* 13 (1): 35-53. Jan/Mar 1975

023920 SF1.R54
Artificial rearing of lambs [Reconstituted milk, feed]. (Ita) Lucifero, M *Rilancio Agric Vet Zootec* 6 (2/3): 7-9. 1974

023921 SF1.R54
Nitrogen requirements of cattle. (Ita) Lehmann, I *Rilancio Agric Vet Zootec* 6 (7): 38-39. 1974

023922 SF1.R54
The "meat plan": From the law to the barn [Cattle, feeding]. (Ita) Mainardi, B *Rilancio Agric Vet Zootec* 6 (5/6): 6-7. (Continued) 1974

023923 SF1.R54
The "meat plan: From the law to the barn [Cattle, feeding]. (Ita) Mainardi, B *Rilancio Agric Vet Zootec* 6 (7): 4-6. (Continued) 1974

023924 SF1.R55
Apparent digestibility of the amino acids of sunflower and sesame seed meals in laying hens. (Ita) Canale, A; Turi, R M; Valente, M E *Riv Zootec Vet* 4: 335-343. Ref. Eng. Sum. July/Aug 1975

023925 SF1.R55
Aspects and problems of animal nutrition: investigations and reflections on the use of rapeseed meal. (Ita) Masoero, P *Riv Zootec Vet* 3: 199-205. (Continued) May/June 1975

023926 SF1.R55
Aspects and problems of animal nutrition: investigations and reflections on the use of rapeseed meal. (Ita) Masoero, P *Riv Zootec Vet* 4: 299-303. (Continued) July/Aug 1975

023927 SF1.R55
Feeding and pigmentation in aviculture [Poultry]. (Ita) Ruffini Castrovilli, C; De Giovanni, A M *Riv Zootec Vet* 3: 279-288. (Continued) May/June 1975

023928 SF1.R55
Feeding and pigmentation in aviculture [Poultry]. (Ita) Ruffini Castrovilli, C; De Giovanni, A M *Riv Zootec Vet* 4: 319-333. (Concluded) Eng. Sum. July/Aug 1975

023929 SF1.R55
Observations on the characteristics of cow's milk in relation to the urea in feed. (Ita) Mariani, P; Catalano, A *Riv Zootec Vet* 3: 253-271. Ref. Eng. Sum. May/June 1975

023930 SB183.S3
Live weight growth and reproducibility of breeding bulls reared with free feed consumption. (Ger) Antal, J; Fasko, J *Sci Agric Bohemoslov* 7 (1): 49-57. Ref. Eng. Sum. 1975

023931 107.6 OK12
The transference of dietary mercury to the eggs in chickens. (Jpn) Tanabe, A; Hiramatsu, K; Hara, K; Toriumi, T *Sci Rep Fac Agric Okayama Univ* 45: 27-32. Ref. Eng. Sum. Mar 1975

41.8 SO82
Supportive nutritional care for foals born to iso-immunized mares. Davis, D I; Hairgrove, T B *Southwest Vet* 28 (3): 239-242. 1975

023932 100 AR42SP
Forage systems for dairy cattle. Daniels, L B; Spooner, A E; Flynn, C; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 3-5. Oct 1975

023933 100 AR42SP
Silage in dairy rations. Stallcup, O T; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 6-8. Oct 1975

023934 298.8 SE42
Feeding, rumen biochemistry and milk production. (Ita) Caselli, R *Tec Molit* 26 (10): 115-118. Oct 1975

023935 49 T445
It is valuable to mobilize reserves in fattening bulls. (Ger) Burckhardt, I *Tierzuchter* 27 (11): 485-489. Nov 5, 1975

023936 49 T445
Studies on feeding level for dry cattle. (Ger) Farries, E *Tierzuchter* 27 (11): 476, 478-480. Nov 5, 1975

023937 20 M66
Evaluating the nutritive value of feeds for sugar-protein ratios. (Bel) Halushka, V M; Mal'cheuskaia, E N; Hrakovich, L I *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 99-103. Ref. 1975

023938 20 M66
Raising remontant heifers on different types of feed. (Bel) Rydak, P A *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 93-98. 1975

023939 41.8 V6439
Modern trends in analytics of vitamins. (Cze) Blattna, J; Cerna, J; Pickova, J *Veterinarstvi* 25 (9): 401-403. 1975

023940 41.8 V6439
Veterinary activities in the field of nutrition and dietetics in Slovakia in 1971-1974. (Slo) Korcek, M; Bugarsky, A *Veterinarstvi* 25 (9): 391-392. 1975

023941 20 V82
Carbohydrate nutritive value of several feeds on farms of the Dnieper-right-bank forest-steppe region of the Ukraine. (Ukr) Humeniuk, H O *Visn Sil's'kohospod Nauki* 9: 72-76. Sept 1975

023942 20 V82
Change in nitrogen concentration in chyme of the small intestine in steers fed various dosages of urea. (Ukr) Lema, I T *Visn Sil's'kohospod Nauki* 7: 81-84. July 1975

023943 20 V82
Use of soybeans in the feed rations of lactating cows. (Ukr) Shcherbakov, V M; Rohal's'ka, L S *Visn Sil's'kohospod Nauki* 9: 84-87. Sept 1975

023944 389.9 K542
Exploitation of some wastes of vegetable oils as sources of vitamin E in animal and poultry husbandry. (Rus) Nadirov, N K; Morozov, V S; Safronova, N N; Khafizov, R Kh *Vitaminy* 8: 150-154. Ref. 1975

023945 389.9 K542
Functional interrelations of vitamins E and K in animal metabolism [Nutrition]. (Rus) Matusis, I I *Vitaminy* 8: 71-79. Ref. 1975

389.9 K542
Present questions on the biochemistry of vitamin E [Human and animal nutrition]. (Rus) Chagovets, R V; Lakhno, E V *Vitaminy* 8: 3-7. Ref. 1975

023946 389.9 K542
Production and physiological activity of tocopherols and their analogues [Livestock nutrition]. (Rus) Svishchuk, A A; Basalkevich, E D *Vitaminy* 8: 157-163. Ref. 1975

023947 389.9 K542
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. (Rus) Koval'skii, V V; Ermakov, V V *Vitaminy* 8: 80-87. Ref. 1975

023948 389.9 K542
Vitamin E in the nutrition of livestock. (Rus) Val'dman, A R *Vitaminy* 8: 105-122. Ref. 1975

023949 389.9 K542
Vitamin E, selenium and amino acids containing sulfur [Animal nutrition]. (Rus) Shtutman, TS M; Sukharevskaia, A M *Vitaminy* 8: 87-96. Ref. 1975

023950 SF191.W6
Minimum concentrate feeding for efficient milk production [Cattle]. Hibbs, J W; Conrad, H R; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 33-38. 1975

023951 389.78 Z3
A study of the nitrogen balance of cows fed with urea. (Ger) Teller, E; De Baere, R; Lousse, A *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 105-112. Ref. Eng. Sum. Dec 1975

023952 389.78 Z3
Essentiality of nickel for the growth of animals. (Ger) Schnegg, A; Kirchgessner, M *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 63-74. Ref. Eng. Sum. Dec 1975

023953 389.78 Z3
Interactions of dietary iron and manganese in growing rats. (Ger) Djahanschiri, H; Omid-Fard, N; Brune, H *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 92-105. Ref. Eng. Sum. Dec 1975

023954 389.78 Z3
Pregnancy anabolism of copper in relation to the copper supply. (Ger) Kirchgessner, M; Spoerl, R *Z Tierphysiol Tierernahr Futtermittelkd* 36 (2): 75-86. Ref. Eng. Sum. Dec 1975

023955 49 Z6
Dependence of the productive and reproductive qualities of ducks on their feeding level. (Rus) Konovalov, V I *Zhivotnovodstvo* 6: 61-63. June 1975

023956 49 Z6
Effects of ammonium perchlorate on cattle growth and meat quality. (Rus) Grigorian, G Sh; Chumatova, Kh R; Gavrushkaev, V Ch *Zhivotnovodstvo* 6: 57-58. June 1975

023957 49 Z6
Influence of phytoestrogens on milk productivity of cows [Feed supplements]. (Rus) Palfii, F IU; Kozlenko, V I; Malik, O G; Nesviachenaia, O T; Golovetskaia, G V; Lun', M I; Koval'chik, O R *Zhivotnovodstvo* 8: 66-67. Aug 1975

023958 49 Z6
Meal from tannery wastes in swine rations. (Rus) Ladan, P E; Spasskov, V I *Zhivotnovodstvo* 6: 42-44. June 1975

023959 49 Z6
Milk productivity of cows gives a feed supplement of thyroprotein and glucavamorin P10x. (Rus) Stepanov, D D; Kuchenev, P V; Razmakhnin, IU E *Zhivotnovodstvo* 8: 68-69. Aug 1975

023960 49 Z6
Mineral requirements of cattle. (Rus) Tomme, M F; Duksin, IU P *Zhivotnovodstvo* 8: 56-59. Aug 1975

023961 49 Z6
Preparation and use of briquet and granular feeds [Cattle]. (Rus) Ernst, L K; Boiarskii, L G *Zhivotnovodstvo* 6: 28-32. June 1975

023962 49 Z6
Problems in the allotment of concentrated feeds on milking platforms. (Rus) Laurs, A R *Zhivotnovodstvo* 6: 91-92. June 1975

023963 49 Z6
Productivity of young cattle fed a ration enriched with Propiovit [Costs, returns]. (Rus) Tolokonnikov, IU A; Kuzina, R M *Zhivotnovodstvo* 8: 62-63. Aug 1975

023964 49 Z6
Rational methods of preparing and utilizing feeds in the western provinces of the Ukrainian SSR. (Rus) Vasilenko, D IA; Stoliarchuk, A Z *Zhivotnovodstvo* 8: 60-62. Aug 1975

023965 49 Z8
Effect of a high-concentrated combined vitamin-preparation (AD3E) on important parameters of the reproductive performance of the sow. (Ger) Bader, J; Kayser, G *Zuchtungskunde* 47 (5): 319-328. Ref. Eng. Sum. Sept/Oct 1975

023966 49 Z8
The addition of citric acid to piglet rations. (Ger) Kirchgessner, M; Roth-Maier, D A *Zuchtungskunde* 47 (5): 329-335. Eng. Sum. Sept/Oct 1975

LIVESTOCK BREEDING

023967 444.8 AC82
A study on the different types of spermatogonia in buffalo (Bubalus bubalis). Dhingra, L D; Goyal, H O *Acta Anat* 93 (2): 219-227. Ref. 1975

023968 41.8 AC87
Ova transfer in Danish blue white cattle. Greve, T; Hansen, H B *Acta Vet Scand* 16 (3): 465-467. 1975

023969 41.8 AC87
The effect of exogenous administration of oestrogens on the function of the epididymis and the accessory sex glands in the boar. Linde, C; Einarsson, S; Gustafsson, B *Acta Vet Scand* 16 (3): 456-464. Ref. 1975

023970 41.8 AC87
The fertility of deep-frozen ram semen supplemented with PGF2alpha [Prostaglandin F2alpha]. Gustafsson, B; Edqvist, S; Einarsson, S; Linge, F *Acta Vet Scand* 16 (3): 468-470. 1975

023971 43.8 AF8
Do Africander cattle breeders attach too much importance intheir selections to characters which are not associated with production? (Afr) Vorster, T H *Afrikanerbees J* 20 (2): 46-55. June 1975

023972 256.13 AG82M
Conception rates in suckler herds. [Cattle]. O'Neill, D G *Agric North Irel* 50 (5): 130-135. Sept 1975

023973 256.13 AG82M
Pig testing results [Boar progeny tests completed during the period December 1974—July 1975]. *Agric North Irel* 50 (5): 141-143. Sept 1975

023974 SF1.L32
Phenotypic relationships between relatives in the Neudamm Karakul stud [Sheep]. (Afr) Schoeman, S J; Le Roux, P J *Agroanimalia* 7 (3): 73-75. Eng. Sum. Sept 1975

023975 SF1.L32
Results of test matings with pigmented Angora goats. (Afr) Nel, J E *Agroanimalia* 7 (3): 77-80. Sept 1975

023976 QP98.A1A5
Adenosine deaminase in the pig: tissue-specific patterns and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. Widar, J; Ansay, M *Anim Blood Groups Biochem Genet* 6 (2): 109-116. Ref. 1975

023977 QP98.A1A5
Note on a third allele in th erythrocytic NP [nucleoside phosphorylase] system of cattle. Ansay, M *Anim Blood Groups Biochem Genet* 6 (2): 121-124. 1975

023978 442.8 AN75
A progestogen (chlormadinone acetate = CAP) for cycle control and infertility treatment in the mare. Arbeiter, K; Jochle, W *Ann Biol Anim Biochim Biophys* 15 (2): 385-386. 1975

023979 442.8 AN75
Characteristics of prostaglandins [Livestock]. Walpole, A L *Ann Biol Anim Biochim Biophys* 15 (2): 389-406. Ref. 1975

023980 442.8 AN75
Control of ovulation, fertility and endocrine response after prostaglandin F2alpha in cattle. Louis, T M; Hafs, H D; Stellflug, J N *Ann Biol Anim Biochim Biophys* 15 (2): 407-417. Ref. 1975

023981 442.8 AN75
Control of the oestrous cycle in Friesian heifers with ICI 80,996, a synthetic prostaglandin analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. Cooper, M J; Rowson, L E A *Ann Biol Anim Biochim Biophys* 15 (2): 427-436. Ref. 1975

023982 442.8 AN75
Determination of the moment of ovulation in ewe and sow. Influence of environment and hormonal treatment. Signoret, J P; Cognie, Y *Ann Biol Anim Biochim Biophys* 15 (2): 205-214. Ref. 1975

023983 442.8 AN75
Estrus control in gilts with norethandrolone injections and an analogue of prostaglandins (ICI 80996). Martinat-Botte, F *Ann Biol Anim Biochim Biophys* 15 (2): 383-384. 1975

023984 442.8 AN75
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. Grunert, E *Ann Biol Anim Biochim Biophys* 15 (2): 273-280. Ref. 1975

023985 442.8 AN75
Follicular growth during the normal cycle and after treatment with progestagens in the ewe. Kruip, T A M; Brand, A *Ann Biol Anim Biochim Biophys* 15 (2): 191-204. Ref. 1975

023986 442.8 AN75
Induction of estrus, ovulation and fertility in prepuberal gilts. Baker, R D; Downey, B R *Ann Biol Anim Biochim Biophys* 15 (2): 375-382. Ref. 1975

023987 442.8 AN75
Induction of gestation during lactation in the sow. Martinat-Botte, F *Ann Biol Anim Biochim Biophys* 15 (2): 369-374. Ref. 1975

023988 442.8 AN75
Interactions between ovarian steroids or progestagens and LH [luteinizing hormone] release [Domestic animals]. Pelletier, J; Thimonier, J *Ann Biol Anim Biochim Biophys* 15 (2): 131-146. Ref. 1975

023989 442.8 AN75
Low fertility in nursing ewes during the non-breeding season. Gognie, Y; Hernandez-Barreto, M; Saumande, J; Andre, D; Berthelot, F; Bezard, J *Ann Biol Anim Biochim Biophys* 15 (2): 329-343. Ref. 1975

023990 442.8 AN75
Lutela regression in domestic animals [Cattle]. Hansel, W *Ann Biol Anim Biochim Biophys* 15 (2): 147-160. Ref. 1975

023991 442.8 AN75
Luteolysis induced by prostaglandin F2alpha compared with natural luteolysis in the ewe. An ultrastructural study. Corteel, M *Ann Biol Anim Biochim Biophys* 15 (2): 175-180. Ref. 1975

023992 442.8 AN75
Normal fertility induced in cow by double short treatment with chlormadinone acetate (CAP). Rey, J *Ann Biol Anim Biochim Biophys* 15 (2): 297-299. 1975

023993 442.8 AN75
Ovulation and endocrine response after LH-RH [luteinizing hormone-releasing hormone] in domestic animals [Cattle]. Britt, J H *Ann Biol Anim Biochim Biophys* 15 (2): 221-231. Ref. 1975

023994 442.8 AN75
Ovulation control in cattle with progesterone intravaginal device (PRID) and gonadotropin releasing hormone (GnRH). Mauer, R E; Webel, S K; Brown, M D *Ann Biol Anim Biochim Biophys* 15 (2): 291-296. 1975

023995 442.8 AN75
Prostaglandin F2alpha and luteal regression in the ewe: comparison with 16 aryloxyprostaglandin (I. C. I. 80, 996). Baird, D T; Scaramuzzi, R J *Ann Biol Anim Biochim Biophys* 15 (2): 161-174. Ref. 1975

023996 442.8 AN75
Prostaglandins and superovulation in the bovine. Phillippo, M; Rowson, L E A *Ann Biol Anim Biochim Biophys* 15 (2): 233-240. Ref. 1975

023997 442.8 AN75
Symposium on the Control of Sexual Cycles in Domestic Animals, October 27-30, 1974, Nouzilly. Symposium on the Control of Sexual Cycles in Domestic An; Imals, Nouzilly, 1974 *Ann Biol Anim Biochim Biophys* 15 (2), 498 P. 1975

023998 442.8 AN75
Synchronization and induction of estrus in heifers with a progestagen and estrogen. Wiltbank, J N; Gonzalez-Padilla, E *Ann Biol Anim Biochim Biophys* 15 (2): 255-262. Ref. 1975

023999 442.8 AN75
Synchronization of Oestrus in cows using intravaginal silastic coils containing progesterone. Roche, J F *Ann Biol Anim Biochim Biophys* 15 (2): 301-302. 1975

024000 442.8 AN75
Synchronization of oestrus in heifers and cyclic cows with progestagens and prostaglandins analogues alone or in combination. Thimonier, J; Chupin, D; Pelot, J *Ann Biol Anim Biochim Biophys* 15 (2): 437-449. Ref. 1975

024001 442.8 AN75
Synchronization of oestrus and ovulation in the mare with a two PG-HCG [prostaglandin-human chorionic gonadotropin] sequences treatment. Palmer, E; Jousset, B *Ann Biol Anim Biochim Biophys* 15 (2): 471-480. 1975

024002 442.8 AN75
The control of reproduction in the nursing cow with a progestagen short-term treatment. Chupin, D; Pelot, J; Thimonier, J *Ann Biol Anim Biochim Biophys* 15 (2): 263-271. Ref. 1975

024003 442.8 AN75
The effect of oestrogens alone or in association with progestagens on the formation and regression of the corpus luteum of the cyclic cow. Lemon, M *Ann Biol Anim Biochim Biophys* 15 (2): 243-253. 1975

024004 442.8 AN75
The time of ovulation in heifers after progestin (SC 9880; SC 21009) treatment. Wishart, D F *Ann Biol Anim Biochim Biophys* 15 (2): 215-220. Ref. 1975

024005 442.8 AN75
The use of progestogens in cattle under tropical or subtropical conditions. Jochle, W *Ann Biol Anim Biochim Biophys* 15 (2): 281-290. Ref. 1975

024006 442.8 AN75
The use of progestagens in sheep bred by natural and artificial insemination. Gordon, I *Ann Biol Anim Biochim Biophys* 15 (2): 303-315. Ref. 1975

024007 442.8 AN75
The use of progestagen SC 9880 as an aid for artificial insemination in ewes. Colas, G; Guerin, Y *Ann Biol Anim Biochim Biophys* 15 (2): 317-327. Ref. 1975

024008 442.8 AN75
The use of progestagens and photoperiodism in improving the reproductive rate of the ewe. Robinson, J J; Fraser, C; McHattie, I *Ann Biol Anim Biochim Biophys* 15 (2): 345-352. Ref. 1975

024009 442.8 AN75
The use of progestagens to control the oestrous cycle of the dairy goat. Corteel, J M; Baril, G; Bariteau, F; Bussiere, J; Leboeuf, B; Montigny, G de *Ann Biol Anim Biochim Biophys* 15 (2): 353-363. Ref. 1975

024010 442.8 AN75
The use of prostaglandins in cattle [breeding]. Lauderdale, J W *Ann Biol Anim Biochim Biophys* 15 (2): 419-425. Ref. 1975

024011 442.8 AN75
The use of prostaglandin F2alpha given by either intrauterine infusion or by intramuscular injection for the control ofoestrus and ovulation in cattle. Moore, N W *Ann Biol Anim Biochim Biophys* 15 (2): 451-460. 1975

024012 442.8 AN75
The use of synthetic analogues of prostaglandins for inducing luteolysis in mares. Allen, W R; Cooper, M J *Ann Biol Anim Biochim Biophys* 15 (2): 461-469. Ref. 1975

024013 QH431.A1A52
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and Charolais breeds and their crossings. II. Fattening and carcass performances in males. (Fre) Colleau, J J; Briend, M; Dupont, M; Chambeyron, J J; Muller, A; Daburon, E; Noel, P *Ann Genet Sel Anim* 7 (1): 35-48. Ref. Eng. Sum. 1975

024014 QH431.A1A52
Efficiency of selection concerning the nipple number in Pietrain swine. (Fre) Hanset, R; Widar, J *Ann Genet Sel Anim* 7 (1): 91-97. Eng. Sum. 1975

024015 QH431.A1A52
Genetic improvement of milk yield in Sardinian ewes. I. Heritabilities and correlations between characters. (Fre) Casu, S; Carta, R; Flamant, J C; Briend, M; Ruda, G; Carta, P *Ann Genet Sel Anim* 7 (1): 73-90. Ref. Eng. Sum. 1975

024016 QH431.A1A52
Genetic study of early activity in open-field of the young chicken. (Fre) Faure, J M; Folmer, J C; Morozeau, F *Ann Genet Sel Anim* 7 (1): 123-132. Ref. Eng. Sum. 1975

024017 QH431.A1A52
Population genetics of Marseilles' domestic cats. (Fre) Dreux, P *Ann Genet Sel Anim* 7 (1): 23-33. Map. Ref. Eng. Sum. 1975

024018 QH431.A1A52
Possibility of reducing calving difficulties by selection. III. A note on pelvic size in relation to body weight of cattle. Taylor, S C S; Monteiro, L S; Perreau, B *Ann Genet Sel Anim* 7 (1): 49-57. 1975

024019 QH431.A1A52
Studies on milk production in cattle. II. Usefulness of partial lactation records for selection. Relations between partial, last test day and total yields. (Fre) Mocquot, J C; Auran, T *Ann Genet Sel Anim* 7 (1): 59-71. Eng. Sum. 1975

024020 QH431.A1A52
Studies on the genetics of trotting performance in Dutch trotters. I. The heritability of trotting performance [Horses]. Minkema, D *Ann Genet Sel Anim* 7 (1): 99-121. Ref. 1975

024021 QH431.A1A52
Study of a sex linked dwarfing gene in the fowl: oviposition time and characteristics of the successive eggs in laying sequences. (Fre) Amin-Bakhche, M; Merat, P *Ann Genet Sel Anim* 7 (1): 13-22. Eng. Sum. 1975

024022 QH431.A1A5
Eukaryotic chromosome replication. Edenberg, H J; Huberman, J A *Annu Rev Genet* 9: 245-284. Ref. 1975

024023 QH431.A1A5
The organization, expression, and evolution of antibody genes and other multigene families. Hood, L; Campbell, J H; Elgin, S C R *Annu Rev Genet* 9: 305-353. Ref. 1975

024024 QL750.A6
Mating activity and its relationship to reproductive performance in Merino sheep. Fowler, D G *Appl Anim Ethology* 1 (4): 357-368. Map. Ref. Oct 1975

024025 41.8 EX7
Investigations on improving the fertility of aged sows. I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. (Ger) Schnurrbusch, U; Mehlhorn, I; Elze, K *Arch Exp Veterinarmed* 29 (5): 667-678. Ref. Eng. Sum. 1975

024026 41.8 EX7
Investigations on improving the fertility of aged sows. 2. Histological structure on the endometrium at different stages of the cycle. (Ger) Mehlhorn, I; Schnurrbusch, U; Rittenbach, P; Elze, K; Erices, J; Freysoldt, C *Arch Exp Veterinarmed* 29 (5): 679-687. Eng. Sum. 1975

024027 41.8 EX7
Investigations on improving the fertility of aged sows. 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of sows during normallactation and very early weaning. (Ger) Elze, K; Schnurrbusch, U; Mehlhorn, I; Rittenbach, P; Rummer, H J; Freysoldt, C *Arch Exp Veterinarmed* 29 (5): 689-699. Ref. Eng. Sum. 1975

024028 49 AR23
Problems of linebreeding and crossbreeding beef cattle. (Ger) Klautschek, G; Matthes, W *Arch Tierz* 18 (3): 151-162. Ref. Eng. Sum. 1975

024029 49 AR23
Relationships between the performances of ancestors and direct offspring as well as between first inspection results of young bulls and their breeding values. 4. Relationships. (Ger) Pilz, K; Schonmuth, G *Arch Tierz* 18 (3): 183-191. Eng. Sum. 1975

024030 100 AR42F
The Beef Substation [of the University of Arkansas, Agricultural Experiment Station, cattle breeding]. Wallace, B; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 10. Nov/Dec 1975

024031 AS21.A75U45
USDA-DHIA [Dairy Herd Improvement Association] cow index list, spring 1975 [Performance]. Powell, R L; Dickinson, F N; Norman, H D; King, G J; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 25-2, 388 P. 1975

024032 23 AU783
Effectiveness of selection for growth rate in Zebu X British crossbred cattle. II. Post-weaning growth and genetic estimates. Seifert, G W *Aust J Agric Res* 26 (6): 1093-1108. Ref. Nov 1975

024033 23 AU783
Response of teat enzymes of sheep and cattle to stimulation by stilboestrol and oestrogenic subterranean clover. Smithard, R; Cole, E R; Kennedy, J P *Aust J Agric Res* 26 (6): 1009-1015. Ref. Nov 1975

024034 41.8 AU72
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and carcase weight. Ladds, P W; Summers, P M; Humphrey, J D *Aust Vet J* 51 (10): 472-477. Ref. Oct 1975

024035 QL673.A93
Incubation [Avian eggs including poultry]. Drent, R *Avian Biol* 5: 333-420. Ref. 1975

024036 57.9 AR1
Measures for maintaining fertility on top-performance [dairy] farms. (Ger) Lotthammer, K H *Ber Arbeitstag Fragen Gulle* P. 207-230. Ref. 1974

024037 442.8 B5236
Cationic dependency of high affinity prostaglandin F2alpha receptors in bovine corpus luteum cell membranes. Rao, C V *Biochem Biophys Res Commun* 67 (3): 1242-1250. Ref. Dec 1, 1975

024038 QL876.B5
Role of catecholamines in photoperiodically-induced gonadal development in Coturnix quail. el Halawani, M E; Burke, W H *Biol Reprod* 13 (5): 603-609. Ref. Dec 1975

024039 QL876.B5
Some physiological characteristics of motility in the in vivo avian oviduct [Chickens]. Crossley, J; Ayuy, A; Ferrando, G *Biol Reprod* 13 (5): 495-498. Dec 1975

024040 442.8 B5224
Tests for association of gene frequencies at several loci in random mating diploid populations [Animal genetics]. Hill, W G *Biometrics* 31 (4): 881-888. Ref. Dec 1975

024041 442.8 B5224
The calculation of inbreeding coefficients [Animals]. Falco, M J *Biometrics* 31 (4): 993. Dec 1975

024042 SF779.5.A1B6
Problems with the exotic cross [Cattle]. Cropsey, L M *Bovine Pract* 10: 88-89. Nov 1975

024043 SF779.5.A1B6
Some potential uses of prostaglandins in domestic animals [for controlling estrus in cows, mares and ewes]. Oxender, W D; Sequin, B E *Bovine Pract* 10: 2-4, 6. Nov 1975

024044 396.8 B77
Effects of oestradiol and progesterone on the in vitro production of prostaglandin F2alpha by the guinea-pig uterus. Naylor, B; Poyser, N L *Br J Pharmacol* 55 (2): 229-232. Ref. Oct 1975

024045 47.8 B77
Sexual dimorphism in the weight of chicks. Khan, A G; Poulose, M V; Chakraborti, S *Br Poult Sci* 16 (6): 637-639. Nov 1975

024046 41.8 V643
Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. Hunter, R H F *Br Vet J* 131 (5): 565-573. Ref. Sept/Oct 1975

024047 107.6 K114B
Productive performance of Japanese Black cattle in Kagoshima prefecture. (Jpn) Taketomi, M; Hamasaki, M; Oyamada, T; Maeda, Y; Hashiguchi, T *Bull Fac Agric Kagoshima Univ* 25: 51-56. Eng. Sum. Mar 1975

024048 107.6 K114B
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. I. On the growth of the broilers. (Jpn) Kojima, M; Kako, Y; Goto, S; Mochida, Y; Higashiuwadoko, H *Bull Fac Agric Kagoshima Univ* 25: 103-108. Eng. Sum. Mar 1975

024049 107.6 K114B
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breed. II. On the dissecting yields. (Jpn) Kojima, M; Kako, Y; Goto, S; Mochida, Y *Bull Fac Agric Kagoshima Univ* 25: 109-123. Eng. Sum. Mar 1975

024050 107.6 K114B
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. III. On the chemical composition of muscle. (Jpn) Kojima, M; Kako, Y; Goto, S; Mochida, Y *Bull Fac Agric Kagoshima Univ* 25: 125-138. Eng. Sum. Mar 1975

024051 505 P21 (3)
Evolution of plasma progesterone at the end of pregnancy, of ewe bearing a hypophysectomised fetus. Effect of dexamethasone administration. (Fre) Bosc, M; Fevre, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 559-562. Ref. Eng. Sum. Sept 1, 1975

024052 505 P21 (3)
Relationship between the binding constants of specific testosterone binding plasma proteins and peripheral plasma concentrations of testosterone and LH [luteinizing hormone]. (Fre) Thibier, M; Martin, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 827-830. Ref. Eng. Sum. Sept 22, 1975

024053 443.8 C16
Milk yield in mice selected for growth or maternal ability. White, J M *Can J Genet Cytol* 17 (2): 263-268. Ref. June 1975

024054 QH581.A1Z4
A scanning electron microscopic study of rabbit spermatozoa in the female reproductive tract following coitus. Motta, P; Van Blerkom, J *Cell Tissue Res* 163 (1): 29-44. Ref. 1975

024055 QH581.A1Z4
Fine structural demonstration of acid phosphatase in rabbit germinal epithelium prior to induced ovulation. Cajander, S; Bjersing, L *Cell Tissue Res* 164 (3): 279-289. Ref. 1975

024056 QH581.A1Z4
Luteinizing hormone, progesterone and the morphological development of normal and superovulated corpora lutea in sheep. McClellan, M C; Diekman, M A; Abel, J H Jr; Niswender, G D *Cell Tissue Res* 164 (3): 291-307. Ref. 1975

024057 QH581.A1Z4
Production and fates of unique organelles (transosomes) in ovarian follicles of Gallus domesticus [chickens] under various conditions. II. Schjeide, O A; Kancheva, L; Hanzely, L; Briles, W E *Cell Tissue Res* 163 (1): 63-79. Ref. 1975

024058 442.8 C46
Replication of DNA in mammalian chromosomes. III. Size and RNA content of Okazaki fragments. Taylor, J H; Wu, M; Erickson, L C; Kurek, M P *Chromosoma* 53 (2): 175-189. Ref. 1975

024059 442.8 C992
Triploidy and haploid-triploid mosaicism among chick embryos (Gallus domesticus). Zartman, D L; Smith, A L *Cytogenet Cell Genet* 15 (3): 138-145. Ref. 1975

024060 QH573.C92
Action of exogenous DNA on the eucaryotic organism and its cells [Animals, plants]. Berdyshev, G D; Masyuk, A I *Cytol Genet* 8 (5): 65-76. 1974

024061 HD9275.U53C2
Records aid in reproductive management [Dairy cattle]. Engvall, W L; California University, Berkeley Cooperative Extension Service *Dairy Notes Calif Univ Agric Ext Serv* P. 1-2. Dec 16, 1975

024062 44.9 M382
Anestrus in dairy cattle. Fielden, E D *Dairyfarming Annu* 26th: 104-111. Apr 1975

024063 44.9 M382
Estrus detectors [Dairy cattle]. Morris, G *Dairyfarming Annu* 26th: 24-25. Apr 1975

024064 442.8 D49
Synthesis and amino acid composition of basic proteins in mammalian sperm nuclei. Bellve, A R; Anderson, E; Hanley-Bowdoin, L *Dev Biol* 47 (2): 349-365. Ref. Dec 1975

024065 412.628 D48
Progressive nutria mutation breeding. (Ger) Bettin, L *Dtsch Pelztierz* 49 (11): 211-212. Nov 1975

024066 43.8 EL22
Artificial insemination of cattle, swine and goats in France in 1974. (Fre) Celerier, B; Mignon, F; Montigny, G de; Soulie, M M *Elev Insemination* Special No., 40 P. Maps. 1975

024067 43.8 EL22
Can and should the dairy producers in western France take recourse to crossing [of dairy cows with beef type bulls]. (Fre) Regis, R *Elev Insemination* 149: 3-12. Sept 1975

024068 43.8 EL22
The Brown Alpine cattle breed. (Fre) Azan, M; Hennequin, M *Elev Insemination* 149: 13-23. Map. Sept 1975

024069 QP501.E8
DNA synthesis in circulating erythroblasts of anemic duck. Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. Modak, S P; Commelin, D; Grosset, L; Imaizumi, M T; Monnat, M; Scherrer, K *Eur J Biochem* 60 (2): 407-421. Ref. Dec 1975

024070 475 EX7
The effect of luteineizing hormone on chicken testis and pineal gland uptake of 32P [phosphorus isotope]. Sackman, J W *Experientia* 31 (11): 1362-1364. Ref. Nov 15, 1975

024071 442.9 F31P
The mouse chromosome map. Miller, O J; Miller, D A *Fed Proc Fed Am Soc Exp Biol* 34 (13): 2218-2221. Ref. Dec 1975

024072 44.8 IN282
Fertility of imported deep frozen semen of Brown Swiss proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. Bhosrekar, M; Bhatnagar, D S; Gurnani, M *Indian Dairym* 27 (8): 309-310. Aug 1975

024073 SF1.I4
Freezing and fertilizing ability of spermatozoa [Semen, buffaloes]. Bandyopadhyay, S K; Roy, D J *Indian J Anim Health* 14 (1): 37-41. June 1975

024074 SF1.I4
Study on the freezability of spermatozoa [semen] in three genetic groups of crossbred bulls. Roy, D J; Biswas, J C; Bandyopadhyay, S K; Bhat, P N *Indian J Anim Health* 14 (1): 67-71. June 1975

024075 SF481.I55
Breeding for broiler production [Chickens]. Jain, G L *Indian Poult Rev* 6 (21): 765-766. June 16, 1975

024076 SF481.I55
Poultry breeding for egg production. Marais, C L *Indian Poult Rev* 6 (21): 770-772. Ref. June 16, 1975

024077 41.8 IN2
A note on the time of parturition in Russian Merino ewes [Sheep]. Kaushish, S K; Sahni, K L *Indian Vet J* 52 (11): 837-839. Nov 1975

024078 41.8 IN2
Efficiency of part record selection to improve annual record egg production in chickens [Genetics]. Chaudhary, R; Mohapatra, S C; Nanda, S K; Kotaiah, T; Ahuja, S D *Indian Vet J* 52 (11): 823-831. Ref. Nov 1975

024079 41.8 IN2
Heritability of internal egg quality traits in White Leghorn birds [Chickens]. Khan, F H; Taylor, C M *Indian Vet J* 52 (10): 785-787. Ref. Oct 1975

024080 41.8 IN2
Influence of sex of the calf and order of lactation on reproductive efficiency in dairy animals. Sharma, R C; Bhatnagar, D S *Indian Vet J* 52 (11): 813-822. Ref. Nov 1975

024081 41.8 IN2
Partial milk yield and age at first calving as the measures to predict lactation yield in Jersey cattle. Patel, A M; Patel, R M *Indian Vet J* 52 (10): 782-784. Ref. Oct 1975

024082 41.8 IN2
Studies on fructose and ascorbic acid concentration in the semen of Corriedale and Nali breeds of sheep. Rao, B R; Singh, B *Indian Vet J* 52 (10): 779-781. Ref. Oct 1975

024083 442.8 IN83
An objective method for evaluating Angus and Hereford sperm motility [Beef cattle]. Atherton, R W *Int J Fertil* 20 (2): 109-112. Ref. 1975

024084 41.8 IR4
The role of management in dairy herd fertility. O'Farrell, K J *Ir Vet J* 29 (7): 118-124. Ref. July 1975

024085 10 J822
On the relation between milk production and fertility in Kibbutz dairy cattle herds. Francos, G; Rattner, D *J Agric Sci (Camb)* 85 (3): 527-531. Dec 1975

024086 10 J822
The duration of the breeding season in Suffolk X Galway ewe lambs. Keane, M G *J Agric Sci (Camb)* 85 (3): 569-570. Dec 1975

024087 10 J822
The interaction of nutrition and body condition at mating on ovulation rate and early embryo mortality in Scottish Blackface ewes. Gunn, R G; Doney, J M *J Agric Sci (Camb)* 85 (3): 465-470. Ref. Dec 1975

024088 49 J82
Calf response to the initiation of parturition in dairy cows with dexamethasone or dexamethasone with estradiol benzoate. Muller, L D; Beardsley, G L; Ellis, R P; Reed, D E; Owens, M J *J Anim Sci* 41 (6): 1711-1716. Dec 1975

024089 49 J82
Control of estrus in lactating beef cows with prostaglandin F-2alpha and estradiol benzoate. Welch, J A; Hackett, A J; Cunningham, C J; Heishman, J O; Ford, S P; Nadaraja, R; Hansel, W; Inskeep, E K *J Anim Sci* 41 (6): 1686-1692. Ref. Dec 1975

024090 49 J82
Heterosis and management effects in postweaning growth of Angus, Hereford and reciprocal cross cattle. Long, C R; Gregory, K E *J Anim Sci* 41 (6): 1563-1571. Ref. Dec 1975

024091 49 J82
Heterosis and management effects in carcass characters of Angus, Hereford and reciprocal cross cattle. Long, C R; Gregory, K E *J Anim Sci* 41 (6): 1572-1580. Ref. Dec 1975

024092 49 J82
Luteal function in gilts after prostaglandin F-2alpha. Hallford, D M; Wettemann, R P; Turman, E J; Omtvedt, I T *J Anim Sci* 41 (6): 1706-1710. Ref. Dec 1975

024093 49 J82
Observed associations between corpora lutea and follicular development in swine ovaries during the estrous cycle. Clark, J R; Dailey, R A; Staigmiller, R B; First, N L; Chapman, A B; Casida, L E *J Anim Sci* 41 (6): 1693-1699. Ref. Dec 1975

024094 49 J82
Predicting beef sire genetic values for growth traits from progeny records. Schaeffer, L R; Wilton, J W *J Anim Sci* 41 (6): 1592-1599. Dec 1975

024095 49 J82
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/follicle stimulating hormone-releasing hormone]. Kinder, J E; Adams, T E; Chakraborty, P K; Tarnavsky, G K; Reeves, J J *J Anim Sci* 41 (6): 1650-1652. Ref. Dec 1975

024096 447.8 J825
Electrical activity of phrenic nerve and diaphragm in utero [Pregnant ewes]. Bahoric, A; Chernick, V *J Appl Physiol* 39 (4): 513-518. Ref. Oct 1975

024097 447.8 J825
Physiological evidence consistent with the presence of a specific O2 [oxygen] carrier in the placenta [Sheep]. Gurtner, G; Burns, B *J Appl Physiol* 39 (5): 728-734. Ref. Nov 1975

024098 442.8 J828
Studies on the distribution of antigenic sites on the surface of rabbit spermatozoa. Koehler, J K *J Cell Biol* 67 (3): 647-659. Ref. Dec 1975

024099 44.8 J822
Genetic trends among artificially bred Holsteins in Quebec. Kennedy, B W; Moxley, J E *J Dairy Sci* 58 (12): 1871-1875. Ref. Dec 1975

024100 44.8 J822
Influence of environmental heat on peripheral plasma progesterone and cortisol during the bovine estrous cycle. Abilay, T A; Johnson, H D; Madan, M *J Dairy Sci* 58 (12): 1836-1840. Ref. Dec 1975

024101 44.8 J822
Inverse of a matrix of relationships due to sires and maternal grandsires [Artificial insemination]. Henderson, C R *J Dairy Sci* 58 (12): 1917-1921. Dec 1975

024102 44.8 J822
Selection of dairy cattle for overall excellence. Andrus, D F; McGilliard, L D *J Dairy Sci* 58 (12): 1876-1879. Dec 1975

024103 44.8 J822
Use of all relatives in intraherd prediction of breeding values and producing abilities [Cattle]. Henderson, C R *J Dairy Sci* 58 (12): 1910-1916. Dec 1975

024104 440.8 J823
Fine structure of boar sperm abnormality: hairpin curved sperm. Kojima, Y *J Electronmicrosc (Tokyo)* 24 (3): 167-169. Ref. 1975

024105 448.8 J8293
Effect of foetal adrenalectomy on maternal oestrogen levels at dexamethasone-induced parturition in sheep. Flint, A P F; Anderson, A B M; Steele, P A; Turnbull, A C *J Endocrinol* 67 (2): 25P. Nov 1975

024106 448.8 J8293
Gonadotrophin and steroid levels around the time of first ovulation in the rat. Meijs-Roelofs, H M A; Uilenbroek, J Th J; Greef, W J de; Jong, F H de; Kramer, P *J Endocrinol* 67 (2): 275-282. Ref. Nov 1975

024107 448.8 J8293
Pituitary and adrenal function in foetal sheep during the latter half of gestation. Jones, C T; Boddy, K; Robinson, J S; Ratcliffe, J G *J Endocrinol* 67 (2): 26P. Nov 1975

024108 448.8 J8293
Preovulatory changes in the ovaries during the first spontaneous pro-oestrus in the rat. Osman, P *J Endocrinol* 67 (2): 259-265. Ref. Nov 1975

024109 448.8 J8293
Presence of sex pheromone in preputial glands of male rats. Gawienowski, A M; Orsulak, P J; Stacewicz-Sapuntzakis, M; Joseph, B M *J Endocrinol* 67 (2): 283-288. Ref. Nov 1975

024110 41.9 AN4D
A comparative study of [sheep] body form, live and fleece weights of the Kivircik and different Texel crossbreds at Inanli Animal Breeding Research Station. (Tur) Ozcan, H; Aki, T; Turker, F *J Fac Vet Med* 21 (3/4): 390-400. Ref. Eng. Sum. 1974 (Pub. 1975)

024111 41.9 AN4D
Observations on the appearance of estrus in the female cat and dog. (Tur) Akkayan, C *J Fac Vet Med* 21 (3/4): 418-422. Ref. 1974 (Pub. 1975)

024112 41.9 AN4D
Research on the pregnancy of cows in the Harasi Breeding Farm. (Tur) Akkayan, C; Ada, H *J Fac Vet Med* 21 (3/4): 423-431. 1974 (Pub. 1975)

024113 410 J823
Ecological relationships and breeding biology of the nutria (Myocastor coypus) in the Tampa, Florida, area. Brown, L N *J Mammal* 56 (4): 928-930. Nov 1975

024114 389.8 J82
Effects of some nutritional deficiences on parturition in rats. Apgar, J *J Nutr* 105 (12): 1553-1561. Ref. Dec 1975

024115 442.8 J8222
Boar seminal zinc-precipitable protein and the haemagglutinin. Boursnell, J C; Noble, E A; Andrews, M G *J Reprod Fertil* 45 (3): 415-420. Ref. Dec 1975

024116 442.8 J8222
Distribution of hyaluronidase in the ram spermatozoon. Brown, c R *J Reprod Fertil* 45 (3): 537-539. Ref. Dec 1975

024117 442.8 J8222
Effect of long- and short-term intravaginal progestagen treatments on shychronization of oestrus and fertility in heifers. Sreenan, J M *J Reprod Fertil* 45 (3): 479-485. Ref. Dec 1975

024118 442.8 J8222
Effects of in-vitro treatment of boar spermatozoa with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of pig eggs. Pursel, V G; Johnson, L A; Borkovec, A B *J Reprod Fertil* 45 (3): 549-552. Ref. Dec 1975

024119 442.8 J8222
Embryonic mortality during the pre- and post-implantation periods of pregnancy in mature mice after superovulation. Beaumont, H M; Smith, A F *J Reprod Fertil* 45 (3): 437-448. Ref. Dec 1975

024120 442.8 J8222
Functional and structural relationships in the graafian follicle population of the sheep ovary. Hay, M F; Moor, R M *J Reprod Fertil* 45 (3): 583-593. Ref. Dec 1975

024121 442.8 J8222
Heterospermic insemination and its effect on the offspring ratio in rats. Sharma, O P; Hays, R L *J Reprod Fertil* 45 (3): 533-535. Ref. Dec 1975

024122 442.8 J8222
Increased secretion of progesterone from the ovary of the ewe during the preovulatory period. Wheeler, A G; Baird, D T; Land, R B; Scaramuzzi, R J *J Reprod Fertil* 45 (3): 519-522. Ref. Dec 1975

024123 442.8 J8222
Nature of the stimulus of the copulation-induced rise in lactic dehydrogenase activity in the rabbit oviduct. Varma, S K; Talwar, G P *J Reprod Fertil* 45 (3): 505-508. Dec 1975

024124 442.8 J8222
Plasma relaxin immunoactivity during the oestrous cycle of the ewe. Chamley, W A; Stelmasiak, T; Bryant, G D *J Reprod Fertil* 46 (3): 455-461. Ref. Dec 1975

024125 442.8 J8222
Preovulatory and ovulatory mechanisms in oocyte maturation [Rabbits]. Thibault, C; Gerard, M; Menezo, Y *J Reprod Fertil* 45 (3): 605-610. Ref. Dec 1975

024126 442.8 J8222
Release of prostaglandin F-2alpha during foaling in mares. Sharma, O P *J Reprod Fertil* 45 (3): 541-543. Dec 1975

024127 442.8 J8222
Steroid production by the isolated rabbit ovarian follicle. Younglai, E V *J Reprod Fertil* 45 (3): 575-582. Ref. Dec 1975

024128 442.8 J8222
Testis growth and plasma LH [luteinizing hormone] concentration following hemicastration and its relation with female prolificacy in sheep. Land, R B; Carr, W R *J Reprod Fertil* 45 (3): 495-501. Dec 1975

024129 442.8 J8222
The absorption by boar spermatozoa of zinc bound to low molecular weight ligands. Boursnell, J C; Noble, E A *J Reprod Fertil* 45 (3): 421-426. Ref. Dec 1975

024130 442.8 J8222
The occurrence of hydroxyindole-O-methyltransferase activity in fetal sheep pineal tissue and its relationship to preparturient endocrine changes. Kennaway, D G; Seamark, R F *J Reprod Fertil* 45 (3): 529-531. Dec 1975

024131 442.8 J8222
The role of calcium ions in fertilization of mouse and rat eggs in vitro. Miyamoto, H; Ishibashi, T *J Reprod Fertil* 45 (3): 523-526. Ref. Dec 1975

024132 442.8 J8222
The sheep ovary: regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and adjacent tissue before ovulation. Moor, R M; Hay, M F; Seamark, R F *J Reprod Fertil* 45 (3): 595-604. Ref. Dec 1975

024133 QD426.A1J6
Androgens in testes and adrenal glands of the fetal pig. Segal, D H; Raeside, J I *J Steroid Biochem* 6 (10): 1439-1444. Ref. Oct 1975

024134 QD426.A1J6
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier, M; Saumande, J *J Steroid Biochem* 6 (10): 1433-1437. Ref. Oct 1975

024135 QD426.A1J6
Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH [luteinizing hormone] or prostaglandin E2 [Rats]. Lieberman, M E; Ahren, K; Tsafriri, A; Bauminger, S; Lindner, H R *J Steroid Biochem* 6 (10): 1445-1449. Ref. Oct 1975

024136 SF1.K3
Changes of the plasma steroid hormones in pre- and postpartum stage in cows. (Jpn) Imori, T *Jap J Anim Reprod* 20 (5): V-IX. Mar 1975

024137 SF1.K3
Effects of administration with testosterone compound (Durateston) on the genital organs in hypophysectomized male adultrats. (Jpn) Yokoki, Y; Ogasa, A *Jap J Anim Reprod* 21 (3): 102-105. Ref. Nov 1975

024138 SF1.K3
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral blood plasma of the cow [Cattle]. (Jpn) Domeki, I; Nakahara, T; Kaneda, Y; Yamauchi, M *Jap J Anim Reprod* 21 (3): 89-93. Ref. Eng. Sum. Nov 1975

024139 SF1.K3
Effects of unilateral ovariectomy on parturition and post-partum ovulation in the rats. (Jpn) Hashizume, K; Sugawara, S; Takeuchi, S *Jap J Anim Reprod* 21 (3): 116-119. Ref. Eng. Sum. Nov 1975

024140 SF1.K3
Fertility on early rebreeding in postpartum stage in cows. (Jpn) Honda, K *Jap J Anim Reprod* 20 (5): XXI-XXIII. Mar 1975

024141 SF1.K3
Involution of uterine activity in postpartum stage in cows. (Jpn) Suga, T *Jap J Anim Reprod* 20 (5): XV-XX. Ref. Mar 1975

024142 SF1.K3
Offspring sex ratio in Japanese cattle. (Jpn) Muramatsu, T; Kawanishi, N *Jap J Anim Reprod* 21 (3): 94-97. Ref. Eng. Sum. Nov 1975

024143 SF1.K3
Resumption of ovarian activity in postpartum stage in cows. (Jpn) Nakahara, T *Jap J Anim Reprod* 20 (5): X-XIV. Ref. Mar 1975

024144 SF1.K3
Studies on the reproduction in the dog. VI. Ovulation rate and transuterine migration of the fertilized ova. (Jpn) Tsutsui, T *Jap J Anim Reprod* 21 (3): 98-101. Ref. Eng. Sum. Nov 1975

024145 49 N62
Enhanced respiration and reduction of tetracycline binding of boar and bull spermatozoa following incubation in the female genital tract. Iritani, A; Tsunoda, Y; Miyake, M; Nishikawa, Y *Jap J Zootech Sci* 46 (9): 531-537. Ref. Sept 1975

024146 QL55.A1L3
The use of laminar flow for obtaining germfree mice [Breeding]. Taylor, D M *Lab Anim* 9 (4): 337-343. Oct 1975

024147 49 B462
French and European sheep breeds. Their role in the difficult regions of the world. (Fre) Boyazoglu, J G *L'elevage* 45: 106-110. Nov 1975

024148 49 B462
Hybrid swine are tested in Great Britain. (Fre) Wood, D *L'elevage* 44: 91, 93-95. Oct 1975

024149 49 B462
It is the number of lambs per ewe and per year that the system of production is oriented to. (Fre) Stoeckel, R *L'elevage* 44: 101-106. Oct 1975

024150 49 B462
Note on artificial insemination of Zebu cattle in Madagascar after synchronisation of estrus by norethandrolone. (Fre) Serres, H; Dubois, P *L'elevage* (New Ser.) 28 (2): 235-237. Eng. Sum. 1975

024151 49 B462
Some aspects of reproduction in the reddish brown goats of Maradi. Comparison with other tropical or sub-tropical breeds. (Fre) Haumesser, J B *L'elevage* (New Ser.) 28 (2): 225-234. Ref. Eng. Sum. 1975

024152 SF1.L5
An economic evaluation of different selection alternatives as means for improvement of milk protein yield [Dairy cattle, genetics]. Petersen, P H *Livest Prod Sci* 2 (3): 221-233. Ref. Sept 1975

024153 SF1.L5
The heritability of pH1 [hydrogen-ion concentration] in longissimus dorsi muscle in Landrace and Large White pigs. McGloughlin, P; McLoughlin, J V *Livest Prod Sci* 2 (3): 271-280. Ref. Sept 1975

024154 SF1.L5
The improvement of sow productivity, a review of recent experiments in France [Swine]. Legault, C; Aumaitre, A; Du Mesnil du Buisson, F *Livest Prod Sci* 2 (3): 235-246. Ref. Sept 1975

024155 443.8 M98
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. Suter, K E *Mutat Res* 30 (3): 355-364. Ref. Dec 1975

024156 443.8 M98
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and female mice. Suter, K E *Mutat Res* 30 (3): 365-374. Ref. Dec 1975

024157 472 N21
Nuclear transplantation in the rabbit egg. Bromhall, J D *Nature* 258 (5537): 719-722. Ref. Dec 25, 1975

024158 472 N21
Reduced sperm motility in the isthmus of the rabbit oviduct. Overstreet, J W; Cooper, G W *Nature* 258 (5537): 718-719. Ref. Dec 25, 1975

024159 46.8 P623
Scans for backfat and pregnancy [Swine]. Looker, M *Pig Farming* 23 (11): 35. Nov 1975

024160 46.8 P623
When things go wrong at farrowing [Swine]. Jackson, P *Pig Farming* 24 (1): 43-45, 47. Jan 1976

024161 SF481.P64
Age at flock maturity—how important is it? [Chickens]. Kotaiah, T *Poult Guide* 12 (9): 15-19. Sept 1975

024162 SF481.P64
Few aspects of pure line breeding [Poultry]. Kotaiah, T *Poult Guide* 12 (7): 32-34. July 1975

024163 SF481.P68
Quality hatching eggs. Mills, W C Jr; North Carolina State University Agricultural Extension Service *Poult Pointers* 2 P. Nov 1975

024164 43.9 N212
Canada's conformation system. II. [Dairy cow breeding]. Rennie, J C; Smith, G C *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 122-128. 1974

024165 43.9 N212
Don't forget to also analyze the fifty percent you already have [artificial insemination]. Battaglia, A M *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 98-103. 1974

024166 43.9 N212
Is the A.I. [Artificial insemination] industry meeting customer needs? Ausman, D *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 67-74. 1974

024167 43.9 N212
Learning device in pedigree evaluation [Dairy cattle]. Heisner, B M *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 94-97. 1974

024168 43.9 N212
Let's give our support to A.I. [Artificial insemination] research. Erickson, W E *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 144-146. 1974

024169 43.9 N212
Presenting beef information [use of artificial insemination in beef cattle, progeny test]. Blair, D G *Proc Annu Conv Natl Assoć Anim Breeders* 28th: 80-83. 1974

024170 43.9 N212
Sire procurement in Canada. Chicoine, R *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 128-132. 1974

024171 43.9 N212
Sire procurement in Canada. Freeman, M G *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 133-137. 1974

024172 43.9 N212
Sire selection Canadian style: the Canadian production system [Dairy cattle]. Burnside, E B *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 104-116. 1974

024173 43.9 N212
The Canadian conformation system: herd book participation [Dairy breed]. Powell, J E *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 117-122. 1974

024174 43.9 N212
The importance of beef in the future A.I. [Artificial insemination] industry. Martin, A *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 74-79. 1974

024175 49.9 N483
Anti-bacterial and anti-sperm effect of [bovine] seminal plasma. Shannon, P; Twomey, A; Curson, B *Proc N Z Soc Anim Prod* 34: 61-64. 1974

024176 49.9 N483
Application of the egg transfer tecnique in cattle and sheep. Tervit, H R; Rowson, L E A; McDonald, M F *Proc N Z Soc Anim Prod* 34: 56-60. Ref. 1974

024177 49.9 N483
Behaviour of hill country sheep breeds during farming routines. Whateley, J; Kilgour, R; Dalton, D C *Proc N Z Soc Anim Prod* 34: 28-36. Ref. 1974

024178 49.9 N483
Comparison of pen and paddock systems for the pedigree mating of sheep. Clarke, J N; Geenty, K G; Bennett, R G; Christensen, G N; Wilson, J A *Proc N Z Soc Anim Prod* 34: 23-27. 1974

024179 49.9 N483
Crossbreeding, interbreeding and establishing a new breed of sheep. Coop, I E *Proc N Z Soc Anim Prod* 34: 11-13. 1974

024180 49.9 N483
Diagnosing pregnancy in ewes [sheep] by rectal palpation. Ackerley, J G; Welch, R A S *Proc N Z Soc Anim Prod* 34: 55. 1974

024181 49.9 N483
Estrus synchronization in cattle. Smith, J F *Proc N Z Soc Anim Prod* 34: 51-54. 1974

024182 49.9 N483
Liveweight fertility relationships in Merino and half-bred ewes in a high country environment [Sheep]. Allison, A J; Thompson, K F; Davis, G H *Proc N Z Soc Anim Prod* 34: 45-60. 1974

024183 49.9 N483
Relationships of various parameters with the lambing performance of hoggets [Sheep]. Winn, G W; Cumberland, G L B *Proc N Z Soc Anim Prod* 34: 100-101. 1974

024184 49.9 N483
Reproductive performance of Merino ewes [sheep] dosed with selenium prior to mating. Scales, G H *Proc N Z Soc Anim Prod* 34: 103-113. Ref. 1974

024185 49.9 N483
Some techniques for increasing reproductive rates in sheep and their application in the industry. Allison, A J *Proc N Z Soc Anim Prod* 34: 167-174. Ref. 1974

024186 49.9 N483
Sources of variation for wool, body weight and estrous characters in Romney hoggets [Sheep]. Baker, R L; Clarke, J N; Carter, A H *Proc N Z Soc Anim Prod* 34: 19-22. 1974

024187 49.9 N483
The application of artificial breeding as a reproductive technique of cattle. Macmillan, K L *Proc N Z Soc Anim Prod* 34: 158-166. 1974

024188 49.9 N483
The present status of applied reproductive physiology in animal production [Sheep]. Robinson, T J *Proc N Z Soc Anim Prod* 34: 37-44. 1974

024189 S293.C6N31
Selection of chickens for a local broilor strain and the effect of heterosis on growth. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 525-536. Ref. 1974

024190 501 L84B
A case of polydactyly with multiple thresholds in the mouse [Genetics]. Roberts, R C; Mendell, N R *Proc R Soc Lond, B Biol Sci* 191 (1104): 427-444. Ref. Dec 2, 1975

024191 389.9 AM31
A genetic analysis of postweaning gain in Herefords [Beef cattle]. Kress, D D *Proc West Sect Am Soc Anim Sci* 26: 17-19. Ref. 1975

024192 389.9 AM31
AI beef management with prostaglandin F2alpha controlled estrus [Cattle]. Lambert, P W; Griswold, D R; LaVoie, V A; Moody, E L *Proc West Sect Am Soc Anim Sci* 26: 181-184. Ref. 1975

024193 389.9 AM31
Effect of clitoral stimulation on AI bred cows. Poncelet, G; Moody, E L *Proc West Sect Am Soc Anim Sci* 26: 178-180. 1975

024194 389.9 AM31
Effect of energy on LH [luteinizing hormone] response to consecutive Gn-RH [gonadotrophin releasing hormone] injections [cattle]. Beal, W E; Kaltenbach, C C; Dunn, T G *Proc West Sect Am Soc Anim Sci* 26: 199-202. Ref. 1975

024195 389.9 AM31
Effect of flumethasone induced calving on the postpartum interval of beef cows [Fertility]. LaVoie, V A; Winter, J L; Clark, C H; Moody, E L *Proc West Sect Am Soc Anim Sci* 26: 185-188. Ref. 1975

024196 389.9 AM31
Effects of intravaginal flurogestone acetate and PMS [pregnant mares serum] administration on the reproductive performance of ewes in a cool environment. Adams, N J; Spurlock, G M *Proc West Sect Am Soc Anim Sci* 26: 171-174. 1975

024197 389.9 AM31
Estrus and ovulation with prostaglandin F2alpha, norgestamet and gonadotrophin releasing hormone [Cattle]. Graves, N W; Dunn, T G; Kaltenbach, C C; Short, R E; Carr, J B *Proc West Sect Am Soc Anim Sci* 26: 193-195. Ref. 1975

024198 389.9 AM31
The ovulation rate of Finnish Landrace X Rambouillet ewes. Shelton, M; Klindt, J *Proc West Sect Am Soc Anim Sci* 26: 168-170. 1975

024199 QP801.P68P729
Hormonal changes around bovine luteolysis [Dairy cattle]. Peterson, A J; Fairclough, R J; Payne, E; Smith, J F *Prostaglandins (Los Altos)* 10 (4): 675-684. Ref. Oct 1975

024200 23 Q33
Artificial breeding [of cattle]. *Queensl Agric J* 101 (4): 431-466. July/Aug 1975

024201 23 Q33
Charolais X Brahman cattle. Corlis, P L; Rudder, T H *Queensl Agric J* 101 (4): 469-470. July/Aug 1975

024202 100 AR42R
Performance of bulls on Arkansas cooperative beef bull performance test 13. Brown, C J; Moss, J M; Brown, L O; Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 222, 12 P. Aug 1975

024203 SF15.K8A37
A study on estimating genetic combing. Ability of economic traits in single crosses of single combing White Leghorns. (Kor) Kim, S C; Chung, S B; Thak, T Y; Sul, D S *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 45-62. Ref. Eng. Sum. Aug 1975

024204 SF15.K8A37
Effects of freezing processes of boar semen on motility of spermatozoa and conception rate. (Kor) Kim, J K; Suh, G S; Shin, W J; Im, K S; Sul, D S; Lee, Y B *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 11-20. Ref. Eng. Sum. Aug 1975

024205 SF15.K8A37
Studies on fertilized ova transfer in goat. (Kor) Suh, G S; Kim, J K; Shin, W J; Im, K S; Sul, D S; Lee, Y B *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 21-32. Ref. Eng. Sum. Aug 1975

024206 SF15.K8A37
Studies on heritability and genetics correlation among economic traits in domestic fowl. (Kor) Thak, T Y; Chung, S B; Sul, D S *Res Rep (Livest) Off Rural Dev (Suwon)* 17: 1-10. Ref. Eng. Sum. Aug 1975

024207 284.9 M58
Effect of sow weight gain on litter size in swine. Morcom, C B; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 11-13. Sept 1975

024208 284.9 M58
Increase in swine litter size as the result of steroid therapy. Wildt, D E; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 7-11. Sept 1975

024209 284.9 M58
Laparoscopic pregnancy diagnosis and uterine fluid recovery in swine. Morcom, C B; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 16-19. Sept 1975

024210 100 OK4M
Can beef cattle be artificially inseminated at preset times? Wettemann, R P; Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 7-8. Oct 1975

024211 100 OK4M
How rapidly can growth rate be increased in beef cattle by selection? Frahm, R; Gould, M; Stanforth, T; Cobb, B; Mizell, B; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 20-30. Oct 1975

024212 100 OK4M
How well are your bulls performing? Meyerhoeffer, D C; Wettemann, R P; Wells, M E; Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 58-59. Oct 1975

024213 9.4 R328
When should swine be served or mated? (Spa) Obando C, H *Rev ESSO Agric* 21 (2): 23-26. Apr/June 1975

024214 SF1.R54
Artificial insemination: fertility and genetic improvement [Cattle]. (Ita) Bogliolo, S *Rilancio Agric Vet Zootec* 6 (7): 10-12. 1974

024215 SF1.R54
Sterility [Cattle, nutritional deficiency]. (Ita) Maletto, S; Mussa, P P; Quaglino, G *Rilancio Agric Vet Zootec* 6 (2/3): 4-6. 1974

024216 SF1.R55
Genetic variants of milk proteins in cows of Rendena breed. (Ita) Mariani, P; Russo, V *Riv Zootec Vet* 4: 345-348. Ref. Eng. Sum. July/Aug 1975

024217 SF1.R55
Stress on spermiogenesis of bulls. (Ita) Pellerzi, A *Riv Zootec Vet* 4: 361-366. July/Aug 1975

024218 41.8 SO82
Corticosteroid induced parturition in cattle. Kirk, J H *Southwest Vet* 28 (3): 201-203. 1975

024219 QH431.A1G43
Hybrid studies on the genetics of coat color and blood groups of Landrace and Vietnamese swine. Tikhonov, V N; Ratiani, D P *Sov Genet* 10 (1): 36-41. Ref. Jan 1974 (Transl Aug 1975)

024220 QH431.A1G43
Identification of five allotypes of serum alpha2-lipoprotein esterases in American minks (Mustela vison). Belyaev, D K; Baranov, O K; Savina, M A; Yurishina, N A; Titenko, N V; Evsikov, V I *Sov Genet* 10 (1): 42-50. Ref. Jan 1974 (Transl Aug 1975)

024221 100 AR42SP
Problems in artificial insemination and conception in dairy cattle. Rakes, J M; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 9-11. Oct 1975

024222 100 AR42SP
Profitable breeding plans [Dairy cattle]. Williams, R; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 12-15. Oct 1975

024223 100 OR3M
Beef progeny testing report 1974-1975. Ralston, A T; Davidson, T P; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 445, 21 P. Nov 1975

024224 QP251.A1T5
Effect of prostaglandins on uterine contractions in the estrous ewe [Sheep]. Rexroad, C E Jr; Barb, C R *Theriogenology* 4 (4): 111-124. Ref. Oct 1975

024225 QP251.A1T5
Induction of ovulation and pregnancy in captive cottontail rabbits by exogenous gonadotrophin treatment and artificial insemination. Murphy, W F Jr; Scanlon, P F; Kirkpatrick, R L *Theriogenology* 4 (4): 101-109. Ref. Oct 1975

024226 QP251.A1T5
Microbiologic contamination of bovine semen [Candida tropicalis, fungi]. Kendrick, J W; Harlan, G P; Bushnell, R B; Kronlund, N *Theriogenology* 4 (4): 125-129. Oct 1975

024227 41.8 T445
Choice of mating partners by male animals. (Ger) Sambraus, H H *Tierarztl Umsch* 30 (11): 535-540, 542-543. Ref. Nov 1, 1975

024228 41.8 T445
Contribution to the treatment of ovarian cysts in cattle with chorionogonadotropin suspended in oily progesterone. (Ger) Feustel, G *Tierarztl Umsch* 30 (10): 515-516, 518. Oct 1, 1975

024229 41.8 T445
Experiences with a synthetic gonadotropin-releasing hormone in sterility [Cattle]. (Ger) Christl, H Jr *Tierarztl Umsch* 30 (10): 510, 512, 514-515. Oct 1, 1975

024230 41.8 T445
Test of shortening the biological rearing time of cattle after birth by laparotomy under practice conditions. (Ger) Bostedt, H; Schwarz, H *Tierarztl Umsch* 30 (10): 496, 498-500. Ref. Oct 1, 1975

024231 41.8 T445
Ultrasonic double technique as a diagnostic aid in veterinary gynecology and obstetrics with special regard to new techniques and its resulting range of utilization in clinic and practice. (Ger) Wilkens, W *Tierarztl Umsch* 30 (11): 550-554. Ref. Nov 1, 1975

024232 49 T445
Action of energy supply during pregnancy on weight development and reproductive performance in sows. (Ger) Schneider, D; Bronsch, K *Tierzuchter* 27 (11): 483-485. Nov 5, 1975

024233 49 T445
Experiences in Great Britain on pregnancy diagnosis of cattle with help of determining milk progesterone. (Ger) Laing, A *Tierzuchter* 27 (11): 472-475. Nov 5, 1975

024234 49 T445
First results of cross-breeding Red Holstein and Simmental catle. (Ger) Kogel, S; Averdunk, G; Mager, A *Tierzuchter* 27 (11): 470-471. Nov 5, 1975

024235 49 T445
Influence of Holstein-Friesian [cattle] mating on first lactation performance under various environmental conditions. (Ger) Krausslich, H *Tierzuchter* 27 (12): 513-515. Dec 5, 1975

024236 49 T445
Organization of the German swine commercial crossing program. (Ger) Glodek, P *Tierzuchter* 27 (12): 510. Dec 5, 1975

024237 49 T445
Organization of the ABC program as a fully integrated [swine] crossbreeding program. (Ger) Gravert, H O; Wree, P *Tierzuchter* 27 (12): 511. Dec 5, 1975

024238 49 T445
Organization of the Baden-Wurttemberg [swine] hybrid breeding program in cooperation with production and marketing arrangements. (Ger) Hadicke, H; Rittler, A *Tierzuchter* 27 (12): 511-512. Dec 5, 1975

024239 49 T445
Organization of the [West German] Federal [swine] hybrid breeding program as a cooperative program of breeding organization and producer groups. (Ger) Schepp, *Tierzuchter* 27 (12): 512-513. Dec 5, 1975

024240 49 T445
Why is deep freezing of boar sperm problematic? (Ger) Treu, H; Krause, D *Tierzuchter* 27 (12): 515-518. Dec 5, 1975

024241 20 M66
Morphological and chemical indices of eggs of hybrid and line-bred poultry with varying levels of nutrition. (Bel) IAkimovich, N I *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 116-121. 1975

024242 SF604.V46
Possibilities of a more intensive exploitation of infantile gilts [Breeding]. (Slo) Pivko, J; Majerciak, P; Hacik, T *Veterinaria* 17 (2): 93-116. Ref. Eng. Sum. 1975

024243 41.8 V6439
Degree of acrosomal destruction following deep freezing of bull sperm in liquid nitrogen. (Slo) Fejes, J *Veterinarstvi* 25 (9): 409-412. 1975

024244 41.8 V6439
Effect of estrogen applied in puerperium on its course and some indices of fertility in dairy cows. (Cze) Kunc, D; Krabec, J *Veterinarstvi* 25 (9): 406-408. 1975

024245 20 V82
Comparative characteristics of primary domestic breeds of rabbits in the production of broilers. (Ukr) Myros', V V; Tots'ka, L IA; Hnoiko, V O *Visn Sil's'kohospod Nauki* 7: 84-89. July 1975

024246 20 V82
Fundamental problems of remote hybridization of livestock. (Ukr) Steklen'ov, IE P *Visn Sil's'kohospod Nauki* 6: 66-72. Ref. June 1975

20 V82
Method fo determining losses due to sterility of cows. (Ukr) Red'kin, I P *Visn Sil's'kohospod Nauki* 6: 89-91. June 1975

024247 20 V82
Results of the first step in establishing beef cattle on the Polivanovka Experimental Farm. (Ukr) Eisner, F F; Dasiuk, O P; Voskresens'ka, N S *Visn Sil's'kohospod Nauki* 7: 75-81. July 1975

024248 20 V82
Selection of cocks of [chicken] meat lines according to sperm quality. (Ukr) Vynokhodova, H O *Visn Sil's'kohospod Nauki* 9: 89-92. Sept 1975

024249 SF191.W6
Development of the Jamaica Hope breed of dairy cattle. Wellington, K E; Mahadevan, P; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 27-32. 1975

024250 41.8 Z5
Effect of month, season and sequence of calving on milk yield in Italian buffaloes. RoyChoudhury, P N; Deshmukh, S N *Zentralbl Veterinarmed, Reihe A* 22 (8): 678-683. Ref. Oct 1975

024251 41.8 Z5
Free amino acids in the amniotic fluid of different types of placenta [Cattle, dogs, rats]. (Ger) Kedenburg, C P; Mulling, M *Zentralbl Veterinarmed, Reihe A* 22 (7): 549-556. Ref. Eng. Sum. Sept 1975

024252 41.8 Z5
Livability of albino and normal bull spermatozoa at 5 degrees Centigrade in citrate, milk and tris yolk extenders. Dubay, M L; RoyChoudhury, P N; Izumi, T *Zentralbl Veterinarmed, Reihe A* 22 (8): 689-695. Ref. Oct 1975

024253 41.8 Z5
Serum calcium and magnesium levels during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. Henricson, B; Jonsson, G; Pehrson, B *Zentralbl Veterinarmed, Reihe A* 22 (8): 625-631. Oct 1975

024254 41.8 Z5
Statistics, heredity and correlation between some features of the circulatory system in female German landrace swine. I. Means and environmental effects. (Ger) Wegner, W; Feder, H; Reetz, I *Zentralbl Veterinarmed, Reihe A* 22 (8): 645-670. Ref. Eng. Sum. Oct 1975

024255 41.8 Z5
Studies on the eructation mechanims in the sheep. III. The composition of the eructated rumen gases with different rations. (Ger) Kolling, K; Mahadevan, P *Zentralbl Veterinarmed, Reihe A* 22 (7): 597-604. Ref. Eng. Sum. 1975

024256 41.8 Z5
The influence of prostaglandins on the in vitro motility of the oviduct of the laying hen. (Ger) Wechsung, E; Houvenaghel, A *Zentralbl Veterinarmed, Reihe A* 22 (8): 684-688. Eng. Sum. Oct 1975

024257 49 Z6
Biological pecularities of embryonic nutrition and the practice of cattle reproduction. (Rus) Milovanov, V K; Sokolovskaia, I I *Zhivotnovodstvo* 6: 45-54. June 1975

024258 49 Z6
Breeding of Hereford herd on the Sonskii state farm. (Rus) Gamarnik, N G; Mitin, M L; Mamaeva, G P *Zhivotnovodstvo* 8: 24-28. Aug 1975

024259 49 Z6
Cases of congenital deformation of the extremities in Sychevka calves [Heredity]. (Rus) Zhigachev, A I; Gol'dman, I L *Zhivotnovodstvo* 6: 26-27. June 1975

024260 49 Z6
Comparison of two methods of freezing bull semen. (Rus) Darii, G E; Deleu, V G *Zhivotnovodstvo* 8: 76-78. Aug 1975

024261 49 Z6
Determination of result of artificial insemination of cows. (Rus) Bocharov, V F; Bocharova, V I *Zhivotnovodstvo* 8: 80-81. Aug 1975

024262 49 Z6
Effect of vitamin A on the effectiveness of estrus synchronization in sows. (Rus) Klinskii, IU D; IAkimchuk, N V *Zhivotnovodstvo* 8: 78-80. Aug 1975

024263 49 Z6
Effect of zinc level in rations on sperm production of bulls. (Rus) Gruzdev, N V *Zhivotnovodstvo* 6: 55-56. June 1975

024264 49 Z6
Evaluation of swine according to their own productivity and the results of the controlled feeding of their polysiblings [Heredity]. (Rus) Entin, A M; Lutsak, A D *Zhivotnovodstvo* 6: 25-26. June 1975

024265 49 Z6
Freezing of stallion semen. (Rus) Platov, E M; Fomina, E L; Murav'eva, L N *Zhivotnovodstvo* 8: 73-76. Aug 1975

024266 49 Z6
Improvement of Black Pied cattle at the breeding farm Krasnaia Zvezda. (Rus) Aleksov, A V; Vil'chinskii, A D *Zhivotnovodstvo* 8: 18-21. Aug 1975

024267 49 Z6
Increasing the productivity of dairy cattle on a state farm [Artificial insemination]. (Rus) Nikitin, G A; Shiliaev, V G *Zhivotnovodstvo* 6: 13-15. June 1975

024268 49 Z6
Intrabreed types and productivity of cows. (Rus) Aliev, M Sh *Zhivotnovodstvo* 6: 27, 44. June 1975

024269 49 Z6
Protein content of milk, an important characteristic in [cattle] breeding. (Rus) Markova, K V; Chernykh, V M *Zhivotnovodstvo* 8: 29-30. Aug 1975

024270 49 Z6
Synchronization and stimulation of estrus in sheep with Megestrol acetate and pregnant mare's serum. (Rus) Petrovets, I U *Zhivotnovodstvo* 6: 59-61. June 1975

024271 49 Z6
Use of Ayrshire cattle for cross-breeding. (Rus) Dmitriev, N G *Zhivotnovodstvo* 6: 16-20. June 1975

024272 49 Z6
Use of breeding indices to evaluate swine. (Rus) Khorev, M I *Zhivotnovodstvo* 8: 30-32. Aug 1975

024273 SF105.A1Z8
Gynaecomastia in a male goat. I. Sexual activity and sperm and milk quality. (Ger) Marx, D; Klempp, J; Leoffler, K; Bohm, S *Zuchthygiene (Berl)* 10 (3): 125-134. Ref. Eng. Sum. Sept 1975

024274 SF105.A1Z8
Macro- and microscopic examinations on the effect of a synthetic gonadotrophin releasing hormone (GnRH) in cattle with cystic ovaries. (Ger) Horstmann, G; Grunert, E; Schwarz, R *Zuchthygiene (Berl)* 10 (3): 97-108. Ref. Eng. Sum. Sept 1975

024275 SF105.A1Z8
The effect of prostaglandin F2alpha and oxytocin on porcinemyometrium in vitro. Einarsson, S; Viring, S; Lindell, J O *Zuchthygiene (Berl)* 10 (3): 135-139. Sept 1975

024276 SF105.A1Z8
The significance of seasonal changes in the size of the testis and the diameter of the epididymis in rams. (Ger) Varadin, M; Stipancevic, L; Pavlovic, A *Zuchthygiene (Berl)* 10 (3): 119-124. Eng. Sum. Sept 1975

024277 49 Z8
Breeding evaluation of bulls with special regard to systematic genetic influence. (Ger) Lederer, J; Vogt-Rohlf, O; Buthmann, H *Zuchtungskunde* 47 (6): 427-440. Ref. Eng. Sum. Nov/Dec 1975

024278 49 Z8
Ceruloplasmin polymorphism in cattle. (Ger) Gebicke, P; Geldermann, H *Zuchtungskunde* 47 (6): 413-416. Eng. Sum. Nov/Dec 1975

024279 49 Z8
Comparison of single- and two-phase dilution of boar semen and its effect on pregnancy rate. (Ger) Heydorn, K P; Paufler, S *Zuchtungskunde* 47 (5): 303-310. Eng. Sum. Sept/Oct 1975

024280 49 Z8
Crossbreeding "Red Holstein Friesian X German Simmental" cattle. Preliminary results from Bavaria. (Ger) Kogel, S; Averdunk, G; Mager, A *Zuchtungskunde* 47 (6): 373-381. Eng. Sum. Nov/Dec 1975

024281 49 Z8
Crossing Brown Swiss cattle from USA to Braunvieh from Wurttemberg. (Ger) Fewson, D; Ott, A; Schulte-Coerne, H *Zuchtungskunde* 47 (6): 382-392. Eng. Sum. Nov/Dec 1975

49 Z8
Effect of a high-concentrated combined vitamin-preparation (AD3E) on important parameters of the reproductive performance of the sow. (Ger) Bader, J; Kayser, G *Zuchtungskunde* 47 (5): 319-328. Ref. Eng. Sum. Sept/Oct 1975

024282 49 Z8
Genetic aspects of protein content and protein fractions in milk. II. Protein fractions [Cattle]. (Ger) Renner, E; Kosmack, U *Zuchtungskunde* 47 (6): 441-457. Ref. Eng. Sum. Nov/Dec 1975

024283 49 Z8
Heritability estimates for milk yield by daughter-dam-regression and problems related to it [Cattle]. (Ger) Dymnicki, E; Lederer, J; Averdunk, G *Zuchtungskunde* 47 (5): 285-290. Eng. Sum. Sept/Oct 1975

024284 49 Z8
Index selection in swine. II. Estimation of genetic parameters for different testing systems. (Ger) Marquardt, O W; Glodek, P *Zuchtungskunde* 47 (5): 291-302. Ref. Eng. Sum. Sept/Oct 1975

024285 49 Z8
Index selection in swine. III. Establishment and comparison among selection indices based on different testing systems. (Ger) Glodek, P; Marquardt, O W *Zuchtungskunde* 47 (6): 458-469. Ref. Eng. Sum. Nov/Dec 1975

024286 49 Z8
Model calculatons on genetic differences between herds due to using different groups of bulls and different selection rates for cows within herds. (Ger) Fewson, D; Niebel, E *Zuchtungskunde* 47 (6): 417-426. Ref. Eng. Sum. Nov/Dec 1975

024287 49 Z8
Possibilities for crossbreeding in dual purpose cattle. (Ger) Weber, F *Zuchtungskunde* 47 (6): 363-372. Eng. Sum. Nov/Dec 1975

024288 49 Z8
Possibilities for crossbreeding in dual purpose catle: Brown Swiss X Braunvieh in Bavaria. An interim report. (Ger) Avendunk, G; Gottschalk, A *Zuchtungskunde* 47 (6): 393-403. Eng. Sum. Nov/Dec 1975

024289 49 Z8
Possibilities for crossbreeding in dual purpose cattle: Holstein Friesian X Black Pied. (Ger) Gravert, H O *Zuchtungskunde* 47 (6): 404-412. Eng. Sum. Nov/Dec 1975

024290 49 Z8
The effect of castration on weight gain and carcass quality in male fat-tail sheep. (Ger) Assadi-Moghaddam, R; Nik-Khah, A *Zuchtungskunde* 47 (5): 351-356. Ref. Eng. Sum. Sept/Oct 1975

024291 49 Z8
The Hermann Von Nathusius medal awarded to Prof. Dr. Edwin Lauprecht [Animal breeding]. (Ger) Fewson, D *Zuchtungskunde* 47 (6): 359-362. Nov/Dec 1975

VETERINARY MEDICINE

024292 41.8 AC87
A telemetric aid in establishing the cause of death in semidomesticated or wild animals [Reindeer]. Moell, F; Rehbinder, C *Acta Vet Scand* 16 (3): 357-367. Ref. 1975

024293 41.8 AC87
Concentrations of trimethoprim and sulphadoxine in tissues from goats and a cow. Nielsen, P; Rasmussen, F *Acta Vet Scand* 16 (3): 405-410. Ref. 1975

024294 449.9 AM3J
The public health implications of urban dogs. Beck, A M *Am J Public Health* 65 (12): 1315-1318. Ref. Dec 1975

024295 41.9 C67
Veterinary medicine and the sciences of administration and organization. (Spa) Piedrabuena Leon, D A *An Col Of Vet Prov* 32 (365): 129-144. May 1975

024296 41.8 AU72
Changes in the acid base status of sheep anaesthetised with a combination of atropine sulphate acepromazine and ketamine hydrochloride. Thurmon, J C; Kumar, A; Cawley, A J *Aust Vet J* 51 (10): 484-487. Ref. Oct 1975

024297 47.8 B26
Domokos Derzsy, 1915-1975 [Veterinarians, Hungary]. (Hun) *Baromfiipar* 22 (9): 385. 1975

024298 57.9 AR1
Current health problems of cattle kept in modern conditions [Austria]. (Ger) Willinger, H *Ber Arbeitstag Fragen Gulle* P. 275-280. 1974

57.9 AR1
Hygienic aspects of liquid and solid manures [Livestock disease control]. (Ger) Strauch, D *Ber Arbeitstag Fragen Gulle* P. 245-274. Ref. 1974

024299 SF779.5.A1B6
Bovine pediatrics. White, R G *Bovine Pract* 10: 34-38. Ref. Nov 1975

024300 SF779.5.A1B6
Drug interactions [Veterinary medicine]. Edwards, W C *Bovine Pract* 10: 82-83. Nov 1975

024301 SF779.5.A1B6
Lameness in cattle: a survey of 102 cases including history, clinical and radiographic findings, prognosis and treatment. Nesbitt, G H; Amstutz, H E; Lewis, R E *Bovine Pract* 10: 39-40, 43-49. Ref. Nov 1975

024302 SF779.5.A1B6
Michigan dairymen indicate demand for veterinary services and client education. Morrow, D A; Newman, L E *Bovine Pract* 10: 78-81. Nov 1975

024303 SF779.5.A1B6
The role of blood profiles in cattle health problems. Guss, S B *Bovine Pract* 10: 12-14. Nov 1975

024304 41.8 V643
Sedation and restraint of fallow deer with Diazepam. Done, S H; Lees, P; Dansie, O; Watkins, L W *Br Vet J* 131 (5): 545-548. Sept/Oct 1975

024305 41.8 C12
Interpretation of total and differential leukocyte counts [Dogs, cattle]. Schalm, O W *Calif Vet* 29 (12): 25-28. Dec 1975

024306 41.8 C33
A survey of pathological conditions in the genital organs of ewes [Sheep]. Ramachandra Rao, L *Ceylon Vet J* 22 (3/4): 66-68. Sept/Dec 1974

024307 275.29 ID13IDC
Common diseases of poultry in Idaho. Petersen, C F; Card, C S; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 304, 4 P. June 1975

024308 QP141.A1D5
Perietal cell vagotomy in dogs. Influence on Heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. Bone, J; Brandsborg, O; Brandsborg, M; Mikkelsen, K; Eriksen, P O; Amdrup, E *Dig Int J Gastroenterol* 12 (4/6): 201-208. 1975

024309 SF955.E6
Effects of some drugs on the physiological changes during exercise in the horse. Sanford, J; Aitken, M M *Equine Vet J* 7 (4): 198-202. Ref. Oct 1975

024310 SF955.E6
Trimethoprim in the horse [Veterinary pharmacology]. Alexander, F; Collett, R A *Equine Vet J* 7 (4): 203-206. Ref. Oct 1975

024311 RB1.E9
Characteristic features of actinomycin D-induced paw inflammation of the rat. Giri, S N; Rice, S; Bacchetti, P *Exp Mol Pathol* 23 (3): 367-378. Ref. Dec 1975

024312 28 F73
The veterinary contribution to public health practice. Food and Agriculture Organization of the United Nations *FAO Agric Stud* 96, 79 P. 1975

024313 41.8 G29
The radius and ulna [Dogs, radiography]. Badertscher, R R II; Barber, D L *Ga Vet* 27 (6): 19-24. Nov/Dec 1975

024314 SF391.H6
Housing, health closely related [Swine]. Wallace, H M *Hog Farm Manage* 12 (12): 38. Dec 1975

024315 41.8 IN2
Continuous lock stitches for everted enteroanastomosis in bovine (Bubalus bubalis) [buffaloes]. Singh, G; Manohar, M; Kumar, R; Nigam, J M *Indian Vet J* 52 (10): 805-806. Oct 1975

024316 41.8 IN2
Dermoid cystectomy on nictitating membrane in a Hariana bull calf. Angelo, S J; Lavania, J P; Malik, G S *Indian Vet J* 52 (11): 871-873. Nov 1975

024317 41.8 IN2
Transport of sulfonamides into caprine [goat] erythrocyte [Veterinary pharmacology]. Banerjee, N C; Mishra, S S; Jha, H N *Indian Vet J* 52 (11): 844-846. Nov 1975

024318 41.8 IR4
A case of true dorsal flexion of the head in a foal. Farrell, J P; Nolan, P J *Ir Vet J* 29 (9): 143-144. Sept 1975

024319 41.8 AM3
Dairy goat herd health problems. Guss, S B *J Am Vet Med Assoc* 167 (12): 1076-1079. Dec 15, 1975

024320 41.8 AM3
Surgical approaches to certain long bones of the horse for application of tension band plates. Milne, D W; Turner, A S; Gabel, A A *J Am Vet Med Assoc* 168 (1): 48-52. Ref. Jan 1, 1976

447.8 J825
Suturable gastrointestinal cannulas for animals of various sizes [Rabbits, rats, dogs]. Cramer, C F; Couch, R *J Appl Physiol* 39 (5): 846-848. Nov 1975

024321 44.8 J822
Simplified method for producing permanent ruminal fistulae [Sheep, cattle]. Thyfault, H A; Leffel, E C; Huang, M Der *J Dairy Sci* 58 (12): 1899-1901. Dec 1975

024322 41.9 AN4D
Experimental keratoplasty in dogs and rabbits [Transplant of the cornea]. (Tur) Anteplioglu, H; Sengun, T; Akin, F *J Fac Vet Med* 21 (3/4): 333-343. Ref. Eng. Sum. 1974 (Pub. 1975)

024323 41.9 AN4D
Surgical treatment of pericarditis traumatica in a cow by thoraco-pericardiotomy. (Tur) Gorgul, O S *J Fac Vet Med* 21 (3/4): 199-208. Eng. Sum. 1974 (Pub. 1975)

024324 41.9 AN4D
The importance of teratology in the [animal] anatomy. (Ger) Deniz, E *J Fac Vet Med* 21 (3/4): 209-216. 1974 (Pub. 1975)

024325 41.8 SO8
Causes of colic and types requiring surgical intervention [Horses]. Wheat, J D *J S Afr Vet Assoc* 46 (1): 95-99. Mar 1975

024326 41.8 SO8
Indications for surgical intervention in equine colic [Horses]. Kalsbeer, H C *J S Afr Vet Assoc* 46 (1): 101-105. Mar 1975

024327 41.8 SO8
Intestinal surgery in the foal. Crowhurst, R C; Simpson, D J; McEnery, R J; Greenwood, R E S *J S Afr Vet Assoc* 46 (1): 59-67. Mar 1975

024328 41.8 SO8
Post-operative management of equine abdominal patients [Horses]. Boles, C *J S Afr Vet Assoc* 46 (1): 123-125. Mar 1975

024329 41.8 SO8
Radiographic examination of the equine back case [Horses]. Jeffcott, L B *J S Afr Vet Assoc* 46 (1): 133, 136. Mar 1975

024330 41.8 SO8
Radiography of the alimentary canal of the horse. Reid, C F *J S Afr Vet Assoc* 46 (1): 69-72. Mar 1975

024331 41.8 SO8
Surgical techniques in equine colic [Horses]. Boles, C *J S Afr Vet Assoc* 46 (1): 115-119. Mar 1975

024332 41.8 SO8
The diagnostic and prognostic value of lactate determinations in horses with acute abdominal crisis. Donawick, W J; Ramberg, C F; Paul, S R; Hiza, M A *J S Afr Vet Assoc* 46 (1): 127-128. Mar 1975

024333 41.8 J8292
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood [Veterinary hematology]. Jain, N C; Kono, C S *J Small Anim Pract* 16 (10): 671-678. Oct 1975

024334 41.8 J8292
Recanalized patent ductus arteriosus in the dog. Eyster, G E; Whipple, R D; Evans, A T; Hough, J D; Anderson, L K *J Small Anim Pract* 16 (11): 743-749. Nov 1975

024335 41.8 J8292
Small animal literature index [Veterinary medicine]. *J Small Anim Pract* 16 (10): 695-705. Ref. Oct 1975

024336 41.8 J8292
The Journal of Small Animal Practice [Veterinary periodicals]. Arthur, G H *J Small Anim Pract* 16 (11): 751-759. Nov 1975

024337 389.78 K85
Feed drugs and their use in practice. (Ger) Keller, W *Kraftfutter* 58 (11): 436, 438. Nov 1975

024338 QL55.A1L3
A survey of naturally occurring diseases of the Syrian hamster. Renshaw, H W; Van Hoosier, G L Jr; Amend, N K *Lab Anim* 9 (3): 179-191. Ref. July 1975

024339 QL55.A1L3
Halothane anaesthesia of normal and dystrophic hamsters. Carvell, J E; Stoward, P J *Lab Anim* 9 (4): 345-352. Ref. Oct 1975

024340 QL55.A1L3
Immunosuppression in rabbits: skin and kidney allografts. Green, C J *Lab Anim* 9 (3): 223-232. Ref. July 1975

024341 QL55.A1L3
Neuroleptanalgesic drug combinations in the anaesthetic management of small laboratory animals. Green, C J *Lab Anim* 9 (3): 161-178. Ref. July 1975

024342 20 M57
Microflora of the air of poultry quarters and their effect on the health and productivity of poultry. (Rus) Petkov, G; TSutsumanski, V *Mezhdunar S-kh Zh* 6: 82-86. 1975

024343 41.8 N812
Radiographic interpretation: the urinary system [Dogs]. Zontine, W J *Mod Vet Pract* 56 (12): 840-844. Dec 1975

024344 43.9 N212
Maintaining a healthy livestock industry on an international basis. Wells, K F *Proc Annu Conv Natl Assoc Anim Breeders* 28th: 38-46. 1974

024345 49.9 N483
Animal [cattle] health in a feedlot. Morris, G R *Proc N Z Soc Anim Prod* 34: 188-193. Ref. 1974

024346 S293.C6N31
Some animal diseases found in slaughterhouses [Cattle, buffaloes, swine]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 630-636. Eng. Sum. 1974

024347 41.8 R24
Cardiac clinical semeiology [Dogs]. (Fre) Moraillon, R *Recl Med Vet* 151 (11, Special No.): 631-644. Eng. Sum. Nov 1975

024348 41.8 R24
Cardiovascular analeptics. (Fre) Pinault, L; Brugere, H *Recl Med Vet* 151 (11, Special No.): 723-730. Eng. Sum. Nov 1975

024349 41.8 R24
Normal electrocardiogram in dogs. (Fre) Clerc, B *Recl Med Vet* 151 (11, Special No.): 665-672. Ref. Eng. Sum. Nov 1975

024350 41.8 R24
Notions of cardiac radiology [Dogs]. (Fre) Clerc, B *Recl Med Vet* 151 (11, Special No.): 645-656. Eng. Sum. Nov 1975

024351 41.8 R24
Theoretical foundations of electrocardiograms. (Fre) Pouchelon, J L *Recl Med Vet* 151 (11, Special No.): 657-664. Eng. Sum. Nov 1975

024352 41.8 R32
Acupuncture analgesia in veterinary surgery. First results. (Fre) Arambarri, R; Cazieus, A; Dickele, G; Genevois, J P *Rev Med Vet (Toulouse)* 126 (10): 1231-1236. Eng. Sum. Oct 1975

024353 41.8 R32
Analysis of electrocardiogram of Dalmatian dogs. (Fre) Mazue, G; Berthe, J; Serre, M; Dupuis, B *Rev Med Vet (Toulouse)* 126 (10): 1289-1294. Eng. Sum. Oct 1975

024354 41.8 R32
The defence rights [Veterinary medicine]. (Fre) Linon, P G *Rev Med Vet (Toulouse)* 126 (10): 1333-1336. Eng. Sum. Oct 1975

024355 41.8 R32
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. Sodium, potassium, chlorides, urea and hematocrit. (Fre) Mouthon, G; Baudry, J C; Magat, A; Roy, J C; Chapoutier, H *Rev Med Vet (Toulouse)* 126 (10): 1295-1312. Ref. Eng. Sum. Oct 1975

024356 41.9 IM7
Reproductive disorders in pigs. Wrathall, A E *Rev Ser Commonw Bur Anim Health Commonw Agric Bur* 11, 311 P. Ref. 1975

024357 41.8 R3224
Specialization in veterinary medicine: viewpoint of a general practitioner. Doig, P A *Rev Vet Can* 16 (10): 297-301. Oct 1975

024358 41.8 R3224
Specialization: when, where, how [Veterinary medicine]. Walker, J M *Rev Vet Can* 16 (10): 301-303. Oct 1975

024359 41.8 R3224
The implications of specialization in medicine [Includes veterinary medicine]. Walsh, W J *Rev Vet Can* 16 (10): 295-297. Oct 1975

024360 100 P381S
Diseases of wildlife examined at laboratory [Zoonoses]. Kradel, D C; Rothenbacher, H R; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 2-3. Fall 1975

024361 41.8 T31
Feline miliary dermatitis. Reedy, L M *Tex Vet Med J* 37 (6): 16. Nov/Dec 1975

024362 41.8 T445
Analysis of scientific activity in veterinary medicine from 1972 to 1974 in German-speaking areas based on title bibliography information service in veterinary medicine. (Ger) Brodauf, H; Pommer, J H T *Tierarztl Umsch* 30 (10): 478, 480, 483-486, 488. Oct 1, 1975

024363 41.8 T445
Operative care of infected wounds with an exchange suture [Dogs]. (Ger) Buschelberger, N *Tierarztl Umsch* 30 (11): 554-556. Eng. Sum. Nov 1, 1975

024364 41.8 T445
Raising the oxytetracycline speculum in the bronchial mucous membrane of swine by simultaneous administration of Bromhexin (Bisolvon). (Ger) Abdou, M A F; Kotzian, J; Gold, M *Tierarztl Umsch* 30 (11): 565-566. Nov 1, 1975

024365 41.8 T445
50 years of the Animal Health Office of the Weser-Ems Agricultural Chamber. (Ger) Reuss, U *Tierarztl Umsch* 30 (11): 568, 570-573. Nov 1, 1975

024366 49 T443
Responsibilities and activities of veterinary staff integrated in production. (Ger) Sensel, H; Boning, J *Tierzucht* 29 (6): 268-269. June 1975

024367 41.8 T431
An unusual case of dilatation of the esophagus in a cat [Lymphosarcomas, feline leukemia virus]. (Dut) Janssen, R; Gajentaan, J E; Weijer, K *Tijdschr Diergeneeskd* 100 (22): 1217-1220. Eng. Sum. Nov 15, 1975

024368 41.8 T431
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. (Dut) Schotman, A J H; Wensing, T; Ockels, J; Bruyne, J J de; Hendriks, H J *Tijdschr Diergeneeskd* 100 (21): 1137-1142. Eng. Sum. Nov 1, 1975

024369 41.8 T431
In memoriam: Dr. Gijsbert Goedbloed [Veterinarians, Netherlands]. (Dut) Wijhe, J H G van *Tijdschr Diergeneeskd* 100 (21): 1181. Nov 1, 1975

024370 41.8 T431
In memoriam: E. Vleming [Veterinarians]. (Dut) Rosmalen, W C van *Tijdschr Diergeneeskd* 100 (22): 1230. Nov 15, 1975

024371 41.8 T431
In memoriam: H. A. Dingemans [Veterinarians]. (Dut) Santen, R van *Tijdschr Diergeneeskd* 100 (22): 1231. Nov 15, 1975

024372 41.8 T431
In memoriam: Jan Stapel [Veterinarians, Netherlands]. (Dut) Rempt, D; Beusekom, C van *Tijdschr Diergeneeskd* 100 (21): 1180. Nov 1, 1975

024373 SF601.T7
The planning and construction of veterinary investigation laboratories in tropical and sub-tropical countries. II. Interior laboratory planning with provision for flexibility. Hammond, J A; MacLeod, W G *Trop Anim Health Prod* 7 (4): 229-235. Nov 1975

024374 SF601.T7
The planning and construction of veterinary investigation lagladesh nch and other services. Rahman, A; Uddin Ahmad, M; Mia, A S *Trop Anim Health Prod* 7 (4): 237-243. Nov 1975

024375 SF601.T7
Veterinary work at a primate collection in kenya. Cooper, J E; Holt, P E *Trop Anim Health Prod* 7 (4): 219-228. Ref. Nov 1975

024376 41.8 V6458
Designed exclusively for an equine practice [Surgery]. Lose, M *Vet Econ* 16 (12): 34-36, 38, 40-41. Dec 1975

024377 41.8 V6458
Ethics and academia [Veterinary medicine]. Solomon, J A; Rosenberger, J H; Miedema, G J; Grundish, R W *Vet Econ* 16 (12): 8, 10. Dec 1975

024378 41.8 V6458
"Housecall service available" [Veterinary medicine]. *Vet Econ* 16 (12): 26-28. Dec 1975

024379 41.8 V641
Epidural anaesthesia in donkeys. Shoukry, M; Saleh, M; Fouad, K *Vet Rec* 97 (23): 450-452. Ref. Dec 1975

024380 41.8 UP4
Equine endoscopy [of the upper respiratory track]. Johnson, J H; Merriam, J G *Vet Scope* 19 (2): 2-11. Ref. 1975

024381 SF604.V46
Application and verification of SPOFA preparations in specific conditions in Algeria [Cattle, veterinary drugs]. (Cze) Palec, V; Reichel, F *Veterinaria* 17 (2): 117-127. Ref. Eng. Sum. 1975

024382 SF604.V46
The application of the combination of tylosin and sulphadimidine in swine herds. III. Testing under field conditions. (Cze) Reichel, F; Sevcik, B; Caslavka, J *Veterinaria* 17 (1): 21-31. Ref. Eng. Sum. 1975

024383 41.8 V6439
Deeper collaboration in veterinary medicine among the Mutual Economic Assistance countries participating in increasing animal production and protection of human health. (Cze) Capka, M *Veterinarstvi* 25 (9): 385-386. 1975

024384 41.8 V6439
Experience from some laboratory examinations in dog dermatology. (Cze) Vokoun, P *Veterinarstvi* 25 (9): 423-424. 1975

024385 41.8 V6439
On etiology of abortions in farm animals. (Cze) Vlcek, Z *Veterinarstvi* 25 (9): 387-390. 1975

024386 41.8 V6439
Specialization of veterinary service in the Tachov district. (Cze) Sip, J *Veterinarstvi* 25 (9): 427-428. 1975

024387 20 V82
Sanitary-hygienic basis for distances between livestock quarters [Designs]. (Ukr) Markov, IU M; Svyrydenko, V A; Vovk, A S; Levanidova, Z M; Bil'chenko, V I; Kostenko, L O; Kolotova, V I *Visn Sil's'kohospod Nauki* 9: 100-105. Sept 1975

024388 20 V82
Study of the effectiveness of the closed method of surgery in cases of damage to the mammary cisterna [Cows]. (Ukr) Kartashov, I I *Visn Sil's'kohospod Nauki* 6: 79-81. June 1975

024389 41.8 M69
Amputation of bovine medial dew claws on hindlegs as an aid in controlling teat trauma. Anderson, J F; Arnold, J P; Farnsworth, R J *VM SAC (Vet Med Small Anim Clin)* 71 (1): 73-76. Jan 1976

024390 41.8 M69
Factors in disease and mortality of lambs. Beck, C C; Cords, G B; Henneman, H A *VM SAC (Vet Med Small Anim Clin)* 71 (1): 84, 86-91. Ref. Jan 1976

024391 41.8 M69
Selenium-tocopherol in veterinary medicine. Herrick, J B *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1455-1460. Dec 1975

024392 41.8 M69
Small animal clinical otology instrumentation. 1. Rose, W R *VM SAC (Vet Med Small Anim Clin)* 71 (1): 31-36. Jan 1976

024393 41.8 M69
The stader plan expands—beautifully! [Veterinary hospitals]. Miller, R M; Kind, R E; Dresher, L K; Peddie, J F *VM SAC (Vet Med Small Anim Clin)* 71 (1): 63-68. Jan 1976

024394 41.8 M69
Use of an inclined plane for correction of ectopic mandibular canine tooth in a dog. Kind, R E; Mays, R A *VM SAC (Vet Med Small Anim Clin)* 71 (1): 52-55. Jan 1976

024395 41.8 Z5
Trimethoprim and sulphadoxine in swine. Half-lives, volume of distribution and tissue concentrations. Nielsen, P; Rasmussen, F *Zentralbl Veterinarmed, Reihe A* 22 (7): 564-571. Ref. Sept 1975

INFECTIOUS AND PARASITIC DISEASES

024396 41.8 AC87
A study of outbreaks of Aujeszky's disease in cattle. I. Virological and epidemiological findings. Bitsch, V *Acta Vet Scand* 16 (3): 420-433. Ref. 1975

024397 41.8 AC87
A study of outbreaks of Aujeszky's disease in cattle. II. Further investigations on the routes of infection. Bitsch, V *Acta Vet Scand* 16 (3): 434-448. 1975

024398 41.8 AC87
A study of outbreaks of Aujeszky's disease in cattle. III. Selected outbreaks of a special interest regarding epidemiology. Bitsch, V *Acta Vet Scand* 16 (3): 449-455. 1975

024399 41.8 AC87
Deoxyribonuclease production by leptospires. Liven, E *Acta Vet Scand* 16 (3): 477-479. 1975

024400 41.8 AC87
Testing and management of a specific pathogen free chicken flock with special reference to avian leukosis virus infections. Sandelin, K; Estola, T *Acta Vet Scand* 16 (3): 341-356. 1975

024401 41.8 AC87
The SPS [sodium-polyanethol-sulfonate] and digitonin tests applied to porcine mycoplasmas. Friis, N F *Acta Vet Scand* 16 (3): 474-476. 1975

024402 41.8 AC87
Virus inactivation by ethylene oxide containing gases [Cats]. Jordy, A; Hoff-Jorgensen, R; Flagstad, A; Lund, E *Acta Vet Scand* 16 (3): 379-387. 1975

024403 QP98.A1A5
Gene dosage and antigenic expression on the cell surface of bovine erythrocytes. Ostrand-Rosenberg, S *Anim Blood Groups Biochem Genet* 6 (2): 81-99. Ref. 1975

024404 QP98.A1A5
Isoimmune anti-A blood group reagents in pigs. Hojny, J; Hradecky, J; Jilek, F *Anim Blood Groups Biochem Genet* 6 (2): 101-107. Ref. 1975

442.8 AN72
Proceedings of the Federation of British Plant Pathologists, January 1974: Breakdown of control against pathogens of plants and animals [Abstracts of papers]. Federation of British Plant Pathologists *Ann Appl Biol* 81 (3): 437-444. Ref. Dec 1975

024405 448.3 AN75
Experimental herpetic [Herpesvirus hominis] infection in rabbits combined with immunodepression. (Fre) Bogossian, M; Huraux, J M; Nicolas, J C; Begue, P; Bricout, F *Ann Microbiol* 126B (2): 221-230. Ref. Eng. Sum. Sept 1975

024406 448.3 AN75
The action of 2(alpha-hydroxybenzyl)-benzimidazole on 26 strains of bovine enteroviruses isolated in Algeria. (Fre) Vincent, J *Ann Microbiol* 126B (2): 255-257. Eng. Sum. Sept 1975

024407 436.8 AN7
Cyclic AMP [adenosine monophosphate] phosphodiesterase activity in Fasciola hepatica (L.) homogenates. Simonic, T; Sartorelli, P; Locatelli, A *Ann Parasitol Hum Comp* 50 (4): 461-468. Ref. July/Aug 1975

024408 RC963.A1A7
Edwardsiella tarda infections in Florida raccoons, Procyon lotor. White, F H; Watson, J J; Hoff, G L; Bigler, W J *Arch Environ Health* 30 (12): 602-603. Ref. Dec 1975

024409 41.8 EX7
Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. Haralambiev, H; Tsvetkov, P; Nikolov, A; Gaytandgieva, R *Arch Exp Veterinarmed* 29 (5): 701-704. 1975

024410 41.8 EX7
Immunological relationships between two strains of mucosal disease/virus diarrhea virus [Calves]. (Ger) Haralambiev, H *Arch Exp Veterinarmed* 29 (5): 777-780. Eng. Sum. 1975

024411 41.8 EX7
Investigation on the immunogenity of concentrated ethanol saponin vaccine against mucosal disease—bovine viral diarrhea. Zwetkow, P; Boyadgiev, St; Haralambiev, H *Arch Exp Veterinarmed* 29 (5): 759-761. Ref. 1975

024412 41.8 EX7
Isolation of reovirus from mink. (Ger) Kokles, R *Arch Exp Veterinarmed* 29 (5): 781-788. Eng. Sum. 1975

024413 41.8 EX7
On the antigenic structure of vibrions studies by means of the agglutination reaction and fluorescent antibodies [isolated from swine]. (Ger) Sartmadshiev, K; Popov, T *Arch Exp Veterinarmed* 29 (5): 655-660. Ref. Eng. Sum. 1975

024414 41.8 EX7
Significance of CELO virus contamination of hatching eggs, in view of its oncogenic properties. (Ger) Abel, C *Arch Exp Veterinarmed* 29 (5): 705-710. Ref. Eng. Sum. 1975

024415 41.8 EX7
Spontaneous transformation of the enteropathogenis Escherichia coli serotype O149:K91:K88ac:H10 into the enteropathogenic serotype O138:K81 [Rabbits]. (Ger) Parnas, J; Dam, A *Arch Exp Veterinarmed* 29 (5): 763-767. Eng. Sum. 1975

024416 41.8 L49
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric lymph nodes of normal slaughter pigs. (Ger) Vandenbrande, G; Hoof, J van *Arch Lebensm Hyg* 26 (5): 171-175. Ref. Eng. Sum. Sept/Oct 1975

024417 41.8 L49
Investigations on some parameters of milk for the detection of subclinical mastitis. (Ger) Renner, E *Arch Lebensm Hyg* 26 (5): 163-171. Ref. Eng. Sum. Sept/Oct 1975

024418 448.3 AR23
Abortive rabies in rabbits and white rats infected intracerebrally. Gribencha, S V *Arch Virol* 49 (4): 317-322. Ref. 1975

024419 448.3 AR23
Binding of polyriboinosinic-polyribocytidylic acid with cultured cells [Mice, chick embryos, rabbits]. Kohno, S; Shirasawa, N; Umino, Y; Matsuno, T; Kohase, M *Arch Virol* 49 (2/3): 229-237. Ref. 1975

024420 448.3 AR23
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian infectious bronchitis virus in chick kidney cells. Alexander, D J; Collins, M S *Arch Virol* 49 (4): 339-348. Ref. 1975

024421 448.3 AR23
Electron microscopical study of initial and final stages of fowl plague virus-replication in chick embryo cells. Reinacher, M; Weiss, E *Arch Virol* 49 (2/3): 187-197. Ref. 1975

024422 448.3 AR23
Immunoglobulins, antibodies and inhibitors of parainfluenza 3 virus in respiratory secretions of sheep. Smith, W D; Wells, P W; Burrells, C; Dawson, A M *Arch Virol* 49 (4): 329-337. Ref. 1975

024423 448.3 AR23
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. Dundaroff, S; Just, I; Falke, D *Arch Virol* 49 (2/3): 117-126. Ref. 1975

024424 448.3 AR23
Multiplication if Venezuelan equine encephalitis (Mucambo) virus in cultured mosquito cells [Aedes aegypti, Aedes albopictus]. Esparza, J; Sanchez, A *Arch Virol* 49 (2/3): 273-280. Ref. 1975

024425 448.3 AR23
Swinepox, virus isolation, experimental infections and the differentiation from Vaccinia virus infections. Boer, G F de *Arch Virol* 49 (2/3): 141-150. Ref. 1975

024426 448.3 AR23
The influence of pH [hydrogen-ion concentration] on the growth and stability of transmissible gastroenteritis virus in vitro [Swine]. Pocock, D H; Garwes, D J *Arch Virol* 49 (2/3): 239-247. Ref. 1975

024427 448.3 AR23
The polypeptide composition of avian infectious bronchitis virus. Bingham, R W *Arch Virol* 49 (2/3): 207-216. Ref. 1975

024428 448.3 AR23
Ultrastructural aspects of experimental swinepox with special reference to inclusion bodies. Teppema, J S; Boer, G F de *Arch Virol* 49 (2/3): 151-163. Ref. 1975

024429 23 AU783
Skeletal muscle, liver and wool protein synthesis by sheep infected by the nematode trichostrongylus colubriformis. Symons, L E A; Jones, W O *Aust J Agric Res* 26 (6): 1063-1072. Ref. Nov 1975

024430 41.8 AU72
Attenuated vaccines against bovine ephemeral fever. Spradbrow, P B *Aust Vet J* 51 (10): 464-468. Ref. Oct 1975

024431 41.8 AU72
Immunoglobulin class specificity of non-agglutinating antibody produced in cattle following Brucella abortus 45/20 vaccination. Beh, K J *Aust Vet J* 51 (10): 481-483. Oct 1975

024432 41.8 AU72
The adverse effect of environment on the response to distemper vaccination [Dogs]. Webster, A C *Aust Vet J* 51 (10): 488-490. Oct 1975

024433 41.8 AU72
The prevalence of sarcosporidiosis [Sarcocystis] in Australian meat animals [Sheep, cattle, swine]. Munday, B L *Aust Vet J* 51 (10): 478-480. Oct 1975

024434 41.8 AV5
A microtiter complement-fixation test for detecting and differentiating Newcastle disease virus strains. *Avian Dis* 19 (4): 834-837. Oct/Dec 1975

024435 41.8 AV5
Adenovirus respiratory infection in turkey poults. Blalock, H G; Simmons, D G; Muse, K E; Gray, J G; Derieux, W T *Avian Dis* 19 (4): 707-716. Ref. Oct/Dec 1975

024436 41.8 AV5
Demonstration of avian influenza-A virus in Iran by immunodiffusion technique. Samadieh, B; Kargar-Moaakhar, R; Afnan, M *Avian Dis* 19 (4): 689-691. Ref. Oct/Dec 1975

024437 41.8 AV5
Hemagglutinating properties of CELO [chicken-embryo-lethal-orphan], an oncogenic avian adenovirus. el Mishad, A M; McCormick, K J; Stenback, W A; Yates, V J; Trentin, J J *Avian Dis* 19 (4): 761-772. Ref. Oct/Dec 1975

024438 41.8 AV5
Hemorrhagic enteritis of turkeys. Antiserum—efficacy, preparation, and use. Domermuth, C H; Gross, W B *Avian Dis* 19 (4): 657-665. Oct/Dec 1975

024439 41.8 AV5
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. Van der Heide, L; Kalbac, M *Avian Dis* 19 (4): 683-688. Ref. Oct/Dec 1975

024440 41.8 AV5
Influence of age on the serological response of chickens to Salmonella typhimurium infection. Williams, J E; Whittemore, A D *Avian Dis* 19 (4): 745-760. Ref. Oct/Dec 1975

024441 41.8 AV5
Influence of some physical factors on survival of Marek's disease vaccine virus. Colwell, W M; Simmons, D G; Harris, J R; Fulp, T G; Carrozza, J H; Maag, T A *Avian Dis* 19 (4): 781-790. Oct/Dec 1975

024442 41.8 AV5
Interaction of aflatoxin with Eimeria tenella infection andmonensin in young broiler chickens. Wyatt, R D; Ruff, M D; Page, R K *Avian Dis* 19 (4): 730-740. Ref. Oct/Dec 1975

024443 41.8 AV5
Methods of spread of velogenic viscerotropic Newcastle disease virus in the southern Californian epidemic of 1971-1973 [Chickens]. Burridge, M J; Riemann, H P; Utterback, W W *Avian Dis* 19 (4): 666-678. Map. Ref. Oct/Dec 1975

024444 41.8 AV5
Newcastle disease virus pathogenesis in the respiratory tract of local or systemic immunized chickens. Levy, R; Spira, G; Zakay-Rones, Z *Avian Dis* 19 (4): 700-706. Ref. Oct/Dec 1975

024445 41.8 AV5
Pasteurellosis in African grey parrots (Psittacus erithacus L.). Miringa, E N *Avian Dis* 19 (4): 812-813. Oct/Dec 1975

024446 41.8 AV5
Preparation of Newcastle disease virus hemagglutination-inhibition test antigen [Chickens]. Beard, C W; Hopkins, S R; Hammond, J *Avian Dis* 19 (4): 692-699. Oct/Dec 1975

024447 41.8 AV5
Relative value of [Eimeria] oocyst counts in evaluating anticoccidial activity [Chickens]. Reid, W M *Avian Dis* 19 (4): 802-811. Ref. Oct/Dec 1975

024448 41.8 AV5
Response of chickens with genetically different hemoglobin types to infection with Eimeria tenella and mechanical bleeding [Chickens]. Washburn, K W *Avian Dis* 19 (4): 791-801. Ref. Oct/Dec 1975

024449 41.8 AV5
Response of congenitally immune chicks to viscerotropic velogenic Newcastle disease virus. Stone, H D; Boney, W A Jr; Coria, M F *Avian Dis* 19 (4): 651-656. Oct/Dec 1975

024450 41.8 AV5
Salmonellosis in canaries [Salmonella typhimurium]. Harrington, R Jr; Blackburn, B O; Cassidy, D R *Avian Dis* 19 (4): 827-829. Oct/Dec 1975

024451 41.8 AV5
The role of the infectious bursal agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and gangrenous dermatitis [Broilers]. Rosenberger, J K; Klopp, S; Eckroade, R J; Krauss, W C *Avian Dis* 19 (4): 717-729. Ref. Oct/Dec 1975

024452 41.8 AV5
Transmission of Histomonas meleagridis to domestic fowl by means of earthworms recovered from pheasant yard soil. Kemp, R L; Franson, J C *Avian Dis* 19 (4): 741-744. Oct/Dec 1975

024453 41.8 AV5
Using the HmL1 strain of Histomonas meleagridis in evaluating chemotherapeutants in chicks. Chappel, L R *Avian Dis* 19 (4): 679-682. Ref. Oct/Dec 1975

024454 SF995.A1A9
An antigen in normal avian cells which confuses virological and serological tests [Chickens]. Calnek, B W *Avian Pathol* 4 (4): 255-269. Ref. 1975

024455 SF995.A1A9
Coccidiosis in broilers: evaluation of infection by the examination of broiler house litter for oocysts. Long, P L; Tompkins, R V; Millard, B J *Avian Pathol* 4 (4): 287-294. 1975

024456 SF995.A1A9
Infectious bursal agent of chickens reduces the incidence of lymphoid leukosis. Purchase, H G; Cheville, N F *Avian Pathol* 4 (4): 239-245. Ref. 1975

024457 SF995.A1A9
Influence of strain of chickens on the immune response to vaccination against Marek's disease. Zanella, A; Valantines, J; Granelli, G; Castelli, G *Avian Pathol* 4 (4): 247-253. Ref. 1975

024458 SF995.A1A9
Isolation, characterization and public health aspects of Vibrio cholerae NAG [Non Agglutinable] isolated from a Danish duck farm. Bisgaard, M; Kristensen, K K *Avian Pathol* 4 (4): 271-276. 1975

024459 SF995.A1A9
Suppressive effects of antibiotics on experimentally inoculated Staphylococcus aureus populations on the skin of poultry. Devriese, L A; Devos, A H *Avian Pathol* 4 (4): 295-302. Ref. 1975

024460 SF995.A1A9
The response of chickens to experimental infection 'in ovo' with Mycoplasma synoviae. Bradbury, J M; Howell, L J *Avian Pathol* 4 (4): 277-286. Ref. 1975

024461 442.8 B5236
Nucleotide sequences in the RNA of mammalian leukemia and sarcoma viruses. Pang, R H L; Phillips, L A *Biochem Biophys Res Commun* 67 (2): 508-517. Ref. Nov 17, 1975

024462 381 B523
Structural and thermodynamic basis of affinity in anti-dinitrophenyl [Rabbits, goats, guinea pigs] antibody. Halsey, J F; Cebra, J J; Biltonen, R L *Biochemistry (Easton)* 14 (23): 5221-5224. Nov 18, 1975

024463 442.8 B523
Complexes of haemoglobin and hem-protein in sera of mammals. II. Immune electrophoretic researches [Swine, cattle]. (Ger) Giebelmann, R; Wild, C; Becker, I; Gibb, B; Scheibe, E *Biol Zentralbl* 94 (3): 333-337. Ref. Eng. Sum. May/June 1975

024464 449.9 P192B
Leptospirosis in San Martin, Peru [Man, animals]. (Spa) Liceras de Hidalgo, J *Bol Of Sanit Panam* 79 (5): 410-421 Map. Ref. Eng. Sum. Nov 1975

024465 SF779.5.A1B6
Anaplasmosis: treatment and management options available to the veterinarian and herd owner during an acute outbreak [Cattle]. Richey, E J; Brock, W E; Kliewer, I O; Jones, E W *Bovine Pract* 10: 23-27. Nov 1975

024466 SF779.5.A1B6
Examination of problem mastitis herds in Ohio [Dairy cattle]. Heider, L E *Bovine Pract* 10: 69-73. Nov 1975

024467 SF779.5.A1B6
Isolation of Mycoplasma dispar from cattle in the United States. Ose, E E; Muenster, O A *Bovine Pract* 10: 11. Nov 1975

024468 SF779.5.A1B6
Lymphosarcoma (leukemia) of cattle [Virus diseases]. Olson, C; Baumgartener, L E *Bovine Pract* 10: 15-16, 18-19, 22. Ref. Nov 1975

024469 SF779.5.A1B6
Mastitis therapy: effective treatment or double trouble? *Bovine Pract* 10: 66-67. Nov 1975

024470 SF779.5.A1B6
Pathogenesis of fetal infection in ruminants [Cattle]. Osburn, B I *Bovine Pract* 10: 7-8, 10-11. Ref. Nov 1975

024471 SF779.5.A1B6
The significance of bovine coccidiosis as a disease in the United States. Fitzgerald, P R *Bovine Pract* 10: 28-30, 32-33. Map. Nov 1975

024472 396.8 B77
Release of prostaglandin-like substances by Shigella endotoxin and its inhibition by nonsteroidal anti-inflammatory compounds [Rabbits]. Bhattacherjee, P *Br J Pharmacol* 54 (4): 489-494. Ref. Aug 1975

024473 47.8 B77
Sampling broiler house litter for coccidial oocysts. Long, P L; Rowell, J G *Br Poult Sci* 16 (6): 583-592. Nov 1975

024474 41.8 V643
Enhancement of susceptibility to experimental phycomycosis by agents producing reticuloendothelial stimulation [Mice, Absidia ramosa]. Eades, S M; Corbel, M J *Br Vet J* 131 (5): 622-624. Sept/Oct 1975

024475 41.8 V643
Equine piroplasmosis: leukocytic response to Babesia equi (Laveran, 1901) infection in Chile [Horses]. Rudolph, W; Correa, J; Zurita, L; Manley, W *Br Vet J* 131 (5): 601-609. Ref. Sept/Oct 1975

024476 41.8 V643
Mid-piece abnormalities in bovine semen following experimental and natural cases of bovine ephemeral fever [a viral disease of cattle]. Burgess, G W; Chenoweth, P J *Br Vet J* 131 (5): 536-544. Ref. Sept/Oct 1975

024477 41.8 V643
Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and immune relectron microscopy. Bridger, J C; Woode, G N *Br Vet J* 131 (5): 528-535. Ref. Sept/Oct 1975

024478 41.8 V643
Newcastle disease vaccines: a study of duration of immunity and properties of LaSota vaccine given in drinking water [Chicks]. Owolodun, B Y; Ajiboye, E A *Br Vet J* 131 (5): 580-585. Sept/Oct 1975

024479 41.8 V643
Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens [Mice]. Corbel, M J *Br Vet J* 131 (5): 625-626. Sept/Oct 1975

024480 41.8 V643
The effects of Mycoplasma hyorhinis and of Mycoplasma hyopneumoniae on pig kidney primary tissue culture. Pijoan, C *Br Vet J* 131 (5): 586-594. Ref. Sept/Oct 1975

024481 41.8 V643
The immune response of rats to subcutaneous implantation with Fasciola hepatica. Anderson, J C; Hughes, D L; Harness, E *Br Vet J* 131 (5): 509-518. Ref. Sept/Oct 1975

024482 41.9 AZ1
Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK [chicken kidney] attenuated virus. (Jpn) Uchinuno, Y *Bull Azabu Vet Coll* 29: 59-113. Ref. Eng. Sum. Jan 1975

024483 41.9 T572
An outbreak of Salmonella typhimurium infection in a farm of dairy-breed male calves. (Jpn) Oka, M; Ishino, S; Matsuda, K; Ikeda, S *Bull Kachiku Eisei Shikenjo* 71: 33-43. Ref. Aug 1975

024484 41.9 T572
An outbreak of equine infectious anemia in the Himeji Race Track and its control. (Jpn) Kobayashi, K; Kaneko, S; Togo, T; Nishio, T; Nakajima, H *Bull Kachiku Eisei Shikenjo* 71: 47-52. Aug 1975

024485 41.9 T572
Biological and biochemical properties and pathogenicity of Mycobacterium fortuitum of porcine origin in mice. (Jpn) Mutsumi, M; Nemoto, H *Bull Kachiku Eisei Shikenjo* 71: 27-32. Ref. Aug 1975

024486 41.9 T572
Bovine abortion and low fertility caused by Campylobacter fetus subsp. fetus (Vibrio fetus var. Venerealis), a first case in Japan. (Jpn) Maruyama, Y; Kume, T *Bull Kachiku Eisei Shikenjo* 71: 15-20. Ref. Aug 1975

024487 41.9 T572
Effects of KC1 [potassium vhloride] on the growth of pre-infective stage of Dictyocaulus viviparus larvae. (Jpn) Taira, N *Bull Kachiku Eisei Shikenjo* 71: 44-46. Aug 1975

024488 41.9 T572
Experimental infection of pigs with porcine parvovirus. (Jpn) Fujisaki, Y; Sugimori, T; Morimoto, T; Suzuki, H *Bull Kachiku Eisei Shikenjo* 71: 8-14. Ref. Aug 1975

024489 41.9 T572
Phage types of Staphylococcus aureus isolated from bovine milk from [cows] affected with mastitis in Japan. (Jpn) Kume, T; Murase, N *Bull Kachiku Eisei Shikenjo* 71: 21-26. Ref. Aug 1975

024490 41.9 T572
Susceptibility of chickens to avian encephalomyelitis virus. I. Clinical observation on day-old-chicks inoculated by various routes. (Jpn) Ikeda, S; Matsuda, K; Yonaiyama, K *Bull Kachiku Eisei Shikenjo* 71: 1-7. Ref. Aug 1975

024491 41.9 L99
Biological control of snail-borne diseases. Studies on the competitive exclusion between Physa acuta, Draparnaud and Biomphalaria glabrata, Say. (Fre) Graber, M; Euzeby, J *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 321-324. Ref. Eng. Sum. 1975

024492 41.9 L99
Biological control of snail-borne diseases. Study on predatory capability of Hirudo medicinalis (Gnathobdelliformes: Hirudidae) Linne against Biomphalaria glabrata Say. (Fre) Graber, M; Euzeby, J *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 325-328. Ref. Eng. Sum. 1975

024493 41.9 L99
Second parasitological inquiry in Guadeloupe. I. Trematodes of aquatic birds [Ducks, geese]. (Fre) Euzeby, J; Graber, M *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 317-320. Eng. Sum. 1975

024494 505 P21 (3)
Effect of cyclophosphamide on rabies infection in mice. Protection given by serotherapy. (Fre) Tsiang, H; Atanasiu, P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 957-960. Eng. Sum. Sept 29, 1975

024495 505 P21 (3)
Purification and study of the antigens of equine infectious anemia virus produced in vivo or in cell culture. (Fre) Toma, B; Laude, H; Goret, P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 591-594. Ref. Eng. Sum. Sept 1, 1975

024496 448.8 C162
Humoral antibody response to cattle to formalinized Staphylococcus aureus vaccine. Mukkur, T K S; Tewari, U J *Can J Microbiol* 21 (11): 1756-1759. Ref. Nov 1975

024497 448.8 C162
Identification and flagellation of coryneform bacteria from poultry litter. Antheunisse, J; Vonkeman, H *Can J Microbiol* 21 (11): 1798-1802. Ref. Nov 1975

024498 QH573.C42
Regulation of sugar transport in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. Kletzien, R F; Perdue, J F *Cell Mass Inst Technol* 6 (4): 513-520. Ref. Dec 1975

024499 41.8 C33
A biochemical and serological study of strains of Pasteurella multocida associated with haemorrhagic septicaemia in cattle and buffaloes in Sri Lanka. Alwis, M C L de; Panangala, V S *Ceylon Vet J* 22 (3/4): 58-63. Ref. Sept/Dec 1974

024500 41.8 C33
Studies in tuberculin sensitivity in livestock in Ceylon. V. Patterns of sensitivity in pigs. Weliange, L V; Wanasinghe, D D; Pinto, M R M; Navaratnam, C; Thirunavukarasu, S *Ceylon Vet J* 22 (3/4): 85-89. Sept/Dec 1974

024501 41.8 C33
The presence of Toxoplasma gondii in goats in Sri Lanka. Seneviratna, P; Fernando, S T; Kulasiri, C de S *Ceylon Vet J* 22 (3/4): 90. Sept/Dec 1974

QP1.C6
Insect morphogenetic hormones and developmental mechanisms in the nematode, Nematospiroides dubius. Dennis, R D *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 53-56. Ref. 1976

024502 80 C83
Most frightening of farm scourges: foot-and-mouth disease. Bell, P *Ctry Life* 158 (4090): 1418, 1420. Nov 20, 1975

024503 275.29 ID13IDC
Treating anaplasmosis [Anaplasma marginale] in cattle. Magonigle, R A; Frank, F E; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 311, 2 P. Aug 1975

024504 SF191.D3
The machine's role in mastitis control [Cattle]. Jarrett, J A *Dairy Herd Manage* 12 (12): 18-20, 22, 24. Dec 1975

024505 44.9 M382
Facial eczema on a Taranaki farm [Dairy cattle, sheep]. Fernee, R *Dairyfarming Annu* 26th: 65-67. Apr 1975

024506 44.9 M382
Facial eczema—the importance of litter and control [Dairy cattle]. Keogh, R G *Dairyfarming Annu* 26th: 59-63. Apr 1975

024507 44.9 M382
Mastitis detection [Dairy cattle]. Steffert, I J *Dairyfarming Annu* 26th: 135-136. Apr 1975

024508 44.9 M382
Mastitis [Control, dairy cattle]. Clarkson, A R *Dairyfarming Annu* 26th: 112-120. Apr 1975

024509 41.9 SO18
Brucellosis, abortion cause, in sheep and goats in northern Greece. (Gre) Xenos, G; Delinkaris, N; Giannakoula, D *Delt Ellin Ktiniatr Etair* 26 (1): 4-11. Ref. Eng. Sum. Jan/Mar 1975

024510 44.8 M736
Problem of infectious mastitis [in cows]. (Ger) Eichler, K *Dtsch Milchwirtsch* 26 (43): 1561-1562. Oct 22, 1975

024511 SF955.E6
Immunity to 'Strongylus vulgaris' in the horse. Duncan, J L *Equine Vet J* 7 (4): 192-197. Oct 1975

024512 SF955.E6
The identification of equine genital strains of Klebsiella and Enterobacter species. Atherton, J G *Equine Vet J* 7 (4): 207-209. Oct 1975

024513 QR180.E87
Cross-reactivity patterns of IgM and IgG anti-lipopolysaccharide antibodies in individual mice. DiPauli, R *Europ J Immunol* 5 (10): 689-694. Ref. Oct 1975

024514 QR180.E87
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. Geczy, A F; Geczy, C L; De Weck, A L *Europ J Immunol* 5 (10): 711-719. Ref. Oct 1975

024515 QR180.E87
Immunoglobulin-bearing lymphocytes of the chicken. I. Heavy chain immunoglobulin commitment and organ distribution. Hudson, L *Europ J Immunol* 5 (10): 694-698. Ref. Oct 1975

024516 QR180.E87
Specific B lymphocyte suppression by infectious bursal agent (Gumboro disease virus) in chickens. Hudson, L; Pattison, M; Thantrey, N *Europ J Immunol* 5 (10): 675-679. Ref. Oct 1975

024517 QR180.E87
Studies on sperm antigenicity. IV. Lymphocyte cytotoxicity in cell-mediated response to homologous spermatozoa [Guinea pigs]. Toder, V; Marcus, Z H; Nebel, L *Europ J Immunol* 5 (10): 680-683. Ref. Oct 1975

024518 QR180.E87
Suppression of immune responses to sheep red cell antigens in rats preimmunized with heterophilic antigen: cellular events. Hellering, I; Stern, K *Europ J Immunol* 5 (10): 705-710. Ref. Oct 1975

024519 QR180.E87
The clonal origin of cells contributing to successive phases of a cyclical immune response [Mice]. Phillips, J M; Dresser, D W *Europ J Immunol* 5 (10): 684-689. Ref. Oct 1975

024520 RB1.E9
[Escherichia coli] endotoxin-induced endothelial injury andrepair. I. Endothelial cell turnover in the aorta of the rabbit. Gerrity, R G; Caplan, B A; Richardson, M; Cade, J F; Hirsh, J; Schwartz, C J *Exp Mol Pathol* 23 (3): 379-385. Ref. Dec 1975

024521 275.29 M66EX
CMT [California Mastitis Test], your tool for detecting subclinical mastitis [Dairy cattle]. Appleman, R D; Farnsworth, R J; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 322, 4 P. 1975

024522 S19.F37
Protect young dogs from Distemper. Varma, T K *Farmer Parliament* 10 (4): 21-22. Apr 1975

024523 442.8 F712
Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA [human serum albumin] in rabbits and chickens. Madar, J; Karakoz, I; Balcarova, J; Sedlak, J; Hraba, T *Folia Biol (Praha)* 21 (5): 316-323. Ref. 1975

024524 442.8 F712
Long-term perservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of Rous sarcoma virus. Stetina, R; Svoboda, J; Mach, O *Folia Biol (Praha)* 21 (5): 334-339. Ref. 1975

024525 442.8 F712
The expression of avian Gs antigen in mammalian Rous sarcoma virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. Sovova, V; Mach, O; Lacinova, J; Hlozanek, I *Folia Biol (Praha)* 21 (5): 324-328. Ref. 1975

024526 442.8 F712
XIIIth International Symposium on Laboratory Animals, Hruba Skala, April 23-25, 1975 [Avian immunology, abstracts of papers]. *Folia Biol (Praha)* 21 (5): 354-369. 1975

024527 41.8 G112
Antibodies against Venezuelan equine encephalomyelitis virus in accidental human infections in Argentina. (Spa) Diego, A I de; Grela, M E; Barrera Oro, J G *Gac Vet* 37 (302): 404-418. Ref. Eng. Sum. Aug 1975

024528 26 H27
The danger of leptospirosis diseases [Livestock]. (Heb) Aharoni, H *Hassadeh* 56 (1): 105. Oct 1975

024529 S15.I598
Vaccine strain 19: its problems in animals [cattle] and man [Brucella abortus]. (Spa) Perez Franco, J; Cadena Santos, J *I C A Informa (Inst Colomb Agropecu)* 9 (11): 5-6. Nov 1974

024530 448.3 IM6
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. Torten, M; Johnson, R C; Kaattari, S; Leung, C; Benjamini, E *Immunology* 29 (6): 1093-1102. Ref. Dec 1975

024531 448.3 IM6
Local and systemic immune responses following oral immunization of foetal lambs. Husband, A J; McDowell, G H *Immunology* 29 (6): 1019-1028. Ref. Dec 1975

024532 448.3 IM6
Multiple antigenic sites on an eicosapeptide. I. Precipitin studies in the goat. Lieu, T; Chapman, G; Doscher, M S; Mikoryak, C A; Brown, R K; Kong, Y M *Immunology* 29 (6): 1133-1143. Ref. Dec 1975

024533 448.3 IM6
Naturally occurring double-stranded RNA and immune responses. III. Immunogenicity and antigenicity in animals. Cunnington, P G; Naysmith, J D *Immunology* 29 (6): 1001-1017. Ref. Dec 1975

024534 TP493.5.F6
Stabilities of viruses following freezing and storage at low temperatures. Greiff, D *In Freeze Drying and Advanced Food Technology. S. A. Goldblith, L. Rey & W. W. Rothmayr, eds.* P. 73-89. Ref. 1975

024535 QR1.I53 1974
An attenuated vaccine for Japanese encephalitis [Swine]. Inoue, Y K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 203-207. Ref. 1974 (Pub. 1975)

024536 QR1.I53 1974
Antibiotic decontamination in animals and in human patients. Waaij, D van der; Vossen, J M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 233-249. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Cereal scab causing mycotoxicoses in Korea and present status of mycotoxin researches [Gibberella zeae]. Chung, H S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 352-361. Ref. 1974 (Pub. 1975)

024537 QR1.I53 1974
Demonstration in tissue culture of cellular immunity of fowl cholera [Pasteurella multocida, chickens]. Yamaguchi, Y; Baba, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 14-18. 1974 (Pub. 1975)

024538 QR1.I53 1974
Farther attenuation of the virulence of Brucella abortus 19with preservation of its immunogenicity [Cattle]. Leon, A P; Perez, C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 218-224. Ref. 1974 (Pub. 1975)

024539 QR1.I53 1974
Mycotoxicological approach to the detection of etiological agents implicating human and livestock mycotoxicoses in Japan. Saito, M; Okubo, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 337-351. Ref. 1974 (Pub. 1975)

024540 QR1.I53 1974
Role of lymphocytes in mycotic infections [of animals]. Cozad, G C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 19-26. Ref. 1974 (Pub. 1975)

024541 QR1.I53 1974
The varied effects of interferon on animal cells. Gresser, I *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 102-108. 1974 (Pub. 1975)

024542 QH585.A1I58
Influence of culture conditions on growth of FL-74 cells and feline oncornavirus cell membrane associated antigen production. Olsen, R G; Milo, G E; Schaller, J P; Mathes, L E; Heding, L; Yohn, D S *In Vitro J Tissue Cult Assoc* 12 (1): 37-43. Ref. Jan 1976

024543 SF1.I4
A note on the biological aspects of Schistosoma incognitum Chandler, 1926 [Parasitising livestock]. Rai, D N *Indian J Anim Health* 14 (1): 89-90. June 1975

024544 SF1.I4
Antigenicity of Staphylococcus aureus in rabbits. Bhargava, D N; Mehrotra, P N *Indian J Anim Health* 14 (1): 31-33. June 1975

024545 SF1.I4
Bacteriological status of respiratory tract of normal fowl. Asnani, P J; Pathak, P N *Indian J Anim Health* 14 (1): 25-29. Ref. June 1975

024546 SF1.I4
Brucellosis among horses in India. A serological study. Sen, G P; Joshi, T P; Singh, G *Indian J Anim Health* 14 (1): 7-9. June 1975

024547 SF1.I4
Caprine pneumonia caused by Corynebacterium ovis [Goats]. Sarkar, P; Bhattacharyya, H M *Indian J Anim Health* 14 (1): 5-6. June 1975

024548 SF1.I4
Further studies of foot-and-mouth disease virus strains under type group (A) by complement fixation test in Iran [Cattle]. Bhattacharya, A K; Negi, B S *Indian J Anim Health* 14 (1): 55-62. Ref. June 1975

024549 SF1.I4
Occurrence of Trichomonas gallinarum in the blood of chicken. Shastri, U V; Sabnis, M G; Ghafoor, M A *Indian J Anim Health* 14 (1): 85-86. June 1975

024550 SF1.I4
Preliminary serological survey of brucellosis in animal and man. Chowdhury, T M; Chatterjee, A *Indian J Anim Health* 14 (1): 83-84. June 1975

024551 SF1.I4
Preliminary vaccination trials with Mathura strain of infectious bronchitis virus of poultry. Singh, V P; Malik, B S *Indian J Anim Health* 14 (1): 91-92. June 1975

024552 SF1.I4
Presence of epsilon toxin in an apparently healthy kid: a note [Clostridium perfringens, enterotoxaemia]. Harbola, P C; Sikdar, A; Das, S K; Mukhopadhyay, A K *Indian J Anim Health* 14 (1): 87. June 1975

024553 SF1.I4
Studies on brucellosis. III. Comparison of various serological tests [Man, animals]. Panjarathinam, R; Gulrajani, T S *Indian J Anim Health* 14 (1): 49-53. Ref. June 1975

024554 SF1.I4
Studies on porcine enteroviruses. I. Isolation of enterocytopathogenic agents from cases of piglet enteritis. Goel, Y P; Malik, B S *Indian J Anim Health* 14 (1): 45-48. Ref. June 1975

024555 QP501.I48
Antigenic cross reactions between immunoglobulins of some farm animals and man. Kulkarni, B A; Rao, S S; Rindani, T H *Indian J Biochem* 12 (2): 192-194. Ref. June 1975

024556 QP501.I48
Antigenic cross-reactions between immunoglobulins of some farm animals and man. Kulkarni, B A; Rao, S S; Rindani, T H *Indian J Biochem* 12 (2): 192-194. Ref. June 1975

024557 SF481.I55
Roll of starvation factor in pneumomycosis infection in birds [Poultry]. Chakraborty, S *Indian Poult Rev* 6 (11): 451-452. Jan 16, 1975

024558 41.8 IN2
A note on diagnosis and treatment of subclinical mastitis in buffaloes. Chander, S; Baxi, K K *Indian Vet J* 52 (11): 847-849. Nov 1975

024559 41.8 IN2
A note on fibroma of esophagus associated with Spirocerca lupi in a dog. Gupta, P P; Singh, B *Indian Vet J* 52 (11): 878-879. Nov 1975

024560 41.8 IN2
Anthelmintic effect of 'Trodax' (M & B) in sheep [Haemonchus contortus]. Varshney, T R; Singh, Y P *Indian Vet J* 52 (10): 793-799. Oct 1975

024561 41.8 IN2
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In vitro studies [Mycotic dermatitis, control]. Pal, S; Gupta, I *Indian Vet J* 52 (10): 769-776. Ref. Oct 1975

024562 41.8 IN2
Efficacy of Ambilhar [niridazole] (Ciba) in experimental schistosomiasis [Schistosoma] incognitum in pigs. Rai, D N; Bhatia, B B; Hajela, S K *Indian Vet J* 52 (11): 860-862. Nov 1975

024563 41.8 IN2
Incidence of tuberculosis in swine [Mycobacterium tuberculosis, Mycobacterium bovis]. Padmanaban, V D; Rai, B N *Indian Vet J* 52 (10): 755-758. Oct 1975

024564 41.8 IN2
Isolation of foot-and-mouth disease virus from recovered animals [Cattle, goats, sheep, buffaloes]. Tewari, S C; Singh, I P *Indian Vet J* 52 (11): 853-856. Nov 1975

024565 41.8 IN2
Isolation of Mycoplasma species from squirrels (Ratufa indica) [from the vicinity of poultry farms]. Katoch, R C; Chandiramani, N K *Indian Vet J* 52 (11): 850-852. Nov 1975

024566 41.8 IN2
Localised tetanus in a dog as a wound complication; diagnosis and successful treatment. Mally, K V; Madhava Rao, P *Indian Vet J* 52 (10): 807-808. Oct 1975

024567 41.8 IN2
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. Nagarajan, V; Sundaram, S; Ramani, K *Indian Vet J* 52 (10): 800-802. Oct 1975

024568 41.8 IN2
Studies on propagation and cytopathogenicity of fowl pox virus (Beaudette strain) on chicken embryo fibroblasts. Suryanarayanan, K; Venkatesan, R A; Jayaraman, M S; Masilamani, R; Thilakarajan, N; Balaprakasam, R A *Indian Vet J* 52 (10): 750-754. Ref. Oct 1975

024569 QR1.I57
Antitoxic immunity in experimental cholera: protection, and serum and local antibody responses in rabbits after enteral and parenteral immunization. Holmgren, J; Svennerholm, A M; Ouchterlony, O; Andersson, A; Wallerstrom, G; Wallerstrom, G; Westerberg-Berndtsson, U *Infect Immun* 12 (6): 1331-1340. Ref. Dec 1975

024570 QR1.I57
Comparative toxic effect of the surface lipid of Corynebacterium ovis [in sheep] on peritoneal macrophages. Hard, G C *Infect Immun* 12 (6): 1439-1449. Ref. Dec 1975

024571 QR1.I57
Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]cholera gen and [14C]bovine serum albumin in the rat jejunum. Strombeck, D R; Harrold, D *Infect Immun* 12 (6): 1450-1456. Ref. Dec 1975

024572 QR1.I57
Determination of subgroup-specific feline oncronavirus-neutralizing antibody. Schaller, J P; Olsen, R G *Infect Immun* 12 (6): 1405-1410. Ref. Dec 1975

024573 QR1.I57
Effect of anti-herpesvirus drugs on human and bovine lymphoid function in vitro. Babiuk, L A; Rouse, B T *Infect Immun* 12 (6): 1281-1289. Ref. Dec 1975

024574 QR1.I57
Evaluation of primary blood monocyte and bone marrow cell culture for the isolation of Rickettsia rickettsii [Guinea pigs, monkeys]. Buhles, W C; Huxsoll, D L; Kenyon, R H; Elisberg, B L *Infect Immun* 12 (6): 1457-1463. Ref. Dec 1975

024575 QR1.I57
In vitro radiolabeling procedure which labels the proteins of Newcastle disease virions with carbon-14 [Chick embryos]. McMillen, J; Consigli, R A *Infect Immun* 12 (6): 1411-1414. Ref. Dec 1975

024576 QR1.I57
Thymus dependence of tapeworm (Hymenolepis diminuta) elimination from mice. Isaak, D D; Jacobson, R H; Reed, N D *Infect Immun* 12 (6): 1478-1479. Dec 1975

024577 41.8 IR4
Enterotoxaemia Escherichia coli infection in swine: herd resistance as related to environment. Sweeney, E J; O'Connor, P J; Weavers, E D *Ir Vet J* 29 (8): 127-130. Ref. Aug 1975

024578 442.9 AK124
Concerning the fauna and occurrence of coccidia [of Eimeriaspp.] in sheep in Turkmenistan. (Rus) Glebezdin, V S *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 58-62. Ref. Eng. Sum. 1975

024579 442.9 AK124
On helminth fauna of horses in Turkmenistan. (Rus) Faizyev, M *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 87-89. Eng. Sum. 1975

024580 41.8 AM3
Bacillus piliformis infection (Tyzzer's disease) in two foals. Harrington, D D *J Am Vet Med Assoc* 168 (1): 68-60. Jan 1, 1976

024581 41.8 AM3
Brucella infections in Illinois veterinarians [Brucellosis]. Schnurrenberger, P R; Walker, J F; Martin, R J *J Am Vet Med Assoc* 167 (12): 1084-1088. Ref. Dec 15, 1975

024582 41.8 AM3
Control of parasitic gastroenteritis in goats [Coccidiosis, gastrointestinal nematodosis]. Baker, N F *J Am Vet Med Assoc* 167 (12): 1069-1075. Ref. Dec 15, 1975

024583 41.8 AM3
Effect of antiparasitic medication in ponies on pasture. Frerichs, W M; Holbrook, A A; Allen, P C *J Am Vet Med Assoc* 168 (1): 53-55. Ref. Jan 1, 1976

024584 41.8 AM3
Effect of five daily intravenous treatments with oxytetracycline hydrochloride on the carrier status of bovine anaplasmosis [Anaplasma marginale, cattle]. Magonigle, R A; Renshaw, H W; Vaughn, H W; Stauber, E H; Frank, F W *J Am Vet Med Assoc* 167 (12): 1080-1083. Ref. Dec 15, 1975

024585 41.8 AM3
Isolation of Actinobacillus lignieresi from an epidural abscess in a horse with progressive paralysis. Chladek, D W; Ruth, G R *J Am Vet Med Assoc* 168 (1): 64-66. Jan 1, 1976

024586 41.8 AM3
Salmonellosis in a human infant, a cat, and two parakeets in the same household [Salmonella typhimurium copenhagen]. Madewell, B R; McChesney, A E *J Am Vet Med Assoc* 167 (12): 1089-1090. Ref. Dec 15, 1975

024587 41.8 AM3
Transmission of equine infectious anemia virus by Tabanus fuscicostatus. Hawkins, J A; Adams, W V Jr; Wilson, B H; Issel, C J; Roth, E E *J Am Vet Med Assoc* 168 (1): 63-64. Jan 1, 1976

024588 381 J824
Antigenic determinants of bovine myelin encephalitogenic protein recognized by rabbit antibody to myelin encephalitogenic protein. Whitaker, J N; Jen Chou, C H; Chou, F C H; Kibler, R F *J Biol Chem* 250 (23): 9106-9111. Ref. Dec 10, 1975

024589 QR46.J6
Isolation and identification of Mycoplasma agalactiae subsp. Bovis from arthritic cattle in Iowa and Nebraska. Stalheim, O H V; Stone, S S *J Clin Microbiol* 2 (3): 169-172. Ref. Sept 1975

024590 QR46.J6
Laboratory studies of Venezuelan equine encephalitis virus in equines, Texas, 1971. Calisher, C H; Maness, K S C *J Clin Microbiol* 2 (3): 198-205. Ref. Sept 1975

024591 QR46.J6
Naturally occurring and experimentally induced mycoplasmal arthritis of cattle. Stalheim, O H V; Page, L A *J Clin Microbiol* 2 (3): 165-168. Ref. Sept 1975

024592 QR46.J6
Plaque assay of rabies virus on porcine kidney cell monolayers. Strating, A; Mitzel, J R; Slater, E A *J Clin Microbiol* 2 (2): 126-128. Aug 1975

024593 QR46.J6
Responses of isolator-derived Japanese quail and quail cellcultures to selected animal viruses. Farrow, W M; Schmitt, M W; Groupe, V *J Clin Microbiol* 2 (5): 419-424. Ref. Nov 1975

024594 QR46.J6
Sero-epidemiological study on equine influenza in Japan. Goto, H; Shimizu, K; Abe, T; Kanamitsu, M *J Clin Microbiol* 2 (2): 89-93. Ref. Aug 1975

024595 QR46.J6
Use of immunoglobulin coupled to agarose beads for examining the specificity of conjugates [Rabbits]. Scales, R W; Jacobs, N F Jr; Skaggs, R *J Clin Microbiol* 2 (4): 292-295. Ref. Oct 1975

024596 44.8 J822
Effect of drying off [cattle] practices on mastitis infection. Natzke, R P; Everett, R W; Bray, D R *J Dairy Sci* 58 (12): 1828-1835. Ref. Dec 1975

024597 44.8 J822
Sodium cloxacillin for treatment of mastitis in lactating cows. Davis, W T; Maplesden, D C; Natzke, R P; Philpot, W N *J Dairy Sci* 58 (12): 1822-1827. Ref. Dec 1975

024598 41.9 AN4D
Mycotic diseases [Aspergillus fumigatus] occurring in domestic animals in Ankara. (Tur) Erturk, E; Alibasoglu, M *J Fac Vet Med* 21 (3/4): 224-242. Ref. Eng. Sum. 1974 (Pub. 1975)

024599 41.9 AN4D
Strobilocercus fasciolaris infection in the liver of albino mice (Swiss mice) used as experimental animal. (Tur) Erturk, E; Oguz, T *J Fac Vet Med* 21 (3/4): 355-362. Ref. Eng. Sum. 1974 (Pub. 1975)

024600 QR360.A1J6
A comparative study of the surface projections of different strains of vesicular stomatitis virus. Bussereau, F; Cartwright, B; Doel, T R; Brown, F *J Gen Virol* 29 (2): 189-198. Ref. Nov 1975

024601 QR360.A1J6
A high density component in several vertebrate enteroviruses [Swine vesicular disease virus]. Rowlands, D J; Shirley, M W; Sangar, D V; Brown, F *J Gen Virol* 29 (2): 223-234. Ref. Nov 1975

024602 QR360.A1J6
Effect of isoleucine deprivation on rabbitpox virus DNA synthesis in mouse L cells. Murphy, M; Ley, K D *J Gen Virol* 29 (2): 243-248. Ref. Nov 1975

024603 449.8 J82
Characteristics of a Kenyan camelpox virus. Davies, F G; Mungai, J N; Shaw, T *J Hyg* 75 (3): 381-385. Ref. Dec 1975

024604 449.8 J82
Clostridium botulinum in the lakes and waterways of London [Botulism in waterfowl]. Smith, G R; Moryson, C J *J Hyg* 75 (3): 371-379. Ref. Dec 1975

024605 449.8 J82
In vivo transfer of R factors between Escherichia coli strains inoculated into the rumen of sheep. Smith, M G *J Hyg* 75 (3): 363-370. Ref. Dec 1975

024606 449.8 J82
Variation among strains of type A foot-and-mouth disease virus in the Eastern Mediterranean region 1964-1972. Arrowsmith, A E M *J Hyg* 74 (3): 387-397. Maps. Ref. Dec 1975

024607 410 J823
Movement of feral pigs in North Canterbury, New Zealand [vectors of contagious disease, cattle, sheep]. Martin, J T *J Mammal* 56 (4): 914-915. Nov 1975

024608 448.8 J824
Capillaria tridens (Dujardin 1845) Travassos 1915, from wild turkeys (Meleagris gallopavo) in the southeastern United States. Davidson, W R; Kellogg, F E; Doster, G L *J Parasitol* 61 (6): 1115. Dec 1975

024609 448.8 J824
Delayed hypersensitivity responses of swine to Ascaris suuminfection. Richharia, V S; Jeska, E L; Greve, J H *J Parasitol* 61 (6): 1113-1115. Dec 1975

024610 448.8 J824
Occurrence of the eyeworm, Thelazia lacrymalis, in horses in Kentucky. Lyons, E T; Drudge, J H *J Parasitol* 61 (6): 1122-1124. Dec 1975

024611 448.8 J824
Two eyeworms, Thelazia gulosa and Thelazia skrjabini, in cattle in Kentucky. Lyons, E T; Drudge, J H *J Parasitol* 61 (6): 1119-1122. Dec 1975

024612 447.8 J82
Lipid A fever in cats [Produced by the endotoxin of Shigella dysenteriae]. Key, P K; Feldberg, W; Gupta, K P; Wendlandt, S *J Physiol* 253 (1): 103-119. Ref. Dec 1975

024613 439.8 J82
Fine structure of Encephalitozoon cuniculi from rabbits, mice and hamsters. Pakes, S P; Shadduck, J A; Cali, A *J Protozool* 22 (4): 481-488. Ref. Nov 1975

024614 41.8 SO8
Clinical aspects of passive immunity in foals. Jeffcott, L B *J S Afr Vet Assoc* 46 (1): 57. Mar 1975

024615 41.8 SO8
Mesenteric thrombosis [Horses, Strongylus vulgaris]. Rous, R C *J S Afr Vet Assoc* 46 (1): 79-80. Mar 1975

024616 41.8 SO8
Pathological infection of Thoroughbred horses with Gastrodiscus aegyptiacus. Azzie, M A J *J S Afr Vet Assoc* 46 (1): 77-78. Mar 1975

024617 41.8 SO8
The pathogenesis and control of strongyle [Strongylus vulgaris] infection in the horse. Duncan, J L; Dargie, J D *J S Afr Vet Assoc* 46 (1): 81-85. Ref. Mar 1975

024618 41.8 J8292
Studies from the Birmingham Dogs Home. 1. The problem of resettling stray and unwanted animals. 2. The effect of distemper vaccination upon disease incidence. Griffiths, B C R *J Small Anim Pract* 16 (11): 715-721. Ref. Nov 1975

024619 41.8 J8292
The logical use of anitbiotics [Veterinary medicine]. Hamilton-Miller, J M T *J Small Anim Pract* 16 (10): 679-687. Oct 1975

024620 436.8 J27
Development of Angiostrongylus cantonensis in rats, mice and guinea pigs. (Jpn) Yamashita, T; Sato, Y; Shiraki, T; Otsuru, M; Suzuki, T *Jap J Parasitol* 24 (3): 114-121. Eng. Sum. June 1975

024621 436.8 J27
Effect of mode of infection on manifestation of symptom and oocyst production in chicken coccidiosis. II. Mixed infection with Eimeria acervulina and Eimeria tenella. (Jpn) Oikawa, H; Kawaguchi, H *Jap J Parasitol* 24 (3): 99-106. Ref. Eng. Sum. June 1975

024622 436.8 J27
Experimental studies on "larva migrans". I. Transition of blood picture in mice infected with Toxocara canis larvae. (Jpn) Kondo, K; Kurimoto, H; Oda, K; Shimada, Y; Takano, N; Fujisawa, K; Otaka, K *Jap J Parasitol* 24 (3): 137-143. Ref. Eng. Sum. June 1975

024623 436.8 J27
Mixed infection with Paragonimus miyazakii and other species in an experimental host [Dogs, cats, rats]. (Jpn) Hatsushika, R; Maejima, J; Kamo, H *Jap J Parasitol* 24 (3): 129-136. Ref. Eng. Sum. June 1975

024624 436.8 J27
Occurrence of Alaria alata (Diplostomidae: Digenea) from the red fox in Hokkaido, Japan. (Jpn) Machida, M; Kitamura, Y; Kamiya, H *Jap J Parasitol* 24 (3): 144-147. Eng. Sum. June 1975

024625 41.8 J27
An in vitro study on lymphocyte-mediated immunity in mice experimentally infected with Toxoplasma gondii. Shirahata, T; Shimizu, K; Suzuki, N *Jap J Vet Sci* 37 (3): 235-243. Ref. June 1975

024626 41.8 J27
Cerebral infarction caused by Dirofilaria immitis in three dogs. (Jpn) Kotani, T; Tomimura, T; Ogura, M; Yoshida, H; Mochizuki, H; Koreeda, T *Jap J Vet Sci* 37 (4): 379-390. Plates. Ref. Eng. Sum. Aug 1975

024627 41.8 J27
Disinfectant effects of several chemicals against Toxoplasma oocysts [Cats, chickens]. Ito, S; Tsunoda, K; Shimada, K; Taki, T; Matsui, T *Jap J Vet Sci* 37 (3): 229-234. June 1975

024628 41.8 J27
Equine ringworm by Trichophyton verrucosum [of a horse transmitted from cattle]. Ichijo, S; Konishi, T; Takatori, K *Jap J Vet Sci* 37 (4): 407-411. Ref. Aug 1975

024629 41.8 J27
Experimental fascioliasis in monkeys. I. Parasitological, clinical and pathological observations on monkeys infected with the "Japanese species" of Fasciola. Tomimura, T; Kotani, T; Takemoto, Y; Yokota, M; Yamagami, S; Yoshida, H *Jap J Vet Sci* 37 (4): 391-406. Plates. Aug 1975

024630 41.8 J27
Feline viral rhinotracheitis in Japan—isolation of herpes type virus and pathologic picture [Cats]. (Jpn) Doi, K; Kojima, A; Inami, Y; Yasoshima, A; Okawa, H *Jap J Vet Sci* 37 (3): 281-292. Ref. Eng. Sum. June 1975

024631 41.8 J27
Field surveys on coccidial [Eimeria] infection in broilers in Japan—results obtained in autumn and winter and summarized in 1973. Oikawa, H; Kawaguchi, H; Nakamoto, K; Tsunoda, K *Jap J Vet Sci* 37 (3): 271-279. Map. Ref. June 1975

024632 41.8 J27
Latent infection of Toxoplasma in swine. Katsube, Y; Hagiwara, T; Imaizumi, K; Masuda, K *Jap J Vet Sci* 37 (3): 245-252. Ref. June 1975

024633 41.8 J27
Survey of drug resistance of chicken coccidia [Eimeria] collected from Japanese broiler farms in 1973. Oikawa, H; Kawaguchi, H; Nakamoto, K; Tsunoda, K *Jap J Vet Sci* 37 (4): 357-362. Ref. Aug 1975

024634 41.8 J27
The effect of overlay medium on plaque formation of tissue culture-attenuated Newcastle disease (TCND) vaccine virus [Chicken embryos]. Yachida, S; Sugimori, G; Iritani, Y *Jap J Vet Sci* 37 (3): 313-315. June 1975

024635 QL55.A1L3
An epizootic outbreak of ringworm in a guinea-pig colony caused by Trichophyton mentagrophytes [Fungi]. Pombier, E C; Kim, J C S *Lab Anim* 9 (3): 215-221. July 1975

024636 QL55.A1L3
An eye infection in laboratory mice associated with Pasteurella pneumotropica. Needham, J R; Cooper, J E *Lab Anim* 9 (3): 197-200. July 1975

024637 QL55.A1L3
Control of Paraspidodera uncinata in guinea-pigs with levamisole. Eliazian, M; Shahlapour, A; Tamiji, Y *Lab Anim* 9 (4): 381-382. Oct 1975

024638 QL55.A1L3
Serodiagnosis of nosematosis by immunofluorescence using cell-culture-grown organisms [Nosema cuniculi]. Cox, J C; Pye, D *Lab Anim* 9 (4): 297-304. Ref. Oct 1975

024639 49 B462
Inhibited development of Cooperia punctata and Cooperia pectinata larvae in Zebu cattle of Niger. (Fre) Graber, M; Tager-Kagan, P *L'elevage* (New Ser.) 28 (2): 137-142. Ref. Eng. Sum. 1975

024640 49 B462
Observations on bovine infectious keratoconjunctivitis in the Ivory Coast. I. Microbiological aspects. (Fre) Nicolet, J; Buttiker, W *L'elevage* (New Ser.) 28 (2): 115-124. Ref. Eng. Sum. 1975

024641 49 B462
Observations on cattle infectious keratoconjunctivitis in Ivory Coast. II. Study of the ophthalmotropic lepidoptera as vector. (Fre) Nicolet, J; Buttiker, W *L'elevage* (New Ser.) 28 (2): 125-132. Ref. Eng. Sum. 1975

024642 49 B462
Report on infectious bovine rhinotracheitis in Ethiopia. Preliminary serological survey. (Fre) Lefevre, P C *L'elevage* (New Ser.) 28 (2): 103-104. Ref. Eng. Sum. 1975

024643 49 B462
The experimental cyclical transmission of certain African pathogenic trypanosomes. (Fre) Maillot, L *L'elevage* (New Ser.) 28 (2): 143-152. Ref. Eng. Sum. 1975

024644 49 B462
Trials to induce an acquired immunity against infestation by Fasciola gigantica [Cattle]. (Fre) Blancou, J M; Bouchet, A; Daynes, P *L'elevage* (New Ser.) 28 (2): 133-136. Eng. Sum. 1975

024645 20 M57
A new form of vesicular diseases of swine and preventive measures against them [Enteroviruses]. (Rus) Bakulov, I; Makarov, V *Mezhdunar S-kh Zh* 6: 87-90. Ref. 1975

024646 20 M57
Measures for controlling virus diseases of cattle in large herds [in Hungary]. (Rus) Meszaros, J *Mezhdunar S-kh Zh* 6: 77-81. 1975

024647 41.8 N812
Panel report: internal parasites in cats. *Mod Vet Pract* 56 (12): 861, 863. Dec 1975

024648 41.8 M742
Bovine salmonellosis: Incidence, economic implications, epizootiology. (Ger) Schulz, W; Kiupel, H; Gunther, H *Monatsh Veterinarmed* 30 (14): 530-534. Ref. Eng. Sum. July 15, 1975

024649 RC117.M9
Inoculation of Basidiomycetes into mice: tissue reaction and survival of fungi in tissues. Salfelder, K; Roman, A R de; Mendelovici, M de; Silberborg, S B *Mykosen (Berlin)* 18 (10): 417-424. Oct 1975

024650 RC117.M9
Mycotic mastitis produced experimentally in goats. Jand, S K; Dhillon, S S *Mykosen (Berlin)* 18 (8): 363-366. Aug 1975

024651 RC117.M9
The immune response to polysaccharides from yeast-like fungi in sensitized experimental animals. Elinov, N P; Kashkina, M A; Kashkin, A P; Iljina, V P *Mykosen (Berlin)* 18 (10): 407-415. Ref. Oct 1975

S542.A1N45
Chemical control of fleece wool and sheep dip micro-organisms. Falloon, R E; Mulcock, A P *N Z J Exp Agric* 3 (3): 275-280. Ref. Sept 1975

024652 S542.A1N45
Effect of anthelmintic and selenium drenching on live-weight gain in young beef cattle. McLeod, C C; Schwarz, G; Wolff, J E *N Z J Exp Agric* 3 (3): 213-217. Map. Sept 1975

024653 41.9 T575Q
Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy [Cattle, liver fluke, transmission, snails]. Ueno, H; Yoshihara, S; Sonobe, O; Morioka, A *Natl Inst Anim Health Q (Tokyo)* 15 (3): 131-138. Fall 1975

024654 41.9 T575Q
Destructive effect of heating against Toxoplasma oocysts. Ito, S; Tsunoda, K; Taki, T; Nishikawa, H; Matsui, T *Natl Inst Anim Health Q (Tokyo)* 15 (3): 128-130. Fall 1975

024655 41.9 T575Q
Distribution of Corynebacterium renale among healthy bulls with special reference to inhabitation of type III in the prepuce. Hiramune, T; Narita, M; Tomonari, I; Murase, N; Yanagawa, R *Natl Inst Anim Health Q (Tokyo)* 15 (3): 116-121. Fall 1975

024656 41.9 T575Q
Pathogenicity for several laboratory animals of Toxoplasma oocysts originated from naturally infected cats. Ito, S; Tsunoda, K; Nishikawa, H; Matsui, T *Natl Inst Anim Health Q (Tokyo)* 15 (3): 122-127. Fall 1975

024657 41.9 T575Q
Rolling round bottle culture of HmLu-1 cells and the production of bovine ephemeral fever virus. Sato, K; Inaba, Y; Kurogi, H; Omori, T; Yamashiro, T *Natl Inst Anim Health Q (Tokyo)* 15 (3): 109-115. Ref. Fall 1975

024658 472 N21
Characterisation of a [calf] rotavirus. Newman, J F E; Brown, F; Bridger, J C; Woode, G N *Nature* 258 (5536): 631-633. Ref. Dec 18, 1975

024659 472 N21
Correlation of polypeptide composition with antigenic variation in the swine vesicular disease and coxsackie B5 viruses. Harris, T J R; Brown, F *Nature* 258 (5537): 758-760. Ref. Dec 25, 1975

024660 472 N21
Persistence of tetracycline resistance in pig Escherichia coli. Smith, H W *Nature* 258 (5536): 628-630. Dec 18, 1975

024661 448.8 P21
Eimeria falciformis (Eimer, 1870) in specific pathogen freeand gnotobiotic mice [Laboratory animals]. Owen, D *Parasitology* 71 (2): 293-303. Ref. Oct 1975

024662 448.8 P21
Field studies on inhibition of Haemonchus contortus in sheep. Waller, P J; Thomas, R J *Parasitology* 71 (2): 285-291. Ref. Oct 1975

024663 448.8 P21
Inhibited development in Haemonchus contortus [Lambs]. Connan, R M *Parasitology* 71 (2): 239-246. Ref. Oct 1975

024664 448.8 P21
Scanning electron microscopy of the duodenal mucosa of chickens infected with Eimeria acervulina. Michael, E; Hodges, R D *Parasitology* 71 (2): 229-237. Ref. Oct 1975

024665 448.8 P21
The influence of Nematospiroides dubius on subsequent Nippostrongylus brasiliensis infections in mice. Jenkens, D C *Parasitology* 71 (2): 349-355. Oct 1975

024666 46.8 P623
Aujeszky's disease, future threat to pig industry? *Pig Farming* 23 (11): 83. Nov 1975

024667 46.8 P623
Dealing with anthrax [Livestock, infectious diseases]. Gibbs, R *Pig Farming* 23 (11): 114. Nov 1975

024668 46.8 P623
Mastitis in sows [Escherichia coli, Klebsiella, swine]. Jones, J E T *Pig Farming* 24 (1): 52, 54. Jan 1976

024669 436.9 H36
Helminths of domestic equids. Lichtenfels, J R; Ewing, R B *Proc Helminthol Soc Wash* 42 (Special Issue), 92 P. Dec 1975

024670 500 N21P
Immunosurgery of mouse blastocyst. Solter, D; Knowles, B B *Proc Natl Acad Sci U S A* 72 (12): 5099-5102. Ref. Dec 1975

024671 500 N21P
In vitro synthesis of full-length DNA transcripts of Rous sarcoma virus RNA by viral DNA polymerase. Junghans, R P; Duesberg, P H; Knight, C A *Proc Natl Acad Sci U S A* 72 (12): 4895-4899. Ref. Dec 1975

024672 S293.C6N31
Gumboro disease in Thailand [Poultry, infectious disease]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 613-619. Ref. 1974

024673 S293.C6N31
Hog cholera in the northeastern part of Thailand. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 560-568. Eng. Sum. 1974

024674 S293.C6N31
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth disease viral antigens.). Sakaki, K; Hasegawa, M; Chankarkeo, T; Kongthon, S J; Suphavilai, P *Proc Natl Conf Agric Biol Sci* 13: 653-654. 1974

024675 S293.C6N31
Japanese encephalitis virus in pregnant swine. Rozmiarek, H; Johnsen, D O; Nickerson, A B; Romsdhit, J; Tingpalapong, M; Satayaphantha, C; Top, F H Jr *Proc Natl Conf Agric Biol Sci* 13: 575-578. 1974

024676 S293.C6N31
Observation and investigation of parasitic gastroenteritis (PGE) in cattle in the northeast [Thailand]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 554-559. 1974

024677 S293.C6N31
Serological variation of foot and mouth disease A-type fromSong Khla. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 648-652. Eng. Sum. 1974

024678 S293.C6N31
Study on Marek's disease in laying chickens. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 602-612. Ref. 1974

024679 S293.C6N31
Systemic fungal infections in pets. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 620-629. Ref. 1974

024680 S293.C6N31
The use of gamma radiation for killing the Trichina larvae in nham and pork. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 595-601. 1974

024681 41.8 R24
Brucellosis [Vaccines, cattle, sheep]. (Fre) Toma, B; Besnault, P *Recl Med Vet* 151 (10): 585-586. Map. Oct 1975

024682 41.8 R24
Immunization against Aujeszky's disease with an inactivatedvirus in oil excipient [Rabbits, swine]. (Fre) Delagneau, J F; Toma, B; Vannier, P; Loquerie, R; Prunet, P; Tillon, J P *Recl Med Vet* 151 (10): 567-575. Ref. Eng. Sum. Oct 1975

024683 41.8 R24
Isolation in France and characterization of a porcine corona-like virus (vomiting and wasting disease) [Piglets]. (Fre) Chappuis, G; Tektoff, J; Le Turdu, T *Recl Med Vet* 151 (10): 557-566. Ref. Eng. Sum. Oct 1975

024684 41.8 R24
Viral etiology of mammary tumours. (Fre) Wyers, M *Recl Med Vet* 151 (10): 577-584. Ref. Eng. Sum. Oct 1975

024685 SF713.K8A3
Antibody survey of infectious bovine rhinotracheitis (IBR) virus in Korean native cattle. (Kor) Joo, H S; Ha, M S; Kang, B J; Hur, W; Kwon, H J *Res Rep Off Rural Dev* 17: 57-60. Ref. Eng. Sum. Aug 1975

024686 SF713.K8A3
Distribution of the hemagglutination inhibition antibodies against porcine parvovirus among swine. (Kor) Kim, Y H; An, S H; Kim, D H *Res Rep Off Rural Dev* 17: 51-56. Ref. Eng. Sum. Aug 1975

024687 SF713.K8A3
Isolation and characterization of Aspergillus fumigatus [Chicks]. (Kor) Oh, K R; Kim, S J; Bahk, K S *Res Rep Off Rural Dev* 17: 29-34. Ref. Eng. Sum. Aug 1975

024688 SF713.K8A3
Isolation of Newcastle disease virus from the peacock. (Kor) Kim, S J; Bark, K S; Yoo, I W *Res Rep Off Rural Dev* 17: 23-27. Ref. Eng. Sum. Aug 1975

024689 SF713.K8A3
Outbreak of avian encephalomyelitis in chicks raised in [South] Korea. (Kor) Choi, C O; Kim, S J; Bahk, K S; Oh, K R *Res Rep Off Rural Dev* 17: 15-21. Ref. Eng. Sum. Aug 1975

024690 SF713.K8A3
Stability of infectious bovine rhinotracheitis virus and it's immunity in Korean native calves. (Kor) Kang, B J; Hur, W; Ha, M S; Lim, Y M; Kwon, H J *Res Rep Off Rural Dev* 17: 9-13. Ref. Eng. Sum. Aug 1975

024691 SF713.K8A3
Studies on establishment of SPF [specific pathogen free] chicken flocks and SPF egg production. (Kor) Park, K S; Kim, S J; Choi, C O; Oh, K R; Sin, D G *Res Rep Off Rural Dev* 17: 71-85. Ref. Eng. Sum. Aug 1975

024692 SF713.K8A3
Studies on Japanese encephalitis live vaccine. II. Development of an attenuated strain of virus (Anyang strain) [isolated from new-born piglet]. (Kor) Kwon, H J; Kang, B J; Lim, Y M; Lee, C K *Res Rep Off Rural Dev* 17: 95-100. Eng. Sum. Aug 1975

024693 SF713.K8A3
Studies on preventive immunization against bovine babesiosis. (Kor) Jeon, Y; Kim, D S; Jeong, S J *Res Rep Off Rural Dev* 17: 45-49. Ref. Eng. Sum. Aug 1975

024694 SF713.K8A3
Studies on Salmonella in domestic animals. I. Salmonella cultures isolated from dogs slaughtered in Gang-Weon Province. (Kor) Yoon, Y D; Park, J M *Res Rep Off Rural Dev* 17: 1-7. Ref. Eng. Sum. Aug 1975

024695 SF713.K8A3
Studies on serological diagnosis of Korean cattle Babesia strain by the indirect fluorescent antibody test [Babesiosis]. (Kor) Jeon, Y; Lee, T J *Res Rep Off Rural Dev* 17: 35-43. Ref. Eng. Sum. Aug 1975

024696 SF713.K8A3
Studies on the improvement of bovine tuberculin. 1. Sensitivity and specificity of PPD's prepared from low-heated culture filtrate and cytoplasm of Mycobacterium bovis. (Kor) Choi, C S; Kim, J H; Lee, H S; Jeon, Y S *Res Rep Off Rural Dev* 17: 101-108. Ref. Eng. Sum. Aug 1975

024697 13 R322
Swine-fever in 1974. (Fre) Bruycker, M de *Rev Agric (Brux)* 28 (4): 777-794. July/Aug 1975

024698 46.9 AS5
Swine diseases: behavior of kanamycin in the swine clinic [Antibiotics]. (Spa) Adrian Soulages, C *Rev Asoc Argent Criad Cerdos* 54 (629/630): 23-25. Jan/Feb 1975

024699 43.8 R32
Disinfection, an efficient solution to avoid disease and contaminations on [livestock] farms. (Por) Chachamovitz, N *Rev Criad* 45 (540): 56-57. Jan 1975

024700 449.9 M572
Characteristics and epidemiological scope of various rabies strains and serologically related viruses. (Spa) Salido Rengell, F; Heitor de Sousa, L M *Rev Invest Salud Publica* 35 (1): 77-84. Eng. Sum. Jan/Mar 1975

024701 449.9 M572
Ovogenesis and fertilization of Ascaris lumbricoides [suum]: electron microscope study. (Spa) Tay, J; Garcia, Y; Rivero G, A *Rev Invest Salud Publica* 35 (1): 47-65. Ref. Eng. Sum. Jan/Mar 1975

024702 41.8 R32
Attempts at treatment of metritis in the mare by chloramine T solution. 2. Streptococcal metritis. (Fre) Berthelon, M; Rampin, D *Rev Med Vet (Toulouse)* 126 (10): 1265-1287. Eng. Sum. Oct 1975

024703 41.8 R32
Growth of ovis variety Chlamydia psittaci in cellular cultures and practical applications [Sheep]. (Fre) Saint-Aubert, G de; Mougeot, H *Rev Med Vet (Toulouse)* 126 (10): 1323-1331. Ref. Eng. Sum. Oct 1975

024704 41.8 R32
Immunological signs in [livestock] helminthiasis. 2. Hypersensibility reactions, consequences and applications of immunological signs. (Fre) Dorchies, P *Rev Med Vet (Toulouse)* 126 (10): 1237-1248. Eng. Sum. Oct 1975

024705 41.8 R3224
Evaluation of pyrantel pamoate [anthelmintic] against strongyles in horses. Slocombe, J O D; Smart, J *Rev Vet Can* 16 (10): 310-312. Ref. Oct 1975

024706 41.8 R3224
Isolation of IBR [infectious bovine rhinotracheitis] virus from a heifer with meningoencephalitis. Gough, A; James, D *Rev Vet Can* 16 (10): 313-314. Oct 1975

024707 41.8 R3224
Serological inquiry in the province of Quebec on leptospirosis in dairy cattle. (Fre) Higgins, R; Cayouette, P; Cousineau, J G *Rev Vet Can* 16 (10): 304-307. Eng. Sum. Oct 1975

024708 SF1.R54
Swine physiopathology: Prophylaxis and treatment of piglet diseases. (Ita) Ballarini, G *Rilancio Agric Vet Zootec* 6 (5/6): 37-38. (Continued) 1974

024709 SF1.R54
Swine physiopathology: Fetal and newborn immunity. 2. (Ita) Ballarini, G *Rilancio Agric Vet Zootec* 6 (2/3): 23-25. 1974

024710 SF1.R54
Swine physiopathology: Prophylaxis and treatment of [infectious] piglet diseases. 2. [Vaccination]. (Ita) Ballarini, G *Rilancio Agric Vet Zootec* 6 (7): 34-36. 1974

024711 SF1.R55
Aminosidine used as a prophylactic in enteritis of rabbits. (Ita) Tocchini, M; Tardani, A *Riv Zootec Vet* 4: 349-359. Ref. Eng. Sum. July/Aug 1975

024712 SF1.R55
Bacterial flora of the nasal mucosa of the horse. II. Gram-positive bacteria. (Ita) Cabassi, E; Brindani, F; Cattabiani, F; Allodi, C *Riv Zootec Vet* 4: 305-312. Ref. Eng. Sum. July/Aug 1975

024713 41.8 SCH9
Another case of paratuberculosis in sheep. (Ger) Tontis, A *Schweiz Arch Tierheilkd* 117 (11): 631-632. Eng. Sum. Nov 1975

024714 41.8 SCH9
Aujeszky's disease in the dog and cat in Switzerland. (Ger) Fankhauser, R; Fatzer, R; Steek, F; Zendali, J P *Schweiz Arch Tierheilkd* 117 (11): 623-629. Ref. Eng. Sum. Nov 1975

024715 41.8 SCH9
Meningitis and granulomatous chorio-ependymitis in cats. (Ger) Fatzer, R *Schweiz Arch Tierheilkd* 117 (11): 633-640. Eng. Sum. Nov 1975

024716 41.8 SCH9
Vomiting and wasting disease in piglets in Switzerland. (Ger) Steck, F; Scharen, B; Fatzer, R; Vandevelde, M; Scholl, E; Hani, H *Schweiz Arch Tierheilkd* 117 (11): 617-622. Ref. Eng. Sum. Nov 1975

024717 470 SCI2
Infectious [Scrapie] etiology of neuritic (senile) plaques in mice. Wisniewski, H M; Bruce, M E; Fraser, H *Science* 190 (4219): 1108-110. Ref. Dec 12, 1975

024718 41.8 SO82
A report of two cases of coccidioidomycosis in two dogs treated wtih amphotericin B [Coccidioides immitis, Fungi]. Crenshaw, W E; Morris, E L *Southwest Vet* 28 (3): 205-208. 1975

024719 41.8 SO82
A scanning electron microscope study of Eperythrozoon wenyoni [on erythrocytes of a calf]. Craig, T M *Southwest Vet* 28 (3): 243-245: 1975

024720 41.8 SO82
Animal health considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, Anaplasma, and Boophilus ticks]. Day, W C; Kuttler, K L *Southwest Vet* 28 (3): 229-232. 1975

024721 41.8 SO82
Equine infectious anemia—current research findings. McConnell, S *Southwest Vet* 28 (3): 183-192. Ref. 1975

024722 41.8 SO82
Geographical and herd distribution of equine infectious anemia in Texas (1974). Eugster, A K; Miller, G J; Angulo, A B *Southwest Vet* 28 (3): 193-196. 1975

024723 41.8 SO82
Heartworm [Dirofilaria immitis] disease with pulmonary hypertension [Dogs]. Gross, D R; Williams, G D; Hobson, H P; Humprhries, J P *Southwest Vet* 28 (3): 233-238. 1975

024724 41.8 SO82
Undiagnosed dirofilariasis in a Great Dane [Dogs, heartworms, Dirofilaria immitis]. Johnson, S *Southwest Vet* 28 (3): 263-265. 1975

024725 41.8 T445
Advice on local disinfection by injection of cattle. (Ger) Englert, H *Tierarztl Umsch* 30 (10): 518, 521-522. Oct 1, 1975

024726 41.8 T445
Experiences with immune prophylaxis of coli infections of calves. (Ger) Stritzinger, H; Schmittdiel, E; Lugmayr, D *Tierarztl Umsch* 30 (10): 475-477. Ref. Oct 1, 1975

024727 41.8 T445
Intracutaneous test for determining swine brucellosis, a contribution for slaughter animal study in original stocks. (Ger) Beck, G; Henner, S *Tierarztl Umsch* 30 (10): 472, 474. Ref. Oct 1, 1975

024728 41.8 T445
Practical experiences in the treatment of edema disease of swine. (Ger) Schwarz, G *Tierarztl Umsch* 30 (10): 508-510. Ref. Oct 1, 1975

024729 41.8 T445
Presence of sporadic cases of anthrax in swine in north Wurttemberg. (Ger) Mayer, H; Ehrhardt, K; Lorenz, D *Tierarztl Umsch* 30 (11): 543-544, 547-549. Nov 1, 1975

024730 41.8 T431
Chloramphenicol or tetracycline as antibiotics in selective media for studies on fungi [Laboratory animals]. (Dut) Schaaf, A van der *Tijdschr Diergeneeskd* 100 (21): 1160-1162. Ref. Nov 1, 1975

024731 41.8 T431
Comparative studies on the effectiveness of intrammary treatment of clinical mastitis in cattle. (Dut) Breeuwsma, A J; Dijkstra, R G; Keusters-Klasens, M; Knijff, P C; Osinga, A; Pennings, A *Tijdschr Diergeneeskd* 100 (22): 1193-1206. Eng. Sum. Nov 15, 1975

024732 41.8 T431
Concerning the toxicity of parbendazole (Helmatac 30) to horses and ponies [Anthelmintics]. (Dut) Verberne, L R M; Mirck, M H *Tijdschr Diergeneeskd* 100 (21): 1143-1153. Eng. Sum. Nov 1, 1975

024733 41.8 T431
Parasites of domestic and laboratory animals in the Netherlands. 2. [Parasitic worms, insect pests]. (Dut) Cremers, H J W M; Jansen, J; Swierstra, D *Tijdschr Diergeneeskd* 100 (22): 1209-1211. Ref. Eng. Sum. Nov 15, 1975

024734 41.8 T431
Residual group [Anthelmintics, veterinary medicine]. (Dut) Instituut voor Veterinaire Parasitologie en Parasitaire Zi; Ekten Faculteit der Diergeneeskunde De Werkgroep Wormmiddelen *Tijdschr Diergeneeskd* 100 (21): 1156-1159. Eng. Sum. Nov 1, 1975

024735 41.8 T431
Review of cestodes [Anthelmintics, domestic animals]. (Dut) Instituut voor Veterinaire Parasitologie en Parasitaire Zi; Ekten Faculteit der Diergeneeskunde De Werkgroep Wormmiddelen *Tijdschr Diergeneeskd* 100 (22): 1212-1214. Eng. Sum. Nov 15, 1975

024736 41.8 T431
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of litter infected with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? (Dut) Dijkstra, R G *Tijdschr Diergeneeskd* 100 (21): 1154-1155. Eng. Sum. Nov 1, 1975

024737 SF601.T7
A survey of brucellosis in Messeriya cows of Sudan. Ibrahim, A E; Habiballa, N *Trop Anim Health Prod* 7 (4): 245-246. Nov 1975

024738 SF601.T7
Clinical response and apparent breed resistance in bovine petechial fever. Snodgrass, D R *Trop Anim Health Prod* 7 (4): 213-218. Ref. Nov 1975

024739 SF601.T7
Observations on a herd of beef cattle maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. Wilson, A J; Le Roux, J G; Paris, J; Davidson, C R; Gray, A R *Trop Anim Health Prod* 7 (4): 187-199. Map. Ref. Nov 1975

024740 SF601.T7
Schistosomiasis in domestic ruminants in Bangladesh. Islam, K S *Trop Anim Health Prod* 7 (4): 244. Nov 1975

024741 SF601.T7
Swine dysentery associated with Treponema hyodysenteriae-like organisms in Colombia. Morales, G A; Gianella, H; Beltran, L E *Trop Anim Health Prod* 7 (4): 211-212. Nov 1975

024742 SF601.T7
The predominance of Trypanosoma vivax infections of cattle at a distance from savannah tsetse [Glossina] concentration. Leeflang, P *Trop Anim Health Prod* 7 (4): 201-204. Ref. Nov 1975

024743 SF601.T7
The trans-stadial transmission of the bovine farcy organism, Nocardia farcinica, by the ixodid Amblyomma variegatum (Fabricius, 1794). al-Janabi, B M; Branagan, D; Danskin, D *Trop Anim Health Prod* 7 (4): 205-209. Nov 1975

024744 SF601.T7
Transmissible gastroenteritis of swine in Colombia, an imported disease. Morales, G A; Aycardi, E *Trop Anim Health Prod* 7 (4): 210-211. Nov 1975

474 UM7
Better chances in controlling sleeping sickness: radiation sterilization of tsetse flies [Glossina]. (Ger) *Umschau* 75 (18): 570-573. Eng. Sum. Sept 15, 1975

024745 474 UM7
Infectious diseases of the intestinal tract: the secret of coccidiosis is further revealed [Sarcocystis fusiformis, cats, dogs]. (Ger) Mehlhorn, H; Heydorn, A O; Gestrich, R *Umschau* 75 (22): 701-702. Ref. Eng. Sum. Nov 15, 1975

024746 18 G312V
Cattle parasite control. (Ger) Horchner,; Burger, *Veroff Land- Hauswirtsch Auswertungs- Informationsdienst* 399, 16 P. 1975

024747 41.8 T752
Bovine leptospirosis. Amatredjo, A; Campbell, R S F *Vet Bull* 43 (12): 875-891. Ref. Dec 1975

024748 41.8 C87
Epidemiology, socioeconomic importance and control of rabies in Italy. (Ita) Bellani, L; Gagliardi, G; Mantovani, A; Morganti, L; Prosperi, S *Vet Ital* 26 (1/2): 23-31. Map. Jan/Feb 1975

024749 41.8 P27
The etiology of swine dysentery. III. The role of selected gram-negative obligate anaerobes. Meyer, R C; Simon, J; Byerly, C S *Vet Pathol* 12 (1): 46-54. Ref. 1975

024750 41.8 V641
A filarial parasite in greyhounds in Southern Ireland [Dogs]. Jackson, R F; Redington, B C; Seymour, W G; Otto, G F *Vet Rec* 11 (2): 476-477. Dec 13, 1975

024751 41.8 V641
An outbreak of infectious bursal disease (IBD) of chickens in Nigeria. Onunkwo, O *Vet Rec* 97 (22): 433. Nov 29, 1975

024752 41.8 V641
Exposure to Brucella abortus in veterinary undergraduates and graduates. Cayton, H R; Osborne, A D; Sylvester, D G H *Vet Rec* 97 (23): 447-449. Ref. Dec 1975

024753 41.8 V641
Immunosuppression in ovine typanosomiasis [Sheep]. MacKenzie, P K I; Boyt, W P; Emslie, V W; Lander, K P; Swanepoel, R *Vet Rec* 97 (23): 452-453. Dec 1975

024754 41.8 V641
Oxibendazole: critical anthelmintic trials in equids [Horses]. Kates, K C; Colglazier, M L; Enzie, F D *Vet Rec* 97 (23): 442-444. Dec 1975

024755 41.8 V641
Significance of serum pepsinogen and abomasal pH [hydrogenion concentration] levels in a field infection of Ostertagia circumcincta in lambs. Thomas, R J; Waller, P J *Vet Rec* 11 (2): 468-471. Ref. Dec 13, 1975

024756 41.8 V641
Transfer of IgG [immunoglobulin] from plasma to nasal secretions in newborn lambs. Wells, P W; Dawson, A M; Smith, W D; Smith, B S W *Vet Rec* 97 (23): 455. Ref. Dec 1975

024757 SF604.V46
Clinical evaluation of efficacy of Neomix (SPOFA) in the control of atrophic rhinitis in pigs. Comparison of efficacy of Neomix to that of Gallimycin (Abbott), Spectane (Abbott) and Pro-Gene (Abbott). (Cze) Skaloud, J; Plisek, K; Vyhnalek, J *Veterinaria* 17 (2): 69-91. Ref. Eng. Sum. 1975

024758 SF604.V46
Influence of treatment for natural nematode invasion in geese upon selected values of hematological and biochemical examinations. (Cze) Zajicek, D; Sova, Z; Hrdinova, A; Nemec, Z; Cibulka, J; Hybasek, J; Zahradnikova, W; Kalous, F *Veterinaria* 17 (1): 35-60. Ref. Eng. Sum. 1975

024759 41.8 V6439
Anthelmintic efficiency of Mebendazole premix on gastrointestinal and lung helminthiases of sheep. (Slo) Andrasko, H; Pacenovsky, J; Krupicer, I; Bircak, A *Veterinarstvi* 25 (9): 416-417. 1975

024760 41.8 V6439
Incidence of Clodipo-resistant coccidial strains. (Cze) Klimes, B; Svoboda, S *Veterinarstvi* 25 (9): 418-419. 1975

024761 41.8 V6439
Program of elimination of Aujeszky's disease from swine herds in Czechoslovakia. (Cze) Andrle, O *Veterinarstvi* 25 (9): 413-415. 1975

024762 448.8 V81
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the virus genome. May, J T; Robinson, A J; Eaton, B T *Virology* 68 (2): 483-489. Ref. Dec 1975

024763 448.8 V81
Equine herpesvirus-induced alterations in nuclear RNA and DNA polymerase activities. Kemp, M C; Cohen, J C; O'Callaghan, D J; Randall, C C *Virology* 68 (2): 467-482. Ref. Dec 1975

024764 448.8 V81
Focus assay and defectiveness of avian myeloblastosis virus [Chick embryos]. Moscovici, C; Gazzolo, L; Moscovici, M G *Virology* 68 (1): 173-181. Ref. Nov 1975

024765 448.8 V81
Host-range mutant of fowl plague virus (FPV): comparison of the genome and virus proteins. Israel, A; Semmel, M; Huppert, J *Virology* 68 (2): 503-509. Ref. Dec 1975

024766 448.8 V81
Polyadenylate sequences of fowl plague virus complementary RNA (cRNA) synthesized in vivo and in vitro. Ghendon, Y; Blagoveshienskaya, O *Virology* 68 (2): 330-337. Ref. Dec 1975

024767 448.8 V81
The genome of equine arteritis virus. Zeijst, B A M van der; Horzinek, M C; Moennig, V *Virology* 68 (2): 418-425. Ref. Dec 1975

024768 448.8 V81
Transcription of equine herpesvirus type 1: evidence for classes of transcripts differing in abundance. Cohen, J C; Randall, C C; O'Callaghan, D J *Virology* 68 (2): 561-565. Ref. Dec 1975

024769 20 V82
Effect of feeding on the immunobiological reactivity of the swine organism. (Ukr) Servanchuk, M M *Visn Sil's'kohospod Nauki* 7: 98-100. July 1975

024770 20 V82
Enzootic abortion in swine—the nature of the disease [Chlamydia]. (Ukr) Vortnichuk, V A; IAtsyshyn, A I; Zatulovs'kyi, B H; Popovych, H H *Visn Sil's'kohospod Nauki* 9: 96-99. Sept 1975

024771 20 V82
On the immunological reactivity of calf body at different ages. (Ukr) Maslianko, R P; Maslianko, N F *Visn Sil's'kohospod Nauki* 6: 77-79. June 1975

024772 20 V82
Pathogenicity for cattle of Dictyocaulus filaria, the pathogen of lungworm infestation in sheep. (Ukr) Taranik, K T *Visn Sil's'kohospod Nauki* 7: 101-102. July 1975

024773 20 V82
Pathomorphogical changes in lungs, intrapulmonary lymphoid tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. (Ukr) Zinchenko, A V; Kucher, O M *Visn Sil's'kohospod Nauki* 6: 82-83. June 1975

024774 20 V82
Timely problems of veterinary science. (Ukr) Hladenko, I M; Krasnykov, H A *Visn Sil's'kohospod Nauki* 7: 92-98. July 1975

024775 41.8 M69
Cambendazole paste as an anthelmintic in horses. Cook, R W *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1451-1453. Dec 1975

024776 41.8 M69
Canine pulmonary blastomycosis [Blastomyces dermatitidis]. Shatto, N L *VM SAC (Vet Med Small Anim Clin)* 71 (1): 47-51. Jan 1976

024777 41.8 M69
Cuprimyxin, a new topical antibiotic [Dogs, cats]. Snyder, W E; Imhoff, R K *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1421-1423. Dec 1975

024778 41.8 M69
Evaluation of mebendazole in paste formulation in the horse [Parasite control]. McCurdy, H D; Sharp, M L; Sweeny, W T *VM SAC (Vet Med Small Anim Clin)* 71 (1): 97-100. Ref. Jan 1976

024779 41.8 M69
Miconazole nitrate: a new antifungal agent [Veterinary medicine]. Sweeny, W T *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1438, 1440. Dec 1975

024780 41.8 M69
Response of the bovine fetus to reovirus. Conner, G H; Carter, G R *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1463-1464. Dec 1975

024781 41.8 M69
Suckling-mouse-brain rabies vaccine (SMBV): duration of immunity in dogs. Fields, M; Ament, R D; Lamb, D; Blades, J *VM SAC (Vet Med Small Anim Clin)* 71 (1): 37-40. Jan 1976

024782 41.8 M69
Suppurative mandibular osteomyelitis associated with Pasteurella multocida in a rabbit. Chaffee, V W; James, E A Jr; Montali, R J *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1411-1413. Dec 1975

024783 41.8 M69
Synergistic action of tylosin and oxytetracycline against bovine Pasteurella isolates [Cattle]. Ose, E E *VM SAC (Vet Med Small Anim Clin)* 71 (1): 92, 94-95. Jan 1976

024784 41.8 M69
Ultrastructural studies of bovine paratuberculosis (Johne'sdisease) [Mycobacterium paratuberculosis]. Kim, J C S; Sanger, V L; Whitenack, D L *VM SAC (Vet Med Small Anim Clin)* 71 (1): 78-83. Jan 1976

024785 281.8 W892
Controlling bovine trypanosomiasis. The disease spread by tsetse [Glossina]. Hagan, D H; Wilmshurst, E C *World Crops* 27 (6): 248-250. Nov/Dec 1975

024786 449.8 Z3
Plaque assay and primary isolation of influenza A viruses in an established line of canine kidney cells (MDCK) in the presence of trypsin. Tobita, K; Sugiura, A; Enomoto, C; Furuyama, M *Z Med Mikrobiol Immunol* 162 (1): 9-14. Ref. 1975

024787 442.8 Z33F
A cold precipitable fibrinogen complex in the plasma of cattle dying from infection with Babesia argentina. Goodger, B V *Z Parasitenkd* 48 (1): 1-7. 1975

024788 442.8 Z33F
A fine structural study of asexual stages of the murine coccidium Eimeria ferrisi Levine and Ivens 1965. Chobotar, B; Scholtyseck, E; Senaud, J; Ernst, J V *Z Parasitenkd* 45 (4): 291-306. Ref. 1975

024789 442.8 Z33F
In vitro hatching of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the egg membranes [Sheep]. Caley, J *Z Parasitenkd* 45 (4): 335-346. Ref. 1975

024790 442.8 Z33F
Penetration of host IgG [Immunoglobulin G] molecles into hydatid cysts [Mice, gerbils]. Chobotar, B; Varela-Diaz, V M *Z Parasitenkd* 48 (1): 47-51. Ref. 1975

024791 442.8 Z33F
Structure and mode of function of the organelles associated with nutrition of the macrogametes of Eimeria acervulina [Chickens]. Michael, E *Z Parasitenkd* 45 (4): 347-361. Ref. 1975

024792 442.8 Z33F
The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the dog and its effect on net environmental contamination with ova. Coman, B J; Rickard, M D *Z Parasitenkd* 47 (4): 237-248. Ref. 1975

024793 41.8 Z52
A contributions to tentative identification of borine mycoplasmas. Jurmanova, K *Zentralbl Veterinarmed, Reihe B* 22 (7): 529-534. Ref. Sept 1975

024794 41.8 Z52
A note on an unusual case of echinococcosis [Echinococcus granulosus] in a buffalo (Bos bubalis). Gupta, P P; Singh, B *Zentralbl Veterinarmed, Reihe B* 22 (9): 793-795. Nov 1975

024795 41.8 Z52
Dust vaccination, an alternative method in Newcastle disease prophylaxis. Kraft, V; Baumer, J *Zentralbl Veterinarmed, Reihe B* 22 (8): 703-706. Ref. Oct 1975

024796 41.8 Z52
Experimental transmission of lymphatic leucosis of sheep. (Ger) Paulsen, J; Rudolph, R; Schliesser, T *Zentralbl Veterinarmed, Reihe B* 22 (9): 737-748. Ref. Eng. Sum. Nov 1975

024797 41.8 Z52
Further studies on the occurrence of antibodies against C-type virus specific antigen in sera of cattle from leucosis-infected, suspicious and unsuspicious herds. (Ger) Paulsen, J; Bertelsmann, K F; Schliesser, T *Zentralbl Veterinarmed, Reihe B* 22 (7): 596-605. Eng. Sum. Sept 1975

024798 41.8 Z52
Isolation of a virus from sheep and its classification as a serotype of ovine adenoviruses. (Ger) Bauer, K; Muller, H; Gurturk, S *Zentralbl Veterinarmed, Reihe B* 22 (8): 656-665. Ref. Eng. Sum. Oct 1975

024799 41.8 Z52
Leptospirosis in domestic animals in the south of Chile. A serological study. (Spa) Zamora, J; Kruze, J; Riedemann, S *Zentralbl Veterinarmed, Reihe B* 22 (7): 544-555. Ref. Eng. Sum. Sept 1975

024800 41.8 Z52
Measurement of the efficacy of coli-adsorbate vaccines. Protection studies in mice. (Ger) Barth, R; Jaeger, O *Zentralbl Veterinarmed, Reihe B* 22 (9): 709-717. Ref. Eng. Sum. Nov 1975

024801 41.8 Z52
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. Traub, E *Zentralbl Veterinarmed, Reihe B* 22 (9): 764-782. Ref. Nov 1975

024802 41.8 Z52
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. Traub, E *Zentralbl Veterinarmed, Reihe B* 22 (9): 783-792. Ref. Nov 1975

024803 41.8 Z52
Pathology of chronic Trypanosoma brucei infection in the rabbit. Ingh, T S G A M van den; Dijk, J E van *Zentralbl Veterinarmed, Reihe B* 22 (9): 729-736. Nov 1975

024804 41.8 Z52
Seroepizootiological studies on the importance of parainfluenza 2 infection in kennel cough in Germany [Dogs]. (Ger) Bibrack, B; Benary, F *Zentralbl Veterinarmed, Reihe B* 22 (7): 610-614. Ref. Eng. Sum. Sept 1975

024805 41.8 Z52
Studies of leucosis and specific antibodies in sera of leucotic cattle and sheep by immuno and countercurrent electrophoresis. (Ger) Matthaeus, W; Weiland, F *Zentralbl Veterinarmed, Reihe B* 22 (7): 606-609. Eng. Sum. Sept 1975

024806 41.8 Z52
Studies on the cultivation of an agent of bovine leucosis in bovine leucocyte cultures. 3. Leucosis transmission to calves with cell-free culture medium. (Ger) Schmidt, F W; Garcia de Lima, E; Mitscherlich, E; Milczewski, K E von; Lembke, A *Zentralbl Veterinarmed, Reihe B* 22 (8): 673-686. Ref. Eng. Sum. Oct 1975

024807 41.8 Z52
Studies on the experimental production of chronic erysipelas in swine. 2. Studies with a live antigen in order to standardize a model disease. (Ger) Bohm, K H; Franke, F; Bahr, K H; Hazem, A S; Schulze, W *Zentralbl Veterinarmed, Reihe B* 22 (7): 556-595. Ref. Eng. Sum. Sept 1975

024808 41.8 Z52
Survival of resistant external stages of [livestock] parasites during fermentation of liquid cattle manure at raised temperatures. (Ger) Enigk, K; Thaer, R; Dey-Hazra, A; Ahlers, R *Zentralbl Veterinarmed, Reihe B* 22 (8): 687-702. Ref. Eng. Sum. Oct 1975

024809 41.8 Z52
The serum-gamma-globulin picture in cattle and sheep with leucosis. (Ger) Matthaeus, W; Straub, O C *Zentralbl Veterinarmed, Reihe B* 22 (9): 758-763. Ref. Eng. Sum. Nov 1975

024810 41.8 Z52
Use of an isolator system to study the selective pressure of sulfaquinoxalin-containing coccidiostats on Escherichia coli population in chicks. Guinee, P; Kruyt, B *Zentralbl Veterinarmed, Reihe B* 22 (9): 718-728. Ref. Nov 1975

024811 49 Z6
Keeping calves in reduced cages [Disease prevention]. (Rus) Udalov, I N *Zhivotnovodstvo* 8: 84-85. Aug 1975

NON-INFECTIOUS DISEASES

024812 41.8 AC87
Bovine pancreolithiasis in Denmark. Velling, K *Acta Vet Scand* 16 (3): 327-340. Ref. 1975

024813 QP901.A33
New animal [Japanese quail] model for atherosclerosis research. Day, C E; Stafford, W W *Adv Exp Med Biol* 63: 339-347. 1975

4 AM34P
Potential tetany hazard [to ruminants] of N [nitrogen]-fertilized bromegrass [Bromus inermis] as indicated by chemical composition. Follett, R F; Power, J F; Grunes, D L; Hewes, D A; Mayland, H F *Agron J* 67 (6): 819-824. Ref. Nov/Dec 1975

024814 41.8 EX7
Some histochemical aspects of the carrageenin induced inflammation [Rats]. (Ger) Weischer, C H *Arch Exp Veterinarmed* 29 (5): 769-770. Eng. Sum. 1975

024815 49 AR23
Relationship between leg troubles and movement defects and fattening performance, carcass yield and retention capacity [Swine]. (Ger) Pfeiffer, H; Lengerken, G von; Hennebach, H *Arch Tierz* 18 (3): 193-202. Eng. Sum. 1975

024816 41.8 AU72
Cerebellar hypoplasia of genetic origin in calves. O'Sullivan, B M; McPhee, C P *Aust Vet J* 51 (10): 469-471. Oct 1975

024817 41.8 AU72
Ovarian dysgerminoma in a cow. Summers, P M; Humphrey, J D; Bagshaw, P A *Aust Vet J* 51 (10): 496. Oct 1975

024818 41.8 AV5
Blood glucose and tissue glycogen levels in turkey poults with spontaneous round heart disease and furazolidone-induced cardiomyopathy. Czarnecki, C M; Reneau, J K; Jankus, E F *Avian Dis* 19 (4): 773-780. Ref. Oct/Dec 1975

024819 41.8 AV5
Chronic lesions in geese photosensitized by Ammi majus. Egyed, M N; Shlosberg, A; Eilat, A; Malkinson, M; Barishak, Y R *Avian Dis* 19 (4): 823-826. Oct/Dec 1975

024820 41.8 AV5
Myopathy of the deep pectoral muscle in broiler breeder hens. Page, R K; Fletcher, O J *Avian Dis* 19 (4): 814-821. Ref. Oct/Dec 1975

024821 41.8 AV5
The susceptibility of young chickens, ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. Egyed, M N; Shlosberg, A; Eilat, A *Avian Dis* 19 (4): 830-833. Oct/Dec 1975

024822 382 B52
Changes in cellular composition during magnesium deficiency [Rats]. George, G A; Heaton, F W *Biochem J* 152 (3): 609-615. Ref. Dec 1975

024823 SF779.5.A1B6
Chronic fibrous teat end lesions of lactating dairy cows. Farnsworth, R J; McKeever, P J; Johnson, D W *Bovine Pract* 10: 62-65. Nov 1975

024824 SF779.5.A1B6
Left abomasal displacement, a retrospective study of 315 cases [Dairy cattle]. Wallace, C E *Bovine Pract* 10: 50-53, 56-58. Ref. Nov 1975

024825 SF779.5.A1B6
Progressive ataxia of Charolais cattle. Palmer, A C; Blakemore, W F *Bovine Pract* 10: 84-85. Nov 1975

024826 SF779.5.A1B6
Research on the familial occurrence of left-side displacement of the abomasum in cattle. Stober, M; Wegner, W; Lunebrink, J *Bovine Pract* 10: 59-61. Nov 1975

024827 SF779.5.A1B6
The "reticular grunt" test for traumatic reticulo-peritonitis [Cattle]. Williams, E I *Bovine Pract* 10: 98. Nov 1975

024828 389.8 B773
Effects of severe energy and protein deficiencies on the fibres and nuclei in skeletal muscle of pigs. Stickland, N C; Widdowson, E M; Goldspink, G *Br J Nutr* 34 (3): 421-428. Ref. Nov 1975

024829 47.8 B77
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. Pearce, J *Br Poult Sci* 16 (6): 565-570. Ref. Nov 1975

024830 41.8 V643
Lymphocytosis in normal young pigs. McTaggart, H S *Br Vet J* 131 (5): 574-579. Ref. Sept/Oct 1975

024831 41.9 L99
Biochemical diagnosis of degenerative myopathy of early young cattle. Study of two cases observed in a Lyons slaughterhouse. (Fre) Mouthon, G; Roy, J C; Magat, A *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 301-305. Ref. Eng. Sum. 1975

024832 41.9 L99
Hyperglycemia observed in slaughter cattle. (Fre) Mouthon, G; Magat, A *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 295-298. Ref. Eng. Sum. 1975

024833 SF221.D38
Milk fever is a constant threat [Dairy cattle]. Lloyd, L C *Dairyman (Armadale)* 1 (3): 15. May 1975

024834 SF955.E6
Aural squamous cell carcinoma in the horse: a case report. Stewart, W C; Baker, G J *Equine Vet J* 7 (4): 210-211. Oct 1975

024835 SF955.E6
Experiences with a diagnostic test for equine cryptorchidism. Cox, J E *Equine Vet J* 7 (4): 179-183. Oct 1975

024836 QP501.E8
A urinary pentasaccharide in bovine mannosidosis [Deficiency of alpha-mannosidase]. Lundblad, A; Nilsson, B; Norden, N E; Svensson, S; Ockerman, P A; Jolly, R D *Eur J Biochem* 59 (2): 601-605. Ref. Nov 1975

024837 RB1.E9
Advanced coronary atherosclerosis in swine produced by combination of balloon-catheter injury and cholesterol feeding. Lee, W M; Lee, K T *Exp Mol Pathol* 23 (3): 491-499. Dec 1975

024838 475 EX7
Demonstration of gap junctions by lanthanum in the vitamin A acid-treated skin tumor, Keratoacanthoma [Rabbits]. Prutkin, L *Experientia* 31 (11): 1346-1348. Ref. Nov 15, 1975

024839 TX341.F3
New aspects of the cobalt deficiency problem [Sheep]. Fleming, G A *Farm Food Res* 6 (4): 90-92. Map. July/Aug 1975

024840 41.8 G29
The urinary bladder: neurogenic or non-neurogenic problem [in animals. Oliver, J E Jr *Ga Vet* 27 (6): 26. Nov/Dec 1975

024841 26 H27
"Foot weakness" in broilers. (Heb) Degani, I *Hassadeh* 56 (1): 91-94. Oct 1975

024842 QR1.I53 1974
Equine infectious anemia: a new model of persistent virus infection [Horses]. Kono, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 143-148. Ref. 1974 (Pub. 1975)

024843 SF1.I4
Additional note on serum alkaline phosphatase activity in bloat in Zebu [cattle] and ruminal impaction in buffaloes. Vihan, V S; Joshi, B P; Rai, P *Indian J Anim Health* 14 (1): 35-36. Ref. June 1975

024844 SF481.I55
Egg drop syndrome (EDS) [Poultry]. Kaushik, R K *Indian Poult Rev* 6 (19): 711-712. May 16, 1975

024845 SF481.I55
Studies on experimental vitamin A deficiency in chicks—clinical picture. Das Gupta, P; Kuppuswamy, P B *Indian Poult Rev* 6 (20): 731-733. Ref. June 1, 1975

024846 41.8 IN2
A note on the incidence of acute laminitis in rams. Kornel, D *Indian Vet J* 52 (11): 881-882. Nov 1975

024847 41.8 IN2
Aortic body tumor in a dog. Damodaran, S; Thanikachalam, M *Indian Vet J* 52 (10): 747-749. Oct 1975

024848 41.8 IN2
Cyclopia or cebo-cephalus monstrosity in goat (Capra hircusL.). Kadu, M S; Khan, M N *Indian Vet J* 52 (11): 880. Nov 1975

024849 41.8 IN2
Di-cephalus bicallis with diplocardia in a calf [Teratology]. Kajkonwar, C K *Indian Vet J* 52 (10): 809. Oct 1975

024850 41.8 IN2
Ossifying spondylosis in dogs. Bhargava, A K; Chandna, I S; Datt, S C *Indian Vet J* 52 (11): 863-866. Ref. Nov 1975

024851 41.8 IR4
Two equine cogenital cardiac anomalies. Greene, H J; Wray, D D; Greenway, J A *Ir Vet J* 29 (7): 115-117. July 1975

024852 41.8 AM3
Aorticopulmonary septal defect in a dog. Eyster, G E; Dalley, J B; Chaffee, A; Beadle, R; Trapp, A; Christopher, W J *J Am Vet Med Assoc* 167 (12): 1094-1096. Dec 15, 1975

024853 41.8 AM3
Epitheliogenesis imperfecta in a foal. Crowell, W A; Stephenson, C; Gosser, H S *J Am Vet Med Assoc* 168 (1): 56-58. Jan 1, 1976

024854 41.8 AM3
Renal failure associated with pericardial effusion in a dog. Madewell, B R; Norrdin, R W *J Am Vet Med Assoc* 167 (12): 1091-1093. Ref. Dec 15, 1975

024855 41.8 AM3
Squamous cell carcinoma in horses. Strafuss, A C *J Am Vet Med Assoc* 168 (1): 61-62. Jan 1, 1976

024856 41.8 AM3
Surgical repair of diaphragmatic hernia in a horse. Scott, E A; Fishback, W A *J Am Vet Med Assoc* 168 (1): 45-47. Ref. Jan 1, 1976

024857 49 J82
Clinical response of diary cows with ovarian cysts to GnRH [gonadotropin-releasing hormone]. Bierschwal, C J; Garverick, H A; Martin, C E; Youngquist, R S; Cantley, T C; Brown, M D *J Anim Sci* 41 (6): 1660-1665. Ref. Dec 1975

024858 49 J82
Hormonal responses of dairy cows with ovarian cysts to GnRH [gonadotropin-releasing hormone]. Cantley, T C; Garverick, H A; Bierschwal, C J; Martin, C E; Youngquist, R S *J Anim Sci* 41 (6): 1666-1673. Ref. Dec 1975

024859 49 J82
Prenatal effects of elymoclavine [produced by Claviceps purpurea] administration and temperature stress [Mice abnormalities]. Witters, W L; Wilms, R A; Hood, R D *J Anim Sci* 41 (6): 1700-1705. Ref. Dec 1975

024860 41.9 AN4D
A case of chondrosarcoma in a female cat. (Tur) Aslanbey, D; Kokuuslu, C *J Fac Vet Med* 21 (3/4): 363-369. Ref. 1974 (Pub. 1975)

024861 41.9 AN4D
Dystocias [of domestic animals] seen in the Clinic of Ankara University Veterinary Faculty, Obstetric and Gynecology Department in the period of 1963-1973. (Tur) Alacam, E *J Fac Vet Med* 21 (3/4): 243-248. Eng. Sum. 1974 (Pub. 1975)

024862 41.9 AN4D
Etiology and treatment of placental retention in the cow—a comparison of three methods. (Tur) Alacam, E *J Fac Vet Med* 21 (3/4): 319-324. Ref. Eng. Sum. 1974 (Pub. 1975)

024863 41.9 AN4D
Modern views on the etiology, epidemiology, diagnosis and pathology of urinary bladder cancer [in animals]. (Tur) Erturk, E *J Fac Vet Med* 21 (3/4): 260-277. Ref. Eng. Sum. 1974 (Pub. 1975)

024864 41.9 AN4D
Morphological aspects of the congenital torticollis in the Japanese quail (Coturnix coturnix japonica). (Ger) Deniz, E *J Fac Vet Med* 21 (3/4): 217-223. Ref. 1974 (Pub. 1975)

024865 41.9 AN4D
Round heart syndrome in chickens in Ankara. (Tur) Alibasoglu, M; Erturk, E; Meric, I *J Fac Vet Med* 21 (3/4): 249-259. Eng. Sum. 1974 (Pub. 1975)

024866 41.9 AN4D
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. (Tur) Erturk, E *J Fac Vet Med* 21 (3/4): 278-295. Ref. Eng. Sum. 1974 (Pub. 1975)

024867 41.9 AN4D
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. (Tur) Erturk, E *J Fac Vet Med* 21 (3/4): 296-318. Ref. Eng. Sum. 1974 (Pub. 1975)

024868 41.8 SO8
Differential diagnosis of diarrhea in horses over six months of age. Merritt, A M; Bolton, J R; Cimprich, R *J S Afr Vet Assoc* 46 (1): 73-76. Ref. Mar 1975

024869 41.8 SO8
Metabolic management of the horse with an acute abdominal crisis. Donawick, W J *J S Afr Vet Assoc* 46 (1): 107-110. Ref. Mar 1975

024870 41.8 SO8
Monitoring and evaluating the physiological changes in the horse with acute abdominal disease. Coffman, J R *J S Afr Vet Assoc* 46 (1): 111-114. Ref. Mar 1975

024871 41.8 SO8
Treatment of diarrhea in the horse. Merritt, A M *J S Afr Vet Assoc* 46 (1): 89-92. Mar 1975

024872 41.8 J8292
Myasthenia in Springer Spaniel littermates [Dogs]. Johnson, R P; Watson, A D J; Smith, J; Cooper, B J *J Small Anim Pract* 16 (10): 641-647. Ref. Oct 1975

024873 41.8 J8292
Retropharyngeal fibrosarcoma in a dog. Murdoch, D B; Jones, R S *J Small Anim Pract* 16 (10): 689-693. Ref. Oct 1975

024874 41.8 J27
Histology of the developmental process of the femoral diaphysis and its pathological significance in broiler chickens [Bone diseases]. Itakura, C; Asada, T; Goto, M; Yamagiwa, S *Jap J Vet Sci* 37 (3): 253-260. June 1975

024875 41.8 K67
Can the serum activity of alkaline phosphatase (AP) be used in diagnosing canine hip dysplasia? (Ger) Leschhorn, E; Herzog, A *Kleintier Prax* 20 (5): 160-167. Ref. Eng. Sum. Aug 1975

024876 49 B462
How to recognize and eliminate atrophic rhinitis of swine. (Fre) Jost, P *L'elevage* 44: 30-34. Oct 1975

024877 41.9 T575Q
Histopathological study on six cases of calf leukosis. Yamamoto, H; Yoshino, T *Natl Inst Anim Health Q (Tokyo)* 15 (3): 139-150. Ref. Fall 1975

024878 41.9 T575Q
Radioimmunoassay of bovine parathyroid hormone. Saeki, T; Hayashi, M *Natl Inst Anim Health Q (Tokyo)* 15 (3): 151-158. Ref. Fall 1975

024879 SF481.P64
A note on th pathology of reticuloendotheliosis [Chickens]. Mahendar, M; Vikram Reddy, M; Mahendranath, D *Poult Guide* 12 (9): 49-50. Sept 1975

024880 389.79 C81
Metabolic and behavioral consequences of a short period of malnutrition in the neonatal life of the rat and pig. Barnes, R H *Proc Cornell Nutr Conf Feed Manuf* P. 38-42. Ref. 1975

024881 49.9 N483
Hypocuprosis [deficiency of copper] in dairy cattle in Northland. Smith, B *Proc N Z Soc Anim Prod* 34: 131. 1974

49.9 N483
Plant tannins, bloat and nutritive value [Cattle]. Reid, C S W; Ulyatt, M J; Wilson, J M *Proc N Z Soc Anim Prod* 34: 82-93. Ref. 1974

024882 S293.C6N31
Analysis of cardiac hypertrophy in Thai native dogs. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 662-676. Ref. Eng. Sum. 1974

024883 389.9 AM31
Induction of pulmonary edema and emphysema in goats. Horvath, H A; Carlson, J R; Dickinson, E O *Proc West Sect Am Soc Anim Sci* 26: 165-167. 1975

024884 41.8 R24
A new bovine disease "hyena disease" [of unknown etiology, osteodystrophy]. (Fre) Parodi, A L; Espinasse, J *Recl Med Vet* 151 (10): 535-537. Eng. Sum. Oct 1975

024885 41.8 R24
Acquired cardiopathies in the dog [Heart diseases]. (Fre) Lapras, M *Recl Med Vet* 151 (11, Special No.): 689-700. Eng. Sum. Nov 1975

024886 41.8 R24
Antiarrhythmics [Heart rate, disease control]. (Fre) Pouchelon, J L *Recl Med Vet* 151 (11, Special No.): 747-752. Eng. Sum. Nov 1975

024887 41.8 R24
Cardiac deficiency in the dog. (Fre) Morailon, R *Recl Med Vet* 151 (11, Special No.): 713-722. Eng. Sum. Nov 1975

024888 41.8 R24
Clinical use of cardiotonic glucosides [Dogs]. (Fre) Clerc, B *Recl Med Vet* 151 (11, Special No.): 731-737. Ref. Eng. Sum. Nov 1975

024889 41.8 R24
Congenital cardiopathies of the dog [Heart diseases]. (Fre) Guelfi, J F *Recl Med Vet* 151 (11, Special No.): 679-687. Eng. Sum. Nov 1975

024890 41.8 R24
Disorder in cardiac rhythm [Dogs]. (Fre) Lescure, F *Recl Med Vet* 151 (11, Special No.): 701-711. Eng. Sum. Nov 1975

024891 41.8 R24
Diuretics [Drugs used in heart diseases]. (Fre) Pinault, L; Milhaud, G *Recl Med Vet* 151 (11, Special No.): 739-746. Eng. Sum. Nov 1975

024892 41.8 R24
Pathological morphological variations of electrocardiogram [Dogs, heart diseases, diagnosis]. (Fre) Pouchelon, J L *Recl Med Vet* 151 (11, Special No.): 673-678. Eng. Sum. Nov 1975

024893 41.8 R24
Rational treatment of dehydration in calves, galenical preparation and clinical experimentation of new perfusable rehydrating solutions. (Fre) Oliver, R; Cotty, J; Nguyen Huy Ninh,; Blain, M; Herbert, G *Recl Med Vet* 151 (10): 539-548. Eng. Sum. Oct 1975

024894 284.9 M58
The effect of ACTH [corticotropin] on glucocorticoids in stress-susceptible and stress-resistant pigs. Meiburg, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 116-118. Sept 1975

024895 284.9 M58
The response of pigs to heat stress at 50 and 100 kilograms. Meiburg, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 119-121. Sept 1975

100 C76RE
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the male weanling rabbit. Donoghue, S; Frier, H I; Hall, R C Jr; Eaton, H D; Nielsen, S W; Rousseau, J E Jr; Connecticut Storrs Agricultural Experiment Station *Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn* 49, 57 P. Ref. Oct 1975

024896 41.8 R32
A few current topics in connection with the nutritional disorders of horses. (Fre) Wolter, R *Rev Med Vet (Toulouse)* 126 (10): 1249-1258. Ref. Eng. Sum. Oct 1975

024897 41.8 R32
Aflatoxicosis and vitamin D3 deficiency in ducklings. (Fre) Ferrando, R; Murthy, T R K; Henry, N *Rev Med Vet (Toulouse)* 126 (10): 1259-1263. Eng. Sum. Oct 1975

024898 41.8 R32
Urinary calculi in dogs. A trial on an analysis package. (Fre) Rico, A G; Benard, P; Braun, J P; Guillon, B; Cazieux, A; Dickele, G; Genevois, J P *Rev Med Vet (Toulouse)* 126 (10): 1313-1322. Ref. Eng. Sum. Oct 1975

024899 41.8 R3224
A review of bloat in cattle. Howarth, R E *Rev Vet Can* 16 (10): 281-294. Ref. Oct 1975

024900 41.8 R3224
Recommendations on canine hip dysplasia: diagnosis, treatment and genetic selection. Crawford, R D; Pharr, J W *Rev Vet Can* 16 (10): 308-309. Oct 1975

SF1.R54
Sterility [Cattle, nutritional deficiency]. (Ita) Maletto, S; Mussa, P P; Quaglino, G *Rilancio Agric Vet Zootec* 6 (2/3): 4-6. 1974

024901 SF1.R55
Prevention of puerperal neuroses in the cow: effect of administration of phosphorus preparations. (Ita) Ballarini, G *Riv Zootec Vet* 4: 313-318. Ref. Eng. Sum. July/Aug 1975

024902 41.8 SCH9
Heart disease in dogs, 10 years of diagnostic activity at the Institute of Veterinary Physiology. (Ger) Beglinger, R; Alioth, C; Gretener, P *Schweiz Arch Tierheilkd* 117 (11): 611-616. Eng. Sum. Nov 1975

024903 41.8 SCH9
Leucodystrophic lesions in the brain of young cats. (Ger) Fatzer, R *Schweiz Arch Tierheilkd* 117 (11): 641-648. Ref. Eng. Sum. Nov 1975

024904 41.8 SO82
A simple approach to replacing a prolapsed uterus or vagina [Cows]. Baker, J M *Southwest Vet* 28 (3): 255-257. 1975

024905 41.8 SO82
Allergic contact dermatitis [in a dog]. Mac Glaess, O *Southwest Vet* 28 (3): 260-263. 1975

024906 41.8 SO82
Occlusion in the dog [Teeth]. Ross, D L *Southwest Vet* 28 (3): 247-250. 1975

024907 41.8 SO82
Supportive nutritional care for foals born to iso-immunized mares. Davis, D I; Hairgrove, T B *Southwest Vet* 28 (3): 239-242. 1975

024908 41.8 T31
The use of megasterol acetate for treatment of feline endrocrine alopecia [Altered cats]. McDougal, B J *Tex Vet Med J* 37 (6): 12-13. Nov/Dec 1975

024909 41.8 T445
Coronet joint ankylosis in the horse. (Ger) Cronau, P F *Tierarztl Umsch* 30 (11): 550. Nov 1, 1975

024910 41.8 T431
Diaphragm myopathia in Meuse-Rhine-Ijssel cattle [Decifiency diseases]. (Dut) Hoebe, H P *Tijdschr Diergeneeskd* 100 (22): 1207-1208. Eng. Sum. Nov 15, 1975

024911 41.8 T752
Pathology of the bovine testis and epididymis. Humphrey, J D; Ladds, P W *Vet Bull* 45 (11): 787-797. Ref. Nov 1975

024912 41.8 V641
Biochemical studies of the "collapse syndrome" in suckled calves. Barber, D M L; Doxey, D L *Vet Rec* 97 (22): 424-428. Ref. Nov 29, 1975

024913 41.8 V641
Corneal dermoids in animals. Lawson, D D *Vet Rec* 97 (23): 449-450. Dec 1975

024914 41.8 V641
Epiphysitis in beef cattle fattened on slatted floors [Lameness]. Murphy, P A; Weavers, E D; Barrett, J N *Vet Rec* 97 (23): 445-447. Dec 1975

024915 41.8 V641
In-vivo diagnosis of right renal aplasia in a pekingese bitch. Schepper, J de; Bree, H van; Stock, J van der; Mattheeuws, D; Verleyn, P; Rick, A de *Vet Rec* 11 (2): 475. Dec 13, 1975

024916 41.8 V641
Suprapubic paramedian laparotomy for equine abdominal cryptorchidism. Cox, J E; Edwards, G B; Neal, P A *Vet Rec* 97 (22): 428-432. Ref. Nov 29, 1975

024917 41.8 V641
The economic aspect of spastic paresis of the hind legs of Friesian cattle. Dawson, P L L *Vet Rec* 97 (22): 432-433. Nov 29, 1975

024918 41.8 V641
Tissue-steroid interactions in canine hormone-dependent tumours [Dogs]. Evans, C R; Pierrepoint, C G *Vet Rec* 97 (24): 464-467. Ref. Dec 13, 1975

024919 41.8 UP4
Adrenal cortical disease in dogs [Hyperadrenocorticism, hypoadrenocorticism]. Mulnix, J A *Vet Scope* 19 (2): 12-20. Ref. 1975

024920 41.8 V6439
Consequences of disturbance of endogenous metabolism of urea in fattened bulls. (Cze) Kolar, J *Veterinarstvi* 25 (9): 398. 1975

024921 41.8 V6439
Hypomagnesiemia in dairy cows as a possible cause of calf hypotrophy. (Cze) Vavra, L; Cepelka, Z *Veterinarstvi* 25 (9): 395-397. 1975

024922 41.8 V6439
Mass incidence of perosis in chickens. (Slo) Mraz, A *Veterinarstvi* 25 (9): 420-422. 1975

024923 20 V82
Method fo determining losses due to sterility of cows. (Ukr) Red'kin, I P *Visn Sil's'kohospod Nauki* 6: 89-91. June 1975

024924 41.8 M69
A practitioner's experience with epiphysitis in foals. Sherrod, W W *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1443-1448. Dec 1975

024925 41.8 M69
Canine pancreatic adenocarcinoma [Dogs]. Bleicher, D D *VM SAC (Vet Med Small Anim Clin)* 71 (1): 43-45. Jan 1976

024926 41.8 M69
Canine paraphimosis: sequel to inefficient preputial muscles. Chaffee, V W; Knecht, C D *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1418-1420. Dec 1975

024927 41.8 M69
Closed-wound irrigation of compound and contaminated fractures as a preventive and treatment for osteomyelitis [Dogs, cats]. Abel, D L; Johnson, J J *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1425-1431. Dec 1975

024928 41.8 M69
Diagnosis of reproductive failure through gross examination of porcine reproductive tracts. Sprecher, D J; Leman, A D; Starkey, A *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1465-1474. Dec 1975

024929 41.8 M69
Electrocardiographic signs of adrenocortical insufficiency with hypercalcemia in the dog. Musselman, E E *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1433-1437. Ref. Dec 1975

024930 41.8 M69
Osteosarcoma of the hard palate in a dog. Howard, D R; Lammerding, J J; Merkley, D F; Bloomberg, M S *VM SAC (Vet Med Small Anim Clin)* 71 (1): 59-61. Jan 1976

024931 41.8 M69
Progressive retinal atrophy in two atypical breeds of dogs. Peiffer, R L Jr; Gelatt, K N *VM SAC (Vet Med Small Anim Clin)* 70 (12): 1476-1478. Dec 1975

024932 41.8 M69
Surgical repair of a fistula of the urethral diverticulum in a horse. Munger, R J; Meagher, D M *VM SAC (Vet Med Small Anim Clin)* 71 (1): 96. Jan 1976

024933 41.8 Z5
Bromosulphthalein clearance and total bilirubin level in cows deprived of food and water. Cakala, S; Bieniek, K *Zentralbl Veterinarmed, Reihe A* 22 (7): 605-610. Ref. Sept 1975

024934 41.8 Z5
Periodontopathy in the dog due to lack of calcium and excess of phosphorus in the diet. (Fre) Ghergariu, S; Greblea, A; Giuglea, M; Pais, C; Stroia, S; Bundaru, L *Zentralbl Veterinarmed, Reihe A* 22 (8): 696-703. Ref. Eng. Sum. Oct 1975

024935 41.8 Z5
Relationships between clinical zinc deficiency symptoms and zinc status in lactating cows. (Ger) Kirchgessner, M; Schwarz, W A *Zentralbl Veterinarmed, Reihe A* 22 (7): 572-582. Ref. Eng. Sum. Sept 1975

024936 41.8 Z52
The morphology of spontaneous pulmonary adenomatosis in sheep. I. Histological findings on the tumour stroma. (Ger) Geisel, O *Zentralbl Veterinarmed, Reihe B* 22 (7): 535-543. Ref. Eng. Sum. Sept 1975

49 Z6
Cases of congenital deformation of the extremities in Sychevka calves [Heredity]. (Rus) Zhigachev, A I; Gol'dman, I L *Zhivotnovodstvo* 6: 26-27. June 1975

024937 SF105.A1Z8
Clinical signs of the udders of sows and some characteristics of their secretions [Irregular teats]. (Ger) Varadin, M; Filipovic, M *Zuchthygiene (Berl)* 10 (3): 109-118. Ref. Eng. Sum. Sept 1975

MISCELLANEOUS DISEASES

024938 444.8 AC82
The vulnerability of early postnatal differentiation processes o the retina and the teratogenic effect of cyclophosphamide (Endoxan). (Ger) Foerster, H; Lierse, W *Acta Anat* 93 (2): 161-170. Ref. Eng. Sum. 1975

024939 RC963.A1A7
Antibody suppression by cadmium [Mice, toxicity]. Koller, L D *Arch Environ Health* 30 (12): 598-601. Ref. Dec 1975

024940 RA1190.A7
Dieldrin and DDT in the tissues of mice fed aldrin and DDT for seven generations. Deichmann, W B; MacDonald, W E; Cubit, D A *Arch Toxikol* 34 (3): 173-182. 1975

475 AU73
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[Weed, toxic to sheep]. Culvenor, C C J; Johns, S R; Smith, L W *Aust J Chem* 28 (10): 2319-2322. Oct 1975

024941 41.8 AV5
Why animal disease research? Hanson, R P *Avian Dis* 19 (4): 647-650. Oct/Dec 1975

024942 57.9 AR1
Causes of calcinosis in cattle kept in the soil-fertilizer-pland-animal system [Poisonous plants, Trisetum flavescens]. (Ger) Libiseller, R *Ber Arbeitstag Fragen Gulle* P. 231-244. Ref. 1974

024943 442.8 B5236
Biphasic effect of extracts of Lithospermum ruderale on theuptake of 32P [phosphorus istope] by testes and thyroids ofcockerels. Zeller, F J; Breneman, W R; Carmack, M; Kelley, C J *Biochem Biophys Res Commun* 67 (3): 1234-1241. Dec 1, 1975

024944 RA1270.P35A1
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and lipid peroxidation in young growing rats during the treatment of insecticides. Pawar, S S; Makhija, S J *Bull Environ Contam Toxicol* 14 (6): 714-720. Ref. Dec 1975

RA1270.P35A1
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for organo-phosphorous insecticide poisoning, men and experimental animals]. Suzuki, K; Tauchi, K *Bull Environ Contam Toxicol* 14 (6): 674-680. Dec 1975

024945 RA1270.P35A1
The effect of atmospheric levels of pesticides on pesticide residues in rabbit adipose tissue and blood sera. Arthur, R D; Cain, J D; Barrentine, B F *Bull Environ Contam Toxicol* 14 (6): 760-764. Dec 1975

024946 RA1270.P35A1
The metabolism of p,p'-DDE [dichlorodiphenyl dichloroethylene] in laying Japanese quail and their incubated eggs. Lamberton, J G; Inman, R D; Claeys, R R; Robson, W A; Arscott, G H *Bull Environ Contam Toxicol* 14 (6): 657-664. Ref. Dec 1975

024947 41.9 L99
Study of chlorophacinone toxicity, an anticoagulant raticide, in ducks. (Fre) Lorgue, G; Delatour, P; Courtot, D; Cheippe, R; Desmaris,; Charmettant,; Denis, *Bull Soc Sci Vet Med Comp Lyon* 77 (5): 307-315. 1975

024948 41.8 C33
A suspected outbreak of aflatoxicosis [Aspergillus flavus] among goats in Sri Lanka [Contaminated feed]. Wanasinghe, D D *Ceylon Vet J* 22 (3/4): 64-65. Sept/Dec 1974

024949 475 SCI23
Centromeric sensitivity of mouse chromosomes to the systemic insecticide dimethoate (Rogor). Bhunya, S P; Behera, J *Curr Sci* 44 (23): 859-860. Dec 5, 1975

024950 TD172.E52
Blood calcium levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning [Doves, ducks]. Peakall, D B; Miller, D S; Kinter, W B *Environ Pollut* 9 (4): 289-294. Ref. Dec 1975

TD1.E58
Hormology with inorganic compounds [Nutritional and toxic effects on man and animals]. Luckey, T D *Environ Qual Saf* 1 (Suppl.): 81-118. Ref. 1975

024951 TD1.E58
Toxicology of non-radioactive heavy metals and their salts [Nutritional and toxic effects on animals]. Venugopal, B; Luckey, T P *Environ Qual Saf* 1 (Suppl.): 4-73. Ref. 1975

024952 QP501.E8
Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the toxin A-chains [Rabbits]. Olsnes, S; Fernandez-Puentes, C; Carrasco, L; Vazquez, D *Eur J Biochem* 60 (1): 281-288. Ref. Dec 1975

024953 286.81 F322
The fungus era [Poultry, livestock, mycotoxicosis]. Whittaker, J M *Feedstuffs* 47 (47): 24-25. Ref. Nov 17, 1975

024954 41.8 G29
Iodine toxicity in cattle. Wallace, C E *Ga Vet* 27 (6): 25. Nov/Dec 1975

024955 26 H27
Ill-effects of feeding mouldy peanut hay to young goats [Aspergillus nidulans, mycotoxicosis]. (Heb) Shadmi, A *Hassadeh* 56 (1): 103-105. Eng. Sum. Oct 1975

024956 QC795.H4
Animal data on plutonium toxicity. Thompson, R C *Health Phys* 29 (4): 511-519. Ref. Oct 1975

024957 QC795.H4
Environmental pathways of plutonium into terrestrial plants and animals. Hakonson, T F *Health Phys* 29 (4): 583-588. Ref. Oct 1975

024958 QC795.H4
The use of animal data in derivation of [radiation] standards. Brues, A M *Health Phys* 29 (4): 521-524. Ref. Oct 1975

024959 QR1.I53 1974
Effects of ochratoxin A on carbohydrate metabolism in rats [Aspergillus ochraceus]. Yamazaki, M; Suzuki, S; Satoh, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 307-313. 1974 (Pub. 1975)

024960 QR1.I53 1974
The effect of A tremorgenic mycotoxin (Penitrem A) on animals. Cysewski, S J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 373-379. Ref. 1974 (Pub. 1975)

024961 QD181.S4H6
Toxicology [of scandium]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 535-547. Ref. 1975

024962 SF1.I4
Observations on antrycide methyl sulphate toxicity in Indian cattle and buffaloes. Das, M S; Sinha, P K *Indian J Anim Health* 14 (1): 73-76. June 1975

024963 41.8 IN2
Formaline fixed arterial encasement for experimental tenorrhaphy in bovines [Cattle, tendon injuries]. Nigam, J M; Dhar, S K; Dhablania, D C *Indian Vet J* 52 (10): 788-792. Oct 1975

024964 41.8 IN2
Preliminary studies on mycoflora of poultry feed and litter [Mycotoxicosis]. Katoch, R C; Bhowmik, K B D; Katoch, B S *Indian Vet J* 52 (10): 759-762. Oct 1975

024965 41.8 AM3
Presumptive quaternary ammonium intoxication in a pony. Skand, D L *J Am Vet Med Assoc* 168 (1): 60. Jan 1, 1976

024966 49 J82
Influence of acute tissue injury on in vitro incorporation of 6 5 Zn [zinc isotopes] by sheep erythrocytes. Sasser, L B; Bell, M C; Jarboe, G E *J Anim Sci* 41 (6): 1679-1685. Ref. Dec 1975

024967 49 J82
Tolerance of ponies to high levels of dietary copper [Toxiceffects]. Smith, J D; Jordan, R M; Nelson, M L *J Anim Sci* 41 (6): 1645-1649. Ref. Dec 1975

024968 381 AS7
A screening method for determining nitrofuran drug residues in animal tissues. Ryan, J J; Lee, Y C; Dupont, J A; Charbonneau, C F *J Assoc Off Anal Chem* 58 (6): 1227-1231. Nov 1975

024969 44.8 J822
Metabolism and toxicity of cadmium, mercury, and lead in animals: a review. Neathery, M W; Miller, W J *J Dairy Sci* 58 (12): 1767-1781. Ref. Dec 1975

024970 41.9 AN4D
Surgical treatment of posterior luxation and radius deformation in a wolf dog. (Tur) Aslanbey, D; Gorgul, O S *J Fac Vet Med* 21 (3/4): 325-332. 1974 (Pub. 1975)

024971 389.8 J82
Influence of excess vitamin E on vitamin A toxicity in rats. Jenkins, M Y; Mitchell, G V *J Nutr* 105 (12): 1600-1606. Ref. Dec 1975

024972 41.8 SO8
Brown snake bite in horses in southeastern Queensland. Pascoe, R R *J S Afr Vet Assoc* 46 (1): 129-131. Mar 1975

024973 41.8 SO8
Rupture of the caecum at parturition [Horses]. Littlejohn, A; Ritchie, J D S *J S Afr Vet Assoc* 46 (1): 87. Mar 1975

024974 41.8 SO8
Temporary colostomy in the management of rectal tears in the horse [Injuries]. Azzie, M A J *J S Afr Vet Assoc* 46 (1): 121-122. Mar 1975

024975 382 SO12
2,4,6-trichloroanisole in broiler house litter: a further cause of musty taint in chickens. Land, D G; Gee, M G; Gee, J M; Spinks, C A *J Sci Food Agric* 26 (10): 1585-1591. Ref. Oct 1975

024976 41.8 J8292
Fractures of the distal femur in the dog and cat. Alcantara, P J; Stead, A C *J Small Anim Pract* 16 (10): 649-659. Ref. Oct 1975

024977 41.8 J8292
Orthopaedic disease affecting the pelvic region of the cat [Injuries]. Bennett, D *J Small Anim Pract* 16 (11): 723-738. Ref. Nov 1975

024978 41.8 J8292
The reaction of hair follicles in the vicinity of full-thickness excised skin wounds in the dog. Winstanley, E W *J Small Anim Pract* 16 (10): 661-669. Ref. Oct 1975

024979 41.8 J27
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. I. Detection of circulating anticoagulants. Yamane, O; Hayashi, T; Sako, S; Kihara, T; Koyama, M *Jap J Vet Sci* 37 (4): 335-340. Ref. Aug 1975

024980 41.8 J27
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. II. Heparin-like substance level in blood. Yamane, O; Hayashi, T; Sako, S; Tatematsu, S; Takeda, K; Fukushima, H *Jap J Vet Sci* 37 (4): 341-347. Ref. Aug 1975

024981 QL55.A1L3
A discounted least squares quadratic growth prediction model for use in 2 year toxicity studies [Rats]. Iman, R L; Brunden, M N *Lab Anim* 9 (4): 289-296. Oct 1975

024982 41.8 N812
Calf blood extract in treatment of equine foot lesions. Shokry, M; el-Sheikh, A H *Mod Vet Pract* 56 (12): 831-832. Dec 1975

024983 S542.A1N45
Hexachlorobenzene. IV. Accumulation and elimination of HCB in pigs after oral dosing [Fungicide, residues]. Avrahami, M *N Z J Exp Agric* 3 (3): 285-287. Sept 1975

024984 389.8 N142
The control of the function of the thyroid gland by means of radioactive iodine in the toxocological investigation of foreign substances [Rats]. (Ger) Seidler, H; Hartig, M; Lewerenz, H J *Nahrung* 19 (8): 715-726. Ref. Eng. Sum. 1975

60.9 J27
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. (Jpn) Ali, T *Nippon Sochi Gakkai Shi* 21 (2): 109-115. Ref. Eng. Sum. July 1975

024985 QK99.A1P5
Mortal poisoning of chickens by ivy [Hedera helix] seeds. (Fre) Mahe-Quinio, M; Rossinyol, G; Foucaud, A *Plant Med Phytother* 9 (3): 182-186. July 1975

389.79 C81
Problems with molds and mycotoxins in poultry feeds [Mycotoxicosis]. Combs, G F Jr *Proc Cornell Nutr Conf Feed Manuf* P. 109-115. Ref. 1975

024986 79.9 N213
Barley grass damage to lambs. Hartley, M J; Bimler, K H *Proc N Z Weed Pest Control Conf* 28th: 2-6. 1975

79.9 N213
Plant toxicities in sheep on a property with unusual weed control problems. Simpson, B H *Proc N Z Weed Pest Control Conf* 28th: 92-94. Ref. 1975

79.9 N213
Toxicity [to livestock] of some composite (Senecio) weeds. Mortimer, P H; White, E P *Proc N Z Weed Pest Control Conf* 28th: 88-91. 1975

024987 S293.C6N31
Hydrocyanic (HCN) toxicity in broilers fed diets contaning cassava. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 437-450. 1974

024988 23 Q33
Bracken fern [Pteridium] poisoning [Cattle]. Bennedick, R W *Queensl Agric J* 101 (4): 467-468. July/Aug 1975

024989 284.9 M58
Short-term stress effects on swine reproduction. Wildt, D E; Riegle, G D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 14-15. Sept 1975

284.9 M58
Studies with Fusarium [roseum]-infected corn [Swine, feed toxicity]. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 86-89. Sept 1975

024990 SF1.R55
Clinical aspects and problems of fusarioses in animals in livestock production. (Ita) Ballarini, G *Riv Zootec Vet* 3: 233-252. Ref. May/June 1975

024991 SF1.R55
Some aspects of mycotoxicoses from Fusarium [Livestock]. (Ita) Piana, G; Piva, G *Riv Zootec Vet* 3: 221-232. Ref. May/June 1975

024992 41.8 SO82
A literary review of wound healing and the effects of zinc on wound healing. Winn, R T *Southwest Vet* 28 (3): 221-227. Ref. 1975

024993 41.8 SO82
Rupture of the gallbladder in the canine and it's surgical correction; a case report. Richardson, B F; Hobson, H P; Morris, E L *Southwest Vet* 28 (3): 251-254. 1975

024994 41.8 T445
Contribution to the treatment of udder lesions and teat wounds in cattle with Actihaemyl. (Ger) Wanderka, H *Tierarztl Umsch* 30 (11): 567-568. Nov 1, 1975

024995 41.8 T445
Residues in milk, blood serum and urine after intrauterine administration of antibiotic trade preparations to puerperal cows. (Ger) Gedek, W; Matzke, P; Fastner, S; Hollwich, W *Tierarztl Umsch* 30 (10): 504-506, 508. Oct 1, 1975

024996 391.8 T662
Concentrations of serum proteins during aflatoxicosis [Chickens]. Tung, H T; Wyatt, R D; Thaxton, P; Hamilton, P B *Toxicol Appl Pharmacol* 34 (2): 320-326. Ref. Nov 1975

024997 391.8 T662
The mechanism of action and treatment of palytoxin poisoning [Dogs]. Vick, J A; Wiles, J S *Toxicol Appl Pharmacol* 34 (2): 214-223. Nov 1975

RA1190.T69
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. Sabine, J R *Toxicology* 5 (2): 221-235. Ref. Nov 1975

024998 RA1190.T69
Hemodynamic effects of aerosol propellants. I. Cardiac depression in the dog. Simaan, J A; Aviado, D M *Toxicology* 5 (2): 127-138. Nov 1975

024999 RA1190.T69
Hemodynamic effects of aerosol propellants. II. Pulmonary circulation in the dog. Simaan, J A; Aviado, D M *Toxicology* 5 (2): 139-146. Nov 1975

025000 RA1190.T69
Lead and active calcium transfer through the intestinal wall in rats. Gruden, N *Toxicology* 5 (2): 163-166. Ref. Nov 1975

025001 RA1190.T69
The effect of massive transplacental iron loading [Rabbits]. Beliles, R P; Palmer, A K *Toxicology* 5 (2): 147-158. Ref. Nov 1975

025002 513 T64
Experimental studies on bracken poisoning of cattle: clinical findings and blood figures. (Jpn) Yamane, O; Hayashi, T; Sako, S; Kihara, T; Koyama, M; Itagaki, K *Trans Tottori Soc Agric Sci* 27: 68-78. Ref. Eng. Sum. Mar 1975

025003 513 T64
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). (Jpn) Maeda, T *Trans Tottori Soc Agric Sci* 27: 79-88. Ref. Eng. Sum. Mar 1975

025004 513 T64
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts [Bulls, sheep]. (Jpn) Morita, Z; Senda, H; Matsuoka, K *Trans Tottori Soc Agric Sci* 27: 89-93. Mar 1975

025005 20 V82
Mycotoxicosis in cows caused by toxins of Aspergillus flavus Lk. [Wheat, feed, contamination]. (Ukr) Kharchenko, S M; Lytvyn, V P *Visn Sil's'kohospod Nauki* 9: 93-95. Sept 1975

389.9 K542
Fluorimetric and gas-chromatographic determination of selenium in biological substances [Human and animal toxicity]. (Rus) Ermakov, V V *Vitaminy* 8: 141-146. Ref. 1975

389.9 K542
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. (Rus) Koval'skii, V V; Ermakov, V V *Vitaminy* 8: 80-87. Ref. 1975

025006 41.8 Z5
Effect of small doses of insecticide on the liver of chicks. (Ger) Manciulea, S; Giurgea, R *Zentralbl Veterinarmed, Reihe A* 22 (8): 671-677. Ref. Eng. Sum. Oct 1975

025007 41.8 Z5
The behaviour of deoxyribonucleases of rat liver in the course of diethylnitrosamine-induced carcinogenesis. Tempel, K; Hollatz, R *Zentralbl Veterinarmed, Reihe A* 22 (7): 619-623. Ref. Sept 1975

025008 41.8 Z5
Toxic effects of diazinon [insecticide] on the gonads of fowls. Sokkar, S M; Mohammed, M A; Soliman, F A *Zentralbl Veterinarmed, Reihe A* 22 (7): 557-563. Ref. Sept 1975

FORESTRY—GENERAL

025009 99.8 F762
Crusade for conservation. The centennial history of The American Forestry Association. Clepper, H *Am For* 81 (10): 17-112. Oct 1975

025010 99.8 F762
The centennial papers: our nation's forests. Butz, E L *Am For* 82 (1): 10-11, 54. Jan 1976

025011 99.8 F762
The "dirty thirties" shelterbelt project. Potter, B G *Am For* 82 (1): 36-39. Map. Jan 1976

025012 99.8 F762
The forest floor [Ecology]. Jackson, J P *Am For* 81 (12): 22-25, 60-61. Dec 1975

025013 SD1.B71
Effects of three forest species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. (Por) Barros, N F de; Brandi, R M *Bras Flores* 6 (21): 24-29. Ref. Eng. Sum. Jan/Mar 1975

025014 107.6 T5762
Physiological and morphological properties of the Japanese black and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. (Jpn) Ishizaki, A; Hasegawa, M *Bull Fac Agric Tamagawa Univ* 14: 40-50. Ref. Eng. Sum. 1974

025015 99.8 R47
Climatic maps of Tohoku district for forestry. (Jpn) Kojima, C *Bull Gov For Exp Stn (Tokyo)* 276: 77-102. Maps. Sept 1975

025016 99.8 R47
Some observations on the Japanese field vole, Microtus montebelli (Milne-Edwards) in captivity. I. Postnatal growth and development [Forest pests]. Nakatsu, A *Bull Gov For Exp Stn (Tokyo)* 276: 23-29. Ref. Sept 1975

025017 470 C16C
Chimeras, hyperplasia, and hypoplasia in frost burls [in conifers and hardwoods] induced by low temperature. Zalasky, H *Can J Bot* 53 (17): 1888-1898. Ref. Sept 1, 1975

025018 470 C16C
Low-temperature-induced cankers and burls [injuries] in test conifers and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. Zalasky, H *Can J Bot* 53 (21): 2526-2535. Ref. Nov 1, 1975

025019 279.8 C46
The forests of the Pieniny National Park. (Pol) Dziewolski, J *Chron Przyr Ojczysta* 30 (6): 22-29. Eng. Sum. Nov/Dec 1974

025020 279.8 C46
The importance of afforestations and greens in the protection of the natural environment. (Pol) Zabierowski, K *Chron Przyr Ojczysta* 30 (5): 47-59. Eng. Sum. Sept/Oct 1974

025021 279.8 C46
"The noiseless zone" at the foot of the Tatry Mountains [Forests, recreational uses]. (Pol) Kulczycki, J *Chron Przyr Ojczysta* 30 (1): 20-27. Eng. Sum. Jan/Feb 1974

025022 410 EC7
Streamflow chemistry and nutrient yields from upland-peatland watersheds in Minnesota. Verry, E S *Ecology (Durham)* 56 (5): 1149-1157. Ref. Summer 1975

025023 99.9 ER24
Forest and environment research in Hungary. Keresztesi, B *Erdeszeti Kut* 70 (2): 79-82. 1974 (Pub. 1975)

025024 99.9 ER24
Report on the session of IUFRO [International Union of Forest Research Organizations] division I. in Hungary. Solymos, R *Erdeszeti Kut* 70 (2): 67-73. 1974 (Pub. 1975)

025025 SD1.E8
The influence of sulfur dioxide and hydrogen fluoride on free amino acids of spruce [Picea abies]. (Ger) Jager, H J; Grill, D *Eur J For Pathol* 5 (5): 279-286. Ref. Eng. Sum. Oct 1975

025026 SK1.F4
Barking by red deer in mountain localities. (Ger) Ernst, F *Feld Wald Wasser Schweiz Jagdztg* 3 (10): 32-34. (Concluded) Oct 1975

025027 99.8 F775
On some methods in forestry experiments. (Ger) Assmann, E *Forstwiss Centralbl* 94 (6): 255-264. Ref. Eng. Sum. Nov 1975

025028 1.9 F76AM
Forest Service films available on loan for educational purposes to schools, civic groups, churches, television. U.S. Forest Service *FS (Am Wood) U S For Serv* 31, Rev., 35 P. July 1975

025029 S27.A3
Goals in Plains States—windbreak plantings. Lloyd, W J; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 9 P. 1975

025030 S27.A3
Plant response to environmental change induced by windbreaks. Rosenberg, N J; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 2 P. 1975

025031 S27.A3
Trees—food—energy. Proceeding: 27th annual meeting, Forestry Committee, Great Plains Agricultural Council, June 16-19, Lincoln, Nebraska. Great Plains Agricultural Council; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, Various Pagings. 1975

025032 S27.A3
Windbreak removal trends in the Great Plains [Forest conservation]. Brink, L K; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 18 P. 1975

025033 99.8 IT12
Aircraft in the control of forest fires. (Ita) Rosselli del Turco, N *Ital For Mont* 29 (4): 155-163. Eng. Sum. July/Aug 1974

025034 99.8 IT12
The inauguration of the XXIIIrd year of the Italian Academy of Forest Sciences. (Ita) Abrami, A *Ital For Mont* 29 (5): 165-181. Sept/Oct 1974

025035 99.8 IZ8
Industrial dust and the viability of pines in suburban forests of Leningrad [Air pollution, forest damage]. (Rus) Podzorov, N V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 158-160. 1975

025036 99.8 IZ8
On some features of systems of electric power supply for forest enterprises. (Rus) Bukshtynov, V A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 32-34. 1975

025037 99.8 N62
Histological responses of Japanese red pine [Pinus densiflora] needles exposed to sulfur dioxide [Injury]. (Jpn) Ito, S *J Jap For Soc* 57 (9): 300-304. Ref. Eng. Sum. Sept 1975

025038 410 J827
Comparison of seven forest types for game in West Virginia. Gill, J D; Thomas, J W; Healy, W M; Pack, J C; Sanderson, H R *J Wildl Manage* 39 (4): 762-768. Oct 1975

025039 410 J272
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. Seed input and output of seedling with seed coat. Rim, Y D; Shidei, T *Jap J Ecol* 25 (3): 141-148. Ref. Sept 1975

025040 99.8 L5622
Birch [Betula] trees in shelterbelt forestry. (Rus) Kargov, V A; Mukhaev, B A *Lesn Khoz* 10: 65-66. Oct 1975

025041 99.8 L5622
Effect of forest shelterbelts on productivity of fruit trees. (Rus) Andrianov, S N *Lesn Khoz* 11: 62-63. Nov 1975

025042 99.8 L5622
Pine stands on the Terek-Kuma sands. (Rus) Kabalaliev, V *Lesn Khoz* 11: 65-66. Nov 1975

025043 99.8 L5622
Protective forest shelterbelts of hybrid poplars in Bashkiria. (Rus) Levashov, B G; Stepanova, P N *Lesn Khoz* 10: 63-64. Oct 1975

025044 99.8 L5622
Studies from space vehicles in forestry. (Rus) Sinitsyn, S G; Arzhanov, E P; Sukhikh, V I *Lesn Khoz* 10: 89-92. Oct 1975

025045 99.8 L5622
The forests and forestry of Australia. (Rus) Bukshtynov, A D; Groshev, B I *Lesn Khoz* 10: 93-95. Ref. Oct 1975

025046 99.8 L5622
[Natural] conditions for forest growing in western Kara-Kum. (Rus) Veiisov, S; Gunin, P D *Lesn Khoz* 11: 63-65. Ref. Nov 1975

025047 99.76 P112LA
Forest history—an American heritage. Davis, D F *Log Handb* 35 (Sect. I): 34-35, 92. 1975

025048 99.76 P112LA
Forestry in Australia. Cumberland, B *Log Handb* 35 (Sect. I): 19-23, 89-90c. 1975

025049 20 M57
Prospects for the development of forestry in countries of the Council for Mutual Economic Assistance. (Rus) Madas, A *Mezhdunar S-kh Zh* 6: 91-95. 1975

025050 20 M57
Timely problems of forest protection from pests and diseases [in Poland]. (Rus) Burzynski, *Mezhdunar S-kh Zh* 6: 95-100. 1975

025051 99.8 M69
Forests and sites on the Styrian eastern rim of the alps; growth area No. 18 [General aspects]. (Ger) Jelem, H; Kilian, W *Mitt Forstl Bundes-Versuchsanst Wien* 111, 167 P. Ref. Eng. Sum. 1975

025052 99.8 M69
Forests and sites on the Styrian eastern rim of the Alps; growth area no. 18 (supplements). (Ger) Jelem, H; Kilian, W *Mitt Forstl Bundes-Versuchsanst Wien* 111B, (Suppl.), Loose-leaf 1975

025053 99.8 C162
David Kennedy: an appreciation [Foresters]. Thomson, A P *N Z J For* 20 (1): 12-15. 1975

025054 99.8 C162
Integrated farm forestry. Tustin, J R; Knowles, R L *N Z J For* 20 (1): 83-88. 1975

025055 SD111.N45N4
Protection forests of the Wairau catchment. Manson, B R; Guest, R *N Z J For Sci* 5 (2): 123-142. Map. Ref. Aug 1975

025056 1 AG84PRO
Backpacking in the National Forests, a family adventure. U.S. Dept. of Agriculture *PA U S Dep Agric* 585, Slightly Rev., 27 P. July 1975

025057 1 AG84PRO
Outdoor safety tips. U.S. Dept. of Agriculture *PA U S Dep Agric* 887, Slightly Rev., 13 P. July 1975

025058 S293.C6N31
Timber resources and the Banchaonen Dam Development Project. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 17-30. Eng. Sum. 1974

025059 100 M66 (3)
Effect of deicing salts on woody vegetation along Minnesotaroads; final report, 1975 [Injuries]. Sucoff, E; Minnesota Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Minn* 303, 49 P. Ref. 1975

025060 100 M66 (3)
The effect of white-tailed deer and showshoe hare browsing on trees and shrubs in northern Minnesota [Injuries]. Krafting, L W; Minnesota Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Minn* 302, 43 P. Ref. 1975

025061 99.9 B633
Effects of the forest tree shelterbelts on the microclimate and agricultural production of the Bala State Farm. (Tur) Aydemir, H *Tek Bul Ser Ormancil Arastirma Enst Yayin* 68, 58 P. Ref. 1975

025062 99.8 T62
Appearance of bark cracking and process of healing of the cracks caused by low temperatures on trees of Populus X euramericana clone I-214. (Cro) Jovic, D *Topola* 18/19 (103/106): 177-181. Eng. Sum. July 1974/June 1975

025063 290.9 AM32T
Sampling procedures for nitrogen and phosphorus in [watershed] runoff. Burwell, R E; Schuman, G E; Piest, R F; Larson, W E; Alberts, E E *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 912-917. Ref. Sept/Oct 1975

025064 A99.9 F764U
Gain and loss of moisture in large forest [fire] fuels. Brackebusch, A P; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 173, 50 P. 1975

025065 ASD11.A42
An aid to streamlining [forest] fire-weather station networks. Furman, R W; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric* 17, 4 P. Map. Sept 1975

025066 ASD11.A42
Selected bibliography of wildlife and habitats for the Southwest. Patton, D R; Ffolliott, P F; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg* 16, 39 P. Ref. Sept 1975

025067 A99.9 F7625U
Red squirrel response to clearcut and shelterwood systems in interior Alaska. Wolff, J O; Zasada, J C; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 255, 7 P. Map. Ref. Sept 1975

025068 A99.9 F7632US
Avalanche fatalities in the United States, 1950-75. Williams, K; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn* 300, 4 P. Sept 1975

025069 ASD11.A34
Vertebrate animal populations of the McCormick Forest [Michigan]. Robinson, W L; Werner, J K; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 118, 25 P. Map. Ref. 1975

025070 292.9 AM34
Streamflow response to forest cutting and revegetation [Forested watersheds]. Hornbeck, J W *Water Resour Bull* 11 (6): 1257-1260. Dec 1975

025071 292.8 W295
A timber-water simulation model for lodgepole pine [Pinus contorta latifolia] watersheds in the Colorado Rockies. Betters, D R *Water Resour Res* 11 (6): 903-908. Ref. Dec 1975

025072 421 Z1
Forest protection in the Russian SFSR. (Rus) Pavlinov, N P *Zashch Rast* 5: 42-44. May 1975

FOREST MANAGEMENT

025073 1 AG84AH
A financial return program for forestry investments including sensitivity of results to data errors. Goforth, M H; Mills, T J; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 488, 18 P. Ref. Dec 1975

025074 99.8 F762
Let's not gamble with our public forests. Peterson, R W *Am For* 82 (1): 6, 49-52. Jan 1976

025075 99.8 F762
Measuring the world's biggest tree. II. [Sequoia sempervirens, California]. Gilmore, V *Am For* 81 (12): 46-48. Dec 1975

025076 SD1.B71
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao Joao River valley, Rio de Janeiro [National forest resources, conservation]. (Por) Laroche, R C *Bras Flores* 6 (21): 30-33. Ref. Eng. Sum. Jan/Mar 1975

025077 SD1.B71
Preliminary inventory expedited by the Paraopeba Forest Experimentation Station in Minas Gerais. (Por) Thibau, C E; Heiseke, D H; Moura, V P; Lamas, J M; Cesar, R L *Bras Flores* 6 (21): 34-71. Ref. Eng. Sum. Jan/Mar 1975

025078 S5.B8
Organization of a forest data bank in view of its use by computer. (Fre) Rondeux, J *Bull Rech Agron Gembloux* 9 (2): 139-158. Ref. Eng. Sum. 1974

025079 99.9 F7652
Economic analysis of planting kawakami paulownia (Paulowniakawakamii Ito.) in Taiwan [Costs, returns]. (Chi) Liu, S C *Bull Taiwan For Res Inst* 263, 8 P. Eng. Sum. Apr 1975

025080 99.9 F7652
Site and growth of the important bamboo plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the yield tables]. (Chi) Liu, S C; Chao, Y Y *Bull Taiwan For Res Inst* 262, 11 P. Eng. Sum. Mar 1975

025081 100 AL1S (2)
Polymorphic site index curves for natural sweetgum [Liquidambar styraciflua] in Alabama. Lyle, E S Jr; Patterson, R M; Hicks, D R; Bradley, E L; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 220, 7 P. Map. Ref. Oct 1975

025082 275.29 N811
Federal income tax reporting for timber owners. Allgood, J G; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 605, 26 P. Sept 1975

025083 99.9 ER24
Public demands on forests in relation to forest wildlife. Rowe, J J *Erdeszeti Kut* 70 (2): 89-96. Ref. 1974 (Pub. 1975)

025084 SK1.F4
Hunting and forestry: the forestry plan [Bern Canton]. (Ger) Kilchemann, H R *Feld Wald Wasser Schweiz Jagdztg* 4 (1): 32. Jan 1976

025085 331.8 F69
Regions and types of habitats in forestry as basic factors of up-to-date forestry management. (Hun) Szodfridt, I *Foldrajzi Ert* 23 (4): 471-478. Map. Ref. 1974

025086 99.8 F7724
Early history, content and evaluation of the [German] Federal forest law. (Ger) Klose, F *Forst Holzwirt* 30 (20): 379-382. Oct 25, 1975

025087 99.8 F7724
Magnitude of influence of the Central European forestry organizations with special regard to administrative legal, economic and regional aspects. (Ger) Schmithusen, F *Forst Holzwirt* 30 (2): 401-407. Nov 10, 1975

025088 99.8 F7724
National legal regulations on forest economic unions [West Germany]. (Ger) Hasel, K *Forst Holzwirt* 30 (20): 383-385. Oct 25, 1975

025089 99.8 F7724
Recording of work load of forest personnel, methodological problems and recommendations. (Ger) Roeder, A *Forst Holzwirt* 30 (18): 341-342, 344. Ref. Sept 25, 1975

025090 99.8 F7724
Role of the forest and wood industry within the framework of developmental policy of the German Federal Republic. (Ger) Burger, *Forst Holzwirt* 30 (21): 399-401. Nov 10, 1975

025091 99.8 F775
Climatic and vegetational classifications in regional site classification. Considerations from the forest site classification system in Baden-Wurttemberg. (Ger) Schlenker, G *Forstwiss Centralbl* 94 (6): 264-272. Eng. Sum. Nov 1975

025092 1.9 F76AM
The National Forests; National Forest wildernesses and primitive areas. U.S. Forest Service *FS (Am Wood) U S For Serv* 25, Slightly Rev., 12 P. Maps. Aug 1974

025093 1.9 F76AM
What the Forest Service does [Programs]. U.S.; U.S. Forest Service; Forest Service *FS (Am Wood) U S For Serv* 20, Rev., 31 P. Maps. Apr 1975

025094 301.8 G36
The planning of working capital in wood chemistry industry under new conditions of economic operation. (Rus) Bobkova, L A *Gidroliz Lesokhim Prom-st'* 6: 29-30. 1974

025095 S27.A3
Current problems and future goals of forestry in the Great Plains. Roget, E L; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 7 P. 1975

025096 S27.A3
Economics of tree production on farms in the Great Plains. Fischer, L K; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 11 P. 1975

025097 S27.A3
Nebraska's cottonwood [Populus] resource. Jennings, N E; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 3 P. 1975

025098 S27.A3
Team-up, pitch-in and speak-out for tree farming. Zieman, G W; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 15 P. 1975

025099 S27.A3
The American Tree Farm program. Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 29 P. Ref. 1975

025100 S27.A3
"The silent crises" [Forest management]. Marks, R T; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 9 P. 1975

025101 17 SCH9
Forestry in recession. (Ger) Grunig, P *Grune* 103 (46): 20-22. Nov 14, 1975

025102 99.8 IT12
Auxometric investigations on beech groves of the Gargano [Fagus, forest mensuration]. (Ita) Gualdi, V *Ital For Mont* 29 (3): 85-116. Ref. May/June 1974

025103 99.8 IT12
Auxometric investigations on the Turkey oak [Quercus cerris] of the Gargano [Forest mensuration]. (Ita) Guadi, V *Ital For Mont* 29 (4): 121-136. July/Aug 1974

025104 99.8 IT12
Single-entry tables, an important instrument, but a source of serious errors [Forest mensuration]. (Ita) Bernetti, G *Ital For Mont* 29 (3): 81-84. May/June 1974

025105 99.8 IT12
Turnovers correlated with maximum and minimum manual labor [Forest labor, work management]. (Ita) Patrone, G *Ital For Mont* 29 (5): 182-190. Sept/Oct 1974

025106 99.8 IZ8
Economic effectiveness of the application of mineral fertilizers in growing pine stands in Voronezh Region [Costs, returns]. (Rus) Voronin, I V; Baglai, A N *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 140-144. 1975

025107 99.8 IZ8
Volumetric tables of trunks for pine stands in the Briansk Forest Massif. (Rus) Poliakov, V S; Poliakova, A V; Perepechen, I A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 21-24. 1975

025108 99.8 N62
Method of estimating exponent in [forest tree] volume equation with a single variable. I. Theory of two points extimation based on order statistics. (Jpn) Maezawa, K; Taguchi, G *J Jap For Soc* 57 (10): 351-356. Eng. Sum. Oct 1975

025109 410 J272
Studies on the frequency distribution of the weight of individual trees in a forest stand. V. The M-w diagram for various types of forest stands. Hozumi, K *Jap J Ecol* 25 (3): 123-131. Ref. Sept 1975

025110 QH77.G3L3
Land use planning in a resort community, using the community of Menzenschwand in the Black Forest as an example. (Ger) Bartels, J; Duhme, F; Sittard, M *Landschaft & Stadt* 7 (3): 135-143. Map. Eng. Sum. 1975

025111 99.8 L5622
Accuracy in interpreting large-scale aerial photographs of forest stands. (Rus) Rostanovskii, IU E; Tiurin, E G *Lesn Khoz* 10: 72-75. Oct 1975

025112 99.8 L5622
Automation of developing prospective plans in the forestry automated control system. (Rus) Volkov, V D *Lesn Khoz* 11: 38-42. Nov 1975

025113 99.8 L5622
Current planning of forest regeneration operations with the use of the ASPR sub-system [Statistical methods]. (Rus) Pis'mennyi, N R; Bredikhin, M A *Lesn Khoz* 11: 35-38. Nov 1975

025114 99.8 L5622
Economic maturity and ages of cutting areas. (Rus) Chuprov, N P *Lesn Khoz* 10: 24-29. Oct 1975

025115 99.8 L5622
Elements of forest appraisal for forest stands of berries. (Rus) Gedykh, V B *Lesn Khoz* 10: 75-76. Oct 1975

025116 99.8 L5622
Forest management and forestry practice. (Rus) Golovikhin, I V; Novitskii, M N *Lesn Khoz* 10: 69-72. Oct 1975

025117 99.8 L5622
Forest regeneration in the Kama River region in relation to cutting systems. (Rus) Dyrenkov, S A *Lesn Khoz* 11: 19-20. Nov 1975

025118 99.8 L5622
Growth and productivity of pine stands on the Kurshiu Niariia sandbar. (Rus) Repshas, E A; Rodin, A R *Lesn Khoz* 10: 58-63. Oct 1975

025119 99.8 L5622
Growth of the understorey and beech [Fagus] stands of a young age. (Rus) Belenko, G T *Lesn Khoz* 11: 57-59. Nov 1975

025120 99.8 L5622
Growth peculiarities of young stands of spruce in cutover areas. (Rus) Smirnov, N A *Lesn Khoz* 11: 50-53. Nov 1975

025121 99.8 L5622
Important means of intensifying forestry production. (Rus) Nikolaenko, V T; Bessalyi, V G *Lesn Khoz* 10: 17-19. Oct 1975

025122 99.8 L5622
Mathematical model of forecasting inventory of forest stands. (Rus) Grigaliunas, I; Garbinchius, A *Lesn Khoz* 11: 74-76. Nov 1975

025123 99.8 L5622
On the economic evaluation of forest lands in Lithuania. (Rus) Antanaitis, V; Lukoshius, I; Mizaras, S *Lesn Khoz* 10: 29-34. Oct 1975

025124 99.8 L5622
On the use of the Minsk-22 electronic computer in processing forest management data. (Rus) Burnevskii, IU I; Korovin, G N *Lesn Khoz* 11: 72-74. Nov 1975

025125 99.8 L5622
Problems on the automation of the function of forest cadre accounting [Labor]. (Rus) Danusiavichene, P; Skarbalius, R *Lesn Khoz* 11: 42-43. Nov 1975

025126 99.8 L5622
Putting new technology of forest inventory into practice. (Rus) Danilin, A K; Korovin, V A; Neshataev, V V *Lesn Khoz* 11: 67-70. Nov 1975

025127 99.8 L5622
Specialization and concentration of production in forestry operations of Volynia. (Rus) Telishevskii, D A *Lesn Khoz* 10: 20-23. Oct 1975

025128 99.8 L5622
Summarizing the discussion on planning volumes of forest regeneration operations. (Rus) Novosel'tseva, A I *Lesn Khoz* 10: 12-16. Oct 1975

025129 99.8 L5622
Taking into account the productive fruit and berry plants and edible fungi [growing in the forests in their management]. (Rus) Zigangirov, A M *Lesn Khoz* 10: 77-78. Oct 1975

025130 99.8 L5622
Taking into account of high-yielding stands [Forest appraisal]. (Rus) Anishin, P A *Lesn Khoz* 11: 71-72. Nov 1975

025131 99.8 L5622
The significance of spruce undergrowth in the formation of young stands. (Rus) Asanova, V K; Kasimov, V K *Lesn Khoz* 11: 44-47. Nov 1975

025132 99.82 L56
Effectiveness of using new machines for timber harvesting. (Rus) Burdin, N A *Lesn Prom St'* 11: 28. Nov 1975

025133 99.82 L56
Evaluating utilization of working time of equipment of automated production lines [Forest industries]. (Rus) Dudiuk, D L *Lesn Prom St'* 11: 25. Nov 1975

025134 99.82 L56
Improvement cutting and how to increase its profitability. (Rus) Geizler, P S; Nekrasov, M D *Lesn Prom St'* 11: 20-21. Nov 1975

025135 99.82 L56
Key problems of the winter season [Logging]. (Rus) IAgodnikov, IU A *Lesn Prom St'* 10: 4-5. Oct 1975

025136 99.82 L56
Prohibiting the clearing of the forest cutover area by fire. (Rus) Liseev, A S *Lesn Prom St'* 11: 22. Nov 1975

025137 99.82 L56
Rate of selective cutting in Far Eastern pine forests [USSR]. (Rus) Solodukhin, E D *Lesn Prom St'* 11: 13-14. Nov 1975

025138 99.76 P112LA
Conservation and reforestation closely allied to problem of taxation. Allen, E T *Log Handb* 35 (Sect. I): 13-14, 67. 1975

025139 99.76 P112LA
Has your accounting system kept up with changing conditions in logging? [Forest industries]. Wellburn, G V *Log Handb* 35 (Sect. I): 24-25, 94-95. 1975

025140 99.76 P112LA
How to communicate with your legislator [Forest industries]. Shadduck, L *Log Handb* 35 (Sect. I): 8-9, 80, 82. 1975

025141 99.76 P112LA
The forest practice-environmental issue (it's snafu in California again) [Legislation]. Callaghan, J *Log Handb* 35 (Sect. I): 15-16, 136, 138, 140. 1975

025142 99.76 P112LA
The South's third forest—new land of opportunity. Clocksin, D *Log Handb* 35 (Sect. I): 26-27, 107, 110. 1975

025143 99.76 P112LA
Vincent W. Bousquet—he put forestry into logging [Forest Management, United States]. *Log Handb* 35 (Sect. I): 7, 94. 1975

025144 99.8 L93
Metric-unit volume equations for southern pine [Pinus]. Keister, T D; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 116, 4 P. Sept 1975

025145 1 AG84M
A job with the Forest Service; a guide to nonprofessional employment. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 843, Rev., 18 P. Map. Aug 1975

025146 99.8 C162
A proposed policy for indigenous state [New Zealand] forest. Conway, M J *N Z J For* 20 (1): 16-27. 1975

025147 99.8 C162
Forest ethics. Wilkinson, G B *N Z J For* 20 (1): 129-133. Ref. 1975

025148 99.8 C162
Forest management and research in indigenous production forests. Franklin, D A; Beveridge, A E *N Z J For* 20 (1): 63-71. Ref. 1975

025149 99.8 C162
Improving estimates of stand basal area in working plan [forest] inventories. Whyte, A G D; Tennent, R B *N Z J For* 20 (1): 134-147. Ref. 1975

025150 99.8 C162
Management, classification and zoning of New Zealand indigenous forests. Kirkland, A *N Z J For* 20 (1): 28-43. 1975

025151 99.8 C162
The management of Kauri forests: a historical review of government policy and a proposal for the future. Barton, I L *N Z J For* 20 (1): 89-106. Ref. 1975

025152 410 N216
Extension of the area of distribution of Juglans cinerea L. In Quebec. (Fre) Brown, J L *Nat Can* 102 (3): 371-372. May/June 1975

025153 SD15.M4
Continuous forest inventory in the General Administration of the National Forest Inventory (summary of three years of work) [Mexico]. (Spa) Caballero Deloya, M; Castellanos Jarguin, S *Nota INF Mex Dir Gen Inventario Nac For* 2 (29), 18 P. Jan 1975

025154 S13.O2
Improvement cutting in forest shelterbelts. (Rus) Pavlovskii, E S *Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz* 843, 72 P. Ref. 1975

025155 501 L84PB
Kauri [Agathis obtusa] forests in the New Hebrides. Beveridge, A E *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 369-383. Map. Ref. Nov 13, 1975

325.28 P56
Geology and forestry classification from ERTS [Earth Resources Technology Satellite]-1 digital data. Lawrence, R D; Herzog, J H *Photogramm Eng Remote Sensing* 41 (10): 1241-1251. Ref. Oct 1975

025156 AHD28.P8
What audit means to the Chief, Forest Service [U.S. Dept. Of Agriculture]. McGuire, J R; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 7-8. Aug 1975

025157 SD111.W89A4
Dispersed recreation survey in native forests near Perth, western Australia. Spriggins, D *Res Pap For Dep West Aust* 16, 6 P. 1975

025158 A99.9 F7625UN
1974 Oregon timber harvest [Board feet]. Lloyd, J D; U.S. Pacific Northwest Forest and Range Experiment Station *Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)* 63, 2 P. Nov 1975

025159 9.2 C332
Volume table for Eucalyptus grandis [Forest mensuration]. (Por) Paula Neto, F de; Ribeiro, J C; Valente, O F *Rev Ceres* 22 (121): 212-222. Eng. Sum. May/June 1975

025160 99.8 R327
An experiment concerning the inventory efficiency of even-aged stands by means of cluster-samples with 4, 6, 8 and 10 trees. (Rum) Popovici, T; Popescu, O; Hannak, C *Rev Padur* 90 (1): 19-22. Eng. Sum. Jan/Mar 1975

025161 99.8 R327
Branch grading indexes after size in pedunculate oak, sesile oak and beech stands [Quercus, Fagus]. (Rum) Decei, I *Rev Padur* 90 (1): 16-18. Eng. Sum. Jan/Mar 1975

025162 SD1.S952
Is forest assessment of any value? (Swe) Fridell, I *Sver Skogvardsforb Tidskr* 73 (5): 493-497. 1975

025163 SD1.S952
What is the opinion of private forest owners concerning the sale of timber? (Swe) Lonnstedt, L; Ekholm, H *Sver Skogvardsforb Tidskr* 73 (5): 473-492. Eng. Sum. 1975

025164 99.8 T62
Fundaments of the growing areas determination for poplars in Bulgaria. (Cro) Gancev, P; Petrov, M; Fakirov, V *Topola* 18/19 (103/106): 108-112. Map. Eng. Sum. July 1974/June 1975

025165 99.8 T62
The contribution on the study of the early test methodology in poplars. (Cro) Herpka, I *Topola* 18/19 (103/106): 194-200. Eng. Sum. July 1974/June 1975

025166 513 T64
Investigations on productivity of Japanese cypress (Chamaecyparis obtusa) stands. I. Biomass and growth of 28 years-old stands in sorayama. (Jpn) Hikichi, M; Ogasawara, R *Trans Tottori Soc Agric Sci* 27: 108-111. Eng. Sum. Mar 1975

025167 ASD11.A46
Research Natural Area needs in the Pacific Northwest; a contribution to land-use planning. Report on Natural Area Needs Workshop; November 29—December 1, 1973, Wemme, Oregon [Forest ecosystems]. Dyrness, C T; Franklin, J F; Maser, C; Cook, S A; Hall, J D; U.S. Pacific Northwest Forest and Range Experiment Station *U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn* 38, 231 P. Map. 1975

025168 A99.9 F764U
Economic importance of tourism in Montana [Forests]. Polzin, P E; Schweitzer, D L; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 171, 19 P. July 1975

025169 A99.9 F7622UF
The forest-land owners of New Jersey. Kingsley, N P; U.S. Northeastern Forest Experiment Station *U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)* 39, 24 P. 1975

025170 A99.9 F7622UF
The forest-land owners of Delaware [Statistics]. Kingsley, N P; Finley, J C; U.S. Northeastern Forest Experiment Station *U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)* 38, 19 P. 1975

025171 A99.9 F7622U
A test of point-sampling in northern hardwoods. Solomon, D S; U.S. Northeastern Forest Experiment Station *USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)* 215, 2 P. 1975

025172 ASD11.A352
Introduction to uses and interpretation of principal component analysis in forest biology. Isebrands, J G; Crow, T R; U.S. North Central Forest Experiment Station *USDA For Serv Gen Tech Rep NC North Cent For Exp Stn* 17, 19 P. Ref. 1975

025173 A99.9 F7622UN
Uneven-aged management of northern hardwoods in New England. Leak, W B; Filip, S M; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 332, 15 P. Ref. 1975

025174 A99.9 F7625UNI
Field and computer techniques for stem analysis of coniferous forest trees. Herman, F R; DeMars, D J; Woollard, R F; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)* 194, 51 P. Map. Ref. 1975

025175 GB746.W33
Effect of forest management and improvement measures on river runoff. Idzon, P F *Water Resour* 1 (1): 35-54. Map. Ref. Jan/-Feb 1974 (Transl. 1975)

SILVICULTURE

025176 80 N216
Christmas trees from coast to coast. Jones, P H *Am Hortic Mag* 54 (6): 33-35. Winter 1975

025177 SD1.B71
A practical example of tests with species in the Bragantinaregion [lower part of the Amazon area of Brazil) [Tree introduction]. (Por) Albrechtsen, E *Bras Flores* 6 (21): 12-19. Map. Eng. Sum. Jan/Mar 1975

025178 SD1.B71
Aspects of reforestation in Brazil. (Por) Berutti, P A *Bras Flores* Aspectos Do Reflorestamento No Brasil Jan/Mar 1975

025179 100 AL1S (1)
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and wildlife habitat in the hilly Coastal Plain of Alabama. Chen, M Y; Hodgkins, E J; Watson, W J; Alabama Agricultural Experiment Station *Bull Agric Exp Stn Auburn Univ* 473, 19 P. Ref. Sept 1975

025180 99.8 R47
Selection for minimizing spiral grain in Larix leptolepis Gord. (Jpn) Mikami, S; Nagasaka, K *Bull Gov For Exp Stn (Tokyo)* 276: 1-22. Ref. Eng. Sum. Sept 1975

025181 470 C16C
Sexual reproduction of mountain hemlock (Tsuga mertensiana). Owens, J N; Molder, M *Can J Bot* 53 (17): 1811-1826. Ref. Sept 1, 1975

025182 450 SO82
Morphological variability among loblolly [Pinus taeda] and shortleaf [Pinus echinata] pines of east Texas with reference to natural hybridization. Cotton, M H; Hicks, R R Jr; Flake, R H *Castanea* 40 (4): 309-319. Map. Ref. Dec 1975

025183 99.9 ER24
Silvicultural education and research at the University of Forestry and Timber Industry, Sopron. Majer, A *Erdeszeti Kut* 70 (2): 83-84. 1974 (Pub. 1975)

025184 99.9 ER24
Silvicultural research in the Forest Research Institute [Hungary]. Solymos, R *Erdeszeti Kut* 70 (2): 85-88. 1974 (Pub. 1975)

025185 99.9 ER24
Silviculture and environment-protection in Hungary. Madas, A *Erdeszeti Kut* 70 (2): 75-78. 1974 (Pub. 1975)

025186 99.9 ER24
The situation and tasks of preserving genes in the forestry of Hungary [Forest genetics]. (Rus) Bano, I; Matyas, Cs *Erdeszeti Kut* 70 (2): 47-52. Ref. 1974 (Pub. 1975)

025187 99.9 ER24
Yield and improvement experiments of Douglas fir in Hungary [Pseudotsuga menziesii]. Harkai, L *Erdeszeti Kut* 70 (2): 37-46. Map. Ref. 1974 (Pub. 1975)

025188 99.8 F7724
A new method for the chemical purification of hardwood and conifer stands. (Ger) Lanz, W *Forst Holzwirt* 30 (19): 355-356, 358, 360, 362-364. Ref. Oct 10, 1975

025189 99.8 F775
The relation between nutrition state and yield of Scotch pine (Pinus sylvestris L.) in north eastern Bavaria. (Ger) Kreutzer, K; Schmidt, A *Forstwiss Centralbl* 94 (6): 301-310. Ref. Eng. Sum. Nov 1975

025190 S27.A3
A cottonwood [Populus] management program for Kansas. Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 4 P. 1975

025191 S27.A3
Great Plains cottonwood [Populus] research needs. Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 3 P. 1975

025192 S27.A3
Kansas State University forestry research: background and current status [Juglans nigra, Populus]. Deneke, F J; Geyer, W A; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 6 P. 1975

025193 S27.A3
Tree planting trends as indicated by distribution of [forest] species in Great Plains States. Read, R A; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 5 P. 1975

025194 S27.A3
[Forest] tree and shrub species distribution for Great Plains planting (by states and years, 1970-1974). Read, R A comp; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 16 P. 1975

025195 TD881.S6 1974
Air pollution regulations and their effect on forest management [Prescribed burning]. Mobley, H E *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 29-38. 1974

025196 TD881.S6 1974
Particulate source strength determination for low-intensity prescribed fires [Air pollution, forests]. Ward, D E *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 39-54. 1974

025197 99.8 IN2
Determination of pruning times of Ziziyphus xylopyra (Willd.) in Uttar Pradesh. Mehra, B P; Mishra, R C; Sen, P; Gokulpure, R S; Maurya, R C *Indian For* 101 (11): 681-688. Ref. Nov 1975

025198 442.9 AK124
Maple [Acer] species introduced into Turkmenistan. (Rus) Musina, R S *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 23-29. Eng. Sum. 1975

025199 99.8 IZ8
Dynamics of natural forest regeneration relative to shelterwood and group-selective cutting. (Rus) Markov, V V; Rumiantsev, G T; Kolpikova, N M; Babak, T A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 24-28. 1975

025200 99.8 IZ8
Means of reducing damage to seeds due to mechanical processing [Forest trees]. (Rus) Baranov, A I; Zemlianukhin, A I; Malofeeva, M A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 14-18. 1975

025201 99.8 IZ8
On the effect of seed origin on growth of pines in the Uralfoothills. (Rus) Vidiakin, A I; Khasanov, N Kh *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 160-162. 1975

025202 99.8 N62
Annual changes in heritability values of young sugi [Cryptomeria] seedlings. (Jpn) Akasi, T *J Jap For Soc* 57 (9): 311-317. Eng. Sum. Sept 1975

025203 99.8 N62
Studies on the weed [Sasa paniculata]-vegetation at the early stage of reforestation. I. Vegetable transition on Cryptomeria japonica forests planted in every year. (Jpn) Higuchi, K; Sato, S; Kato, R; Shimoda, H *J Jap For Soc* 57 (10): 346-350. Eng. Sum. Oct 1975

025204 99.8 L5622
A new procedure for strengthening and reforestation of technogenic sands. (Rus) Leont'ev, A A; Sabirov, M K; Kim, V I *Lesn Khoz* 10: 57-58. Oct 1975

99.8 L5622
Complex mechanization of operations in culture of spruce seedlings. (Rus) Klimov, G B *Lesn Khoz* 10: 83-86. Oct 1975

025205 99.8 L5622
Establishing forest stands in the taiga zone [Silviculture]. (Rus) Maslakov, E L *Lesn Khoz* 11: 17-19. Nov 1975

025206 99.8 L5622
Evaluating the effectiveness of silviculture. (Rus) Prokop'ev, M N *Lesn Khoz* 11: 23-25. Nov 1975

025207 99.8 L5622
Forest regeneration in a heavily-forested area. (Rus) Flerov, B A *Lesn Khoz* 11: 14-15. Nov 1975

025208 99.8 L5622
Increasing the efficiency of growing planting stock in forest nurseries. (Rus) Sokolova, N F *Lesn Khoz* 10: 34-36. Oct 1975

025209 99.8 L5622
Means of assuring forest regeneration in the Urals. (Rus) Luganskii, N A; Isaeva, R P; Velikzhanin, P I *Lesn Khoz* 11: 21-23. Nov 1975

025210 99.8 L5622
On forest regeneration in the State Forest Reserves of Perm province. (Rus) Shimkevich, V A *Lesn Khoz* 11: 15-16. Nov 1975

025211 99.8 L5622
On growing planting stock in the forest nurseries of Karelia [Silviculture]. (Rus) Sin'kevich, M S; Mordas', A A *Lesn Khoz* 11: 28-30. Nov 1975

025212 99.8 L5622
Primary directions in the reproduction of forest resources in the USSR [Reforestation, silviculture]. (Rus) Kulakov, K F *Lesn Khoz* 11: 11-13. Nov 1975

025213 99.8 L5622
Reforestation of the sandy regions of the Terek-Kuma and Astrakhan. (Rus) Kulik, N F; Ziuz', N S *Lesn Khoz* 10: 54-56. Oct 1975

025214 99.8 L5622
Spacing of undergrowth as an indicator of potential success of forest regeneration in cutover areas. (Rus) Martynov, A N; Shutov, I V *Lesn Khoz* 11: 47-50. Nov 1975

025215 99.8 L5622
System of mixing tree species in reforestation of ravine-gully lands [Soil erosion control]. (Rus) Terebukha, I P *Lesn Khoz* 11: 60-61. Nov 1975

025216 99.8 L5622
The ML-1 forest planting machine. (Rus) Mitrofanov, A S; Shubin, V A; Povarov, A A *Lesn Khoz* 11: 83-85. Nov 1975

S13.M4
Recultivation of ash deposits [Land reclamation, afforestation]. (Cze) Maly, V; Spirik, F *Metod Zavad Vysled Vyzk Praxe* 13/14, 55 P. Ref. 1975

025217 99.8 C162
A review of Douglas fir [Pseudotsuga menziesii] in New Zealand. James, R N *N Z J For* 20 (1): 107-128. 1975

025218 99.8 C162
Forestry production and planting targets. O'Neill, G M *N Z J For* 20 (1): 72-82. 1975

025219 99.8 C162
Is coast redwood [Sequoia sempervirens] an answer to the Mangatu problem? [Silviculture]. Burdon, R D *N Z J For* 20 (1): 148-152. 1975

025220 SD111.N45N4
Compression wood in Pinus radiata clones on four different sites [Influence of genotype]. Burdon, R D *N Z J For Sci* 5 (2): 152-164. Ref. Aug 1975

025221 SD111.N45N4
General and specific combining ability in eight selected clones of [Pinus] radiata pine. Wilcox, M D; Shelbourne, C J A; Firth, A *N Z J For Sci* 5 (2): 219-225. Aug 1975

025222 SD111.N45N4
Selective pruning of [Pinus] radiata pine. Sutton, W R J; Crowe, J B *N Z J For Sci* 5 (2): 171-195. Ref. Aug 1975

025223 410 N216
Thinning in a maple [Acer]-beech [Fagus] stand in view of producing yellow birch [Betula alleghaniensis] wood. (Fre) Roberge, M R *Nat Can* 102 (3): 353-361. Ref. Eng. Sum. May/June 1975

025224 99.81 N812
Container grown seedling operation in Maine [Forest]. Turner, B *North Log Timber Process* 24 (4): 8-9. Oct 1975

025225 13 R322
The grafting of conifers. (Fre) Meneve, I; Istas, W *Rev Agric (Brux)* 28 (4): 829-844. Eng. Sum. July/Aug 1975

025226 99.8 R327
Contributions to topological study of chestnut [Castanea] stands on the hill piedmonts of Baia Mare. (Rum) Bolea, V *Rev Padur* 90 (1): 10-12. Jan/Mar 1975

025227 99.8 R327
Drought effects from the 7314 1973 on softwood plantations on eroded terrains at Chela-Macin in the north of Dobrudja silvo steppe. (Rum) Traci, C *Rev Padur* 90 (1): 25-30. Jan/Mar 1975

025228 99.8 R327
Dynamics of softwood introduction in the stands from Alba district. (Rum) Craciun, G; Pantis, I *Rev Padur* 90 (1): 13-15. Jan/Mar 1975

025229 99.8 R327
Forest plantations on some eroded surfaces from agricultural lands. (Rum) Nastase, G *Rev Padur* 90 (1): 49-50. Jan/Mar 1975

025230 99.8 R327
Necessary conditions for assuring success of afforestation in Danube delta at St. Gheorghe. (Rum) Ceuca, G *Rev Padur* 90 (1): 22-25. Map. Jan/Mar 1975

025231 99.8 R327
On fructification of blue Douglas fir [Pseudotsuga glauca] in forest-ranger district Perisor-Dolj. (Rum) Tanasescu, S; Giurca, G *Rev Padur* 90 (1): 15-16. Jan/Mar 1975

025232 99.8 R327
Orientations and trends in modern silviculture concerning the choice and application of treatments in the light of forest functions. (Rum) Purcelean, S *Rev Padur* 90 (1): 46-49. Ref. Jan/Mar 1975

025233 99.8 R327
Population genetical structure and the interaction genotype X environment as productivity factors of forest ecosystems. (Rum) Enescu, V *Rev Padur* 90 (1): 7-9. Jan/Mar 1975

025234 99.8 R327
Some recommendations concerning the walnut tree [Juglans] in our country. (Rum) Colpacci, G *Rev Padur* 90 (1): 50-51. Jan/-Mar 1975

025235 SD1.S89
Previous results and prospects of interspecific hybridization in forest tree breeding (review). (Cze) Sinelarov, J *Stud Inf, Lesn* 3, 83 P. Ref. Eng. Sum. 1974

025236 68.19 M28
Pitsunda pine [Pinus pithyusa Stev.]. (Rus) Mgaloblishvili, S V; Nikolaishvili, R V *Subtrop Kul't* 1: 96-98. 1975

025237 SD1.S952
Ecological effects of timber clearng [Pinus, Picea]. (Swe) Soderstrom, V *Sver Skogvardsforb Tidskr* 73 (5): 443-472. Ref. Eng. Sum. 1975

025238 SD1.S952
Propagation of Scots pine [Pinus sylvestris] by cuttings [with an extract from Populus tremula and Populus tremuloides]. (Swe) Stromquist, L H *Sver Skogvardsforb Tidskr* 73 (5): 427-432. Eng. Sum. 1975

SD1.S952
The flowering biology of Norway spruce [Picea abies]—an obstacle to a rational program for tree breeding? (Swe) Eriksson, G; Lindgren, K; Werner, M *Sver Skogvardsforb Tidskr* 73 (5): 413-426. Eng. Sum. 1975

025239 99.9 B633
Studies on the grafting technique of Pinus brutia. (Tur) Iktueren, S *Tek Bul Ser Ormancil Arastirma Enst Yayin* 75, 31 P. Ref. Eng. Sum. 1975

025240 99.9 B633
The experimentation to stabilize the appropriate sowing density of Alnus barbata in nursery. (Tur) Eyuboglu, A K *Tek Bul Ser Ormancil Arastirma Enst Yayin* 74, 11 P. Eng. Sum. 1975

025241 41.8 T31
Chylothorax [in dogs, thoracic duct]. Hobson, H P *Tex Vet Med J* 37 (6): 14-15. Nov/-Dec 1975

025242 99.8 T62
About the cultivation of poplar and willows [Salix] in Romania. (Cro) Zurma, T *Topola* 18/19 (103/106): 63-71. Eng. Sum. July 1974/June 1975

025243 99.8 T62
Certain problems of poplar seedlings cultivation in conditions of the mountainous forest zone of Mongolia. (Cro) Avarezd, R *Topola* 18/19 (103/106): 113-115. Eng. Sum. July 1974/June 1975

025244 99.8 T62
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of clone I-214 [Populus euramericana]. (Cro) Markovic, J *Topola* 18/19 (103/106): 135-150. Eng. Sum. July 1974/June 1975

025245 99.8 T62
Directions and perspectives of poplar cultivation in Poland. (Cro) Hejmanowski, S *Topola* 18/19 (103/106): 29-32. Eng. Sum. July 1974/June 1975

025246 99.8 T62
Multiplication and cultivation of poplar in the Soviet Union. (Cro) Ivanikov, S P *Topola* 18/19 (103/106): 79-85. Eng. Sum. July 1974/June 1975

025247 99.8 T62
One example of the comparative development of the clone of Populus euramericana I-214 on the alluvial soil of the Vardar in the valley of Skopje. (Cro) Dzekov, S *Topola* 18/19 (103/106): 117-121. Eng. Sum. July 1974/June 1975

025248 99.8 T62
Poplar cultivation in Hungary. (Cro) Keresztesi, B *Topola* 18/19 (103/106): 21-24. Eng. Sum. July 1974/June 1975

025249 99.8 T62
Poplar hybridization of the section Leuce. (Cro) Gancev, P *Topola* 18/19 (103/106): 89-94. Ref. Eng. Sum. July 1974/June 1975

025250 99.8 T62
Research results on the crop-tree clonal test study [Populus euramericana]. (Cro) Herpka, I; Markovic, J *Topola* 18/19 (103/106): 183-193. Eng. Sum. July 1974/June 1975

025251 99.8 T62
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar experimental plantation of Veliko Polje. (Cro) Jovic, D; Vasung, V *Topola* 18/19 (103/106): 129-134. Eng. Sum. July 1974/June 1975

025252 ASD11.A48
An attempt (and failure) to correlate duff removal and slash fire heat [Broadcast burning, Pseudotsuga menziesii, Larix]. Albini, F A; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 24, 16 P. Aug 1975

A99.9 F764U
Deterioration of aspen [Populus tremuloides] clones in the middle Rocky Mountains [Regeneration]. Schier, G A; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 170, 14 P. Ref. July 1975

025253 A99.9 F7623U
How to keep one-third of Georgia in pine [Pinus, rotation]. Boyce, S G; McClure, J P; U.S. Southeastern Forest Experiment Station *U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn* 144, 23 P. Maps. Eng. Sum. Nov 1975

025254 A99.9 F7622U
An improved apparatus for pressure-injecting fluid into trees. Gregory, G F; Jones, T W; U.S. Northeastern Forest Experiment Station *USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)* 214, 6 P. 1975

025255 ASD11.U56
Interim guide to regeneration of Allegheny hardwoods. Marquis, D A; Grisez, T J; Bjorkbom, J C; Roach, B A; U.S. Northeastern Forest Experiment Station *USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)* 19, 14 P. Ref. 1975

025256 A99.9 F7625U
Graft incompatibility in Pinus contorta. Copes, D L; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 260, 9 P. Oct 1975

025257 A99.9 F7625U
Using motion pictures for data collection on prescribed burning experiments. Pickford, S G; Sandberg, D V; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 259, 7 P. Sept 1975

025258 A99.9 F7623UN
The native vegetation in south Florida related to month of [prescribed] burning [Pinus]. Hughes, R H; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 222, 8 P. Ref. June 1975

025259 A99.9 F7623UN
Virginia pine [Pinus virginiana] as a Christmas tree. Belanger, R P; Bramlett, D L; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 223, 4 P. July 1975

025260 ASD11.A34
Crown release accelerates diameter growth and crown development of yellow birch [Betula alleghaniensis] saplings. Erdman, G G; Godman, R M; Oberg, R R; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 117, 9 P. 1975

025261 ASD11.A34
Pruning pin oak [Quercus palustris] in southeastern Missouri. McQuilkin, R A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 121, 5 P. 1975

025262 A99.9 F7622UN
Stump sprout growth and quality of several Appalachian hardwood species after clear-cutting. Wendel, G W; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 329, 9 P. 1975

025263 A99.9 F7632U
Development of some young aspen [Populus tremuloides] stands in Arizona. Jones, J R; Trujillo, D P; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn* 151, 11 P. Ref. Aug 1975

025264 A99.9 F7623U
Fifteenth-year results from progeny tests of slash pine [Pinus elliottii]. Sluder, E R; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Pap SE U S Southeast For Exp Stn* 140, 15 P. Ref. Oct 1975

FOREST INDUSTRIES

451 SO16
Longitudinal shrinkage of compression wood [of Pinus silvestris] in dependence on water content and cell wall structure. Wloch, W *Acta Soc Bot Pol* 44 (2): 217-229. Ref. 1975

025265 1 AG84AH
New life for old [wood-frame] dwellings; appraisal and rehabilitation. Sherwood, G E; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 481, 99 P. Maps. Dec 1975

025266 241.4 AP5
Coating equipment and processes [Paper]. Weiner, J *Bibliogr Ser Inst Pap Chem* 200 (Suppl. 2), 162 P. 1975

025267 241.4 AP5
Retention of fillers by papermaking fibers. Pollock, V; Weiner, J *Bibliogr Ser Inst Pap Chem* 186 (Suppl. 3), Ed. 2, 57 P. 1975

025268 241.4 AP5
Sheet forming on paper machines. II. Fiber retention and sheet formation. Weiner, J; Pollock, V *Bibliogr Ser Inst Pap Chem* 247 (Suppl. 1), 105 P. 1975

025269 241.4 AP5
Wet pressing [Paper manufacture]. Louden, L; Weiner, J *Bibliogr Ser Inst Pap Chem* 249 (Suppl. 1), 151 P. 1975

025270 241.4 AP5
Wood waste [utilization]. Pollock, V; Weiner, J *Bibliogr Ser Inst Pap Chem* 204 (Suppl. 2), 133 P. 1975

025271 107.6 K114B
Studies on the high-yield pulping of tropical woods. I. On the neutral sulfite semi chemical pulping. (Jpn) Kitagawa, K; Kanasaki, Y *Bull Fac Agric Kagoshima Univ* 25: 57-63. Ref. Eng. Sum. Mar 1975

025272 99.8 R47
Anatomical characters and identification of tropical woods. I. Elaeocarpus and Sloanea (Elaeocarpaceae). Ogata, K *Bull Gov For Exp Stn (Tokyo)* 276: 63-75. Ref. Sept 1975

025273 99.8 R47
Studies on the resin sheet overlay. 12. Results of nine years outdoor weathering of resin sheet overlaid plywood. (Jpn) Matsumoto, T *Bull Gov For Exp Stn (Tokyo)* 276: 43-62. Ref. Eng. Sum. Sept 1975

025274 99.8 R47
The pulping of woods with barks. I. The cleaning of mixed stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. (Jpn) Takano, I *Bull Gov For Exp Stn (Tokyo)* 276: 31-42. Eng. Sum. Sept 1975

025275 99.9 F7652
Test on important physical and mechanical strength properties of hardwoods in Taiwan. 2. (Chi) Ma, T P; Chu, C C *Bull Taiwan For Res Inst* 265, 11 P. Ref. Eng. Sum. June 1975

025276 14 C112
Main agents of biological alterations of building timber. Preventive and curative treatments. (Fre) Maffre, M *Cah Ing Agron* 300: 21-29. Nov 1975

025277 QD241.K453
Phenolic acids of the bark of Pinus silvestris, Pinus sibirica, and Pinus abies nephrolepis. Tyukavkina, N A; Gromova, A S; Lutskii, V I; Chubarova, I S *Chem Nat Compd* 10 (1): 71-72. Jan/Feb 1974 (Transl. 1975)

025278 QD241.K453
Some flavanones and flavanonols of the heartwood of Larix dahurica. Lapteva, K I; Lutskii, V I; Tyukavkina, N A *Chem Nat Compd* 10 (1): 102-103. Jan/Feb 1974 (Transl. 1975)

025279 475 SCI23
Variation in decay resistance of Betula pubescens Ehrh. Against Polyporus versicolor. Sundarasiva Rao, B; Vijendra Rao, R *Curr Sci* 44 (23): 864-865. Ref. Dec 5, 1975

025280 58.8 T677
Basic principles of wood processing. (Ger) Eder, G *DLZ (Die Landtech Z)* 26 (6): 417-419. June 1975

025281 99.9 ER24
Wood production from Juglans nigra. (Rus) Palotas, F *Erdeszeti Kut* 70 (2): 23-35. 1974 (Pub. 1975)

025282 99.8 ER22
Main objectives of industrial wood processing in the next planning period. (Hun) Madas, A *Erdo* 24 (10): 468-476. Eng. Sum. Oct 1975

025283 99.8 ER22
The first experiences in diagnosing forest power machines. (Hun) Ballo, G; Vadkerti, Z; Vida, Z *Erdo* 24 (10): 477-480. Oct 1975

QP501.E8
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. Streamer, M; Eriksson, K E; Pettersson, B *Eur J Biochem* 59 (2): 607-613. Ref. Nov 1975

025284 275.29 M58B
For wood products firms: the use of financial indicators. Huber, H A; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 770, 8 P. Apr 1975

025285 1 EX892EX
Log cabin building, an Alaskan art. Smith, J A; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 14-15. Sept/Oct 1975

025286 99.82 F14
Ammonia treatment of wood. I. Changes in wood characteristics. (Hun) Arato, I *Faipar* 25 (9): 274-281. Ref. Sept 1975

025287 99.82 F14
Bases of modern frame structures from native material [Hungary]. (Hun) Wittmann, Gy; Pluzsik, A *Faipar* 25 (8): 232-237. Aug 1975

025288 99.82 F14
Error detections at tool prearation band sawing machines for logs operated in sawmill. (Hun) Zemba, T *Faipar* 25 (9): 269-273. Sept 1975

025289 99.82 F14
The application of transport systems in the tree industry. (Hun) Szabo, D *Faipar* 25 (8): 246-250. Aug 1975

025290 99.82 F14
The drying [of wood] through condensation and it's application. (Hun) Petri, L *Faipar* 25 (8): 225-231. Aug 1975

025291 99.82 F14
The use of polyvinyl chloride foil during surface processing of particle boards. (Hun) Takats, P *Faipar* 25 (8): 238-246. Aug 1975

025292 99.82 F14
Usability of white willow (Salix alba L.) for industrial purposes. (Hun) Szalay, L *Faipar* 25 (9): 282-286. Sept 1975

025293 99.8 F713
Studies on the determination of the solid volume of a pulpwood pile. Crooked broad-leaved pulpwood, large-sozed pulpwood and coniferous [Beutla] pulpwood of approximate length. (Fin) Heiskanen, V; Salmi, J *Folia For* 236, 29 P. Ref. Eng. Sum. 1975

025294 99.8 F7724
On "Marking the wood harvest". (Ger) Gurth, P *Forst Holzwirt* 30 (19): 364-365. Oct 10, 1975

025295 99.8 F7724
Roll bark production in Hunsruck. (Ger) Geisler, G *Forst Holzwirt* 30 (21): 407-409. Nov 10, 1975

025296 99.8 F775
Investigations on the timber quality of silver fir [Abies] and Norway spruce [Picea abies] from selection stands. (Ger) Pechmann, H von; Lippemeier, P *Forstwiss Centralbl* 94 (6): 351-364. Ref. Eng. Sum. Nov 1975

025297 301.8 G36
Automatic and program control of the process of [wood] hydrolisis. (Rus) Lipatnikov, V I *Gidroliz Lesokhim Prom-st'* 7: 27. 1974

025298 301.8 G36
Balance and dynamics of distribution of extractive resins during the process of sulfate cellulose boiling. (Rus) Biliuba, T S; Bogdanova, E V *Gidroliz Lesokhim Prom-st'* 1: 14-16. 1975

025299 301.8 G36
Clarification of extracted colophony by moistened furfurol. (Rus) Bardyshev, I I; Manukov, E N; Zen'ko, R I; IUr'evich, S A *Gidroliz Lesokhim Prom-st'* 7: 14-16. 1974

025300 301.8 G36
Colloidal lignin and the method of detecting it in hydrolysis wastes. (Rus) Arbuzov, V V; Boldyrev, P G; Chuiko, A V *Gidroliz Lesokhim Prom-st'* 5: 5-6. 1975

025301 301.8 G36
Composition of beta-sitosterol extracted from tall [oil] products. (Rus) Evstigneev, E I; Nekrasova, V B; Piialkin, V N *Gidroliz Lesokhim Prom-st'* 3: 15-16. 1975

025302 301.8 G36
Coulometric determination of organic substances in the concentrates of spent liquor from [wood].spirit production. (Rus) Basov, V N; Testoedov, T N; Vikharev, B G *Gidroliz Lesokhim Prom-st'* 4: 10-11. 1974

025303 301.8 G36
Determination of resin content of fresh pine stumps on the basis of one cross-cut. (Rus) Novoselov, IU M; Sannikov, IU G *Gidroliz Lesokhim Prom-st'* 8: 14-16. 1974

025304 301.8 G36
Determination of neutral substances in tall products [Oils, fatty acids, colophony]. (Rus) Kosiukova, L V; Maslennikov, A S; Konopleva, N R *Gidroliz Lesokhim Prom-st'* 5: 12-13. 1975

025305 301.8 G36
Effect of double stimulation in the receiverless method of extraction of native turpentine. (Rus) Kolosenkova, A V *Gidroliz Lesokhim Prom-st'* 6: 10. 1974

025306 301.8 G36
Effect of temperature on the process of extraction of products of pre-hydrolysis from chip cellolignin. (Rus) Glazkova, E L; Kunina, A I *Gidroliz Lesokhim Prom-st'* 6: 12-13. 1974

025307 301.8 G36
Effect of water-soluble substances of hydrolyzed lignin on the properties of the pressed products. (Rus) Arbuzov, V V *Gidroliz Lesokhim Prom-st'* 2: 11-12. 1975

025308 301.8 G36
Gas chromatographic determination of pentosans in plant raw material [Wood]. (Rus) Livshits, O D; Mazepa, M I; Sibiriakova, L G *Gidroliz Lesokhim Prom-st'* 4: 8-10. 1974

025309 301.8 G36
Improvement of the battery-dephlegmating method of extraction [of colophony]. (Rus) Lisov, V I; Slastnikov, I I; Efremov, A I *Gidroliz Lesokhim Prom-st'* 6: 18-20. 1974

025310 301.8 G36
Isomerization of resin turpentine without pinene on a titanium catalyzer in the liquid phase. (Rus) Meteshkina, L P; Goriunova, T G; Vyrodov, V A *Gidroliz Lesokhim Prom-st'* 1: 22-24. 1975

025311 301.8 G36
Mastering the production of rectified top grade alcohol [from wood]. (Rus) Krivtsova, A I; Krasavina, E P; Ogrel', S M; Solov'ev, I N; Merzlikin, S A *Gidroliz Lesokhim Prom-st'* 8: 22-25. 1974

025312 301.8 G36
Mathematical description of the process of filtration during vertical percolation [Wood hydrolisis]. (Rus) Ermolov, B V; Persiantsev, G V; Sapotnitskii, E S; Skachkov, V M *Gidroliz Lesokhim Prom-st'* 6: 3-4. 1974

025313 301.8 G36
Mechanical-chemical destruction of polysaccharides of cellolignin in the presence of phosphoric acid [Wood hydrolisis]. (Rus) Uskov, IU N; Chalov, N V *Gidroliz Lesokhim Prom-st'* 7: 5-6. 1974

025314 301.8 G36
Methods of investigating the carbohydrate fraction of sulfite alkalis [Wood pulp processing]. (Rus) Pisarevskaia, E A; Romanenko, Zh K; Boiarskaia, R K *Gidroliz Lesokhim Prom-st'* 3: 9-10. Ref. 1975

025315 301.8 G36
Modification of content of volatile admixtures in hydrolysates during their processing [Terpenes, furfurol]. (Rus) Glushchenko, N V; Kostenko, V G *Gidroliz Lesokhim Prom-st'* 5: 3-5. 1975

025316 301.8 G36
Modified flotation method of determining alcohol in water solutions containing admixtures [Wood hydrolysis]. (Rus) Morozova, S F; Rumiantseva, V A; Soboleva, G A; Vyrodova, L P *Gidroliz Lesokhim Prom-st'* 4: 15-17. 1974

025317 301.8 G36
New [pneumatic] tree facer for resin tapping using sulfite-yeast [as stimulator]. (Rus) Krylov, N I; Shichev, V N *Gidroliz Lesokhim Prom-st'* 4: 28-30. 1974

025318 301.8 G36
Periodical extraction of furfurol with trichloroethylene from water solutions [Wood hydrolisis]. (Rus) Ruchai, N S; Reshto, IU I; Epshtein, IA V *Gidroliz Lesokhim Prom-st'* 6: 10-12. 1974

025319 301.8 G36
Potential content of the antioxidant in the resin oils produced by the Ashinskii [wood processing] establishment. (Rus) Foliadova, Z I; Korotova, O N; Kiprianov, A I *Gidroliz Lesokhim Prom-st'* 4: 7. 1974

301.8 G36
Potentiometric determination of nitrogen in fluids produced by hydrolysis. (Rus) Morozova, S F; Minina, T S; Vyrodova, L P *Gidroliz Lesokhim Prom-st'* 5: 10-11. 1975

025320 301.8 G36
Production of charcoal briquettes at the Siavskii wood chemistry mill. (Rus) Kulagin, E P; Kislitsyn, A N; Morozov, M F; Medvedev, E M; Khokhlin, I F; Murakhver, V I *Gidroliz Lesokhim Prom-st'* 6: 26. 1974

025321 301.8 G36
Production of furfural and furan compounds [using wood pulp and cereal lignin] in foreign countries. (Rus) Ushakova, G A; Levitin, B M *Gidroliz Lesokhim Prom-st'* 2: 31-32. Ref. 1975

025322 301.8 G36
Production of fuel briquets from hydrolyzed lignin. (Rus) Cholev, I P; Stefanov, I G; Pandev, P Shch; Pandokhov, A D; Stoichev, S G; Videv, V Zh; Andreev, M B; Zlatev, M Z *Gidroliz Lesokhim Prom-st'* 3: 28-29. 1975

025323 301.8 G36
Production of noncrystallizing modified colophony for electrotechnical industry. (Rus) Belov, V P *Gidroliz Lesokhim Prom-st'* 6: 25. 1974

025324 301.8 G36
Pyrolysis of hydrolyzed lignin in plasma at low temperature. (Rus) Zaitsev, V M; Piialkin, V N; Tsyganov, E A *Gidroliz Lesokhim Prom-st'* 3: 10-12. 1975

025325 301.8 G36
Recovery of sulfite alkalis from boiling cellulose with acid on a mixed base. (Rus) Oborina, L M *Gidroliz Lesokhim Prom-st'* 3: 24-25. 1975

025326 301.8 G36
Refractometry of [wood] hydrolyzate. (Rus) Riazentsev, N V; Svedentsov, L M *Gidroliz Lesokhim Prom-st'* 8: 8-9. 1974

025327 301.8 G36
Scheme of a system for the production of strengthened glue with continuous topping of turpentine. (Rus) Kalnin'sh, A IA; Zandersons, IA G; Svikle, D IA; Kul'kevits, A IA; Shvinska, D F; Putnis, E O; Prokopenko, V N; Litarov, IA I; Koroleva, M E *Gidroliz Lesokhim Prom-st'* 6: 22-24. 1974

025328 301.8 G36
Semiconductor properties of ammoniated lignin. (Rus) Kazarnovskii, A M; Chudakov, M I *Gidroliz Lesokhim Prom-st'* 1: 9-10. 1975

025329 301.8 G36
Study of lyes of bisulfite boilings [of wood]. (Rus) Grinchenko, L S; Matveenkova, L A *Gidroliz Lesokhim Prom-st'* 8: 16-17. 1974

025330 301.8 G36
Study of new woody species as raw material for the hydrolisis industry. (Rus) Krestan, E Sh; Ul'ianovskaia, R I; Varshavskaia, K N; Miroshnichenko, V G; Savchenko, L F *Gidroliz Lesokhim Prom-st'* 7: 7-10. 1974

025331 301.8 G36
Study of resin content and group composition of resinuous substances in sulfate cellulose production. (Rus) Filippov, B S; Bogomolov, B D; Mariev, A A *Gidroliz Lesokhim Prom-st'* 1: 13-14. 1975

025332 301.8 G36
Study of the composition of monosaccharides in sulphite media by the method of paper chromatography [Wood hydrolisis]. (Rus) Ashikhmina, G P; Oshchepkova, E P *Gidroliz Lesokhim Prom-st'* 7: 7. 1974

025333 301.8 G36
Study of the mechanism of low-temperature oxidation of wood charcoal in air. (Rus) Zav'ialov, A N *Gidroliz Lesokhim Prom-st'* 5: 14-16. 1975

025334 301.8 G36
Study of the supermolecular structure of wood and cotton cellulose by the method of alcoholysis in higher alcohols. (Rus) Fedorov, A L *Gidroliz Lesokhim Prom-st'* 8: 10-12. 1974

025335 301.8 G36
Study of the tall fatty acids as a raw material for the synthesis of plasticizers-stabilizers [Epoxidized ethers]. (Rus) Merzlikina, V P; Kutsenko, A I; Bolotina, L M; Abramova, R A *Gidroliz Lesokhim Prom-st'* 8: 7-8. 1974

025336 301.8 G36
Substances having an opalescent effect on [wood] vinegar acid. (Rus) Maslennikov, A S; Tabachkova, T P; Druskina, E Z; Volkova, E P *Gidroliz Lesokhim Prom-st'* 4: 4-5. 1974

025337 301.8 G36
Technical progress in the field of resin tapping from forest trees. (Rus) Drochnev, IA G *Gidroliz Lesokhim Prom-st'* 5: 1-3. 1975

025338 301.8 G36
Tests of screw conveyor press for forming hydrolyzed lignin. (Rus) Akhmina, E I; Sherementova, Z I; Shlinichenko, V P; Sukhanovskii, S I; Kraskin, A IA; Shekhanova, M A; Makovetskii, V A; Kalinkin, D A *Gidroliz Lesokhim Prom-st'* 1: 19-22. 1975

025339 301.8 G36
The composition of black acid [a semiproduct of processing pyroligenous distillate] from wood chemistry enterprises. (Rus) Shaburov, M A; Pilipenko, I I; Perinykh, M S *Gidroliz Lesokhim Prom-st'* 7: 17. 1974

025340 301.8 G36
The content of colophony in fresh [pine] stump wood. (Rus) Novoselov, IU M; Sannikov, IU G; Slobodin, G S *Gidroliz Lesokhim Prom-st'* 4: 26-27. 1974

025341 301.8 G36
The effect of accompanying admixtures on the oxidation rate of n-cymene from wood chemical processing. (Rus) Kolchin, G A; Churkin, IU V; Kharlampovich, G D *Gidroliz Lesokhim Prom-st'* 4: 5-6. 1974

025342 301.8 G36
The effect of neutral substances on the properties of colophony. (Rus) Bardyshev, I I; Shliashinskii, R G; Kazushchik, V G *Gidroliz Lesokhim Prom-st'* 4: 14-15. 1974

025343 301.8 G36
The effectiveness of resin tapping using new [chemical] stimulants in the Central Urals. (Rus) Kirov, A M; Kulikov, I M *Gidroliz Lesokhim Prom-st'* 4: 27-28. 1974

025344 301.8 G36
The improvement of the quality of tall fatty acids and colophony in operating installations [Wood pulp and paper mills]. (Rus) Trofimov, A N; Bocharnikov, E V; Uzlov, G A; Toburdanovskaia, L A; Koshkin, V D *Gidroliz Lesokhim Prom-st'* 7: 28-29. 1974

025345 301.8 G36
The increase of the effectiveness of directional crystallization of gypsum [from wood hydrolisis]. (Rus) Oreshonok, Z P; Shamova, A P; Kudimova, A Kh; Kurmozova, N V *Gidroliz Lesokhim Prom-st'* 6: 27-28. 1974

025346 301.8 G36
The kinetics of drying hydrochloric acid hydrolizate mass with air [Wood hydrolisis]. (Rus) Marone, I IA; Zaitseva, G I; Stepchenkova, L U; Kozlova, E A; Smirnova, N L; Stukalina, O M *Gidroliz Lesokhim Prom-st'* 7: 21-22. 1974

025347 301.8 G36
The kinetics of isomerization of delta 3-karene in the presence of a titanium catalyst. (Rus) Vyrodov, V A; Meteshkina, L P; Goriunova, T G *Gidroliz Lesokhim Prom-st'* 7: 30-31. 1974

025348 301.8 G36
The methodology of optimization of technological processes of wood chemical industry. (Rus) Staviskii, E S; Levin, E D *Gidroliz Lesokhim Prom-st'* 7: 18-19. 1974

025349 301.8 G36
The paramagnetic properties of settled wood tar. (Rus) Kalugin, E N; Zav'ialov, A N *Gidroliz Lesokhim Prom-st'* 7: 20. 1974

025350 301.8 G36
The role and regularities of the process of biosorption when treating waste waters of [wood] hydrolisis. (Rus) Zharova, T V; Sedova, IU S; Skachkova, N A *Gidroliz Lesokhim Prom-st'* 8: 13-14. 1974

025351 301.8 G36
The utilization of active silt [at a wood hydrolisis mill]. (Rus) Dolzhenko, A P *Gidroliz Lesokhim Prom-st'* 6: 29. 1974

025352 301.8 G36
Thermal stability of tall oil, its fractions and individual components. (Rus) Kudriavtseva, T S; Molochnikov, M L; Tolstova, T S; Kogan, V B *Gidroliz Lesokhim Prom-st'* 2: 9-10. 1975

025353 301.8 G36
Use of a laboratory automatic instrument for determining the fractional composition of turpentine. (Rus) Feigus, E I; Matiunina, N N; Golovin, A I *Gidroliz Lesokhim Prom-st'* 5: 13-14. 1975

025354 S27.A3
Trees and energy [Wood as fuel]. Splinter, W E; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 4 P. 1975

025355 99.81 H74
Degree of filling of the feeding chutes of wood chippers. (Ger) Maier, G *Holz Roh Werkst* 33 (10): 365-369. Eng. Sum. Oct 1975

025356 99.81 H74
Development and future of wood utilization. (Ger) Schulz, H; Patzak, W *Holz Roh Werkst* 33 (10): 381-392. Eng. Sum. Oct 1975

025357 99.81 H74
Production of thin particleboard by resistance heating. (Ger) Michels, W *Holz Roh Werkst* 33 (10): 370-375. Eng. Sum. Oct 1975

025358 99.81 H74
Recent developments in the field of particleboard. (Ger) Hutschneker, K *Holz Roh Werkst* 33 (10): 357-364. Ref. Eng. Sum. Oct 1975

025359 99.81 H74
Recent developments of multi-daylight particleboard presses. (Ger) Nopper, H G *Holz Roh Werkst* 33 (10): 376-380. Eng. Sum. Oct 1975

025360 99.81 H74
Suitability of the block shear test to evaluate the bonding strength of particleboard. (Ger) Gressel, P *Holz Roh Werkst* 33 (10): 393-398. Eng. Sum. Oct 1975

025361 99.8 H74
Arsenical diffusion treatment of Eucalyptus diversicolor rail sleepers. Johanson, R *Holzforschung* 29 (5): 187-191. Oct 1975

025362 99.8 H74
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. Chang, H M; Cowling, E B; Brown, W; Adler, E; Miksche, G *Holzforschung* 29 (5): 153-159. Oct 1975

025363 99.8 H74
Enzymatic hydrolysis of hardwood xylans. II. Isolation of five beta-I lead to 4-xylanasen from three commercial enzyme products. (Ger) Sinner, M; Dietrichs, H H *Holzforschung* 29 (5): 168-177. Ref. Eng. Sum. Oct 1975

025364 99.8 H74
On an enzymatic pretreatment of softwoods to improve their penetrability. (Ger) Adolf, F P *Holzforschung* 29 (5): 181-186. Ref. Eng. Sum. Oct 1975

025365 99.8 H74
Studies on lignin-carbohydrate-complexes by high resolution electron microscopy. (Ger) Fengel, D *Holzforschung* 29 (5): 160-164. Ref. Eng. Sum. Oct 1975

025366 99.8 H74
Study for the manufacture of unbleached high yield pulp from bagasse. Saad, S M; Zimaity, M T; Fahmy, M S *Holzforschung* 29 (5): 177-180. Ref. Oct 1975

025367 99.8 H74
Synthesis of guaiacylglycerol-beta-guaiacyl ether [Lignin chemistry]. Nakatsubo, F; Sato, K; Higuchi, T *Holzforschung* 29 (5): 165-168. Oct 1975

025368 99.8 H744
A method for describing the taper of saw logs. (Ger) Kowalewitz, D; Otto, H; Hofmann, M *Holztechnologie* 16 (3): 131-134. Sept 1975

025369 99.8 H744
Characterization of cellulose quality by dryed sieve fractioning. (Ger) Jensen, U *Holztechnologie* 16 (3): 182-184. Sept 1975

025370 99.8 H744
Derivation of functional interactions for predetermining the surface quality of plastic-sheathed sections [Saw timber]. (Ger) Wappler, C; Pecina, H *Holztechnologie* 16 (3): 175-178. Eng. Sum. Sept 1975

025371 99.8 H744
Determination of moisture in wood-based materials treated with oil [Wood industry]. (Ger) Chanmamedov, K M *Holztechnologie* 16 (3): 148-150. Eng. Sum. Sept 1975

025372 99.8 H744
Effects of knots on the mechanical properties of plywood from Indian wood species. (Ger) Narayanamurti, D; Hussainy, S A; Devarajan, V S; Mohan, G D *Holztechnologie* 16 (3): 144-148. Ref. Eng. Sum. Sept 1975

025373 99.8 H744
Experiences in using the circular saw attachment VTR for log conversion. (Ger) Maar, J *Holztechnologie* 16 (3): 179-180. Eng. Sum. Sept 1975

025374 99.8 H744
Investigations of the impregnating behaviour of tributyl-tin oxide in different wood preservative formulations with the help of an active substance labelled with carbon isotope. (Ger) Berger, G; Hoffmann, G; Kerner, G; Klotzer, D; Thust, U *Holztechnologie* 16 (3): 135-143. Ref. Eng. Sum. Sept 1975

025375 99.8 H744
Observing carbide-tipped cutters through the scanning electron microscope. (Ger) Kroppelin, D *Holztechnologie* 16 (3): 151-153. Eng. Sum. Sept 1975

025376 99.8 H744
On the behaviour of wood particles in hot air-steam mixtures—a contribution of the improvement of particle drying in particle board plants. I. (Ger) Meyer, B *Holztechnologie* 16 (3): 154-158. Ref. Eng. Sum. Sept 1975

025377 QR1.I53 1974
Observations on lignicolous aquatic fungi [Ecology, distribution, wood destroying fungi]. Jones, E B G *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 374-382. 1974 (Pub. 1975)

025378 302.8 IN23
Kinetics of each stage of the bleaching sequence CEHD [Wood pulps]. Singh, S V; Goyal, R P; Guha, S R D *Indian Pulp Pap* 29 (6/7): 25-31, 33-34. Ref. Dec 1974/Jan 1975

025379 QH301.I54
Moisture control in laboratory tests with wood-rotting fungi. Carey, J K; Grant, C *Int Biodeterior Bull* 11 (3): 101-105. Autumn 1975

025380 QH301.I54
On the interaction between bacterial and wood preservatives. Schmidt, O; Wolf, F; Liese, W *Int Biodeterior Bull* 11 (3): 85-89. Ref. Autumn 1975

025381 QH301.I54
Toxicity tests of some chemicals against certain wood-staining fungi. Cserjesi, A J; Roff, J W *Int Biodeterior Bull* 11 (3): 90-96. Ref. Autumn 1975

025382 TS870.A1I5
Design data for plywood for concrete shuttering work. Aswathanarayana, B S; Victor, V J *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 54-60. Ref. Apr/June 1974

025383 TS870.A1I5
Glued plywood roof panels. Jagadeesh, H N; Kuttikrishnan, P *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 61-71. Apr/June 1974

025384 TS870.A1I5
Glued plywood two hinged type arch panel roofing. 1. Jagadeesh, H N; Reddy, H G; Radhamani, M K *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 49-53. Apr/June 1974

025385 TS870.A1I5
Hardboards from spent rosha grass Cymbopogon martini var motia. Jain, N C; Mehra, M L *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 78-80. Apr/June 1974

025386 TS870.A1I5
Nail holding power of plywood. III. Effect of plywood thickness and nail diameter. Shyamasundar, K; Victor, V J *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 72-77. Ref. Apr/June 1974

025387 TS870.A1I5
Resistance to sustained load of polyvinyl acetate dispersion-based adhesives. II. Seetharamu, L; Victor, V J; George, J *IPIRI J (Indian Plywood Indus Res Inst)* 4 (2): 81-83. Ref. Apr/June 1974

025388 99.8 IT12
The resin acids of the oleoresins: their isolation and identification. (Ita) Vidrich, V; Fusi, P *Ital For Mont* 29 (5): 191-196. Ref. Sept-/Oct 1974

025389 99.8 IZ8
Comparative analysis of various systems of technological processes of sawing logs. (Rus) Pesotskii, A N; IAsinskii, V S *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 71-75. 1975

025390 99.8 IZ8
Effect of the characteristics of cycle duration [in logging] on equipment load. (Rus) Dudiuk, D L *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 134-136. 1975

025391 99.8 IZ8
Experimental research on operations of specially-designed hydraulic tract or loader [Logging equipment]. (Rus) Pyndak, V I; Liamin, I V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 38-42. 1975

025392 99.8 IZ8
Experimental study of non-uniform movement of water parachutes [Hydrodynamics, log rafts]. (Rus) Mel'nikov, L V; Chekalkin, K A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 65-70. Ref. 1975

025393 99.8 IZ8
Gas regime of industrial chips relative to change in quality and density during open storage. (Rus) Sorokin, A M; Gashkova, M IA *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 125-129. 1975

025394 99.8 IZ8
Mathematical modeling of the process of sawing with motorized chain saws. (Rus) Dmitriev, S V; Shestakovskii, G F *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 136-139. 1975

025395 99.8 IZ8
Method of determining formaldehyde and methanol extracted in poly-condensation of resin in hot pressing of particle boards. (Rus) Oblivin, A N; Afanas'ev, G N *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 104-108. 1975

025396 99.8 IZ8
Methods of establishing optimum dimensions of production in the utilization of low-grade lumber and wood waste. (Rus) Petrov, A P; Tevosova, L G *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 145-148. 1975

025397 99.8 IZ8
Moisture and density of Populus tremula wood with consideration of its sex. (Rus) Danilin, M A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 34-37. 1975

025398 99.8 IZ8
Norms for economic acceptance of new enterprises in the paper and pulp industry. (Rus) Pavlov, B I; Davydova, G V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 154-157. 1975

025399 99.8 IZ8
On calculating the stresses and deformations in non-homogeneous material of woody plants. (Rus) Orlova, L I *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 90-93. 1975

025400 99.8 IZ8
On developing the theory of maximum sawlogs of its founders-Kh. L. Fel'dman and D. F. Shapiro. (Rus) Vlasov, G D *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 75-79. 1975

025401 99.8 IZ8
On parameters of forces in relation to barking of wood. (Rus) Pokryshkin, O V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 166-168. 1975

025402 99.8 IZ8
On the adaptation of skidder tractors to carrying out of currant repairs. (Rus) Dragunovich, V I; Pugin, B I *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 42-45. 1975

025403 99.8 IZ8
On the causes of coloration of fractions of fatty acids in tall oil rectification. (Rus) Prokshin, G F; Sofrygina, L M; Piialkin, V N; Mukhina, V IA *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 121-125. 1975

025404 99.8 IZ8
On the forming of a bundle of round wood materials by compression. (Rus) Andronov, V V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 59-65. 1975

025405 99.8 IZ8
On the problem of thawing log ponds at sawmill installations. (Rus) Krotova, L L *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 96-97. 1975

025406 99.8 IZ8
On the problem of isolation of pyrocatechol from gas-generated acid water [Wood technology]. (Rus) Prokhorchuk, T I; TSatska, E M; Ferdinand, N V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 108-113. 1975

025407 99.8 IZ8
On the solvation of sulfate lignin in some organic solvents. (Rus) Nekrasov, V V; Sokolov, O M; Bokhovkin, I M *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 114-117. 1975

025408 99.8 IZ8
Problems of analysis of the system of mass servicing of forest logging with consideration of the reliability of mechanisms. (Rus) Kovalev, N F; Turlai, I V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 130-134. 1975

025409 99.8 IZ8
Production functions and limit indices in calculating the efficiency of production at [wood] hydrolysis enterprises. (Rus) Plastinin, A V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 148-154. Ref. 1975

025410 99.8 IZ8
Static hysteresis in compressed wood of birch in relation to compression along the fibers. (Rus) Bial'skii, L A; Vaiman, V E *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 94-96. 1975

025411 99.8 IZ8
Study of sulfonated carbohydrates forming in bisulfite cooking of spruce. (Rus) Pisarevskaia, E A; Boiarskaia, R K; Nepenin, IU N *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 98-104. Ref. 1975

025412 99.8 IZ8
Study of vertical dynamics of the MAZ-509 plus TMZ-803 logging truck-trailer trains. (Rus) Zhukov, A V; Belen'kii, IU IU; Abramovich, K B; Petrovich, A I *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 45-50. 1975

025413 99.8 IZ8
The effect of poor gluing on the strength of glued wooden beams under a uniformly distributed load. (Rus) Krylov, N A; Potapov, A I; Birichevskii, M L *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 86-90. 1975

025414 QD471.A1J5
An investigation of the surface areas of dyed and undyed secondary cellulose acetate by p-nitrophenol adsorption. Blair, H S; McElroy, M J *J Appl Polym Sci* 19 (12): 3161-3168. Ref. Dec 1975

025415 QD471.A1J5
End-wise degradation of hydrocellulose during hot alkali treatment. Johannson, M H; Samuelson, O *J Appl Polym Sci* 19 (11): 3007-3013. Ref. Nov 1975

025416 99.9 AS12S
Effects of resin and shape of fiber on physical property of dry-fiberboard. (Jpn) TaKahashi, H *J Hokkaido For Prod Res Inst* 9: 13. Sept 1975

025417 99.9 AS12S
Studies on the prevention of checks during drying. 2. Drying schedule for the boxed heart of Larix wood. (Jpn) Oyama, Y; Nara, N; Yoneta, M; Hashimoto, H; Chiba, M; Kanno, S *J Hokkaido For Prod Res Inst* 9: 1-4. Eng. Sum. Sept 1975

025418 99.9 AS12S
The durability of painted plywood: the correlation between the outdoor exposure and the accelerating test. (Jpn) Nakamura, F; Sato, M *J Hokkaido For Prod Res Inst* 8: 5-9. Eng. Sum. Aug 1975

025419 99.9 AS12S
The effect of melamin and potato-protein as reinforcing material in the production of urea-treated plywood. (Jpn) Minemura, N; Imura, S; Hirata, S; Sato, M *J Hokkaido For Prod Res Inst* 9: 5-9. Eng. Sum. Sept 1975

025420 99.9 AS12S
1975 annual program of the Hokkaido Forest Products Research Institute. (Jpn) *J Hokkaido For Prod Res Inst* 8: 1-4. Aug 1975

025421 99.8 N62
Statical solution on the cable crane [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. (Jpn) Suzuki, M; Hori, T *J Jap For Soc* 57 (10): 339-345. Eng. Sum. Oct 1975

025422 396.9 P49
Studies on the utilization of xylan and glucomannan in woods. I. Purification and separation. (Jpn) Hashimoto, T; Hashimoto, K *J Pharm Soc Jap* 95 (10): 1239-1244. Ref. Eng. Sum. Oct 1975

025423 300.9 T48J
Investigations on the natural durability of indigenous timbers for use in marine construction. Kalyanasundaram, N; Ganti, S S *J Timber Dev Assoc India* 21 (2): 15-26. (Continued) Apr 1975

025424 300.9 T48J
Investigations on the natural durability of indigenous timbers for use in marine construction. Kalyanasundaram, N; Ganti, S S *J Timber Dev Assoc India* 21 (1): 13-18. (Continued) Jan 1975

025425 300.9 T48J
Protection of timber in aquatic environments. Chandra, A; Krishnan, R V *J Timber Dev Assoc India* 21 (1): 1-6. Jan 1975

025426 300.9 T48J
Tests on evaluation of the performance of end coatings on green wood. Nath, P; Sharma, S N; Badoni, S P *J Timber Dev Assoc India* 21 (2): 1-5. Apr 1975

025427 300.9 T48J
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on shrinkage property of beech [Fagus sylvatica] wood. Sattar, M A *J Timber Dev Assoc India* 21 (2): 6-14. Ref. Apr 1975

025428 300.9 T48J
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on drying property of beech wood [Fagus sylvatica]. Sattar, M A *J Timber Dev Assoc India* 21 (1): 7-12. Jan 1975

025429 410 J272
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. Yoneda, T *Jap J Ecol* 25 (3): 132-140. Sept 1975

025430 99.9 AS12
Incombustibility of fire-retardant [fiber] boards made of pulp sludge and perlite. (Jpn) Nunomura, A; Ito, H; Kasai, A; Komazawa, K *Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo* 63: 1-16. Eng. Sum. Mar 1975

025431 99.9 AS12
Utilization of the heat-treated bark as a filler of wood adhesives. (Jpn) Mori, S; Takahasi, H; Kubota, M; Minemura, N; Imura, S; Nakamura, F; Saito, M; Sato, M *Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo* 63: 17-90. Eng. Sum. Mar 1975

025432 99.8 L5622
Improving equipment and technology of timber felling operations. (Rus) Bondarchuk, P I *Lesn Khoz* 11: 33-34. Nov 1975

025433 99.8 L5622
Mechanization of logging operations in the taiga zone. (Rus) Akaiev, F I *Lesn Khoz* 11: 27-28. Nov 1975

025434 99.8 L5622
Timber harvesting operations in the taiga zone of the USSR and abroad. (Rus) Emel'ianov, E A *Lesn Khoz* 11: 25-26. Nov 1975

025435 99.82 L56
Assembly of skyline cables with the aid of helicopters [Logging equipment]. (Rus) Rodionov, V I; Dumanovskii, M A; Zamaraev, A S *Lesn Prom St'* 11: 18-19. Nov 1975

025436 99.82 L56
Automated line for sorting logs by diameter. (Rus) Zaitsev, N T *Lesn Prom St'* 11: 9. Nov 1975

025437 99.82 L56
Efficient utilization of log transport equipment. (Rus) Il'ev, L I; Prokopenko, N S *Lesn Prom St'* 10: 22-24. Oct 1975

025438 99.82 L56
Harvesting and hauling logs by species. (Rus) Belov, V I; Lebedev, I V *Lesn Prom St'* 10: 15-17. Oct 1975

025439 99.82 L56
Harvesting timber of assigned groups of quality [Coniferae]. (Rus) Bokshchanin, IU R; Tikhonova, M V *Lesn Prom St'* 11: 14-15. Nov 1975

025440 99.82 L56
Improved armature for skidding chokers [Logging equipment]. (Rus) Galinkin, B E; Faingol'd, B D; Belogurov, N I; Bial'skii, L A *Lesn Prom St'* 11: 24. Nov 1975

025441 99.82 L56
Improving the loading of roundwood. (Rus) Smolin, A I *Lesn Prom St'* 11: 19-20. Nov 1975

025442 99.82 L56
Loading and unloading operations—technology and efficiency [Forest industries]. (Rus) Tauber, B A *Lesn Prom St'* 10: 6-8. Oct 1975

025443 99.82 L56
Movement of cranes on a rigging basis [Logging equipment]. (Rus) Smirnov, N A *Lesn Prom St'* 10: 29-30. Oct 1975

025444 99.82 L56
Multi-channel sorting of timber [Data processing]. (Rus) Zil'berman, M I; Skurikhin, N A *Lesn Prom St'* 10: 28. Oct 1975

025445 99.82 L56
New method of bark removal from logs. (Rus) Torgovnikov, G I; Manuilov, N A; IUgov, V G *Lesn Prom St'* 11: 23. Nov 1975

025446 99.82 L56
On modernization of auto transport of wood chips. (Rus) Klimov, A G; Nikoliuk, V S; Rylov, A N *Lesn Prom St'* 10: 24-25. Oct 1975

025447 99.82 L56
On the quality of forming log bundles. (Rus) Artiukov, A I; Komarnitskii, N S *Lesn Prom St'* 10: 13-14. Oct 1975

025448 99.82 L56
Operational control of logging transport. (Rus) Aliab'ev, V I *Lesn Prom St'* 10: 9. Oct 1975

025449 99.82 L56
Optimizing the sorting of logs on semi-automatic lines. (Rus) Matveiko, A P; Turlai, I V *Lesn Prom St'* 11: 15-17. Nov 1975

025450 99.82 L56
Optimizing transport and trans-shipping operations [Logging]. (Rus) Red'kin, A K *Lesn Prom St'* 10: 10-11. Oct 1975

025451 99.82 L56
Piece-by-piece feeder of logs. (Rus) Frid, L D *Lesn Prom St'* 11: 11-12. Nov 1975

025452 99.82 L56
Pneumatic transport of bark [Wood processing, pulp and paper]. (Rus) Korobov, V V; Panichev, G P *Lesn Prom St'* 10: 26-27. Oct 1975

025453 99.82 L56
Research on the stability of wheeled tractors [Forestry]. (Rus) Liutenko, M G; Kazantsev, G M *Lesn Prom St'* 11: 26. Nov 1975

025454 99.76 P112LA
Log scaling in the Pacific Northwest. McComb, F *Log Handb* 25 (Sect. I): 17-18, 120, 122, 124. 1975

025455 99.76 P112LA
Official proceedings, 65th sessions, Pacific Logging Congress, Reno, Nevada, November 11, 12, 13, 1974. Pacific Logging Congress, 65th, Reno, 1974 *Log Handb* 35 (Sect. II): 1-108. 1975

025456 99.76 P112LA
Safe chain saw operation requires knowledge of accident causative factors [Timber falling]. Dent, D D *Log Handb* 35 (Sect. I): 28-30, 71-72. 1975

025457 99.76 P112LA
Smallwood harvesting research at Oregon State University. Aulerich, D E *Log Handb* 35 (Sect. I): 10-12, 84-86, 88. 1975

025458 99.76 P112LA
What's new in logging machinery. *Log Handb* 35 (Sect. I): 39-56. 1975

025459 99.8 L93
Noise hazards on forestry operations in the South. McDermid, R W; McKnight, J R; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 114, 4 P. Ref. Aug 1975

025460 99.8 L93
Results of marketing Louisiana-grown Christmas trees [Pinus, Juniperus virginiana, Cupressus arizonica]. Brewer, C W; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 112, 3 P. May 1975

025461 384 M28
Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). Arai, K; Ogiwara, Y; Ise, N *Makromol Chem* 176 (10): 2871-2881. Oct 1975

025462 20 M57
A joint solution of problems of complex mechanization of forestry operations [Council for Mutual Economic Assistance]. (Rus) Lariukhin, G *Mezhdunar S-kh Zh* 6: 100-102. 1975

025463 99.8 C162
Utility of indigenous wood. Foley, T A *N Z J For* 20 (1): 44-62. Ref. 1975

025464 SD111.N45N4
Differentiated callus nodules in resin pockets of Pinus ponderosa Laws. Harris, J M; Barnett, J R *N Z J For Sci* 5 (2): 226-229. Aug 1975

025465 SD111.N45N4
Evolution of chlorinated phenols from concentrated boron solutions containing these phenols added as their sodium salts [Wood preservation]. Cserjesi, A J *N Z J For Sci* 5 (2): 196-200. Aug 1975

025466 99.82 N81
Parliamentary Bill 67 (1974-1975). The development and future of Norwegian industry [Forest products]. (Nor) *Nor Skogind* 29 (11): 280-281. 1975

025467 99.81 N812
A profile of logging in the Northeast. I. Crew size and equipment investment. Herrick, O W *North Log Timber Process* 24 (4): 14-15. Oct 1975

025468 99.81 N812
Establishing vegetative cover along logging access roads: techniques—costs—benefits. Sage, R W Jr; Tierson, W C *North Log Timber Process* 24 (4): 16-17, 33-34, 38. Oct 1975

025469 302.8 P1991
Delignification of wood using pressurized oxygen. II. Kinetics of lignin oxidation. Renard, J J; Mackie, D M; Bolker, H I *Pap Puu* 57 (11): 786-788, 791-794, 799-804. Ref. Nov 20, 1975

025470 302.8 P1991
On the hydrogenolysis of lignin. 9. Comparative hydrogenolyses of different lignin preparations from some species. Hoffmann, P; Schweers, W *Pap Puu* 57 (11): 771-774, 777-778, 783-785. Ref. Nov 20, 1975

025471 302.8 P1991
Short-rotation hardwood as a raw material for absorbent pulp. Lonnberg, B; Palenius, I; Saxena, V B *Pap Puu* 57 (11): 721-727. Nov 20, 1975

025472 302.8 P1991
The formation of carboxylic acids from wood polysaccharides during kraft pulping. Malinen, R; Sjostrom, E *Pap Puu* 57 (11): 728-730, 735-736. Ref. Nov 20, 1975

450 P5622
Diterpenes from Araucaria angustifolia. Campello, J de P; Fonseca, S F *Phytochemistry* 14 (10): 2299-2300. Oct 1975

025473 450 P5622
Volatile constituents of Cupressus stephensonii heartwood. Senter, P; Zavarin, E; Zedler, P H *Phytochemistry* 14 (10): 2233-2235. Ref. Oct 1975

025474 99.9 C1628P
Sorption studies of softwoods. Salamon, M; Hejjas, J; Hejja, A; Pollok, L B *Publ Can For Serv* 1346, 20 P. 1975

025475 22.5 N687
Econometric model of timber industry. (Jpn) Yuize, Y *Q J Agric Econ* 29 (3): 1-45. July 1975

025476 99.9 G299R
An economic model of Georgia's long-run timber market. Montgomery, A A; Robinson, V L; Strange, J D *Rep Ga For Res Counc* 34, 21 P. May 1975

025477 284.9 M58
Penetration of oil-borne [wood] preservative in American elm [Ulmus americana]. Behr, E A; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 278, 15 P. July 1975

025478 99.8 R327
Establishing typological base of work means and modalities by skidding and transport of round timber, in the case of some coupes within Forest Enterprise for Logging and Transport Brasov. (Rum) Andreescu, V; Furnica, H; Oprea, I; Ungureanu, S *Rev Padur* 90 (1): 30-33. Jan/Mar 1975

025479 99.8 R327
Establishment of some mean conditions for logging at the level of the Forest Unity for Logging and Transport. (Rum) Lemnenyi, P *Rev Padur* 90 (1): 33-34. Jan/Mar 1975

025480 99.8 R327
On the angle made by the carrying cable in the point of support in the case of great capacity forest skylines. (Rum) Cirloganiu, D; Baciu, A D *Rev Padur* 90 (1): 37-40. Jan/-Mar 1975

025481 99.8 R327
On the technical equipment of logging in Romania. (Rum) Oprita, V *Rev Padur* 90 (1): 34-36. Jan/Mar 1975

025482 302.8 SV2
Calming lengths in pulp suspension flow. Moller, K; Norman, B *Sven Papperstidn* 78 (16): 582-587. Ref. Nov 10, 1975

302.8 SV2
Color removal from kraft effluent by ultrafiltration with new polymeric membranes [Pollution]. Muratore, E; Pichon, M; Monzie, P *Sven Papperstidn* 78 (16): 573-576. Ref. Nov 10, 1975

025483 302.8 SV2
Critical point drying of fines from mechanical pulps. Gavelin, G; Kolmodin, H; Treiber, E *Sven Papperstidn* 78 (17): 603-608. Ref. Nov 25, 1975

025484 302.8 SV2
Displacement washing of packed beds of cellulose fibres. 1. Mathematical model. Grahs, L E *Sven Papperstidn* 78 (12): 446-450. Ref. Sept 10, 1975

302.8 SV2
Efficient white water handling at Munksjo mill [Water pollution]. Brauns, O *Sven Papperstidn* 78 (17): 600, 628. Nov 25, 1975

025485 302.8 SV2
Flow-calorimetry for the pulp industry. (Swe) Hultman, B; Dalborg, A; Uhlin, L *Sven Papperstidn* 78 (13): 471-473. Eng. Sum. Sept 25, 1975

025486 302.8 SV2
Graft copolymers of dextrin and polyacrylamide as filler retention aids [Production of filled bond paper]. Heath, H D; Fanta, G F; Ernst, A J; Hofreiter, B T; Burr, R C *Sven Papperstidn* 78 (13): 488-491. Sept 25, 1975

025487 302.8 SV2
Interaction between surface active substances and pulp fibers. Friberg, S; Bruun, H H; Enqvist, R *Sven Papperstidn* 78 (14): 517-522. Ref. Oct 10, 1975

025488 302.8 SV2
New process for flash-drying [cellulose pulp]. (Swe) *Sven Papperstidn* 78 (16): 568, 589. Eng. Sum. Nov 10, 1975

025489 302.8 SV2
Oxygen-bicarbonate bleaching of kraft pulp. Manouchehri, M; Samuelson, O *Sven Papperstidn* 78 (12): 451-454. Sept 10, 1975

025490 302.8 SV2
Properties of sodium sulfide—sodium carbonate melts [Pulping]. Magnusson, H; Warnqvist, B *Sven Papperstidn* 78 (17): 614-616. Ref. Nov 25, 1975

025491 302.8 SV2
Pulp and paper in Iran—today and tomorrow. Bergendahl, C J *Sven Papperstidn* 78 (15): 533-537. Oct 25, 1975

025492 302.8 SV2
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from ion exchange chromatography [Picea abies, holocellulose]. Fengel, D; Przyklenk, M *Sven Papperstidn* 78 (17): 617-620. Ref. Nov 25, 1975

025493 302.8 SV2
The disruptive shear stress of pulp networks. Duffy, G G; Titchener, A L *Sven Papperstidn* 78 (13): 474-479. Ref. Sept 25, 1975

025494 302.8 SV2
The influence of adsorbed surface active substances on the properties of paper. Bruun, H H; Enquist, R; Friberg, S *Sven Papperstidn* 78 (14): 512-516. Ref. Oct 10, 1975

025495 302.8 SV2
The kinetics of the reaction between sulfide and sulfite in aqueous solution. Teder, A; Wilhelmsson, A *Sven Papperstidn* 78 (13): 480-487. Ref. Sept 25, 1975

025496 302.8 SV2
The role of research in the development of wood-based panel industries. Back, E L; Noren, B *Sven Papperstidn* 78 (12): 436-445. Ref. Sept 10, 1975

025497 302.8 SV2
Washing of pulps. 2. The sorption of Na, Mg and Ca [sodium, magnesium, calcium] on kraft pulp. Ohlsson, A; Rydin, S *Sven Papperstidn* 78 (15): 549-552. Ref. Oct 25, 1975

025498 302.8 SV2
Washing of pulps. 3. Transfer rates of dissolved sodium andlignin from pulps in a dilute, agitated suspension. Edwards, L; Rydin, S *Sven Papperstidn* 78 (16): 577-581. Nov 10, 1975

025499 302.8 SV2
Wood imports vital for Swedish forest industries. (Swe) Carlgren, M *Sven Papperstidn* 78 (14): 500-501. Oct 10, 1975

025500 SD1.S952
Spacing contra quality of the sawn timber from Scots pine [Pinus sylvestris]. (Swe) Persson, A *Sver Skogvardsforb Tidskr* 73 (5): 433-441. Eng. Sum. 1975

025501 302.8 T162
A laboratory investigation of puckering in lightweight linerboards. Bradway, K E *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 100-102. Dec 1975

025502 302.8 T162
A new process for simultaneous blade coating on two sides [Production of paper]. Wallsten, H I *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 110-112. Dec 1975

025503 302.8 T162
Apprentice training for maintenance employees in the pulp and paper industry. Bacon, H F *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 90-93. Dec 1975

025504 302.8 T162
Compressive properties of linerboard as related to corrugated fiberboard containers: a theoretical model. Koning, J W Jr *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 105-108. Dec 1975

025505 302.8 T162
Computer controlled batch digesters using the Nokia Autocook system [Pulping]. Rettinger, J J *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 94-97. Dec 1975

025506 302.8 T162
Economic aspects of producing and using mechanical pulp. Wettergren, C J *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 77-79. Dec 1975

025507 302.8 T162
Economics of mechanical pulping in newsprint or how to choose a gold mine based on different energy cost scenarios. Carter, J A; Perry, F G *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 80-84. Dec 1975

025508 302.8 T162
Fiber length measurement—an accurate inexpensive technique. Taylor, F W *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 126-127. Dec 1975

025509 302.8 T162
Heating and weight-loss sequences in maple [Acer saccharum]chip piles and the effect of borax. Hulme, M A *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 118-120. Dec 1975

025510 302.8 T162
Repeatability of Canadian Standard Freeness test [Pulp]. Brandon, C E *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 126. Dec 1975

025511 302.8 T162
Testing printing papers for wet-rub resistance. Hull, H H; Eldred, N R *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 123-125. Dec 1975

025512 302.8 T162
The influence of wood and fiber properties on kraft converting-paper quality [Tsuga heterophylla]. Kellogg, R M; Thykeson, E; Warren, W G *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 113-116. Dec 1975

025513 302.8 T162
[Groundwood newsprint] system analysis of refiner [computer] mill operation. Venkatesh, V; Corson, S R; Edwards, L L *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 86-89. Dec 1975

025514 99.9 B633
Study of some characteristics of Rhododendron wood species and their suitability for particle board manufacture under laboratory conditions. (Tur) Karacalioglu, T *Tek Bul Ser Ormancil Arastirma Enst Yayin* 6095 P. 1974

025515 99.8 T62
Examination of the possibility of poplar utilization in the production of glued and agglomerated materials. (Cro) Steller, S *Topola* 18/19 (103/106): 45-50. Eng. Sum. July 1974/June 1975

025516 99.8 T62
Fast-growing poplar as raw material for obtaining semi-chemical pulp which is used for the production of white papers. (Cro) Olszewski, J; Nowakowski, J *Topola* 18/19 (103/106): 33-36. Eng. Sum. July 1974/June 1975

025517 99.8 T62
Improvement of the characteristics of veneer boards made from poplar wood by moddification of their outer layer. (Cro) Nikolov, S; Abrasev, G *Topola* 18/19 (103/106): 99-107. Eng. Sum. July 1974/June 1975

025518 99.8 T62
Industrial utilization of poplar wood in Romania. (Cro) Ivanesku, D *Topola* 18/19 (103/106): 72-78. Eng. Sum. July 1974/June 1975

025519 99.8 T62
Methods of working up the volume of wood in thinning cuttings in poplar stands. (Cro) Galat, J *Topola* 18/19 (103/106): 57-62. Eng. Sum. July 1974/June 1975

025520 99.8 T62
Obtaining details of stable dimensions from poplar wood. (Cro) Nikolov, S; Abrasev, G *Topola* 18/19 (103/106): 95-98. Eng. Sum. July 1974/June 1975

025521 99.8 T62
Physico-mechanical properties of the poplar wood from floodable areas. (Cro) Klobecova, T *Topola* 18/19 (103/106): 37-44. Eng. Sum. July 1974/June 1975

025522 99.8 T62
Poplar wood processing by hydrolysis. (Cro) Tokarev, B I *Topola* 18/19 (103/106): 86-87. Eng. Sum. July 1974/June 1975

025523 99.8 T62
State and perspectives of chemical processing of poplar wood in Czechoslovakia. (Cro) Enderst, V; Janci, J *Topola* 18/19 (103/106): 51-56. Eng. Sum. July 1974/June 1975

025524 99.8 T62
State of the industrial use of poplar wood and its perspectives in Hungary. (Cro) Erdelyi, G *Topola* 18/19 (103/106): 25-27. Eng. Sum. July 1974/June 1975

025525 99.8 T62
Use of softwood broadleaved species from natural forests and plantations for obtaining sulphate pulp [Poplar wood]. (Cro) Gasparic, Z; Stankovic, M *Topola* 18/19 (103/106): 165-169. Eng. Sum. July 1974/June 1975

025526 290.9 AM32T
Improved utilization and disposal of logging residues. Gardner, R B; Gibson, D F *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 824-827, 831. Sept/Oct 1975

025527 290.9 AM32T
Stormflows and erosion after tree-length skidding on Coastal Plain soils [Logging equipment]. Dickerson, B P *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 867-868, 872. Sept/Oct 1975

025528 513 T64
Weather effects on glubility and surface checking of plywood trated with PEG [Polyethylene glycol]. (Jpn) Sakuno, T; Goto, T *Trans Tottori Soc Agric Sci* 27: 112-116. Ref. Eng. Sum. Mar 1975

025529 ASD11.A48
Time study techniques for logging systems analysis. Gibson, D F; Rodenberg, J H; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 25, 32 P. Sept 1975

025530 A99.9 F7634UN
Mechanical properties of 23 species of eastern hardwoods. Bendtsen, B A; Ethington, R L; U.S. Forest Products Laboratory *U S D A For Serv Res Note FPL (U S Dep Agric For Prod Lab)* 0230, 12 P. Ref. Aug 1975

025531 A99.9 F7634U
Dielectric properties of wood and hardboard: variation with temperature, frequency, moisture content, and grain orientation. James, W L; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 245, 32 P, Ref. 1975

025532 A99.9 F7634U
Humidity effects on properties of structural particleboards from forest residues. McNatt, J D; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 267, 13 P. 1975

025533 A99.9 F7634U
Storage of red alder [Alnus rubra] chips with and without bark—treated and untreated. Springer, E L; Schmidt, F L; Feist, W C; Zoch, L L; Hajny, G J; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 261, 9 P. 1975

025534 ASD11.A34
Debarking chips from whole trees [Populus, Acer saccharum, Pinus banksiana] in the Lake States. Mattson, J A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 115, 9 P. 1975

025535 A99.9 F7622UN
An automated rough mill for the production of interior furniture parts. Araman, P A; Lucas, E L; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 335, 5 P. 1975

025536 A99.9 F7622UN
Low-temperature forced-air drying of Appalachian hardwoods. Cuppett, D G; Craft, E P; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 328, 10 P. 1975

025537 A99.9 F7622UN
Manufacturing interior furniture parts: a new look at an old problem [Wood utilization]. Lucas, E L; Araman, P A; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 334, 6 P. 1975

025538 SD430.F6
Conversion factors for the forest-products industry in western Canada. Dobie, J; Wright, D M *VP X Environ Can For Serv* 97, Rev. 92 P. Ref. Aug 1975

025539 SD430.F6
Poplar [Populus, hardwood] utilization: a problem analysis. Neilson, R W *VP X Environ Can For Serv* 149, 65 P. Ref. Oct 1975

025540 SD430.F6
Small-log sawmill systems in Western Canada: headrig downtime, rough, green lumber yield from sound, straight logs, log throughput, volume productivity analysis procedure. Aune, J E; Lefebvre, E L *VP X Environ Can For Serv* L4l, 59 P. Map. July 1975

025541 SD430.F6
Strength properties of flooded timber and its utilization for kraft pulp. Hatton, J V; McGowan, W M *VP X Environ Can For Serv* 150, 26 P. Ref. Oct 1975

GENERAL PLANT SCIENCE

025542 80 N216
Brookgreen Gardens in South Carolina. Burgess, L M *Am Hortic Mag* 54 (6): 24-25. Winter 1975

025543 80 AM329
Can there be a different view on orchids and conservation? [Collecting, Mexico]. Hagsater, E *Am Orchid Soc Bull* 45 (1): 18-21. Jan 1976

025544 450 AN4
An experimental container for quantitative recording of root growth of young trees under varied conditions in the root region. (Ger) Foos, K *Angew Bot* 49 (3/4): 179-185. Eng. Sum. Nov 1975

025545 442.8 B5229
Historical outline of research on Micromycetes [fungi] in Slovenia since the Second World War. (Cro) Macek, J *Biol Vestn* 22 (1): 115-121. 1974

025546 450 B84
Hepaticae and Anthrocerotae collected by Dr. Harold E. Moore, Jr. in New Caledonia, Seychelles, Mauritius and Reunion in 1972. Engel, J J; Richards, D *Bryologist* 78 (3): 361-362. Fall 1975

025547 450 B84
Recent literature on hepatics . 72. [Hepaticae]. Fulford, M *Bryologist* 78 (3): 372-374. Ref. Fall 1975

025548 450 B84
Recent literature on Mosses. 102. Crosby, M R *Bryologist* 78 (3): 375-379. Ref. Fall 1975

025549 450 B84
Recent literature on lichens. 92. Culberson, W L *Bryologist* 78 (3): 380-385. Ref. Fall 1975

025550 279.8 C46
Pedunculate oaks, Quercus robur, nature's monuments in Wroclaw. (Pol) Strojny, W *Chron Przyr Ojczysta* 31 (1): 63-72. Jan/Feb 1975

025551 279.8 C46
Protection and management of rural parks in Poland. (Pol) Drzal, M; Leszczycki, S *Chron Przyr Ojczysta* 30 (5): 60-72. Eng. Sum. Sept/Oct 1974

025552 1 EX892EX
Wisconsin [plant] wildfoods [Extension]. DeSmet, C; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 22-23. Jan/Feb 1976

025553 81 H74
Hollies [Ilex] and companion plants at "Ecko Hollow". Diller, O D *Holly Lett* 53: 1. Oct 1975

025554 442.9 AK124
About the [nature protection] plant species of Turkmenistanto be entered in the "Red book of USSR". (Rus) Nikitin, V V; Kliushkin, E A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 73-76. Eng. Sum. 1975

025555 442.9 AK124
E. P. Korovin and the influence of his concepts upon the development of botanical science in Turkmenistan. (Rus) Ashirova, A A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 41-44. 1975

025556 442.9 AK124
The first botanical expedition to the eastern shores of the Caspian Sea. (Rus) Govorukhina, V A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 90-91. 1975

025557 450 J8223
Obituary of Dr. Yukio Yamada (1900-1975) [Japanese botanists, algae]. (Jpn) Kuroki, S *J Jap Bot* 50 (10): 318-320. Oct 1975

025558 84 L84J
Cherry [Captain Collingwood] Ingram [Plant collecting and breeding, England]. Scott-James, A *J R Hortic Soc* 100 (11): 518-522. Nov 1975

025559 QK600.M5
The collection of fungi in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. VI. Agaricales, Gasteromycetales. (Rus) Nezdoiminogo, E L; Svishch, L G *Mikol Fitopatol* 9 (5): 453-454. 1975

025560 QH201.M5
Permanent preparations of sweetwater algae. VI. Enclosure in water-soluble mounting media (sealing varnish). (Ger) Lindauer, R *Mikrokosmos* 64 (10): 314-318. Oct 1975

025561 450 M88
James Hamilyn Willis [Australian botanist]: a biographical sketch. *Muelleria* 3 (2): 71-88. Maps. July 8, 1975

025562 QH5.N3
The Jerusalem artichoke. (Ger) Kuppers-Sonnenberg, G A *Naturwiss Rundsch* 28 (10): 376. Oct 1975

025563 472 N42
Should botanic gardens save rare plants? [Plant conservation]. Thompson, P *New Sci (London)* 68 (979): 636-638. Dec 11, 1975

025564 80 N81
Herb garden in a historic setting [Hamar Museum]. (Nor) Jensen, C; Lono, K *Nor Hagetid* 91 (10): 306-307. Oct 1975

025565 450 P5623
Rapid scan spectrometry. Application to biological phenomenon study. Case of structured environments [of interest to botany]. (Fre) Denis, M; Ducet, G *Physiol Veg* 13 (3): 709-720. Eng. Sum. July/Sept 1975

025566 S15.R46
Science, technology and the university in the development of the agricultural sector [Crop cultures, yields, Angola]. (Por) Sardinha, P M A; Santos Carico, J dos *Reordenamento* 38: 19-22. Mar/Apr 1975

025567 Q1.A3S4
A heritage inverted: our flora endangered [Conservation program]. Specht, R L *Search, Sci Technol Soc* 6 (11/12): 472-477. Ref. Nov/Dec 1975

025568 61.9 SE5
Intensive work [of the N. I. Vavilov All-Union Scientific-Research Institute of Plant Industry] in the final year of the ninth five-year-plan period. (Rus) Brezhnev, D D; Ivanov, A I *Sel Semenovod (Mosk)* 3: 1-7. May/June 1975

025569 QH431.A1G43
Mikhail Fedorovich Ternovskii (on his ninetieth birthday) [Botanists]. *Sov Genet* 10 (1): 137-138. Jan 1974 (Transl Aug 1975)

025570 450 T192
A collection of Wm. H. Harvey's Australian algae at West Chester, Pennsylvania, U.s.a. Gordon, R B *Taxon* 24 (5/6): 628. Nov 1975

025571 450 T192
Adam Boros (1900-1973) [Botanists, Hungary]. (Ger) Horvat, A O *Taxon* 24 (5/6): 665-666. Nov 1975

025572 450 T192
On the publication of van Tieghem's "Recherches sur la structure du pistil et sur l'anatomie comparee de la fleur" [Research on the pistil structure and comparative anatomy of the flower]. Schmid, R; Guedes, M *Taxon* 24 (5/6): 659-664. Ref. Nov 1975

410.9 V67
Progress in potted plant systematics, floristics and vegetation science in Austria during 1961-1971. (Ger) Ehrendorfer, F; Furnkranz, D; Gutermann, W; Niklfeld, H *Verh Zool Bot Ges Wien* 114: 63-143. Ref. 1974 (Pub. 1975)

PLANT TAXONOMY AND GEOGRAPHY

025573 450 AC822
A new species of origanum (Labiatae) from Libya. Ietswaart, J H *Acta Bot Neerl* 24 (3/4): 285-287. June/Aug 1975

025574 450 AC822
Demographic studies of Anthyllis vulneraria L. In the Netherlands. Sterk, A A *Acta Bot Neerl* 24 (3/4): 315-337. Map. Ref. June-/Aug 1975

025575 450 AC822
Taraxacum vagum, a new species from Iran. Soest, J L van *Acta Bot Neerl* 24 (3/4): 289-290. June/Aug 1975

025576 450 AC822
Wood anatomical classification using iterative character weighing [Rubiaceae, numerical taxonomic studies]. Hogeweg, P; Koek-Noorman, J *Acta Bot Neerl* 24 (3/4): 269-283. Ref. June/Aug 1975

025577 451 SO16
Morphological and cytological differences within the species Lupinus luteus L. [Yellow lupine]. Kazimierski, T; Kazimierska, E M *Acta Soc Bot Pol* 44 (2): 265-275. Ref. 1975

025578 511 H365
New taxa of the Ranunculus auricomus complex in Finland. III. (Ger) Fagerstrom, L *Acta Soc Fauna Flora Fenn* 82 (1), 63 P. Eng. Sum. 1974

025579 256.13 AG82M
Identification of common farm grasses. 2. Identification bytheir shoots and leaves. Hayes, P *Agric North Irel* 50 (5): 126-129. Sept 1975

025580 97.31 AM32
Camellias of China; an excerpt from the New Chinese Flora [issued in Chinese by the Botanical Institute of the Chinese Academy]. *Am Camel Yearb* P. 200-208. 1975

025581 97.31 AM32
Some views on the distribution of a camellia in Toyama prefecture and Gifu. Iriyama, K; Takebe, S *Am Camel Yearb* P. 211-212. 1975

025582 80 N216
Stewartia pseudocamellia [Culture]. Witt, J A *Am Hortic Mag* 54 (6): 36-37. Winter 1975

025583 450 AM36
A nematode-destroying hyphomycete forming parallel multiseptate hyaline conidia in circular arrangement [Haptocara latirostrum, Fungi, new taxa]. Drechsler, C *Am J Bot* 62 (10): 1073-1077. Nov/Dec 1975

025584 450 AM36
Chromosome numbers in Compositae. XI. Heleniеae [Cytotaxonomy]. Powell, A M; Kyhos, D W; Raven, P H *Am J Bot* 62 (10): 1100-1103. Ref. Nov/Dec 1975

025585 450 AM36
Distribution of enzymatic browning of young shoot homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. Esen, A; Scora, R W *Am J Bot* 62 (10): 1078-1083. Nov/Dec 1975

025586 410 M58
Mosses and hepatics from the Thule district, northwestern Greenland [New taxa]. Steere, W C *Am Midl Nat* 94 (2): 326-347. Ref. Oct 1975

025587 410 M58
The Blufflands: Pleistocene pathway into the Tunica Hills [Paleobotany]. Delcourt, H R; Delcourt, P A *Am Midl Nat* 94 (2): 385-400. Maps. Ref. Oct 1975

025588 80 AM371
The controversial katsura tree [Cercidiphyllum]. Dirr, M A *Am Nurserym* 142 (12): 13, 43, 46-48. Dec 15, 1975

025589 80 AM329
Aerangis calligerum—story of an orchid orphan. Hillerman, F *Am Orchid Soc Bull* 44 (12): 1068-1069. Dec 1975

025590 80 AM329
Cirrhaea nasuta. Teuscher, H *Am Orchid Soc Bull* 45 (1): 23-25. Jan 1976

025591 80 AM329
Cymbidium macrorhizon Lindl. And its habitat. Pradhan, G M *Am Orchid Soc Bull* 45 (1): 10-13. Jan 1976

025592 80 AM329
Dendrobium lawesii. Northen, R T *Am Orchid Soc Bull* 44 (12): 1073. Dec 1975

025593 80 AM329
Exquisite orchids from Western Ghats (India). 1. Dendrobium barbatulum. Singh, F *Am Orchid Soc Bull* 44 (12): 1086-1089. Map. Dec 1975

025594 80 AM329
Orchid genera, illustrated. XLVIII. Calanthe. Sheehan, T; Sheehan, M *Am Orchid Soc Bull* 44 (12): 1085. Dec 1975

025595 80 AM329
Orchid genera, illustrated. XLIX. Masdevallia. Sheehan, T; Sheehan, M *Am Orchid Soc Bull* 45 (1): 32-33. Jan 1976

025596 80 AM329
Peristeria elata and Peristeria pendula. Teuscher, H *Am Orchid Soc Bull* 44 (12): 1056-1060. Dec 1975

025597 80 AM329
Some Venezuelan orchids of the Sierra de Perija. Dunsterville, G C K; Dunsterville, E *Am Orchid Soc Bull* 44 (12): 1075-1079. Dec 1975

025598 80 AM329
The angraecoids [orchids]—pearls from Madagascar. Hillerman, F *Am Orchid Soc Bull* 45 (1): 47-52. Jan 1976

025599 80 AM329
Zygopetalum—an abandoned genus of beauty [Varieties]. Ghillany, B A de *Am Orchid Soc Bull* 45 (1): 4-9. Jan 1976

025600 450 AN79
Gravity slide studies on atmospheric pollen in Finland. Kapyla, M; Koivikko, A *Ann Bot Fenn* 12 (2): 74-80. Map. Ref. 1975

025601 450 AN79
Leotia, Cudonia, Spathularia [rufa] and Neolecta [vitellina] (Ascomycetes) in Finland [New taxa]. Ohenoja, E *Ann Bot Fenn* 12 (3): 123-130. Maps. Ref. 1975

025602 450 AN79
On Fennoscandian polypores. IV. Phellinus igniarius, Phellinus nigricans and Phellinus populicola, n. sp [Fungi]. Niemela, T *Ann Bot Fenn* 12 (3): 93-122. Maps. Ref. 1975

025603 450 AN79
Plagiomnium acutum, comb. Nova (Musci, Mniaceae) [New taxa]. Koponen, T *Ann Bot Fenn* 67 (2): 57-58. 1975

025604 450 AN79
The distribution of Rhytidiadelphus and Hylocomium in Finland [Musci]. Koponen, T *Ann Bot Fenn* 12 (2): 59-62. Maps. Ref. 1975

025605 450 AN79
The lichen Dimelaena oreina in east-central Asia, with notes on its typification and chemical races. Sheard, J W; Ahti, T *Ann Bot Fenn* 67 (2): 89-92. Ref. 1975

025606 G860.A1A5
Palynologic investigation of Quaternary sediment from Lake Vanda [Paleobotany]. Hall, S A *Antarct J U S* 10 (4): 173-174. July/Aug 1975

025607 QK102.A65
Halophila stipulacea in Cyprus and Rhodes, 1967-1970. Lipkin, Y *Aquat Bot* 1 (3): 309-320. Maps. Ref. Sept 1975

025608 QK102.A65
The water hyacinth (Eichhornia crassipes Solms) in the Nile system, Egypt. Batanouny, K H; el-Fiky, A M *Aquat Bot* 1 (3): 243-252. Ref. Sept 1975

025609 QK710.F5
Inter- and intraspecific relationship between two native Greek diploid Aegilops species by esterase electrophoresis. Karataglis, S S *Biochem Physiol Pflanz BPP* 167 (5): 389-398. Ref. 1975

025610 QH301.B58
First survey on the vegetation of Chelmos (Peloponesis). (Fre) Quezel, P; Katrabassa, M *Biol Ecol Med* 1 (1): 11-25. Eng. Sum. 1974

025611 QH301.B58
Karyological study of some Pinguicula of Greece and Turkey, particularly the Pinguicula hirtiflora Ten. complex [Cytotaxonomy]. (Fre) Contandriopoulos, J; Quezel, P *Biol Ecol Med* 1 (1): 27-32. Map. Eng. Sum. 1974

025612 451 L64J
Flora Europaea. Notulae Systematicae ad Floram Europaeam spectantes. No. 17 [European Flora. Systematic Notes on European Flora. No. 17]. Heywood, V H ed *Bot J Linn Soc* 71 (1): 39-50. July 1975

025613 451 L64J
The genus Macropiper (Piperaceae). Smith, A C *Bot J Linn Soc* 71 (1): 1-38. Ref. July 1975

025614 450 EN3B
A possible strategy of comparative morphology for phylogenetic reconstruction [Plants]. (Ger) Hagemann, W *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 107-124. Ref. Eng. Sum. 1975

025615 450 EN3B
Biology without systematics or renaissance of systematics and taxonomy? [Botany]. (Ger) Mollenhauer, D *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 276-289. Ref. Eng. Sum. 1975

025616 450 EN3B
Centrosperm studies. 8. Contribution to the morphology, anatomy and systematic position of Gymnocarpos Forsk. and Paronychia argentea Lam. (Caryophyllaceae). (Ger) Rohweder, O; Urmi-Konig, K *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 375-409. Ref. Eng. Sum. 1975

025617 450 EN3B
Festuca lapidosa, an overlooked illyric endemic. (Ger) Markgraf-Dannenberg, I *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 270-275. 1975

025618 450 EN3B
Liliifloris notulae. 1. Characteristics of Haemanthus (Amaryllidaceae) [New taxa]. (Ger) Muller-Doblies, U; Muller-Doblies, D *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 324-327. Eng. Sum. 1975

025619 450 EN3B
Moss [Musci] parasitic species of lichen genera Micarea and Vezdaea [New taxa]. (Ger) Poelt, J; Dobbeler, P *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 328-352. Ref. Eng. Sum. 1975

025620 450 EN3B
New studies on the embryology and systematics of Centrolepidaceae. (Ger) Hamann, U *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 154-191. Ref. Eng. Sum. 1975

025621 450 EN3B
On ABromeitiella brevifolia and Abromeitiella chlorantha (Bromeliaceae) [New taxa]. (Ger) Schultze-Motel, W *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 423-426. Eng. Sum. 1975

025622 450 EN3B
Pollen systematic studies of the genus Silene L. (Caryophyllaceae). (Ger) Melzheimer, V *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 215-225. Eng. Sum. 1975

025623 450 EN3B
Preliminary work of a monograph on the lichen family Roccellaceae Chev. I. The genus Sagenidium Stirt. [New taxa]. (Ger) Follmann, G *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 45-42. Ref. Eng. Sum. 1975

025624 450 EN3B
Reduction of flowers as a central problem in the systematics of angiosperms. (Ger) Wagenitz, G *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 448-470. Ref. Eng. Sum. 1975

025625 450 EN3B
Relationships between distribution and evolution in some heterogathmic tropical groups [Plants]. Kubutski, K *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 212-230. Maps. Ref. 1975

025626 450 EN3B
Revision of algicolous Zignoella spp. And description of Pontogeneia gen. nov. (Ascomycetes) [New taxa]. Kolhmeyer, J *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 200-211. Ref. 1975

025627 450 B6582
A new species of Polysiphonia from the Baltic Sea [Algae]. Kaminski, E; Nizamuddin, M *Bot Mar* 18 (4): 237-239. Dec 1975

025628 450 B6582
Marine algae of northern Greece. Haritonidis, S; Tsekos, I *Bot Mar* 18 (4): 203-221. Map. Ref. Dec 1975

025629 450 B6582
Studies on Indian Gracilaria. I. Carpospore and tetraspore germination and early stages of development in Gracilaria corticata J. Ag. [Algae]. Oza, R M *Bot Mar* 18 (4): 199-210. Dec 1975

025630 450 B6582
The genus Porphyra C. Ag. (Rhodophyta-Bangiales) in the American South Atlantic. I. Brazilian species [Algae]. Oliveira Filho, E C de; Coll, J *Bot Mar* 18 (4): 191-197. Ref. Dec 1975

025631 450 B6582
Yukio Yamada [Japanese taxonomist, algae]. Nisizawa, K *Bot Mar* 18 (4): V. Dec 1975

025632 450 B77
A systematic study of the genus Hulsea (Asteraceae). Wilken, D H *Brittonia* 27 (3): 228-244. Maps. Ref. July/Sept 1975

025633 450 B77
Ecogeographic races of Lesquerella engelmannii (Cruciferae): distribution, chromosome numbers, and taxonomy. Clark, C *Brittonia* 27 (3): 263-278. Maps. Ref. July/Sept 1975

025634 450 B77
Revision of the genus Joosia (Rubiaceae) [New taxa]. Steyermark, J A *Brittonia* 27 (3): 251-262. Ref. July/Sept 1975

025635 450 B77
Stem aerenchyma as a character separating Hymenachne and Sacciolepis (Gramineae, Panicoideae). Pohl, R W; Lersten, N R *Brittonia* 27 (3): 223-227. July/Sept 1975

025636 450 B77
Systematic relationships in the narrow-leaved species of Chenopodium of the western United States. Crawford, D J *Brittonia* 27 (3): 279-288. Ref. July/Sept 1975

025637 450 B77
Systematics of the Calyptridium umbellatum complex (Portulacaceae). Hinton, W F *Brittonia* 27 (3): 197-208. Maps. Ref. July/Sept 1975

025638 450 B77
The variation and evolution of selected species of Solanum section Basarthrum [New taxa]. Anderson, G J *Brittonia* 27 (3): 209-222. Map. Ref. July/Sept 1975

025639 450 B84
A new exsiccata from the northernmost parts of North America: Steere and Holmen, Bryophyta Arctica Exsiccata, fascicle 1, numbers 1-50 [Musci]. Steere, W C *Bryologist* 78 (3): 356-358. Fall 1975

025640 450 B84
Additional new and noteworthy records for Hawaiian mosses. 3. Hoe, W J *Bryologist* 78 (3): 359-360. Fall 1975

025641 450 B84
New or additional moss records from Newfoundland. Brassard, G R *Bryologist* 78 (3): 363-365. Fall 1975

025642 450 B84
New state records of lichens from northern California. Tucker, S C; Kowalski, D T *Bryologist* 78 (3): 366-368. Fall 1975

025643 450 B84
Occurrence of Entodon cladorrhizans in Alaska, with notes on geographical distribution of Entodon concinnus [Musci]. Steere, W C *Bryologist* 78 (3): 334-342. Map. Ref. Fall 1975

025644 450 B84
Taxonomic revision of Aloina, Aloinella and Crossidium (Musci). Delgadillo M, C *Bryologist* 78 (3): 245-303. Maps. Ref. Fall 1975

025645 450 B84
Three interesting and unusual mosses discovered in east Tennessee [Funaria americana, Ptychomitrium serratum, Turtula ruralis]. Smith, D K *Bryologist* 78 (3): 370-371. Ref. Fall 1975

025646 QK600.B7
Centenary of Pilaira (Van Tieghem, 1875) [Fungi, new taxa]. Fletcher, H J *Bull Br Mycol Soc* 9 (2): 109. Autumn 1975

025647 QK600.B7
Guide to the literature for the identification of British fungi (3rd edition). Holden, M *Bull Br Mycol Soc* 9 (2): 67-105. Autumn 1975

025648 QK600.B7
Prehistoric puff-balls [Fungi, paleobotany]. Watling, R *Bull Br Mycol Soc* 9 (2): 112-114. Autumn 1975

025649 QK600.B7
Society autumn foray Cambridge, 5th—12th September, 1974. List of species [Fungi]. *Bull Br Mycol Soc* 9 (2): 59-66. Autumn 1975

025650 451 F84B
Further study of diatoms in some present or quaternary, hydrothermal and lacustrine carbonate sedimentation from central Afghanistan. (Fre) Pierre, J F; Lang, J *Bull Soc Bot Fr* 122 (5/6): 217-223. Ref. Eng. Sum. 1975

025651 451 F84B
The species concept and the taxonomy of the genus Amelanchier (Rosaceae). (Fre) Landry, P *Bull Soc Bot Fr* 122 (5/6): 243-251. Ref. Eng. Sum. 1975

025652 505 P21 (3)
Study of the pollen in less succulent Mesembryanthemaceae [Taxonomy, anatomy]. (Fre) Dupont, S *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 791-794. Eng. Sum. Sept 22, 1975

025653 450 C113
Caralluma incarnata var. Alba (G. Don) N.E. Br. Holland, R W K *Cac Suc J G B* 37 (4): 79. Nov 1975

025654 450 C113
The flowers of Opuntia glomerata Haw. And Opuntia andicola Pfeiff. Leighton-Boyce, G *Cac Suc J G B* 37 (4): 75-76. Nov 1975

025655 470 C16C
A key and annotated synopsis of the mosses [Musci] of the northern lowlands of Devon Island, Northwest Territories, Canada. Vitt, D H *Can J Bot* 53 (19): 2158-2197. Map. Ref. Oct 1, 1975

025656 470 C16C
A key and annotated synopsis of the mosses of the northern lowlands of Devon Island, North West Territories, Canada. Vitt, D H *Can J Bot* 53 (19): 2158-2197. Map. Ref. Oct 1, 1975

025657 470 C16C
Additions to the genus Delitschia [Fungi, new taxa]. Luck-Allen, E R; Cain, R F *Can J Bot* 53 (17): 1827-1887. Ref. Sept 1, 1975

025658 470 C16C
Cladistic analysis of the diploid and hexaploid oats (Avena, Poaceae) using numerical techniques. Baum, B R *Can J Bot* 53 (19): 2115-2127. Ref. Oct 1, 1975

025659 470 C16C
Dendrogram topology: nomenclature [Trees]. Phipps, J B *Can J Bot* 53 (18): 2047-2049. Sept 15, 1975

025660 470 C16C
Fossil dinoflagellates: index to genera and species. Supplement 1. [Paleobotany]. Lentin, J K; Williams, G L *Can J Bot* 53 (19): 2147-2157. Ref. Oct 1, 1975

025661 470 C16C
Fossil dinoglagellates: index to genera and species. Supplement 1. Lentin, J K; Williams, G L *Can J Bot* 53 (19): 2147-2157. Ref. Oct 1, 1975

025662 470 C16C
Genera coelomycetum. XII. Tracyella and Amerodiscosiella [Fungi]. Nag Raj, T R *Can J Bot* 53 (21): 2435-2442. Nov 1, 1975

025663 470 C16C
New microfungi on coastal Douglas fir [Pseudotsuga menziesii, Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, Phomopsis porteri]. Funk, A *Can J Bot* 53 (20): 2297-2302. Oct 15, 1975

025664 470 C16C
P-type sieve-element plastids and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella) [Identification]. Behnke, H D; Mabry, T J; Eifert, I J; Pop, L *Can J Bot* 53 (19): 2103-2109. Ref. Oct 1, 1975

025665 470 C16C
Revision of the Seuratiaceae. II. Taxonomy and monenclature of Seuratia [Fungi]. Meeker, J A *Can J Bot* 53 (21): 2483-2496. Ref. Nov 1, 1975

025666 470 C16C
The hepatic flora of Alberta: a phytogeographical analysis. Bird, C D; Hong, W S *Can J Bot* 53 (17): 1745-1768. Map. Ref. Sept 1, 1975

025667 443.8 C16
Karyological data on some species of the genus Cura (Tricladida, Paludicola). Gourbault, N; Benazzi, M *Can J Genet Cytol* 17 (3): 345-354. Ref. Sept 1975

025668 450 SO82
Contributions to the flora of Florida. 9. Psychotria (Rubiaceae). Burch, D; Wunderlin, R P; Ward, D B *Castanea* 40 (4): 273-279. Maps. Ref. Dec 1975

025669 450 SO82
Contributions to the flora of Florida. 7. Elephantopus, Pseudo-elephantopus (Compositae). Ward, D B *Castanea* 23 (1): 213-217. Map. Sept 1975

025670 450 SO82
Factors affecting the distribution of vegetation of abandoned rice fields, Georgetown County, South Carolina. Baden, J III; Batson, W T; Stalter, R *Castanea* 40 (3): 171-184. Map. Ref. Sept 1975

025671 450 SO82
Ferns and other primitive vascular plants of central south Georgia. Faircloth, W R *Castanea* 23 (1): 217-228. Map. Ref. Sept 1975

025672 450 SO82
Mississippi flora. III. Distribution and identification of the Brassicaceae. Jones, S B Jr *Castanea* 23 (1): 238-252. Maps. Ref. Sept 1975

025673 450 SO82
New pteridophyte records in the Highlands Biological Station area, southern Appalachians [Pteridophyta]. Pittillo, J D; Wagner, W H Jr; Farrar, D R; Leonard, S W *Castanea* 40 (4): 263-272. Ref. Dec 1975

025674 450 SO82
On separating Ohio specimens of Lindernia dubia and Lindernia anagallidea (Scrophulariaceae). Cooperrider, T S; McCready, G A *Castanea* 23 (1): 191-197. Sept 1975

025675 450 SO82
Taxus canadensis Marsh.: a new state record for Tennessee. Gonsoulin, G *Castanea* 23 (1): 253-255. Map. Sept 1975

025676 450 SO82
The cedar glade flora of Bullitt County, Kentucky. Baskin, C C; Baskin, J M *Castanea* 23 (1): 184-190. Ref. Sept 1975

025677 450 SO82
The vascular flora and vegetation in the Green River Gorge, North Carolina. Racine, C H; Hardin, J W *Castanea* 40 (4): 319-345. Map. Ref. Dec 1975

025678 279.8 C46
Cetraria islandica [Lichenes] on the territory of the city of Kielce. (Pol) Toborowicz, K *Chron Przyr Ojczysta* 31 (1): 72-75. Map. Jan/Feb 1975

025679 279.8 C46
Investigations of the flora of the Tatry National Park. (Pol) Piekos, H *Chron Przyr Ojczysta* 30 (6): 52-58. Nov/Dec 1974

025680 279.8 C46
Map of the distribution of national parks in Poland's geobotanical regions. (Pol) Gawlowska, J *Chron Przyr Ojczysta* 30 (6): 5-10. Maps. Eng. Sum. Nov/Dec 1974

025681 279.8 C46
The river birch Betula obscura in the West Carpathian Mountains. (Pol) Filkowa, B *Chron Przyr Ojczysta* 30 (1): 65-67. Jan/Feb 1974

025682 279.8 C46
[New] locality of Lycopodium complantaum [Pteridophyta] by the shores of the river Pilica. (Pol) Kurowski, J K *Chron Przyr Ojczysta* 31 (1): 72. Jan/Feb 1975

025683 Q33.C5
Caulerpa kempfii Joly et Pereira, a new Caulerpa from northeastern Brazil. Joly, A B; Pereira, S M B *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 417-419. Apr 1975

025684 QK1.C8
Additions and corrections to O. Eriksson, A. Hansen & P. Sunding: "Flora of Macaronesia. Checklist of vascular plants 1974". Kunkel, G *Cuad Bot Canaria* 23/24: 29-59. Mar 1975

025685 QK1.C8
Contributions to a knowledge of the Macaronesian Santalaceae R. Br. [New taxa]. (Ger) Kammer, F *Cuad Bot Canaria* 23/24: 69-79. Ref. Eng. Sum. Mar 1975

025686 QK1.C8
Observations on the lichen flora and vegetation of the Canary Islands. 1. Ochrolechia szatalaensis Vers (Pertusariaceae). (Spa) Follmann, G *Cuad Bot Canaria* 23/24: 25-27. Eng. Sum. Mar 1975

025687 QK1.C8
Two new species of Parolinia (Brassicaceae) from Gran Canaria. (Spa) Kunkel, G *Cuad Bot Canaria* 23/24: 61-68. Ref. Eng. Sum. Mar 1975

025688 QK1.C8
Vertical distribution of vegetation on Pico Island, Azores. (Ger) Lupnitz, D *Cuad Bot Canaria* 23/24: 15-24. Ref. Eng. Sum. Mar 1975

025689 475 SCI23
Microplanktons from tethyan sequence of Niti Pass, Kumaon Himalayas, India [Includes fossil pollen]. Nautiyal, A C *Curr Sci* 44 (22): 808-809. Nov 20, 1975

025690 QH573.C92
Chromosome numbers of certain species of flowering plants in the flora of the Aragats Mountain Range [Cytotaxonomy]. Pogosyan, A I *Cytol Genet* 8 (5): 62-64. Ref. 1974

025691 99.8 ER2
The more important tree varieties of the Vietnam forests. (Hun) Kiraly, P *ERFA (Erdogazdasag Faipar)* 10: 9, 15. Oct 1975

025692 410 F276
Some endangered succulents of the Transvaal. Germishuizen, G *Fauna Flora (Pretoria)* 26: 5-7. Aug 1975

025693 450 R29
A moss flora of Iraq [Bryophyta]. Agnew, S; Vondracek, M *Feddes Repert* 86 (6/8): 341-489. Maps. Ref. Oct 20, 1975

025694 500 C432B
Austral Hepaticae. III. Stolonophora, a new genus of Geocalycaceae. Engel, J J; Schuster, R M *Fieldiana Bot* 36 (11): 111-124. Aug 27, 1975

025695 451 N47F
Gramineae. Vickery, J W *Flora N S W* 19 (Suppl. Pt. 1, Pt. 2): 125-306. 1975

025696 460.44 T86
Melastomataceae [Taxonomy]. Wickens, G E *Flora Trop East Afr* 96 P. Map. May 19, 1975

025697 QK358.F62
Aceraceae. Murray, E *Flora West Pak* 92, 7 P. Map. Sept 16, 1975

025698 QK358.F62
Resedaceae. Nasir, Y *Flora West Pak* 90, 9 P. Map. Aug 1, 1975

025699 81 H74
Ilex aquifolium in Great Britain. Thomson, B F *Holly Lett* 53: 3-4. Oct 1975

025700 410 H992
Raft fouling in the Menai Strait, 1963-1971 [Algae, Arthropoda]. Fry, W G *Hydrobiologia* 47 (3/4): 527-558. Ref. Dec 1, 1975

025701 QK898.F5F550
Evolution of flavonoid compounds. Swain, T *In Flavonoids* Pt. 2: 1096-1129. Ref. 1975

025702 QK898.F5F550
The biochemical systematics of flavonoids. Harborne, J B *In Flavonoids* Pt. 2: 1056-1095. Ref. 1975

025703 99.8 IN2
Porpax meirax (par. Et Reichb. F.) K. & P. (Orchidaceae) first report of its occurrence in India. Deori, N C; Malhotra, C L *Indian For* 101 (11): 689-691. Map. Nov 1975

025704 99.8 IN2
Senecio jowaiensis Balakr. (Asteraceae)—a new species from Meghalaya, India. Balakrishnan, N P *Indian For* 101 (11): 703-705. Nov 1975

025705 99.8 IT12
Dendrochronology, radiocarbon, palynology at Colosseum. (Ita) Corona, E *Ital For Mont* 29 (3): 117-118. Eng. Sum. May/June 1974

025706 99.8 IT12
Recent experimental investigations on the Apennine fir [Abies, taxonomy]. (Ita) Giacobbe, A *Ital For Mont* 29 (4): 137-144. Ref. July/Aug 1974

025707 442.9 AK124
New for Turkmenistan species of aphyllophorous fungi. (Rus) Orlov, V A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 19-22. Eng. Sum. 1975

025708 442.9 AK124
New species and varieties in the genus Astragalus from Kopet Dagh mountains. (Rus) Nikitin, V V *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 20-23. 1975

025709 99.8 IZ8
Growth and productivity of representatives of North American tree flora on the Black Sea coast of the Caucasus. (Rus) Dudarev, A D; Dusha, V I; Kosarev, N G; Uspenskii, V V *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 28-32. 1975

025710 450 J8223
A new hybrid of Cacalia from Nagano Prefecture. (Jpn) Ito, S; Koyama, H *J Jap Bot* 50 (10): 300-304. Eng. Sum. Oct 1975

025711 450 J8223
Four new species of Cladonia [Lichenes] from Asia. Nuno, M *J Jap Bot* 50 (10): 289-297. Ref. Oct 1975

025712 450 J8223
Miscellaneous notes on the naturalized flora of Japan. (Jpn) Asai, Y *J Jap Bot* 50 (10): 311-316. Eng. Sum. Oct 1975

025713 450 J8223
Nomenclatural changes in several Himalayan Leguminosae. Ohashi, H *J Jap Bot* 50 (10): 305-309. Oct 1975

025714 450 J8223
On Theopsis chrysantha Hu [New taxa]. (Jpn) Tuyama, T *J Jap Bot* 50 (10): 297-299. Oct 1975

025715 450 J8223
Sphaeronostoc pruniforme (Ag.) Elenk. [Algae] collected in Baikal Lake. (Jpn) Kobayasi, Y *J Jap Bot* 50 (10): 316-318. Oct 1975

025716 450 J8223
Supplement notes on Drymaria from Taiwan. (Jpn) Jotani, Y *J Jap Bot* 50 (10): 309-310. Oct 1975

025717 514 SY24
A note on the fossil [Dicroidium] megafloras of the Nymboida and Red Cliff Coal Measures, southern Clarence-Moreton Basin, New South Wales. Flint, J C E; Gould, R E *J Proc R Soc N S W* 108 (1/2): 70-74. Map. Ref. 1975

025718 514 P432
Preliminary investigation of the palynology of the upper Eocene Wirillup Formation, Western Australia. Hos, D *J R Soc West Aust* 58 (1): 1-14. Map. May 1975

025719 QK495.C11K3
Cactus [Cactaceae] flowers in the Argentine highlands. (Ger) Borth, H *Kakteen Sukkulenten* 26 (11): 254-257. Map. Nov 1975

025720 QK495.C11K3
Gymnocalycium matoense Buining & Brederoo spec. Nov. (Ger) Buining, A F H; Brederoo, A J *Kakteen Sukkulenten* 26 (12): 265-268. Dec 1975

025721 QK495.C11K3
Pseudopilocereus azureus Buining & Brederoo spec. Nov. (Ger) Buining, A F H; Brederoo, A J *Kakteen Sukkulenten* 26 (11): 241-243. Nov 1975

025722 QK495.C11K3
Rebutia (Aylostera) schatzliana Rausch spec. Nov. (Ger) Rausch, W *Kakteen Sukkulenten* 26 (11): 244-245. Nov 1975

025723 QK495.C11K3
Systematic position of Disocactus himantocladus. 1. (Ger) Barthlott, W *Kakteen Sukkulenten* 26 (11): 246-249. Nov 1975

025724 QK495.C11K3
Systematic position of Disocactus himantocladus. 2. (Ger) Barthlott, W *Kakteen Sukkulenten* 26 (12): 278-280. Ref. Dec 1975

025725 QK495.C11K3
The genus Turbinicarpus (Backeberg) Buxbaum & Backeberg. (Ger) Frank, G *Kakteen Sukkulenten* 26 (12): 268-273. Dec 1975

025726 451 K51B
A comparative account of the fern-genera Syngramma J. Sm. and Taenitis Willd., with discussion of their relationships to each other and to other genera [New taxa]. Holttum, R E *Kew Bull* 30 (2): 327-343. Ref. 1975

025727 451 K51B
A new name for Pentas geophila (Rubiaceae). Verdcourt, B *Kew Bull* 30 (2): 344. 1975

025728 451 K51B
A new species of Achyranthes [ancistrophora] (Amaranthaceae) from Thailand. Townsend, C C *Kew Bull* 30 (2): 223-224. 1975

025729 451 K51B
A new Wellstedia [filtuensis] (Boraginaceae) from Ethiopia. Hunt, D R; Lebrun, J P *Kew Bull* 30 (2): 222. 1975

025730 451 K51B
Basidiospore form in the British species of Naucoria, Simocybe and Phaeogalera [Fungi]. Pegler, D N; Young, T W K *Kew Bull* 30 (2): 225-240. Ref. 1975

025731 451 K51B
Cyrtandra (Gesneriaceae) in the Bismarck Archipelago and Solomon Islands [New taxa]. Gillett, G W *Kew Bull* 30 (2): 371-412. Maps. 1975

025732 451 K51B
Four new taxa in Turkish Crocus (Iridaceae). Baytop, T; Mathew, B; Brighton, C *Kew Bull* 30 (2): 241-246. 1975

025733 451 K51B
New or interesting British microfungi. III. Dennis, R W G *Kew Bull* 30 (2): 345-365. 1975

025734 451 K51B
New sectional names in Spermacoce and a new tribe Virectarieae (Rubiaceae). Verdcourt, B *Kew Bull* 30 (2): 366. 1975

025735 451 K51B
Notes on Euodia (Rutaceae) in the Mascarene Islands [New taxa]. Coode, M J E *Kew Bull* 30 (2): 215-221. 1975

025736 451 K51B
Species of the subtribe Sevadinae (Chenopodiaceae) [New taxa]. Botschantzev, V *Kew Bull* 30 (2): 367-370. 1975

025737 451 K51B
Studies in the Rubiaceae—Rubioideae for the Flora of Tropical East Africa. I. [New taxa]. Verdcourt, B *Kew Bull* 30 (2): 247-326. 1975

025738 451 K51B
The pachycaul Senecio species of St. Helena, 'Cacalia paterna' and 'Cacalia materna'. Mabberley, D J *Kew Bull* 30 (2): 413-420. Ref. 1975

025739 99.8 L93
Plant species checklist for the Lac des Allemands swamp area of Louisiana. Conner, W H; Noble, R E; Day, J W Jr; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 113, 5 P. July 1975

025740 451 P214
Descriptive flora of the Nimba mountains. 3. [New taxa]. (Fre) Adam, J G *Mem Mus Nat Hist Nat, Nouv Ser, Ser B Bot (Paris)* (New Ser.) 24: 913-1374. 1975

025741 451 P214
Descriptive flora of the Nimba mountains. 4. Descriptive inventory of the flora of the Nimba mountains (Ivory Coast, Guinea, Liberia). 4. [New taxa]. (Fre) Adam, J G *Mem Mus Nat Hist Nat, Nouv Ser, Ser B Bot (Paris)* 25: 1381-1586. 1975

025742 QK600.M5
A conference dedicated to the up-to-date systematics of fungi [February 4-5, 1975, Moscow, USSR]. (Rus) Gorlenko, M V *Mikol Fitopatol* 9 (5): 455. 1975

025743 QK600.M5
Geographical elements of the Discomycetes flora in the Kazakhstan part of the Altai. (Rus) Kazhieva, N T *Mikol Fitopatol* 9 (5): 435-436. 1975

025744 QK600.M5
Macromycetes [Fungi] of bushy and ericaceous tundra in the valleys of Great and Small Vud"iavrs Lakes in the Khibiny Mountains. (Rus) Mikhailovskii, L V *Mikol Fitopatol* 9 (4): 293-298. 1975

025745 QK600.M5
The collection of fungi in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, Aphyllophorales, Tulasnellales, Dacrymycetales, Auriculariales, Tremellales. (Rus) Bondartseva, M A; Davydkina, T A; Lebedeva, E V *Mikol Fitopatol* 9 (4): 363-366. 1975

025746 QK600.M5
The effect of ecological factors on the vertical distribution of micromycetes [including plant pathogenic fungi] in soils of East Georgia [USSR]. (Rus) Dadalauri, T G *Mikol Fitopatol* 9 (4): 327-331. 1975

025747 QK600.M5
The mycoflora of sandy desert soils covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the Repetek Reservation. (Rus) Litvinov, M A; Smirnova, N V *Mikol Fitopatol* 9 (5): 377-380. 1975

025748 QK600.M5
The status of higher basidial fungi in the systematics of organisms. (Rus) Bondartseva, M A; Shivrina, A N *Mikol Fitopatol* 9 (5): 446-450. Ref. 1975

025749 QH171.M65
Vertical distribution of the natural and introduced flora on the central southwestern slope of Tenerife (with examples of vegetation types). (Ger) Voggenreiter, V *Monogr Biol Canarienses* 6, 47 P. Ref. May 1975

025750 QH301.M6
Shoot morphology and taxonomic position of Carex curvula All. Alekseev, YU E *Moscow Univ Biol Sci Bull* 29 (5/6): 97-99. 1974

025751 450 M88
A fruiting occurrence of Bryum algen Card. [Musci] in east Antarctica. Filson, R B; Willis, J H *Muelleria* 3 (2): 112-116. Maps. July 8, 1975

025752 450 M88
A new Grevillea [microstegia] species from western Victoria. Molyneux, W M *Muelleria* 3 (2): 141-145. July 8, 1975

025753 450 M88
Four new species of plants endemic in the Macdonnell and George Gill Ranges, Central Australia [Portulaca filsonii, Euphorbia sarcostemmoides, Ricinocarpos gloriamedii, Leucopogon sonderensis]. Willis, J H *Muelleria* 3 (2): 89-101. July 8, 1975

025754 450 M88
Grevillea willsii (Proteaceae) a new Victorian species. Smith, R V; McGillivray, D J *Muelleria* 3 (2): 102-111. July 8, 1975

025755 450 M88
Studies in Antarctic lichens. III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the Antarctic and moss-inhabiting species of Rinodina from other parts of the world. Filson, R B *Muelleria* 3 (2): 117-121. July 8, 1975

025756 450 M88
Studies in Antarctic lichens IV. Notes on Umbilicaria aprina Nyl. Filson, R B *Muelleria* 3 (2): 130-140. July 8, 1975

025757 450 M88
Studies in Antarctic lichens. V. Lichenes Antarctici Exsiccati, Fascicle I, with additonal notes on the taxonomy of each species. Filson, R B *Muelleria* 3 (2): 146-158. Map. Ref. July 8, 1975

025758 450 M88
Trachycarpidium [Musci] in Queensland, Australia. Stone, I G *Muelleria* 3 (2): 122-129. Ref. July 8, 1975

025759 409.6 AS2
Distantes (Pinnularia, Bacillariophyceae). A critical compilation [New taxa, algae]. (Ger) Bock, W *Nachr Naturwiss Mus Stadt Aschaffenburg* 83, 46 P. Ref. Sept 1975

025760 472 N21
Antarctic glaciation and early Tertiary vegetation [Pollen studies]. Kemp, E M; Barrett, P J *Nature* 258 (5535): 507-508. Map. Ref. Dec 11, 1975

025761 409 N392
The genus Taraxacum [New taxa]. (Ger) Doll, R *Neue Brehm Bucherei* 473, 158 P. Maps. Ref. 1974

025762 450 N852 SUPPL.
A comparison of Torrendia (Gasteromycetes) with Amanita (Agaricales) [Fungi]. Bas, C *Nova Hedwigia Beih* 51: 53-60. 1975

025763 450 N852 SUPPL.
A new species of Boletopsis [smithii, Fungi]. Harrison, K A *Nova Hedwigia Beih* 51: 119-121. 1975

025764 450 N852 SUPPL.
A new species of Cortinarius (Telamonia) [ahsii, Fungi] from the Rocky Mountains. McKnight, K H *Nova Hedwigia Beih* 51: 177-182. Ref. 1975

025765 450 N852 SUPPL.
A reevaluation of Panellus and Dictyopanus (Agaricales) [Fungi, new taxa]. Burdsall, H H Jr; Miller, O K Jr *Nova Hedwigia Beih* 51: 79-91. Ref. 1975

025766 450 N852 SUPPL.
A revision of the genus Alpova with notes on Rhizopogon and the Melanogastraceae [Fungi, new taxa]. Trappe, J M *Nova Hedwigia Beih* 51: 279-309. Ref. 1975

025767 450 N852 SUPPL.
Cortinarius, section Dermocybe: further studies on Cortinarius aureifolius [Fungi]. Ammirati, J F; Gilliam, M S *Nova Hedwigia Beih* 51: 39-52. Ref. 1975

025768 450 N852 SUPPL.
Exploring for mushrooms with A. H. Smith. Smith, H V *Nova Hedwigia Beih* 51: 1-24. 1975

025769 450 N852 SUPPL.
Fungus collections from the E. S. George Reserve, Livingston County, Michigan. Hoseney, F V *Nova Hedwigia Beih* 51: 145-162. 1975

025770 450 N852 SUPPL.
Identity of two uncommon Amanitas [Fungi] in Quebec. Pomerleau, R *Nova Hedwigia Beih* 51: 191-197. Ref. 1975

025771 450 N852 SUPPL.
Interesting and new species of Basidiomycetes [Campanella, Russula, Fungi] from Ecuador. Singer, R *Nova Hedwigia Beih* 51: 239-246. 1975

025772 450 N852 SUPPL.
New and interesting species of Agaricales [Fungi] of Mexico. Guzman, G *Nova Hedwigia Beih* 51: 99-118. Ref. 1975

025773 450 N852 SUPPL.
New and interesting fungi from Alaska. Wells, V L; Kempton, P E *Nova Hedwigia Beih* 51: 347-358. 1975

025774 450 N852 SUPPL.
New or interesting records of British Hymenomycetes [Fungi]. VI. Reid, D A *Nova Hedwigia Beih* 51: 199-206. Ref. 1975

025775 450 N852 SUPPL.
New species of Crepidotus [viridiphyllus] (Fr.) Staude [Fungi]. Hesler, L R *Nova Hedwigia Beih* 51: 133-137. 1975

025776 450 N852 SUPPL.
Notes on cantharelloid fungi. V. A new species of Cantharellus [ignicolor]. Petersen, R H *Nova Hedwigia Beih* 51: 183-189. 1975

025777 450 N852 SUPPL.
Notes on fungi of the Owyhee region. Trueblood, E *Nova Hedwigia Beih* 51: 311-318. 1975

025778 450 N852 SUPPL.
Notes on Western species of Helvella. I. [Fungi, new taxa]. Weber, N S *Nova Hedwigia Beih* 51: 25-38. Ref. 1975

025779 450 N852 SUPPL.
Phylogenetic relationships within the genus Pluteus [Fungi]. Homola, R L *Nova Hedwigia Beih* 51: 139-144. 1975

025780 450 N852 SUPPL.
Scanning electron microscopy of basidiospores as an indication of relationships among hypogeous Gasteromycetes [Fungi]. Hawker, L E *Nova Hedwigia Beih* 51: 123-132. Ref. 1975

025781 450 N852 SUPPL.
Smithiogaster, a new genus of agaricoid Gasteromycetes [Fungi]. Wright, J E *Nova Hedwigia Beih* 51: 359-364. 1975

025782 450 N852 SUPPL.
Some common North American species of Russula subsect. Emeticinae [Fungi, new taxa]. Shaffer, R L *Nova Hedwigia Beih* 51: 207-237. 1975

025783 450 N852 SUPPL.
Some new North American species of Tomentella [Fungi, new taxa]. Larsen, M J *Nova Hedwigia Beih* 51: 171-175. 1975

025784 450 N852 SUPPL.
Studies in fruit-body development in the Bolbitiaceae [Fungi] and the [taxonomic] implications of such work. Watling, R *Nova Hedwigia Beih* 51: 319-346. Ref. 1975

025785 450 N852 SUPPL.
Studies in the Tricholomataceae: Hygrophoropsis, Cantharellula, Myxomphalia, Omphaliaster [Fungi, new taxa]. Bigelow, H E *Nova Hedwigia Beih* 51: 61-77. Ref. 1975

025786 450 N852 SUPPL.
Studies on higher fungi; a collection of papers dedicated to Dr. Alexander H. Smith on the occasion of his seventieth birthday. Bigelow, H E ed; Thiers, H D ed *Nova Hedwigia Beih* 51, 372 P. Ref. 1975

025787 450 N852 SUPPL.
Taxonomic studies on the genus Rhizopogon [Fungi]. I. Two new species from the Pacific Northwest. Hosford, D R *Nova Hedwigia Beih* 51: 163-169. Ref. 1975

025788 450 N852 SUPPL.
The status of the genus Suillus [Fungi] in the United States. Thiers, H D *Nova Hedwigia Beih* 51: 247-278. Ref. 1975

025789 501 L84PB
Ficus in the New Hebrides. Corner, E J H *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 343-367. Ref. Nov 13, 1975

025790 501 L84PB
Flora and vegetation of the suthern region of the New Hebrides Archipelago. (Fre) Schmid, M *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 329-342. Eng. Sum. Nov 13, 1975

025791 501 L84PB
The phanerogamic flora of the New Hebrides and its relationships. Chew, W L *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 315-328. Ref. Nov 13, 1975

025792 501 L84PB
The phytogeographical relationships and origin of the New Hebrides fern flora [Pteridophyta]. Braithwaite, A F *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 293-313. Ref. Nov 13, 1975

025793 450 OS7
Further taxonomic notes on Rubiaceae in Europe [Galium, Cruciata]. Ehrendorfer, F *Plant Syst Evol* 124 (2): 173-178. 1975

450 OS7
Hybrids and hybrid taxa from Ophrys bertolonii and Ophrys atrata (Ochidaceae) [Italy]. (Ger) Danesch, O; Danesch, E; Ehrendorfer, F; Ehrendorfer, K *Plant Syst Evol* 124 (2): 79-123. Ref. Eng. Sum. 1975

025794 450 P762
Bibliographic references [Palynology]. (Fre) Van Campo, M; Millerand, C *Pollen Spores* Suppl., 68 P. Ref. 1975

025795 450 P762
Earliest Devonian miospores from the province of Leon, Spain. Cramer, F H; Diez, M del C R *Pollen Spores* 17 (2): 331-344. Map. Ref. 1975

025796 450 P762
Electron microscopical investigations of the Normapolles group and some other selected European and North American angiosperm [fossil] pollen. I. Stanley, E A; Kedves, M *Pollen Spores* 17 (2): 233-271. Ref. 1975

025797 450 P762
Palynological determination of dust storms provenances in Israel. Horowitz, A; Weinstein, M; Ganor, E *Pollen Spores* 17 (2): 223-231. Maps. 1975

025798 450 P762
Palynology of some Upper Cretaceous coals of Black Mesa, Arizona. Romans, R C *Pollen Spores* 17 (2): 273-329. Map. Ref. 1975

025799 GB1627.G8C6
A preliminary study on the occurrence and distribution of geofungi in Lake Ontario near the Niagara River [Fungi, distribution]. Qureshi, A A; Dutka, B J *Proc Conf Great Lakes Res* 17th (Pt. 2): 653-662. Ref. 1974

025800 GB1627.G8C6
Phytoplankton [Algae] biomass, species composition and primary production at a nearshore and a midlake station of Lake Ontario during IFYGL (IFYGL) International Field Year for the Great Lakes. Munawar, M; Stadelmann, P; Munawar, I F *Proc Conf Great Lakes Res* 17th (Pt. 2): 629-652. Map. Ref. 1974

025801 420 W27
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a seed predator of Cassia grandis L. (Caesalpiniaceae) in Central America. Whitehead, D R; Kingsolver, J M *Proc Entomol Soc Wash* 77 (4): 460-465. Dec 1975

025802 513 N212 PT.B
Heterocephalum aurantiacum: its occurrence in Indian soil and its cellulolytic activity. Agarwal, C P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 369-372. Ref. Aug 1974

025803 S293.C6N31
Green algae. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 236-241. 1974

025804 442.8 P94
An ultrastructural study of pyrenoids in Leptosiropsis torulosa [Algae]. Wujek, D E; Camburn, K E; Andrews, H T *Protoplasma* 86 (1/3): 263-268. Ref. 1975

025805 QK1.N35
Checklist of the mosses of Ontario. Ireland, R R; Cain, R F *Publ Bot Mus Natl Sci Nat Mus Natl Can* 5, 67 P. Ref. 1975

025806 23 Q33
Some native ground orchids [Orchidaceae]. Lebler, B A *Queensl Agric J* 101 (4): 498-506. July/Aug 1975

025807 450 R34
A revision of the North American genus Amorpha (Leguminosae-Psoraleae). Wilbur, R L *Rhodora* 77 (811): 337-409. Maps. Sept 1975

025808 450 R34
Chimaphila maculata in New Hampshire. Poole, J P *Rhodora* 77 (811): 436-437. Sept 1975

025809 450 R34
Geographical distribution of the cedar glade endemic Viola egglestonii. Baskin, J M; Baskin, C C *Rhodora* 77 (811): 427-429. Map. Sept 1975

025810 450 R34
Lactuca muralis in Maine. Poole, J P *Rhodora* 77 (811): 434. Sept 1975

025811 450 R34
Lactuca muralis in British Colombia. Witherspoon, J T; Watson, T J Jr *Rhodora* 77 (811): 435. Sept 1975

025812 450 R34
Papaver in North America north of Mexico. Kiger, R W *Rhodora* 77 (811): 410-422. Ref. Sept 1975

025813 450 R34
Recent additions to the marine algal flora of Nahant, Massachusetts. Webber, E E *Rhodora* 77 (811): 430-433. Ref. Sept 1975

025814 450 R34
The North American species, Boerhavia spicata (Nyctaginaceae) in northwestern Argentina. Cantino, P D *Rhodora* 77 (811): 423-426. Ref. Sept 1975

025815 QH91.A1S3
Navicula fucicola sp. Nov., a diatom living in the apical slit of Fucus vesiculosus L. (Phaeophyceae) [Algae]. Taasen, J P *Sarsia Univ Bergen* 59: 1-6. Ref. Nov 1, 1975

025816 470 SCI2
Albugo-like oogonia from the American carboniferous [Paleobotany]. Stidd, B M; Cosentino, K *Science* 190 (4219): 1092-1093. Dec 12, 1975

025817 410.9 SE5
Chionochloa species from Australia and New Guinea (Poaceae: Arundinoideae) [New taxa]. (Ger) Conert, H J *Senckenb Biol* 56 (1/3): 153-164. Map. 1975

025818 410.9 SE5
Merxmuellera guillarmodae Conert n. Sp. (Gramineae: Arundinoideae). (Ger) Conert, H J *Senckenb Biol* 56 (1/3): 145-152. 1975

025819 QK1.S6
Flora of the Marquesas. 1. Ericaceae-Convolvulaceae. Sachet, M H *Smithson Contrib Bot* 23, 34 P. Map. Ref. 1975

025820 QK1.S6
The mosses of Juan Fernandez Islands. Robinson, H *Smithson Contrib Bot* 27, 88 P. Ref. 1975

025821 56.8 SO3
Notes on the edaphic algae of the Galapagos [Chlamydomonas, Oscillatoria]. Archibald, P A; Bold, H C *Soil Sci* 120 (5): 400-402. Nov 1975

025822 409.6 SO8
Arceuthobium gillii in New Mexico. Hawksworth, F G; Weiss, M J *Southwest Nat* 20 (3): 418. Oct 10, 1975

025823 450 SV2
A new species Doassansia alismatis-oligococci Vanky on Alisma oligococcum in Sri Lanka. Vanky, K *Sven Bot Tidskr* 69 (1): 45-48. 1975

025824 450 SV2
Asplenium scolopendrium on Gotland's main island [Pteridophyta]. (Swe) Hagg, G *Sven Bot Tidskr* 69 (1): 74-75. Eng. Sum. 1975

025825 450 SV2
Mutinus caninus and Lycoperdon echinatum found at Kapellskar, Uppland [Fungi]. (Swe) Kers, L E *Sven Bot Tidskr* 69 (1): 28-32. Eng. Sum. 1975

025826 450 SV2
Stray studies in the Coronophorales (Pyrenomycetes). I-3. [Taxonomy]. Nannfeldt, J A *Sven Bot Tidskr* 69 (1): 49-66. Ref. 1975

025827 450 SV2
Studies on Physcia. II. Physcia endophoenicea new to Scandinavia. Moberg, G *Sven Bot Tidskr* 69 (1): 67-71. Map. 1975

025828 450 SV2
The fourth Swedish locality of Cryptothallus mirabilis [Musci]. Dickson, J H *Sven Bot Tidskr* 69 (1): 72-73. 1975

025829 450 T192
A review of the new classification systems of flowering plants (Angiospermatophyta, Magnoliophytina). Soo, C R de *Taxon* 24 (5/6): 585-592. Ref. Nov 1975

025830 450 T192
Amphitecna and Dendrosicus revisited (Bignoniaceae, tribe Crescentieae). Williams, L O *Taxon* 24 (5/6): 694-695. Nov 1975

025831 450 T192
Conspectus of a new classification of the Euphorbiaceae. Webster, G L *Taxon* 24 (5/6): 593-601. Nov 1975

025832 450 T192
Diphelypaea (Orobanchaceae), nom. Nov. And other cautherizations on a nomenclatural Hydra. Nicolson, D H *Taxon* 24 (5/6): 651-657. Ref. Nov 1975

025833 450 T192
Floral odors and quantitative taxonomy of Magnolia and Liriodendron. Thien, L B; Heimermann, W H; Holman, R T *Taxon* 24 (5/6): 557-568. Ref. Nov 1975

025834 450 T192
In reply to Mr. Welch, or the status and relationship of cultivar and botanical categories of infraspecific rank [Nomenclature]. Spongberg, S A; Shaw, E A *Taxon* 24 (5/6): 629-632. Nov 1975

025835 450 T192
IOPB [International organization of Plant Biosystematists] chromosome number reports L. Love, A *Taxon* 24 (5/6): 671-678. Nov 1975

025836 450 T192
Jacquin names again [Orchidaceae]. Dressler, R L; Williams, N H *Taxon* 24 (5/4): 647-650. Ref. Nov 1975

025837 450 T192
On classification by color [Plant taxonomy]. Bornstein, M H *Taxon* 24 (5/6): 581-584. Nov 1975

025838 450 T192
Pellia Raddi [nomenclature]. Grolle, R *Taxon* 24 (5/6): 693-694. Nov 1975

025839 450 T192
Problem of taxonomic definition of categories (species subspecies, prespecies, varieties)—the example of the genus complex Ophrys fuciflora (Crantz) Moench—Ophrys scolopax Moench—Ophrys scolopax Cav Cav. (Ger) Sundermann, H *Taxon* 24 (5/6): 615-627. Maps. Ref. Nov 1975

025840 450 T192
Proposal for the conservation of the generic name 1393b Phragmipedium Rolfe (1896) (Orchidaceae), against Uropedium Lindley (1846). Dressler, R L; Williams, N H *Taxon* 24 (5/6): 691-692. Nov 1975

025841 450 T192
Proposal for the conservation of the generic name 1779 Oncidium Swartz (Orchidaceae) with a conserved type species, Oncidium altissimum Sw. Dressler, R L; Williams, N H *Taxon* 24 (5/6): 692-693. Ref. Nov 1975

025842 450 T192
Reinstatement of an alleged nomen confusum and typification of Givotia Griff. (Euphorbiaceae) [Nomenclature]. Sreemadhavan, C P *Taxon* 24 (5/6): 695-696. Nov 1975

025843 450 T192
Some new chromosome numbers in the genus Acacia [Vyto taxonomy]. (Fre) Hamant, C; Lescanne, N; Vassal, J *Taxon* 24 (5/6): 667-670. Eng. Sum. Nov 1975

025844 450 T192
Taxonomic notes on Gracilaria mammillaris (Mont.) Howe and Gracilaria veleroae Dawson (Rhodophyta, Gigartinales) [Algae]. Schneider, C W *Taxon* 24 (5/6): 643-646. Ref. Nov 1975

025845 450 T192
The Progymnospermopsida: building a concept. Bonamo, P M *Taxon* 24 (5/6): 569-579. Ref. Nov 1975

025846 99.8 T62
Contribution to the knowledge of ecologicotaxonomic situation of the aspen (populus tremula L.) in Macedonia. (Cro) Nikolovski, T; Matvejeva, J *Topola* 18/19 (103/106): 122-124. Eng. Sum. July 1974/June 1975

025847 410.9 V67
Pollen analysis of the natural reforrestation on the Turracher Hohe [Austria]. (Ger) Kral, F *Verh Zool Bot Ges Wien* 114: 29-40. Map. Ref. 1974 (Pub. 1975)

025848 410.9 V67
Progress in potted plant systematics, floristics and vegetation science in Austria during 1961-1971. (Ger) Ehrendorfer, F; Furnkranz, D; Gutermann, W; Niklfeld, H *Verh Zool Bot Ges Wien* 114: 63-143. Ref. 1974 (Pub. 1975)

025849 410.9 V67
Second preliminary study of the new flora of Tyrol and Voralberg. (Ger) Neumann, A; Polatschek, A *Verh Zool Bot Ges Wien* 114: 41-61. Ref. 1974 (Pub. 1975)

025850 450 W93
Beliceodendron, a new genus in the Leguminosae (Cercideae) from Central America. Lundell, C L *Wrightia* 5 (6): 186-188. Nov 1975

025851 450 W93
Studies of American plants. X. [New taxa]. Lundell, C L *Wrightia* 5 (6): 151-185. Nov 1975

025852 450 W93
Studies of American plants. XI. [New taxa]. Lundell, C L *Wrightia* 5 (6): 193-198. Nov 1975

025853 450 W93
Taxonomic study of Gaillardia pulchella (Asteraceae-Heliantheae). Turner, B L; Whalen, M *Wrightia* 5 (6): 189-192. Map. Nov 1975

PLANT ECOLOGY

025854 QR1.A33
Inhibitors produced by algae as an ecological factor affecting bacteria in water ecosystems. I. Dependence between phytoplankton and bacteria development. Chrost, R J *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 125-133. Ref. 1975

025855 451 SO16
The application of association analysis for phytosociological interpretation of plant communities in Las Piwnicki Nature Reserve near Torun. Nienartowicz, A *Acta Soc Bot Pol* 44 (2): 155-164. Ref. 1975

025856 S15.A395
Development of ligneous weeds on volcanic soils in pure stands and those mixed with Gramineae [Chile]. (Spa) Ramirez G, C *Agro Sur* 3 (1): 32-42. Ref. Eng. Sum. 1975

025857 S15.A395
Steppe ecosystem of Aisen Province, Chile. (Spa) Azocar, P *Agro Sur* 3 (1): 25-31. Eng. Sum. 1975

025858 S15.A395
Synecology of the anthropogenic grasslands in Valdivia Province, Chile. (Spa) Montaldo, P *Agro Sur* 3 (1): 16-24. Ref. Eng. Sum. 1975

025859 410 M58
An evaluation of chloroplast pigment characteristics as an indicator of successional status in terrestrial ecosystems. Skeen, J N *Am Midl Nat* 94 (2): 370-384. Ref. Oct 1975

025860 470 AM36
Stability in time-varying ecosystems. Botkin, D B; Sobel, M J *Am Nat* 109 (970): 625-646. Ref. Nov/Dec 1975

025861 450 AN4
Phytosociological changes in permanent grasslands on pumice soils caused by molybdenum application. Weinberger, P *Angew Bot* 49 (3/4): 97-107. Ref. Nov 1975

025862 450 AN79
Muddy peat algae of Finnish raised bogs. Hosiaisluoma, V *Ann Bot Fenn* 67 (2): 63-73. Map. Ref. 1975

025863 QH540.A55
Spectral analysis in ecology [Plants, insects]. Platt, T; Denman, K L *Annu Rev Ecol Syst* 6: 189-210. Ref. 1975

025864 QH540.A55
Structure and climate in tropical rain forest. Leigh, E G Jr *Annu Rev Ecol Syst* 6: 67-86. Ref. 1975

025865 QK102.A65
Algal zonation in the fringing coral reef of Curacao, Netherlands Antilles, in relation to zonation of corals and gorgonians. Hoek, C van den; Cortel-Breeman, A M; Wanders, J B W *Aquat Bot* 1 (3): 269-308. Ref. Sept 1975

025866 QK102.A65
Changes in the seagrass populations [Zostera marina, Zostera noltii] of the Dutch Waddenzee. Hartog, C den; Polderman, P J G *Aquat Bot* 1 (2): 141-147. Maps. Ref. June 1975

025867 QK102.A65
Epiphyte—host relations in seagrass communities [Algae]. Harlin, M M *Aquat Bot* 1 (2): 125-131. Ref. June 1975

025868 QK102.A65
Halophila stipulacea, a review of a successful immigration [Eastern Mediterranean]. Lipkin, Y *Aquat Bot* 1 (2): 203-215. Map. Ref. June 1975

025869 QK102.A65
"Migration" of blowouts in seagrass beds at Barbados and Carriacou, West Indies, and its ecological and geological implications. Patriquin, D G *Aquat Bot* 1 (2): 163-189. Maps. Ref. June 1975

025870 QK102.A65
Ruppia-communities in the Camargue, France. Distribution and structure in relation to salinity and salinity fluctuations. Verhoeven, J T A *Aquat Bot* 1 (3): 217-241. Map. Ref. Sept 1975

025871 QK102.A65
Seagrasses of south-western Australia with special reference to the ecology of Posidonia australis Hook F. in a polluted environment. Cambridge, M L *Aquat Bot* 1 (2): 149-161. Maps. June 1975

025872 QK102.A65
The seagrass communities of Moreton Bay, Queensland. Young, P C; Kirkman, H *Aquat Bot* 1 (2): 191-202. Maps. Ref. June 1975

025873 QH301.B58
Thoughts and studies on the notion of vegetation climax in the eastern Mediterranean climate. (Fre) Nahal, I *Biol Ecol Med* 1 (1): 1-10. Ref. 1974

025874 450 EN3B
Competitive behavior of Quercus ilex and Quercus pubescens under Meditteranean humic climates. (Ger) Freitag, H *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 53-70. Map. Ref. Eng. Sum. 1975

025875 450 EN3B
Studies on the development of spontaneous vegetation of anthropogenic waters in the recultivation area of open lignite mines in the Rhine area. (Ger) Freidrich, G *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 71-83. Ref. Eng. Sum. 1975

025876 450 EN3B
Subalpine and alpine plant communities on the island of Pico (Azores). (Ger) Lupnitz, D *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 149-173. Ref. Eng. Sum. 1975

025877 450 B6582
Changes in the natural growth of Gelidiella acerosa (Forskal) Feldmann et Hamel in an exploited population [Algae, agar industry]. Thomas, P C; Rama Rao, K; Subbaramaiah, K *Bot Mar* 18 (4): 241-243. Dec 1975

025878 450 B6582
Hydrographically conditioned floristic and vegetation limits in Icelandic coastal waters [Algae]. Munda, I *Bot Mar* 18 (4): 223-235. Map. Ref. Dec 1975

025879 450 B84
Lichen biomass in Acadian and Boreal forests of Cape Breton Island, Nova Scotia. Wein, R W; Speer, J E *Bryologist* 78 (3): 328-333. Map. Ref. Fall 1975

025880 RA1270.P35A1
A lichen (Parmelia conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, air pollution, indicator plants]. Saeki, M; Kunii, K; Seki, T; Suzuki, T *Bull Environ Contam Toxicol* 14 (6): 726-730. Map. Dec 1975

025881 107.6 K114B
Natural vegetation of Shirasu cliff. 1. (Jpn) Haruyama, M; Shimokawa, E; Iuchi, Y; Takayama, S *Bull Fac Agric Kagoshima Univ* 25: 153-171. Map. Eng. Sum. Mar 1975

025882 99.9 F7652
Ecological study on the sand dune in the west coast of Taiwan. (Chi) Liu, T *Bull Taiwan For Res Inst* 266, 16 P. Maps. Ref. Eng. Sum. July 1975

025883 505 P21 (3)
Determination of the diet of phytophagous animals, based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of silica bodies based on scanning. (Fre) Cherouvrier, A; Gueguen, A; Lefeuvre, J C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 839-842. Ref. Eng. Sum. Sept 22, 1975

025884 505 P21 (3)
Energy determinism of brambling (Fringilla montifringilla) concentrations in relation to evolution of maize cultivationin France from 1955 to 1973. (Fre) Hemery, G; Le Toquin, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 835-838. Maps. Eng. Sum. Sept 22, 1975

025885 470 C16C
Interspecific relationships and the question of introgression between Picea engelmannii and Picea pungens. Taylor, R J; Williams, S; Daubenmire, R *Can J Bot* 53 (21): 2547-2555. Map. Ref. Nov 1, 1975

025886 450 SO82
Eleocharis acicularis (L.) R. & S.: The autecology of an acid tolerant sedge. Rothrock, P E; Wagner, R H *Castanea* 40 (4): 279-289. Ref. Dec 1975

025887 450 SO82
Plant communities of the Irwin Prairie and adjacent wooded areas. Tryon, C A; Easterly, N W *Castanea* 23 (1): 201-212. Map. Ref. Sept 1975

025888 450 SO82
Short term effects of prolonged backwater flooding on understory vegetation. Noble, R E; Murphy, P K *Castanea* 23 (1): 228-238. Sept 1975

025889 450 SO82
The dynamics of Hueston Woods and a review of the question of the successional status of the southern beech-maple forest [Fagus grandifolia, Acer saccharum]. Vankat, J L; Blackwell, W H Jr; Hopkins, W E *Castanea* 40 (4): 290-308. Dec 1975

025890 450 SO82
The presettlement vegetation of Williamson County, Illinois [Forest ecology]. Anderson, R C; Anderson, M R *Castanea* 40 (4): 345-363. Ref. Dec 1975

025891 450 SO82
Toward a natural delineation of the area known as the Southern Appalachian Highlands [Ecology]. Blauch, D S *Castanea* 23 (1): 197-201. Map. Ref. Sept 1975

025892 279.8 C46
The vegetation of the Kajasowka hill and the problem of itsprotection. (Pol) Michalik, S *Chron Przyr Ojczysta* 31 (1): 27-31. Eng. Sum. Jan/Feb 1975

025893 410 EC7
A production model for Myriophyllum spicatum L. [Aquatic weeds]. Titus, J; Goldstein, R A; Adams, M S; Mankin, J B; O'Neill, R V; Weiler, P R Jr; Shugart, H H; Booth, R S *Ecology (Durham)* 56 (5): 1129-1138. Ref. Summer 1975

025894 410 EC7
Canopy lichens with blue-green algae: a nitrogen source in a Colombian rain forest. Forman, R T T *Ecology (Durham)* 56 (5): 1176-1184. Ref. Summer 1975

025895 410 EC7
The production utilization of seeds [by Pogonomyrmex barbatus, birds, rodents] in plains grassland of southeastern Arizona. Pulliam, H R; Brand, M R *Ecology (Durham)* 56 (5): 1158-1166. Ref. Summer 1975

025896 410 EC7
Treefalls and patterns of understory species in a wet lowland tropical forest. Richards, P; Williamson, G B *Ecology (Durham)* 56 (5): 1226-1229. Ref. Summer 1975

025897 410 EC7
Undergrowth vegetation effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. Tappeiner, J C; Alm, A A *Ecology (Durham)* 56 (5): 1193-1200. Summer 1975

025898 410 EC7
Water relations of selected species of chaparral and coastal sage communities. Poole, D K; Miller, P C *Ecology (Durham)* 56 (5): 1118-1128. Ref. Summer 1975

RA565.A1E5
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, algae, Elodea. Kinkade, M L; Erdman, H E *Environ Res* 10 (2): 308-313. Oct 1975

025899 18 F778
Fallow land areas from the viewpoint of ecology and landscape development. (Ger) Bauer, H J; Pohle, A; Schmidt, A *Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr* 27: 51-73. Ref. June 1975

025900 410 H992
Submerged vegetation of the Rotorua and Waikato Lakes. 3. Lake Rerewhakaiitu. Chapman, V J; Clayton, J *Hydrobiologia* 47 (3/4): 393-413. Map. Dec 1, 1975

025901 410 H992
The ecology of algae in the Moruya River, Australia. Potter, I C; Cannon, D; Moore, J W *Hydrobiologia* 47 (3/4): 415-430. Ref. Dec 1, 1975

025902 QH541.5.E8P49
Response of estuarine phytoplankton to environmental conditions [Algae]. Rice, T R; Ferguson, R L *In Physiological Ecology of Estuarine Organisms* P. 1-43. Ref. 1975

025903 QR1.I53 1974
Dispersal of microorganism [fungi] on decaying leaves and litter. Bandoni, R J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 365-373. Ref. 1974 (Pub. 1975)

025904 QR1.I53 1974
Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. Yokoyama, T; Tubaki, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 360-364. 1974 (Pub. 1975)

QR1.I53 1974
Observations on lignicolous aquatic fungi [Ecology, distribution, wood destroying fungi]. Jones, E B G *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 374-382. 1974 (Pub. 1975)

025905 99.8 IN2
An ecological study on the strand vegetation of the Orissa Coast. Ananda Rao, T; Mukherjee, A K *Indian For* 101 (11): 692-702. Nov 1975

025906 QH540.I54
Stress and its relation to the ecosystem. Perkins, R J *Int J Ecol Environ Sci* 1 (2): 119-127. Ref. 1975

025907 QH540.I54
The ecology of Eupatorium odoratum L. II. Physiological studies of Eupatorium odoratum from the new and old world tropics. Edwards, A W A; Stephenson, S N *Int J Ecol Environ Sci* 1 (2): 97-104. Ref. 1975

025908 442.9 AK124
Algae of rhizosphere of indicator plants from certain plant associations of southwestern Turkmenistan flatlands. (Rus) Osmanova, R A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 30-34. Ref. Eng. Sum. 1975

025909 442.9 AK124
Microflora of soils and rhizosphere of plant-dominants referring to the particular plant associations of the Meshed-Messerian plain. (Rus) Gorina, E I; Paletskaia, L T; Saryeva, A N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 41-48. Eng. Sum. 1975

514 SY24
The influence of soil composition on the vegetation of the Coolac Serpentinite Belt in New South Wales [Casuarina stricta, Ricinocarpos bowmanii, Xanthorrhoea australis]. Lyons, M T; Brooks, R R; Craig, D C *J Proc R Soc N S W* 107 (3/4): 67-75. Map. 1974

025910 439.8 J82
Interstitial protozoa and algae of Louisiana salt marshes. Elliott, P B; Bamforth, S S *J Protozool* 22 (4): 514-519. Maps. Ref. Nov 1975

025911 410 J827
Dietary adaptability of the desert cottontail [Grasses, forbs, shrubs]. Turkowski, F J *J Wildl Manage* 39 (4): 748-756. Ref. Oct 1975

025912 450 M75
Ruderal vegetation of the Bielsko-Biala town [Poland]. Zajac, E U *Monogr Bot* 40, 87 P. Maps. Ref. 1974

025913 SD111.N45N4
Competition quotient in young Pinus radiata. Tennent, R B *N Z J For Sci* 5 (2): 230-234. Aug 1975

025914 410 N216
The northern limit of forests on the eastern coast of Hudson Bay, New Quebec [Ecology]. (Ger) Payette, S *Nat Can* 102 (3): 317-329. Maps. Ref. Eng. Sum. May/June 1975

025915 S19.O68
Knowledge of the ecosystems of semi-arid and arid zones in the Middle-East and North Africa: trend of ecological research in view of development. (Fre) *Options Mediterr* 5 (28): 22-27. Map. 1975

025916 56.8 P343
Mycorrhizas of Arctostaphylos uva-ursi. Mejstrik, V K; Hadac, E *Pedobiologia* 15 (5): 336-342. Ref. 1975

025917 501 L84PB
Phytogeographical relationships of the northern islands of the New Hebrides [Woodland ecology]. Gillison, A N *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 385-390. Ref. Nov 13, 1975

025918 GB1627.G8C6
Phosphate, algae, and taconite tailings in the western arm of Lake Superior. Plumb, R H Jr; Lee, G F *Proc Conf Great Lakes Res* 17th (Pt. 2): 823-836. Map. Ref. 1974

025919 GB1627.G8C6
The abundance of diatoms [Algae] in the southwestern nearshore region of Lake Ontario during the spring thermal bar period. Lorefice, G J; Munawar, M *Proc Conf Great Lakes Res* 17th (Pt. 2): 619-628. Map. Ref. 1974

025920 GB1627.G8C6
Vertical interactions in phytoplankton populations—an asymptotic Eigenvalue analysis [Algae]. Di Toro, D M *Proc Conf Great Lakes Res* 17th (Pt. 1): 17-27. Ref. 1974

025921 513 N212 PT.B
Seasonal variation in leaf area index of a grassland community. Mall, L P; Billore, S K *Proc Indian Natl Sci Acad, Part B-Biol Sci* 40 (4): 430-432. Aug 1974

025922 513 N212 PT.B
Short-term effect of seasonal burning on the composition of Dichanthium annulatum stands at Varanasi. Pandey, A N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 107-112. Feb 1974

025923 9.4 R328
Ecological aspects of crop production. (Spa) Angel Altieri, M *Rev ESSO Agric* 21 (2): 18-22. Apr/June 1975

025924 409.6 SO8
Successional stages in a hardwood bottomland forest near Dallas, Texas [Vegetation dynamics]. Nixon, E S *Southwest Nat* 20 (3): 323-335. Ref. Oct 10, 1975

SD1.S952
Ecological effects of timber clearng [Pinus, Picea]. (Swe) Soderstrom, V *Sver Skogvardsforb Tidskr* 73 (5): 443-472. Ref. Eng. Sum. 1975

025925 450 T192
Population variation and introgression in north american Typha. Lee, D W *Taxon* 24 (5/6): 633-641. Map. Ref. Nov 1975

100 N81 (2)
An analysis of variation within white oak (Quercus alba L.) [Morphology and ecology]. Baranski, M J; North Carolina Agricultural Experiment Station *Tech Bull N C Agric Exp Stn* 236, 176 P. Map. Ref. Nov 1975

025926 64.8 Z12
What are ecology and the ecosystem? [Plants]. (Cze) Cerny, V *Uroda* 23 (8): 290-291. Aug 1975

025927 ASD11.A42
Forest habitat types on the Medicine Bow National Forest, southeastern Wyoming: preliminary report [Plant communities]. Wirsing, J M; Alexander, R R; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg* 12, 11 P. Map. Ref. June 1975

PLANT MORPHOLOGY, ANATOMY AND CYTOLOGY

025928 450 AC824
The course of differentiation of the endosperm of Echium vulgare L. Malecka, J *Acta Biol Cracov, Ser Bot* 18 (1): 13-26. Ref. 1975

025929 450 AC824
Ultrastructure of the endosperm of Echinocystis lobata (Cucurbitaceae) at the cellular stage. Turala-Szybowska, K *Acta Biol Cracov, Ser Bot* 18 (1): 27-39. Ref. 1975

025930 450 AC822
Euphorbia geniculata—ovule to seed. Bor, J; Kapil, R N *Acta Bot Neerl* 24 (3/4): 257-268. Ref. June/Aug 1975

025931 450 AC822
Interpretative floral morphology of the Cyperaceae on the basis of the anthoid concept. Meeuse, A D J *Acta Bot Neerl* 24 (3/4): 291-304. Ref. June/Aug 1975

025932 80 AC82
Photographic review of the developmental stages of flower formation in tulips, irises and lilies. Munk, W J; Cremer, M C *Acta Hortic* 47: 235-236. June 1975

025933 451 SO16
Chromosome variation in relation to leaf structure of Psoralea corylifolia Linn. Samanta, P; Datta, P C *Acta Soc Bot Pol* 44 (2): 307-311. 1975

025934 451 SO16
Longitudinal shrinkage of compression wood [of Pinus silvestris] in dependence on water content and cell wall structure. Wloch, W *Acta Soc Bot Pol* 44 (2): 217-229. Ref. 1975

025935 451 SO16
Ultrastructural study of [kohlrabi and barley] chloroplasts isolated by various fractionation methods. Legocka, J; Wozny, A; Szweykowska, A *Acta Soc Bot Pol* 44 (3): 443-448. Ref. 1975

025936 4 AM34P
Soybean root anatomy as influenced by soil bulk density. Baligar, V C; Nash, V E; Hare, M L; Price, J A Jr *Agron J* 67 (6): 842-844. Nov/Dec 1975

025937 450 AM36
A cytogeographic study of Eriophyllum lanatum (Compositae, Heleniеae). Mooring, J S *Am J Bot* 62 (10): 1027-1037. Ref. Nov/-Dec 1975

025938 450 AM36
Anatomy of the gynoecium in two species of Bakeridesia (Malvaceae). Klotz, L H *Am J Bot* 62 (10): 1053-1059. Ref. Nov/Dec 1975

025939 450 AM36
Development and organization of the primary vascular system in Populus deltoides according to phyllotaxy. Larson, P R *Am J Bot* 62 (10): 1084-1099. Ref. Nov/Dec 1975

025940 450 AM36
Is polyploidy necessary for tissue differentiation in higher plants? [Sunflowers, peas, wheat]. Evans, L S; Van't Hof, J *Am J Bot* 62 (10): 1060-1064. Ref. Nov/Dec 1975

025941 450 AM36
Structure and development of the sieve elements in Psilotumnudum. Perry, J W; Evert, R F *Am J Bot* 62 (10): 1038-1052. Ref. Nov/Dec 1975

025942 450 AM36
Vessels in Juncales: II. Centrolepidaceae and Restionaceae. Cheadle, V I; Kosakai, H *Am J Bot* 62 (10): 1017-1026. Ref. Nov/Dec 1975

025943 448.3 AN75
Ultrastructural and electron cytochemical studies of Entomophthora coronara [Fungi]. Garrison, R G; Mariat, F; Boyd, K S; Tally, J F *Ann Microbiol* 126B (2): 149-173. Plates. Ref. Sept 1975

025944 442.8 AR26
Differentiation in Coprinus lagopus [Fungi]. III. Expansion of excised fruit-bodies. Cox, R J; Niederpruem, D J *Arch Microbiol* 105 (3): 257-260. Ref. 1975

025945 442.8 AR26
Ultrastructure of the sporangiospore of Piptocephalis unispora (Mucorales) [Fungi]. Jeffries, P; Young, T W K *Arch Microbiol* 105 (3): 329-333. Ref. 1975

025946 QK710.A9
Anatomy and movement of the column in Stylidium. Findlay, G P; Findlay, N *Aust J Plant Physiol* 2 (4): 597-621. Ref. Dec 1975

025947 442.8 B5236
Isolation and characterization of microbodies and symphyomicrobodies with different buoyant densities from the fungus Blastocladiella emersonii. Mills, G L; Cantino, E C *Biochem Biophys Res Commun* 67 (3): 1256-1263. Ref. Dec 1, 1975

025948 442.8 B523
Investigations on plastome mutants in Oenothera. II. Ultrastructural survey. (Ger) Kutzelnigg, H; Meyer, B; Schotz, F *Biol Zentralbl* 94 (5): 513-526. Ref. Eng. Sum. Sept-/Oct 1975

025949 442.8 B523
Investigations on plastome mutants in Oenothera. III. Comparative ultrastructural characterization of the mutants. (Ger) Kutzelnigg, H; Meyer, B; Schotz, F *Biol Zentralbl* 94 (5): 527-538. Ref. Eng. Sum. Sept-/Oct 1975

025950 451 L64J
Heterostyly and pollen flow in Hypericum aegypticum (Guttiferae). Ornduff, R *Bot J Linn Soc* 71 (1): 51-57. Ref. July 1975

025951 450 EN3B
A noteworthy fruit stock in Oenanthe [prolifera] (Umbelliferae) [Morphology]. (Ger) Froebe, H A *Bot Jahrb Syst Pflanzengeogr* 96 (1/4): 84-89. Eng. Sum. 1975

025952 450 EN3B
Contributions to the morphology and systematics of Klugieaeand Loxonieae (Generiaceae). I. Shoot and inflorescence organization of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. (Ger) Weber, A *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 174-207. Ref. Eng. Sum. 1975

025953 450 EN3B
Development of "nose fruit" of Kopsia flavida Bl. [Morphology]. (Ger) Markgraf, F; Huber, K *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 256-269. Eng. Sum. 1975

025954 450 EN3B
Displacements and heterotopies in flowering plants. (Ger) Sattler, R *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 256-266. Ref. Eng. Sum. 1975

025955 450 EN3B
Embryological and morphological studies of plants from the West Indies. 1. Embryologie of Capraria biflora L. (Scrophulariaceae). (Ger) Hakki, M I *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 125-153. Ref. Eng. Sum. 1975

025956 450 EN3B
Leaf structure in Chenopodiaceae. Carolin, R C; Jacobs, S W L; Vesk, M *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 226-255. Ref. 1975

025957 450 EN3B
Morphology and function of the testa of dust forming seeds. (Ger) Rauh, W; Barthlott, W; Ehler, N *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 353-374. Ref. Eng. Sum. 1975

025958 450 EN3B
On the relationship between sheath lobes and stipules [Plant morphology]. (Ger) Weberling, F *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 471-491. Ref. Eng. Sum. 1975

025959 450 EN3B
Smiple carpels [Plant morphology]. (Ger) Schaeppi, H *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 410-422. Ref. Eng. Sum. 1975

025960 450 EN3B
The floral morphology of Barneoudia Gay (Ranunculaceae). (Ger) Hiepko, P *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 192-199. Ref. Eng. Sum. 1975

025961 450 EN3B
The relationship between multistaminate and simple Androeceae [Morphology]. (Ger) Leins, P *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 231-237. Ref. Eng. Sum. 1975

025962 450 B6582
Some observations on the morphology of Enteromorpha linza (L.) J. Ag. and Enteromorpha compressa (L.) Grev. in axenic culture [Algae]. Fries, L *Bot Mar* 18 (4): 251-253. Ref. Dec 1975

025963 S5.B8
First indications on the mycorrhiza and micorrhizal fungi of exotic [Pinus] plantations of Upper Shaba (Zaire Republic) [Morphological study]. (Fre) Thoen, D *Bull Rech Agron Gembloux* 9 (2): 215-227. Eng. Sum. 1974

025964 451 F84B
Scanning electron microscopy of pollen grains of the European species Erica L. (Fre) Visset, L *Bull Soc Bot Fr* 122 (5/6): 203-215. 1975

025965 451 F84B
The vascular system of the fertile scale of Abietaceae. (Fre) Lemoine-Sebastian, C *Bull Soc Bot Fr* 122 (5/6): 225-241. Ref. Eng. Sum. 1975

025966 505 P21 (3)
Additional data on morphological and cytochemical features of the Golgi apparatus in vegetative cells of the chlorophycean alga Ulva lactuca L. (Ulvales). (Fre) Micalef, H *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 775-778. Ref. Eng. Sum. Sept 22, 1975

025967 505 P21 (3)
Differentiation of apical cells in callus of Pteris creticaL. cultivated in vitro. Acquistion of secific characters. (Fre) Michaux-Ferriere, N *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 783-786. Eng. Sum. Sept 22, 1975

025968 505 P21 (3)
First ultrastructural observation on the haustorial micropylar cells of Plantago lanceolata. (Fre) Vannereau, A; Mestre, J C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 699-702. Eng. Sum. Sept 15, 1975

025969 505 P21 (3)
Modes of sympodial development in woody plants of the temperate zone. (Fre) Guedes, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 531-533. Eng. Sum. Sept 1, 1975

025970 505 P21 (3)
On the apical structure of the rhizomorph of Sphaerostilbe repens B and Br. (Ascomycetes) [Fungi]. (Fre) Dexheimer, J; Botton, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1093-1096. Ref. Eng. Sum. Oct 13, 1975

025971 505 P21 (3)
Preliminary discussion of polymorphism in trees which are the issue of nucellar embryos of the Tunisian variety of Maltese demi-sanguine oranges. (Fre) Lasram, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 795-798. Eng. Sum. Sept 22, 1975

025972 505 P21 (3)
Ultrastructural aspects of spermatogenesis in Cutleria adspersa (Phaeophyceae, Cutleriales [Algae]) from the French Mediterranean coast. (Fre) Caram, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1089-1092. Ref. Eng. Sum. Oct 13, 1975

025973 505 P21 (3)
Ultrastructure of Agaricus sylvicola and Agaricus bisporus [musroom] cell membrane evolution during fruit body development. (Fre) Eyme, J; Angeli-Couvy, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 771-774. Ref. Eng. Sum. Sept 22, 1975

025974 470 C16C
A new tissue essential to necrophylactic periderm formation in the bark of four conifers [Abies, Tsuga heterophylla, Thuja plicata]. Mullick, D B *Can J Bot* 53 (21): 2443-2457. Ref. Nov 1, 1975

025975 470 C16C
An ultrastructural study of 'phialospore' formation in Fusarium culmorum grown in continuous culture [Fungi]. Marchant, R *Can J Bot* 53 (18): 1978-1987. Sept 15, 1975

025976 470 C16C
An ultrastructural comparison of Podosordaria leporina and Poronia oedipus (Ascomycetes). Koehn, R D; Cole, G T *Can J Bot* 53 (20): 2251-2259. Ref. Oct 15, 1975

025977 470 C16C
Cytology of exceptional development of the male gametophyte in Ophiorrhiza mungos. Philip, O; Mathew, P M *Can J Bot* 53 (18): 2032-2037. Ref. Sept 15, 1975

025978 470 C16C
Electron microscopy studies of a developing Pythium oogonium. McKeen, W E *Can J Bot* 53 (20): 2354-2360. Ref. Oct 15, 1975

025979 470 C16C
Fine structure of the macroconidia of Fusarium solani [Fungi]. Tewari, J P; Skoropad, W P *Can J Bot* 53 (19): 2134-2146. Ref. Oct 1, 1975

025980 470 C16C
Fine structure of the macroconidia of Fusarium solani [Fungi]. Tewari, J P; Skoropad, W P *Can J Bot* 53 (19): 2134-2146. Ref. Oct 1, 1975

025981 470 C16C
Impatiens balsamina gynoecium. Morphological ontogenic and tetratologic studies. (Fre) Simon, L *Can J Bot* 53 (20): 2361-2384. Ref. Eng. Sum. Oct 15, 1975

025982 470 C16C
Morphology, development, and cytochemistry of the hyphae and sclerotia of species in the Rhizoctonia complex [Fungi]. Tu, C C; Kimbrough, J W *Can J Bot* 53 (20): 2282-2296. Ref. Oct 15, 1975

025983 470 C16C
Revision of the Seuratiaceae. I. Morphology of Seuratia [Fungi]. Meeker, J A *Can J Bot* 53 (21): 2462-2482. Ref. Nov 1, 1975

025984 470 C16C
Scanning electron microscopy of the septal pore apparatus of Rhizoctonia solani. Lisker, N; Katan, J; Henis, Y *Can J Bot* 53 (17): 1801-1804. Ref. Sept 1, 1975

025985 470 C16C
The leaf anatomy of beech, Fagus grandifolia. Dengler, N G; MacKay, L B *Can J Bot* 53 (19): 2201-2211. Ref. Oct 1, 1975

025986 470 C16C
The leaf anatomy of beech, Fagus grandifolia. Dengler, N G; MacKay, L B *Can J Bot* 53 (19): 2202-2211. Ref. Oct 1, 1975

025987 470 C16C
The zoospore of Rozella allomycis: ultrastructure. Held, A A *Can J Bot* 53 (19): 2212-2232. Ref. Oct 1, 1975

025988 470 C16C
The zoospore of Rozella allomycis: ultrastructure. Held, A A *Can J Bot* 53 (19): 2212-2232. Ref. Oct 1, 1975

025989 470 C16C
Tree fern indusia: studies of development and diversity [Cyathea fulva]. Tryon, A F; Feldman, L J *Can J Bot* 53 (20): 2260-2273. Ref. Oct 15, 1975

025990 470 C16C
Ultrastructural alterations observed in isolated apple leaf cuticles. Hoch, H C *Can J Bot* 53 (18): 2006-2013. Ref. Sept 15, 1975

025991 470 C16C
Ultrastructural observations on septal and merosporangial ontogeny in Linderina pennispora (Kickxellales; Zygomycetes). Benny, G L; Aldrich, H C *Can J Bot* 53 (20): 2325-2335. Ref. Oct 15, 1975

025992 470 C16C
Ultrastructure, composition, and biogenesis of the encapsulation material surrounding the endophyte in Alnus crispa var. Mollis root nodules. Lalonde, M; Knowles, R *Can J Bot* 53 (18): 1951-1971. Ref. Sept 15, 1975

025993 470 C16C
Ultrastructure of the cuticular membranes of the developing wheat grain. Morrison, I N *Can J Bot* 53 (18): 2077-2087. Sept 15, 1975

025994 470 C16C
Ultrastructure of the dormant Agaricus bisporus spore [Mushrooms]. Greuter, B; Rast, D *Can J Bot* 53 (18): 2096-2101. Ref. Sept 15, 1975

025995 448.8 C162
Electron microscopy of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. Kinden, D A; Brown, M F *Can J Microbiol* 21 (11): 1768-1780. Ref. Nov 1975

025996 448.8 C162
The fine structure of conidial development in the genus Torula. I. Torula herbarum (Pers.) Link ex S. F. Gray and Torula herbarum f. quaternella Sacc. [Yeasts]. Ellis, D H; Griffiths, D A *Can J Microbiol* 21 (11): 1661-1675. Ref. Nov 1975

025997 450 C16
Stomatal frequency and distribution in rape. Major, D J *Can J Plant Sci* 55 (4): 1077-1078. Oct 1975

025998 475 SCI23
Abnormalities in the development of male gametophyte in Morus laevigata. Kumar, S *Curr Sci* 44 (22): 822-823. Nov 20, 1975

025999 475 SCI23
Chromosome numbers in the genus Ceropegia Linn. Sundara Raghavan, R; Ansari, M Y *Curr Sci* 44 (23): 863-864. Dec 5, 1975

026000 QH573.C9
A preparatory technique for examination of imperfect fungi by scanning electron microscopy. Cole, G T *Cytobios* 12 (46): 115-121. Ref. 1975

026001 QH573.C9
Transmission and scanning electron microscopy of changes associated with microcyst formation in the myxamoebae of Physarum polycephalum [Fungi]. Turner, H M; Johnson, J *Cytobios* 12 (46): 95-107. Ref. 1975

026002 442.8 EX7
A study of the chromosomes of the yeast Schizosaccharomycespombe by light and electron microscopy. Fischer, P; Binder, M; Wintersberger, U *Exp Cell Res* 96 (1): 15-22. Nov 1975

026003 442.8 EX7
Fluorescent Feulgen staining of fungal nuclei. Lemke, P A; Ellison, J R; Marino, R; Morimoto, B; Arons, E; Kohman, P *Exp Cell Res* 96 (2): 367-373. Ref. Dec 1975

026004 475 EX7
Giemsa banding and heterochromatin distribution in Ornithogalum [virens]. Sharma, R P; Sarma, N P *Experientia* 31 (11): 1272-1273. Ref. Nov 15, 1975

026005 475 EX7
Nuclear envelope changes related to cell activation in Helianthus tuberosus L. [Sunflowers]. Severs, N J; Jordan, E G *Experientia* 31 (11): 1276-1278. Ref. Nov 15, 1975

026006 475 EX7
Occurrence of extra-ovarian ovules in sunflower plants (Helianthus annuus L.) treated with chlorflurenol. Ram, H Y M; Ilyas, M *Experientia* 31 (11): 1278-1279. Nov 15, 1975

026007 301.8 G36
Study of cell walls of Candida yeast. (Rus) Sitnikov, V S; Kaliuzhnyi, M IA *Gidroliz Lesokhim Prom-st'* 6: 5-6. 1974

026008 443.8 H42
Mitotic cycles in Triticum [wheat] species. Davies, P O L; Rees, H *Heredity* 35 (3): 337-345. Ref. Dec 1975

026009 410 H992
Cytological observations on the material of Boergesenia forbesii (Harv.) Feldmann from the south and west coast of India [Algae]. Singh, S J; Chowdary, Y B K *Hydrobiologia* 47 (3/4): 469-474. Dec 1, 1975

026010 QR1.I53 1974
Fine structure of the yeast cell accompanied by changing the growth phase [Saccharomyces cerevisiae]. Tanaka, K; Hayashibe, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 107-116. 1974 (Pub. 1975)

026011 QR1.I53 1974
Nuclear division in fungi. Aist, J R *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 102-106. Ref. 1974 (Pub. 1975)

026012 QR1.I53 1974
Structure and function of fungal septa. Heath, M C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 117-124. Ref. 1974 (Pub. 1975)

026013 QR1.I53 1974
The role of cytoplasmic microtubules in fungi. Heath, I B *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 92-101. 1974 (Pub. 1975)

026014 QR1.I53 1974
Ultrastructure of membrane-complex systems in [the cultivated mushroom] Agaricus bisporus. Lin, L P; Lee, Y Y; Fong, J C; Hsieh, S I *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 136-140. 1974 (Pub. 1975)

026015 QR1.I53 1974
Ultrastructure and chemistry of Epidermophyton floccosum cell walls [Pathogenic fungi]. Kitajima, Y; Nozawa, Y; Ito, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 149-153. 1974 (Pub. 1975)

026016 99.8 IZ8
Variability of traits of generative organs in Quercus roburin southeastern Kazakhstan. (Rus) Petrov, S A *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 162-164. 1975

026017 10 J822
An analysis of the problem of lodging with particular reference to wheat and barley. Neenan, M; Spencer-Smith, J L *J Agric Sci (Camb)* 85 (3): 495-507. Ref. Dec 1975

026018 442.8 J828
Analysis of the [spinach] thylakoid outer surface. Miller, K R; Staehelin, L A *J Cell Biol* 68 (1): 30-47. Ref. Jan 1976

026019 442.8 J828
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. I. Production of gametes and their fine structure. Martin, N C; Goodenough, U W *J Cell Biol* 67 (3): 587-605. Ref. Dec 1975

026020 442.8 J828
Mating in Chlamydomonas: a system for the study of specificcell adhesion. I. Ultrastructual and electrophoretic analyses of flagellar surface components involved in. Snell, W J *J Cell Biol* 68 (1): 48-69. Ref. Jan 1976

026021 442.8 J828
Mating in Chlamydomonas: a system for the study of specificcell adhesion. II. A radioactive flagella-binding assay forquantitation of adhesion [Algae]. Snell, W J *J Cell Biol* 68 (1): 70-79. Ref. Jan 1976

026022 442.8 J828
Spindle and kinetochore morphology of Dictyostelium discoideum [Fungi]. Moens, P B *J Cell Biol* 68 (1): 113-122. Ref. Jan 1976

026023 QH301.J6
A possible role for intercisternal elements in the formation of secretory vesicles in plant golgi apparatus [Maize roots]. Mollenhauer, H H; Morre, D J *J Cell Sci* 19 (2): 231-237. Ref. Nov 1975

026024 QH301.J6
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating plant cells [Mung beans, pea, celery]. Roland, J C; Vian, B; Reis, D *J Cell Sci* 19 (2): 239-259. Ref. Nov 1975

026025 SB270.J6
Response to moisture of pollen mother cell meiosis in Coffea abeokutae Crames. Reddy, A G S; Narayan, K N *J Coffee Res* 5 (1/2): 21-28. Ref. Jan/Apr 1975

026026 448.3 J823
Mitochondrial structure studied by high voltage electron microscopy of thick sections of Candida utilis [Yeasts]. Davison, M T; Garland, P B *J Gen Microbiol* 91 (1): 127-138. Ref. Nov 1975

026027 448.3 J823
Ultrastructural organization of cystidia in the Basidiomycete Agrocybe praecox [Fungi]. Gull, K; Newsam, R J *J Gen Microbiol* 91 (1): 74-78. Nov 1975

026028 440.9 R81J
A simple method for exposing plastic embedded structures for scanning electron microscopy [Peristome teeth of the moss Funaria hygrometrica]. Jarvis, L R *J Microsc* 105 (1): 115-117. Ref. Sept 1975

026029 440.9 R81J
The relationship of plastic deformation in freeze-etching to the orientation of a protein particle [Tobacco]. Willison, J H M *J Microsc* 105 (1): 81-85. Sept 1975

026030 QH201.J6
A scanning electron microscopic survey of the surface of sensitive tendrils [Eccremocarpus scaber, Bryonia dioica]. Junker, S; Reinhold, L *J Microsc Biol Cell* 23 (2): 175-180. Plates. Ref. Aug 1975

026031 QH201.J6
Fine structure dynamics of the prometaphase spindle [Haemanthus katherinae, Haemanthus albiflos]. Lambert, A M; Bajer, A *J Microsc Biol Cell* 23 (2): 181-194. Plates. Ref. Aug 1975

026032 QH201.J6
Ultrastructural study of the wall of Polysiphonia elongata (Harv.) [Algae] Rhodophyceae, Floridea, with the help of actions of enzymes. (Fre) Lichtle, C *J Microsc Biol Cell* 23 (1): 93-104. Ref. Eng. Sum. June 1975

026033 QH201.J6
Ultrastructural studies of plastids in leaves of Fraxinus excelsior L. var. aurea (Willd.). Wrischer, M; Liubesic, N; Devide, Z *J Microsc Biol Cell* 23 (1): 105-112. Ref. June 1975

026034 QH573.J62
Electron microscopic study of bacteria in the intercellular spaces of the root cap of Luzula purpurea Link [Symbiotic associations]. Mota, M; Silva, M T; Salema, R *J Submicrosc Cytol* 7 (3): 373-378. Ref. Dec 1975

026035 QH573.J62
Etioplast and chromoplast development in the lycopenic mutant of maize. Walles, B; Hudak, J *J Submicrosc Cytol* 7 (3): 325-334. Ref. Dec 1975

026036 72.8 K522
Types of fruit-bearing branches and fruit stalks [in fine-fiber cotton]. (Rus) Berdymuradov, R *Khlopkovodsto* 9: 32. Sept 1975

026037 QH201.M5
Drawing in plant histology. (Ger) Turler, S *Mikrokosmos* 64 (10): 310-314. Oct 1975

026038 QH301.M6
Morphological-anatomic study of Pulsatilla violacea Rupr. And Pulsatilla aurea (N. Busch) Juz. during ontogenesis. Barykina, R P; Gulanyan, T A *Moscow Univ Biol Sci Bull* 29 (5/6): 86-96. Ref. 1974

026039 RC117.M9
Action of Econazol on the fine structure of cells of Trichophyton rubrum [Fungi]. (Ger) Preusser, H J *Mykosen (Berlin)* 18 (11): 453-465. Ref. Eng. Sum. Nov 1975

026040 450 N852 SUPPL.
Ultrastructure of hymenial cells in two Boletes [Tylopilus felleus, Suillus americanus, fungi]. Clemencon, H *Nova Hedwigia Beih* 51: 93-98. 1975

026041 450 P5623
Ultrastructural study of asci: wall, apical apparatus, ascospore wall in inoperculate Discomycetes and Hysteriales [Fungi]. (Fre) Bellemere, A *Physiol Veg* 13 (3): 393-406. Ref. Eng. Sum. July/Sept 1975

026042 450 P5622
Enzymic analysis of cell wall structure in apple fruit cortical tissue. Knee, M; Fielding, A H; Archer, S A; Laborda, F *Phytochemistry* 14 (10): 2213-2222. Ref. Oct 1975

026043 450 P692
Isolation of nucleoli and localization of ribonnucleic acid polymerase I from soybean hypocotyl. Lin, C Y; Guilfoyle, T J; Chen, Y M; Key, J L *Plant Physiol* 56 (6): 850-852. Ref. Dec 1975

026044 450 OS7
Comparative morphology of the Cyanophycea Clastidium setigerum and related genera. (Ger) Geitler, L *Plant Syst Evol* 124 (2): 161-171. Ref. Eng. Sum. 1975

026045 450 P762
Aperture in the exine and external intine of the pollen of Juniperus chinensis L., and Juniperus communis L. (Fre) Duhoux, E *Pollen Spores* 17 (2): 191-201. Ref. Eng. Sum. 1975

026046 450 P762
Study of spores of operculate Discomycetes [Fungi] under scanning electron microscope. I. Morchellaceae. (Fre) Berthet, P; Lecocq, M; Zandonella, P *Pollen Spores* 17 (2): 203-212. Ref. Eng. Sum. 1975

026047 450 P762
The pollen [morphology] of Bleasdalea and related genera ofProteaceae. Haas, J E *Pollen Spores* 17 (2): 213-222. 1975

026048 513 N212 PT.B
Enantiomorphic structures in plants. Davis, T A *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 424-429. Aug 1974

026049 513 N212 PT.B
Heteroblastic condition and two types of sclereids in Adinandra dumosa Jack. Rao, A N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 30-37. Ref. Feb 1974

026050 513 N212 PT.B
Studies on the leaf anatomy of Euphorbia. V. Epidermis. Kakkar, L; Paliwal, G S *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 55-67. Ref. Feb 1974

026051 QL362.A1P7
Ultrastructure of a blue green alga: Pseudanabaena galeata, Bocher. (Fre) Bourrelly, P; Coute, A *Protistologica* 11 (2): 187-194. Ref. Eng. Sum. 1975

026052 442.8 P94
Changes in chloroplasts structure during autospore formation in Scenedesmus obtusiusculus [Algae]. Das, G *Protoplasma* 84 (1/2): 175-180. Ref. 1975

026053 442.8 P94
Characterization of fibrous compound of golgi vesicles in tapetal cells of Delphinium. Gabara, B *Protoplasma* 86 (1/2): 159-168. Ref. 1975

026054 442.8 P94
Chlorophyll content and plastid ultrastructure in leaflets of Metasequoia glyptostroboides. Laudi, G; Manzini, M L *Protoplasma* 84 (1/2): 185-190. Ref. 1975

026055 442.8 P94
Cytoplasmic filaments and their assembly into bundles in Physarum [polycephalum] plasmodium [Fungi]. Nagai, R; Kato, T *Protoplasma* 86 (1/3): 141-158. Ref. 1975

026056 442.8 P94
Evidence of a large, ramified mitochondrium in Chlamydomonas reinhardii [Algae]. Grobe, B; Arnold, C G *Protoplasma* 86 (1/3): 291-294. 1975

026057 442.8 P94
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of actinomycin D and ethidium bromide. I. Light-microscope investigations [Algae]. (Ger) Hackstein-Anders, C *Protoplasma* 86 (1/3): 83-105. Ref. Eng. Sum. 1975

026058 442.8 P94
Fine structural and cytochemical analysis of phragmosomes (microbodies) during cytokinesis in Allium [sativum] root tipcells [Onions]. Hanzely, L; Vigil, E L *Protoplasma* 86 (1/3): 269-277. Ref. 1975

026059 442.8 P94
Microfibril synthesis at the surfaces of isolated tobacco mesophyll protoplasts, a freeze-etch study. Willison, J H M; Cocking, E C *Protoplasma* 84 (1/2): 147-159. Ref. 1975

026060 442.8 P94
Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An ultrastructural and light microscopical study of zygotes and rhizoids. Braten, T *Protoplasma* 84 (1/2): 161-173. Ref. 1975

026061 442.8 P94
Postgenital carpel fusion in Catharanthus roseus. II. Fine structure of the epidermis before fusion. Walker, D B *Protoplasma* 86 (1/3): 29-41. Ref. 1975

026062 442.8 P94
Postgenital carpel fusion in Catharanthus roseus. III. Fine structure of the epidermis during and after fusion. Walker, D B *Protoplasma* 86 (1/3): 43-63. Ref. 1975

026063 442.8 P94
Sporophyte development of Funaria hygrometrica Sibth. [Musci]. I. Structural data of water and nutrient uptake in the haustorium. (Ger) Wiencke, C; Schulz, D *Protoplasma* 86 (1/3): 107-117. Ref. Eng. Sum. 1975

026064 442.8 P94
The occurrence and structure of centrosomes in Lycopodium complanatum [Pteridophyta]. Robbins, R R; Carothers, Z B *Protoplasma* 86 (1/3): 279-284. Ref. 1975

026065 442.8 P94
Ultrastructural characteristics of embryo cellular walls obtained from protoplasts of Antirrhinum majus. (Fre) Prat, R; Poirier-Hamon, S *Protoplasma* 86 (1/3): 175-187. Ref. Eng. Sum. 1975

026066 450 R3213
Cytological, cytochemical and histoautoradiographic study of viscum album L. (Loranthaceae). I. The seed, its germination and means of fixation on the host. (Fre) Salle, G *Rev Cytol Biol Veg* 38 (1/2), 110 P. Ref. Eng. Sum. 1975

026067 470 SCI2
Large-scale isolation of intact vacuoles and isolation of chloroplasts from protoplasts of mature plant tissues. Wagner, G J; Siegelman, H W *Science* 190 (4221): 1298-1299. Dec 26, 1975

026068 450 SV2
Variation in four common species of the Nidulariaceae [Fungi]. Brodie, H J *Sven Bot Tidskr* 69 (1): 33-44. Ref. 1975

026069 100 N81 (2)
An analysis of variation within white oak (Quercus alba L.) [Morphology and ecology]. Baranski, M J; North Carolina Agricultural Experiment Station *Tech Bull N C Agric Exp Stn* 236, 176 P. Map. Ref. Nov 1975

026070 A99.9 F7625U
Observations on the rhizomes and roots of Vaccinium membranaceum [huckleberry]. Minore, D; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 261, 5 P. Ref. Oct 1975

PLANT GENETICS AND BREEDING

SB605.A8A9
The genetic basis of plant disease epidemics. Plank, J E van der *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 27-30. Sept 1975

026071 80 AC82
Breeding Narcissus for cut flower production [Varieties]. Fry, B M *Acta Hortic* 47: 173-178. June 1975

026072 80 AC82
Criteria for early selection in tulip breeding. Eijk, J P van; Leegwater, J *Acta Hortic* 47: 179-185. June 1975

026073 80 AC82
Embryo culture as an aid to breeding Lilium. North, C *Acta Hortic* 47: 187-192. June 1975

80 AC82
Meristem culture for the production of virus-free Prunus. (Fre) Boxus, P *Acta Hortic* 44: 43-46. Eng. Sum. Feb 1975

026074 QP901.A33
Plant tissue culture methods in somatic hybridization by protoplast fusion and transformation. Gamborg, O L *Adv Exp Med Biol* 62: 45-63. Ref. 1975

026075 S65.K4
Use a [disease] resistant tobacco variety. Massie, I E; Smiley, J H; Everette, G A; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 42, 3 P. June 1975

026076 22.5 N682
Report on breeding irradiated begonia varieties resistant to ozone injury. (Jpn) Matsubara, H; Suda, H; Sawada, T; Nouchi, I *Agric Hortic* 50 (6): 811-812. June 1975

026077 22.5 N682
Testing method for the breeding disease resistant varieties of ornamental plants. (Jpn) Yamaguchi, T *Agric Hortic* 50 (6): 791-794. Ref. June 1975

026078 97.31 AM32
Interspecific hybridization of Camellias, with particular reference to fragrance. Hallstone, K *Am Camel Yearb* P. 114-117. 1975

026079 80 N216
Selecting & breeding hardy passion flowers. Winters, H F; Knight, R J Jr *Am Hortic* 54 (5): 22-27. Ref. Oct 1975

026080 80 AM329
An update on blue Cattleya breeding. Whitlow, C E *Am Orchid Soc Bull* 45 (1): 43-47. Jan 1976

026081 16 T63
Interaction of genotype with environment for some metrical characters of cardoon [Cynara cardunculus var. altilis]. (Ita) Lepori, G *Ann Accad Agric Torino* 116: 109-117. Ref. Eng. Sum. 1973/1974

442.8 AN72
Genetic control of durable resistance to yellow rust (Puccinia striiformis) in the wheat cultivar Hybride de Bersee. Johnson, R; Law, C N *Ann Appl Biol* 81 (3): 385-391. Ref. Dec 1975

026082 442.8 AN72
Genotypic and environmental variation in some colour characteristics of carrots [Varieties]. Dowker, B D; Fennell, J F M; Jackson, J C; Arthey, V D *Ann Appl Biol* 81 (3): 377-383. Dec 1975

026083 442.8 AN72
The response of various breeding lines of lettuce to beet western yellows virus. Watts, L E *Ann Appl Biol* 81 (3): 393-397. Dec 1975

026084 QH431.A1A5
Arabidopsis as a genetic tool. Redei, G P *Annu Rev Genet* 9: 111-127. Ref. 1975

026085 QH431.A1A5
Compartmentation and regulation of fungal metabolism: genetic approaches. Davis, R H *Annu Rev Genet* 9: 39-65. Ref. 1975

QH431.A1A5
Eukaryotic chromosome replication. Edenberg, H J; Huberman, J A *Annu Rev Genet* 9: 245-284. Ref. 1975

026086 QH431.A1A5
Genetic control of development of the cellular slime mold, Dictyostelium discoideum. Jacobson, A; Lodish, H F *Annu Rev Genet* 9: 145-185. Ref. 1975

026087 QH431.A1A5
Some aspects of recombination in eukaryotic organisms. Hastings, P J *Annu Rev Genet* 9: 129-144. Ref. 1975

026088 QH431.A1A5
Synaptonemal complex and chromosome structure. Gillies, C B *Annu Rev Genet* 9: 91-109. Ref. 1975

026089 442.8 B5236
CYP3 a likely candidate for the structural gene of iso-2 cytochrome C in Saccharomyces cerevisiae [Yeasts]. Verdiere, J; Petrochilo, E *Biochem Biophys Res Commun* 67 (4): 1451-1458. Ref. Dec 15, 1975

026090 442.8 B5236
On the mechanism of petite genesis in yeast. IV. Biochemical characterizaton of a conditional cytoplasmic mutant producing petites at restrictive temperature. Bandlow, W; Schweyen, R J *Biochem Biophys Res Commun* 67 (3): 1078-1085. Ref. Dec 1, 1975

026091 381 B522
Genetic regulation of phosphate transport system II in Neurospora [crassa, fungi]. Lowendorf, H S; Slayman, C W *Biochim Biophys Acta* 413 (1): 95-103. 1975

026092 442.8 B523
Genetical analysis of organogenetical development processes in maize with the X-ray method. (Ger) Fuchs, A *Biol Zentralbl* 94 (5): 583-596. Ref. Eng. Sum. Sept/Oct 1975

026093 442.8 B523
Host-mediated assay and urinary assay with the same mice for the detection of chemical mutagens in Saccharomyces cerevisiae [Yeasts]. (Ger) Schubert, A *Biol Zentralbl* 94 (3): 451-454. July/Aug 1975

026094 442.8 B523
Investigations on valence crosses in rye (Secale cereale L.). IV. Meiotic pairing and seed setting in tetraploid hybrids. (Ger) Schlegel, R; Mettin, D *Biol Zentralbl* 94 (3): 295-315. Ref. Eng. Sum. May/June 1975

026095 442.8 B523
Studies on the intraindividual and interindividual variation of chromosome pairing in diploid and tetraploid rye populations. I. Intraindividual variation. (Ger) Schlegel, R; Mettin, D *Biol Zentralbl* 94 (5): 539-555. Ref. Eng. Sum. Sept/Oct 1975

026096 442.8 B5224
On the existence of levelled beehive designs [Variety competition]. Veevers, A; Boffey, T B *Biometrics* 31 (4): 963-967. Dec 1975

026097 451 L64J
The nature and taxonomic significance of the system of inheritance in Rosa nanothamnus (Rosaceae). Roberts, A V *Bot J Linn Soc* 71 (1): 59-66. Ref. July 1975

026098 450 B77
Artificial interspecific hybridization in temperate and tropical species of Ruellia (Acanthaceae). Long, R W *Brittonia* 27 (3): 289-296. Ref. July/Sept 1975

026099 450 B84
Polyploidy and enucleation in mature leaves of Barbilophozia barbata [Hepaticae]. Desmond, M E; Hartman, E L *Bryologist* 78 (3): 343-349. Ref. Fall 1975

026100 SB278.J3I9
Breeding of broad leaf type varieties (F 207, F 208) in flue-cured tobacco. (Jpn) Ayabe, T; Eguchi, K *Bull Iwata Tob Exp Stn* 7: 19-28. Ref. Eng. Sum. Mar 1975

026101 SB278.J3I9
Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. (Jpn) Nakamura, A; Yamada, T; Oka, M; Tatemichi, Y; Eguchi, K; Ayabe, T; Kobayashi, K *Bull Iwata Tob Exp Stn* 7: 29-39. Ref. Eng. Sum. Mar 1975

026102 SB278.J3I9
The development of the multiple disease resistant flue cured tobacco variety, F 209 [Breeding]. (Jpn) Murai, T; Yamada, T; Ohashi, Y; Shimizu, Y *Bull Iwata Tob Exp Stn* 7: 1-17. Ref. Eng. Sum. Mar 1975

026103 S5.B8
Meiotic chromosome pairing in triploid hybrids of Gossypiumhirsutum L. [Cotton] with wild Australian species. (Fre) Marechal, R *Bull Rech Agron Gembloux* 9 (2): 193-204. Ref. Eng. Sum. 1974

026104 505 P21 (3)
Caryological studies in anther-derived haploids of Nicotiana tabacum L. [Tobacco]. (Fre) Gorenflot, R; Raicu, P; Pelletier, G; Patrascu, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1097-1100. Eng. Sum. Oct 13, 1975

026105 505 P21 (3)
First cases of haploidy found in Coffea canephora Pierre [Coffee]. (Fre) Duglin, P; Parvais, J P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1157-1158. Ref. Eng. Sum. Oct 20, 1975

026106 470 C16C
Cladistic analysis of the diploid and hexaploid oats (Avena, Poaceae) using numerical techniques. Baum, B R *Can J Bot* 53 (19): 2115-2127. Ref. Oct 1, 1975

026107 470 C16C
Contribution to the teratology of the honeysuckles and to the fusion problem. III. Association of the biflora cyme with ontogenetic gamophylly [Lonicera nigra, Lonicera orientalis, Lonicera nigra pyrenaica, Lonicera xylosteoides]. (Fre) Lamond, M; Vieth, J *Can J Bot* 53 (17): 1906-1924. Ref. Eng. Sum. Sept 1, 1975

026108 470 C16C
Endosperm abnormalities in Triticum-Secale combinations. I. X Triticosecale and its parental species. Kaltsikes, P J; Roupakias, D G; Thomas, J B *Can J Bot* 53 (18): 2050-2067. Ref. Sept 15, 1975

026109 470 C16C
Endosperm abnormalities in Triticum-Secale combinations. II. Addition and substitution lines. Kaltsikes, P J; Roupakias, D G *Can J Bot* 53 (18): 2068-2076. Ref. Sept 15, 1975

026110 470 C16C
Identification of genomes and chromosomes involved in peroxidase synthesis of wheat seeds. Kobrehel, K; Feillet, P *Can J Bot* 53 (20): 2336-2344. Ref. Oct 15, 1975

026111 470 C16C
Nuclear fusion in intergeneric heterokaryons. A note [Peas]. Constabel, F; Dudits, D; Gamborg, O L; Kao, K N *Can J Bot* 53 (18): 2092-2095. Ref. Sept 15, 1975

026112 470 C16C
Plastid development in a virescens barley mutant and chloroplast microtubules. Jhamb, S; Zalik, S *Can J Bot* 53 (18): 2014-2025. Ref. Sept 15, 1975

026113 470 C16C
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Smut fungi]. Groth, J V *Can J Bot* 53 (19): 2233-2239. Ref. Oct 1, 1975

026114 470 C16C
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Fungi]. Groth, J V *Can J Bot* 53 (19): 2233-2239. Ref. Oct 1, 1975

026115 443.8 C16
A study of variation in fruit yield and related characters in two diallels of the lowbush blueberry, Vaccinium angustifolium Ait. Aalders, L E; hall, I V *Can J Genet Cytol* 17 (3): 401-404. Sept 1975

026116 443.8 C16
Abstracts of papers presented at the twentieth annual meeting of the Genetics Society of Canada, Saskatchewan, 1975. Genetics Society of Canada *Can J Genet Cytol* 17 (3): 455-469. Sept 1975

026117 443.8 C16
Action of "colonie lisse" mutation on cell morphology of Saccharomyces cerevisiae [Yeast]. Bizeau, C; Belin, J M; Galzy, P *Can J Genet Cytol* 17 (3): 395-399. Sept 1975

026118 443.8 C16
Association of pink albino seedlings with a radiation-induced translocation of cucumber. Whelan, E D P *Can J Genet Cytol* 17 (3): 451-453. Sept 1975

026119 443.8 C16
Development and characteristics of a disomic-1D addition line of durum wheat. Jpppa, L R; Bietz, J A; McDonald, C *Can J Genet Cytol* 17 (3): 355-363. Ref. Sept 1975

026120 443.8 C16
Escape from mating-type incompatibility in bisexual (A + a)Neurospora heterokaryons [Fungi]. DeLange, A M; Griffiths, A J F *Can J Genet Cytol* 17 (3): 441-449. Ref. Sept 1975

026121 443.8 C16
Evolution in the genus Avena: inheritance of different forms of ribulose diphosphate carboxylase [Oats]. Steer, M W *Can J Genet Cytol* 17 (3): 337-344. Ref. Sept 1975

026122 443.8 C16
Genetic analysis of time to ear emergence in hexaploid wheat, Triticum aestivum, using intervarietal chromosome substitution lines. Halloran, G M *Can J Genet Cytol* 17 (3): 365-373. Ref. Sept 1975

026123 443.8 C16
Genome relationships in Bromus erectus, Bromus pumpellianus ssp. dicksonii and Bromus pumpellianus. Armstrong, K C *Can J Genet Cytol* 17 (3): 391-394. Ref. Sept 1975

443.8 C16
Linkage and allelic relationships among genes for resistance in tomato (Lycopersicon esculentum) against Meloidogyne incognita [nematode]. Sidhu, G S; Webster, J M *Can J Genet Cytol* 17 (3): 323-328. Ref. Sept 1975

026124 443.8 C16
Meiotic pairing between single chromosomes of diploid Agropyron elongatum and decaploid Agropyron elongatum in Triticum aestivum [Wheat]. Dvorak, J *Can J Genet Cytol* 17 (3): 329-336. Ref. Sept 1975

026125 443.8 C16
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. Robertson, A J; Bech-Hansen, N T; Rank, G H *Can J Genet Cytol* 17 (3): 381-389. Ref. Sept 1975

026126 443.8 C16
The genic basis for differences in sedimentation value and protein content between two cultivars of Triticum aestivum [Wheat]. Wu, K K; Sosulski, F W; Wehrhahn, C F *Can J Genet Cytol* 17 (3): 433-439. Sept 1975

SB741.R8C45
On the presence of the gene Sr 5 in some European cultivars [Wheat, stem rust resistance, Puccinia graminis tritici]. Bartos, P *Cereal Rusts Bull* 3 (2): 27-28. July 1975

026127 450 C432
The correlation between mitochondrial complementation and heterosis in hybrid corn. (Chi) *Chih-wu Hsueh-pao* 17 (3): 250-251. Sept 1975

026128 442.8 C46
Permanent translocation heterozygosity in Viscum hildebrandtii Engl. and Viscum engleri Tiegh. (Viscaceae) in East Africa. Barlow, B A; Wiens, D *Chromosoma* 53 (3): 265-272. 1975

026129 442.8 C46
The B-chromosome system of Allium schoenoprasum. I. B-Distribution. Bougourd, S M; Parker, J S *Chromosoma* 53 (3): 273-282. Ref. 1975

SB251.I5C6
Economics of production of hybrid cotton seeds utilising male-sterile line. Srinivasan, K; Gururajan, K N *Cotton Dev* 4 (3): 3-5. Oct 1974

026130 475 SCI23
Aneuploids in Trigonella foenum-graecum. Singh, A; Singh, D *Curr Sci* 44 (22): 827-828. Nov 20, 1975

026131 475 SCI23
Effect of minerals on the chiasma frequency in desynaptic pearlmillet. Dhesi, J S; Minocha, J L; Sidhu, J S *Curr Sci* 44 (23): 862-863. Dec 5, 1975

026132 475 SCI23
Evolving breeding system in rai (Brassica juncea). Rai, K N; Singh, R B *Curr Sci* 44 (22): 824-825. Nov 20, 1975

475 SCI23
Inheritance of gall midge (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. Prasad, K; Chatterji, S M; Misra, B C *Curr Sci* 44 (17): 636-637. Sept 5, 1975

026133 475 SCI23
Lethal and mutagenic effects of gamma rays on Chaetomium aureum Chivers [Fungi]. Basanta,; Chaudhuri, K L; Ghora, K *Curr Sci* 44 (23): 855-857. Ref. Dec 5, 1975

026134 475 SCI23
Somatic variation in Cajanus cajan [Pigeonpeas]. Reddy, R P; Prasada Rao, N G *Curr Sci* 44 (22): 816-817. Nov 20, 1975

026135 QH573.C9
Mutagenic activity of hydrazine and its combinations with maleic hydrazide and X-rays in barley. Kak, S N; Kaul, B L *Cytobios* 12 (46): 123-128. Ref. 1975

026136 QH573.C92
A comparative study of the pollen of diploid and autotetraploid forms of species of Onobrychis L. [Sainfoin]. Polishvaiko, M N; Kononenko, A I *Cytol Genet* 8 (5): 32-35. Ref. 1974

026137 QH573.C92
Accumulation of stored nutrients in the grains of hexaploid triticale. Zhila, E D; Shulyndin, A F *Cytol Genet* 8 (5): 47-50. Ref. 1974

QH573.C92
Action of exogenous DNA on the eucaryotic organism and its cells [Animals, plants]. Berdyshev, G D; Masyuk, A I *Cytol Genet* 8 (5): 65-76. 1974

026138 QH573.C92
Correlation between potassium and lysine content in the kernels of normal and opaque (O2) corn. Okanenko, A S; Kirtoka, I Kh; Bershtein, B I; Palii, A F; Chalyk, T S; Ogurtsova, N A; Pashkar, S I *Cytol Genet* 8 (5): 57-59. Ref. 1974

026139 QH573.C92
Creation of millet breeding stock by chemical mutagenesis. Konstantinov, S I; Linnik, V M; Nikulina, N D *Cytol Genet* 8 (5): 22-25. 1974

026140 QH573.C92
Cytogenetic characteristics of tissue cultures from legume plants [Lathyrus odoratus, broadbeans, peas]. Frolova, L V; Shamina, Z B *Cytol Genet* 8 (5): 26-30. 1974

026141 QH573.C92
Differential staining of the chromosomes of Allium cepa L. [Onion]. Shchapova, A I; Stepochkin, P I; Kravtsova, L A *Cytol Genet* 8 (5): 44-46. 1974

026142 QH573.C92
Effect of certain chemical mutagens on chromosome rearrangements and growth processes in hard wheat. Mamalyga, V S *Cytol Genet* 8 (5): 36-40. Ref. 1974

026143 QH573.C92
Female sterility in hemp (Cannabis sativa L.). Soroka, V P *Cytol Genet* 8 (5): 60-61. Ref. 1974

026144 QH573.C92
Influence of low temperatures on meiotic abnormalities in soft spring wheat. Teplyakov, B I; Maksimenko, V P; Chekurov, V M *Cytol Genet* 8 (5): 19-21. 1974

026145 QH573.C92
Possible methods for determination of expression of sex in cucumbers (Cucumis sativus L.) during the seed stage. Nabokov, I G; Gladunov, I M; Maslova, N F *Cytol Genet* 8 (5): 51-53. 1974

026146 QH573.C92
Selection of hemp varieties in breeding for heterosis. Stepanov, G S *Cytol Genet* 8 (5): 54-56. 1974

026147 QH573.C92
Variation of apical-meristem cell size in mutant peas. Tsitlenok, S I; Bondar, L M *Cytol Genet* 8 (5): 41-43. Ref. 1974

026148 QP501.E8
Turnover of polyadenylated messenger RNA in fission yeast [Schizosaccharomyces pombe]. Evidence for the control of protein synthesis at the translational level. Fraser, R S S *Eur J Biochem* 60 (2): 477-486. Ref. Dec 1975

026149 442.9 F31P
Structural organization and processing of the genetic transcript in the cellular slime mold Dictyostelium discoideum. Firtel, R A; Kindle, K; Huxley, M P *Fed Proc Fed Am Soc Exp Biol* 35 (1): 13-22. Ref. Jan 1976

026150 QH431.A1S25
Dependent and independent combinability of yield elements and the Central European ideotype of wheat [Breeding]. Foltyn, J *Genet Slechteni* 11 (1): 31-38. Ref. Jan 1975

026151 QH431.A1S25
Genetic analysis and combining ability of grain yield components of maize inbred lines. Piovarci, A *Genet Slechteni* 11 (1): 3-8. Jan 1975

026152 QH431.A1S25
Genetic analysis of the grain weight per plant in wheat by the method of a single array of crosses. Velikovsky, V *Genet Slechteni* 11 (1): 9-16. Ref. Jan 1975

026153 QH431.A1S25
Genetic correlations of characters in pea pod Pisum sativumL. Dobias, A; Bodian, J *Genet Slechteni* 11 (1): 91-94. Jan 1975

026154 QH431.A1S25
Problems of a multivarietal selection for complex characters in self-pollinated cereals. Pesek, J *Genet Slechteni* 11 (1): 69-78. Ref. Jan 1975

026155 QH431.A1S25
The method of the main components and its application in selection [Plant breeding]. Vondracek, J *Genet Slechteni* 11 (1): 79-89. Jan 1975

026156 QH431.A1S25
The use of multivariate analysis in [plant] breeding and variety testing. Rod, J; Tosovsky, J *Genet Slechteni* 11 (1): 39-53. Jan 1975

026157 QH431.A1S25
[Genetic] analysis of complex leguminous plants' characters. Zlamal, P *Genet Slechteni* 11 (1): 17-29. Jan 1975

026158 443.8 H42
Discrimination of homologous chromosomes of maize with Giemsa staining. Hadlaczky, Gy; Kalman, L *Heredity* 35 (3): 371-374. Plates. Ref. Dec 1975

026159 443.8 H42
S-gene action and the significance of characters in the heterostylous syndrome [Plants]. Dulberger, R *Heredity* 35 (3): 407-415. Ref. Dec 1975

026160 443.8 H42
The chromosomal location of a major dwarfing fene from Norin 10 in new British semidwarf wheats. Gale, M D; Law, C N; Worland, A J *Heredity* 35 (3): 417-421. Ref. Dec 1975

026161 443.8 H42
The effect of gene dispersal on the dynamics and statics of gene substitution in plants. Levin, D A; Kerster, H W *Heredity* 35 (3): 317-336. Ref. Dec 1975

026162 443.8 H42
The Genetic effects of elevated temperature in the yeast, Saccharomyces cerevisiae. Evans, W E; Parry, J M *Heredity* 35 (3): 347-359. Ref. Dec 1975

026163 443.8 H42
The Genetical Society of Great Britain: Abstracts of papers presented at the hundred and seventy-eighth meeting of the society held on 8th, 9th and 10th July 1975 at the John Innes Institute, Norwich [Plants, bacteria]. *Heredity* 35 (3): 427-437. Dec 1975

026164 443.8 H42
The inheritance of three mechanisms of diplandroid (2n pollen) formation in diploid potatoes. Mok, D W S; Peloquin, S J *Heredity* 35 (3): 295-302. Ref. Dec 1975

026165 443.8 H42
Transposition of a member of a duplicated region in maize [Genetics]. Gavazzi, G *Heredity* 35 (5): 389-400. Ref. Dec 1975

026166 64.8 H66
Establishment of new sources of resistance to the groups of races of barley pollen smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. (Pol) Kozera, W; Roszko, A *Hodowla Rosl Aklim Inasiennic* 19 (3): 287-304. Ref. Eng. Sum. 1975

026167 64.8 H66
Hereditability of caryopse weight in spring barley hybrids. (Pol) Wegrzyn, S; Czembor, H *Hodowla Rosl Aklim Inasiennic* 19 (3): 269-279. Eng. Sum. 1975

026168 64.8 H66
Inheritance of quantitative traits in maize according to diallelic crosses. (Pol) Krolikowski, Z *Hodowla Rosl Aklim Inasiennic* 19 (3): 187-221. Ref. Eng. Sum. 1975

026169 64.8 H66
Restoring of pollen fertility in male-sterile lines of wheat (timopheevi) Triticum aestivum L. (Pol) Kolasinska, I *Hodowla Rosl Aklim Inasiennic* 19 (3): 223-244. Ref. Eng. Sum. 1975

026170 64.8 H66
Studies on some features of oil sunflower and their significance in breeding that plant in Poland. (Pol) Kloczowski, Z *Hodowla Rosl Aklim Inasiennic* 19 (2): 89-131. Ref. Eng. Sum. 1975

64.8 H66
Usefulness of micromethods for determination of milling and baking quality of wheat grain. III. Comparison of qualitative characters and varieties and lines of wheat. (Pol) Malawko-Murawska, Z *Hodowla Rosl Aklim Inasiennic* 19 (3): 245-255. Eng. Sum. 1975

026171 SB123.E91
Fusarium wilt of alfalfa and studies of disease resistance. Manninger, S *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 61-70. Ref. 1973 (Pub. 1974)

026172 SB123.E91
General and specific combining ability in lucerne at different levels of inbreeding and performance of second-generation synthetics measured in competitive conditions. Rotili, P; Zannone, L *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 71-91. 1973 (Pub. 1974)

026173 SB123.E91
Hypotheses on determinism of male sterility [Forage plants]. (Fre) Guy, P *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 35-47. 1973 (Pub. 1974)

026174 SB123.E91
Improving quality factors of alfalfa. (Fre) Bocsa, I; Buglos, J; Majko, Z *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 1-16. Ref. 1973 (Pub. 1974)

026175 SB123.E91
Selection criteria for Verticillium tolerance of alfalfa. (Fre) Guy, P; Genier, G *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 49-59. Eng. Sum. 1973 (Pub. 1974)

026176 SB123.E91
Some aspects of the lucerne breeding work in the GDR [German Democratic Republic] against Verticillium albo-atrum. Steuckardt, R; Hempel, K; Kuhfuss, K H *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 93-109. 1973 (Pub. 1974)

026177 SB123.E91
Some problems of male sterility transmission and combining ability in lucerne hybrids made with a cytoplasmic male sterility system. Bojtos, Z *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 17-26. 1973 (Pub. 1974)

026178 SB123.E91
Some problems of male sterility and the effects of heterosis in alfalfa. (Fre) Gueorguiev, Z; Androvski, A *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 27-33. 1973 (Pub. 1974)

026179 SB123.E91
The indole-3-acetic acid content in lucerne and its genetic control. Tafuri, F; Lorenzetti, F; Businelli, M; Scarponi, L *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 111-126. Ref. 1973 (Pub. 1974)

026180 S3.I5
Effect of saline-sodic soil on some quantitative characters of different genotypes in Indian mustard Brassica juncea L Czern & Coss. Singh, K N; Singh, T N; Mishra, B; Joshi, Y C *Indian J Agric Res* 8 (4): 249-255. Dec 1974

026181 S3.I5
Estimates of [genetic] variability in some quantitative characters of pea (Pisum sativum L). Srivastava, L S; Sachan, S C P *Indian J Agric Res* 8 (4): 239-242. Dec 1974

026182 S3.I5
Relative stability of pure lines, varietal mixtures and segregating populations in chickpea (Cicer arietinum L.). Chandra, S; Kishore, C; Malik, B P S *Indian J Agric Res* 9 (1/2): 15-24. Ref. Mar/June 1975

026183 80 IN2
Genetic variability and scope of improvement in onion seed crop. Sandhu, J S; Korla, B N *Indian J Hortic* 32 (1/2): 71-77. Ref. Mar/June 1975

026184 80 IN2
Heritability and genetic advance for root and fruit characters in radish. Lal, S; Srivastava, J P *Indian J Hortic* 32 (1/2): 91-93. Mar/June 1975

026185 80 IN2
Heterosis in garden pea (Pisum sativum var. Hortense). Brahmappa,; Singh, R D *Indian J Hortic* 32 (1/2): 87-90. Mar/June 1975

026186 442.9 AK124
The role of Angiospermae sperm cells of different quality for investigating the process of double fertilization. (Rus) Beliaeva, N S *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 3-8. Ref. Eng. Sum. 1975

026187 381 J8223
Synthesis of versicolorin A by a mutant strain of [the mold] Aspergillus parasiticus [Fungi] deficient in aflatoxin production [Heritability]. Lee, L S; Bennett, J W; Cucullu, A F; Stanley, J B *J Agric Food Chem* 23 (6): 1132-1134. Ref. Nov/Dec 1975

026188 10 J822
A note on Griffing's models for the diallel cross [Plant breeding]. Thompson, B K *J Agric Sci (Camb)* 85 (3): 575-576. Dec 1975

026189 10 J822
Genotype-environment interactions—a challenge for plant breeding. Hill, J *J Agric Sci (Camb)* 85 (3): 477-493. Ref. Dec 1975

026190 10 J822
Influence of isolation distance on genetic contamination of field bean (Vicia faba L.) seed produced in small plots. Pope, M; Bond, D A *J Agric Sci (Camb)* 85 (3): 509-513. Dec 1975

026191 10 J822
The question of grain content and forage quality in maize: comparisons between isogenic fertile and sterile plants. Bunting, E S *J Agric Sci (Camb)* 85 (3): 455-463. Ref. Dec 1975

026192 448.3 J82
Evidence for a sex hormone in Dictyostelium discoideum [fungi]. MacHac, M A; Bonner, J T *J Bacteriol* 124 (3): 1624-1625. Ref. Dec 1975

026193 448.3 J82
Gene dosage effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and mutant alleles. Reichert, U; Winter, M *J Bacteriol* 124 (3): 1041-1045. Ref. Dec 1975

026194 448.3 J82
Induction of petite mutations during germination and outgrowth of Saccharomyces cerevisiae [yeasts] ascospores. Redshaw, P A *J Bacteriol* 124 (3): 1411-1416. Ref. Dec 1975

026195 448.3 J82
Linkage of six genes in [the unicellular green alga] Chlamydomonas reinhardtii [Algae] and the construction of linkage test strains. Smyth, R D; Martinek, G W; Ebersold, W T *J Bacteriol* 124 (3): 1615-1617. Ref. Dec 1975

026196 448.3 J82
Simple and sensitive procedure for screening yeast [Saccharomyces cerevisiae] mutants that lyse at nonpermissive temperatures. Cabib, E; Duran, A *J Bacteriol* 124 (3): 1604-1606. Dec 1975

026197 448.3 J82
Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae [yeasts]: meiosis with defective ascospore wall formation. Whelan, W L; Ballou, C E *J Bacteriol* 124 (3): 1545-1557. Ref. Dec 1975

026198 381 J824
Regulation of mitochondrial biogenesis: enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. Woods, R A; Mattoon, R *J Biol Chem* 250 (23): 9090-9098. Ref. Dec 10, 1975

026199 442.8 J828
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. II. Flagellar membranes and the agglutination reaction. Bergman, K; Goodenough, W; Goodenough, D A; Jawitz, J; Martin, H *J Cell Biol* 67 (3): 606-622. Ref. Dec 1975

026200 442.8 J828
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in wild-type and mutant strains. Goodenough, U W; Weiss, R L *J Cell Biol* 67 (3): 623-637. Ref. Dec 1975

421 J822
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. Scriber, J M; Tingey, W M; Gracen, V E; Sullivan, S L *J Econ Entomol* 68 (6): 823-826. Dec 15, 1975

026201 448.3 J823
Isolation and haploidization of heterozygous diploid strains in a species of Humicola [Soil fungi]. De Bertoldi, M; Caten, C M *J Gen Microbiol* 91 (1): 63-73. Ref. Nov 1975

026202 80 J825
An estimate of the variability of the yield of individual strawberry plants and its significance for a breeding programme. Maclachlan, J B *J Hortic Sci* 50 (4): 399-403. Oct 1975

026203 382 SO12
A comparison of two rapid screening methods for the selection of high-lysine barleys. Rhodes, A P *J Sci Food Agric* 26 (11): 1703-1710. Ref. Nov 1975

026204 QK495.C11K3
The "red queen" [Hybrid of Selenicereus and Heliocereus]. (Ger) Meier, E *Kakteen Sukkulenten* 26 (12): 280-286. Dec 1975

026205 QK495.C11K3
Trichocereus and Helianthocereus hybrids. (Ger) Eckert, K *Kakteen Sukkulenten* 26 (11): 260-262. Nov 1975

026206 75.8 K147
Breeding of starchy potato varieties. (Rus) Al'smik, P; Pantiukhina, L; Semenova, I; Kupchina, S *Kartofel Ovoschi* 6: 7-9. June 1975

026207 75.8 K147
Breeding of vegetables in Bulgaria. (Rus) Alekseeva, M *Kartofel Ovoschi* 1: 47. Jan 1975

026208 75.8 K147
Heterosis hybrids and seeds. (Rus) Chenykaeva, E *Kartofel Ovoschi* 1: 41-42. Jan 1975

026209 75.8 K147
Hybridization of the potato using shooty cuttings. (Rus) Kotova, K *Kartofel Ovoschi* 5: 38. May 1975

026210 75.8 K147
Problems in breeding potatoes in the non-Chernozem area. (Rus) Kameraz, A *Kartofel Ovoschi* 1: 6-8. Jan 1975

026211 72.8 K522
A method of obtaining seeds of an intergeneric hybrid [of cotton]. (Rus) Vysotskii, K A *Khlopkovodsto* 5: 31-32. May 1975

026212 72.8 K522
Early maturing and resistance to [Verticillium] wilt of cotton [Breeding]. (Rus) Mirakhmedov, S M *Khlopkovodsto* 8: 27-28. Aug 1975

026213 72.8 K522
Selections in initial hybrid generations [of cotton]. (Rus) Azizov, M *Khlopkovodsto* 8: 26-27. Aug 1975

026214 442.8 Z34
Cytogenetic demonstration of mitotic chromosomes in the yeast Saccharomyces cerevisiae. Wintersberger, U; Binder, M; Fischer, P *Mol Gen Genet (MGG)* 142 (1): 13-17. Ref. 1975

026215 442.8 Z34
Regulation of the ilv 1 multifunctional gene in Saccharomyces cerevisiae [Yeasts]. Bollon, A P *Mol Gen Genet (MGG)* 142 (1): 1-12. Ref. 1975

026216 442.8 Z34
The mating reaction in yeast [Saccharomyces cerevisiae]. II. Spontaneous occurrence of omni-mating types. Blamire, J *Mol Gen Genet (MGG)* 141 (2): 185-188. 1975

026217 QH301.M6
A new method for treating perennial fruit trees with chemical mutagens. Dryagina, I V; Limberger, G E *Moscow Univ Biol Sci Bull* 29 (5/6): 100-102. 1974

026218 QH301.M6
Certain characteristics of wheat stem growth [Breeding]. Meremkulova, R N *Moscow Univ Biol Sci Bull* 29 (5/6): 62-64. Ref. 1974

026219 QH301.M6
Photochemical activity of isolated corn chloroplasts in relation to heterosis. Ovchinnikova, M F; Yakovlev, A P *Moscow Univ Biol Sci Bull* 29 (5/6): 57-61. Ref. 1974

026220 443.8 M98
A kinetic analysis of spontaneous p-mutations in yeast [Saccharomyces cerevisiae]. James, A P; Johnson, B F; Inhaber, E R; Gridgeman, N T *Mutat Res* 30 (2): 199-208. Ref. Nov 1975

026221 443.8 M98
Ethidium bromide mutagenesis in yeast [Saccharomyces cerevisiae]: protection by anaerobiosis. Pinto, M; Guerineau, M; Paoletti, C *Mutat Res* 30 (2): 219-227. Ref. Nov 1975

026222 443.8 M98
Frequency of nonsense mutations (amber and ochre) induced by UV [ultraviolet] light in the ura3 gene in Saccharomyces cerevisiae [Yeasts]. Gerola, P; Sora, S *Mutat Res* 30 (2): 279-281. Ref. Nov 1975

026223 443.8 M98
Genetic activity of niridazole in yeast [Saccharomyces cerevisiae]. Shahin, M M *Mutat Res* 30 (2): 191-198. Ref. Nov 1975

026224 443.8 M98
Induction of DNA double-strand breaks by X-rays in a radiosensitive stain of the yeast Saccharomyces cerevisiae. Ho, K S Y *Mutat Res* 30 (3): 327-334. Ref. Dec 1975

026225 443.8 M98
Induction of p- mutants in Saccharomyces cerevisiae [yeasts] by guanidine hydrochloride. II. Conditions that prevent p- induction. Juliani, M H; Costa, S O P da *Mutat Res* 30 (3): 335-342. Ref. Dec 1975

026226 443.8 M98
Repair of UV [ultraviolet]-induced DNA damage and survival in yeast [Saccharomyces cerevisiae]. I. Dimer excision. Wheatcroft, R; Cox, B S; Haynes, R H *Mutat Res* 30 (2): 209-217. Ref. Nov 1975

026227 443.8 M98
The effect of caffeine on survival of UV-[ultra violet]-irradiated diploid yeast [Saccharomyces cerevisiae] strains of different sensitivities. Kiefer, J *Mutat Res* 30 (3): 317-326. Ref. Dec 1975

026228 472 N21
Tolerance of Lolium hybrids to quantitative variation in nuclear DNA. Gupta, P K; Rees, H *Nature* 257 (5527): 587-588. Oct 16, 1975

026229 77.8 OL2
Assisted pollination and contamination by undesirable pollens [Coconuts]. (Fre) Nuce de Lamothe, M de; Rognon, F *Oleagineux* 30 (8/9): 359-364. Aug/Sept 1975

026230 450 P5622
Anthocyanin inheritance in petals of flax, Linum usitatissimum. Dubois, J A; Harborne, J B *Phytochemistry* 14 (11): 2491-2494. Ref. Nov 1975

026231 450 P692
Auxin: its role in genetic tumor induction [in Nicotiana suaveolens X Nicotiana langsdorffii]. Ames, I H; Mistretta, P W *Plant Physiol* 56 (6): 744-746. Ref. Dec 1975

026232 450 OS7
Chromosome numbers and evolution in Ophrys (Orchidaceae). Greilhuber, J; Ehrendorfer, F *Plant Syst Evol* 124 (2): 125-138. Ref. Eng. Sum. 1975

026233 450 OS7
Heterogeneity of heterochromatin in plants: comparison of Hy- and C-bands in Vicia faba [Broadbeans]. Greilhuber, J *Plant Syst Evol* 124 (2): 139-156. Ref. Eng. Sum. 1975

026234 450 OS7
Hybrids and hybrid taxa from Ophrys bertolonii and Ophrys atrata (Ochidaceae) [Italy]. (Ger) Danesch, O; Danesch, E; Ehrendorfer, F; Ehrendorfer, K *Plant Syst Evol* 124 (2): 79-123. Ref. Eng. Sum. 1975

026235 513 N212 PT.B
Complete [chromosomal] interchange stock in pearlmillet. Tyagi, B R; Singh, R B *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 358-362. Aug 1974

026236 500 N21P
Electron microscopic observations on the meiotic karyotype of diploid and tetraploid saccharomyces cerevisiae [Yeasts]. Byers, B; Goetsch, L *Proc Natl Acad Sci U S A* 72 (12): 5056-5060. Ref. Dec 1975

026237 S293.C6N31
Inheritance of grain yield and its components in two crosses of rice (Oryza sativa L.). (Tha) *Proc Natl Conf Agric Biol Sci* 13: 206-211. Eng. Sum. 1974

026238 S293.C6N31
Phenotypic correlation between panicle exertion and plant height in rice (Oryza sativa). (Tha) *Proc Natl Conf Agric Biol Sci* 13: 221-226. 1974

026239 S293.C6N31
Quality improvement [of maize resistance to downy mildew]. Sriwatanapongse, S *Proc Natl Conf Agric Biol Sci* 13: 227-231. 1974

026240 442.8 P94
Membrane-bounded cisternae associated with the chromosomes at first meiotic metaphase in microsporocytes of Rhoeo spathacea. Williams, E; Heslop-Harrison, J *Protoplasma* 86 (1/3): 285-289. 1975

026241 7 C16PU
Wild oat [Avena fatua] gene pool: a collection maintained by the Canada Department of Agriculture. Baum, B R; Rajhathy, T; Martens, J W; Thomas, H *Publ Agric Can* 1475, Rev., 100 P. 1975

026242 SB29.K8A3
Study on some characteristics of pepper hybrids. (Kor) Park, S K; Yu, I O; Choi, C I *Res Rep Off Rural Dev (Suwon)* 17: 43-47. Ref. Eng. Sum. Aug 1975

026243 SB183.S3
Heredity of some less-frequent phenotype manifestations of morphological characters in sunflower (Helianthus annuus L.). (Rus) Shkaloud, V; Kovachik, A *Sci Agric Bohemoslov* 7 (1): 11-17. Ref. 1975

026244 SB183.S3
Implications of longer-time inbreeding and the possibilities of their elimination through SIB-crossing in sunflower (Helianthus annuus L.). (Rus) Kovachik, A; Shkaloud, V *Sci Agric Bohemoslov* 7 (1): 19-24. Eng. Sum. 1975

026245 470 SCI2
Fraction 1 protein and the origin of polyploid wheats. Chen, K; Gray, J C; Wildman, S G *Science* 190 (4221): 1304-1306. Dec 26, 1975

026246 61.9 SE5
A fertilizer distributor [for plots used in plant breeding]. (Rus) Zhidonite, IA; Butanavichius, B *Sel Semenovod (Mosk)* 3: 64-65. May/June 1975

026247 61.9 SE5
A pneumatic grading table PSS-02 [for seeds used in breeding]. (Rus) Kosmovskii, IU A; Nekipelov, IU F *Sel Semenovod (Mosk)* 3: 61-64. May/June 1975

026248 61.9 SE5
A prominent [wheat] breeder [Vasilii Nikolaevich Remeslo]. (Rus) Kolomatskii, A V; Zhivotkov, L A *Sel Semenovod (Mosk)* 4: 8-10. Jul/Aug 1975

026249 61.9 SE5
A rotary implement attached to MF-70 motorobot [for soil tillage in breeding nurseries]. (Rus) Nuzhnyi, A F; Kalita, E F *Sel Semenovod (Mosk)* 3: 65. May/June 1975

026250 61.9 SE5
About breeding oats. (Rus) Zelenskii, S S *Sel Semenovod (Mosk)* 4: 18-19. Jul/Aug 1975

026251 61.9 SE5
Acceleration of winter wheat vernalization when grown under controlled conditions [for breeding]. (Rus) Biriukov, S V; Babenko, V I *Sel Semenovod (Mosk)* 4: 27-28. Jul/Aug 1975

026252 61.9 SE5
Belorussian scientists—laureates of the State prize [Potato breeding]. (Rus) Ivanchenko, G Z *Sel Semenovod (Mosk)* 3: 8-10. May/June 1975

026253 61.9 SE5
Determination of groats formation ability of wheat grain for the evaluation of its quality [during early stages of breeding]. (Rus) Dunduk, I G; Ermakova, M F; Maistrenko, O I *Sel Semenovod (Mosk)* 4: 30-33. Jul/Aug 1975

026254 61.9 SE5
Harvesting of [cereal] breeding material with a reconstructed lawn mower. (Rus) Loginov, IU P; Serkin, V N *Sel Semenovod (Mosk)* 4: 69-70. Jul/Aug 1975

026255 61.9 SE5
In the East-Siberian plant breeding center. (Rus) Surin, N A *Sel Semenovod (Mosk)* 3: 11-15. May/June 1975

026256 61.9 SE5
In the Moscow plant breeding center. (Rus) Guliaev, G V; Beliakov, I I *Sel Semenovod (Mosk)* 3: 15-18. May/June 1975

026257 61.9 SE5
In the Western plant breeding center. (Rus) Mukhin, N D; Kovalenko, I F *Sel Semenovod (Mosk)* 3: 19-21. May/June 1975

026258 61.9 SE5
Initial [breeding] material of wheat resistant to virus diseases. (Rus) Panarin, I V; Dubonosov, T S *Sel Semenovod (Mosk)* 3: 33-34. May/June 1975

026259 61.9 SE5
Methods and results of breeding oil crops in the Don region. (Rus) Alekseev, A P *Sel Semenovod (Mosk)* 3: 21-25. May/June 1975

026260 61.9 SE5
M3-1 thresher of breeding material [of cereals and grain legumes]. (Rus) Kalashnikova, N V; Osipov, B F *Sel Semenovod (Mosk)* 4: 67-68. Jul/Aug 1975

026261 61.9 SE5
Specimens of spring wheat [varieties] resistant to races of stem and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. (Rus) IAkubnitser, M M; Temreshev, I G; Ismukhambetova, A K *Sel Semenovod (Mosk)* 3: 32-33. May/June 1975

026262 61.9 SE5
Study of the inheritance of sedimentation indicator of soft winter wheat. (Rus) Grabovskii, V B; Kotko, I K; Boiko, G I *Sel Semenovod (Mosk)* 4: 38. Jul/Aug 1975

026263 61.9 SE5
The biological evaluation of the [plant] production [in breeding]. (Rus) Ignat'ev, A D; Makasheva, R Kh; Kerimova, M G; Chekhovskii, I A; Boldyreva, E T *Sel Semenovod (Mosk)* 4: 39. Jul/Aug 1975

026264 61.9 SE5
The breeding of nonleguminous plants for the development in them of symbiotic fixation of atmospheric nitrogen. (Rus) Cheremisov, B M *Sel Semenovod (Mosk)* 3: 25-28. May/June 1975

026265 61.9 SE5
The breeding of tomato varieties for canning for the central zone [of the USSR]. (Rus) Glavinich, R D; Toropkina, M N *Sel Semenovod (Mosk)* 3: 28-30. May/June 1975

026266 61.9 SE5
The creator of original varieties of tomatoes [Aleksandr Vasil'evich Alpat'ev, plant breeding]. (Rus) Popando, I A *Sel Semenovod (Mosk)* 4: 15-17. Jul/Aug 1975

026267 61.9 SE5
The determination of the level of heterosis of single-sex hemp hybrids by the index method. (Rus) Stepanov, G S *Sel Semenovod (Mosk)* 3: 76. May/June 1975

026268 61.9 SE5
The evaluation of the initial [breeding] material of winter wheat for resistance to loose smut [Ustilago tritici]. (Rus) Novokhatka, V G *Sel Semenovod (Mosk)* 3: 30-31. May/June 1975

026269 61.9 SE5
The growing of cereals in the Martonvasar phytotron [for breeding purposes]. (Rus) Timofeev, V B *Sel Semenovod (Mosk)* 4: 74-75. Jul/Aug 1975

61.9 SE5
The inheritance of cabbage resistance to speck necrosis. (Rus) Polegaev, V I *Sel Semenovod (Mosk)* 3: 77-78. May/June 1975

026270 61.9 SE5
The kind of a vessel that should be used for visual estimation of seeds [in breeding]. (Rus) Ivanov, IU A *Sel Semenovod (Mosk)* 3: 49-50. May/June 1975

026271 61.9 SE5
The methodology of accelerated breeding of cereals. (Rus) Kornilov, A A *Sel Semenovod (Mosk)* 4: 25-27. Jul/Aug 1975

026272 61.9 SE5
The most valuable varieties of barley and oats. (Rus) Koz'mina, K A; Romanova, L M *Sel Semenovod (Mosk)* 3: 36-40. May/June 1975

026273 61.9 SE5
The productivity coefficient of the spring wheat spike [Varieties]. (Rus) Larionov, IU S *Sel Semenovod (Mosk)* 3: 73-74. May/June 1975

026274 61.9 SE5
The reproduction of fiber flax hybrids grown under artificial light. (Rus) Rogash, A R; Krepkov, A P; Dolgushev, V A *Sel Semenovod (Mosk)* 4: 29-30. Jul/Aug 1975

026275 61.9 SE5
The results of studying breeding material under the conditions of the North-East [of the European part of the USSR]. (Rus) Grinichenko, L S; Susiova, IU N *Sel Semenovod (Mosk)* 3: 31-32. May/June 1975

026276 61.9 SE5
The results of reproducing breeding material [of wheat] in Turkmenia. (Rus) TSil'ke, R A; Kachur, O T; Saparov, A *Sel Semenovod (Mosk)* 4: 22-24. Jul/Aug 1975

026277 61.9 SE5
The role of spatial structure of a light field in the formation of spring wheat crop [for the reproduction of breeding material]. (Rus) Leman, V M; Fantalov, O S; Vlasova, O P *Sel Semenovod (Mosk)* 4: 20-22. Jul/Aug 1975

026278 61.9 SE5
The yield and quality of grain of barley varieties under different mineral fertilization levels [in breeding intensive types]. (Rus) Manziuk, V T; Shkumat, V P *Sel Semenovod (Mosk)* 4: 33-35. Jul/Aug 1975

026279 61.9 SE5
Winter wheat [variety] Krasnovodopadskaia 210. (Rus) Marko, A F *Sel Semenovod (Mosk)* 3: 35-36. May/June 1975

026280 61.9 SE5
[Results of work of] scientists of the Scientific-Research Institute of Vegetable Farming [in breeding]. (Rus) Kvasnikov, B V; Rossoshanskii, A A *Sel Semenovod (Mosk)* 4: 1-7. Jul/Aug 1975

026281 9.3 SI4
New improved kidney bean varieties for internal comsumption and export [Breeding for mosaic resistance, Chile]. (Spa) Cafati K, C; Alvarez A, M *Simiente* 45 (1): 33-36. Jan/Mar 1975

026282 QH431.A1G43
An investigation of the effect of mutagens on wheat varieties and species of different ploidy levels. Gaina, L V; Valeva, S A *Sov Genet* 10 (1): 1-6. Ref. Jan 1974 (Transl Aug 1975)

026283 QH431.A1G43
Analysis of inheritance of the sensitivity of yeast [Saccharomyces cerevisiae] to radiation and nitrous acid. Arman, I P; Devin, A B; Dutova, T A *Sov Genet* 10 (1): 86-90. Ref. Jan 1974 (Transl Aug 1975)

026284 QH431.A1G43
Comparative genetics of yeast. XIV. Analysis of wine strains of Saccharomyces neutral to killer strain of type k2. Naumov, G I *Sov Genet* 10 (1): 100-105. Ref. Jan 1974 (Transl Aug 1975)

026285 QH431.A1G43
Correlation in mutant carrots and beets. Dolgikh, S T; Tverdokhlebov, V A *Sov Genet* 10 (1): 18-20. Jan 1974 (Transl Aug 1975)

026286 QH431.A1G43
Nonnuclear mutations in sunflower. II. Lethal chlorophyll mutations in the progeny of plants with variegated leaves. Beletskii, YU D; Razoriteleva, E K *Sov Genet* 10 (1): 14-17. Ref. Jan 1974 (Transl Aug 1975)

026287 QH431.A1G43
The joint action of gamma rays and ethylenimine during the presynthetic period of the mitotic cycle on cells of seeds of Crepis capillaris. Sidorov, V P *Sov Genet* 10 (1): 21-27. Ref. Jan 1974 (Transl Aug 1975)

026288 QH431.A1G43
The radiosensitivity of cells in various phases of the mitotic cycle in Crepis capillaris L. seedlings. Kaznadzei, V V *Sov Genet* 10 (1): 28-35. Ref. Jan 1974 (Transl Aug 1975)

026289 QH431.A1G43
The role of supplementary genes in the control of Texas type cytoplasmic male sterility in corn. Gontarovskii, V A *Sov Genet* 10 (1): 7-13. Ref. Jan 1974 (Transl Aug 1975)

026290 QH431.A1G43
Variability of characters in artificial tetraploids of squash (Curcurbita maxima Duch.). Chekalina, I N; Pestova, T M *Sov Genet* 10 (1): 126-127. Jan 1974 (Transl Aug 1975)

026291 68.19 M28
A new form of orange [in the breeding material]. (Rus) Goliadze, Sh K; Vashalomidze, A D; Tikanadze, L N *Subtrop Kul't* 1: 50-52. 1975

026292 SB215.S8
A progress report on three selection schemes with differing emphases on canopy height [Sugarcane]. Symington, W M *Sugarcane Breed Newsl* 35: 55-65. Mar 1975

026293 SB215.S8
Assessment of cold tolerance in sugarcane hybrids derived frrom traditional and new germplasm. Roach, B T; Maynard, E O *Sugarcane Breed Newsl* 35: 43-49. Mar 1975

026294 SB215.S8
Notes on disease resistance of tissue culture sub-clones and fusion of sugarcane protoplasts [for the improvement of varieties]. Krishnamurthi, M *Sugarcane Breed Newsl* 35: 24-26. Mar 1975

026295 SB215.S8
Population parameters of some agronomic characters of [sugarcane] clones in the germplasm collection of La granja Experiment Station, Philippine Sugar Institute. Lapastora, E P; Empig, L T; Solivas, E S; Magajes, B E *Sugarcane Breed Newsl* 35: 27-35. Mar 1975

026296 SB215.S8
Screening Indo American (IA) hybrid sugarcane clones for drought resistance. Prasada Rao, M; Reddy, M S *Sugarcane Breed Newsl* 35: 40-42. Mar 1975

026297 SB215.S8
Selection consequences of differential performance of standard [sugarcane] clones across environments. Pollock, J S *Sugarcane Breed Newsl* 35: 36-39. Mar 1975

026298 SB215.S8
The origin of sugarcanes and centres of genetic diversity in Saccharum: an enquiry to determine the most profitable areas to explore for sugarcane germplasm. Daniels, J; Smith, P; Paton, N *Sugarcane Breed Newsl* 35: 4-18. Ref. Mar 1975

026299 SB215.S8
2n=80 Saccharum spontaneum and the origin of sugarcane. Daniels, J; Smith, P; Paton, N; Roach, B *Sugarcane Breed Newsl* 35: 19-20. Mar 1975

026300 442.8 Z8
Asynapsis in cluster bean (Cyamopsis tetragonoloba (L.) Taub.). Sohoo, M S; Gill, K S *TAG (Theor Appl Genet)* 46 (8): 411-412. 1975

026301 442.8 Z8
Breeding implications from a diallel analysis in two environments of yield and component characters in Upland cotton (Gossypium hirsutum). Gridley, H E *TAG (Theor Appl Genet)* 46 (8): 401-406. Ref. 1975

026302 442.8 Z8
Efficiency changes due to use of doubled-haploids in recurrent selection methods [Datura stramonium]. Griffing, B *TAG (Theor Appl Genet)* 46 (8): 376-385. Ref. 1975

026303 442.8 Z8
Genetics of a dwarf mutant in groundnut. Patil, S H; Mouli, C *TAG (Theor Appl Genet)* 46 (8): 395-399. Ref. 1975

026304 442.8 Z8
In vitro culture of wheat. III. Anther culture of the A genome aneuploids in common wheat. Shimada, T; Makino, T *TAG (Theor Appl Genet)* 46 (8): 407-410. Ref. 1975

026305 442.8 Z8
Selection with truncation in autotetraploids comparison with diploids [Forage plants]. Gallais, A *TAG (Theor Appl Genet)* 46 (8): 387-394. Ref. 1975

026306 474 UM7
Genetic manipulations on higher plants. (Ger) Hess, D *Umschau* 75 (16): 501-507. Ref. Eng. Sum. Aug 15, 1975

026307 64.8 Z12
Study of gene source of cultivated plants. (Cze) Bares, I *Uroda* 23 (8): 288-289. Aug 1975

026308 95.8 V77
Breeding of grape varieties resistant to Phylloxera by means of intervarietal hybridization. (Rus) Ergesian, R A *Vinodel Vinograd SSSR* 4: 30-32. 1975

026309 95.8 V77
Method of breeding for combined immunity of grapes to fungus diseases and Phylloxera. (Rus) Verderevskii, D D; Voitovich, K A *Vinodel Vinograd SSSR* 4: 28-30. 1975

026310 20 V82
Ratio between size of potato berries and the quantity and quality of the seeds [Breeding]. (Ukr) Rodionova, Z V; Kohut, I D *Visn Sil's'kohospod Nauki* 6: 92-93. June 1975

026311 20 V82
Reproduction of potato breeding stock in the German Democratic Republic. (Ukr) Osipchuk, A A *Visn Sil's'kohospod Nauki* 9: 110-111. Sept 1975

026312 20 V82
Study of hybrid vigor in simple and complex intervarietal hybrids of hemp. (Ukr) Stepanov, H S *Visn Sil's'kohospod Nauki* 9: 49-53. Sept 1975

026313 421 Z1
Disease resistance of plant varieties [Breeding]. (Rus) Kabalkina, N A *Zashch Rast* 4: 10-13. Apr 1975

026314 448.3 C33 (3)
Sex hormones in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to "male sterility" of the A mating type). Islam, M S *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 206-210. 1975

PLANT PHYSIOLOGY AND BIOCHEMISTRY—GENERAL

20.5 AC8
Content of copper in soils and meadow plants in some regions of southern Poland. (Pol) Gorlach, E; Gorlach, K *Acta Agrar Silv, Ser Agrar* 14 (1): 35-48. Ref. Eng. Sum. 1974

026315 80 AC82
Perspectives in the hormone physiology of tropical crops. Responses to water stress. Browning, G *Acta Hortic* 49: 113-123. Ref. July 1975

026316 80 AC82
Plant growth optimisation using a small computer. Takakura, T *Acta Hortic* 46: 147-156. Apr 1975

026317 80 AC82
Regulated ripening of Coffea arabica L. In Kenya: studies on the use of 2-chloroethyl phosphonic acid. Opile, W R; Browning, G *Acta Hortic* 49: 125-137. Ref. July 1975

026318 80 AC82
Stimulation of branching in young tea plants. Kagira, C N *Acta Hortic* 49: 137-145. Ref. July 1975

026319 80 AC82
Studies in natural pollination of cocoa in Ghana. Amponsah, J D *Acta Hortic* 49: 223-229. July 1975

026320 80 AC82
The germination of Cola acuminata (P. Beauv.) Schott and Endl. Ibikunle, B O *Acta Hortic* 49: 75-83. Ref. July 1975

026321 80 AC82
The influence of IBA (b-indolyl-butyric acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by leaf-bud cuttings. Ibikunle, B O; Mackenzie, J A *Acta Hortic* 49: 167-174. Ref. July 1975

026322 QR1.A33
Influence of amino acids, thiourea and hydroquinone on cellulolytic activity in some Fusarium [Fungi] strains. Szajer, C *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 111-124. Ref. 1975

026323 QR1.A33
Production of gibberellin-like substances by fungi isolated from mycorrhizae of pine (Pinus silvestris L.). Strzelczyk, E; Sitek, J; Kowalski, S *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 145-153. Ref. 1975

026324 QR1.A33
Studies on the decomposition of lignosulfonates by the fungi Pleurotus ostreatus and Trametes pubescens. Wojtas-Wasilewska, M; Trojanowski, J *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 77-90. Ref. 1975

026325 448.3 AC83
Antibiotic fermentation, and their regulation [Fungi, bacteria]. (Chi) Chou, C H *Acta Microbiol Sinica* 15 (3): 246-258. Ref. Eng. Sum. Sept 1975

026326 448.3 AC83
Fermentative production of fumaric acid from liquid N-paraffin by Candida rugosa [Yeasts]. II. Studies on the fermentation conditions. (Chi) Chen, L C; Tien, C; Fu, M F; Lin, Y J; Chen, H W; Wang, S C *Acta Microbiol Sinica* 15 (3): 197-204. Eng. Sum. Sept 1975

026327 448.3 AC83
Plant growth promoting substances produced by Actinomycete 5406 [Fungi]. (Chi) *Acta Microbiol Sinica* 15 (3): 217-222. Eng. Sum. Sept 1975

026328 448.3 AC83
Preliminary studies on fermentative production of tryptophan [Candida arborea, yeasts]. (Chi) Li, L K; Tang, J T; Fu, M F; Mo, L; Zhang, S H; Chen, C *Acta Microbiol Sinica* 15 (3): 212-216. Eng. Sum. Sept 1975

026329 448.3 AC83
Studies on Marasmius androsaceus [Fungi]. (Chi) *Acta Microbiol Sinica* 15 (3): 188-190. Eng. Sum. Sept 1975

026330 448.3 AC83
Studies on the fermentation of citric acid from N-alkanes by Candida lipolytica B74 [Yeasts]. (Chi) *Acta Microbiol Sinica* 15 (3): 191-196. Eng. Sum. Sept 1975

026331 451 SO16
Attempt at evaluation of the degree and rate of moss decay in a natural habitat. Rejment-Grochowska, I; Misztal-Cieliczko, M *Acta Soc Bot Pol* 44 (2): 231-242. 1975

026332 451 SO16
Attempts at establishing the culture conditions for Lemna minor L. Krzechowska, M; Zimna, J; Bytniewska, K; Maciejewska-Potapczyk, W *Acta Soc Bot Pol* 44 (2): 243-253. Ref. 1975

026333 451 SO16
Gametogenesis and pollination processes in Ornithopus pinnatus (Mill.) Druce in reference to flower bud development. Wojciechowska, W *Acta Soc Bot Pol* 44 (2): 201-215. Ref. 1975

026334 451 SO16
Interferometric measurements of dry mass content in nuclei and cytoplasm in the life cycle of antheridial filaments cells of Chara vulgaris L. [Algae] in their successive developmental stages. Kuran, H *Acta Soc Bot Pol* 44 (3): 323-333. Ref. 1975

026335 451 SO16
Moss regeneration on the example of Aulacomnium palustre (Hew.) Schwaegr. Lepiarz-Wittner, E *Acta Soc Bot Pol* 44 (3): 407-413. 1975

026336 451 SO16
Relationship between formation of gametophore buds in the protonema of mosses and increase in ribonuclease activity. Spychala, M; Schneider, J; Szweykowska, A *Acta Soc Bot Pol* 44 (3): 433-441. Ref. 1975

026337 451 SO16
The influence of gibberellic acid and kinetin on the growth of Scenedesmus quadricauda (Turp.) Breb. [Algae]. Buczek, J; Kubik-Dobosz, G; Tatkowska, E *Acta Soc Bot Pol* 44 (3): 415-421. Ref. 1975

026338 451 SO16
Tussilago farfara L.—a plant relatively resistant to industrial air pollution. Swieboda, M; Brunarska, Z *Acta Soc Bot Pol* 44 (2): 189-202. Ref. 1975

QP901.A33
Preformed mRNA and the programming of early embryo development [Includes animals and plants]. Marcus, A; Spiegel, S; Brooker, J D *Adv Exp Med Biol* 62: 1-19. Ref. 1975

026339 QP901.A33
Regulation of transcription in yeast [Saccharomyces cerevisiae]. Saunders, C; Sogin, S J; Kaback, D B; Halvorson, H O *Adv Exp Med Biol* 62: 21-34. Ref. 1975

026340 385 AG8B
Flavonoids in the flowers of Gnaphalium affine D. Don. Itakura, Y; Imoto, T; Kato, A; Yagishita, K *Agric Biol Chem* 39 (11): 2237-2238. Nov 1975

026341 385 AG8B
Fungal metabolism of trans-2-octenoic acid [by Mucor]. Tahara, S; Nagai, T; Kurogochi, S; Mizutani, J *Agric Biol Chem* 39 (11): 2259-2260. Nov 1975

026342 385 AG8B
Isolation and identification of cotylenins F and G [of a fungus, Cladosporium]. Sassa, T; Takahama, A *Agric Biol Chem* 39 (11): 2213-2215. Nov 1975

026343 385 AG8B
Isolation and identification of physcion, 4,5-dihydroxy-7-methoxy-2-methylanthraquinone, from the mycelium of Alternaria porri [Fungi]. Suemitsu, R; Iwai, J; Kawaguchi, K *Agric Biol Chem* 39 (11): 2249-2250. Nov 1975

026344 385 AG8B
Metabolism of phenylalanine in Aspergillus sojae [Fungi]. Yuasa, K; Ishizuka, K; Kaburaki, S; Sakasai, T *Agric Biol Chem* 39 (11): 2199-2206. Ref. Nov 1975

026345 385 AG8B
Purification, crystallization, and properties of an endo beta-1,3-glucanase from Rhizopus chinensis R-69 [Fungi]. Yamamoto, S; Nagaski, S *Agric Biol Chem* 39 (11): 2163-2169. Nov 1975

026346 385 AG8B
Purification of ribonuclease L from Aspergillus sp. [Fungi] by affinity chromatography. Horitsu, H; Nakashima, K; Tomoyeda, M *Agric Biol Chem* 39 (11): 2253-2254. Nov 1975

026347 385 AG8B
Secondary structure of nuclease P1 [from Penicillium citrinum, fungi]. Fujimoto, M; Kuninaka, A; Yoshino, H *Agric Biol Chem* 39 (11): 2145-2148. Nov 1975

026348 385 AG8B
Selective submerged productions of three types of glucoamylases by a Black-koji mold [Aspergillus awamori]. Hayashida, S *Agric Biol Chem* 39 (11): 2093-2099. Ref. Nov 1975

026349 385 AG8B
Synthesis of 10-hydroxy-cis-8-decene-4,6-diynoic and 9-hydroxy-cis-7-nonene-3,5-diynoic acids [from the fungus Fistulina pallida]. Kobayashi, A; Yamashita, K *Agric Biol Chem* 39 (11): 2247-2248. Nov 1975

026350 385 AG8B
The amino acid sequence of purothionin A, a lethal toxic protein for brewer's yeasts [Saccharomyces cerevisiae] from wheat [flour]. Ohtani, S; Okada, T; Kagamiyama, H; Yoshizumi, H *Agric Biol Chem* 39 (11): 2269-2270. Nov 1975

026351 385 AG8B
The structure of two new metabolites, emerin and emericellin, from Aspergillus nidulans [Fungi]. Ishida, M; Hamasaki, T; Hatsuda, Y *Agric Biol Chem* 39 (11): 2181-2184. Nov 1975

026352 385 AG8B
The synthesis of dimethyl esters of dl-O,O'-dimethylfukiic acid and dl-O,O'-dimethylepifukiic acid [Petasites japonicus]. Yoshihara, T; Ichihara, A; Sakamura, S *Agric Biol Chem* 38 (11): 2217-2221. Ref. Nov 1975

026353 107.6 SA13
Studies on fat-soluble substances of laver (Susabinori, Porphyra yezoensis) [Algae]. I. Identification of sulfolipid. (Jpn) Sakamoto, N; Enomoto, N *Agric Bull Saga Univ* 39: 75-81. Eng. Sum. Aug 1975

026354 4 AM34P
Seed treatment of Mojave Desert shrubs [to improve germination for revegetation planting]. Graves, W L; Kay, B L; Williams, W A *Agron J* 67 (6): 773-777. Ref. Nov/Dec 1975

026355 450 AM36
Growth regulation by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. Fisher, R W; Miller, J H *Am J Bot* 62 (10): 1104-1111. Ref. Nov/-Dec 1975

026356 450 AM36
The pollination ecology of Delphinium tricorne (Ranunculaceae). Macior, L W *Am J Bot* 62 (10): 1009-1016. Map. Ref. Nov/Dec 1975

026357 450 AM36
The pollinaton ecology of Pedicularis (Scrophulariaceae) in the Yukon Territory. Macior, L W *Am J Bot* 62 (10): 1065-1072. Ref. Nov/Dec 1975

026358 410 M58
Reproductive biology of Pulsatilla patens (Ranunculaceae). Bock, J H; Peterson, S J *Am Midl Nat* 94 (2): 476-478. Oct 1975

026359 410 M58
Size-biomass relationships of several Chihuahuan desert shrubs. Ludwig, J A; Reynolds, J F; Whitson, P D *Am Midl Nat* 94 (2): 451-461. Ref. Oct 1975

026360 410 M58
The effects of plant litter on germination in teasel, Dipsacus sylvestris Huds. Werner, P A *Am Midl Nat* 94 (2): 470-476. Oct 1975

026361 385 SO16
Chemistry of the Rubiaceae. 1. Quinone components of Putoria calabrica Pers. (Spa) Gonzalez, A G; Cardona, R J; Medina, J M; Rodriguez Luis, F *An Quim Soc Esp Fis Quim* 70 (11): 858-859. Eng. Sum. Nov 1974

026362 385 SO16
Components of Umbelliferae. VII. Two new coumarins of Heracleum granatnse Boiss. Elench. (Spa) Gonzalez, A G; Barroso, J T; Luis, J R; Rodriguez Luis, F *An Quim Soc Esp Fis Quim* 70 (11): 856-857. Eng. Sum. Nov 1974

026363 381 AN13
A sensitive method of glycogen determination in the presence of interfering substances utilizing the filter-paper technique [Aspergillus niger, fungi]. Solling, H; Esmann, V *Anal Biochem* 68 (2): 664-668. Ref. Oct 1975

026364 450 AN4
Biochemical transformation by fungi, and antifungal activity of 1,4-naphthoquinones, of biosynthetic intermediary products, and of chemically related compounds. (Ger) Steffen, K; Peschel, H *Angew Bot* 49 (3/4): 155-167. Eng. Sum. Nov 1975

026365 450 AN79
Dynamics of phytoplanktonic production in the oligotrophic lake Paajarvi, southern Finland [Algae]. Ilmavirta, V *Ann Bot Fenn* 12 (2): 45-54. Map. Ref. 1975

026366 450 AN79
Gleodinium montanum (Pyrrhophyceae, Algae) grown in darkness. Hosiaisluoma, V *Ann Bot Fenn* 12 (2): 55-56. 1975

026367 500 N484
Biosynthesis and metabolism of ascorbic acid in plants. Loewus, F A; Wagner, G; Yang, J C *Ann N Y Acad Sci* 258: 7-23. Ref. 1975

026368 451 B833
Uniformization of the calculation of the optimum in the nutrition interactions of plants. (Fre) Homes, M V; Schoor, G H van *Ann Physiol Veg Univ Brux* 19 (3): 65-133. 1974

026369 464.9 P562
Factors affecting the germination of chlamydospore of Fusarium oxysporum f. raphani [Fungi]. Okazaki, H *Ann Phytopathol Soc Jap* 41 (3): 314-320. Ref. July 1975

026370 14 F8499AN
Action of magnetic and electric fields on the growth and mutation rate of various microorganisms [Escherichia coli, bacteria, Penicillium chrysogenum, fungi]. (Fre) Riviere, J; Gary, C; Vergnaud, J C; Cabanes, J; Olime, *Ann Tech Agric* 24 (1): 75-82. Ref. Eng. Sum. 1975

026371 QH540.A55
Energetics of pollination [Food plants, insect pollinators]. Heinrich, B *Annu Rev Ecol Syst* 6: 139-170. Ref. 1975

026372 QK102.A65
Influence of nutrient additions and initial density of plants on production of water hyacinth Eichhornia crassipes. Boyd, C E; Scarsbrook, E *Aquat Bot* 1 (3): 253-261. Ref. Sept 1975

026373 QK102.A65
Response of the marine angiosperm Phyllospadix torreyi to certain environmental variables: a preliminary study [Salinity, light, temperature]. Drysdale, F R; Barbour, M G *Aquat Bot* 1 (2): 97-106. Ref. June 1975

026374 QK102.A65
Seasonal variation of turtle grass, Thalassia testudinum Konig, with reference to temperature and salinity effects. Zieman, J C *Aquat Bot* 1 (2): 107-123. Ref. June 1975

026375 442.8 AR26
Chemical and structural differences in mycelial and regeneration walls of Trichoderma viride [Fungi]. Benitez, T; Villa, T G; Garcia Acha, I *Arch Microbiol* 105 (3): 277-282. Ref. 1975

026376 442.8 AR26
Conditions for induced fusion of fungal protoplasts in polyethylene glycol solutions [Penicillium chrysogenum]. Anne, J; Peberdy, J F *Arch Microbiol* 105 (3): 201-205. Ref. 1975

026377 442.8 AR26
Cytochemical localization of catalase activity in methanol-grown Hansenula polymorpha [Yeasts]. Dijken, J P van; Veenhuis, M; Vermeulen, C A; Harder, W *Arch Microbiol* 105 (3): 261-267. Ref. 1975

026378 442.8 AR26
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. Win-Tin,; Dick, M W *Arch Microbiol* 105 (3): 283-293. Ref. 1975

026379 442.8 AR26
Metabolism of radioactive antheridiol by Achlya species [Water molds]. Musgrave, A; Nieuwenhuis, D *Arch Microbiol* 105 (3): 313-317. Ref. 1975

026380 442.8 AR26
Polybase induced lysis of yeast spheroplasts. A new gentle method for preparation of vacuoles [Candida utilis]. Durr, M; Boller, T; Wiemken, A *Arch Microbiol* 105 (3): 319-327. Ref. 1975

026381 442.8 AR26
Sulphate uptake and metabolism in the chrysomonad, Monochrysis lutheri [Yellow-green alga]. Deane, E M; O'Brien, R W *Arch Microbiol* 105 (3): 295-301. Ref. 1975

026382 442.8 AR26
Synthesis of beta-glucanase and other extracellular proteins by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. Villa, T G; Notario, V; Benitez, T; Villanueva, J R *Arch Microbiol* 105 (3): 335-337. 1975

026383 442.8 AR26
The isolation and characterization of perixosomes (microbodies) from baker's yeast, Saccharomyces cerevisiae. Parish, R W *Arch Microbiol* 105 (3): 187-192. Ref. 1975

026384 475 AU73
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[Weed, toxic to sheep]. Culvenor, C C J; Johns, S R; Smith, L W *Aust J Chem* 28 (10): 2319-2322. Oct 1975

026385 475 AU73
Isolation of ergosterol peroxide from Alternaria dianthicola [Fungi]. Brown, L C; Jacobs, J J *Aust J Chem* 28 (10): 2317-2318. Oct 1975

026386 QK710.A9
A class of lectins present in the tissues of seed plants [Leeks, rape, pigeon peas]. Jermyn, M A; Yeow, Y M *Aust J Plant Physiol* 2 (4): 501-531. Ref. Dec 1975

026387 QK710.A9
A comparison of potassium and chloride uptake by Tradescantia albiflora leaf cells at different KCl [potassium chloride] concentrations. Johansen, C; Luttge, U *Aust J Plant Physiol* 2 (4): 471-479. Ref. Dec 1975

026388 QK710.A9
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. Esashi, Y; Hata, Y; Katoh, H *Aust J Plant Physiol* 2 (4): 569-579. Ref. Dec 1975

026389 QK710.A9
Translocation of boron to plant fruits [Peanuts, subterranean clover]. Campbell, L C; Miller, M H; Loneragan, J F *Aust J Plant Physiol* 2 (4): 481-487. Ref. Dec 1975

026390 448.3 B13
Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and protein synthesis [Fungi]. Lovett, J S *Bacteriol Rev* 39 (4): 345-404. Ref. Dec 1975

026391 QH301.C8
Model for the positional differentiation of the cap in Acetabularia [mediterranea, Algae]. Rommelaere, J; Hiernaux, J *Bio Systems* 7 (2): 250-258. Oct 1975

026392 442.8 B5236
E.P.R. [Electron paramagnetic resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. Cammack, R *Biochem Biophys Res Commun* 67 (2): 544-549. Nov 17, 1975

026393 442.8 B5236
Evidence for three glutamic acid transporting systems with specialized physiological functions in Saccharomyces cerevisiae [Yeast]. Darte, C; Grenson, M *Biochem Biophys Res Commun* 67 (3): 1028-1033. Dec 1, 1975

026394 442.8 B5236
Fibrin membrane endowed with biological function. II. Chloroplast adenosine triphosphatase embedded in fibrin membrane. Inada, Y; Yamazaki, S; Miyake, S; Hirose, S; Okada, M; Mihama, H *Biochem Biophys Res Commun* 67 (4): 1275-1280. Ref. Dec 15, 1975

026395 442.8 B5236
The initial organic products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the blue-green alga Anabaena cylindrica. Thomas, J; Wolk, C P; Shaffer, P W; Austin, S M; Galonsky, A *Biochem Biophys Res Commun* 67 (2): 501-507. Ref. Nov 17, 1975

026396 442.8 B5236
The intrinsic zinc atoms of yeast alcohol dehydrogenase. Veillon, C; Sytkowski, A J *Biochem Biophys Res Commun* 67 (4): 1494-1500. Ref. Dec 15, 1975

026397 442.8 B5236
The stereospecificity of alcohol oxidases from Tanacetum vulgare [leaves] and [the yeast] Canadia boidnii. Cardemil, E *Biochem Biophys Res Commun* 67 (3): 1093-1099. Ref. Dec 1, 1975

026398 382 B52
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. Eakin, R T; Morgan, L O; Matwiyoff, N A *Biochem J* 152 (3): 529-535. Ref. Dec 1975

026399 382 B52
The measurement of protein turnover by density labelling [Lemna minor]. Boudet, A; Humphrey, T J; Davies, D D *Biochem J* 152 (2): 409-416. Ref. Nov 1975

026400 QK710.F5
The regulation of riboflavin synthetase synthesis by iron in flavinogenic yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. (Ger) Shavlovsky, G M; Logvinenko, E M; Trach, W M; Senjuta, E S *Biochem Physiol Pflanz BPP* 167 (5): 379-387. Ref. Eng. Sum. 1975

026401 381 B523
Catalysis by serine proteases and their zymogens. A study of acyl intermediates by circular dichroism [Aspergillus oryzae, fungi]. Kerr, M A; Walsh, K A; Neurath, H *Biochemistry (Easton)* 14 (23): 5088-5094. Ref. Nov 18, 1975

026402 381 B523
Chemical synthesis of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and optical specificity and its neurotoxic action[Lathyrus sativus]. Rao, S L N *Biochemistry (Easton)* 14 (23): 5218-5221. Ref. Nov 18, 1975

026403 381 B523
Isolation and characterization of Cyanogen bromide fragments and a glycopeptide from the Dolichos biflorus lectin. Carter, W G; Etzler, M E *Biochemistry (Easton)* 14 (23): 5118-5122. Ref. Nov 18, 1975

026404 381 B523
Modification of the automated sequence determination as applied to the sequence determination of the [blue-green alga] Spirulina maxima ferredoxin. Tanaka, M; Haniu, M; Yasunobu, K T; Rao, K K; Hall, D O *Biochemistry (Easton)* 14 (25): 5535-5540. Ref. Dec 16, 1975

026405 381 B523
Subunit interactions in yeast [Saccharomyces cerevisiae] glyceraldehyde-3-phosphate dehydrogenase. Mockrin, S C; Byers, L D; Koshland, D E Jr *Biochemistry (Easton)* 14 (25): 5428-5437. Ref. Dec 16, 1975

026406 381 B522
Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the water-splitting activity in photosynthesis [Spinach, wheat]. Ichikawa, T; Inoue, Y; Shibata, K *Biochim Biophys Acta* 408 (3): 228-239. Ref. Dec 11, 1975

026407 381 B522
Isolation and characterization of a mutant of Neurospora crassa deficient in general amino acid permease activity [Fungi]. Rao, E Y T; Rao, T K; Debusk, A G *Biochim Biophys Acta* 413 (1): 45-51. Ref. 1975

026408 381 B522
New chlorophyll-b forms in a chlorophyll-detergent photosynthetic model system [Algae]. Lehoczki, E *Biochim Biophys Acta* 408 (3): 223-227. Ref. Dec 11, 1975

026409 381 B522
On the nature of the iron sulfur cluster in a deuterated algal ferredoxin [Synechococcus lividus]. Anderson, R E; Dunham, W R; Sands, R H; Bearden, A J; Crespi, H L *Biochim Biophys Acta* 408 (3): 306-318. Ref. Dec 11, 1975

026410 381 B522
Pallidin. Purification and characterization of a carbohydrate-binding protein from POlysphondylium pallidum implicated in intercellular adhesion [Fungi]. Simpson, D L; Rosen, S D; Barondes, S H *Biochim Biophys Acta* 412 (1): 109-119. Ref. Nov 18, 1975

026411 381 B522
Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. A study by proton magnetic resonance [Yeasts]. Akasaka, K; Aoshima, H; Hatano, H; Sato, S; Murao, S *Biochim Biophys Acta* 412 (1): 120-126. Ref. Nov 18, 1975

026412 442.8 B523
Studies on the properties and mode of action of a protease-inhibitor produced during development of Agrostemma githago embryos. (Ger) Hecker, M *Biol Zentralbl* 94 (5): 569-581. Ref. Eng. Sum. Sept/Oct 1975

026413 442.8 B523
Tryptophan metabolism of Phycomyces blakesleeanus. I. Elucidation of the pathway of indoleacetic acid biosynthesis [Fungi]. (Ger) Burstell, H; Hilgenberg, W *Biol Zentralbl* 94 (4): 389-400. Ref. Eng. Sum. July/Aug 1975

026414 442.8 B523
Tryptophan metabolism of Phycomyces blakesleeanus [Fungi]. II. The biosynthesis of nicotinic acid. (Ger) Burstell, H; Hilgenberg, W *Biol Zentralbl* 94 (3): 401-407. Ref. Eng. Sum. July/Aug 1975

026415 QH301.B55
A method for systematic screening of insecticide substances in fungi of the class Fungi imperfecti. Dobias, J; Nemec, P *Biologia, Ser C Vesobecna Biol* 30 (9): 727-732. 1975

026416 QH301.B55
Screening of new biogenic antimetabolites using prokaryotic and eukaryotic microbial models [Includes Neurospora crassa, fungi. Betina, V; Betinova, M; Nemec, P; Popracova, G *Biologia, Ser C Vesobecna Biol* 30 (9): 659-668. Ref. 1975

026417 QH301.B55
Secondary metabolites of Penicillium stipitatum Thom. [Fungi]. I. Substances of tropolone character. (Slo) Fuska, J; Slavikova, E; Adamkova, M *Biologia, Ser C Vesobecna Biol* 30 (9): 669-676. Eng. Sum. 1975

026418 381 B524
Crystal structure of pachyman triacetate. A preliminary report [Tree root fungus Poria cocos]. Bluhm, T L; Sarko, A *Biopolymers* 14 (12): 2639-2643. Ref. Dec 1975

026419 500 AM322A
Phycobilisomes: light-harvesting pigment complexes [Chlorophyll, photosynthetesis]. Gantt, E *BioScience* 25 (12): 781-788. Ref. Dec 1975

026420 450 EN3B
Chemical races of Dimelaena oreina (Ach.) Norm. With special regard to behavior in Central Europe (Lichenes, Physciaceae). (Ger) Leuckert, C; Sudaszewski, U; Hertel, H *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 238-255. Maps. Eng. Sum. 1975

026421 450 EN3B
Close relationships in sheath function during inflorescence and flowering [Peperomia caperata, Piper brevipedunculatum, Leucaena latisiliqua]. (Ger) Endress, P K *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 1-44. Ref. Eng. Sum. 1975

026422 450 EN3B
Experimental induction of "leafless nodes" by phenylboronic acid treatment. A contribution to the definition of the node. (Ger) Haccius, B *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 90-106. Ref. Eng. Sum. 1975

026423 450 EN3B
Flowering of Euphorbia flugens Karw. Ex Klotzsch and its variable sizes. (Ger) Muller-Doblies, U; Albert, G; Muller-Doblies, D *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 290-323. Ref. 1975

026424 450 EN3B
Form changing effect of colchicine in Xanthium [albinum]. (Ger) Hardtl, H *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 95 (2): 208-214. Eng. Sum. 1975

026425 450 B6582
Effects of temperature and salinity variations on photosynthesis of some littoral seaweeds of the North Adriatic Sea [Algae]. Zavodnik, N *Bot Mar* 18 (4): 245-250. Ref. Dec 1975

026426 410 B79C
Germination-regulating mechanisms in aquatic angiosperms. II. Aeschynomene aspera, L. Datta, S C; Sinha-Roy, S P *Broteria, Ser Cienc Nat* 21 (1/2): 81-91. 1975

026427 450 B84
Effects of light intensity and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. Kelly, B B; Becker, V E *Bryologist* 78 (3): 350-355. Ref. Fall 1975

026428 450 B84
Lophozia incisa: a curious reaction to desiccation [Hepaticae]. Steere, W C *Bryologist* 78 (3): 368-369. Fall 1975

026429 450 B84
The lichenic acids in Sterocaulon virgatum [Lichenes]. (Fre) Ramaut, J L; Corvisier, M *Bryologist* 78 (3): 365-366. Eng. Sum. Fall 1975

026430 QD1.A543
The structure of saponins from rhizomes of Dioscorea deltoidea Wall. Sviridov, A F; Paseshnichenko, V A; Kadentsev, V I; Chizhov, O S *Bull Acad Sci USSR, Div Chem Sci* 24 (1): 80-84. Ref. Jan 1975

026431 505 L992B
Influence of some physical factors on the fructification of Basidiomycetes higher fungi (Bibliographic study). (Fre) Eynard, M *Bull Mens Soc Linn Lyon* 44 (9): 330-336. Ref. Eng. Sum. Nov 1975

026432 442.9 M862
Primary production and substrate selective properties of selected maine salt marsh plants. Reimold, R J; Gallagher, J L *Bull Mt Desert Isl Biol Lab* 14: 107-108. 1974

026433 425.9 J273B
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. (Jpn) Murakami, T *Bull Seric Exp Stn (Suginami Ku Tokyo)* 26 (4): 279-307. Ref. Eng. Sum. Apr 1975

026434 451 F84B
Anatomical repercussions of light intensity on Virginia creepers Parthenocissus tricuspidata. (Fre) Monange, Y; Vignes, D *Bull Soc Bot Fr* 122 (5/6): 195-201. Ref. Eng. Sum. 1975

026435 505 P21 (3)
Adenosines 5' phosphates (ATP, ADP, AMP) in phytoplanktonic algae. Role in the indirect measurement of the biomass. (Fre) Romano, J C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1027-1030. Ref. Eng. Sum. Oct 6, 1975

026436 505 P21 (3)
Flavonoids of Sarothamnus patens (L.) Webb, nature and repartition. (Fre) Brum-Bousquet, M; Paris, R R *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 703-706. Eng. Sum. Sept 15, 1975

026437 505 P21 (3)
Investigations on flavonoid glycosides in a variety of botanical groups: luteolin 7-glucoside and diosmin in Lonicera (Caprifoliaceae). (Fre) Plouvier, V *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 751-754. Ref. Eng. Sum. Sept 15, 1975

026438 505 P21 (3)
On a lectin from Vicia graminea seeds. (Fre) Prigent, M J; Bourrillon, R *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1195-1198. Ref. Eng. Sum. Oct 20, 1975

026439 470 C16C
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the plasmodesmata [Algae]. Fischer, R A; MacAlister, T J *Can J Bot* 53 (18): 1988-1993. Ref. Sept 15, 1975

026440 470 C16C
Carbonic anhydrase levels in blue-green algae [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. Ingle, R K; Colman, B *Can J Bot* 53 (20): 2385-2387. Ref. Oct 15, 1975

026441 470 C16C
Carrageenans of gametangial and tetrasporangial stages of Iridaea cordata (Gigartinaceae) [Algae]. McCandless, E L; Craigie, J S; Hansen, J E *Can J Bot* 53 (20): 2315-2318. Ref. Oct 15, 1975

026442 470 C16C
Effect of ammonium on growth of plant cells (Ipomoea sp.) in suspension cultures. Rose, D; Martin, S M *Can J Bot* 53 (17): 1942-1949. Ref. Sept 1, 1975

026443 470 C16C
Fluctuations of phytoplankton biomass and its composition in a subarctic lake during summer. Sheath, R G; Munawar, M; Hellebust, J A *Can J Bot* 53 (19): 2240-2246. Ref. Oct 1, 1975

026444 470 C16C
Fluctuations of phytoplankton biomass and its composition in a subarctic lake during summer. Sheath, R G; Munawar, M; Hellebust, J A *Can J Bot* 53 (19): 2240-2246. Ref. Oct 1, 1975

026445 470 C16C
Fungal self-parasitism in Saprolegnia megasperma. Nolan, R A *Can J Bot* 53 (19): 2110-2114. Ref. Oct 1, 1975

026446 470 C16C
Inhibition of chlorophyll synthesis in Lemna minor by nalidixic acid. Frick, H; Jones, R F *Can J Bot* 53 (20): 2319-2324. Ref. Oct 15, 1975

026447 470 C16C
Inhibition of phosphoenolpyruvate carboxylase from C4 [carbon] plants by malate and aspartate [Digitaria sanguinalis]. Huber, S C; Edwards, G E *Can J Bot* 53 (17): 1925-1933. Ref. Sept 1, 1975

026448 470 C16C
Phytochrome control of the lag phase of chlorophyll accumulation in Lemna minor. Frick, H *Can J Bot* 53 (21): 2405-2410. Ref. Nov 1, 1975

026449 470 C16C
P-type sieve-element plastids and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella). Behnke, H D; Mabry, T J; Eifert, I J; Pop, L *Can J Bot* 53 (19): 2103-2109. Ref. Oct 1, 1975

026450 470 C16C
Surface-active spore slimes [Fungi]. Bandoni, R J *Can J Bot* 53 (21): 2543-2546. Ref. Nov 1, 1975

026451 470 C16C
The effect of heat shock on differentiation of germinating conidia of Trichoderma viride [Fungi]. Spiegel, S; Henis, Y; Chet, I; Messer, G *Can J Bot* 53 (20): 2274-2281. Ref. Oct 15, 1975

026452 470 C16C
Translocation of uranin in the symplasm of staminal hairs of Tradescantia [virginica]. Tyree, M T; Tammes, P M L *Can J Bot* 53 (18): 2038-2046. Ref. Sept 15, 1975

026453 448.8 C162
Effect on microorganisms of volatile compounds released from germinating seeds. Schenck, S; Stotzky, G *Can J Microbiol* 21 (10): 1622-1634. Ref. Oct 1975

026454 448.8 C162
Glycogen, a physiological determinant of yeast [Saccharomyces carlsbergensis] flocculation? Patel, G B; Ingledew, W M *Can J Microbiol* 21 (10): 1614-1621. Ref. Oct 1975

026455 448.8 C162
Physiological differences among isolates of Phytophthora cinnamomi [Fungi]. Kelley, W D *Can J Microbiol* 21 (10): 1548-1552. Ref. Oct 1975

026456 448.8 C162
Specific inhibition of sclerotium formation by 2-mercaptoethanol and related sulfhydryl compounds in Sclerotium rolfsii[Fungi]. Christias, C *Can J Microbiol* 21 (10): 1541-1547. Ref. Oct 1975

026457 448.8 C162
Temperature and pH [hydrogen-ion concentration] optima for 21 species of thermophilic and thermotolerant fungi. Rosenberg, S L *Can J Microbiol* 21 (10): 1535-1540. Ref. Oct 1975

026458 448.8 C162
The function of slime from Physarum flavicomum [Fungi] in the control of cell division. Henney, H R Jr; Asgari, M *Can J Microbiol* 21 (11): 1866-1876. Ref. Nov 1975

026459 448.8 C162
The influence of acridine dyes and caffeine on recovery from ultraviolet damage in Eudorina elegans [Algae]. Kemp, C L; Malloy, K M *Can J Microbiol* 21 (11): 1849-1854. Ref. Nov 1975

026460 448.8 C162
The relationship of acid-soluble glycogen to yeast [Saccharomyces carlsbergensis]. Patel, G B; Ingledew, W M *Can J Microbiol* 21 (10): 1608-1613. Ref. Oct 1975

026461 448.8 C162
Three antimicrobial metabolites from Aspergillus caespitosus [Fungi]. Mizuba, S; Lee, K; Jiu, J *Can J Microbiol* 21 (11): 1781-1787. Nov 1975

026462 384 B45
Naturally occurring terpene derivatives. LIII. On new sesquiterpenes from Polypteris texana (DC) A. Gray. (Ger) Bohlmann, F; Zdero, C *Chem Ber* 108 (11): 3543-3549. Eng. Sum. 1975

026463 382 C4223
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. Seo, S; Tomita, Y; Tori, K *Chem Commun* 23: 954-955. Ref. Dec 3, 1975

026464 382 C4223
X-ray crystal structure analysis of papyriogenin A [Tetrapanax papyferum]. Amagaya, S; Takai, M; Ogihara, Y; Iitaka, Y *Chem Commun* 24: 991-992. Dec 17, 1975

026465 QD241.K453
A new flavone glycoside from Campanula patula. Teslov, L S; Blinova, K F *Chem Nat Compd* 10 (1): 93. Jan/Feb 1974 (Transl. 1975)

026466 QD241.K453
Acacetin and its glycosides in plants of the genus Linaria. Smirnova, L P; Boryaev, K I; Ban'kovskii, A I *Chem Nat Compd* 10 (1): 100. Jan/Feb 1974 (Transl. 1975)

026467 QD241.K453
Acorus calamus— a new source of C-diglycosides. El'yashevich, E G; Drozd, G A; Koreshchuk, K E; Bezuglaya, N I; Manych, V I; Shestak, L I *Chem Nat Compd* 10 (1): 96-97. Ref. Jan/Feb 1974 (Transl. 1975)

026468 QD241.K453
Carbohydrates and alcohols of Andrachne rotundifolia. Zufarov, F N; Nazirov, Z N *Chem Nat Compd* 10 (1): 74. Jan/Feb 1974 (Transl. 1975)

026469 QD241.K453
C-glycosides of species of Dipsacaceae. II. [Knautia montana]. Zemtsova, G N; Bandyukova, V A *Chem Nat Compd* 10 (1): 118. Jan/Feb 1974 (Transl. 1975)

026470 QD241.K453
Conformation of the configurations of badrakemin and gummosin [Ferula pseudoreoselinum, Ferula samarcandica, Ferula badrakema]. Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 12-14. Jan/Feb 1974 (Transl. 1975)

026471 QD241.K453
Coumarin from Artemisia obtusiloba and Artemisia martjanovii. Usynina, R V; Dudko, V V; Berezovskaya, T P; Yanchilenko, T V *Chem Nat Compd* 8 (5): 613. Sept/Oct 1972 (Trans 1974)

026472 QD241.K453
Coumarins of the genera Asperula and Galinum. Borisov, M I *Chem Nat Compd* 10 (1): 78. Jan/Feb 1974 (Transl. 1975)

026473 QD241.K453
Darvasoline— a new alkaloid of Leontice darvasica. Zunnunzhanov, A; Iskandarov, S; Yunusov, S YU *Chem Nat Compd* 10 (1): 131. Jan/Feb 1974 (Transl. 1975)

026474 QD241.K453
D-mannitol from Peucedanum and Delphinium. Dekanosidze, G E; Arazashvili, A I; Turabelisdze, D G; Kemertelidze, E P *Chem Nat Compd* 10 (1): 73. Jan/Feb 1974 (Transl. 1975)

026475 QD241.K453
Flavonoids of Cirsium heterophyllum. Ogurtsova, L N; Syuzeva, Z F *Chem Nat Compd* 10 (1): 90. Jan/Feb 1974 (Transl. 1975)

026476 QD241.K453
Flavonoids of Glycyrrhiza glabra. Kattaev, N Sh; Nikonov, G K *Chem Nat Compd* 10 (1): 94-95. Jan/Feb 1974 (Transl. 1975)

026477 QD241.K453
Flavonoids of Senecio subdentatus. II. Chumbalov, T K; Fadeeva, O V; Nikishchenko, T K *Chem Nat Compd* 10 (1): 89. Jan/Feb 1974 (Transl. 1975)

026478 QD241.K453
Flavosorbin— a new glycoside from Sorbaria sorbifolia. Zaitsev, V G; Makarova, G V; Komissarenko, N F *Chem Nat Compd* 10 (1): 92. Jan/Feb 1974 (Transl. 1975)

026479 QD241.K453
Glycosidic alkaloids of Solanum persicum. Novruzov, E N; Aslanov, S M *Chem Nat Compd* 10 (1): 120. Jan/Feb 1974 (Transl. 1975)

026480 QD241.K453
Haplamine— a new alkaloid from Haplophyllum perforatum. Akhmedzhanova, V I; Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (1): 121-122. Jan/Feb 1974 (Transl. 1975)

026481 QD241.K453
Hydrolyzable tannides of Potentilla [chrysantha]. I. Chumbalov, T K; Bikbulatova, T N; Arestova, G S; Chanysheva, I S *Chem Nat Compd* 10 (1): 145. Jan/Feb 1974 (Transl. 1975)

026482 QD241.K453
Investigation of the carbohydrates of Arum korolkovii. Khodzhaeva, M A; Ismailov, Z F *Chem Nat Compd* 10 (1): 75-76. Jan/Feb 1974 (Transl. 1975)

026483 QD241.K453
Investigation of the alkaloids of Buxus sempervirens. Khodzhaev, B U; Shakirov, R; Yunusov, S YU *Chem Nat Compd* 10 (1): 129-130. Ref. Jan/Feb 1974 (Transl. 1975)

026484 QD241.K453
Investigations of the essential oil of Hyssopus zeravshanicus. Zotov, E P; Goryaev, M I; Sharipova, F S; Khazanovich, R L; Vandysheva, V I *Chem Nat Compd* 10 (1): 110-111. Jan/Feb 1974 (Transl. 1975)

026485 QD241.K453
Isogosferol—a new furocoumarin form the roots of Prangos lophoptera. Abyshev, A Z *Chem Nat Compd* 10 (1): 79-80. Jan/Feb 1974 (Transl. 1975)

026486 QD241.K453
Isolation of alkaloids form Ungernia severtzovii by the ion-exchange method. Sadikov, T; Zatorskaya, I N; Shakirov, T T *Chem Nat Compd* 10 (1): 123. Jan/Feb 1974 (Transl. 1975)

026487 QD241.K453
Isolation of berberine [Berberis oblonga]. Tadzhibaev, M M; Zatorskaya, I N; Lutfullin, K L; Shakirov, T T *Chem Nat Compd* 10 (1): 42-43. Jan/Feb 1974 (Transl. 1975)

026488 QD241.K453
Isolation of foetidine [Thalictrum foetidum]. Alimov, R I; Zatorskaya, I N; Shakirov, T T *Chem Nat Compd* 10 (1): 124-125. Jan/Feb 1974 (Transl. 1975)

026489 QD241.K453
Mass-spectrometric study of the coumarins mogoltin, mogoltavin, and mogoltavinin [Peucedanum mogoltavicum]. Zakharov, P I; Terent'ev, P B; Nikonov, G K; Ban'kovskii, A I *Chem Nat Compd* 10 (1): 15-19. Jan/Feb 1974 (Transl. 1975)

026490 QD241.K453
Narcissin from Astragalus dasyanthus. Khoron'ko, A T *Chem Nat Compd* 10 (1): 88. Jan/Feb 1974 (Transl. 1975)

026491 QD241.K453
Phenols from the essential oils of some species of Artemisia. Usynina, R V; Dudko, V V; Berezovskaya, T P; Gel'vikh, M V *Chem Nat Compd* 10 (1): 108-109. Jan/Feb 1974 (Transl. 1975)

026492 QD241.K453
Plumbagin from Ceratostigma willmottianum. Shcherbanovskii, L R; Luks, YU A *Chem Nat Compd* 10 (1): 77. Jan/Feb 1974 (Transl. 1975)

026493 QD241.K453
Quantitative determination of vincanidine in the roots of Vinca erecta. Mirkina, R A; Shakirov, T T *Chem Nat Compd* 10 (1): 44-45. Jan/Feb 1974 (Transl. 1975)

026494 QD241.K453
Quantitative determination of the furocoumarins in the preparation "psoberan" by gas-liquid chromatography. Eidler, YA I; Genkina, G L; Shakirov, T T *Chem Nat Compd* 10 (1): 85. Jan/Feb 1974 (Transl. 1975)

026495 QD241.K453
Robinin from Oxytropis varlacovii. Be tkhi Tkhuan,; Blinova, K F *Chem Nat Compd* 10 (1): 91. Jan/Feb 1974 (Transl. 1975)

026496 QD241.K453
Rutin and other polyphenols of the herbage of Coriandrum sativum. Sergeeva, N V *Chem Nat Compd* 10 (1): 98. Jan/Feb 1974 (Transl. 1975)

026497 QD241.K453
Spectrophotometric method of analyzing [Digitalis] cardenolides of the strophanthidin group with 2,2',4,4'-tetranitrobiphenyl. Genkina, G L; Eidler, YA I *Chem Nat Compd* 10 (1): 29-30. Jan/Feb 1974 (Transl. 1975)

026498 QD241.K453
Steroid and triterpene glycosides of Crataegus pentagyna. Iskenderov, G B; Isaev, M I *Chem Nat Compd* 10 (1): 113. Jan/Feb 1974 (Transl. 1975)

026499 QD241.K453
Structure and configuration of new coumarins of the roots of Ferula mogoltavica. Khasanov, T Kh; Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 8-11. Jan/Feb 1974 (Transl. 1975)

026500 QD241.K453
Structure and configuration of the coumarins mogoltadone and mogoltadin [Ferula mogoltavica]. Khasanov, T Kh; Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 20-23. Jan/Feb 1974 (Transl. 1975)

026501 QD241.K453
Structure of foliminine [Haplophyllum foliosum]. Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (1): 46-48. Jan/Feb 1974 (Transl. 1975)

026502 QD241.K453
Structure of the coumarin reoselin [Ferula pseudooreoselinum]. Kamilov, Kh M; Nikonov, G K *Chem Nat Compd* 10 (1): 82-83. Jan/Feb 1974 (Transl. 1975)

026503 QD241.K453
Structure of veralodisine [Veratrum lobelianum]. Shakirov, R; Khashimov, A M; Samikov, K; Yunusov, S YU *Chem Nat Compd* 10 (1): 38-44. Ref. Jan/Feb 1974 (Transl. 1975)

026504 QD241.K453
Study of oxoaphyllidine [Anabasis aphylla]. Ishbaev, A I; Aslanov, Kh A; Sadykov, A S; Guzenko, T M *Chem Nat Compd* 10 (1): 128. Jan/Feb 1974 (Transl. 1975)

026505 QD241.K453
Study of the essential oil of Ajania fastigiata. Sharipova, F S; Chumbalov, T K; El'chibekova, L A; Zhubaeva, R A *Chem Nat Compd* 10 (1): 104-105. Jan/Feb 1974 (Transl. 1975)

026506 QD241.K453
Study of the oils of plants of the family Umbelliferae. III. Stepanenko, G A; Umarov, A U; Markman, A L *Chem Nat Compd* 10 (1): 31-33. Jan/Feb 1974 (Transl. 1975)

026507 QD241.K453
Triterpene glycosides of Acanthophyllum paniculata. II. Structure of paniculatoside C. Putieva, Zh M; Kondratenko, E S; Abubakirov, N K *Chem Nat Compd* 10 (1): 114-115. Jan/Feb 1974 (Transl. 1975)

026508 QD241.K453
Triterpene glycosides of Gleditschia triacanthos. VI. The structure of triacanthoside F. Badalbaeva, T A; Kandratenko, E S; Abubakirov, N K *Chem Nat Compd* 10 (1): 117. Jan/Feb 1974 (Transl. 1975)

026509 QD241.K453
Triterpenoids of the roots of Glycyrrhiza uralensis. Kir'yalov, N P; Bogatkina, V F; Barkaeva, E YU *Chem Nat Compd* 10 (1): 112. Jan/Feb 1974 (Transl. 1975)

026510 QD241.K453
Umbelliferone from tea leaves. Mikaberidze, K G; Moniava, I I *Chem Nat Compd* 10 (1): 81. Jan/Feb 1974 (Transl. 1975)

026511 RM1.C5
A new spirostanol, 19-hydroxyyonogenin, from the aerial parts of Dioscorea tokoro Makino. Miyahara, K; Kanezaki, E; Kawasaki, T *Chem Pharm Bull* 23 (11): 2550-2555. Ref. Nov 1975

026512 RM1.C5
A novel pseudotwistane, pulchellon from Gaillardia pulchella. Inayama, S; Kawamata, T; Ohkura, T; Itai, A; Iitaka, Y *Chem Pharm Bull* 23 (11): 2998-3007. Ref. Nov 1975

026513 RM1.C5
Peptides in higher plants. I. The conformation of frangulanine [Hovenia dulcis]. Takai, M; Ogihara, Y; Iitaka, Y; Shibata, S *Chem Pharm Bull* 23 (11): 2556-2559. Ref. Nov 1975

026514 RM1.C5
Structure of gardneramine and 18-demethylgardneramine [Gardneria]. Sakai, S; Aimi, N; Kubo, A; Kitagawa, M; Hanasawa, M; Katano, K; Yamaguchi, K; Haginiwa, J *Chem Pharm Bull* 23 (11): 2805-2817. Ref. Nov 1975

026515 RM1.C5
Studies on ketene and its derivatives. LXXV. Reaction of diketene with N-benzylacetimidate and lactim ethers to give 1,6-naphthyridine derivatives [Sophora alopecuroides]. Kato, T; Sakamoto, T *Chem Pharm Bull* 23 (11): 2629-2633. Nov 1975

026516 RM1.C5
Studies on lupin alkaloids. VI. Isolation and structure of (+)-isomatrine [Sophora flavescens]. Ueno, A; Morinaga, K; Fukushima, S; Iitaka, Y; Koiso, Y; Okuda, S *Chem Pharm Bull* 23 (11): 2560-2566. Nov 1975

026517 RM1.C5
Studies on tetrahydroisoquinolines. X. A stereospecific synthesis of (plus/minus)-cataline [Glaucium flavum vestitum]. Hoshino, O; Hara, H; Ogawa, M; Umezawa, B *Chem Pharm Bull* 23 (11): 2578-2583. Ref. Nov 1975

026518 RM1.C5
Studies on the saponins of the root of Platycodon grandiflorum A. De Candolle. I. Isolation and the structure of platycodin-D. Tada, A; Kaneiwa, Y; Shoji, J; Shibata, S *Chem Pharm Bull* 23 (11): 2965-2972. Ref. Nov 1975

026519 RM1.C5
Syntheses of hexahydroindole-2,6-diones and 15,16-dimethoxyerythrinane-3,8-dione [Erythrina]. Oh-ishi, T; Iijima, I; Itoh, N; Sugasawa, S *Chem Pharm Bull* 23 (11): 2573-2577. Nov 1975

026520 RM1.C5
Synthesis of 4-pyridoxyacetic acid via a pyridine N-oxide derivative [Plant regulators]. Hertog, H J den; Maas, J *Chem Pharm Bull* 23 (11): 3008-3010. Nov 1975

026521 RM1.C5
Synthetic studies on Lythraceae alkaloids. IV. Total synthesis of (plus/minus) methyldecinine. Hanaoka, M; Sassa, H; Shimezawa, C; Arata, Y *Chem Pharm Bull* 23 (11): 2478-2484. Ref. Nov 1975

026522 RM1.C5
The chinone and pulp relation in higher plants. IV. The biosynthesis of catalpalacton and catalponol in wood of Catalpa ovata. (Ger) Inouye, H; Ueda, S; Inoue, K; Hayashi, T; Hibi, T *Chem Pharm Bull* 23 (11): 2523-2533. Ref. Nov 1975

026523 RM1.C5
The synthesis of 3-spirooxindole derivatives. VII. Total synthesis of alkaloids (plus/minus)-rhynchophylline and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. Ban, Y; Seto, M; Oishi, T *Chem Pharm Bull* 23 (11): 2605-2613. Ref. Nov 1975

026524 450 C432
The study on the fusion of plant protoplasts. (Chi) *Chih-wu Hsueh-pao* 17 (3): 247-249. Ref. Sept 1975

026525 Q33.C5
Chiropterophily in Lafoensia pacari St. Hil., (Lythraceae) in the Serra do Cipo, Minas Gerais. (Por) Sazima, M; Sazima, I *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 405-416. Ref. Eng. Sum. Apr 1975

026526 Q33.C5
Relationship among macronutrients, boron and zinc contents of coffee leaves and yield. (Por) Hiroce, R; Bataglia, O C; Moraes, F R P de; Gallo, J R *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 390-399. Ref. Eng. Sum. Apr 1975

026527 385 C68
Alkaloids from Buxus sempervirens var. Bullata Kirchn. Voticky, Z; Bauerova, O; Paulik, V *Collect Czech Chem Commun* 40 (10): 3055-3060. Ref. Oct 1975

026528 385 C68
Alkaloids from the leaves of Bocconia frutescens L. Slavik, J; Slavikova, L *Collect Czech Chem Commun* 40 (10): 3206-3210. Ref. Oct 1975

026529 385 C68
Rice and pea alcohol dehydrogenase. Leblova, S; Hlochova, J *Collect Czech Chem Commun* 40 (10): 3220-3229. Ref. Oct 1975

026530 475 SCI23
In vitro effect of acidity levels on xylem differentiation in Plumeria [rubra]. Datta, S K; Chakrabarti, K; Datta, P C *Curr Sci* 44 (22): 814-816. Ref. Nov 20, 1975

026531 475 SCI23
Initiation of primary thickening meristem in Dioscorea glabra Roxb. Sharma, O P *Curr Sci* 44 (17): 626-627. Sept 5, 1975

026532 475 SCI23
Root dormancy in Polyalthia longifolia Benth. And Hf. Pillai, A; Kavathekar, K Y *Curr Sci* 44 (22): 821-822. Ref. Nov 20, 1975

475 SCI23
Stimulation of gas production from cowdung by algal [Oscillatoria chalybea] supplementation. Venkataraman, G S; Kaushik, B D *Curr Sci* 44 (22): 807-808. Nov 20, 1975

026533 TP415.D4
Factors affecting the activity and the durability of fixed-glucoamylase [Rhizopus niveus] on polyacrylonitrile carrier resin by amidination reaction. (Jpn) Handa, T; Goto, S; Osawa, T; Ayukawa, Y *Denpun Kagaku (J Jap Soc Starch Sci)* 22 (3): 72-77. Eng. Sum. Sept 1975

026534 442.8 D49
Cell contact mediated differentiation in Dictyostelium [discoideum]. Yu, N Y; Gregg, J H *Dev Biol* 47 (2): 310-318. Ref. Dec 1975

026535 442.8 D49
Morphogenesis in the slime mold Dictyostelium discoideum. 1. The accumulation and erasure of "morphogenetic information. Soll, D R; Waddell, D R *Dev Biol* 47 (2): 292-302. Ref. Dec 1975

026536 442.8 D49
Morphogenesis in Selaginella [willdenovii]. III. Meristem determination and cell differentiation. Wochok, Z S; Sussex, I M *Dev Biol* 47 (2): 376-383. Ref. Dec 1975

026537 448.3 D49
The two-faced microbiologists: contributions of pure and applied microbiology to good research [Fungi, biosynthesis]. Bu'Lock, J D *Dev Ind Microbiol* 16: 11-19. Ref. 1975

026538 511 AK193D
Nutritive characteristics of some species of Potentilla L. (Rus) Chevtaeva, V A; Ikramova, M M *Dokl Akad Nauk Tadzh SSR* 18 (1): 60-62. 1975

026539 511 P444AEBP
Four-step mechanism of water oxidation in photosynthesis [Algae, Chlorella pyrenoidosa]. Asanov, A N; Sevast'yanov, V I; Komissarov, G G *Dokl Biophys* 217/219: 71-73. July/Dec 1974 (Transl 1975)

026540 511 P444AEBP
Location of energy discharge in mitotic cycle of Panax ginsing C. A. Mey. Zholkevich, V N; Butenko, R G; Bychkova, G S; Peisakhzon, B I *Dokl Biophys* 217/219: 56-57. July/Dec 1974 (Transl 1975)

026541 511 P444AE
Action spectra of photosynthesis and hydrogen evolution by bacteria, algae, and higher plants. Efimtsev, E I; Boichenko, V A; Litvin, F F *Dokl Bot Sci* 220/222: 17-19. Jan/-June 1975

026542 511 P444AE
Photoinduced hydrogen evolution by bacteria, algae, and higher plants. Efimtsev, E I; Boichenko, V A; Litvin, F F *Dokl Bot Sci* 220/222: 6-8. Jan/June 1975

026543 511 P444AE
Specific photosynthesis of Chlorella [pyrenoidosa] in different regions of the spectrum [Algae]. Brandt, A B; Finakov, G Z *Dokl Bot Sci* 220/222: 23-25. Jan/June 1975

TD1.E2
Assessing treatment process efficiency [in wastewater] with the algal assay test [Selenastrum capricornutum]. Thomas, R E; Smith, R L *Ecol Res Ser* 660/3-75-034: 244-248. June 1975

026544 TD1.E2
Effect of nitrogen and phosphorus on the growth of selenastrum capricornutum [Eutrophication]. Shiroyama, T; Miller, W E; Greene, J C *Ecol Res Ser* 660/3-75-034: 132-142. June 1975

026545 TD1.E2
Great Lakes nutrient assessment [Algal assay, Cladophora, Selenastrum capricornutum]. Thomas, N A; Hartwell, K; Miller, W E *Ecol Res Ser* 660/3-75-034: 226-243. Map. June 1975

026546 TD1.E2
Growth requirements of Enteromorpha compressa and Codium fragile [Algae, water pollution]. Steele, R L *Ecol Res Ser* 660/3-75-034: 213-235. Ref. June 1975

TD1.E2
Heteroinhibition as a factor in Anabaena flos-aquae waterbloom production. Williams, L R *Ecol Res Ser* 660/3-75-034: 215-317. Ref. June 1975

026547 TD1.E2
The effect of transport on biostimulation of algal growth [Chlorella pyrenoidosa, Anacystis nidulans]. Falco, J W; Kerr, P C; Barron, M B; Brockway, D L *Ecol Res Ser* 660/3-75-034: 4-27. Ref. June 1975

026548 TD1.E2
Utilization of energy by primary producers [Phytoplankton] in four ponds in northwestern Florida. Walsh, G E *Ecol Res Ser* 660/3-75-034: 249-274. Ref. June 1975

026549 TD1.E58
Recent chemical and biological studies on natural [plant] products at the Central Drug Research Institute, Lucknow. Dhar, M L *Environ Qual Saf* 5: 106-114. Ref. 1975

026550 QP501.E8
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. Streamer, M; Eriksson, K E; Pettersson, B *Eur J Biochem* 59 (2): 607-613. Ref. Nov 1975

026551 QP501.E8
Immunochemical studies on tyrosinase induction in Neurospora [crassa, fungi]. Katan, T; Arnon, R; Galun, E *Eur J Biochem* 59 (2): 387-394. Ref. Nov 1975

026552 QP501.E8
Isolation and properties of an arginine-binding protein from Saccharomyces cerevisiae [Yeasts]. Opekarova, M; Kotyk, A; Horak, J; Kholodenko, V P *Eur J Biochem* 59 (2): 373-376. Ref. Nov 1975

026553 QP501.E8
Limited proteolysis of yeast phosphofructokinase by subtilisin: Alterations in enzyme activity, subunit composition, and hydrodynamic properties. Taucher, M; Kopperschlager, G; Hofmann, E *Eur J Biochem* 59 (2): 319-325. Ref. Nov 1975

026554 QP501.E8
Microbody of methanol-grown yeasts [Saccharomyces cerevisiae]. Localization of catalase and flavin-dependent alcohol oxidase in the isolated microbody. Fukui, S; Kawamoto, S; Yasuhara, S; Tanaka, A; Osumi, M; Imaizumi, F *Eur J Biochem* 59 (2): 561-566. Ref. Nov 1975

026555 QP501.E8
Temperature-sensitive mutants of the yeast [Saccharomyces cerevisiae] fatty-acid-synthetase complex. Knobling, A; Schweizer, E *Eur J Biochem* 59 (2): 415-421. Ref. Nov 1975

026556 QP501.E8
The effect of 8-hydroxyquinoline on enzyme synthesis in the fission yeast Schizosaccharomyces pombe. Creanor, J; May, J W; Mitchison, J M *Eur J Biochem* 60 (2): 487-493. Ref. Dec 1975

026557 QP501.E8
Yeast hexokinase A: succinylation and properties of the active subunit. Rossi, A; Menezes, L C; Pudles, J *Eur J Biochem* 59 (2): 423-432. Ref. Nov 1975

026558 442.8 EX7
Chromosomal proteins of Phycomyces blakesleeanus [Fungi]. Cohen, R J; Stein, G S *Exp Cell Res* 96 (2): 247-254. Ref. Dec 1975

026559 442.8 EX7
Dictyostelium [discoideum, cellular slime mold] aggregate-less mutant plasma membranes. Gregg, J H; Yu, N Y *Exp Cell Res* 96 (2): 283-286. Ref. Dec 1975

026560 475 EX7
Isolation and culture of mesophyll protoplasts of Hyoscyamus niger L. var. annuus Sims. Kohlenbach, H W; Bohnke, E *Experientia* 31 (11): 1281-1283. Nov 15, 1975

026561 475 EX7
Neoechinulin D, a new isoprenylated dehydrotryptophyl metabolite from Aspergillus amstelodami [Fungi]. Dossena, A; Marchelli, R; Pochini, A *Experientia* 31 (11): 1249-1251. Ref. Nov 15, 1975

026562 475 EX7
Trigilletimine: a new bisbenzylisoquinoline alkaloid from Triclisia species. Dwuma-Badu, D; Ayim, J S K; Tackie, A N; el Sohly, M A; Knapp, J E; Slatkin, D J; Schiff, P L Jr *Experientia* 31 (11): 1251-1252. Nov 15, 1975

026563 475 EX7
Zonaroic acid from the brown seaweed Dictyopteris undulata (=zonarioides) [Algae]. Cimino, G; De Stefano, S; Fenical, W; Minale, L; Sims, J J *Experientia* 31 (11): 1250-1251. Nov 15, 1975

026564 442.8 F27
Biology in the north of Sweden [Calypso bulbosa, Bombus pascuorum sparreanus, Bombus agrorum, pollination]. (Swe) Wollin, H *Fauna Flora* 70 (3): 89-98. Ref. Eng. Sum. June 1975

026565 450 F58
Transpiration method for determining heat resistance of plants. (Rus) Babushkin, L N *Fiziol Rast (Mosk)* 22 (3): 647-653. Ref. Eng. Sum. May/June 1975

026566 384 Z38
Glucosidases specific for the cyanogenic glucoside triglochinin. Purification and characterization of beta-glucosidases from Alocasia macrorrhiza Schott. (Ger) Hosel, W; Nahrstedt, A *Hoppe Seylers Z Physiol Chem* 356 (8): 1265-1275. Ref. Aug 1975

410 H992
Vegetation changes in a shallow African lake: response of the vegetation to a recent dry period. Howard-Williams, C *Hydrobiologia* 47 (3/4): 381-397. Map. Ref. Dec 1, 1975

026567 QK898.F5F550
Biflavonoids. Geiger, H; Quinn, C *In Flavonoids* Pt. 2: 692-742. Ref. 1975

026568 QK898.F5F550
Biosynthesis of flavonoids. Hahlbrock, K; Grisebach, H *In Flavonoids* Pt. 2: 866-915. Ref. 1975

026569 QK898.F5F550
C-glycosylflavonoids. Chopin, J; Bouillant, M L *In Flavonoids* Pt. 2: 632-691. Ref. 1975

026570 QK898.F5F550
Chalcones, aurones and dihydrochalcones. Bohm, B A *In Flavonoids* Pt. 1: 442-504. Ref. 1975

026571 QK898.F5F550
Flavanones and dihydroflavonols. Bohm, B A *In Flavonoids* Pt. 1: 560-631. Ref. 1975

026572 QK898.F5F550
Flavone and flavonol glycosides. Harborne, J B; Williams, C A *In Flavonoids* Pt. 1: 376-441. Ref. 1975

026573 QK898.F5F550
Flavones. Venkataraman, K *In Flavonoids* Pt. 1: 267-295. Ref. 1975

026574 QK898.F5F550
Flavonols. Gottlieb, O R *In Flavonoids* Pt. 1: 296-375. Ref. 1975

026575 QK898.F5F550
Isolation techniques for flavonoids. Markham, K R *In Flavonoids* Pt. 1: 1-44. Ref. 1975

026576 QK898.F5F550
Mass spectrometry of flavonoids. Mabry, T J; Markham, K R *In Flavonoids* Pt. 1: 78-126. Ref. 1975

026577 QK898.F5F550
Metabolism of flavonoids [in higher plants and microorganisms]. Barz, W; Hosel, W *In Flavonoids* Pt. 2: 916-969. Ref. 1975

026578 QK898.F5F550
Natural proanthocyanidins. Haslam, E *In Flavonoids* Pt. 1: 505-559. Ref. 1975

026579 QK898.F5F550
Neoflavanoids. Donnelly, D M X *In Flavonoids* Pt. 2: 801-865. Ref. 1975

026580 QK898.F5F550
Physiology and functions of flavonoids. McClure, J W *In Flavonoids* Pt. 2: 970-1055. Ref. 1975

026581 QK898.F5F550
Synthesis of flavonoids. Wagner, H; Farkas, L *In Flavonoids* Pt. 1: 127-213. Ref. 1975

026582 QK898.F5F550
The anthocyanins. Timberlake, C F; Bridle, P *In Flavonoids* Pt. 1: 214-266. Ref. 1975

026583 QK898.F5F550
The isoflavonoids. Wong, E *In Flavonoids* Pt. 2: 743-800. Ref. 1975

026584 QK898.F5F550
Ultraviolet-visible and proton magnetic resonance spectroscopy of flavonoids. Markham, K R; Mabry, T J *In Flavonoids* Pt. 1: 45-77. Ref. 1975

026585 SB110.G8
The effect of humidity on crop production. O'Leary, J W *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 261-280. Ref. 1975

026586 QH541.5.E8P49
Dinoflagellate phototaxis: pigment system and circadian rhythm as related to diurnal migration [Algae]. Forward, R B Jr *In Physiological Ecology of Estuarine Organisms* P. 367-381. Ref. 1975

026587 QH541.5.E8P49
Halophytes: adaptive mechanisms [Salinity]. Queen, W H *In Physiological Ecology of Estuarine Organisms* P. 205-211. Ref. 1975

026588 QR1.I53 1974
Actions of microalgae in anaerobic environments. Nakayama, O *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 507-521. 1974 (Pub. 1975)

026589 QR1.I53 1974
An anti-leukemic substance from a Taiwan medicinal plant [Drymaria cordata]: Cordacin. Lin, Y C; Yang, T I; Yang, C S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.3): 444-451. 1974 (Pub. 1975)

026590 QR1.I53 1974
Development of intracellular oil globules and a membrane structure surrounding the core lipids in the yeast Lipomyces starkeyi. Uzuka, Y; Tanaka, K; Kanamori, T; Koga, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 74-79. Ref. 1974 (Pub. 1975)

026591 QR1.I53 1974
Effects of thiamine and pyridoxine on the respiratory activities of Saccharomyces carlsbergensis [Yeasts]. Kamihara, T; Nakamura, I; Nishikawa, Y; Fukui, S; Nagai, J; Katsuki, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 69-73. 1974 (Pub. 1975)

026592 QR1.I53 1974
Mode of action of trichothecene mycotoxin [produced by various fungi]. Ueno, Y; Matsumoto, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.4): 314-323. 1974 (Pub. 1975)

026593 QR1.I53 1974
Naturally occurring derivatives of zearalenone [Fusarium, fungi]. Mirocha, C J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 4): 362-372. Ref. 1974 (Pub. 1975)

026594 QR1.I53 1974
Spore germination of fungi. Hess, W M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 83-91. Ref. 1974 (Pub. 1975)

026595 QR1.I53 1974
Studies on bredinin II: [isolated from the fungus, Dupenicillium brefeldianum] immunological experiments. Tsujino, M; Yoshizawa, M; Sakaguchi, K; Mizuno, K; Hayano, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 441-443. 1974 (Pub. 1975)

026596 QR1.I53 1974
The development of agricltural antibiotics in Japan [Plant regulators, herbicides, insecticides, fungicides]. Misato, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 589-597. Ref. 1974 (Pub. 1975)

026597 QD181.S4H6
Biological significance [of scandium]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 513-534. Ref. 1975

026598 QD181.S4H6
[Scandium] occurrence in living systems [Plants, animals]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 497-512. Ref. 1975

026599 QP501.I48
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. Rathnam, C K M; Das, V S R *Indian J Biochem* 12 (2): 175-178. Ref. June 1975

026600 QP501.I48
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. Rathnam, C K M; Das, V S R *Indian J Biochem* 12 (2): 175-178. Ref. June 1975

026601 QP501.I48
Factors influencing the biosynthesis of aflatoxins [Aspergillus parasiticus, Fungi]. Gupta, S P; Prasanna, H R; Viswanathan, L; Venkitasubramanian, T A *Indian J Biochem* 12 (2): 179-181. June 1975

026602 QP501.I48
Glucoamylases of Aspergillus niger [Fungi] NRRL 330. Venkataramu, K; Manjunath, P; Rao, M R R *Indian J Biochem* 12 (2): 107-114. Ref. June 1975

026603 QP501.I48
Glucoamylases of Aspergillus niger NRRL 330 [Fungi]. Venkataramu, K; Manjunath, P; Raghavendra Rao, M R *Indian J Biochem* 12 (2): 107-114. Ref. June 1975

026604 QP501.I48
Laminarinases of Neurospora crassa [fungi]. II. Isolation, purification and characterization. Sukumaran, C P; Mahadevan, P R *Indian J Biochem* 12 (2): 120-124. Ref. June 1975

026605 QP501.I48
Laminarinases of Neurospora crassa [Fungi]. II. Isolation, purification and characterization. Sukumaran, C P; Mahadevan, P R *Indian J Biochem* 12 (2): 120-124. Ref. June 1975

026606 QP501.I48
Threonine-sensitive homoserine dehydrogenase of Serratia marcescens [Bacteria]. Shailaja, M S; Raghavendra Rao, M R *Indian J Biochem* 12 (2): 115-119. Ref. June 1975

026607 396.8 IN23
Effect of age of plant on the quality of essential oil of peppermint (Mentha piperita Linn). Duhan, S P S; Garg, S N; Roy, S K *Indian J Pharm* 37 (2): 41-42. Mar/Apr 1975

026608 396.8 IN23
Genus Crotalaria. XIX. Preparation of local anaesthetic agents [Heliotropium]. Suri, O P; Sawhney, R S; Atal, C K *Indian J Pharm* 37 (2): 36-38. Mar/Apr 1975

026609 396.8 IN23
Structure of a new coumarin from Murraya paniculata (Jack). Khosa, R L *Indian J Pharm* 37 (2): 43-44. Mar/Apr 1975

026610 QP1.I54
Screening of indigenous plants for anthelmintic action against human Ascaris lumbricoides. II. [Plant extracts]. Raj, R K *Indian J Physiol Pharmacol* 19 (1): 47-49. Jan/Mar 1975

026611 QR1.I57
Antigenic independence of some microbial urate oxidases [Fungi, bacteria, yeasts]. Fitzpatrick, D A; McGeeney, K F *Infect Immun* 12 (6): 1237-1241. Ref. Dec 1975

026612 QD415.A1I5
Regulatory properties of reduced nicotinamide-adenine dinucleotide phosphate on a glutamate dehydrogenase from Neurospora crassa [Fungi]. Gore, M G; Greenwood, C *Int J Biochem* 6 (11): 829-833. Ref. Nov 1975

026613 444.8 IN8
Combined heat-irradiation effect on deoxyribonucleic acid of Pennicillium expansum LK. ex. Thom [Fungi]. Roy, M K; Mehta, S L *Int J Radiat Biol Relat Stud Phys Chem Med* 28 (3): 291-296. Ref. Sept 1975

026614 442.9 AK124
Development of pollen grain and the formation of spermocells in pollen tubes of Delphinium camptocarpum Fisch. et Mey. (Rus) Tatintseva, S S *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 9-14. Eng. Sum. 1975

026615 442.9 AK124
Germination biology of Vigna unguiculata (L.) Walp. And Lablab purpurens (L.) Sweet. seeds under conditions of Turkmenistan. (Rus) Nikitin, V V; Kazantseva, V N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 3-9. Eng. Sum. 1975

026616 442.9 AK124
Root systems of some species of annual cereal grains from Turkmenistan [in relation to soil moisture]. (Rus) Chopanov, P; Seifulin, E M *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 30-36. Eng. Sum. 1975

026617 442.9 AK124
The role of subsidiary sperm cells in embryo sacs of Angiospermae for investigating the process of double fertilization. (Rus) Beliaeva, N S *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 13-19. Ref. Eng. Sum. 1975

026618 330.9 AK12
Glycosides of Vaccaria segetalis: structure of vacsegoside C. (Rus) Baeva, R T; Karryev, M O; Abubakirov, N K *Izv Akad Nauk Turkm SSR, Ser Fiz Tekh Khim Geol Nauk* 4: 83-85. 1975

026619 381 J8223
Indole-3-acetic acid: Mass spectra and chromatographic properties of amino acid conjugates [Plant growth regulators]. Feung, C S; Hamilton, R H; Mumma, R O *J Agric Food Chem* 23 (6): 1120-1124. Ref. Nov/Dec 1975

026620 381 AM33J
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different spectral forms of chlorophyll a [Ailanthus altissima]. Chow, H C; Serlin, R; Strouse, C E *J Am Chem Soc* 97 (25): 7230-7237. Ref. Dec 10, 1975

026621 381 AM33J
The crystal and molecular structure of ethyl chlorophyllide b dihydrate at -153 degrees [Ailanthus altissima]. Serlin, R; Chow, H C; Strouse, C E *J Am Chem Soc* 97 (25): 7237-7242. Ref. Dec 10, 1975

026622 381 AS7
Collaborative study of a potentiometric method for the determination of fluoride in vegetation. Jacobson, J S; Heller, L I *J Assoc Off Anal Chem* 58 (6): 1129-1134. Ref. Nov 1975

026623 381 AS7
Spectrophotometric assay of salsolidine hydrochloride [Salsola richteri]. Karawya, M S; Diab, A M *J Assoc Off Anal Chem* 58 (6): 1169-1170. Nov 1975

026624 448.3 J82
Formation and cleavage of 2-keto-3-deoxygluconate by 2-keto3-deoxygluconate aldolase of Aspergillus niger [Fungi]. Allam, A M; Hassan, M M; Elzainy, T A *J Bacteriol* 124 (3): 1128-1131. Ref. Dec 1975

026625 448.3 J82
Pyridine nucleotide-linked oxidation of methanol in methanol-assimilating yeasts [Pichia pinus, Candida boidianii]. Mehta, R J *J Bacteriol* 124 (3): 1165-1167. Dec 1975

026626 448.3 J82
Timing and function of chitin synthesis in yeast [Saccharomyces cerevisiae]. Cabib, E; Bowers, B *J Bacteriol* 124 (3): 1586-1593. Ref. Dec 1975

026627 381 J824
Effectiveness of various unsaturated fatty acids in supporting growth and respiration in Saccharomyces cerevisiae [Yeasts]. Walenga, R W; Lands, W E M *J Biol Chem* 250 (23): 9121-9129. Ref. Dec 10, 1975

026628 381 J824
Kinetic studies of leucyl transfer RNA synthetase from Bakers' yeast: Order of addition of substrates and release of products. Lin, C S; Irwin, R; Chirikjian, J G *J Biol Chem* 250 (24): 9299-9303. Ref. Dec 25, 1975

026629 381 J824
Presence of displacement loops in the covalently closed circular chloroplast deoxyribonucleic acid from higher plants [Peas, maize]. Kolodner, R; Tewari, K K *J Biol Chem* 250 (22): 8840-8847. Ref. Nov 25, 1975

026630 381 J824
Requirements for unsaturated fatty acids for the induction of respiration in Saccharomyces cerevisiae [Yeasts]. Walenga, R W; Lands, W E M *J Biol Chem* 250 (23): 9130-9136. Ref. Dec 10, 1975

026631 381 J824
Specificity of the S1 nuclease from Aspergillus oryzae [Fungi]. Wiegand, R C; Godson, G N; Radding, C M *J Biol Chem* 250 (22): 8848-8855. Ref. Nov 25, 1975

026632 442.8 J828
A chlorophyll-protein complex lacking in photosystem I mutants of Chlamydomonas reinhardtii [Algae]. Chua, N H; Matlin, K; Bennoun, P *J Cell Biol* 67 (2): 361-377. Ref. Nov 1975

026633 QD241.C5
Absolute configuration of ancistrocladisine and ancistrocladidine [Ancistrocladus heyneanus]. Govindachari, T R; Parthasarathy, P C; Rajagopalan, T G; Desai, H K; Ramachandran, K S; Lee, E *J Chem Soc, Perkin Trans I* 21: 2134-2136. 1975

026634 QD241.C5
Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel total synthesis of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. Kametani, T; Suzuki, T; Ichikawa, Y; Fukumoto, K *J Chem Soc, Perkin Trans I* 21: 2102-2104. Ref. 1975

026635 QD241.C5
Withanolides Q and R, two new 23-hydroxysteroidal lactones [Withania somnifera]. Kirson, I; Cohen, A; Abraham, A *J Chem Soc, Perkin Trans I* 21: 2136-2137. 1975

026636 QD1.C52
X-ray determination of the structure of podolide, an Antileukemic norditerpene dilactone [Podocarpus gracilior]. Bryan, R F; Smith, P M *J Chem Soc, Perkin Trans II* 14: 1482-1486. Ref. 1975

026637 475 J824
Behaviour of 7-methyljuglone and two related naphthoquinones on silica gel exposed to air [Ebenaceae]. Vijver, L M van der; Gerritsma, K W *J Chromatogr* 114 (2): 443-450. Ref. Nov 26, 1975

026638 SB270.J6
Crop physiological aspects of coffee bean yield: a review. Cannell, M G R *J Coffee Res* 5 (1/2): 7-20. Ref. Jan/Apr 1975

026639 421 J822
Identification of a fruit fly [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. Fletcher, B S; Bateman, M A; Hart, N K; Lamberton, J A *J Econ Entomol* 68 (6): 815-816. Dec 15, 1975

026640 QH91.A1J6
Alkaline and acid phosphatases of the marine diatoms Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) Cleve [Algae]. Moller, M; Myklestad, S; Haug, A *J Exp Mar Biol Ecol* 19 (3): 217-226. Ref. Oct 1975

026641 390.08 H12
Mechanisms of pellet formation of Aspergillus niger [fungi]with an additive. Elmayergi, H *J Ferment Technol* 53 (10): 722-729. Ref. Oct 1975

026642 390.08 H12
Serological specificities of sake [rice beer] yeasts [Saccharomyces cerevisiae]. (Jpn) Kodama, K; Kozaki, M; Kitahara, K *J Ferment Technol* 53 (11): 763-769. Ref. Eng. Sum. Nov 1975

026643 390.08 H12
Thermal death of fungal conidia [Aspergillus niger] in liquid paraffin. Takahashi, J; Harie, S; Komiya, K *J Ferment Technol* 53 (10): 713-721. Ref. Oct 1975

026644 389.8 F7322
Thermal injury and recovery of Saccharomyces cerevisiae [Yeast]. Stevenson, K E; Richards, L J *J Food Sci* 41 (1): 136-137. Jan/Feb 1976

026645 448.3 J823
Amide utilization in Aspergillus nidulans [Fungi]: evidence for a third amidase enzyme. Hynes, M J *J Gen Microbiol* 91 (1): 99-109. Ref. Nov 1975

026646 448.3 J823
Chemical composition of the hyphal wall of a toxigenic fungus, Penicillium rubrum stoll. Unger, P D; Hayes, A W *J Gen Microbiol* 91 (1): 201-206. Ref. Nov 1975

026647 448.3 J823
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial protein synthesis by erythromycin and chloramphenicol. Stone, A B; Wilkie, D *J Gen Microbiol* 91 (1): 150-156. Ref. Nov 1975

026648 448.3 J823
The orientation of certain root-nodule bacteria at interfaces, including legume root-hair surfaces. Marshall, K C; Cruickshank, R H; Bushby, H V A *J Gen Microbiol* 91 (1): 198-200. Nov 1975

026649 QR180.J62
The occurrence of blood group H-like activity in seed extracts of higher plants. Yamamoto, S *J Immunogenet* 2 (4): 197-204. Ref. Aug 1975

026650 442.8 J8224
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. Prakash, L *J Mol Biol* 98 (4): 781-795. Ref. Nov 15, 1975

026651 QH7.J6
Pollination of Hibbertia hypericoides (Dilleniaceae) and its evolutionary significance. Keighery, G J *J Nat Hist* 9 (6): 681-684. Ref. Nov/Dec 1975

026652 381 J827
Oxymercuration-demercuration and hydroboration-oxidation of endo-tricyclo[5.2.2.02,6]undeca-3,8-diene. Stereospecific oxymercuration leading to the 4-exo-hydroxy derivative [Plant-hormonal properties]. Takaishi, N; Fujikura, Y; Inamoto, Y *J Org Chem* 40 (25): 3767-3772. Ref. Dec 12, 1975

026653 381 J827
Structures of some Knightia deplanchei alkaloids. Lounasmaa, M; Wovkulich, P M; Wenkert, E *J Org Chem* 40 (25): 3694-3697. Ref. Dec 12, 1975

026654 396.9 P49
Biological active principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs contained saponin [isolated from Aesculus turbinata]. (Jpn) Yamahara, J; Shintani, Y; Konoshima, T; Sawada, T; Fujimura, H *J Pharm Soc Jap* 95 (10): 1179-1182. Eng. Sum. Oct 1975

026655 396.9 P49
Studies of plants containing indole alkaloids. 5. Identification of tetrahydrosecamine in Amsonia elliptica Roem. et Schult. and the synthesis of secamine and presecamine. (Jpn) Sakai, S; Aimi, N; Kato, K; Ido, H; Masuda, K *J Pharm Soc Jap* 95 (10): 1152-1160. Ref. Eng. Sum. Oct 1975

026656 396.9 P49
Studies on the constituents of Lyonia ovalifolia Drude var. Eliptica Hand.-Mazz. XX. Structure of triterpenoid glucoside, lyofolic acid. 4. Correlation of protolyofoligenic. (Jpn) Sakakibara, J; Hotta, Y; Yasue, M *J Pharm Soc Jap* 95 (9): 1085-1091. Ref. Eng. Sum. Sept 1975

026657 396.9 P49
Studies on the constituents of flowers. IV. On the components of flower of Viburnum ditatatum Thunb. (Jpn) Kurihara, T; Kikuchi, M *J Pharm Soc Jap* 95 (9): 1098-1102. Eng. Sum. Sept 1975

026658 396.9 P49
Studies on the alkaloids of papaveraceous plants. XXII. Separation of the alkaloids by droplet countercurrent chromatography. 2. The quaternary bases of Corydalis pallida. (Jpn) Tani, C; Nagakura, N; Hattori, S *J Pharm Soc Jap* 95 (9): 1103-1107. Ref. Eng. Sum. Sept 1975

026659 396.9 P49
Studies on the constituents of Lindera erythrocarpa Makino. I. Flavonoids from the fruits. (Jpn) Liu, S Y; Ogihara, Y *J Pharm Soc Jap* 95 (9): 1114-1118. Ref. Eng. Sum. Sept 1975

026660 396.9 P49
Studies on the constituents of Cimicifuga spp. IX. Structure of cimigol. (Jpn) Kusano, G; Takemoto, T *J Pharm Soc Jap* 95 (10): 1133-1137. Ref. Eng. Sum. Oct 1975

026661 439.8 J82
High speed cinemicrography of the direct photophobic response of Euglena [gracilis, algae] and the mechanism of negative phototaxis. Diehn, B; Fonseca, J R; Jahn, T L *J Protozool* 22 (4): 492-494. Nov 1975

026662 382 SO12
Antioxidants and pigments of Aspergillus niger. Zaika, L L; Smith, J L *J Sci Food Agric* 26 (9): 1357-1369. Ref. Sept 1975

026663 QP901.T3
Studies on the quality of Chinese herb "Zexie" and the alisols content of Alisma orientale. I. (Jpn) Fujioka, S; Nagao, Y; Imai, S *J Takeda Res Lab* 34 (3): 351-357. Sept 1975

026664 QP751.L5
Stereospecific analysis of some Cruciferae species. Ohlson, R; Podlaha, O; Toregard, B *Lipids* 10 (12): 732-735. Ref. Dec 1975

026665 QP751.L5
Synthesis and analysis of phytyl and phytenoyl wax esters [Hygrohypnum luridum, Paraleucobryum longifolium, Phleum pratense]. Gellerman, J L; Anderson, W H; Schlenk, H *Lipids* 10 (11): 656-661. Ref. Nov 1975

026666 QP751.L5
Unsaturated C18 alpha-hydroxy acids in Salvia nilotica. Bohannon, M B; Kleiman, R *Lipids* 10 (11): 703-706. Ref. Nov 1975

026667 QH91.A1M35
Nitrogen utilization during spring blooms of marine phytoplankton in Bedford Basin, Nova Scotia, Canada. Conover, S A M *Mar Biol* 32 (3): 247-261. Ref. 1975

026668 QH91.A1M35
Partitioning of nitrogen and carbon in cultures of the marine diatom Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. Conover, S A M *Mar Biol* 32 (3): 231-246. Ref. 1975

026669 QH91.A1M35
Seasonal studies on the relative importance of different size fractions of phytoplankton in Narragansett Bay (USA). Durbin, E G; Krawiec, R W; Smayda, T J *Mar Biol* 32 (3): 271-287. Ref. 1975

026670 QR100.M5
The microbiology and biogeochemistry of the Dead Sea [Halobacterium, Sarcina, Dunaliella, Algae]. Nissenbaum, A *Microb Ecol* 2 (2): 139-161. Ref. 1975

026671 QR1.M54
Biosynthesis of chitin by particulate fractions from Cunninghamella elegans [Fungi]. Moore, P M; Peberdy, J F *Microbios* 12 (47/48): 29-39. Ref. 1975

026672 QK600.M5
An enzyme with proteolytic action obtained from the fungus Flammulina velutipes (Fr.) Sing. (Rus) Gavrilova, V P; Falina, N N *Mikol Fitopatol* 9 (5): 431-433. 1975

026673 QK600.M5
Dynamics of proteolytic activity in cultures of higher fungi. (Rus) Fedorova, L N; Shivrina, A N *Mikol Fitopatol* 9 (4): 307-310. 1975

026674 QK600.M5
Fatty acid composition of lipids common to aquatic Hyphomycetes [Fungi] in conditions of artificial culture. (Rus) Dudka, I A; Parshikov, V N *Mikol Fitopatol* 9 (4): 298-303. Ref. 1975

026675 QK600.M5
Germination of zygospores of the fungus Zygorhynchus japonicus Kominami. (Rus) Khoriak, L A *Mikol Fitopatol* 9 (5): 440-442. Ref. 1975

026676 QK600.M5
Methods of maintaining fungi that utilize carbohydrates [for laboratory studies]. (Rus) Shmotina, G E *Mikol Fitopatol* 9 (4): 349-350. 1975

026677 QK600.M5
Production of organic acids by fungi isolated from objects damaged by biocorrosion. (Rus) Zaikina, N A; Duganova, N V *Mikol Fitopatol* 9 (4): 303-307. 1975

026678 QK600.M5
The effect of the environment on the formation of fruit bodies of the species of the genus Chaetomium Fr. [Saprophytic fungi]. (Rus) Cherepanova, N P *Mikol Fitopatol* 9 (5): 391-396. Ref. 1975

026679 QK600.M5
The effect of the nutrient medium on the formation and chemical composition of a polysaccharide produced by Aureobasidium pullulans (de By.) Arn. [Fungi]. (Rus) Elinov, N P; Gobashi, A L; Zaikina, N A *Mikol Fitopatol* 9 (5): 397-400. 1975

026680 QK600.M5
The effect of various sources of carbon and nitrogen in an artificial nutrient medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. (Rus) Chuvashova, K K; Pankratov, A IA *Mikol Fitopatol* 9 (4): 342-346. 1975

026681 QH201.M5
Agropyron junceum and Ammophila arenaria: two pioneer plants in silt and sand. (Ger) Meer, P van der *Mikrokosmos* 64 (10): 319-321. Oct 1975

026682 QH201.M5
Growing plant cell and tissue culture. (Ger) Scherwenke, I *Mikrokosmos* 64 (10): 305-308. Ref. Oct 1975

026683 QH201.M5
Pandorina morum (mulberry green alga) in the process of division. (Ger) Schwander, A *Mikrokosmos* 64 (10): 309-310. Oct 1975

026684 QD501.M63
Variation in average unit chain length of glycogen in relation to developmental stage in Blastocladiella emersonii [Fungi]. Norrman, J; Wober, G; Cantino, E C *Mol Cell Biochem* 9 (3): 141-148. Ref. Dec 30, 1975

026685 QL1.M6
The measurement of phototactic activity in Euglena gracilisKlebs [Algae]. Checcucci, A; Favati, L; Grassi, S; Piaggesi, T *Monit Zool Ital* (New Ser.) 9 (2): 83-98. Ref. 1975

026686 QH301.M6
Changes in the growth rate of the concomitant microflora in algal cultures under illumination and in darkness [Chlorella pyrenoidosa]. Maksimova, I V; Kytova, P A; Pimenova, M N *Moscow Univ Biol Sci Bull* 29 (5/6): 53-56. 1974

026687 QH301.M6
Modifying action of thymidine on ultraviolet-irradiated Anascystis nidulans cells [Algae]. Shestakov, S V; Karbysheva, E A; Bozhukova, E E *Moscow Univ Biol Sci Bull* 29 (5/6): 50-52. 1974

026688 514 N482
New Zealand phytochemical survey. 11. The essential oil of Araucaria heterophylla (syn. Araucaria excelsa). Bartley, J P; Briggs, L H; Kingsford, M; Southward, C R; White, G W *N Z J Sci* 18 (3): 333-336. Ref. Sep 1975

026689 472 N21
Cyclic AMP [adenosine monophosphate]-induced changes in protein synthesis in a cellular slime mold, Polysphondylium pallidum. Francis, D *Nature* 258 (5537): 763-765. Ref. Dec 25, 1975

026690 472 N21
Manganese and photosynthetic oxygen evolution by algae [Anabaena cylindrica, Chlorella vulgaris]. Tel-Or, E; Stewart, W D P *Nature* 258 (5537): 715-716. Dec 25, 1975

026691 472 N21
Summer phytoplankton blooms and red tides along tidal fronts in the approaches to the English channel. Pingree, R D; Pugh, P R; Holligan, P M; Forster, G R *Nature* 258 (5537): 672-677. Map. Ref. Dec 25, 1975

026692 QH5.N3
Influence of aluminum ions on drying of cut plants. (Ger) Schnabl, H *Naturwiss Rundsch* 28 (11): 404-406. Nov 1975

026693 QH5.N3
Photosynthesis in the global view. (Ger) Boger, P *Naturwiss Rundsch* 28 (12): 429-435. Ref. Dec 1975

026694 QL750.O3
The effect of seawater on the metabolism of some seashore and inland mosses [Grimmia maritima, Grimmia pulvinata, Tortella flavovirens, Ulota phyllantha]. Bates, J W; Brown, D H *Oecologia* 21 (4): 335-344. Ref. 1975

026695 450 OS7
Seed development of Abelmoschus esculentus (Malvaceae). Chandra, S; Bhatnagar, S P *Osterreich Bot Z* 123 (4): 255-262. Ref. 1975

026696 157.8 R29
Biological availability of sediment phosphorus to microorganisms [Algae, aquatic weeds, eutrophication]. Sagher, A; Harris, R F; Armstrong, D E *PB Natl Tech Inf Serv Commer* 240822, 56 P. Ref. 1975

026697 382 P56
Flavin as an active component of the photoreversible pigment system of the green alga Protosiphon botryoides Klebs. Thomas, J P; O'Kelley, J C; Hardman, J K; Aldridge, E F *Photochem Photobiol* 22 (3/4): 135-138. Ref. Sept/Oct 1975

026698 450 P5623
Effects of some inhibitors on respiration and germination of Bidens radiata achenes. (Fre) Rollin, P *Physiol Veg* 13 (3): 369-382. Ref. Eng. Sum. July/Sept 1975

026699 450 P5623
Foliar structure and intraplastidial starch accumulation in a Crassulaceae Bryophyllum diagremontianum Berger. (Fre) Sarda, C; Prioul, J L; Moyse, A *Physiol Veg* 13 (3): 563-577. Ref. Eng. Sum. July/Sept 1975

026700 450 P5623
Interrelations between sulphur dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. (Fre) Bonte, J; Louguet, P *Physiol Veg* 13 (3): 527-537. Ref. Eng. Sum. July/Sept 1975

026701 450 P5623
Kinetin effects on carotenoids and chlorophylls of Spirodela polyrrhiza (L.) Schleiden under light and darkness. (Fre) Adabra-Michanol, Y; Moneger, R; Francke, B *Physiol Veg* 13 (3): 619-635. Ref. Eng. Sum. July/Sept 1975

026702 450 P5623
Mitochondrial ultrastructure and respiration in the spadix of Arum maculatum L. during development. (Fre) Signol, M; Lance, C *Physiol Veg* 13 (3): 549-562. Ref. Eng. Sum. July/Sept 1975

026703 450 P5623
Multiphase kinetics of 3-O-methyl-D-glucose absorption by foliar disks of Pelargonium zonale (L.) Aiton. (Fre) Carlier, G *Physiol Veg* 13 (3): 445-454. Ref. Eng. Sum. July/Sept 1975

026704 450 P5623
Role of membrane systems in the absorption of calcium by the roots of Vicia faba [broadbeans] (calcicolous) and Lupinus luteus [lupine] (calcufugous). (Fre) Lamant, A; Heller, R *Physiol Veg* 13 (3): 685-700. Ref. Eng. Sum. July/Sept 1975

026705 450 P5623
Study on pigments of Acalypha leaves: influence of water content in acetone solutions on anthocyanins and chlorophylls. (Fre) Billot, J *Physiol Veg* 13 (3): 407-415. Ref. Eng. Sum. July/Sept 1975

026706 450 P5623
The stem as the factor of precedences between buds on the annual shoot of Rhamnus frangula L. (Fre) Meng Horn, C; Champagnat, P; Barnola, P; Lavarenne, S *Physiol Veg* 13 (3): 335-348. Ref. Eng. Sum. July/Sept 1975

026707 450 P5622
A branched trisaccharide in the betacyanins of Bougainvillea glabra. Imperato, F *Phytochemistry* 14 (11): 2526. Nov 1975

026708 450 P5622
A GLC [gas-liquid chromatography] procedure for determining sub-nanogram levels of indol-3-yl acetic acid. Bittner, S; Even-Chen, Z *Phytochemistry* 14 (11): 2455-2457. Ref. Nov 1975

026709 450 P5622
A new lignan from Carissa carandas. Pal, R; Kulshreshtha, D K; Rastogi, R P *Phytochemistry* 14 (10): 2302-2303. Oct 1975

026710 450 P5622
Achillin and deacetylmatricarin from two Artemisia species. Dominguez, X A; Cardenas G, E *Phytochemistry* 14 (11): 2511-2512. Nov 1975

026711 450 P5622
Additional alkaloids of Triclisia patens and Triclisia subcordata. Dwuma-Budu, D; Ayim, J S K; Tackie, A N; Knapp, J E; Slatkin, D J; Schiff, P L Jr *Phytochemistry* 14 (11): 2524-2525. Ref. Nov 1975

026712 450 P5622
Adina [rubescens] alkaloids: isolation and structure of anhydroadirubine. Brown, R T; Charalambides, A A *Phytochemistry* 14 (11): 2527-2529. Nov 1975

026713 450 P5622
Alkaloids and coumarins from Zanthoxylum belizense. Najjar, S; Cordell, G A; Farnsworth, N R *Phytochemistry* 14 (10): 2309-2310. Ref. Oct 1975

026714 450 P5622
Alkaloids from Sophora secundiflora. Keller, W J *Phytochemistry* 14 (10): 2305-2306. Oct 1975

026715 450 P5622
Alkaloids from the root bark of Zanthoxylum myriacanthum. Waterman, P G *Phytochemistry* 14 (11): 2530. Nov 1975

026716 450 P5622
Alkaloids of Cannabis sativa leaves [Marijuana]. el-Feraly, F S; Turner, C E *Phytochemistry* 14 (10): 2304. Oct 1975

026717 450 P5622
Alkaloids of Camoensia maxima. (Fre) Santamaria, J; Khuong-Huu, F *Phytochemistry* 14 (11): 2501-2504. Eng. Sum. Nov 1975

026718 450 P5622
Alkaloids of Cissampelos pareira. Dwuma-Badu, D; Ayim, J S K; Mingle, C A; Tackie, A N; Slatkin, D J; Knapp, J E; Schiff, P L Jr *Phytochemistry* 14 (11): 2520-2521. Ref. Nov 1975

026719 450 P5622
Alkanetriols in psilotophyte cutins [Psilotum nudum, Tmesipteris vieillardii]. Caldicott, A B; Simonett, B R T; Eglinton, G *Phytochemistry* 14 (10): 2223-2228. Ref. Oct 1975

026720 450 P5622
Andesgenin, a new steroid sapogenin from Solanum hypomalacophyllum. Gonzalez, A G; Francisco, C G; Freire, R; Hernandez, R; Salazar, J A; Suarez, E; Morales, A; Usubillaga, A *Phytochemistry* 14 (11): 2483-2485. Nov 1975

026721 450 P5622
Betanin 3'-sulphate from Rivinia humilis. Imperato, F *Phytochemistry* 14 (11): 2526-2527. Nov 1975

026722 450 P5622
Biosynthesis of cannabinoid acids [Cannabis sativa, marijuana]. Shoyama, Y; Yagi, M; Nishioka, I; Yamauchi, T *Phytochemistry* 14 (10): 2189-2192. Ref. Oct 1975

026723 450 P5622
Biosynthesis of meteloidine from 3alpha-tigloyloxytropane in Datura innoxia. Leete, E; Lucast, D H *Phytochemistry* 14 (10): 2199-2200. Oct 1975

026724 450 P5622
Biosynthesis of ditigloyl esters of di- and tri-hydroxytropanes in Datura [innoxia]. Basey, K; Woolley, J G *Phytochemistry* 14 (10): 2201-2203. Ref. Oct 1975

026725 450 P5622
Biosynthesis of 3alpha,6beta-ditigloyloxytropane and 3alpha, 6beta-ditigloyloxytropan-7beta-ol in Datura [meteloides]. Beresford, P J; Woolley, J G *Phytochemistry* 14 (10): 2205-2207. Ref. Oct 1975

026726 450 P5622
Biosynthesis of cyanidin in cell cultures of Haplopappus gracilis. Fritsch, H; Grisebach, H *Phytochemistry* 14 (11): 2437-2442. Ref. Nov 1975

026727 450 P5622
Calycanthine from Palicourea alpina. Woo-Ming, R B; Stuart, K L *Phytochemistry* 14 (11): 2529. Nov 1975

026728 450 P5622
Competitive feeding experiments with tropine in Datura [meteloides]. Beresford, P J; Woolley, J G *Phytochemistry* 14 (10): 2209-2212. Ref. Oct 1975

026729 450 P5622
Confirmation of the structure of calliterpenone, a diterpene from Callicarpa macrophylla. Fujita, E; Ochiai, M; Ichida, I; Chatterjee, A; Desmukh, S K *Phytochemistry* 14 (10): 2249-2251. Oct 1975

026730 450 P5622
Coumarins from Heracleum wallichii and Heracleum nepalense. Gupta, B D; Banerjee, S K; Handa, K L *Phytochemistry* 14 (11): 2533. Nov 1975

026731 450 P5622
Crataegolic acid [2alpha-hydroxyoleanolic acid] and steroid glucosides from the flower buds of Syzygium aromaticum. (Ger) Brieskorn, C H; Munzhuber, K; Unger, G *Phytochemistry* 14 (10): 2308-2309. Oct 1975

026732 450 P5622
Desacetylretuline isolated from Strychnos variabilis. (Fre) Angenot, L; Bisset, N G; Franz, M *Phytochemistry* 14 (11): 2519-2520. Nov 1975

026733 450 P5622
Drosophilin, a methyl ether from Mycena megaspora [Fungi]. Eijk, G W van *Phytochemistry* 14 (11): 2506. Nov 1975

026734 450 P5622
Flavones and other compounds of Boehmeria tricuspis and Boehmeria holosericea. Takemoto, T; Miyase, T; Kusano, G *Phytochemistry* 14 (11): 2534. Nov 1975

026735 450 P5622
Flavonoid and ceroptin pigments from frond exudates of Pityrogramma triangularis. Star, A E; Rosler, H; Mabry, T J; Smith, D M *Phytochemistry* 14 (10): 2275-2278. Ref. Oct 1975

026736 450 P5622
Flavonoids from Cochlospermum gillivraei. Cook, I F; Knox, J R *Phytochemistry* 14 (11): 2510-2511. Nov 1975

026737 450 P5622
Flavonoids of the main stems of Periploca graeca grown in controlled environment. (Fre) Melin, D *Phytochemistry* 14 (10): 2119-2126. Ref. Eng. Sum. Oct 1975

026738 450 P5622
Flavonoids of the vegetative stems of Periploca graeca. (Fre) Melin, D *Phytochemistry* L4 (Ll): 2363-2369. Ref. Eng. Sum. Nov 1975

026739 450 P5622
Flavonol methyl ethers from Chrysothamnus viscidiflorus. Urbatsch, L E; Bacon, J D; Mabry, T J *Phytochemistry* 14 (10): 2279-2282. Oct 1975

026740 450 P5622
Gamma-coniceine reductase in Conium maculatum. Roberts, M F *Phytochemistry* 14 (11): 2393-2397. Ref. Nov 1975

026741 450 P5622
Hydroquinone diacetate from Rhynchosia minima. Krishnamurty, H G; Krishnaswami, L; Rangaswamy, N S *Phytochemistry* 14 (11): 2518-2519. Nov 1975

026742 450 P5622
Isoflavonoids from Cyclolobium species. Gottlieb, O R; Braga de Oliveira, A de; Machado Goncalves, T M; Oliveira, G de; Pereira, S A *Phytochemistry* 14 (11): 2495-2499. Ref. Nov 1975

026743 450 P5622
Isolation and characterization of dinoflagellate and chrysophyte cytochrome-f (553-4) [Algae]. Mehard, C W; Prezelin, B L; Haxo, F T *Phytochemistry* 14 (11): 2379-2382. Ref. Nov 1975

026744 450 P5622
Isolation of diacetoxyscirpenol from Fusarium solani var. Coeruleum [Fungi]. (Ger) Ripperger, H; Seifert, K; Romer, A; Rullkotter, J *Phytochemistry* 14 (10): 2298-2299. Oct 1975

026745 450 P5622
Isolation of lanuginosine from a Malagassy species of Annonaceae, Xylopia lemurica. (Fre) Nieto, M; Leboeuf, M; Cave, A *Phytochemistry* 14 (11): 2508-2509. Nov 1975

026746 450 P5622
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a new amino acid from seeds of Aleurites fordii [Tung tree]. Okuda, T; Yoshida, T; Shiota, N; Nobuhara, J *Phytochemistry* 14 (10): 2304-2305. Oct 1975

026747 450 P5622
Mallotin—a new C32 [carbon] triterpenoid from Mallotous stenanthus. Pal, R; Kulshreshitha, D K; Rastogi, R P *Phytochemistry* 14 (10): 2253-2255. Ref. Oct 1975

026748 450 P5622
Metabolism of 3beta-hydroxy-5alpha- and 3beta-hydroxy-5betapregnan-20-one by leaf homogenates. Stohs, S J *Phytochemistry* 14 (11): 2419-2422. Ref. Nov 1975

026749 450 P5622
Moretenol and other constituents of Celtis laevigata. Santa-Cruz, L H; Turner, C E; Knapp, J E; Schiff, P L Jr; Slatkin, D J *Phytochemistry* 14 (11): 2532-2533. Nov 1975

026750 450 P5622
New melampolide sesquiterpene lactones from Melampodium leucanthum. Fischer, N H; Wiley, R A Jr.; Lin, H N; Karimian, K; Politz, S M *Phytochemistry* 14 (10): 2241-2245. Ref. Oct 1975

026751 450 P5622
Nitro compounds in Astragalus species. Williams, M C; Stermitz, F R; Thomas, R D *Phytochemistry* 14 (10): 2306-2308. Oct 1975

026752 450 P5622
N-nitroamines of Agaricus silvaticus [Mushrooms]. Chilton, W S; Hsu, C P *Phytochemistry* 14 (10): 2291-2292. Oct 1975

026753 450 P5622
Phenethylamines of Ariocarpus scapharostrus. Bruhn, J G *Phytochemistry* 14 (11): 2509-2510. Ref. Nov 1975

026754 450 P5622
Phenolic compounds from the heartwood of Garcinia mangostana [Mangosteen]. Holloway, D M; Scheinmann, F *Phytochemistry* 14 (11): 2517-2518. Nov 1975

026755 450 P5622
Picrasins, simaroubolides of Japanese quassia tree Picrasma quassioides. Hikino, H; Ohta, T; Takemoto, T *Phytochemistry* 14 (11): 2473-2481. Ref. Nov 1975

026756 450 P5622
Polysaccharide from cell walls of Chlamydomonas reinhardtii[Algae]. Jiang, K S; Barber, G A *Phytochemistry* 14 (11): 2459-2461. Ref. Nov 1975

026757 450 P5622
Quantitative changes in free amino acids in Polytrichum formosum [Musci] during development. Guyomarc'h, C U *Phytochemistry* 14 (11): 2337-2340. Nov 1975

026758 450 P5622
Review: Growth regulating substances of plant origin. Gross, D *Phytochemistry* 14 (10): 2105-2112. Ref. Oct 1975

026759 450 P5622
Scanning electron microscopy of trichomes of Cheilanthes (Sinopteridaceae). Upadhyay, R R; Rasmussen, H P; Johnson, W S *Phytochemistry* 27 (3): 245-250. July/Sept 1975

026760 450 P5622
Squamatic acid from the mycobiont of Cladonia crispata [Lichenes]. Ejiri, H; Shibata, S *Phytochemistry* 14 (11): 2505. Nov 1975

026761 450 P5622
Stereochemistry of granilin isolated from Carpesium abrotanoides. Maruyama, M; Shibata, F *Phytochemistry* 14 (10): 2247-2248. Oct 1975

026762 450 P5622
Steroids from Ganoderma applanatum [Fungi]. (Ger) Ripperger, H; Budzikiewicz, H *Phytochemistry* 14 (10): 2297-2298. Oct 1975

026763 450 P5622
Sterol-binding polysaccharides of Rhizopus arrhizus, Penicillium roquefortii and Saccharomyces carlsbergensis [Fungi]. Pillai, C G P; Weete, J D *Phytochemistry* 14 (11): 2347-2351. Ref. Nov 1975

026764 450 P5622
Structural determination of C-glycosylflavones [in plant extracts] by mass spectrometry of their permethyl ethers. Bouillant, M L; Favre-Bonvin, J; Chopin, J *Phytochemistry* 14 (10): 2267-2274. Ref. Oct 1975

026765 450 P5622
Sulphate esters of caffeyl- and p-coumaryl-glucose in ferns [Adiantum, Pteridium aquilinum]. Cooper-Driver, G; Swain, T *Phytochemistry* 14 (11): 2506-2507. Ref. Nov 1975

026766 450 P5622
Terebenthifolic acid and bauerenone: new triterpenoid ketones from Schinus terebenthifolius. Campello, J de P; Marsaioli, A J *Phytochemistry* 14 (10): 2300-2302. Oct 1975

026767 450 P5622
The fatty acid composition of fern lipids. Jamieson, G R; Reid, E H *Phytochemistry* 14 (10): 2229-2232. Ref. Oct 1975

026768 450 P5622
The phenolic constituents of Peltigera aphthosa [Lichenes]. Maass, W S G *Phytochemistry* 14 (11): 2487-2489. Nov 1975

026769 450 P5622
The role of phenylalanine in the biosynthesis of flavonoids and cinnamic acids in the twining stems of Periploca graeca. (Fre) Melin, D *Phytochemistry* 14 (10): 2193-2197. Ref. Eng. Sum. Oct 1975

026770 450 P5622
Two new anthraquinones from the roots of Digitalis orientalis. (Ger) Imre, S; Buyuktimkin, N *Phytochemistry* 14 (10): 2310-2311. Oct 1975

026771 450 P5622
Two oxoaporphine alkaloids of Stephania japonica. Watanabe, Y; Matsui, M; Iibuchi, M; Hiroe, S *Phytochemistry* 14 (11): 2522-2523. Nov 1975

026772 450 P5622
Ultraviolet-mediated antibiotic activity of thiophene compounds of Tagetes [patula, photoxic to Candida albicans]. Chan, G F Q; Towers, G H N; Mitchell, J C *Phytochemistry* 14 (10): 2295-2296. Ref. Oct 1975

026773 450 P5622
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from barley seedlings and yeasts]. Gozdzicka-Jozefiak, A; Labuda, D; Bagi, G; Borbely, G; Farkas, G L *Phytochemistry* 14 (11): 2375-2377. Ref. Nov 1975

026774 450 P5622
Variations of the lipid composition during the formation of cysts in the green alga Protosiphon botryoides. Berkaloff, C; Kader, J C *Phytochemistry* 14 (11): 2353-2355. Ref. Nov 1975

026775 450 P5622
1-Cyanoepithioalkanes: major products of alkenylglucosinolate hydrolysis in certain Cruciferae. Cole, R A *Phytochemistry* 14 (10): 2293-2294. Oct 1975

026776 450 P5622
10-nonacosanone in Lophosoria quadripinnata [Pteridophyta]. Soeder, R W; Hodgin, J C *Phytochemistry* 14 (11): 2508. Nov 1975

026777 450 P5622
2,3-dihydroxybenzoate 2,3-oxygenase from the chloroplast fraction of Tecoma stans. Sharma, H K; Vaidyanathan, C S *Phytochemistry* 14 (10): 2135-2139. Ref. Oct 1975

026778 450 P5622
27-hydroxyruscogenin, a new spirostan sapogenin from Semeleandrogyna. Gonzalez, A G; Francisco, C G; Friere, R; Hernandez, R; Salazar, J A; Suarez, E *Phytochemistry* 14 (10): 2257-2258. Oct 1975

026779 450 P5622
9(11)-dehydroagapanthagenin, a new spirostan sapogenin from Agapanthus africanus. Gonzalez, A G; Francisco, C G; Freire, R; Hernandez, R; Salazar, J A; Suarez, E *Phytochemistry* 14 (10): 2259-2262. Oct 1975

026780 QK99.A1P5
Abnormal presence of hexyleneglycol in the commercial essential oils of Vetiveria [zizanioides] and Cananga [odorata]. (Fre) Peyron, L; Acchiardi, J; Pellerin, P *Plant Med Phytother* 9 (3): 192-203. July 1975

026781 QK99.A1P5
Chemical constituents of Choisya ternata Kunth. Flavonoids of the petals. (Fre) Tea, K N; Gleye, J; Fouraste, I *Plant Med Phytother* 9 (3): 187-191. July 1975

026782 QK99.A1P5
Comparative study of various weights of belladonna [Atropa belladonna] from Languedoc for obtaining pharmaceutics. (Fre) Jacob, M; Pellecuer, J; Puech, A; Privat, G; Lafon, J; Motte, M E *Plant Med Phytother* 9 (3): 204-210. July 1975

026783 QK99.A1P5
Phytotherapy in the German Federal Republic [Medicinal plants]. (Fre) Bezanger-Beauquesne, L *Plant Med Phytother* 9 (3): 250-262. July 1975

026784 QK99.A1P5
Plants from Madagascar. XV. Some Malagasy Chlaenaceae: Leptolaena pauciflora Baker, Leptolaena cavaco var. tampoketsensis and Sarcolaena multiflora Dup. Thou.: presence of myricetol heterosides. (Fre) Paris, R R; Jacquemin, H; Linard, A *Plant Med Phytother* 9 (3): 230-237. Eng. Sum. July 1975

026785 QK99.A1P5
Preliminary studies on the viricide and antivirus action of some medicinal plants of the Congo, Brazzaville. (Fre) Soulimov, A A; Bouquet, A; Glouchko, B A; Filatov, I P; Fournet, A *Plant Med Phytother* 9 (3): 171-181. July 1975

026786 QK99.A1P5
Some toxic African Euphorbiaceae. (Fre) Tessier, A M; Bouquet, A; Paris, R R *Plant Med Phytother* 9 (3): 238-249. Ref. Eng. Sum. July 1975

450 P692
Auxin: its role in genetic tumor induction [in Nicotiana suaveolens X Nicotiana langsdorffii]. Ames, I H; Mistretta, P W *Plant Physiol* 56 (6): 744-746. Ref. Dec 1975

026787 450 P692
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in cotyledons of mustard [Sinapis alba] seedlings in the absence of photosynthesis. Thien, W; Schopfer, P *Plant Physiol* 56 (5): 660-664. Ref. Nov 1975

026788 450 P692
Ozone-induced loss of intracellular potassium ion from Chlorella sorokiniana [Algae]. Chimiklis, P E; Heath, R L *Plant Physiol* 56 (6): 723-727. Ref. Dec 1975

026789 450 P692
Partial purification and properties of ornithine transcarbamoylase from Nostoc muscorum Kutzing [Algae]. Boggess, S F; Naylor, A W *Plant Physiol* 56 (5): 640-644. Ref. Nov 1975

026790 450 P692
Photoactivation of NAD [nicotinamide adenine dinucleotide] kinase through phytochrome [from Avena coleoptiles]. Tezuka, T; Yamamoto, Y *Plant Physiol* 56 (6): 728-730. Dec 1975

026791 450 P692
Purification of NADH [nicotinamide adenine dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by affinity chromatography. Solomonson, L P *Plant Physiol* 56 (6): 853-855. Ref. Dec 1975

026792 450 P692
Restoration of organic acid accumulation in sectioned leaves of Bryophyllum tubiflorum Harv. Kinraide, T B; Behan, M J *Plant Physiol* 56 (6): 830-835. Ref. Dec 1975

026793 450 P692
Suaeda monoica, a C4 [carbon fixation pathway] plant without typical bundle sheaths. Shomer-Ilan, A; Beer, S; Waisel, Y *Plant Physiol* 56 (5): 676-679. Ref. Nov 1975

026794 450 P692
Temperature dependence of chlorophyll a fluorescence in relation to the physical phase of membrane lipids in algae and higher plants. Murata, N; Fork, D C *Plant Physiol* 56 (6): 791-796. Ref. Dec 1975

026795 QK1.P5
Arabidopsis thaliana as a model system in somatic cell genetics. I. Cell and tissue culture. Negrutiu, I; Beeftink, F; Jacobs, M *Plant Sci Lett* 5 (5): 293-304. Ref. Nov 1975

026796 QK1.P5
Changes in amino acid and peptide composition of Euglena gracilis [Algae] cells during chloroplast development. Schantz, R; Schantz, M L; Duranton, H *Plant Sci Lett* 5 (5): 313-324. Ref. Nov 1975

026797 QK1.P5
Changes in chloroplast ribosomal proteins in a streptomycinresistant mutant of Euglena gracilis [Algae]. Freyssinet, G *Plant Sci Lett* 5 (5): 305-311. Ref. Nov 1975

026798 QK1.P5
Comparative effects of fusicoccin and gibberellic acid on the promotion of germination and DNA synthesis initiation in Haplopappus gracilis. Galli, M G; Sparvoli, E; Caroi, M *Plant Sci Lett* 5 (5): 351-357. Ref. Nov 1975

026799 QK1.P5
Isolation, culture and regeneration into plants of Ranunculus sceleratus L. leaf protoplasts. Durion, N; Chupeau, Y; Bourgin, J P *Plant Sci Lett* 5 (5): 325-331. Ref. Nov 1975

026800 450 OS7
On the calcifications in Monophyllaea horsefieldii (Gesneriaceae). (Ger) Puff, C *Plant Syst Evol* 124 (2): 157-160. Eng. Sum. 1975

026801 450 P693
A gibberellin bioassay based on betacyanin production in Amaranthus caudaus seedlings. Kinsman, L T; Pinfield, N J; Stobart, A K *Planta* 127 (2): 149-152. 1975

026802 450 P693
Chloroplast fluorescence of C4 [carbon] plants. II. A photographic technique for obtaining relative fluorescence yields and spectra photographically [Dichanthium annulatum]. Elkin, L; Park, R B *Planta* 127 (2): 187-199. 1975

026803 450 P693
On the respiratory enhancement in Chlorella pyrenoidosa by blue light [Algae]. Sargent, D F; Taylor, C P S *Planta* 127 (2): 171-175. Ref. 1975

026804 GB1627.G8C6
Modeling of phytoplankton [Algae] in Lake Ontario. Thomann, R V; Winfield, R P; Di Toro, D M *Proc Conf Great Lakes Res* 17th: 134-149. Ref. 1974

026805 GB1627.G8C6
Storm induced relationships among chemical conditions and phytoplankton [Algae] in Saginaw Bay and western Lake Huron. Schelske, C L; Feldt, L E; Simmons, M S; Stoermer, E F *Proc Conf Great Lakes Res* 17th (Pt. 1): 78-91. Map. 1974

026806 513 N212 PT.B
Effect of metal ions on Trichophyton rubrum culture [Fungi]. Chandra, A K; Banerjee, A B *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 113-118. Feb 1974

026807 513 N212 PT.B
Limnological studies in Kashmir lakes. IV. Seasonal dynamics of phytoplankton in the Dal and Nagin. Kant, S; Kachroo, P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 77-99. Ref. Feb 1974

026808 513 N212 PT.B
The protein, peptide and free amino acid composition in some species of Laurencia from Saurashtra coast [Algae]. Lewis, E J *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 38-43. Feb 1974

026809 500 N21P
Chemically induced dynamic electron polarization in chloroplasts at room temperature: evidence for triplet state participation in photosynthesis. Blankenship, R; McGuire, A; Sauer, K *Proc Natl Acad Sci U S A* 72 (12): 4943-4947. Ref. Dec 1975

026810 500 N21P
Differential activity staining: its use in characterization of guanylylspecific ribonuclease in the genus Ustilago [Fungi]. Blank, A; Dekker, C A *Proc Natl Acad Sci U S A* 72 (12): 4914-4917. Ref. Dec 1975

026811 500 N21P
High resolution 31P [phosphorus isotope] nuclear magnetic resonance studies of intact yeast cells. Salhany, J M; Yamane, T; Shulman, R G; Ogawa, S *Proc Natl Acad Sci U S A* 72 (12): 4966-4970. Ref. Dec 1975

026812 500 N21P
Hydrogen bonding in yeast phenylalanine transfer RNA. Quigley, G J; Wang, A H J; Seeman, N C; Suddath, F L; Rich, A; Sussman, J L; Kim, S H *Proc Natl Acad Sci U S A* 72 (12): 4866-4870. Ref. Dec 1975

026813 500 N21P
Partial amino-acid sequence of NAD-specific glutamate dehydrogenase of Neurospora crassa [Fungi]. Austen, B M; Nyc, J F; Degani, Y; Smith, E L *Proc Natl Acad Sci U S A* 72 (12): 4891-4894. Ref. Dec 1975

026814 500 N21P
Signal input for a chemotactic response in the cellular slime mold dictyostelium discoideum. Mato, J M; Losada, A; Nanjundiah, V; Konijn, T M *Proc Natl Acad Sci U S A* 72 (12): 4991-4993. Ref. Dec 1975

026815 501 L84B
Some developments in research on plant growth inhibitors. Wain, R L *Proc R Soc Lond, B Biol Sci* 191 (1104): 335-352. Ref. Dec 2, 1975

026816 442.8 P94
Calcium and magnesium contents of ectoplasm and endoplasm of Physarum polycephalum plasmodium [Fungi]. Nagai, R; Ishima, Y; Kukita, F; Takenaka, T *Protoplasma* 86 (1/3): 169-174. 1975

026817 442.8 P94
Cell division in the pennate diatom Diatoma vulgare [Algae]. Pickett-Heaps, J D; McDonald, K L; Tippit, D H *Protoplasma* 86 (1/3): 205-242. Ref. 1975

026818 442.8 P94
Evidence for a species-specific cell fusion hormone in red algae [Griffithsia]. Waaland, S D *Protoplasma* 86 (1/3): 253-261. 1975

026819 442.8 P94
Germination of cysts in Acetabularia mediterranea [Algae]. Koop, H U *Protoplasma* 84 (1/2): 137-146. Ref. 1975

026820 442.8 P94
Microtubular complexes in blue-green algae [Nostoc sphaericum]. Bisalputra, T; Oakley, B R; Walker, D C; Shields, C M *Protoplasma* 86 (1/3): 19-28. Ref. 1975

026821 442.8 P94
Specific binding of insulin to the unicellular alga Acetabularia mediterranea. Legros, F; Uytdenhoef, P; Dumont, I; Hanson, B; Jeanmart, J; Massant, B; Conard, V *Protoplasma* 86 (1/3): 119-134. Ref. 1975

026822 442.8 P94
Studies on the effects of alcohols on membrane water permeability of Nitella [Algae]. Kiyosawa, K *Protoplasma* 86 (1/3): 243-252. Ref. 1975

026823 382 P97
Structural chemistry of plant glycuronoglycans. Ovodov, YU S *Pure Appl Chem* 42 (3): 351-369. Ref. 1975

026824 442.8 B5242
Influence of energy metabolism on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. Jain, V K; Pohlit, W; Curohit, S C *Radiat Environ Biophys* 12 (4): 315-320. Ref. 1975

026825 442.8 B5242
Studies on the energy metabolism during the respiratory process by Baker's Yeast [Saccharomyces cerevisiae]. Hoogerheide, J C *Radiat Environ Biophys* 12 (4): 281-290. 1975

026826 107.6 H68
Further evidence on thermal anomalies around 15, 30, 45 and 60 degrees centigrade in plants. Nishiyama, I *Res Bull Hokkaido Natl Agric Exp Stn* 110: 1-24. Ref. Jan 1975

026827 450 R326
Correlations and morphogenesis in Chara vulgaris L. [Algae] cultivated in vitro. (Fre) Ducreux, G *Rev Gen Bot* 82 (974/976): 215-357. Ref. Eng. Sum. July/Sept 1975

026828 QD415.A1R4
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. Popov, D; Tacina, F *Rev Roum Biochim* 12 (4): 245-248. Ref. 1975

026829 QD415.A1R4
Effect of urea on intracellular ribonuclease from Aspergillus niger [Fungi]. Musolan, C; Vasu, S *Rev Roum Biochim* 12 (4): 227-232. Ref. 1975

026830 SF1.R54
Photosynthesis. (Ita) Piccolo, L *Rilancio Agric Vet Zootec* 6 (2/3): 10-13. 1974

026831 470 SCI2
Flavonoid localization in epidermal papillae of flower petals: a specialized adaptation for ultraviolet absorption. Brehm, B G; Krell, D *Science* 190 (4220): 1221-1223. Ref. Dec 19, 1975

026832 56.8 SO3
A microscopic-scale model of soil water uptake and salt movement to plant roots. Hillel, D; Beek, C G E M van; Talpaz, H *Soil Sci* 120 (5): 385-399. Ref. Nov 1975

026833 56.8 SO38
Comparative studies on the photosynthesis of higher plants. V. Differences in the rate of sugar formation from radioactive compounds among C4 [acid decarbonylation]-plants. Imai, H; Fukuyama, M; Yamada, Y *Soil Sci Plant Nutr* 21 (3): 253-261. Sept 1975

026834 409.6 SO8
Planktonic diatom fluctuations in a Northern Arizona Mountain Lake. Button, K S; Blinn, D W *Southwest Nat* 20 (3): 397-408. Ref. Oct 10, 1975

026835 409.6 SO8
Pollination of Cnidoscolus texanus (Euphorbiaceae) in south-central Oklahoma. Perkins, G; Estes, J R; Thorp, R W *Southwest Nat* 20 (3): 391-396. Oct 10, 1975

026836 68.19 M28
The effect of the condition of the buds on the cuttings of tea plants on the establishment and biology of growth. (Rus) Pirtskhalaishvili, S Kh; Eliadze, A D *Subtrop Kul't* 1: 25-28. 1975

026837 68.19 M28
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. (Rus) Bukhbinder, A A *Subtrop Kul't* 1: 106-110. 1975

026838 450 SV2
Contributions to the knowledge of the early development of the microsporangium in angiosperms. (Ger) Brunkener, L *Sven Bot Tidskr* 69 (1): 1-27. Ref. Eng. Sum. 1975

026839 382 T29
Alkaloids from Rhamnaceae. XXVI. Nummularine -D, -E and -F, new cyclopeptide alkaloids from Zizyphus nummularia. Tschesche, R; Elgamal, M; Miana, G A; Eckhardt, G *Tetrahedron* 31 (23): 2944-2947. Ref. 1975

026840 382 T29
Alkaloids of Cocculus pendulus (Forsk) Diels. Bhakuni, D S; Joshi, P P *Tetrahedron* 31 (20): 2575-2579. Ref. Oct 1975

026841 382 T29
Constituents of Catha edulis: isolation and structure of cathidine D. Cais, M; Ginsburg, D; Mandelbaum, A; Smith, R M *Tetrahedron* 31 (21): 2727-2731. Ref. Nov 1975

026842 382 T29
Flavonoids from Tephrosia [multijuga]. IX. The structure of multijugin and multijuginol. Vleggaar, R; Smalberger, T M; Van den Berg, A J *Tetrahedron* 31 (20): 2571-2573. Ref. Oct 1975

026843 385 T29
Alpha- and beta-synderol; new bromo-monocyclic sesquiterpenes from the seaweed Laurencia [Algae]. Howard, B M; Fenical, W *Tetrahedron Lett* 1: 41-44. Jan 1976

026844 385 T29
Carbon-13 NMR [nuclear magnetic resonance] spectra of some polycyclic triterpenoids [Actea racemosa]. Radics, L; Kajtar-Peredy, M; Corsano, S; Standoli, L *Tetrahedron Lett* 48: 4287-4290. Ref. Nov 1975

026845 385 T29
Carbon-13 NMR [nuclear magnetic resonance] spectra of some furanosesquiterpenes, major components of Lindera strychnifolia. Tori, K; Ueyama, M; Horibe, I; Tamura, Y; Takeda, K *Tetrahedron Lett* 51: 4583-4586. Ref. Dec 1975

026846 385 T29
Ergot alkaloids. III. The isolation of N-methyl-4-dimethylallyltryptophan from Claviceps fusiformis [Fungi]. Barrow, K D; Quigley, F R *Tetrahedron Lett* 48: 4269-4270. Nov 1975

026847 385 T29
Irieol A and iriediol, dibromoditerpenes of a new skeletal class from [red seaweed] Laurencia. Fenical, W; Howard, B; Gifkins, K B; Clardy, J *Tetrahedron Lett* 46: 3983-3986. Ref. Nov 1975

026848 385 T29
New type chalcones from licorice [Glycyrrhiza glabra]. Saitoh, T; Shibata, S *Tetrahedron Lett* 50: 4461-4462. Dec 1975

026849 385 T29
Structure of a novel type steroid glycoside, 18-norspirostanol oligoglycoside [Trillium kamtschaticum]. Nohara, T; Nakano, A; Miyahara, K; Komori, T; Kawasaki, T *Tetrahedron Lett* 49: 4381-4384. Ref. Dec 1975

026850 385 T29
Studies on Indian medicinal plants. XXXVI. New D:Ecis neohopane derivatives from Alangium lamarckii. Achari, B; Pal, A; Pakrashi, S C *Tetrahedron Lett* 48: 4275-4278. Ref. Nov 1975

026851 385 T29
The structures of C17 [carbon isotope]-obtusilactone dimer and two C21-obtusilactones [Lindera obtusiloba]. Niwa, M; Iguchi, M; Yanamura, S *Tetrahedron Lett* 75 (3): 4395-4398. Dec 1975

026852 385 T29
Total synthesis of compounds related to the homoerthrina alkaloids [Schelhammera pedunculata]. McDonald, E; Suksamrarn, A *Tetrahedron Lett* 49: 4425-4428. Dec 1975

026853 290.9 AM32T
A system of growth equations for the continuous simulation of plant growth. McKinion, J M; Jones, J W; Hesketh, J D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 975-979, 984. Ref. Sept/Oct 1975

026854 442.9 M854
Investigation of radioprotective action of Salsola arbuscula. (Rus) Khamdamova, T U; Riazanov, V M; Kudriashov, IU B; Tarusov, B I *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 1: 109-111. Eng. Sum. Jan/Feb 1975

331.9 M85
Manganese resources in soils and plants of the Altai Territory. (Rus) Gerasimova, M I; Dianova, T M; Patsukevich, Z V *Vestn Moskovsk Univ, Geogr* 3: 116-120. Maps. Eng. Sum. May/June 1975

026855 QH91.A1V5
Studies on Kallymenia (Cryptonemiales, Kallymeniaceae). II. Development of spores and morphogenesis [Algae]. (Fre) Codomier, L *Vie Milieu Ser A: Biol Mar* 24 (3): 369-388. Ref. Eng. Sum. 1974

026856 QK711.W4
Application of carbon isotope fractionation by plants to ecosystem investigations. Troughton, J H; Card, K A *Whats New Plant Physiol* 7 (9), 5 P. Ref. Sept 1975

026857 QK711.W4
Poikilohydrous plants: the extreme case of drought tolerance. Krochko, J E; Bewley, J D *Whats New Plant Physiol* 7 (8), 3 P. Ref. Aug 1975

026858 281.8 W892
Sodium as a plant nutrient. *World Crops* 27 (6): 251. Nov/Dec 1975

026859 384 Z39
Aflatoxin can be degraded by the mycelium of Aspergillus parasiticus [Fungi, food chemistry]. Shih, C N; Marth, E H *Z Lebensm Unters Forsch* 158 (6): 361-362. 1975

026860 450 Z32
Anthercultures in the genus Scopolia. (Ger) Wernicke, W; Kohlenbach, H W *Z Pflanzenphysiol* 77 (1): 89-93. Eng. Sum. 1975

026861 450 Z32
Bleaching of chlorophyll by digitoxin [Digitalis purpurea]. Jonas, H *Z Pflanzenphysiol* 77 (1): 42-53. Ref. 1975

026862 450 Z32
Investigations on the ecology and physiology of the marine blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. (Ger) Feige, G B *Z Pflanzenphysiol* 77 (1): 1-15. Ref. Eng. Sum. 1975

026863 450 Z32
Photoperiodic time measurement and circadian leaf movement in Pharbitis nil controlled by the same clock? Bollig, I *Z Pflanzenphysiol* 77 (1): 54-69. Ref. 1975

026864 450 Z32
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. Ku, S B; Edwards, G E *Z Pflanzenphysiol* 77 (1): 16-32. Ref. 1975

026865 450 Z32
The inhibition of flowering by abscisic acid in Sinapis alba L. Kinet, J M; Bodson, M; Jacqmard, A; Bernier, G *Z Pflanzenphysiol* 77 (1): 70-74. Ref. 1975

421 Z1
Accelerated evaluation of the germinating power of the spores of resin fungi [Cronartium]. (Rus) Lanetskii, V P; Sanin, S S; Filin-Koldakov, B V; Babina, F A; Blagoderov, N V *Zashch Rast* 1: 48. Jan 1975

026866 448.3 C33 (3)
Effect of high altitude cosmic radiation on desmids [Algae]. Vidyavati,; Nizam, J *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 285-292. 1975

026867 448.3 C33 (3)
Fate of pyruvate, formed nonphosphorolytically from gluconate by extracts of Aspergillus niger [Fungi]. Elzainy, T A; Hassan, M M; Allam, A M *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 201-205. 1975

026868 448.3 C33 (3)
The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. (Ger) Vollbrecht, D; Radler, F *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 238-244. Eng. Sum. 1975

026869 442.8 Z6
On convergent lines of similarity between fungi and some groups of animals. (Rus) Bekker, Z E *Zh Obshch Biol* 36 (5): 670-687. Ref. Eng. Sum. 1975

026870 442.8 Z6
On the manifestation of biogenetic law in plant water exchange. (Rus) Antipov, N I *Zh Obshch Biol* 36 (5): 688-698. Ref. Eng. Sum. 1975

026871 442.8 Z6
On the phenomenon of ecological equivalence [Plant growth, environmental factors]. (Rus) Kulagin, IU Z *Zh Obshch Biol* 36 (5): 709-715. Ref. Eng. Sum. 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FIELD CROPS

026872 450 AC822
Auxin-synthesis inhibition by abscisic acid, and its reversal by gibberellic acid [Avena]. Anker, L *Acta Bot Neerl* 24 (3/4): 339-347. Ref. June/Aug 1975

026873 450 AC822
Red light enhances the growth of Avena coleoptiles. Lion, J *Acta Bot Neerl* 24 (3/4): 349-353. Ref. June/Aug 1975

026874 451 SO16
Effectiveness of different methods of preparing seedlings of cereals under sterile conditions for investigations of nucleic acids using radioactive precursors. Filek, W *Acta Soc Bot Pol* 44 (3): 360-368. Ref, 1975

026875 451 SO16
Flavonoids fom the birdsfoot trefoil seeds (Lotus corniculatus L.). Gorski, P M; Jurzysta, M; Rzadkowska-Bodalska, H *Acta Soc Bot Pol* 44 (2): 289-295. 1975

026876 451 SO16
Influence of reducing and oxidating compounds on iron accumulation and chlorophyll content in oat leaves. Slesak, E *Acta Soc Bot Pol* 44 (3): 349-360. Ref. 1975

026877 451 SO16
Phosphatase activity of Poa pratensis seeds. II. Purification and characterization of acid phosphatase Ia2 and Ia3. Lorenc-Kubis, I; Morawiecka, B; Niezgodka, M; Hebrowska, A *Acta Soc Bot Pol* 44 (2): 255-263. Ref. 1975

026878 451 SO16
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in plants (etiolated wheat germs, and bean leaves). Barbaro, A; Rozek, S *Acta Soc Bot Pol* 44 (3): 377-392. Ref. 1975

026879 S671.A2
Dependences of some physical-mechanical quantities on internodes of barley stalks of the Dvoran and Sladar varieties. (Slo) Dunca, J; Kelemen, P; Svec, O *Acta Technol Agric* 13: 217-226. Eng. Sum. 1975

026880 S671.A2
Solution of differential equation of humidity transfer [in cereals] on an analogue computer. (Slo) Motaj, M; Skulavik, L; Izakovic, A *Acta Technol Agric* 14: 233-240. Eng. Sum. 1975

026881 S671.A2
Stress of spring barley internodes on tension. (Slo) Turcek, J; Supuka, J; Volek, V *Acta Technol Agric* 13: 207-216. Eng. Sum. 1975

026882 QP901.A33
Hormone mediated integration of seedling physiology [Barley]. Varner, J E *Adv Exp Med Biol* 62: 65-78. Ref. 1975

026883 385 AG8B
Biosynthesis of leaf alcohol: kinetic study of lipoxygenase activation process caused by hydroperoxylinoleic acid [Soybeans]. Aoshima, H; Kajiwara, T; Hatanaka, A; Nakatani, H; Hiromi, K *Agric Biol Chem* 39 (11): 2255-2257. Ref. Nov 1975

026884 385 AG8B
Multiple forms of rice seeds beta-amylases on zymogram. Matsui, H; Chiba, S; Shimomura, T; Takahashi, N *Agric Biol Chem* 39 (11): 2239-2240. Ref. Nov 1975

026885 1.98 AG84
Bringing back blue grama [Bouteloua gracilis, growth as forage crop]. U.S. Agricultural Research Service *Agric Res* 24 (7): 6-7. Jan 1976

026886 385 AG83
Investigation of trace elements uptake by plants on peat soils at Keszthely. IV. [Field crops]. (Hun) Samsoni, Z; Szalay, S; Szilagyi, M; Toth, A *Agrokem Talajtan* 24 (1/2): 61-70. Ref. Eng. Sum. June 1975

026887 4 AM34P
Alfalfa flower color associated with differential seed set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. Goplen, B P; Brandt, S A *Agron J* 67 (6): 804-806. Ref. Nov/Dec 1975

026888 4 AM34P
Compatibility of Rhizobium japonicum with chemical seed protectants [Fungicides, soybeans, nodulation]. Curley, R L; Burton, J C *Agron J* 67 (6): 807-808. Nov/Dec 1975

026889 4 AM34P
Corn yield and nutrient uptake as affected by water-table depth and soil submergence. Chaudhary, T N; Bhatnagar, V K; Prihar, S S *Agron J* 67 (6): 745-749. Ref. Nov/Dec 1975

026890 4 AM34P
Mo [molybdenum] and N [nitrogen] effects on growth, yield, and Mo composition of burley tobacco. Sims, J L; Atkinson, W O; Smitobol, C *Agron J* 67 (6): 824-828. Ref. Nov/Dec 1975

026891 4 AM34P
Phosphorus uptake by soybeans as influenced by [soil] moisture stress in the fertilized zone. Marais, J N; Wiersma, D *Agron J* 67 (6): 777-781. Ref. Nov/Dec 1975

026892 4 AM34P
Potential tetany hazard [to ruminants] of N [nitrogen]-fertilized bromegrass [Bromus inermis] as indicated by chemical composition. Follett, R F; Power, J F; Grunes, D L; Hewes, D A; Mayland, H F *Agron J* 67 (6): 819-824. Ref. Nov/Dec 1975

4 AM34P
Soybean response to stand reduction and defoliation [Hail damage, plant recovery]. Teigen, J B; Vorst, J J *Agron J* 67 (6): 813-816. Ref. Nov/Dec 1975

026893 4 AM34P
Varietal response of burley tobacco to stage of physiological development when topped. Gupton, C L *Agron J* 67 (6): 833-835. Nov/-Dec 1975

026894 4 AM34P
Vernalization of winter field pea. Trevino, I C; Murray, G A *Agron J* 67 (6): 750-751. Nov/Dec 1975

026895 4 AM34P
Yield response to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of energy production waste waters]. Rykbost, K A; Boersma, L; Mack, H J; Schmisseur, W E *Agron J* 67 (6): 733-738. Ref. Nov/Dec 1975

026896 4 AM34P
Zinc accumulation and growth of corn seedlings as affected by endosperm removal. Edwards, J H; Kamprath, E J *Agron J* 67 (6): 809-812. Nov/Dec 1975

026897 450 AN4
Isoenzymes of phosphorylase in sugarbeet L. And related species. (Ger) Steiger, E; Abel, W O *Angew Bot* 49 (3/4): 169-178. Ref. Eng. Sum. Nov 1975

026898 23 AU783
Vernalization as a factor influencing the rate of development in subterranean clover (Trifolium subterraneum L.) [Cultivars]. Collins, W J; Smith, D F *Aust J Agric Res* 26 (6): 959-966. Ref. Nov 1975

026899 QK710.A9
Accumulation of 4-aminobutyrate in Trifium subterraneum [subterranean clover] root nodules: effect of Rhizobium trifolii strain on aminotransferase activity. Freney, J R; Gibson, A H *Aust J Plant Physiol* 2 (4): 663-668. Ref. Dec 1975

026900 QK710.A9
Chlorophyll synthesis in a yellow mutant of wheat. Newell, E; Rienits, K G *Aust J Plant Physiol* 2 (4): 543-552. Ref. Dec 1975

026901 QK710.A9
Comparison of isomers of fluorophenylalanine as inhibitors of ion transport across barley roots. Wildes, R A; Pitman, M G; Schaefer, N *Aust J Plant Physiol* 2 (4): 659-661. Dec 1975

026902 QK710.A9
Influence of water stress on water relations and growth of a tropical (C4 [carbon]) grass, Panicum maximum var. trichoglume. Ng, T T; Wilson, J R; Ludlow, M M *Aust J Plant Physiol* 2 (4): 581-595. Ref. Dec 1975

026903 442.8 B5236
Isolation and purification of cytokinin binding protein from tobacco leaves by affinity column chromatography. Takegami, T; Yoshida, K *Biochem Biophys Res Commun* 67 (2): 782-789. Ref. Nov 17, 1975

026904 382 B52
Characterization of the terminal stages of chlorophyll(ide) synthesis in etioplast membrane preparations [from maize and barley]. Griffiths, W T *Biochem J* 152 (3): 623-635. Ref. Dec 1975

026905 382 B52
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. Slack, C R; Roughan, P G *Biochem J* 152 (2): 217-228. Ref. Nov 1975

026906 QK710.F5
Germination, seedling growth and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) induced water stress. Pandya, R B; Khan, M I; Gupta, S K; Dhindsa, K S *Biochem Physiol Pflanz BPP* 167 (5): 439-455. Ref. 1975

026907 QK710.F5
RNA profiles and nucelotide composition of flax callus and suspension cultures. Ibrahim, R K; Ritter, L; Cavia, E *Biochem Physiol Pflanz BPP* 167 (5): 451-457. Ref. 1975

026908 QK710.F5
Temperature-induced phase changes on the kinetics of photosynthetic electron transfer in winter and spring wheat chloroplasts. Feher, M; Devay, M *Biochem Physiol Pflanz BPP* 167 (5): 447-450. 1975

026909 QK710.F5
The influence of 3-amino-1,2,4-triazole (amitrole) on the acid-soluble nucleotides and some other phosphorus compounds in oat seedlings. (Ger) Baumann, G; Gunther, G *Biochem Physiol Pflanz BPP* 167 (5): 399-410. Ref. Eng. Sum. 1975

026910 381 B523
Circular dichroism studies of myoglobin and leghemoglobin [Soybeans]. Nicola, N A; Minasian, E; Appleby, C A; Leach, S J *Biochemistry (Easton)* 14 (23): 5141-5149. Ref. Nov 18, 1975

026911 107.6 K114B
Growth habit of wheat and its related species in relation to sowing time. (Jpn) Nakagama, A; Katayama, T C *Bull Fac Agric Kagoshima Univ* 25: 1-18. Ref. Eng. Sum. Mar 1975

026912 107.6 T5762
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. Yoshida, F; Nomura, C; Nemoto, S *Bull Fac Agric Tamagawa Univ* 14: 1-10. Ref. 1974

026913 S5.B8
Amino acid specters of leaves of cassave clones that are morphologically very different (Manihot esculenta Crantz (=Manihot utilissima Pohl.)). (Fre) Otoul, E *Bull Rech Agron Gembloux* 9 (2): 159-163. Eng. Sum. 1974

026914 S5.B8
Study of relations between different variables of the environmnt and absorption of some oligoelements by the sugarbeet. (Fre) DJillali, H; Conesa, A P; Roux, M; Baillon, P; Lemaire, G; Maginieau, C *Bull Rech Agron Gembloux* 9 (2): 229-245. Ref. Eng. Sum. 1974

026915 505 P21 (3)
Competition or additional effects of nitrogen nutrition by nonsymbiotic and symbiotic means in soybean (Glycine max L. merr). (Fre) Decau, J; Bouniols, A; Lencrerot, P; Puech, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 535-538. Eng. Sum. Sept 1, 1975

026916 505 P21 (3)
Display of two reaction patterns after exposure of barley seeds to gamma radiation of 60Co [cobalt isotope] in air. (Fre) Silvy, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 799-802. Ref. Eng. Sum. Sept 22, 1975

026917 505 P21 (3)
Double chain sequence of RNA obtained through in vitro transcription of wheat DNA by Escherichia coli RNA polymerase. (Fre) Tuffet, A; Huguet, T *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 933-936. Ref. Eng. Sum. Sept 29, 1975

026918 505 P21 (3)
In vitro synthesis of cytokinins in isolated roots of lupine (Lupinus albus L.) treated with leaf extracts. (Fre) Griffaut, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 881-883. Eng. Sum. Sept 29, 1975

026919 505 P21 (3)
New results on anther culture of wheat (triticum aestivum L.) in vitro: conditions of regeneration of haploid plantletsand production of homozygous lines. (Fre) Picard, E; Buyser, J de *C R Hebd Seances Acad Sci, Ser D Sci Nat* 28 (14): 989-992. Eng. Sum. Oct 6, 1975

026920 505 P21 (3)
Observations of additional divisions in pollen grains of homozygous wheat plants (Triticum aestivum L.) obtained by androgenesis in vitro. (Fre) Buyser, J de; Picard, E *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1153-1156. Ref. Eng. Sum. Oct 20, 1975

026921 505 P21 (3)
The heterogeneity of the germination of wheat ear grains. (Fre) Chaussat, R; Bouinot, D *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 527-530. Eng. Sum. Sept 1, 1975

026922 470 C16C
Accumulation of an adcrusting substance in the pigment strand of a diploid and a tetraploid wheat. Zee, S Y *Can J Bot* 53 (19): 2246-2250. Oct 1, 1975

026923 470 C16C
Accumulation of an adcrusting substance in the pigment strand of a diploid and a tetraploid wheat. Zee, S Y *Can J Bot* 53 (19): 2246-2250. Oct 1, 1975

026924 470 C16C
Amino acid transport systems of cultured soybean root cells. King, J; Hirji, R *Can J Bot* 53 (18): 2088-2091. Ref. Sept 15, 1975

026925 470 C16C
An apparent relationship of soluble sugars with hardiness in winter wheat varieties. Green, D G; Ratzlaff, C D *Can J Bot* 53 (19): 2198-2201. Oct 1, 1975

026926 470 C16C
An apparent relationship of soluble sugars with hardiness in winter wheat varieties. Green, D G; Ratzlaff, C D *Can J Bot* 53 (19): 2198-2201. Oct 1, 1975

026927 470 C16C
Comparative changes in hardiness and lipid composition in two near-isogenic lines of wheat (spring and winter) grown at 2 degrees C and 24 degrees C [centigrade]. De Silva, N S; Weinberger, P; Kates, M; De la Roche, I A *Can J Bot* 53 (17): 1899-1905. Ref. Sept 1, 1975

026928 470 C16C
Deuterium isotope effects in Nicotiana tabacum [Tobacco]. Uphaus, R A; Blake, M I; Katz, J J *Can J Bot* 53 (19): 2128-2133. Ref. Oct 1, 1975

026929 470 C16C
Deuterium isotope effects in Nicotiana tabacum [Tobacco]. Uphaus, R A; Blake, M I; Katz, J J *Can J Bot* 53 (19): 2128-2133. Ref. Oct 1, 1975

026930 470 C16C
Development of photoreductive activity in plastids of a virescens mutant of barley. Horak, A; Zalik, S *Can J Bot* 53 (21): 2399-2404. Ref. Nov 1, 1975

026931 470 C16C
Photosynthesis of newly matured leaves during the ontogeny of barley grown at different nutrient levels. Ma, P; Hunt, L A *Can J Bot* 53 (21): 2389-2398. Ref. Nov 1, 1975

026932 470 C16C
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. I. Soluble proteins. (Fre) Rochat, E; Therrien, H P *Can J Bot* 53 (21): 2411-2416. Ref. Eng. Sum. Nov 1, 1975

026933 470 C16C
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and proteins of chloroplasts and membranes. (Fre) Rochat, E; Therrien, H P *Can J Bot* 53 (21): 2417-2424. Ref. Eng. Sum. Nov 1, 1975

026934 470 C16C
Uptake of picloram [herbicide] by roots of alfalfa and barley. Morrison, I N; Vanden Born, W H *Can J Bot* 53 (17): 1774-1785. Ref. Sept 1, 1975

026935 450 C16
Influence of temperature on growth of Froker oats for forage. II. Concentrations and yields of chemical constituents. Smith, D *Can J Plant Sci* 55 (4): 897-901. Ref. Oct 1975

026936 QD241.K453
Essential oil from Artemisia macrocephala. Dudko, V V; Berezovskaya, T P; Usynina, R V *Chem Nat Compd* 10 (1): 107. Jan/Feb 1974 (Transl. 1975)

026937 QD241.K453
Isolation and purification of phenol oxidase from the leaves of the cotton plant. Yunusov, T S; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 142-143. Jan/Feb 1974 (Transl. 1975)

026938 QD241.K453
Isolation of triacetinase from the seeds of the cotton plant. Rakhimov, M M; Dzhanbaeva, N R; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 137-138. Jan/Feb 1974 (Transl. 1975)

026939 QD241.K453
Proteases of the seeds of the cotton plant. II. Separation and purification. Podgornov, G M; Kuchenkova, M A; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 139-140. Jan/Feb 1974 (Transl. 1975)

026940 450 C432
Effect of chilling temperature on the flowering and fruiting stage in the second rice crop. (Chi) *Chih-wu Hsueh-pao* 17 (3): 213-221. Sept 1975

026941 450 C432
Light conditions and their regulation for wheat stand in high yield field. (Chi) Kung, S H *Chih-wu Hsueh-pao* 17 (3): 231-241. Sept 1975

026942 S590.C63
Effect of seed-placed fertilizer on the emergence (germination) of soybeans (Glycine max L.) and snapbeans (Phaseolus vulgaris L.). Hoeft, R G; Walsh, L M; Liegel, E A *Commun Soil Sci Plant Anal* 6 (6): 655-664. 1975

026943 S590.C63
Macronutrient variation in small grain forage as related to specie and variety. Cummins, D G; Bitzer, M J; Nelson, L R *Commun Soil Sci Plant Anal* 6 (6): 599-607. 1975

026944 QK1.C8
Biology of Cyperus kalli (Forssk.) Murb. (Ger) Licht, W *Cuad Bot Canaria* 23/24: 1-14. Ref. Mar 1975

026945 475 SCI23
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, translocation and distribution of 32P [phosphorus isotope] in cotton plants under different light conditions. Ashour, N I; Barakat, R; Nour, T A *Curr Sci* 44 (23): 837-838. Ref. Dec 5, 1975

026946 511 P444AE
Admission of N15 [nitrogen isotope] into the flowering glumes and separate parts of the caryopsis in wheat. Pavlov, A N; Burakaeva, B Kh; Kolesnik, T I *Dokl Bot Sci* 220/222: 26-28. Jan/June 1975

026947 511 P444AE
Biosynthesis of chlorophyll b in a homogenate of green leaves in the dark and under light [Barley]. Shlyk, A A; Vlasenok, L I; Akramovich, N I; Vrubel', S V; Akulovich, E M *Dokl Bot Sci* 220/222: 29-31. Ref. Jan/-June 1975

026948 511 P444AE
Distribution of starch in the vegetative apex of the maize shoot. Dudinskii, YA A *Dokl Bot Sci* 220/222: 13-16. Ref. Jan/June 1975

026949 511 P444AE
On the possibility of using a jointly cultured system of isolated tissues from legumes and nodular bacteria for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. Shamtsyan, M G; Avvakumova, E N; Chailakhyan, M Kh *Dokl Bot Sci* 220/222: 41-44. Jan/June 1975

026950 511 P444AE
Reaction of interruption of darkness by light and growth inhibitors [Tobacco]. Lozhnikova, V N; Chailakhyan, M Kh *Dokl Bot Sci* 220/222: 45-47. Ref. Jan/June 1975

026951 511 P444AE
Thermal disturbance of water balance in wheat in models of natural weather complexes. Al'tergot, V F; Mordkovich, S S *Dokl Bot Sci* 220/222: 3-5. Ref. Jan/June 1975

026952 421 EN895
Dispersal and mating in the field by male pink bollworm, Pectinophora gossypiella, labeled with 32P [phosphorus isotope]. Flint, H M; Wright, B S; Sallam, H A; Horn, B *Entomol Exp Appl* 18 (4): 451-456. Ref. 1975

026953 QP501.E8
Arginine decarboxylase from Lathyrus sativus seedlings: purification and properties. Ramakrishna, S; Adiga, P R *Eur J Biochem* 59 (2): 377-386. Ref. Nov 1975

026954 QP501.E8
Factors affecting the molecular structure and the agglutinating ability of concanavalin A and other lectins [Kidney beans, wheat, soybeans]. Huet, M *Eur J Biochem* 59 (2): 627-632. Ref. Nov 1975

026955 QP501.E8
Luminescence studies of saccharide binding to wheat germ agglutinin (lectin). Privat, J P; Monsigny, M *Eur J Biochem* 60 (2): 555-567. Ref. Dec 1975

026956 S27.A3
Research on [wheat] crop response to shelterbelts and slat-barriers. Frank,. A B; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 2 P. 1975

026957 64.8 H66
Changes in proteins, phosphatase and ribonuclease activity in barley (Hordeum sativum) seeds during germination. (Pol) Wieczorek, E; Morawiecka, B; Kulakowska, M *Hodowla Rosl Aklim Inasiennic* 19 (3): 257-267. Ref. Eng. Sum. 1975

026958 SB215.I5
Factors affecting sugarbeet seed germination in North America. McFarlane, J S *I I R B (Inst Int Rech Better)* 7 (1): 1-9. Ref. 1975

026959 SB215.I5
Field emergence and laboratory germination tests with pelleted sugarbeet seed. (Fre) Hutin, C; Chesneaux, M T; Christmann, M J *I I R B (Inst Int Rech Better)* 7 (1): 33-54. Eng. Sum. 1975

026960 SB215.I5
Observations on the effects of different pelleting processes on the laboratory germination and field emergence of sugarbeet seed. Hibbert, D; Thomson, D C G; Woodwark, W *I I R B (Inst Int Rech Better)* 7 (1): 24-32. 1975

SB110.G8
Drought injury and resistance of crop plants. Larson, K L *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 147-165. Ref. 1975

026961 SB110.G8
Heat unit concept of crop maturity. Iwata, F *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 351-370. Ref. 1975

026962 SB110.G8
Physiological principles of dryland crop production. Arnon, I *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 3-145. Ref. 1975

026963 SB110.G8
Root patterns in [grain] crops as related to water and nutrient uptake. Hurd, E A; Spratt, E D *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 167-235. Ref. 1975

026964 QR1.I53 1974
Ultrastructure of Rhizobia in pure culture and symbiosis [Alfalfa and clover]. Mishustin, E N; Shilnikova, V K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 208-221. 1974 (Pub. 1975)

026965 S3.I5
Germinating capacity of some maize open pollinated varieties, inbreds, hybrids, synthetics and composites in saline substrate. Maliwal, G L; Sanghi, A K; Paliwal, K V; Sharma, H N *Indian J Agric Res* 9 (1/2): 83-86. Mar/June 1975

026966 QP501.I48
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Field crops]. Kadam, S S; Sawhney, S K; Naik, M S *Indian J Biochem* 12 (2): 81-85. Ref. June 1975

026967 QP501.I48
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Wheat, barley, chickpeas, rice]. Kadam, S S; Sawhney, S K; Naik, M S *Indian J Biochem* 12 (2): 81-85. Ref. June 1975

026968 QP501.I48
Partial purification and some properties of dihydrofolate reductase from soybean seedlings. Reddy, V A; Rao, N A *Indian J Biochem* 12 (2): 75-80. Ref. June 1975

026969 QP501.I48
Partial purification and some properties of dihydrofolate reductase from soybean seedlings. Reddy, V A; Rao, N A *Indian J Biochem* 12 (2): 75-80. Ref. June 1975

026970 334.8 IN84
A biosynthesis chamber system for the production of isotopically labeled tobacco. Bass, R T; Jenkins, R W Jr; Newell, G C Jr; Osdene, T S *Int J Appl Radiat Isot* 26 (12): 753-757. Dec 1975

026971 442.9 AK124
Effect of copper on root cell elongation and germinability of seeds of fine-fibered cotton. (Rus) Khallyeva, K; Lemaeva, A M; Shchitaeva, V A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 21-25. Ref. 1975

026972 442.9 AK124
The effect of growth-regulating substances on metabolism of carbohydrates in cotton plant organs. (Rus) Agakishiev, D; Bazanova, T B; Kovalenko, G I *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 15-20. Ref. Eng. Sum. 1975

026973 381 J8223
Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, calcium, and zinc in wheat during maturation. Nahapetian, A; Bassiri, A *J Agric Food Chem* 23 (6): 1179-1182. Ref. Nov/Dec 1975

026974 381 J8223
Cycocel plant growth regulant: Fate of carbon-14 chlorocholine chloride in sugarcane grown in Hawaii. Marei, A H; Higham, J W; Blinn, R C *J Agric Food Chem* 23 (6): 1118-1120. Nov/Dec 1975

026975 381 J8223
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. Mladenova, Y I *J Agric Food Chem* 23 (6): 1144-1146. Nov/Dec 1975

026976 381 J824
Glycoprotein biosynthesis in plants: Demonstration of lipid-linked oligosaccharides of mannose and N-acetylglucosamine [Cotton]. Forsee, W T; Elbein, A D *J Biol Chem* 250 (24): 9283-9293. Ref. Dec 25, 1975

026977 442.8 J828
Influence of concanavalin A, wheat germ agglutinin, and soybean agglutinin on the fusion of myoblasts in vitro. Den, H; Malinzak, D A; Keating, H J; Rosenberg, A *J Cell Biol* 67 (3): 826-834. Ref. Dec 1975

026978 390.08 H12
Effect of initial kLa [volumetric oxygen-transfer coefficient] on the growth of tobacco cells in batch culture. Kato, A; Shimizu, Y; Nagai, S *J Ferment Technol* 53 (10): 744-751. Ref. Oct 1975

026979 448.3 J823
Quantitative and qualitative studies of phylloplane bacteria from Lolium perenne. Dickinson, C H; Austin, B; Goodfellow, M *J Gen Microbiol* 91 (1): 157-166. Ref. Nov 1975

026980 56.9 IN2
Effect of sulphur and phosphorus application on soil characteristics, nutrient uptake and yield of wheat crop. Joshi, D C; Seth, S P *J Indian Soc Soil Sci* 23 (2): 217-221. June 1975

026981 QH201.J6
X-ray microanalysis in botany [Barley]. Lauchli, A *J Microsc Biol Cell* 22 (2/3): 433-439. Ref. Mar/Apr 1975

026982 381 J827
Isolation and structure of 1-hydroxy-7-methoxy-4-isopropyl-1,6-dimethyl-2(1H)-naphthalenone from cotton. Jeffs, P W; Lynn, D G *J Org Chem* 40 (20): 2958-2960. Ref. Oct 3, 1975

026983 396.9 P49
The study of the aqueous extract of Pueraria [kudzu] radix. I. The preparation and the components of the active extract. (Jpn) Nakamoto, H; Miyamura, S; Inada, K; Nakamura, N *J Pharm Soc Jap* 95 (9): 1123-1127. Eng. Sum. Sept 1975

026984 396.9 P49
The study of the aqueous extract of Pueratiae [kudzu] radix. II. The biological difference between the active extract (MTF-101) and acetylcholine. (Jpn) Namakoto, H; Saito, H; Iwasaki, Y *J Pharm Soc Jap* 95 (9): 1128-1132. Eng. Sum. Sept 1975

026985 382 SO12
Changes in cell-wall carbohydrates and lignin of some forage-type millets [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. Bhatia, I S; Singh, R; Dogra, K K; Dua, S *J Sci Food Agric* 26 (9): 1391-1398. Ref. Sept 1975

026986 382 SO12
Physiological aspects of nitrate utilisation in a barley variety exhibiting high seed protein content. Edgar, K F; Draper, S R *J Sci Food Agric* 26 (9): 1311-1318. Ref. Sept 1975

026987 410 J827
Nutrient content of mule deer diets [Forage] from ponderosapine range. Urness, P J; Neff, D J; Vahle, J R *J Wildl Manage* 39 (4): 670-673. Ref. Oct 1975

026988 18 L2353
Stress-strain behavior of single grass stalks. (Ger) Ahlgrimm, H J *Landbauforsch Volkenrode* 24 (2): 105-110. Eng. Sum. Dec 1974

026989 QP751.L5
Conversion of linoleic acid hydroperoxide by soybean lipoxygenase in the presence of guaiacol: identification of the reaction products. Streckert, G; Stan, H J *Lipids* 10 (12): 847-854. Ref. Dec 1975

026990 S542.A1N45
Seasonal distribution of pasture production in New Zealand. IV. Westport and Motueka. Radcliffe, J E *N Z J Exp Agric* 3 (3): 239-246. Maps. Ref. Sept 1975

026991 S542.A1N45
Seasonal distribution of pasture production in New Zealand. V. Gisborne Plains. Radcliffe, J E; Sinclair, D P *N Z J Exp Agric* 3 (3): 247-251. Map. Sept 1975

026992 S542.A1N45
Seasonal distribution of pasture production in New Zealand. VI. Wairakei, pasture and lucerne production. Baars, J A; Radcliffe, J E; Brunswick, L *N Z J Exp Agric* 3 (3): 253-258. Map. Ref. Sept 1975

026993 410 N216
Variability of total nitrogen content of 18 genotypes of meadow timothy (Phleum pratense L.). (Fre) St-Pierre, J C *Nat Can* 102 (3): 331-338. Ref. Eng. Sum. May/June 1975

026994 60.9 J27
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. (Jpn) Okubo, T; Kawanabe, S; Hoshino, M *Nippon Sochi Gakkai Shi* 21 (2): 124-135. Ref. Eng. Sum. July 1975

026995 60.9 J27
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. (Jpn) Okubo, T; Kawanabe, S; Hoshino, M *Nippon Sochi Gakkai Shi* 21 (2): 136-145. Ref. Eng. Sum. July 1975

026996 60.9 J27
Dormancy breaking in the light-sensitive seeds in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. (Jpn) Shimizu, N; Ikegaya, F; Tajima, K *Nippon Sochi Gakkai Shi* 21 (2): 79-85. Ref. Eng. Sum. July 1975

026997 60.9 J27
Effect of coumarins on germination and growth of some forage grasses and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. Mino, Y; Kawabe, M; Idonuma, T *Nippon Sochi Gakkai Shi* 21 (2): 91-95. Ref. Eng. Sum. July 1975

026998 QD341.A2N8
Partial purification and characterization of two cytoplasmic DNA polymerases from ungerminated wheat. Castroviejo, M; Tarrago-Litvak, L; Litvak, S *Nucleic Acids Res* 2 (11): 2077-2090. Ref. Nov 1975

026999 77.8 OL2
Amino acid and fatty acid composition of chlorophyll-deficient mutants in peanuts Arachis hypogaea L. Tai, Y P; Young, C T; Kirby, J S *Oleagineux* 30 (8/9): 365-368. Ref. Aug/Sept 1975

027000 QH491.O5
Dynamic characteristics of growth of the plant root system and methods of their determination [Oats, barley]. (Rus) Frid, A S *Ontogenez* 6 (4): 381-388. Eng. Sum. 1975

027001 382 P56
A linear dichroism study using chloroplasts of various structure and pigment composition [Maize]. Faludi-Daniel, A; Breton, J *Photochem Photobiol* 22 (3/4): 125-127. Ref. Sept/Oct 1975

027002 382 P56
Photocontrol of phytochrome destruction in grass [oats, maize] seedlings. The influence of wavelength and irradiance. Schafer, E; Lassig, T U; Schopfer, P *Photochem Photobiol* 22 (5): 193-202. Ref. Nov 1975

027003 450 P5623
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and malate dehydrogenase during ageing of wheat leaves. (Fre) Lauriere, C; Skakoun, A; Daussant, J *Physiol Veg* 13 (3): 467-478. Ref. Eng. Sum. July/Sept 1975

027004 450 P5623
Studies on the bonding states of the chlorophylls in freezedried [wheat] chloroplast lamellae by use of various solvents. (Fre) Deroche, M E; Carrayol, E; Costes, C *Physiol Veg* 13 (3): 349-368. Ref. Eng. Sum. July/Sept 1975

027005 450 P5623
The changes of adenylate energy charge in wheat leaves during anoxia, study of their reversibility. (Fre) Sellami, A; Bomsel, J L *Physiol Veg* 13 (3): 611-617. Ref. Eng. Sum. July/Sept 1975

450 P5622
Anthocyanin inheritance in petals of flax, Linum usitatissimum. Dubois, J A; Harborne, J B *Phytochemistry* 14 (11): 2491-2494. Ref. Nov 1975

027006 450 P5622
Distribution of cadaverine and other amines in higher plants [Legumes, barley]. Smith, T A; Wilshire, G *Phytochemistry* 14 (11): 2341-2346. Ref. Nov 1975

027007 450 P5622
Effect of pyridoxal phosphate and cysteine on delta-aminolaevulinate synthetase and dehydratase in soya. Barreiro, O L C de *Phytochemistry* 14 (10): 2165-2168. Ref. Oct 1975

450 P5622
Effect of [herbicide] molecules with hormonal properties on phenylalanine ammonia lyase activity [in tobacco and wheat]. (Fre) Vallee, J C; Paynot, M; Martin, C; Vansuyt, G; Prevost, J *Phytochemistry* 14 (10): 2147-2151. Ref. Eng. Sum. Oct 1975

027008 450 P5622
Inhibition of phosphate uptake in barley roots by hydroxy-benzoic acids. Glass, A D M *Phytochemistry* 14 (10): 2127-2130. Ref. Oct 1975

027009 450 P5622
Properties of peroxidases from tobacco cell suspension culture. Shinshi, H; Noguchi, M *Phytochemistry* 14 (10): 2141-2144. Ref. Oct 1975

027010 450 P5622
RNA polymerase from opaque-2 and normal Zea mays [maize] endosperm. Mehta, S L; Lodha, M L; Naik, M S; Singh, J *Phytochemistry* 14 (10): 2145-2146. Ref. Oct 1975

027011 450 P5622
Succinyl-CoA synthestase in greening maize leaves. Fluhr, R; Harel, E *Phytochemistry* 14 (10): 2157-2160. Ref. Oct 1975

027012 450 P5622
Synthesis and anticytokinin activity of 4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines [Tobacco]. Iwamura, H; Ito, T; Kumazawa, Z; Ogawa, Y *Phytochemistry* 14 (11): 2317-2321. Ref. Nov 1975

027013 450 P5622
The biosynthesis of delta-aminolevulinic acid in greening maize leaves. Meller, E; Belkin, S; Harel, E *Phytochemistry* 14 (11): 2399-2402. Ref. Nov 1975

027014 450 P692
A mathematical treatment of rate data obtained in biological flow systems under non-steady state conditions [Cotton explant]. Marynick, D S; Marynick, M C *Plant Physiol* 56 (5): 680-683. Ref. Nov 1975

027015 450 P692
A rapid technique for the estimation of polynucleotide adenylyltransferase and ribonucleic acid polymerase in plant tissues [Maize]. Walter, T J; Mans, R J *Plant Physiol* 56 (6): 821-825. Ref. Dec 1975

027016 450 P692
Asparagine metabolism—key to the nitrogen nutrition of developing legume seeds [White lupins]. Atkns, C A; Pate, J S; Sharkey, P J *Plant Physiol* 56 (6): 807-812. Ref. Dec 1975

027017 450 P692
Association of phytochrome with rough-surfaced endoplasmic reticulum fractions from soybean hypocotyls. Williamson, F A; Morre, D J; Jaffe, M J *Plant Physiol* 56 (6): 738-743. Ref. Dec 1975

027018 450 P692
Determination of unfrozen water in winter cereals at subfreezing temperatures [Wheat, rye]. Gusta, L V; Burke, M J; Kapoor, A C *Plant Physiol* 56 (5): 707-709. Ref. Nov 1975

027019 450 P692
Effect of altered pO2 [oxygen 1 percentage] in the aerial part of soybean on symbiotic N2 [nitrogen] fixation. Quebedeaux, B; Havelka, U D; Livak, K L; Hardy, R W F *Plant Physiol* 56 (6): 761-764. Ref. Dec 1975

027020 450 P692
Effect of gibberellic acid on the plasticity and elasticity of Avena [sativa, oats] stem segments. Adams, P A; Montague, M J; Tepfer, M; Rayle, D L; Ikuma, H; Kaufman, P B *Plant Physiol* 56 (6): 757-760. Ref. Dec 1975

027021 450 P692
Effect of temperature on respiration of mitochondria and shoot segments from cold-hardened and nonhardened wheat and rye seedlings. Pomeroy, M K; Andrews, C J *Plant Physiol* 56 (5): 703-706. Ref. Nov 1975

027022 450 P692
Energy supply and light-enhanced chloride uptake in wheat laminae. MacDonald, I R; Maclon, A E S; MacLeod, R W G *Plant Physiol* 56 (5): 699-702. Ref. Nov 1975

027023 450 P692
Evidence for ammonium-dependent de novo synthesis of glutamate dehydrogenase in detached oat leaves. Barash, I; Mor, H; Sadon, T *Plant Physiol* 56 (6): 856-858. Ref. Dec 1975

027024 450 P692
Mechanical inhibition of hypocotyl elongation induces radial enlargement [in soybean seedlings]; implications for cytokinin action. Victor, T S; Vanderhoef, L N *Plant Physiol* 56 (6): 845-846. Dec 1975

027025 450 P692
Nitrate uptake and induction of nitrate reductase in excised corn roots. Neyra, C A; Hageman, R H *Plant Physiol* 56 (5): 692-695. Ref. Nov 1975

027026 450 P692
Occurrence of some enzymes in starchy endosperm and hormonal regulation of isoperoxidase in aleurone of wheat. Tao, K L; Khan, A A *Plant Physiol* 56 (6): 797-800. Ref. Dec 1975

027027 450 P692
Photoautotrophic growth and photosynthesis in tobacco callus cells. Berlyn, M B; Zelitch, I *Plant Physiol* 56 (6): 752-756. Ref. Dec 1975

027028 450 P692
Promotion of sorghum callus growth by the s-triazine herbicides. Nadar, H M; Clegg, M D; Maranville, J W *Plant Physiol* 56 (6): 747-751. Ref. Dec 1975

027029 450 P692
Purification of myo-inositol 1-phosphate synthase from rice cell culture by affinity chromatography. Funkhouser, E A; Loewus, F A *Plant Physiol* 56 (6): 786-790. Ref. Dec 1975

027030 450 P692
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in Avena [oats] coleoptile segments. Haschke, H P; Luttge, U *Plant Physiol* 56 (5): 696-698 Ref. Nov 1975

027031 450 P692
Studies with detached lupin root nodules in culture. I. Maintenance and induction of acetylene reduction activity [Rizobium]. Sutton, W D; Jepsen, N M *Plant Physiol* 56 (5): 665-670. Ref. Nov 1975

027032 450 P692
Temperature regulation of germination in crimson clover seeds. Ching, T M *Plant Physiol* 56 (6): 768-771. Ref. Dec 1975

027033 QK1.P5
Development of mitochondrial enzyme activities in germinating maize scutellum. Longo, G P; Longo, C P *Plant Sci Lett* 5 (5): 339-346. Ref. Nov 1975

027034 QK1.P5
Gibberellin-affected methylation and synthesis of ribosomal RNA in isolated maize seed scutellum. Jankowski, J; Wielgat, B; Kleczkowski, K *Plant Sci Lett* 5 (5): 347-350. Ref. Nov 1975

027035 QK1.P5
Sterol composition of plasma membrane enriched fractions from maize coleoptiles. Hartmann, M A; Normand, G; Benveniste, P *Plant Sci Lett* 5 (5): 287-292. Ref. Nov 1975

027036 450 P693
Patterns of nitrogen utilization in the soybean. Thibodeau, P S; Jaworski, E G *Planta* 127 (2): 133-147. Ref. 1975

027037 450 P693
Studies on the secretion of maize root-cap slime. III. Histochemical and autoradiographic localization of incroporated fucose. Paull, R E; Jones, R L *Planta* 127 (2): 97-110. Ref. 1975

027038 79.9 N213
Laboratory germination of barley grass. Popay, A I *Proc N Z Weed Pest Control Conf* 28th: 7-11. Ref. 1975

027039 79.9 N213
The tolerance of oil seed rape to herbicides. Meeklah, F A; Mitchell, R B; Butel, J C *Proc N Z Weed Pest Control Conf* 28th: 35-38. 1975

027040 442.8 P94
Induction of haploid tobacco plants from isolated pollen. Reinert, J; Bajaj, Y P S; Heberle, E *Protoplasma* 84 (1/2): 191-196. Ref. 1975

027041 100 IN2P (1)
Environmental physiology, modeling and simulation of alfalfa growth. Conceptual development of SIMED [Simulation of Medicago]. Holt, D A; Bula, R J; Miles, G E; Schreiber, M M; Peart, R M; Indiana Agricultural Experiment Station *Res Bull Purdue Univ Agric Exp Stn* 907, 26 P. Ref. July 1975

027042 20.5 R59 SER. C
Morphological, physical and chemical features of red clover, important for the drying process. (Pol) Jasinska, Z; Malarz, W *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 117-130. 1975

027043 SB117.S455
Classification of Dactylis glomerata florets based on caryopsis size [seed germination test]. Felfoldi, E M *Seed Sci Technol* 3 (2): 499-502. 1975

027044 61.9 SE5
A device for the analysis of seed germination capacity. (Rus) Prokhorov, V A; Pavlenko, IU E *Sel Semenovod (Mosk)* 3: 54-55. May/-June 1975

027045 61.9 SE5
The role of epicotyl roots of maize. (Rus) Zhun'ko, V S; Dranishchev, N I *Sel Semenovod (Mosk)* 3: 75. May/June 1975

027046 61.9 SE5
Variability of protein content in spring vetch and peas for forage. (Rus) Morozov, P V; Morozova, G D; Demina, L I *Sel Semenovod (Mosk)* 4: 36-37. Jul/Aug 1975

027047 56.8 SO3
Soil temperature and soil aeration effects on concentrations and total amounts of nutrients in 'Yecora' wheat grain. Labanauskas, C K; Stolzy, L H; Luxmoore, R J *Soil Sci* 120 (6): 450-454. Ref. Dec 1975

027048 56.8 SO38
Behavior of phenolic substances in the decaying process of plants. II. Changes of phenolic substances in the decaying process of rice straw under various conditions. Shindo, H; Kuwatsuka, S *Soil Sci Plant Nutr* 21 (3): 215-225. Ref. Sept 1975

027049 56.8 SO38
Relaionship between the change in the chloroplastic nitrogen fractions and the rate of oxygen evolution in rice plants. Morita, K; Kono, M *Soil Sci Plant Nutr* 21 (3): 263-271. Ref. Sept 1975

027050 56.8 SO38
Translocation and some forms of germanium in rice plants. Matsumoto, H; Syo, S; Takahashi, E *Soil Sci Plant Nutr* 21 (3): 273-279. Sept 1975

027051 SB215.S8
Floral initiation in sugarcane at Coimbatore—latitude 11 degrees N. Singh, S; Reddy, M S *Sugarcane Breed Newsl* 35: 50-51. Mar 1975

027052 SB215.S8
Preliminary notes on the leaf waxes of Saccharum officinarum [sugarcane] and related species. Smith, R M; Martin-Smith, M *Sugarcane Breed Newsl* 35: 52-54. Ref. Mar 1975

027053 100 H313T
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to chemical inhibitors. Macdonald, T; Brewbaker, J L; Hawaii Agricultural Experiment Station *Tech Bull Hawaii Agric Exp Stn Univ Hawaii* 89. 24 P. Ref. Feb 1975

027054 22.5 T574
Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of nitrogen by rice plants. Shoji, S; Nogi, T *Tohoku J Agric Res* 26 (1): 1-6. July 1975

027055 290.9 AM32T
SOYMOD I: A dynamic simulator of soybean growth and development [Computer simulation model]. Curry, R B; Baker, C H; Streeter, J G *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 963-968, 974. Ref. Sept-/Oct 1975

027056 AS21.A75U5
Growth and fruiting of two Pima cottons. Butler, G D Jr; Kittock, D L; Pinkas, L L H; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 28, 24 P. Aug 1975

027057 64.8 Z12
Biological bases [growth, flowering] for applied biological control of winter rape. (Cze) Fabry, A; Hannich, K *Uroda* 23 (4): 141-143. Apr 1975

027058 64.8 Z12
How our main [field] crops use solar energy. (Cze) Hruska, L; Bednarova, E; Janicek, J *Uroda* 23 (4): 145. Apr 1975

027059 64.8 Z12
Wintering of new first-class varieties of winter rape. (Cze) Scholz, J *Uroda* 23 (5): 177-179. May 1975

027060 20 V82
Effect of the level of nitrogen nutrition on yield and quality of planted grass stands. (Ukr) Levkovs'kyi, A M; Solonenko, M M; Krapyva, A P *Visn Sil's'kohospod Nauki* 9: 65-68. Sept 1975

027061 18 J825
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. (Ger) Geisler, G; Maarufi, D *Z Acker Pflanzenbau* 141 (3): 211-230. Ref. Eng. Sum. Oct 1975

027062 18 J825
The response of cell sap concentration and water content in cotton leaves to different combinations of soil salinity and nitrogen levels. Gabr, A I; el-Saidi, M T; el-Kadi, M; Kortam, M A *Z Acker Pflanzenbau* 141 (3): 197-204. Ref. Oct 1975

027063 450 Z32
On the formation of the pattern of crystal idioblasts in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of calcium nutrition. Zindler-Frank, E *Z Pflanzenphysiol* 77 (1): 80-85. Ref. 1975

027064 450 Z32
Rapid method for assessing potential net photosynthesis in plant leaves [Cereals]. Kaul, R *Z Pflanzenphysiol* 77 (1): 75-79. 1975

027065 450 Z32
Red light effect on asp-U-14C [carbon isotope] incorporation in the soluble fraction of Zea mays L. Anagnostaki, E; Margaris, N S *Z Pflanzenphysiol* 77 (1): 86-88. 1975

027066 49 Z6
Mowing dates of clover and clover-timothy [Phleum] mixtures[and relation to their chemical composition]. (Rus) Grigor'eva, M S *Zhivotnovodstvo* 6: 35-37. June 1975

PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

027067 450 AC824
Distribution of bound auxins in kernels of sweet corn (Zea mays L.). Piskornik, Z *Acta Biol Cracov, Ser Bot* 18 (1): 1-12. Ref. 1975

027068 QH301.A25
On the preparation of the component B lectin from the hemagglutinin of Lens culinaris [Lentils]. (Ger) Feuerstein, H; Stibenz, D *Acta Biol Med Ger* 34 (9): 1549-1552. Eng. Sum. 1975

027069 450 AC822
Cuttings from the phyllomorph of Streptocarpus wendlandii Sprenger [Growth]. (Fre) Dubuc-Lebreux, M A; Vieth, J *Acta Bot Neerl* 24 (3/4): 305-313. Ref. Eng. Sum. June/Aug 1975

027070 80 AC82
Ca [calcium]-uptake and -translocation by plants with special regard to apple trees. Link, H *Acta Hortic* 45: 53-60. Nov 1974

027071 80 AC82
Carbohydrate changes in tulip bulbs during storage and forcing. Davies, J N; Kempton, R J *Acta Hortic* 47: 353-363. Ref. June 1975

027072 80 AC82
Cold requirements of tulips for earliest flowering. Rees, A R; Briggs, J B *Acta Hortic* 47: 209-214. June 1975

027073 80 AC82
Dormancy of seeds as compared with dormancy of bulbs in tulips. Fortanier, E J; Brenk, G van *Acta Hortic* 47: 331-338. Ref. June 1975

027074 80 AC82
Extractability of gibberellin-like substances from tulips grown at two temperatures in either the light or dark. Alpi, A; De Hertogh, A A *Acta Hortic* 47: 297-305. Ref. June 1975

027075 80 AC82
Fertilizing and liming—factors influencing uptake of trace elements by ornamental plants grown in peat substrate. Haber, Z *Acta Hortic* 50: 115-118. May 1975

027076 80 AC82
Flowering and bulb growth of Nerine bowdenii. Sytsema, W *Acta Hortic* 47: 241-249. Ref. June 1975

027077 80 AC82
Growth and flowering responses of Lilium longiflorum to bulb and shoot light and temperature treatments. Roh, S M; Wilkins, H F *Acta Hortic* 47: 215-224. June 1975

027078 80 AC82
Hormonal regulation of tuberization in Dahlia. Halevy, A H; Biran, I *Acta Hortic* 47: 319-329. Ref. June 1975

027079 80 AC82
Micronutrient requirements of chrysanthemums grown on peat substrates. Smilde, K W *Acta Hortic* 50: 101-113. Ref. May 1975

027080 80 AC82
Predicting bulb size and maturity in Lilium longiflorum Thunb. cultivars [Varieties]. Roberts, A N; Tomasovic, B J *Acta Hortic* 47: 339-345. June 1975

80 AC82
Radiation absorption of canopy rows [in a greenhouse climate]. Stoffers, J A *Acta Hortic* 46: 91-95. Apr 1975

027081 80 AC82
Studies on the possibility of delaying flowering of tulip. Le Nard, M *Acta Hortic* 47: 251-258. June 1975

027082 80 AC82
The effect of cold treatment on protein patterns and enzymes in tulip bulbs. Hobson, G E *Acta Hortic* 47: 377-382. Ref. June 1975

027083 80 AC82
The effect of decortication of seed on germination and the number of nucellar seedlings of some mango cultivars in Ghana. Sinnadurai, S *Acta Hortic* 49: 95-97. July 1975

027084 80 AC82
The effect of GA3 [gibberellic acid], Alar and CCC [2chloroethyl trimethylammonium chloride] on citrus cuttings. Lenz, F; Karnatz, A *Acta Hortic* 49: 147-155. Ref. July 1975

027085 80 AC82
The effect of storage temperature on carbohydrate interconversion in tulip bulbs. Haaland, E; Wickstrom, A *Acta Hortic* 47: 371-376. Ref. June 1975

027086 80 AC82
The effects on growth and flowering of the chemical growth regulators ethephon on Narcissus and ancymidol on tulip. Briggs, J B *Acta Hortic* 47: 287-296. June 1975

027087 80 AC82
The function of calcium in the cell and in the subcellular units of apple fruit. Bangerth, F *Acta Hortic* 45: 43-47. Nov 1974

027088 80 AC82
The influence of flowering compounds on 'Sugarloaf' pineapple (Ananas comosus (L.) Merr.) in Ghana. Norman, J C *Acta Hortic* 49: 157-165. Ref. July 1975

027089 80 AC82
The influence of bulb harvest dates, temperature treatments and growth substances on the ontogeny of Lilium longiflorum. Lin, W C; Wilkins, H F *Acta Hortic* 47: 225-233. Ref. June 1975

027090 80 AC82
The influence of duration of warm, cold-dry and cold-moist storage on development and flowering of Freesia plants. Alpi, A; Tognoni, F; Bragoni, G; Ceccarelli, N *Acta Hortic* 47: 259-266. Ref. June 1975

027091 80 AC82
The influence of storage temperature and 2-chloroethylphosphonic acid (ethephon) on shoot elongation and flowering in tulips. Moe, R; Hagness, A K *Acta Hortic* 47: 307-318. Ref. June 1975

027092 451 SO16
Activity of aminotransferase in tomato seedlings depending on Ca: Mg [calcium: magnesium] ion ratio in the nutrient medium. Kubik-Dobosz, G *Acta Soc Bot Pol* 44 (3): 423-432. 1975

027093 451 SO16
Conformational changes in spinach (Spinacia oleracea) leaves chloroplasts in vivo [when exposed to red or blue light]. Godziemba-Czyz, J *Acta Soc Bot Pol* 44 (2): 277-287. 1975

027094 451 SO16
Cytochemical investigations of the megasporocyte and embryo sac in Lilium regale at various stages of development. Marciniak, K *Acta Soc Bot Pol* 44 (3): 335-347. Ref. 1975

027095 451 SO16
Influence of hypoxia on protoplast structure in the plant cell [of onion and of Tradescantia bracteata]. Podbielkowska, M; Borys, B *Acta Soc Bot Pol* 44 (3): 369-375. Ref. 1975.

027096 451 SO16
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. Tarkowska, J A; Matuszewska, D *Acta Soc Bot Pol* 44 (3): 451-460. Ref. 1975

027097 451 SO16
The effect of 3-indolylacetic acid on the accumulation of starch in the root tissue of Cichorium intybus L. [Chicory] cultured in vitro. Sobczyk, U; Szweykowska, A *Acta Soc Bot Pol* 44 (2): 297-303. 1975

027098 385 AG8B
Effect of gamma-irradiation on development of lachrymator of onion. Nishimura, H; Mizutani, J *Agric Biol Chem* 39 (11): 2245-2246. Nov 1975

027099 385 AG8B
Metabolism of isoxathion, O,O-diethyl O-(5-phenyl-3-isoxazolyl)-phosphorothionate in plants [beans, cabbage, Chinese cabbage]. Ando, M; Iwasaki, Y; Nakagawa, M *Agric Biol Chem* 39 (11): 2137-2143. Ref. Nov 1975

027100 107.6 SA13
Precocious flowering of citrus seedlings. 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the flower organs. (Jpn) Iwamasa, M; Oba, Y *Agric Bull Saga Univ* 39: 45-56. Ref. Eng. Sum. Aug 1975

027101 22.5 N682
Fruiting problems of fruit trees. 25. [Grapes, strawberries, citrus]. (Jpn) Nakagawa, S *Agric Hortic* 50 (6): 815-820. June 1975

027102 4 AM34P
Advection modification of the Priestley and Taylor evaportranspiration formula [Irrigated potatoes, alfalfa]. Jury, W A; Tanner, C B *Agron J* 67 (6): 840-842. Nov/Dec 1975

027103 4 AM34P
Cold hardening and carbohydrate composition of Meyer Zoysia [japonica]. Rogers, R A; Dunn, J H; Nelson, C J *Agron J* 67 (6): 836-838. Nov/Dec 1975

027104 4 AM34P
Procedure for evaluating the biological degradation of turfgrass thatch [Festuca rubra]. Martin, D P; Beard, J B *Agron J* 67 (6): 835-836. Nov/Dec 1975

027105 4 AM34P
Spotted response of overseeded ryegrass [Lolium perenne] tosulfur-coated urea [Turfgrasses, fertilizers]. Volk, G M *Agron J* 67 (6): 838-840. Nov/Dec 1975

027106 4 AM34P
Yield response to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of energy production waste waters]. Rykbost, K A; Boersma, L; Mack, H J; Schmisseur, W E *Agron J* 67 (6): 738-743. Nov/Dec 1975

027107 SB13.L32
Carbohydrate relations of pecan [Carya illinoensis (Wang.) K. Koch) stem cuttings. Smith, I E; Wolstenholme, B N; Allan, P *Agroplantae* 7 (3): 61-66. Ref. Sept 1975

450 AM36
Distribution of enzymatic browning of young shoot homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. Esen, A; Scora, R W *Am J Bot* 62 (10): 1078-1083. Nov/Dec 1975

027108 390.9 AM33
Volatile constituents of grape leaves. I. Vitis vinifera variety 'Chenin Blanc'. Wildenradt, H L; Christensen, E N; Stackler, B; Caputi, A Jr; Slinkard, K; Scutt, K *Am J Enol Vitic* 26 (3): 148-153. Ref. 1975

027109 80 AM329
Induction of keikis [lateral shoots] on Ascocendas [a monopodial orchid] by cytokinin. Kunisakp, J T *Am Orchid Soc Bull* 44 (12): 1066-1067. Dec 1975

027110 80 AM329
The pollination of bulbophyllum longiflorum Thouars. Jones, D L; Gray, B *Am Orchid Soc Bull* 45 (1): 15-17. Jan 1976

027111 80 AM329
The reproductive biology of the epiphytic orchids of Florida. II. A method for observing night-pollination. Adams, R M; Goss, G J *Am Orchid Soc Bull* 44 (12): 1091-1093. Dec 1975

027112 75.8 P842
Water usage by potato plants at different stages of growth. Nelson, S H; Hwang, K E *Am Potato J* 52 (11): 331-339. Nov 1975

027113 381 AN13
A spectrophotometric assay for trans-cinnamic acid 4-hydroxylase activity [Potatoes]. Lamb, C J; Rubery, P H *Anal Biochem* 68 (2): 554-561. Ref. Oct 1975

027114 381 AN13
Fat metabolism in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a complex lipid mixture [Potatoes]. Mancha, M; Stokes, G B; Stumpf, P K *Anal Biochem* 68 (2): 600-608. Oct 1975

027115 450 AN4
Influnce of SO2 [sulphur dioxide] on the vitamine content of plants [Tomato, pea, lettuce]. (Ger) Unzicker, H J; Jager, H J; Steubing, L *Angew Bot* 49 (3/4): 131-139. Ref. Eng. Sum. Nov 1975

027116 450 AN4
The starch content of chloroplasts in fruit-bearing and nonfruit-bearing eggplants and strawberries. (Ger) Hoffmann, E; Mix, G; Lenz, F *Angew Bot* 49 (3/4): 115-121. Ref. Eng. Sum. Nov 1975

027117 16 T63
Attempt at hastening the ripening of the berries of two redpepper cultivars by using 2-chloroethylphosphonic acid [Growth substances]. (Ita) Nassi, M O *Ann Accad Agric Torino* 116: 119-127. Ref. Eng. Sum. 1973/1974

SF521.A64
Study of the Andrena carantonica behavior during the blooming of the Golden Delicious apple trees [Apoidea, pollination]. (Fre) Chansigaud, J *Apidologie* 6 (4): 341-359. Ref. Eng. Sum. 1975

S900.A8
To pollinate an orchid [Orchidaceae, insect pollinators]. Dowden, A O *Audubon* 77 (5): 40-47. Sept 1975

027118 23 AU783
Effects of dormancy factors on the growth of vegetative buds of young apple trees [Chilling requirements]. Thompson, W K; Jones, D L; Nichols, D G *Aust J Agric Res* 26 (6): 989-996. Ref. Nov 1975

027119 QK710.A9
A reappraisal of the growth and development of peach fruit. Chalmers, D J; Ende, B van den *Aust J Plant Physiol* 2 (4): 623-634. Ref. Dec 1975

027120 QK710.A9
Internal control of stomatal physiology and photosynthesis. II. Photosynthetic responses to phaseic acid [Grapes]. Kriedemann, P E; Loveys, B R; Downton, W J A *Aust J Plant Physiol* 2 (4): 553-567. Ref. Dec 1975

027121 QK710.A9
Long distance transport of potassium in intact peanut seedlings: effect of sodium and ouabain. Singh, J; Dieckert, J W *Aust J Plant Physiol* 2 (4): 453-459. Ref. Dec 1975

027122 QK710.A9
Photosynthesis in relation to growth and distribution of fruit in peach trees. Chalmers, D J; Canterford, R L; Jerie, P H; Jones, T R; Ugalde, T D *Aust J Plant Physiol* 2 (4): 635-645. Ref. Dec 1975

027123 QK710.A9
Precipitation reactions between components of plant tissue extracts [Jackbeans, kidney beans, pigeon peas]. Jermyn, M A *Aust J Plant Physiol* 2 (4): 533-542. Dec 1975

027124 QK710.A9
Productivity of vegetable crops in a region of high solar input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). Sale, P J M *Aust J Plant Physiol* 2 (4): 461-470. Ref. Dec 1975

027125 382 B52
The activation of non-phosphorylating electron transport by adenine nucleotides in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. Sotthibandhu, R; Palmer, J M *Biochem J* 152 (3): 637-645. Ref. Dec 1975

027126 QK710.F5
Estimation of ethylene produced by pea (Pisum sativum L.) plants inhibited with auxin and treated with cytokinin. Hradilik, J *Biochem Physiol Pflanz BPP* 167 (5): 459-461. Ref. 1975

027127 QK710.F5
Influnece of the culture method on the phytohormone excretion of pea roots. (Ger) Tietz, A *Biochem Physiol Pflanz BPP* 167 (5): 371-378. Ref. Eng. Sum. 1975

027128 QK710.F5
Intracellular localization and some properties of two aldehyde oxidase isoenzymes (EC 1.2.3.1) in potato tubers (Solanum tuberosum). Rothe, G M *Biochem Physiol Pflanz BPP* 167 (5): 411-418. Ref. 1975

027129 QK710.F5
Investigation on the long distance transport of some foliar applied 14C [carbon isotope]-labeled amino acids [Kidney beans]. (Ger) Schiller, R; Martin, P *Biochem Physiol Pflanz BPP* 167 (5): 427-438. Ref. Eng. Sum. 1975

027130 QK710.F5
Time-course of 14C [carbon isotope]-sucrose translocation by successive leaves of Hibiscus esculentus L. (Okra). Adedipe, N O *Biochem Physiol Pflanz BPP* 167 (5): 419-426. Ref. 1975

027131 385 B523AE
Effect of phospholipase A on spectral and photochemical properties of chloroplasts and their fragments [Peas]. Ostrovskaya, L K; Kochubei, S M; Shadchina, T M *Biochemistry (N Y)* 40 (1, Pt. 2): 143-147. Ref. Jan/-Feb 1975

027132 385 B523AE
Effect of vitamin K3 on photosynthetic electron transport [Peas]. Krendeleva, T E; Kukarskikh, G P; Matorin, D N; Timofeev, K N; Rubin, A B *Biochemistry (N Y)* 40 (1, Pt. 1): 47-51. Ref. Jan/Feb 1975

027133 385 B523AE
Isolation and characterization of subunits of 80S ribosomesof dry pea seeds. Gumilevskaya, N A; Chumikina, L V; Kuvaeva, E B; Kretovich, V L *Biochemistry (N Y)* 40 (1, Pt. 2): 148-156. Ref. Jan/Feb 1975

027134 385 B523AE
Regulation of activity of glutamine synthetase from pea seeds by keto acids and AMP [adenosine-5'-monophosphate]. Pushkin, a V; Evstigneeva, Z G; Kretovich, V L *Biochemistry (N Y)* 40 (1, Pt. 1): 44-46. Ref. Jan/Feb 1975

027135 385 B523AE
The location of catalase and peroxidase in isolated pea chloroplasts and their fragments. Myrzaeva, S V; Akulova, E A *Biochemistry (N Y)* 40 (1, Pt. 2): 140-142. Ref. Jan/Feb 1975

027136 381 B522
Excitation spectra for photosystem I and photosystem II in [spinach] chloroplasts and the spectral characteristics of the distribution of quanta between the two photosystems. Kitajima, M; Butler, W L *Biochim Biophys Acta* 408 (3): 297-305. Dec 11, 1975

027137 381 B522
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. Haveman, J; Lavorel, J *Biochim Biophys Acta* 408 (3): 269-283. Ref. Dec 11, 1975

027138 381 B522
Photophosphorylation and related properties of reaggregated vesicles from spinach photosystem I particles. Jaynes, J M; Vernon, L P; Klein, S M *Biochim Biophys Acta* 408 (3): 240-251. Ref. Dec 11, 1975

027139 381 B522
Proton magnetic resonance studies of peroxidases from turnip and horseradish. Williams, R J P; Wright, P E; Mazza, G; Ricard, J R *Biochim Biophys Acta* 412 (1): 127-147. Ref. Nov 18, 1975

027140 381 B522
Reduction of oxygen by the electron transport chain of [spinach] chloroplasts during assimilation of carbon dioxide. Egneus, H; Heber, U; Matthiesen, U; Kirk, M *Biochim Biophys Acta* 408 (3): 252-268. Ref. Dec 11, 1975

027141 442.8 B523
Quantitative investigations on the nitrogen metabolism in higher plants. I. Mathematical models of nitrogen-metabolism of Vicia faba [Broadbeans]. (Ger) Winkler, E *Biol Zentralbl* 94 (3): 317-332. Ref. Eng. Sum. May/June 1975

027142 450 EN3B
A night flowering fall Narcissus. Bulb formation and flowering ecology of Narcissus viridiflorus Schousboe. (Ger) Vogel, S; Muller-Doglies, D *Bot Jahrb Syst Pflanzengesch Pflanzengeogr* 96 (1/4): 427-447. Ref. Eng. Sum. 1975

027143 107.6 K114B
Effects of bending and ringing of branches [training method] on flowering and fruiting of ponkan (Citrus reticulata Blanco) trees. (Jpn) Iwahori, S; Matsumoto, R; Hiraoka, S; Oohata, J T *Bull Fac Agric Kagoshima Univ* 25: 19-24. Ref. Eng. Sum. Mar 1975

027144 107.6 K114B
Studies on nutrition of grafted plants [Pharbitis, Ipomoea bana-nox, sweetpotato]. I. Nitrogen nutrition. (Jpn) Nishihara, T; Yunoue, T; Horiguchi, T; Inanaga, S; Kawaida, K *Bull Fac Agric Kagoshima Univ* 25: 65-72. Ref. Eng. Sum. Mar 1975

027145 107.6 T5762
Effects of B995 application on double cosmos (Cosmos bipinnatus) with special reference to the inhibition of peduncle elongation. (Jpn) Samata, Y; Inazu, K; Endo, H *Bull Fac Agric Tamagawa Univ* 14: 51-58. Eng. Sum. 1974

027146 451 F84B
In vitro growth of tissues and cells cultures from apple fruits. (Fre) Pech, J C; Latche, A; Austruy, M; Fallot, J *Bull Soc Bot Fr* 122 (5/6): 183-194. Ref. Eng. Sum. 1975

027147 505 P21 (3)
Contribution to the study of photoperiodic response of Impatiens balsamina L. "Buisson fleuri" variety. (Fre) Simon, L *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 997-1000. Eng. Sum. Oct 6, 1975

027148 505 P21 (3)
Effect of calcium on the biosynthesis of phosphatidylcholine by microsomes prepared from Vicia faba [broadbean] roots. (Fre) Donaire, J P; Oursel, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 787-790. Eng. Sum. Sept 22, 1975

027149 505 P21 (3)
Effects of morphactin on the growth and amino acids content of lentil roots. (Fre) Keller, E; Pilet, P E *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 635-638. Ref. Eng. Sum. Sept 8, 1975

027150 505 P21 (3)
In vitro culture of some hybrid cultivars of Weigela (Thun) from meristems. (Fre) Duron, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 985-987. Eng. Sum. Oct 6, 1975

027151 505 P21 (3)
Interpretation of the transitory carbon dioxide emission by apple tissues (transition effect) observed after a change in temperature. (Fre) Soudain, P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 937-940. Ref. Eng. Sum. Sept 29, 1975

027152 505 P21 (3)
Occurrence and distribution of nitrates in beans (Phaseolusvulgaris L.) grown in different nitrogen supply conditions. (Fre) Decau, J; Bouniols, A; Pace, A; Mondies, M; Pujol, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 631-634. Eng. Sum. Sept 8, 1975

027153 505 P21 (3)
Specific increase, by X-rays, of dark carbon dioxide outputfrom leaves of Pelargonium zonale L. (Fre) Bock, F de; Carlier, G *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 993-996. Ref. Eng. Sum. Oct 6, 1975

027154 470 C16C
On the specificity of sucrose for the growth of excised tomato roots. Weston, G D *Can J Bot* 53 (17): 1769-1773. Ref. Sept 1, 1975

027155 470 C16C
Regulation of seed dormancy in Elaeagnus umbellata by endogenous growth substances. Hamilton, D F; Carpenter, P L *Can J Bot* 53 (20): 2303-2311. Ref. Oct 15, 1975

027156 470 C16B
The structures of some stress metabolites from Solanum melongena [Eggplants]. Stoessl, A; Stothers, J B; Ward, E W B *Can J Chem* 53 (22): 3351-3358. Ref. Nov 15, 1975

027157 382 C4223
Isolation and structure of coprine, a novel physiologically active cyclopropanone derivative from Coprinus atramentarius and its synthesis via 1-aminocyclopropanol. Lindberg, P; Bergman, R; Wickberg, B *Chem Commun* 23: 946-947. Ref. Dec 3, 1975

027158 QD241.K453
Alkaloids of Solanum tuberosum [Potaotes]. Nabiev, A; Shakirov, R *Chem Nat Compd* 10 (1): 132-133. Jan/Feb 1974 (Transl. 1975)

027159 QD241.K453
Flavonoids from Passiflora incarnata. Gavasheli, N M; Moniavo, I I; Eristavi, L I *Chem Nat Compd* 10 (1): 99. Jan/Feb 1974 (Transl. 1975)

027160 QD241.K453
Flavonoids of the leaves of [olive] Olea europaea. Kriventsov, V I; Dolganenko, L G; Dranik, L I *Chem Nat Compd* 10 (1): 101. Jan/Feb 1974 (Transl. 1975)

027161 QD241.K453
Isolation of tannin from sumac [Rhus] leaves. Sarabunovich, A G; Yabich, P A; Beridze, P Z *Chem Nat Compd* 10 (1): 146. Jan/Feb 1974 (Transl. 1975)

027162 SB415.C625
Premature budding of garden mum [Chrysanthemum]. Koths, J S; Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 6-11. Aug 1975

027163 475 SCI23
A note on transaminases in the ripening of bananas on storage. Patil, D L; Magar, N G *Curr Sci* 44 (23): 850-851. Dec 5, 1975

475 SCI23
Studies on the effect of aminotriazole on chloroplast development in Phaseolus radiatus L. [Beans]. Vivekanandan, M; Gnanam, A *Curr Sci* 44 (23): 842-845. Ref. Dec 5, 1975

027164 475 SCI23
14C [carbon isotope] incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in green gram [Mung beans]. Gopala Rao, P; Reddy, A N; Kumar, N R *Curr Sci* 44 (22): 818. Nov 20, 1975

027165 511 P444AEBP
Effect of electric potential on spontaneous ultraweak chemiluminescence of plants [Peas]. Doskoch, YA E; Kovrizhnykh, V V; Tarusov, B N *Dokl Biophys* 217/219: 91-93. July/Dec 1974 (Transl 1975)

027166 511 P444AEBP
Effect of strong shock waves on dicotyledon seeds [Turnip, Anethum graveolens, cucumber, radishes]. Trunina, N P; Panov, N V; Trunin, R F; German, V N *Dokl Biophys* 217/219: 130-131. July/Dec 1974 (Transl 1975)

027167 511 P444AEBP
Kinetics of "aging" of photosynthetic apparatus of isolated chloroplasts [Peas]. Berezin, I V; Varfolomeev, S D; Zaitsev, S V; Il'ina, M D *Dokl Biophys* 217/219: 99-101. July/Dec 1974 (Transl 1975)

027168 511 P444AE
Development of self-incompatibility in Petunia [hybrida] using inhibitors of protein and nucleic acid metabolism. Kovaleva, L V; Musatova, N A; Britikov, E A *Dokl Bot Sci* 220/222: 48-51. Ref. Jan/June 1975

027169 511 P444AE
Homologies in the DNA of species of Iris L. Shneer, V S; Antonov, A S *Dokl Bot Sci* 220/222: 35-37. Ref. Jan/June 1975

TD1.E58
Metabolic behaviour of water-soluble fluorescent whitening agents in the rat and bean plant. Muecke, W; Dupuis, G; Esser, H O *Environ Qual Saf* 4 (Suppl.): 174-179. 1975

027170 QP501.E8
Polyadenylated RNA from Vicia faba [broadbeans] meristematic root cells. Localization and size estimation of the poly(A) segment. Esnault, R; Trapy, G; Huystee, R B van *Eur J Biochem* 60 (1): 83-89. Ref. Dec 1975

027171 QP501.E8
Purification and properties of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in amylose-branching enzyme. Borovsky, D; Smith, E E; Whelan, W J *Eur J Biochem* 59 (2): 615-625. Ref. Nov 1975

027172 QP501.E8
The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L.). Purification and properties of the inhibitors. Belew, M; Porath, J; Sundberg, L *Eur J Biochem* 60 (1): 247-258. Ref. Dec 1975

027173 475 EX7
Influence of various conbinations of silybine, silydianine and silychristine on the embryonic growth of garden cress (Lepidium sativum L.). (Ger) Koch, H *Experientia* 31 (11): 1283-1284. Eng. Sum. Nov 15, 1975

027174 22 F223
Potash requirement of sweetpotato—a review. Misra, K K; Singh, J P *Farm J (Calcutta)* 16 (7): 22-24, 8. Ref. May 1975

027175 26 H27
Parthenocarpy in cucumbers. (Heb) Rudich, Y *Hassadeh* 56 (1): 41-46. Oct 1975

027176 26 H27
The size and weight of melon seeds as parameters of their vigor [Germination]. (Heb) Gelmond, H; Peles, R *Hassadeh* 56 (1): 47-50. Eng. Sum. Oct 1975

SB110.G8
Heat unit concept of crop maturity. Iwata, F *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 351-370. Ref. 1975

027177 S3.I5
Effect of growth regulating substances on germination and certain metabolic changes in pea. Rao, S P *Indian J Agric Res* 9 (1/2): 7-14. Ref. Mar/June 1975

027178 80 IN2
A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. Singh, R; Kumar, J C; Nandpuri, K S *Indian J Hortic* 32 (1/2): 98-101. Ref. Mar/June 1975

027179 80 IN2
Biochemical changes associated with growth and development of pineapple variety Kew. IV. Changes in major lipid constituents. Selvaraj, Y; Kivakar, N G; Chander, M S; Chadha, K L; Malanta, K R *Indian J Hortic* 32 (1/2): 64-67. Ref. Mar/June 1975

027180 80 IN2
Comparative study of the chemical constituents of edible and saponin bearing Dioscorea tubers. Selvaraj, Y; Chander, M S; Bammi, R K; Randhawa, G S *Indian J Hortic* 32 (1/2): 78-83. Ref. Mar/June 1975

027181 80 IN2
Pollination studies in grape. Uppal, D K; Dogra, P C; Channana, Y R *Indian J Hortic* 32 (1/2): 61-63. Mar/June 1975

027182 80 IN2
Relation of growth and fruiting in lemon (Citrus limon Burmann). Soni, S L; Randhawa, G S *Indian J Hortic* 32 (1/2): 35-44. Ref. Mar/June 1975

027183 80 IN2
Studies on floral biology of Jamun (Java plum) [Myrtaceae] [Syzygium cuminii (L.) Skeels]. Misra, R S; Bajpai, P N *Indian J Hortic* 32 (1/2): 15-24. Ref. Mar/June 1975

027184 QP141.A1J6
Biosynthesis of some water soluble vitamins during germination of Dolichos lablab (bitter variety). Shastri, N V; Dhamankar, V S; Akarte, N R *Indian J Nutr Diet* 12 (8): 238-242. Aug 1975

027185 442.9 AK124
Hippeastrum hybridum Hort. Annual cycle under conditions ofthe open ground of Ashkhabad. (Rus) Kozlova, A G *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 77-80. Eng. Sum. 1975

027186 381 J8223
Appraisal of ethylene production as a test for defoliants [Kidney beans]. Webb, D T; Darrow, R A; Leather, G R *J Agric Food Chem* 23 (6): 1113-1115. Nov/Dec 1975

027187 381 J8223
Chemical examination of seleniferous cabbage Brassica oleracea capitata. Hamilton, J W *J Agric Food Chem* 23 (6): 1150-1152. Ref. Nov/Dec 1975

027188 381 J8223
Concentration dependencies of ethylene on shuck dehiscence and fruit and leaf abscission of Carya illinoensis [Wang.] K. Koch. Kays, S J; Crocker, T F; Worley, R E *J Agric Food Chem* 23 (6): 1116-1118. Ref. Nov/-Dec 1975

027189 10 J822
Effects of light and temperature on nodulation of cowpea and hyacinth bean. Mahdi, A A; Habish, H A *J Agric Sci (Camb)* 85 (3): 417-425. Ref. Dec 1975

027190 10 J822
The effect of morphactin on the nutrient concentration of snapdragons [Antirrhinum majus]. Asif, M I; Ergenoglu, F *J Agric Sci (Camb)* 85 (3): 565-566. Ref. Dec 1975

027191 381 J824
Mechanism of KCN inhibition of photosystem I [Spinach]. Berg, S P; Krogmann, D W *J Biol Chem* 250 (23): 8957-8962. Ref. Dec 10, 1975

027192 442.8 J828
Calcium accumulatons within the growing tips of pollen tubes [Lilium longiflorum]. Jaffe, L A; Weisenseel, M H; Jaffee, L F *J Cell Biol* 67 (2): 488-492. Nov 1975

027193 442.8 J828
Characterization of nuclear membranes and endoplasmic reticulum isolated from plant tissue [Onions]. Philipp, E I; Franke, W W; Keenan, T W; Stadler, J; Jarasch, E D *J Cell Biol* 68 (1): 11-29. Ref. Jan 1976

421 J822
Responses of four orange varieties to certain petroleum oils [used as insecticidal sprays] in Texas. Dean, H A *J Econ Entomol* 68 (6): 835-837. Dec 15, 1975

027194 448.3 J823
Production of ethylene and other volatiles and changes in cellulase and laccase activities during the life cycle of the cultivated mushroom, Agaricus bisporus. Turner, E M; Wright, M; Ward, T; Osborne, D J; Self, R *J Gen Microbiol* 91 (1): 167-176. Ref. Nov 1975

027195 80 J825
A relationship between stomatal density and growth potential in apple rootstocks. Beakbane, A B; Majumder, P K *J Hortic Sci* 50 (4): 285-289. Oct 1975

027196 80 J825
Carbohydrate changes in chicory during forcing. Rutherford, P P; Phillips, D E *J Hortic Sci* 50 (4): 463-473. Oct 1975

027197 80 J825
Changes in the nitrogen reserves of apple shoots during the dormant season. O'-Kennedy, B T; Hennerty, M J; Titus, J S *J Hortic Sci* 50 (4): 321-329. Ref. Oct 1975

027198 80 J825
Effects of temperature on the germination and emergence of lettuce (lactuca sativa, L.) varieties. Gray, D *J Hortic Sci* 50 (4): 349-361. Oct 1975

027199 80 J825
Flower production and the accumulation and distribution of carbohydrates in different parts of Baccara rose plants as influenced by various pruning and pinching treatments. Zieslin, N; Hurwitz, A; Halevy, A H *J Hortic Sci* 50 (4): 339-348. Ref. Oct 1975

027200 80 J825
Photoperiodic regulation of bulbing and maturation of Bet Alpha onions (Allium cepa L.) under decreasing daylength conditions [in Israel]. Kedar, N; Levy, D; Goldschmidt, E E *J Hortic Sci* 50 (4): 373-380. Oct 1975

027201 80 J825
Possible involvement of growth substances in the response of tomato plants (Lycopersicon esculentum Mill.) to different soil temperatures. Menhenett, R; Wareing, P F *J Hortic Sci* 50 (4): 381-397. Ref. Oct 1975

027202 80 J825
Respiration rate and acidity in parthenocarpic and seeded Conference pears. Kotob, M A; Schwabe, W W *J Hortic Sci* 50 (4): 435-445. Ref. Oct 1975

027203 80 J825
The effect of killed compatible pollen on self-compatibility in apple. Williams, R R; Church, R M *J Hortic Sci* 50 (4): 457-461. Oct 1975

027204 80 J825
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from bark and wood of apple shoots. O'Kennedy, B T; Hennerty, M J; Titus, J S *J Hortic Sci* 50 (4): 331-338. Ref. Oct 1975

027205 80 J825
The pollination and set of the early flowers of runner bean (Phaseolus coccineus L.). Williams, I H; Free, J B *J Hortic Sci* 50 (4): 405-413. Oct 1975

027206 80 J825
Zinc nutrition and temperature effects on tomato. Fawusi, M O A; Ormrod, D P *J Hortic Sci* 50 (4): 363-371. Ref. Oct 1975

027207 QH7.J6
The life-history of Anoplocnemis curvipes F. (Coreinea, Coreidae, Heteroptera) a pest of fresh cowpea pods. Aina, J O *J Nat Hist* 9 (6): 685-692. Nov/Dec 1975

027208 382 SO12
The cuticles of Citrus species. Composition of the intracuticular lipids of leaves and fruits. Baker, E A; Procopiou, J *J Sci Food Agric* 26 (9): 1347-1352. Ref. Sept 1975

027209 QK495.C11K3
Influence of clay dishes on growth of seedlings of Lemaireocereus griseus (Haworth) Britton & Rose. (Ger) Peukert, D E *Kakteen Sukkulenten* 26 (11): 250-251. Nov 1975

027210 75.8 K147
Increase of germination of vegetable seeds in open ground. (Rus) Mukhin, V *Kartofel Ovoschi* 1: 29-31. Jan 1975

027211 75.8 K147
Method of determining germination rate and vital capacity of [vegetable] seeds. (Rus) Kiseleva, V; Kuznetsova, M *Kartofel Ovoschi* 5: 27. May 1975

027212 75.8 K147
Physical and mechanical properties of watermelons. (Rus) Barilko, L *Kartofel Ovoschi* 6: 33-34. June 1975

027213 99.8 L5622
Ethylene as a stimulator of ripening for Vaccinium vitis-idaea. (Rus) Muratov, IU M *Lesn Khoz* 11: 86-87. Nov 1975

027214 QP751.L5
Fat metabolism in higher plants: metabolism of medium chain fatty acids [Avocados]. Sodja, A; Stumpf, P K *Lipids* 10 (12): 818-828. Ref. Dec 1975

421 M33
A comparative study on the evolution of lipids and starch reserves at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. Jauffret, F; Le Ret, M *Marcellia* 38 (4): 311-318. Oct 1975

027215 QH301.M6
Influence of temperature on the germination rate of rose [Rosa] seeds. Nomerov, B A *Moscow Univ Biol Sci Bull* 29 (5/6): 103-104. 1974

027216 514 N482
Physical data for kiwifruit (Actinidia chinensis). Harris, S *N Z J Sci* 18 (3): 307-312. Sep 1975

027217 472 N21
Enzyme to break down lettuce endosperm cell wall during gibberellin- and light-induced germination. Halmer, P; Bewley, J D; Thorpe, T A *Nature* 258 (5537): 716-718. Ref. Dec 25, 1975

027218 472 N21
Lectins stimulate pollen germination [Lilium longiflorum]. Southworth, D *Nature* 258 (5536): 600-602. Ref. Dec 18, 1975

027219 SB401.P4P4
Nutrient removal in nut harvest ['Farley' pecans]. Sparks, D *Pecan South* 2 (6): 252-253. Ref. Nov 1975

027220 382 P56
Photoproduction of ions from chlorophyll a in solution studied by flash photolysis and photoconductivity [Spinach]. Imura, T; Furutsuka, T; Kawabe, K *Photochem Photobiol* 22 (3/4): 129-134. Ref. Sept/Oct 1975

027221 382 P56
Studies on hook-opening in Phaseolus vulgaris L. [Kidney beans], by selective R/FR pretreatments of embryonic axis and primary leaves. Caubergs, R; Greef, J a de *Photochem Photobiol* 22 (3/4): 139-144. Ref. Sept/Oct 1975

027222 450 P5623
Biosynthesis and regulatory control of ethylene in fruit ripening. A review. Lieberman, M *Physiol Veg* 13 (3): 489-499. Ref. July/-Sept 1975

027223 450 P5623
Characteristics of accumulation of p-coumarylglucose in the parenchyma of apple (Pirus malus L.). (Fre) Macheix, J J *Physiol Veg* 13 (3): 591-602. Ref. Eng. Sum. July/-Sept 1975

027224 450 P5623
Comparison of ultrastructural localization of acid phosphatasic activity in Allium cepa L. (Liliaceae) [onions] radicles, developed at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. (Fre) Geneves, L *Physiol Veg* 13 (3): 455-466. Ref. Eng. Sum. July/Sept 1975

027225 450 P5623
Contribution to the study of vernalization by cold treatment on the root of Cichorium intybus L. [Chicory]. (Fre) Joseph, C; Paulet, P *Physiol Veg* 13 (3): 517-525. Ref. Eng. Sum. July/Sept 1975

027226 450 P5623
Effects of exogenous supply of glucose or cycloheximide on nitrogen metabolism of cut Iris germanicz L. flowers. (Fre) Paulin, A; Bureau, J M; Souter, D *Physiol Veg* 13 (3): 501-515. Ref. Eng. Sum. July/Sept 1975

027227 450 P5623
Ethylene and the degreening of plant tissues [Spinach]. (Fre) Phan, C T; Hsu, H *Physiol Veg* 13 (3): 427-434. Ref. Eng. Sum. July/-Sept 1975

027228 450 P5623
Fruit ripening and senescence of flowers and leaves. Biale, J B *Physiol Veg* 13 (3): 701-708. Ref. July/Sept 1975

027229 450 P5623
Influence of varying temperature conditions on the respiration of ethylene synthesis and organoleptic behaviour of Passe-Crassane pears. (Fre) Leblond, C; Ralambosoa, J; Machon, J M *Physiol Veg* 13 (3): 651-665. Ref. Eng. Sum. July/Sept 1975

027230 450 P5623
On phenol and p-cresol o-hydroxylation by tyrosinases in the presence of ascorbic acid [Mushrooms, potatoes]. (Fre) Lavollay, J; Legrand, G; Lehongre, G; Neumann, J *Physiol Veg* 13 (3): 667-676. Ref. Eng. Sum. July/Sept 1975

027231 450 P5623
Preparation and purification of an enzyme system for ethylene synthesis from acrylate [Kidney beans]. Ghooprasert, P; Spencer, M *Physiol Veg* 13 (3): 579-589. Ref. July/Sept 1975

027232 450 P5623
Role of cotyledons in germination and dormancy breaking of apple embryonic axis, after treatment with abscisic acid. (Fre) Durand, M; Thevenot, C; Come, D *Physiol Veg* 13 (3): 603-610. Ref. Eng. Sum. July/Sept 1975

027233 450 P5623
Root gradients: a new micro-technique for analyzing acid phosphomonoesterases [Lentils]. (Fre) Mayor, G; Pilet, P E *Physiol Veg* 13 (3): 479-487. Ref. Eng. Sum. July/Sept 1975

027234 450 P5623
Starch breakdown and ripening of apple and pear fruits. (Fre) Latche, A; Pech, J C; Fallot, J *Physiol Veg* 13 (3): 637-649. Ref. Eng. Sum. July/Sept 1975

027235 450 P5623
Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles [Potatoes, radishes, beans, cauliflower]. (Fre) Duperon, R; Meance, J; Lartillot, S; Duperon, P *Physiol Veg* 13 (3): 539-548. Ref. Eng. Sum. July/Sept 1975

027236 450 P5623
Study of fatty acid transfers between liposomes and isolated mitochondria of cauliflowers. (Fre) Douady, D; Mazliak, P *Physiol Veg* 13 (3): 383-392. Ref. Eng. Sum. July/-Sept 1975

027237 450 P5623
Variations in chlorophylls and carotenoids content of the cherry harvested at different stages of growth and ripening. (Fre) Okombi, G; Billot, J; Hartmann, C *Physiol Veg* 13 (3): 417-426. Ref. Eng. Sum. July/-Sept 1975

027238 450 P5622
Behaviour of phenylalanine ammonia-lyase in carrot cells in suspension cultures. Sugano, N; Tanaka, T; Yamamoto, E; Nishi, A *Phytochemistry* 14 (11): 2435-2436. Ref. Nov 1975

027239 450 P5622
Beta-diketones in Rhododendron waxes. Evans, D; Knights, B A; Math, V B; Ritchie, A L *Phytochemistry* 14 (11): 2447-2451. Ref. Nov 1975

027240 450 P5622
Branched-chain constituents of Brussels sprout wax. Baker, E A; Holloway, P J *Phytochemistry* 14 (11): 2463-2467. Ref. Nov 1975

027241 450 P5622
Carnitine content of pea seedling cotyledons. McNeil, P H; Thomas, D R *Phytochemistry* 14 (11): 2335-2336. Nov 1975

027242 450 P5622
Carotene epoxides from the Delta tomato mutant. Britton, G; Goodwin, T W *Phytochemistry* 14 (11): 2530-2532. Nov 1975

027243 450 P5622
Cell wall glycoproteins and polysaccharides of mature runner beans. Selvendran, R R; Davies, A M C; Tidder, E *Phytochemistry* 14 (10): 2169-2174. Ref. Oct 1975

027244 450 P5622
Cell wall glycoproteins and polysaccharides of parenchyma of Phaseolus coccineus [Runner beans]. Selvendran, R R *Phytochemistry* 14 (10): 2175-2180. Ref. Oct 1975

027245 450 P5622
Conversion of potato phosphorylase isozymes. Gerbrandy, S J; Shankar, V; Shivaram, K N; Stegemann, H *Phytochemistry* 14 (11): 2331-2333. Ref. Nov 1975

450 P5622
Enzymic analysis of cell wall structure in apple fruit cortical tissue. Knee, M; Fielding, A H; Archer, S A; Laborda, F *Phytochemistry* 14 (10): 2213-2222. Ref. Oct 1975

027246 450 P5622
Isoenzyme changes during the growth cycle of Paul's Scarlet rose cell suspensions. Nash, D T; Davies, M E *Phytochemistry* 14 (10): 2113-2118. Ref. Oct 1975

027247 450 P5622
Molecular weight and amino acid composition of purified spinach beet phenolase. Vaughan, P F T; Eason, R; Paton, J Y; Ritchie, G A *Phytochemistry* 14 (11): 2383-2386. Ref. Nov 1975

027248 450 P5622
Pigment evolution in Lycopersicon esculentum [tomato] fruits during growth and ripening. Laval-Martin, D; Quennemet, J; Moneger, R *Phytochemistry* 14 (11): 2357-2362. Ref. Nov 1975

027249 450 P5622
Pyrazole in Citrullus vulgaris [watermelon] (Cucurbitaceae). LaRue, T A; Child, J J *Phytochemistry* 14 (11): 2512-2513. Nov 1975

027250 450 P5622
Replacement of Mg2+ [magnesium] by polyamines in the aminoacylation of tRNA from Phaseolus [Beans]. Janssens de Varebeke, P L *Phytochemistry* 14 (10): 2153-2155. Ref. Oct 1975

027251 450 P5622
Soluble and wall-bound glycoproteins of apple fruit tissue. Knee, M *Phytochemistry* 14 (10): 2181-2188. Ref. Oct 1975

027252 450 P5622
Steryl acetates in Rhododendron waxes. Evans, D; Knights, B A; Math, V B *Phytochemistry* 14 (11): 2453-2454. Nov 1975

027253 450 P5622
Subcellular localization of lipoxygenase and lipolytic acyl hydrolase enzymes in plants [Vegetables]. Wardale, D A; Galliard, T *Phytochemistry* 14 (11): 2323-2329. Ref. Nov 1975

027254 450 P5622
The origin of the methyl groups of abscisic acid [in avocado]. Milborrow, B V *Phytochemistry* 14 (11): 2403-2405. Nov 1975

027255 450 P5622
The p-coumaryl CoA ligase of potato tubers. Rhodes, M J C; Wooltorton, L S C *Phytochemistry* 14 (10): 2161-2164. Ref. Oct 1975

027256 450 P5622
The properties of cinnamic acid 4-hydroxylase of aged swede [rutabaga] root disks. Hill, A C; Rhodes, M J C *Phytochemistry* 14 (11): 2387-2391. Ref. Nov 1975

027257 450 P5622
The role of (25S)-5alpha-cholestan-3beta,26-diol and (25S)-5alpha-furostan-3beta,26-diol in the biosynthesis of tomatidine and neotigogenin [in tomatoes]. Ronchetti, F; Russo, G; Ferrara, G; Vecchio, G *Phytochemistry* 14 (11): 2423-2425. Nov 1975

027258 450 P5622
The steroespecificity of biosynthesis of squalene and beta-amyrin in Pisum sativum [Peas]. Suga, T; Shishibori, T *Phytochemistry* 14 (11): 2411-2417. Ref. Nov 1975

027259 450 P5622
Variation of the long-chain hydrocarbon pattern in different tissues of Duncan grapefruit. Nagy, S; Nordby, H E; Lastinger, J C *Phytochemistry* 14 (11): 2443-2445. Nov 1975

027260 450 P692
Auxin transport inhibitors fluorescein and related compounds [Kidney beans]. Katekar, G F; Geissler, A E *Plant Physiol* 56 (5): 645-646. Ref. Nov 1975

027261 450 P692
Biochemical properties of mitochondrial membrane from dry pea seeds and changes in the properties during imbibition. Sato, S; Asahi, T *Plant Physiol* 56 (6): 816-820. Dec 1975

027262 450 P692
Cell-free synthesis of the major storage protein of the bean, Phaseolus vulgaris L. Sun, S M; Buchbinder, B U; Hall, T C *Plant Physiol* 56 (6): 780-785. Ref. Dec 1975

027263 450 P692
Cellulase activity, endogenous abscisic acid, and ethylene in four citrus cultivars during maturation. Rasmussen, G K *Plant Physiol* 56 (6): 765-767. Ref. Dec 1975

027264 450 P692
Comparison between biosynthesis of ent-kaurene in germinating tomato seeds and cell suspension cultures of tomato and tobacco. Yafin, Y; Shechter, I *Plant Physiol* 56 (5): 671-675. Ref. Nov 1975

027265 450 P692
Cytochemical demonstration of malate synthase and Glycolate oxidase in microbodies of cucumber cotyledons. Burke, J J; Trelease, R N *Plant Physiol* 56 (5): 710-717. Ref. Nov 1975

027266 450 P692
Development and intracellular distribution of enzymes of the oxidative pentose phosphate cycle in radish cotyledons. Schnarrenberger, C; Tetour, M; Herbert, M *Plant Physiol* 56 (6): 836-840. Ref. Dec 1975

027267 450 P692
Distribution and nonphotochemical transformation of phytochrome in subcellular fractions from Pisum [sativum, peas] epicotyls. Manabe, K; Furuya, M *Plant Physiol* 56 (6): 772-775. Ref. Dec 1975

027268 450 P692
Effect of gibberellic acid, kinetin, and ethylene plus carbon dioxide on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). Keys, R D; Smith, O E; Kumamoto, J; Lyon, J L *Plant Physiol* 56 (6): 826-829. Ref. Dec 1975

027269 450 P692
Effect of oxygen on photosynthesis by spinach leaf protoplasts. Nishmura, M; Graham, D; Akazawa, T *Plant Physiol* 56 (5): 718-722. Ref. Nov 1975

027270 450 P692
Endogenous abscisic acid levels in germinating and nongerminating lettuce seed. Braun, J W; Khan, A A *Plant Physiol* 56 (6): 731-733. Ref. Dec 1975

027271 450 P692
Evidence for covalently attached p-coumaric acid and ferulic acid in cutins and suberins [of fruit and vegetables]. Riley, R G; Kolattukudy, P E *Plant Physiol* 56 (5): 650-654. Ref. Nov 1975

027272 450 P692
Heritable variation in a polypeptide subunit of the major storage protein of the bean, Phaseolus vulgaris L. Romero, J; Sun, S M; McLeester, R C; Bliss, F A; Hall, T C *Plant Physiol* 56 (6): 776-779. Ref. Dec 1975

027273 450 P692
Inhibitory action of five tannins on growth induced by several gibberellins [in peas]. Green, F B; Corcoran, M R *Plant Physiol* 56 (6): 801-806. Ref. Dec 1975

027274 450 P692
Water permeability during tomato fruit development in normal and rin nonripening mutant. Poovaiah, B W; Mizrahi, Y; Dostal, H C; Cherry, J H; Leopold, A C *Plant Physiol* 56 (6): 813-815. Dec 1975

027275 QK1.P5
Enhancement of CO2 [carbon dioxide] gas exchange in the leaves of Convallaria majalis L., its action spectrum and light saturation. Voskresenskaya, N P; Polyakov, M A *Plant Sci Lett* 5 (5): 333-338. Ref. Nov 1975

027276 450 P693
Filament formation in vitro of a sieve tube protein from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. Kleinig, H; Thones, J; Dorr, I; Kollmann, R *Planta* 127 (2): 163-170. Ref. 1975

027277 450 P693
Growth regulator levels in embryo and suspensor of Phaseolus coccineus at two stages of development [Scarlet runner beans]. Alpi, A; Tognoni, F; D'Amato, F *Planta* 127 (2): 153-162. Ref. 1975

027278 450 P693
Photoreversible binding in vitro of cytosolic phytochrome to particulate fraction isolated from pea epicotyls. Yamamoto, K T; Furuya, M *Planta* 127 (2): 177-186. Ref. 1975

027279 450 P693
Phytochrome intermediates in freeze-dried tissue [Peas]. Spruit, C J P; Kendrick, R E; Cooke, R J *Planta* 127 (2): 121-132. Ref. 1975

027280 450 P693
Release of hydrolytic enzymes from the cell walls of intact and disrupted carrot callus tissue. Parr, D R; Edelman, J *Planta* 127 (2): 111-119. Ref. 1975

027281 500 N21P
Regulation of ferredoxin-catalyzed photosynthetic phosphorylations [Chloroplasts, spinach]. Arnon, D I; Chain, R K *Proc Natl Acad Sci U S A* 72 (12): 4961-4965. Ref. Dec 1975

027282 442.8 P94
Absolute dormancy of pollen induced by soaking in organic solvents [Chrysanthemum pacificum, Lilium longiflorum]. Iwanami, Y *Protoplasma* 84 (1/2): 181-184. Ref. 1975

027283 442.8 P94
The quiescent centre in excised roots of Pisum sativum L. [Peas]. MacLeod, R D; Scadeng, D W F *Protoplasma* 86 (1/3): 135-140. Ref. 1975

027284 SB23.C6A3
Annotated bibliography on photoperiodic control of flowering in lettuce, 1965-1974. *Query File Commonw Bur Hortic Plant Crops* 30/75, 2 P. Oct 1975

027285 SB23.C6A3
Annotated bibliography on root temperature and plant growth, 1967-1974 [Horticultural crops]. *Query File Commonw Bur Hortic Plant Crops* 29/75, 8 P. Oct 1975

027286 SB23.C6A3
Annotated bibliography on pistillate flower formation induced by ethrel in pumpkin, 1969-1973. *Query File Commonw Bur Hortic Plant Crops* 22/75, 2 P. Oct 1975

027287 SB29.K8A3
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of grape varieties [Winter injury]. (Kor) Yu, Y S; Kim, Y H; Hong, S B *Res Rep Off Rural Dev (Suwon)* 17: 13-18. Eng. Sum. Aug 1975

9.2 C332
Effect of levels and way of fertilizer application on okra seed germination. (Por) Campos, J P de; Couto, F A A; Casali, V W D *Rev Ceres* 22 (121): 187-193. Ref. Eng. Sum. May/June 1975

027288 QD415.A1R4
Intracellular distribution and multiple molecular forms of ribonucleases in pea (Pisum sativum) seedlings. Vasu, S; Botoseneanu, L *Rev Roum Biochim* 12 (4): 253-258. Ref. 1975

027289 307.8 OL3
Acidic composition of neutral lipids, glucolipids and phospholipids from olive tree leaves and chloroplasts. II. (Ita) Catalano, M; Sciancalepore, V *Riv Ital Sost Grasse* 52 (8): 276-280. Eng. Sum. Aug 1975

027290 SB183.S3
The effect of distant nodulation on the activity of nodules in pea (Pisum sativum L.) and dwarf kidney bean (Phaseolus vulgaris L.). Rubes, L *Sci Agric Bohemoslov* 7 (1): 25-34. 1975

027291 SB52.U5S6
The effects of methyl decanoate and undecanol on Cotoneaster apiculata. Sydnor, T D; Pretlow, T D *SNA Nursery Res J (South Nurserymen's Assoc)* 2 (1): 10-16. Nov 1975

027292 68.19 M28
Agroecological characteristics of growing conditions of avocados. (Rus) Gogolashvili, A A *Subtrop Kul't* 1: 89-92. 1975

027293 68.19 M28
The biological specificity of fruit bearing of lemons under the conditions of Anaseuli [USSR]. (Rus) Vardukadze, D A *Subtrop Kul't* 1: 59-63. 1975

027294 68.19 M28
The intensity of photosynthesis in citrus leaves of various age in relation to their frost resistance. (Rus) Mikaberidze, V E *Subtrop Kul't* 1: 73-77. 1975

027295 S631.A82
The developmental physiology and fertilizer requirements of Irish potatoes. Kushizaki, M *Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 24, 94 P. Ref. Sept 1975

027296 385 T29
Synthesis of dihydro-2,3 hydroxy-5 [4H] pyrones-4, a new analogue of dihydromaltol [Strawberries, pineapples]. (Fre) Gelin, S *Tetrahedron Lett* 48: 4255-4258. Ref. Nov 1975

027297 513 T64
Changes in respiration rate and some organic substances contents during fruit development of Cucumis melo L. cv. Shinhoro [Muskmelons]. (Jpn) Tanabe, K; Satoh, I *Trans Tottori Soc Agric Sci* 27: 27-33. Ref. Eng. Sum. Mar 1975

027298 513 T64
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during cell division. (Jpn) Hirata, N; Hayashi, S; Kurooka, H *Trans Tottori Soc Agric Sci* 27: 1-26. Ref. Eng. Sum. Mar 1975

027299 64.8 Z12
Influence of boron and manganese on starch quality of potatoes. (Cze) Mica, B *Uroda* 23 (5): 182-183. May 1975

027300 20 V82
The effect of irrigation and fertilizers on the accumulation of aromatic substances in grape berries and on wine quality. (Ukr) Pulatova, E Kh *Visn Sil's'kohospod Nauki* 6: 63-65. June 1975

027301 20 V82
The effect of non-root fertilizer supplements on the physiological indices and cucumber yield in hydroponic greenhouses [Soiless culture]. (Ukr) Kuchuhura-Kucherenko, N K *Visn Sil's'kohospod Nauki* 6: 52-56. June 1975

027302 450 Z32
Embryogenesis in tissue culture of Corylus avellana L. Radojevic, L; Vujicic, R; Neskovic, M *Z Pflanzenphysiol* 77 (1): 33-41. Ref. 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FOREST TREES

027303 QR1.A33
Production of auxins by [coryneform] bacteria isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert, M; Strzelczyk, E; Pokojska, A *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 135-143. Ref. 1975

027304 QK710.A9
CO2 [carbon dioxide] storage in Eucalyptus oil glands: a hypothesis disproved. Meyer, C P; Canny, M J *Aust J Plant Physiol* 2 (4): 647-658. Ref. Dec 1975

027305 QK710.A9
Internal water balance of brigalow (Acacia harpophylla F. Muell.) under natural conditions. Tunstall, B R; Connor, D J *Aust J Plant Physiol* 2 (4): 489-499. Ref. Dec 1975

QK710.F5
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. Tonecki, J *Biochem Physiol Pflanz BPP* 167 (2): 141-149. Ref. 1975

027306 S5.B8
Measure of active germination of Douglas fir Pseudotsuga menziesii (Mirb.) Franco. (Fre) Vanesse, R G *Bull Rech Agron Gembloux* 9 (2): 131-138. Ref. Eng. Sum. 1974

027307 99.9 F7652
Adaptability study on Chu-pien bamboo [Bambusa beecheyana Munro var. pubescens (Li) Lin] grown in Taiwan. (Chi) Kang, I Y; Huang, S K *Bull Taiwan For Res Inst* 264, 7 P. Eng. Sum. June 1975

027308 99.9 F7652
Variations in seedling characters of Taiwania cryptomerioides from various provenances. II. (Chi) Lu, C M *Bull Taiwan For Res Inst* 261, 16 P. Eng. Sum. Mar 1975

027309 505 P21 (3)
Study of nitrogen metabolism of Pinus halepensis Mill.: arginase. (Fre) Citharel, L; Citharel, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 877-880. Ref. Eng. Sum. Sept 29, 1975

027310 470 C16C
Changes in mineral contents of cotyledons and young seedlings of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. Marshall, P E; Kozlowski, T T *Can J Bot* 53 (18): 2026-2031. Ref. Sept 15, 1975

027311 470 C16C
Effect of gibberellic acid on growth and photosynthesis in Abies balsamea. Little, C H A; Loach, K *Can J Bot* 53 (17): 1805-1810. Ref. Sept 1, 1975

027312 QD241.K453
Alkaloids of Liriodendron tulipifera. Ziyaev, R; Abdusamatov, A; Yunusov, S YU *Chem Nat Compd* 10 (1): 119. Jan/Feb 1974 (Transl. 1975)

027313 QD241.K453
Alkaloids of the wood of Liriodendron tulipifera. Abdusamatov, A; Ziyaev, R; Yunusov, S YU *Chem Nat Compd* 10 (1): 126-127. Jan/Feb 1974 (Transl. 1975)

027314 QD241.K453
Mass-spectrometric investigation of the abienols—diterpene alcohols [Abies]. Vlad, P F; Khariton, Kh Sh; Koltsa, M N; Bordakh, O D *Chem Nat Compd* 10 (1): 24-28. Ref. Jan/Feb 1974 (Transl. 1975)

027315 410 EC7
Growth characteristics of two populations of Pinus rigida Mill. from the pine barrens of New Jersey. Good, R E; Good, N F *Ecology (Durham)* 56 (5): 1215-1220. Ref. Summer 1975

027316 99.8 F775
Environmental influences on the nutrient cycle of a beech [Fagus] forest on acid soil. (Ger) Ulrich, B *Forstwiss Centralbl* 94 (6): 280-287. Ref. Eng. Sum. Nov 1975

027317 99.8 F775
Preliminary investigations on the suitability of phloem analysis as a diagnostic tool to predict the nutritional status of Norway spruce (Picea abies Karst.). (Ger) Alcubilla, M; Rehfuess, K E *Forstwiss Centralbl* 94 (6): 344-351. Ref. Eng. Sum. Nov 1975

027318 QR1.I53 1974
Bacterial behaviour in the rhizosphere of Pinus densiflora infected by Tricholoma matsutake. Ohara, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 445-449. 1974 (Pub. 1975)

027319 99.8 IN2
Tetrazolium staining of seeds for interpretation of viability of six Indian tree species. Gupta, B N; Raturi, A S *Indian For* 101 (11): 659-673. Nov 1975

027320 99.8 IZ8
Effect of excessive moisture on the anatomic structure of the bark of Pinus sylvestris. (Rus) Eremin, V M *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 7-11. Ref. 1975

027321 99.8 IZ8
On the viscous properties of aqueous solutions of arabogalactan in Larix sibirica. (Rus) Chochieva, M M; Antonovskii, S D; Agisheva, T I *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 117-120. 1975

027322 99.8 IZ8
Synthesis and regeneration of proteins in isolated roots of Pinus sylvestris and Picea excelsa in a sterile culture. (Rus) Momot, T S *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 11-13. 1975

027323 99.8 IZ8
The effect of chemical mutagens on the growth of Quercus robur seedlings. (Rus) Samoshkin, E N *Izv Vyssh Uchebn Zaved Lesn Zh* 2: 18-21. 1975

027324 442.8 J828
Temperature dependence of anaphase chromosome velocity and microtubule depolymerization [Tilia americana]. Fuseler, J W *J Cell Biol* 67 (3): 789-800. Ref. Dec 1975

027325 QD241.C5
The meliacins (limonoids): minor constituents of Khaya anthotheca: reduction of the meliacins with zinc-copper couple. Ekong, D E U; Okogun, J I; Sondengam, B L *J Chem Soc, Perkin Trans I* 21: 2118-2122. Ref. 1975

027326 99.8 N62
Geographic variation in Picea glehnii. I. Differences in seedling height and bud-opening date among twelve seed sources. (Jpn) Okada, S *J Jap For Soc* 57 (9): 305-310. Map. Eng. Sum. Sept 1975

027327 99.8 N62
Use of ethrel to promote rooting and growth in transplanting some Eucalyptus seedlings. (Jpn) Shibata, M *J Jap For Soc* 57 (9): 294-299. Ref. Eng. Sum. Sept 1975

027328 99.8 L5622
Effect of mineral fertilizers on growth of pines in a fairly moist pine forest. (Rus) Riabukha, E V *Lesn Khoz* 10: 48-50. Oct 1975

027329 99.8 L5622
Interrelationship between heights of young conifers and indices of needle development in their crowns. (Rus) Gaas, A A *Lesn Khoz* 11: 54-57. Nov 1975

027330 450 P5622
Constitution of the sesquiterpenoid, centdarol [from the wood of Cedrus deodara]. Kulshreshtha, D K; Rastogi, R P *Phytochemistry* 14 (10): 2237-2240. Oct 1975

027331 450 P5622
Conversion of squalene-2(3) epoxide by enzymes of Alnus glutinosa. Nicolas, A; Bascoul, J; Crastes de Paulet, A; Dean, P D G *Phytochemistry* 14 (11): 2407-2409. Nov 1975

027332 450 P5622
Diterpenes from Araucaria angustifolia. Campello, J de P; Fonseca, S F *Phytochemistry* 14 (10): 2299-2300. Oct 1975

027333 450 P5622
Isoflavonoids of Mildbraedeodendron excelsa. Meegan, M J; Donnelly, D M X *Phytochemistry* 14 (10): 2283-2285. Ref. Oct 1975

027334 450 P5622
Neoflavanoids of Dalbergia melanoxylon. Donnelly, D M X; O'Reilly, J; Whalley, W B *Phytochemistry* 14 (10): 2287-2290. Oct 1975

027335 450 P692
Endogenous gibberellins of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus ponderosa pollen. Kamienska, A; Pharis, R P *Plant Physiol* 56 (5): 655-659. Ref. Nov 1975

027336 450 P692
Leaf water stress in Engelmann spruce [Picea engelmannii]: Influence of the root and shoot environments. Kaufmann, M R *Plant Physiol* 56 (6): 841-844. Ref. Dec 1975

027337 450 P692
Red-far red reversible effect on polysome formation in the embryos of Pinus thunbergii seeds. Yamamoto, N; Hasegawa, M; Sasaki, S; Asakawa, S *Plant Physiol* 56 (6): 734-737. Dec 1975

027338 450 P692
The isozymic similarity of indoleacetic acid oxidase to peroxidase in birch and horseradish. Gove, J P; Hoyle, M C *Plant Physiol* 56 (5): 684-687. Ref. Nov 1975

027339 99.8 R327
Research on glycerides from black locust [Robinia pseudacacia] seeds. (Rum) Popescu, H; Campan-Caragea, M *Rev Padur* 90 (1): 44-45. Jan/Mar 1975

027340 SD1.S952
The flowering biology of Norway spruce [Picea abies]—an obstacle to a rational program for tree breeding? (Swe) Eriksson, G; Lindgren, K; Werner, M *Sver Skogvardsforb Tidskr* 73 (5): 413-426. Eng. Sum. 1975

027341 99.8 T62
Genetic polymorphism of izoenzymes of peroxidases and esterases in Populus deltoides Bartr. (Cro) Guzina, V *Topola* 18/19 (103/106): 170-176. Eng. Sum. July 1974/June 1975

027342 513 T64
Flowering, pollination, pollen collection and pollen germination in Fagus and Quercus species. (Jpn) Hashizume, H *Trans Tottori Soc Agric Sci* 27: 94-107. Eng. Sum. Mar 1975

027343 ASD11.A48
Portable oscilloscope technique for detecting dormancy in [forest] nursery stock. Ferguson, R B; Ryker, R A; Ballard, E D; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 26, 16 P. 1975

027344 A99.9 F764U
Deterioration of aspen [Populus tremuloides] clones in the middle Rocky Mountains [Regeneration]. Schier, G A; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 170, 14 P. Ref. July 1975

027345 ASD11.A34
Growth of four types of white oak [Quercus alba] reproduction after clearcutting in the Missouri Ozarks. McQuilkin, R A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 116, 5 P. 1975

FIELD CROPS—CULTURE

027346 S544.3.W6W53
A complete forage plan for Wisconsin livestock [Range management, beef cattle]. Rohweder, D A; Vatthauer, R J; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2550, Slightly Rev., 18 P. July 1975

027347 S671.A2
Biologic losses of spring barley [caused by overgrowing]. (Slo) Turcek, J; Supuka, S; Halabrin, M *Acta Technol Agric* 14: 139-155. Ref. Eng. Sum. 1975

027348 S65.K4
Small grain varieties 1975. Tekrony, D; Haight, J; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 8, 6 P. Aug 1975

027349 S65.K4
The effects of weather on hay production [Alfalfa]. Hill, J; Evans, J K; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 45, 4 P. Maps. July 1975

027350 22.5 N682
Cultural aspects of mixing standard rice seeds with the glutinous rice. (Jpn) Nemoto, H; Hanawa, H; Koibuchi, K; Ono, S *Agric Hortic* 50 (6): 761-766. June 1975

027351 22.5 N682
Cultural techniques for extensive production of wheat in paddy fields. (Jpn) Hirano, J *Agric Hortic* 50 (6): 723-726. June 1975

027352 22.5 N682
Effect of climatic unstability on rice culture in Tohoku districts. I. (Jpn) Miyamoto, K; Hino, G *Agric Hortic* 50 (6): 740-742. Maps. June 1975

027353 22.5 N682
Methods of large scale rice culture. II. (Jpn) Takemoto, H *Agric Hortic* 50 (6): 833-837. June 1975

027354 22.5 N682
Theory and technique on rice seedling raising. 27. (Jpn) Hoshikawa, K *Agric Hortic* 50 (6): 821-825. Ref. June 1975

027355 281.9 IN23
Study on growth rates of area, production & productivity of pulses in Uttar Pradesh (1959-60 to 1972-73). Tyagi, B N; Saxena, R D; Awasthi, S *Agric Situation India* 61: 819-828. Feb 1975

027356 S15.A395
The New Zealand fiberlily (Phormium tenax Forster): studies on its biology and cultivation. (Spa) Fuentealba A, J E *Agro Sur* 3 (1): 7-15. Ref. Eng. Sum. 1975

027357 4 AM34P
Intercultivar competition in sunflower [varietal] test plots. Fick, G N; Swallers, C M *Agron J* 67 (6): 743-745. Nov/Dec 1975

027358 4 AM34P
Response of an early-maturing corn hybrid to planting date and population in the northern [Great] Plains [North Dakota]. Alessi, J; Power, J F *Agron J* 67 (6): 762-765. Ref. Nov/Dec 1975

027359 4 AM34P
Seed production of Kentucky bluegrass [Poa pratensis] associated with age of stand. Canode, C L; Law, A G *Agron J* 67 (6): 790-794. Ref. Nov/Dec 1975

027360 4 AM34P
Yield and quality of corn and grain sorghum grain and residues as influenced by N [nitrogen] fertilization. Perry, L J Jr; Olson, R A *Agron J* 67 (6): 816-818. Ref. Nov/Dec 1975

4 AM34P
Yield potential of soybean as related to soil compaction induced by farm traffic. Nelson, W E; Rahi, G S; Reeves, L Z *Agron J* 67 (6): 769-772. Ref. Nov/Dec 1975

027361 9 SO1
Advice for the soybean grower [Culture]. (Spa) *An Soc Rural Argent* 109 (1/2): 38-41. Jan/Feb 1975

027362 9 SO1
Behavior of exotic forage plants in Patagonia Austral [Varieties]. (Spa) Molina Sanchez, D *An Soc Rural Argent* 109 (1/2): 26-36. Jan/Feb 1975

027363 16 T63
Investigations on the technique of alfalfa cultivation in the Poirino area. (Ita) Luppi, G *Ann Accad Agric Torino* 116: 247-268. 1973/1974

027364 20 AN7
Yield, composition and dynamics of flora in grasslands for hay. (Fin) Raatikainen, M; Raatikainen, T *Ann Agric Fenn* 14 (2): 57-191. Maps. Ref. Eng. Sum. 1975

027365 20 AN7
Yield, composition and dynamics of flora in grasslands for hay in Finland. (Fin) Raatikainen, M; Raatikainen, T *Ann Agric Fenn* 14 (2): 57-191. Maps. Ref. Eng. Sum. 1975

027366 442.8 AN72
Effect of partial defoliation during the vegetative phase on subsequent growth and grain yield of maize. Allison, J C S; Wilson, J H; Williams, J H *Ann Appl Biol* 81 (3): 367-375. Ref. Dec 1975

027367 60.8 AR1
Fodder culture and protein provision of livestock. (Ger) Nosberger, J *Arb Gebiet Futterbaues* 19: 28-37. Aug 1975

027368 60.8 AR1
Marrowstem kale as the main crop [Forage plants, yields]. (Ger) Briner, H U *Arb Gebiet Futterbaues* 19: 44-53. Aug 1975

027369 60.8 AR1
Modification of the botanical composition and dry substance yield of grass and white clover mixtures from the use of different Dactylis varieties. (Ger) Guyer, H; Lehmann, J *Arb Gebiet Futterbaues* 19: 16-22. Aug 1975

027370 60.8 AR1
Mowing of nongrazed part of pasture land. (Fre) Caputa, J; Bokowiecki, F K; Twardy, S *Arb Gebiet Futterbaues* 19: 5-15. Aug 1975

027371 60.8 AR1
Successful sowing of seeded grasslands. (Fre) Thoni, E *Arb Gebiet Futterbaues* 19: 23-27. Aug 1975

027372 100 AR42F
The Delta Branch station [of the University of Arkansas, Agricultural Experiment Station, culture of field crops]. Williams, W; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 8-9. Nov/Dec 1975

027373 TP368.C4
Wheat production situation [Brazil]. (Por) Frattini, J de A *Bol Inst Tecnol Aliment* 41: 31-41. Mar 1975

027374 77.9 P212B
General trends of action of the Interprofessional Technical Center of Metropolitan Oil Crops during the next years. (Fre) Guilhaumaud, Y *Bull CETIOM (Cent Tech Interprof Ol Metrop)* 61: 3-6. Fourth Quarter 1975

027375 77.9 P212B
Technical program of the Interprofessional Technical Center of Metropolitan Oil Crops. Studies and tests carried out during the 1974-1975 season. (Fre) *Bull CETIOM (Cent Tech Interprof Ol Metrop)* 61: 7-21. Map. Fourth Quarter 1975

100 N813
Production potential of sugarbeets under irrigation in the West Oakes Irrigation District [Yields]. Bauer, A; Heimbuch, T; Cassel, D K; Zimmerman, L; North Dakota Agricultural Experiment Station *Bull N D Agric Exp Stn* 498, 94 P. Ref. Aug 1975

027376 107.6 M822
Studies on the regrowth of orchardgrass [Dactylis] under different season, cutting and fertilization. (Jpn) Watanabe, K *Bull Tohoku Natl Agric Exp Stn* 49, 59 P. Ref. Eng. Sum. Jan 1975

027377 S537.M3A2
Irrigated pastures in Nevada [Management]. Guenthner, H R; Jensen, E H; Speth, C F; Nevada University Cooperative Extension Service *C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno* 171, 4 P. Nov 1975

027378 450 C16
Algonquin alfalfa [cultivar]. Baenziger, H *Can J Plant Sci* 55 (4): 1093-1094. Oct 1975

027379 450 C16
Angus alfalfa [Early cultivar]. Baenziger, H *Can J Plant Sci* 55 (4): 1095-1096. Oct 1975

027380 450 C16
Annual forages seeding rates and mixtures for central Alberta. Walton, P D *Can J Plant Sci* 55 (4): 987-993. Ref. Oct 1975

027381 450 C16
Banff Kentucky bluegrass [dwarf cultivar of Poa pratensis]. Lebeau, J B; Hanna, M R *Can J Plant Sci* 55 (4): 1073-1074. Oct 1975

027382 450 C16
Kinkora: a jointworm-resistant barley [cultivar]. Sterling, J D E; MacLaren, R B *Can J Plant Sci* 55 (4): 1075-1076. Oct 1975

027383 450 C16
Perth barley [cultivars]. Reinbergs, E *Can J Plant Sci* 55 (4): 1089-1091. Oct 1975

027384 450 C16
Seedling competition of some grasses [Agropyron, Elymus] in mono- and mixed culture under greenhouse conditions. Smoliak, S; Johnston, A *Can J Plant Sci* 55 (4): 935-940. Ref. Oct 1975

027385 450 C16
Yield and morphological response of rape (Brassica campestris L. cv. Span) to irrigation and fertilizer treatments. Krogman, K K; Hobbs, E H *Can J Plant Sci* 55 (4): 903-909. Ref. Oct 1975

027386 450 C432
How we succeeded in obtaining high yield of wheat. (Chi) *Chih-wu Hsueh-pao* 17 (3): 188-192. Sept 1975

027387 450 C432
Increasing bumper harvest of three crops [wheat, early rice, late rice] within a year by applying the materialist dialectics. (Chi) *Chih-wu Hsueh-pao* 17 (3): 180-187. Sept 1975

027388 450 C432
Preliminary studies on the development of young spikes in the second crop of the double cropping rice. (Chi) Wu, I M *Chih-wu Hsueh-pao* 17 (3): 204-212. Sept 1975

027389 450 C432
The cultivation and management of winter wheat in the TibetAutonomous Region. (Chi) *Chih-wu Hsueh-pao* 17 (3): 198-203. Sept 1975

027390 450 C432
The growth and development indexes of cotton and a diagnosis of its high and consistent yield. (Chi) *Chih-wu Hsueh-pao* 17 (3): 193-197. Sept 1975

027391 450 C432
The relation between tillering capacity and cumulative temperature and its application in wheat culture. (Chi) Teng, K Y; Cheng, T W *Chih-wu Hsueh-pao* 17 (3): 222-230. Sept 1975

027392 475 C482
Exotic forage plants: their behavior in southern Patagonia [Culture]. (Spa) Molina Sanchez, D *Cienc Invest* 30 (9/10): 265-278. Sept/Oct 1974

027393 SB251.15C6
Enhanced cotton yields with minimum use of water. Singh, C; Jain, N K *Cotton Dev* 4 (3): 25-27. Oct 1974

027394 SB251.I5C6
'Planofix' for enhanced cotton yields. Padaki, G R; Dhananjaya Rao, V; Ramamurthy, A K; Rasool, S *Cotton Dev* 4 (3): 9-14. Oct 1974

027395 SB251.I5C6
Season and summer flush seeds and their influence on yield and quality of rainfed Karunganni cotton (Gossypium arboreum L.). Iyemperumal, S; Krishnadoss, D; Dharmalingam, V; Rajamai, A; Selvaraj, U *Cotton Dev* 4 (3): 6-8. Oct 1974

027396 SF208.C62
Sod-seeding [practices for] legumes in permanent pastures. Vandersall, J H; Decker, A M; Maryland University Cooperative Extension Service *Cow Moos* P. 1-2. Dec 1975

027397 44.9 M382
Clover nitrogen and pasture management. Brougham, R W; Jackman, R H *Dairyfarming Annu* 26th: 38-47. Apr 1975

027398 44.9 M382
The Massey Grass Meter [to assess the actual quantity of pasture]. Holmes, C W *Dairyfarming Annu* 26th: 26-30. Apr 1975

027399 44.9 M382
The use and abuse of new pasture cultivars: with special reference to 'Grasslands Matua' prairie grass. Rumball, W *Dairyfarming Annu* 26th: 48-58. Apr 1975

027400 SF221.D38
Looking after pastures in winter. Hewitt, A C T *Dairyman (Armadale)* 1 (3): 13. May 1975

027401 58.8 T677
As is the maize variety, so is the yield. (Ger) *DLZ (Die Landtech Z)* 26 (3): 156-157. Mar 1975

027402 58.8 T677
The forage beet is now ready for mechanization. (Ger) Sprengel, A *DLZ (Die Landtech Z)* 26 (3): 189. Mar 1975

027403 HD1945.A1E2
Cereal varieties seeded in 1975. (Fre) Guebriant, R de *Econ Agric* 29 (10): 24-26. Oct 1975

027404 275.29 W27MI
Alternatives to [grass seed] field burning. Francis, J comp; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3990, 5 P. Aug 1975

027405 HD9016.I4F3
The season try these new jowars [Durra, varieties]. *Farm Fact* 9 (9): 3-5. July 1975

027406 TX341.F3
Green Isle—a promising new variety of perennial ryegrass [Lolium perenne]. Ahloowalia, B S; Crowley, J *Farm Food Res* 6 (4): 96. July/Aug 1975

027407 22 F223
Factors responsible for discontinuance of hybrid jowar [durra] cultivation. Dudhani, C M; Jayaramaiah, K M; Ramachandra, K T *Farm J (Calcutta)* 16 (7): 16-18. May 1975

027408 286.81 F322
Climatic variability and world grain production [Yields]. Thompson, L M *Feedstuffs* 47 (51): 18-19, 22. Ref. Dec 15, 1975

027409 331.8 F69
Some major regional problems in tobacco growing and processing. (Hun) Oroshazy, L *Foldrajzi Ert* 23 (4): 459-470. 1974

027410 100 G295
Narrow row cotton—for Georgia? [Planting density]. Baker, S H; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 6-8. Summer 1975

027411 QH431.A1S25
Further multivariate analysis of the assortment of spring barley from several places during two years. (Ger) Weiling, F; Schott, C; Rod, J *Genet Slechteni* 11 (1): 55-68. Ref. Eng. Sum. Jan 1975

027412 17 SCH9
Practical use of mapping [for growing forage crops]. (Ger) Stadler, F *Grune* 103 (45): 13-18. Nov 7, 1975

027413 26 H27
The clover cultivar "Achziv". (Heb) Katznelson, J *Hassadeh* 56 (1): 11-12, 15-16. Oct 1975

027414 64.8 H66
Investigation on the efficiency of the reduction of submitted samples, carried on the model of grass and leguminous seed mixtures [Quality tests]. (Pol) Niemyski, K *Hodowla Rosl Aklim Inasiennic* 19 (2): 133-186. Eng. Sum. 1975

64.8 H66
Studies on some features of oil sunflower and their significance in breeding that plant in Poland. (Pol) Kloczowski, Z *Hodowla Rosl Aklim Inasiennic* 19 (2): 89-131. Ref. Eng. Sum. 1975

027415 64.8 H66
Usefulness of micromethods for determination of milling and baking quality of wheat grain. III. Comparison of qualitative characters and varieties and lines of wheat. (Pol) Malawko-Murawska, Z *Hodowla Rosl Aklim Inasiennic* 19 (3): 245-255. Eng. Sum. 1975

027416 SB110.G8
Photorespiration in relation to crop yield. Goldsworthy, A *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 329-348. Ref. 1975

SB110.G8
Physiological principles of dryland crop production. Arnon, I *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 3-145. Ref. 1975

027417 SB110.G8
Role of antitranspirants [reducing water loss from the plant] in arid agriculture. Davenport, D C; Hagan, R M *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 315-326. Ref. 1975

027418 S3.I5
Effect of presoaking seed treatment with indole-acetic-acid on wheat under different salinity regimes coupled with SAR and boron levels. Darra, B L; Saxena, S N *Indian J Agric Res* 8 (4): 215-220. Ref. Dec 1974

027419 S3.I5
Forage yield potential of some grasses. Singh, L N; Katoch, D C *Indian J Agric Res* 9 (1/2): 25-29. Mar/June 1975

027420 S3.I5
Response of wheat to nitrogen, phosphorus and potash under rainfed conditions. Agrawal, J P; Singh, S *Indian J Agric Res* 9 (1/2): 57-62. Mar/June 1975

027421 22 IN8
Better returns form summer rice. Hazra, S *Inten Agric* 12 (12): 5-8. Feb 1975

027422 10 J822
The effect on the yields of barley and kale of soil conditions induced by cultivation at high moisture content. Fisher, N M; Gooderham, P T; Ingram, J *J Agric Sci (Camb)* 85 (3): 385-393. Ref. Dec 1975

027423 10 J822
The response of swede [rutabaga] varieties and their hybrids to soil pH [hydrogen-ion concentration]. Denton, O A; Whittington, W J *J Agric Sci (Camb)* 85 (3): 395-401. Ref. Dec 1975

027424 49 J82
Yield and composition of midland bermudagrass [Cynodon dactylon] selected by beef cows and calves. Telford, J P; Horn, F P; McCroskey, J E; Stephens, D F; Whiteman, J V; Totusek, R *J Anim Sci* 41 (6): 1728-1734. Ref. Dec 1975

027425 56.9 IN2
Soil-moisture studies in fallow-barley rotation under mulches, antitranspirant and type of seed bed. Ali, M; Prasad, R *J Indian Soc Soil Sci* 23 (2): 163-171. Ref. June 1975

027426 56.9 IN2
Studies on root distribution pattern of some high yielding paddy varieties. Shukla, L M; Sen, B *J Indian Soc Soil Sci* 23 (2): 266-267. June 1975

027427 SB1.K4
Late maturing rice variety trial, Kern County 1975. Woodruff, D R; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 6. Nov 15, 1975

027428 SB1.K4
New wheat varieties. Woodruff, D R; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 7. Nov 15, 1975

027429 72.8 K522
A novelty in grading raw cotton. (Rus) Barer, N B; Gol'dberg, G A *Khlopkovodsto* 9: 43. Sept 1975

027430 72.8 K522
About the preparation for machine harvesting [of cotton]. (Rus) Augambaev, M A; IAshev, G IA *Khlopkovodsto* 8: 35-36. Aug 1975

027431 72.8 K522
Combined interrow tillage [of cotton]. (Rus) Kashkarov, A K; Babdzhanova, D A *Khlopkovodsto* 5: 15-17. May 1975

027432 72.8 K522
Cotton variety Tashkent 1 improved. (Rus) Shermatov, A; TSyba, A *Khlopkovodsto* 6: 32. June 1975

027433 72.8 K522
Effect of [the defoliant] Butifos in relation to the provision with water [of cotton plants]. (Rus) Mukhitdinov, U *Khlopkovodsto* 8: 34. Aug 1975

027434 72.8 K522
Improvement in production of the seeds of cotton. (Rus) Rakhimov, Kh R; Kratirov, O V; Rudenko, L S *Khlopkovodsto* 5: 30-31. May 1975

027435 72.8 K522
Methods of field testing of [cotton] varieties [against Verticillium wilt]. (Rus) Borisov, G N *Khlopkovodsto* 6: 29-31. June 1975

027436 72.8 K522
Preceding crops and the yields [of cotton]. (Rus) Malitskii, N A; Semibratov, A A *Khlopkovodsto* 8: 21-22. Aug 1975

027437 72.8 K522
The depth of plowing and the development of the root system [of cotton]. (Rus) Rashidov, Kh I; Kolesnik, N D *Khlopkovodsto* 9: 39-40. Sept 1975

027438 72.8 K522
The effectiveness of combined treatments of [cotton] stands. (Rus) Rashidov, Kh I; Davlatov, B *Khlopkovodsto* 6: 18-19. June 1975

027439 72.8 K522
The nutrient and irrigation regime of fine-fiber cotton. (Rus) Diuzhev, G A; Karakhanov, O M *Khlopkovodsto* 6: 20. June 1975

027440 72.8 K522
Ways of improving seed production of cotton in Azerbaijan. (Rus) Giul'akhmedov, Kh O *Khlopkovodsto* 9: 31-32. Sept 1975

027441 275.29 K13LE
Forrest soybean [Varieties]. Meyer, L J; Nickell, C D; Peterson, V H; Kansas State University Cooperative Extension Service *L Coop Ext Serv Kans State Univ* 459 [A], 4 P. Feb 1975

027442 275.29 T313
Tamcot SP21, SP23, SP37: cotton varieties. Bird, L; Texas Agricultural Experiment Station *L Tex A M Univ Tex Agric Exp Stn* 1358, 6 P. July 1975

027443 18 L2353
A discussion on the possibilities of soybean culture in the Federal Republic of Germany. (Ger) Bommer, D; Dambroth, M *Landbauforsch Volkenrode* 24 (2): 133-136. Eng. Sum. Dec 1974

027444 59.8 L39
An irrigated rice field in Goias. (Por) Mendes, F dos S *Lav Arroz* 28 (284): 38-40. Mar/Apr 1975

027445 49 B462
Pernes, J Rene, J Rene-Chaume, R. (Fre) Letenneur, L; Roberge, G; Messager, J L *L'elevage* (New Ser.) 28 (2): 239-264. Ref. Eng. Sum. 1975

027446 49 B462
Two dairy cattle per forage acre [Pasture management]. (Fre) Flaujac, J de *L'elevage* 45: 81, 83, 85, 87, 89. Nov 1975

027447 49 B462
United Kingdom, kingdom of grass [Pasture management]. (Fre) Peyraud, J C *L'elevage* 44: 41, 43, 45, 47, 49, 51. Map Oct 1975

027448 460.46 SO8
Veld types of South Africa [Pastures, varieties]. Acocks, J P H *Mem Bot Surv S Afr* 40, Ed 2, 128 P. Maps. 1975

027449 S13.M4
Use of grass covers for intensification of agricultural production and improvement of the environment [Culture, varieties, pastures, lawns]. (Cze) Krcmar, B; Bures, F *Metod Zavad Vysled Vyzk Praxe* 18, 34 P. Ref. 1975

027450 100 M66 (1)
Crop equivalent rating guide for soils of Minnesota [Yields, maize, wheat, alfalfa, Poa]. Rust, R H; Hanson, L D; Minnesota Agricultural Experiment Station *Misc Rep Minn Agric Exp Stn* 132, 40 P. Maps. Eng. Sum. 1975

027451 18 N39
Everything's almost perfect with single rows [Sugarbeet cultivation]. (Ger) Cantstetter, J *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1217-1218. Nov 20, 1975

027452 17 M69
Location and management of Italian ryegrass [Lolium multiflorum] meadow. (Ger) Dietl, W; Lehmann, J *Mitt Schweiz Landwirtsch* 23 (10): 185-194. Oct 1975

027453 17 M69
Observations on a ten year crop rotation test of the Changins Research Institute [Agronomy]. (Ger) Vez, A *Mitt Schweiz Landwirtsch* 23 (11): 219-228. Ref. Nov 1975

027454 17 M69
Results of the 1974 main research with summer cereal and maize varieties. (Ger) Menzi, M; Weilenmann, F; Popow, G; Bronnimann, A; Saurer, W *Mitt Schweiz Landwirtsch* 23 (9): 169-182. Map. Sept 1975

027455 17 M69
Results of the Swiss post control test with sugarbeet varieties from 1971 to 1974. (Ger) Vullioud, P; Huber, W; Meyer, H *Mitt Schweiz Landwirtsch* 23 (11): 209-218. Nov 1975

027456 17 M69
Swiss varieties in the 1975 cereal cultivation. (Ger) Ruegger, A *Mitt Schweiz Landwirtsch* 23 (10): 194-206. Oct 1975

027457 100 T31M
Corn performance tests in Texas, 1974 [Yield, varieties]. Walker, H J; Bockholt, A J; Pietsch, D; Fojt, F III; Texas Agricultural Experiment Station *MP Tex Agric Exp Stn* 1227, 52 P. Map. Sept 1975

027458 100 T31M
Grain sorghum performance tests in Texas, 1974 [Yields]. Walker, H J; Rosenow, D T; Miller, F R; Pietsch, D; Texas Agricultural Experiment Station *MP Tex Agric Exp Stn* 1226, 103 P. Maps. Sept 1975

027459 S542.A1N45
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions [Lolium multiflorum]. Janson, C G *N Z J Exp Agric* 3 (3): 229-234. Sept 1975

027460 S542.A1N45
Legume establishment on low fertility semi-arid tussock grasslands. Clifford, P T P *N Z J Exp Agric* 3 (3): 235-238. Sept 1975

027461 S542.A1N45
Seasonal distribution of pasture production in New Zealand. VII. Masterton (Wairarapa) and Maraekakaho (Hawke's Bay). Radcliffe, J E *N Z J Exp Agric* 3 (3): 259-265. Ref. Sept 1975

027462 60.9 J27
Comparison of productivity between semi-natural Miscanthus sward and improved orchardgrass [Dactylis]-ladino clover mixture. (Jpn) Sato, K; Sakai, H; Sato, T *Nippon Sochi Gakkai Shi* 21 (2): 73-78. Ref. Eng. Sum. July 1975

027463 60.9 J27
Improvement of surface sowing in grassland establishment. V. Making pelleted seeds with pelleter and its effects on early growth of pasture species. (Jpn) Hirota, H; Kawato, S *Nippon Sochi Gakkai Shi* 21 (2): 96-101. Eng. Sum. July 1975

027464 464.9 P482
Poor seed means a poor harvest [Cereal culture]. (Ger) Zwatz, B *Pflanzenarzt* 28 (9): 104-105. Sept 1975

027465 325.28 P56
Plant, soil and shadow reflectance components of row crops [Corn, cotton, sorghum, remote sensing]. Richardson, A J; Wiegand, C L; Gausman, H W; Cuellar, J A; Gerbermann, A H *Photogramm Eng Remote Sensing* 41 (11): 1401-1407. Ref. Nov 1975

027466 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 6 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-6, 4 P. Map. Dec 1975

027467 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 4 Bottomland [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-4B, 4 P. Map. Dec 1975

027468 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 3 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-3, 4 P. Map. Dec 1975

027469 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 1 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-1, 4 P. Map. Dec 1975

027470 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 2 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-2, 4 P. Map. Dec 1975

027471 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 5 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-5, 4 P. Map. Dec 1975

027472 275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 4 Upland [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-4U, 4 P. Map. Dec 1975

027473 HD9435.N45P6
Progress report on seed protein trials 1974/75 [Forage crops]. Withers, N J *Pork Ind Gaz* 5 (3): 15-16. June 1975

027474 S293.C6N31
Effect of nitrogen application spacing and planting method on two varieties of sunflower. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 59-63. 1974

027475 281.9 B87
Hard wheat culture in autumn seeding in the northern part of France. (Fre) Senechal, F *Prod Agric Fr* 51 (176): 15-16. Sept 15, 1975

027476 275.29 M313
Barley production in Manitoba. *Pub (Manit Dep Agric)* 478, Rev. 2 P. 1975

027477 275.29 M313
Cultural practices [Field crops]. *Pub (Manit Dep Agric)* 491, Rev. 4 P. 1975

027478 275.29 M313
Flax production in Manitoba. *Pub (Manit Dep Agric)* 474, Rev. 2 P. 1975

027479 275.29 M313
Good seed [Barley, wheat]. *Pub (Manit Dep Agric)* 473, Rev. 4 P. 1975

027480 275.29 M313
Oat production in Manitoba. *Pub (Manit Dep Agric)* 479, Rev. 2 P. 1975

027481 275.29 M313
Rye production in Manitoba. *Pub (Manit Dep Agric)* 477, Rev. 3 P. 1975

027482 275.29 M313
Special crops for Manitoba. *Pub (Manit Dep Agric)* 472, Rev. 3 P. 1975

027483 275.29 M313
Wheat production in Manitoba. *Pub (Manit Dep Agric)* 476, Rev. 2 P. 1975

027484 S537.M3A24
One thousand pounds of finished beef per acre? [Pasture management]. Robison, J P; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 31-34. Feb 1975

027485 S537.M3A24
Practical meadow improvement [Culture]. Turner, R; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 27. Feb 1975

027486 S537.M3A24
The questionable Nevada Report? [Range management policies]. Rhoads, D A; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 9-10. Feb 1975

027487 S537.M3A24
Use of more forage to produce beef—crested wheat seedings. Secrist, D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 21. Feb 1975

027488 S537.M3A24
Value of public land to the ranch forage system [Range management]. Boies, E; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 7-8. Feb 1975

027489 S537.M3A24
1975 proceedings, Nevada/California beef conference [Cattle grazing, pasture management]. Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103, 34 P. Feb 1975

027490 S15.R46
Wheat in the rural extension program of Angola [Culture]. (Por) *Reordenamento* 37: 32-38. Map. Jan/Feb 1975

027491 107.6 H68
Grassland vegetation analysis using remote sensing techniques. 3. Spectral reflectance of plants as a base of multispectral photo interpretation. (Jpn) Takahata, S *Res Bull Hokkaido Natl Agric Exp Stn* 109: 61-71. Eng. Sum. Dec 1974

027492 107.6 H68
Grassland vegetation analysis using remote sensing techniques. 4. Multispectral photo interpretation of vegetation for the purpose of grassland planning. (Jpn) Takahata, S; Hayakawa, Y *Res Bull Hokkaido Natl Agric Exp Stn* 109: 73-85. Maps. Eng. Sum. Dec 1974

027493 107.6 H68
New cultivar of silage corn, "Hokuyu" [Varieties]. (Jpn) Kaneko, K; Hasegawa, H; Inoue, Y; Abe, M; Toda, S *Res Bull Hokkaido Natl Agric Exp Stn* 110: 97-111. Ref. Eng. Sum. Jan 1975

027494 107.6 H68
On the estimation of the productivity of orchardgrass [Dactylis glomerata] swards in Hokkaido. (Jpn) Kubota, F; Agata, W *Res Bull Hokkaido Natl Agric Exp Stn* 109: 115-130. Dec 1974

027495 107.6 H68
Studies on the landscape management of pasture land using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of environmental preservation. (Jpn) Hayakawa, Y; Takahata, S *Res Bull Hokkaido Natl Agric Exp Stn* 109: 27-47. Ref. Eng. Sum. Dec 1974

027496 100 N465R
Double cropping and fertility levels under irrigation in eastern New Mexico [Sorghum, barley]. Fuehring, H D; Malm, N R; Finkner, R E; New Mexico Agricultural Experiment Station *Res Rep N M Agric Exp Stn* 300, 5 P. Aug 1975

027497 100 OK4M
New Bluestems [Agropyron smithi] from the Old World [Range management]. Horn, F P; Taliaferro, C M; Jackson, W G; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 40-41. Oct 1975

027498 13 R322
Is it possible to obtain yields of 10 ton/hectare of grain? (Fre) Kempeneers, L *Rev Agric (Brux)* 28 (4): 845-868. Ref. Eng. Sum. July/Aug 1975

027499 43.8 R32
It is the season for legumes [Pasture management]. (Por) Rocha, G L da *Rev Criad* 45 (540): 28-31. Jan 1975

027500 S5.R4
New varieties of Dactylis [glomerata], meadow fescue [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for forage production. (Fre) Charles, J P; Lehmann, J; Cardasol, V *Rev Suisse Agric* 7 (5): 145-151. Sept/Oct 1975

027501 S5.R4
Test in view of reducing the effects of monoculture on wheat by the application of various cultural measures. (Fre) Vez, A *Rev Suisse Agric* 7 (5): 153-158. Ref. Sept/Oct 1975

027502 60.9 C46
Annual report of the Tussock Grasslands and Mountain Lands Institute for the year 1973/74. *Rev Tussock Grassl Mt Lands Inst* 31: 89-98. Ref. 1975

027503 SF1.R54
Maize culture: spaced sowing. (Ita) Francia, E *Rilancio Agric Vet Zootec* 5 (5/6): 8-9. 1974

027504 100 P381S
New soybean varieties analyzed for the state. Yocum, J O; Cole, R H; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 13. Fall 1975

027505 100 P381S
$28 million added cash from state hybrid corn during last 14 years [Yields]. McGahen, J H; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 6-7. Fall 1975

027506 61.9 SE5
Australian specimens of common wheat [Variety testing in USSR]. (Rus) Ishankulov, Kh *Sel Semenovod (Mosk)* 3: 78-79. May/-June 1975

027507 61.9 SE5
Certain problems of theory and practice of seed production. (Rus) Nikitenko, G F *Sel Semenovod (Mosk)* 4: 50-55. Jul/Aug 1975

027508 61.9 SE5
Combine harvesting of seed crops of flax. (Rus) Shemit, F I *Sel Semenovod (Mosk)* 4: 70. Jul/Aug 1975

027509 61.9 SE5
Comparative evaluation of the field and laboratory methods of determining the variety purity of seeds [of wheat]. (Rus) Demkin, P P; Zakharova, N V *Sel Semenovod (Mosk)* 4: 60-62. Jul/Aug 1975

027510 61.9 SE5
New promising varieties of proso. (Rus) Tarasova, L E *Sel Semenovod (Mosk)* 4: 48-49. Jul/Aug 1975

027511 61.9 SE5
Prospects of mechanizing the after-harvest treatment and storage of cereal seeds. (Rus) Aniskin, V I; Elizarov, V P *Sel Semenovod (Mosk)* 3: 58-61. May/June 1975

027512 61.9 SE5
Seed production of polyploid sugarbeets by the method of steckling [planting]. (Rus) Snegur, G P *Sel Semenovod (Mosk)* 4: 73. Jul/Aug 1975

027513 61.9 SE5
Strong spring wheat [variety] Zarnitsa. (Rus) Dergachev, K V; Razumovskii, A G; Daineko, O P *Sel Semenovod (Mosk)* 4: 46-48. Jul/Aug 1975

027514 61.9 SE5
Summer sowings of mother [plantations] of sugarbeets as a factor of increasing the quality of polyploid seeds. (Rus) Dobrotvortseva, A V; Palapina, L M *Sel Semenovod (Mosk)* 4: 57-59. Jul/Aug 1975

027515 61.9 SE5
The experience of organizing seed production [of cereals, lupine, fiber flax and potatoes]. (Rus) Bogomolov, A M; Shevtsov, A K *Sel Semenovod (Mosk)* 3: 43-46. May/June 1975

027516 61.9 SE5
The most widespread sorghum varieties [in Guinea]. (Rus) Bakhareva, S N *Sel Semenovod (Mosk)* 3: 66-67. May/June 1975

027517 61.9 SE5
The quality of spring wheat seeds. (Rus) Antonov, I V; Tereshchenko, R I; Zozulia, B A; Shmidt, V G *Sel Semenovod (Mosk)* 3: 74-75. May/June 1975

027518 61.9 SE5
The results of studying [Soviet] peanut varieties [in Guinea]. (Rus) Nikliaev, V S *Sel Semenovod (Mosk)* 3: 68-69. May/June 1975

027519 61.9 SE5
The results of state variety testing [of field and horticultural crops] for 1974. (Rus) Nazarenko, K S *Sel Semenovod (Mosk)* 4: 40-46. Jul/Aug 1975

027520 61.9 SE5
The testing of Soviet-bred rice varieties [in Guinea]. (Rus) Nikliaev, V S *Sel Semenovod (Mosk)* 3: 67-68. May/June 1975

027521 61.9 SE5
To raise the level of sunflower seed production. (Rus) Buriakov, IU P; Kopytina, T M *Sel Semenovod (Mosk)* 3: 41-43. May/June 1975

027522 61.9 SE5
Utilization of mathematical methods in planning the production of high quality seeds [of cereals]. (Rus) Boldyrev, M V; Aslanian, E A *Sel Semenovod (Mosk)* 4: 64-66. Jul/Aug 1975

027523 61.9 SE5
Ways of introducing new varieties [of field crops] into production. (Rus) Nasypaiko, V M; Chaika, V G *Sel Semenovod (Mosk)* 3: 47-49. May/June 1975

027524 9.3 SI4
Agricultural investigation and its influence on Chilean agriculture: wheat and maize [Culture, yields]. (Spa) Cortazar Sagarminaga, R *Simiente* 45 (1): 28-33. Ref. Jan/-Mar 1975

027525 409.6 SO8
Primary shoot production of blue grama [Bouteloua gracilis]grassland in south-central New Mexico under two soil nitrogen levels. Pieper, R D; Dwyer, D D; Banner, R E *Southwest Nat* 20 (3): 293-302. Ref. Oct 10, 1975

027526 100 AR42SP
Small grains for pasture. Collins, F C; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 16-17. Oct 1975

027527 100 M66 (2)
Effect of six 4-year rotations on yield, quality, and monetary return of sugarbeets in the Red River Valley (1971-74). Soine, O C; Minnesota Agricultural Experiment Station *Stn Bull Agric Exp Stn Univ Minn* 514, 11 P. 1975

027528 69.8 T112
Outdated methods of work [in tobacco industry] should be abandoned. (Rus) Skiba, G M *Tabak* 2: 7-10. 1975

027529 69.8 T112
The experience of growing American varieties of Virginia tobacco in Bulgaria. (Rus) Stoimanov, I *Tabak* 3: 59-61. 1975

027530 58.9 L542
Influnece of varied soil cultivation and sowing speeds on yields of agricultural crops [Cereals, culture, mechanization]. (Rus) Nikiforov, P E *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 3-51. 1974

027531 290.9 AM32T
Moisture availability and crop production. Hargreaves, G H *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 980-984. Ref. Sept/Oct 1975

027532 64.8 Z12
Accelerated improvement of winter rye with production of two generations in the course of one year. (Cze) Natrova, Z; Machan, F *Uroda* 23 (8): 285-286. Aug 1975

027533 64.8 Z12
Auxiliary methods for determining the time of the ripeness of grasses [Lolium, harvesting]. (Cze) Gaborcik, S *Uroda* 23 (7): 256-257. July 1975

027534 64.8 Z12
Basic demands on sugarbeets as a raw material for the sugar industry. (Cze) Schmidt, L *Uroda* 23 (8): 305-306. Aug 1975

027535 64.8 Z12
Care of alfalfa undercrops. (Cze) Strnad, P *Uroda* 23 (7): 271-272. July 1975

027536 64.8 Z12
Consequential decisions of the State Commission of Varieties [Field crops]. (Cze) Rus, L; Drasar, J *Uroda* 23 (5): 172-173. May 1975

027537 64.8 Z12
Cultural and technological assuring of raw materials for hot air dryers in higher districts [Field crops]. (Cze) Halva, E; Lesak, J *Uroda* 23 (8): 311-313. Aug 1975

027538 64.8 Z12
Determination of optimum harvesting time of forage plants according to fodder digestibility. (Cze) Mika, V; Nasinec, J *Uroda* 23 (8): 299-301. Aug 1975

027539 64.8 Z12
Experiments and results of desiccation of grass seed crops [Defoliation]. (Cze) Dohnal, J *Uroda* 23 (7): 272-273. July 1975

027540 64.8 Z12
Homegrown and foreign-grown sugarbeet varieties in the experiments of the Central Agricultural Control and Testing Institute in the Period from 1970 to 1973. (Cze) Karaman, L *Uroda* 23 (7): 263-264. July 1975

027541 64.8 Z12
Information from the cultivation of Czechoslovak and foreign soybean varieties. (Cze) Hajek, D *Uroda* 23 (5): 180-182. May 1975

027542 64.8 Z12
Intensification of forage plant production. (Cze) Frycek, A *Uroda* 23 (5): 192-193. May 1975

027543 64.8 Z12
Legume culture and improvement in the USSR. (Cze) Zlamal, P *Uroda* 23 (7): 260-261. July 1975

027544 64.8 Z12
Maize research in Yugoslavia. (Cze) Hertl, F *Uroda* 23 (8): 293. Aug 1975

027545 64.8 Z12
Method of ascertaining cereal losses during harvesting. (Cze) Maler, J *Uroda* 23 (8): 294-296. Aug 1975

027546 64.8 Z12
Milona, a new variety of orchardgrass. (Cze) Nasinec, J *Uroda* 23 (8): 307-308. Aug 1975

027547 64.8 Z12
Minimum cultivation of soil from the viewpoint of crop rotation productivity and economics [Sugarbeet culture]. (Cze) Suskevic, M *Uroda* 23 (4): 126-128. Apr 1975

027548 64.8 Z12
New techniques for sugarbeet cultivation. (Cze) Hlavacek, J; Mojzis, V *Uroda* 23 (5): 190-191. May 1975

027549 64.8 Z12
New 1974 varieties: Valaska tufted red fescue [Festuca rubra, yields]. (Cze) Krcmar, B; Jurecka, A *Uroda* 23 (4): 152-154. Apr 1975

027550 64.8 Z12
New 1974 varieties: Kvart red clover [Yields]. (Cze) Svetlik, V; Fojtik, A *Uroda* 23 (5): 194-197. May 1975

027551 64.8 Z12
New 1974 varieties: Dargov tetraploid meadow clover. (Cze) Nagy, K *Uroda* 23 (7): 264-266. July 1975

027552 64.8 Z12
Problems in the intensification of perennial forage plants. (Cze) Kopriva, J *Uroda* 23 (4): 155-156. Apr 1975

027553 64.8 Z12
Use of urea and growth substances in winter rye and oats [Yields]. (Cze) Ulmann, L *Uroda* 23 (4): 134-136. Apr 1975

027554 64.8 Z12
Yield of winter wheat in relation to preceding crops and fertilizers. (Cze) Pokorny, V *Uroda* 23 (7): 247-248. July 1975

027555 100 UT1F
Do tillage practices affect wheat yields? Nielson, R F; Van Epps, G A; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 110-114. Sept 1975

027556 100 UT1F
Fourwing saltbush [Atriplex canescens] for land rehabilitation in Iran and Utah [Range management]. Moghaddam, M R; McKell, C M; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 114-116. Sept 1975

027557 19.5 C333
Research on grain quality at the All-Union Breeding and Genetics Institute of the Lenin Academy of Agricultural Sciences [USSR]. (Cze) Prugar, J *Vestn Cesk Akad Zemed* 22 (4): 147-149. 1975

027558 20 V82
Effectiveness of seeded fallow and bare fallow in the southcentral forest-steppe region of the Ukraine. (Ukr) Danylevs'kyi, O P *Visn Sil's'kohospod Nauki* 9: 42-45. Sept 1975

027559 20 V82
Harvesting dates for stubble residues of meadow grass seed plants [Festuca, Bromus]. (Ukr) Polovyi, M P *Visn Sil's'kohospod Nauki* 9: 69-72. Sept 1975

027560 20 V82
Moisture supply and yield of sugarbeets in various groups of rotated crops. (Ukr) Bilous, H M; Lebid', IE M *Visn Sil's'kohospod Nauki* 7: 43-46. July 1975

027561 20 V82
Norms and dates of planting and embedding of seeds of polyploid sugarbeets. (Ukr) Horodnii, M H; Hlevas'kyi, I V *Visn Sil's'kohospod Nauki* 9: 37-42. Sept 1975

027562 20 V82
Productivity of grain crops in rotations of the southeastern districts of the Ukrainian steppes. (Ukr) Sokruta, I F *Visn Sil's'kohospod Nauki* 6: 28-32. June 1975

027563 20 V82
Quality of seeds and yield of winter wheat. (Ukr) Pidvysots'kyi, V F *Visn Sil's'kohospod Nauki* 9: 33-37. Sept 1975

027564 20 V82
The effect of the structure of crop rotation on the composition of humus and nitrogen in soddy-podzolic soil. (Ukr) Staryns'kyi, H V *Visn Sil's'kohospod Nauki* 7: 46-48. July 1975

027565 20 V82
The role of meadow leguminous grasses in increasing productivity of cultivated pastures. (Ukr) Bohovina, A V *Visn Sil's'kohospod Nauki* 7: 53-58. July 1975

027566 292.8 W295
Factors influencing infiltration and sediment production of semiarid rangelands in Nevada. Blackburn, W H *Water Resour Res* 11 (6): 929-937. Ref. Dec 1975

027567 281.8 W892
Growing leguminous pastures on the Lilongwe Plain. Thomas, D *World Crops* 27 (6): 258-260. Map. Nov/Dec 1975

027568 18 J825
The influence of distance between rows and crop density on grain yield and dry matter content in grain maize. (Ger) Hepting, L; Zscheischler, J *Z Acker Pflanzenbau* 141 (3): 178-186. Ref. Eng. Sum. Oct 1975

027569 SB183.Z4
Determination of cereal losses during harvesting and ways of reducing them. (Rus) Omutov, A F *Zernovoe Khoz* 6: 27-30. June 1975

027570 SB183.Z4
Express method of determining the productiveness of cereal crops. (Rus) Barabash, G I *Zernovoe Khoz* 6: 30-31. June 1975

027571 SB183.Z4
High yields on large areas [Sunflower culture]. (Rus) Seliverstova, E P *Zernovoe Khoz* 6: 39-40. June 1975

027572 SB183.Z4
Inter-row cultivation and irrigation of sunflower stands. (Rus) Borukaev, R M *Zernovoe Khoz* 6: 40-41. June 1975

027573 SB183.Z4
Large-grained buckwheat varieties. (Rus) Petelina, N N *Zernovoe Khoz* 6: 36. June 1975

027574 SB183.Z4
New varieties [Cereals]. (Rus) Beliakov, I I *Zernovoe Khoz* 6: 37-38. June 1975

027575 SB183.Z4
Preceding crops and wheat yield. (Rus) Gorobchenko, M M *Zernovoe Khoz* 6: 35. June 1975

027576 SB183.Z4
Reserves of growth [Sunflower culture]. (Rus) Gordienko, L M; Mamonov, I F; Cherzhentseva, M I; Nazarko, T I *Zernovoe Khoz* 6: 46-47. June 1975

027577 SB183.Z4
Technology of soybean cultivation for grain [Yields]. (Rus) Vasil'ev, D S; Semikhnenko, P G; Marin, V I *Zernovoe Khoz* 6: 41-43. June 1975

027578 SB183.Z4
There are still reserves [Peas as a forage plant, agrotechnology]. (Rus) Grigorenko, M N; Lysiuk, V M *Zernovoe Khoz* 6: 32-33. June 1975

027579 SB183.Z4
Yield and quality of sunflower seeds. (Rus) Spitsyn, V P; Pogozheva, M F *Zernovoe Khoz* 6: 43-45. June 1975

027580 49 Z6
Effectiveness of cultivated pastures in Karelia. (Rus) Kozlova, G N *Zhivotnovodstvo* 6: 39-40. June 1975

027581 49 Z6
Multiple cutting of sown grasslands in the central Urals [Hay yields, composition, costs]. (Rus) Mel'nichuk, V P; Kardashin, B M *Zhivotnovodstvo* 6: 32-35. June 1975

027582 49 Z6
Organization of unbroken sequence of forage plants [Yields]. (Rus) Krainiuk, S M; Mel'nikov, M M; Lepikhin, A D *Zhivotnovodstvo* 6: 37-38. June 1975

HORTICULTURAL CROPS —CULTURE

027583 S544.3.W6W53
Forage crop varieties and seeding mixtures for 1976. Rohweder, D A; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1525, 15 P. Jan 1976

027584 S544.3.W6W53
Sweetcorn [Culture]. Andrew, R H; Oplinger, E S; Powell, R D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2343, Rev., 8 P. Oct 1975

027585 S544.3.W6W53
Vegetable cultivars and planting guide for Wisconsin gardens 1976. Combs, O B; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1653, Rev., 3 P. Jan 1976

027586 S544.3.W6W53
Wisconsin cranberry lore [Cultural history]. Klingbeil, G C; Rawson, J M; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2292, 12 P. July 1975

027587 80 AC82
A need for uniformity in terminology and data requirements for research on bulbous species. De Hertogh, A A *Acta Hortic* 47: 39-44. Ref. June 1975

027588 80 AC82
Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to prevent flower-bud abscission [Varieties, forcing]. Durieux, A J B *Acta Hortic* 47: 237-240. June 1975

027589 80 AC82
Analytical methods for peat substrates [used in growing of horticultural plants]. White, J W; Fletcher, R F; Thomas, R J; Long, M N *Acta Hortic* 50: 157-163. May 1975

027590 80 AC82
Banana trials in northern Sudan. Biely, M I; el Fahal, A; Minessy, F A; Abdulla, A F *Acta Hortic* 49: 275-280. July 1975

027591 80 AC82
Bulb growing in England and Wales. Moore, A *Acta Hortic* 47: 17-23. June 1975

027592 80 AC82
Bulb growing in Scotland. Turner, D H *Acta Hortic* 47: 25-29. June 1975

027593 80 AC82
Bulb research, development and international cooperation. Schenk, P K *Acta Hortic* 47: 31-38. June 1975

027594 80 AC82
Carnation [Dianthus caryophyllus] production timed for flowers in November-December [Hungary]. Kokas, G *Acta Hortic* 51: 237-242. Aug 1975

027595 80 AC82
Container production of cashew seedling rootstocks—seed germination in beds as an alternative to direct sowing. Adams, B R *Acta Hortic* 49: 99-108. July 1975

027596 80 AC82
Cutting and cropping in artificial media [Horticultural plants, potting soil substitutes]. Verwer, F L J A W *Acta Hortic* 50: 13-20. May 1975

027597 80 AC82
Determination of the optimum sowing date for eggplant and sweet pepper grown in the Sudan for export. Abdel-Al, Z E *Acta Hortic* 49: 175-183. July 1975

027598 80 AC82
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). Milhet, Y; Costes, C *Acta Hortic* 51: 201-211. Aug 1975

027599 80 AC82
Effects of daylength and temperature on shoot and flower production of Gerbera. Leffring, L *Acta Hortic* 51: 263-265. Aug 1975

027600 80 AC82
Factors affecting flowering in Regal Pelargonium (Pelargonium x Domesticum Bail) [Temperature, light]. Nilsen, J H *Acta Hortic* 51: 299-309. Aug 1975

027601 80 AC82
Field trials on Dwarf Cavendish bananas in southern Malawi. I. Spacing and pruning. Spurling, D; Spurling, A T *Acta Hortic* 49: 259-262. July 1975

027602 80 AC82
Fruit crops teaching and research at the University of Science and Technology, Kumasi, Ghana. Norman, J C *Acta Hortic* 49: 27-31. Ref. July 1975

027603 80 AC82
Gladiolus corm curing and storage environments in relation to flower production. Magie, R O *Acta Hortic* 47: 267-276. Ref. June 1975

027604 80 AC82
Growing deciduous fruit trees in the tropics, a new approach to an old problem. Giesberger, G *Acta Hortic* 49: 109-111. July 1975

027605 80 AC82
Growing vegetable crops in rockwool and other media [Lettuce, tomatoes, cucumbers]. Verwer, F L J A W *Acta Hortic* 50: 61-67. May 1975

027606 80 AC82
Growing [glasshouse] tomatoes in peat substrates. Moorat, A E *Acta Hortic* 51: 117-121. Aug 1975

027607 80 AC82
Growth and development of young tomato plants [in greenhouse culture]. Klapwijk, D; Lint, P J A L de *Acta Hortic* 51: 147-161. Ref. Aug 1975

027608 80 AC82
Industrial [horticultural] crop production [Mechanization and automation]. Germing, G H *Acta Hortic* 51: 343-348. Aug 1975

027609 80 AC82
Influence of climatical conditions on growth and flower yield of Anthurium andreanum. Leffring, L *Acta Hortic* 51: 63-68. Aug 1975

027610 80 AC82
Influence of stage of development at planting on flowering and fruiting in tomato. Morgan, J V; Clarke, E J *Acta Hortic* 51: 131-145. Ref. Aug 1975

027611 80 AC82
Influence of temperature, photoperiod and container size on the growth rate and development of tomato plants in growing rooms. Morgan, J V; Clarke, E J *Acta Hortic* 51: 77-87. Aug 1975

027612 80 AC82
Influence of the water status on the growth and fruit setting of pepper and eqqplant in protected cultivation. (Fre) Pochard, E; Cornillon, P *Acta Hortic* 51: 175-184. Eng. Sum. Aug 1975

027613 80 AC82
Introductory address: 75 years research of protected cultivation [Horticultural crops]. Stadhouders, P J *Acta Hortic* 51: 13-18. Aug 1975

027614 80 AC82
Investigations on optimum plant population for pineapples in Kenya. Madumadu, G *Acta Hortic* 49: 245-249. July 1975

027615 80 AC82
Light-dependent control [system] of day temperature for early tomato crops. Calvert, A; Slack, G *Acta Hortic* 51: 163-168. Aug 1975

027616 80 AC82
Macadamia nut selection programme in Kenya. Gathungu, C N; Likimani, E P *Acta Hortic* 49: 231-236. July 1975

80 AC82
Natural convection heat transfer in covered plant canopies [Electrical system]. Iqbal, M; Stoffers, J A *Acta Hortic* 51: 37-48. Ref. Aug 1975

027617 80 AC82
New concepts in horticultural research and production (in Africa). Ticho, R J *Acta Hortic* 49: 23-26. July 1975

027618 80 AC82
Observations on vegetative propagation of avocados (Persea americana) at Thika. Maganjo, M *Acta Hortic* 49: 91-94. July 1975

027619 80 AC82
Optimum temperature and duration of low-temperature treatment for forcing tulips. Kawata, J *Acta Hortic* 47: 201-208. June 1975

027620 80 AC82
Peat and other organic materials repeatedly used for greenhouse grown vegetables. Pudelski, T *Acta Hortic* 50: 53-59. May 1975

027621 80 AC82
Peat as a forcing medium for tulips. Boon, J van der *Acta Hortic* 50: 69-82. May 1975

027622 80 AC82
Peat substrate as a growing medium for cucumbers. Sonneveld, C; Voogt, S J *Acta Hortic* 50: 45-52. May 1975

027623 80 AC82
Plantwetting and evaporative cooling of greenhouse roses and other flower crops. Post, C J van der; Bokhorst, D *Acta Hortic* 51: 61-62. Aug 1975

027624 80 AC82
Potential new systems for perennial tropical fruit crops. Huxley, P A *Acta Hortic* 49: 33-42. Ref. July 1975

027625 80 AC82
Progress in the promotion of flowering in lilies [Lilium speciosumin varieties] by supplementary illumination. Boontjes, J; Durieux, A J B; Kamerbeek, G A *Acta Hortic* 51: 261-262. Aug 1975

027626 80 AC82
Seasonal changes in grapefruit harvested from three different regions of Greece. Karaoulanis, G; Margaris, N *Acta Hortic* 49: 215-218. July 1975

027627 80 AC82
Second international symposium on flower bulbs, Littlehampton-Skegness, 1-6 April 1974. International Symposium on Flower Bulbs, 2d, Littlehampton; Skegness, 1974 *Acta Hortic* 47, 426 P. June 1975

027628 80 AC82
Soil cooling for Freesia's. Dijkhuizen, T; Holsteyn, G P A van *Acta Hortic* 51: 123-130. Aug 1975

027629 80 AC82
Spacing experiments on bulbs: principles and practice [Planting densities]. Rees, A R *Acta Hortic* 47: 391-396. June 1975

027630 80 AC82
Status of banana production in Ethiopia. Bezuneh, T *Acta Hortic* 49: 271-274. July 1975

027631 80 AC82
Successive crops in plastic houses with low level of heating. Korodi, L *Acta Hortic* 51: 69-76. Aug 1975

027632 80 AC82
Supplementary lighting for spray chrysanthemums [Varieties]. Canham, A E *Acta Hortic* 51: 253-260. Aug 1975

027633 80 AC82
Symposium on peat in horticulture, Noordwijk, 7-11 April 1975. *Acta Hortic* 50, 171 P. May 1975

027634 80 AC82
Symposium on protected cultivation of flowers and vegetables, Scheveningen, 13-16 May 1975. Symposium on Protected Cultivation of Flowers and vegeta; Bles, Scheveningen, 1975 *Acta Hortic* 51, 361 P. Aug 1975

027635 80 AC82
Temperature and daylength requirements of Alstroemeria. Noordegraaf, C V *Acta Hortic* 51: 267-274. Aug 1975

027636 80 AC82
The demands set by programmed watering and feeding [of plants] on the growing medium [Peat, Sphagnum moss]. Puustjarvi, V *Acta Hortic* 50: 27-34. May 1975

027637 80 AC82
The effect of steam sterilisation of soil on the manganese uptake by glasshouse crops. Sonneveld, C; Voogt, S J *Acta Hortic* 51: 311-319. Ref. Aug 1975

027638 80 AC82
The effects of long days on the flowering of spray carnations [Dianthus caryophyllus varieties]. Beisland, A *Acta Hortic* 51: 225-235. Aug 1975

027639 80 AC82
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. Hand, D W; Cockshull, K E *Acta Hortic* 51: 243-252. Ref. Aug 1975

027640 80 AC82
The effects of plant population, irrigation frequency and cultivars on yield and canning qualities of tomato fruits grown under hot tropical conditions. Abdel-Al, Z E; Saeed, A *Acta Hortic* 49: 193-208. Ref. July 1975

027641 80 AC82
The influence of the time of propagation, pinching and shortday treatment on the growth and development of Euphorbia pulcherrima. Christensen, O V *Acta Hortic* 51: 275-283. Ref. Aug 1975

027642 80 AC82
The influence of temperature, daylength and light intensity on flowering in Hydrangea macrophylla (Thunb.) Ser. Litlere, B; Stromme, E *Acta Hortic* 51: 285-298. Aug 1975

027643 80 AC82
The influence of the choice of planting material on tulip bulb production. Timmer, M J G *Acta Hortic* 47: 407-412. June 1975

80 AC82
The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and fruit thinning [affect bitter pit development]. Sharples, R O *Acta Hortic* 45: 21-27. Nov 1974

027644 80 AC82
The preparation of artificial soils based on peat materials for [horticultural plant] growing under glass and plastics. Hargitai, L *Acta Hortic* 50: 143-145. May 1975

027645 80 AC82
The response of the heated glasshouse lettuce crop to in situ supplements of low illuminance fluorescent light. Dennis, D J; Dullforce, W M *Acta Hortic* 51: 185-200. Ref. Aug 1975

027646 80 AC82
The use of calcareous sand in Abu Dhabi as a growing medium in the sand culture system [to produce vegetables]. Eisa, H M; Jansen, M H *Acta Hortic* 51: 89-102. Aug 1975

80 AC82
The use of decomposed pine bark [waste] as a substrate for growing Gerbera. Jesiotr, E; Strojny, Z; Saniewski, M *Acta Hortic* 51: 103-105. Aug 1975

027647 80 AC82
The use of fertilized and unfertilized peats of different origin for rooting cuttings [of ornamental trees and shrubs]. Elk, B C M van *Acta Hortic* 50: 21-26. May 1975

027648 80 AC82
The use of Sphagnum peat and brown coals for growing plantsin hydroponic containers. Nowosielski, O; Smoter, J; Wisniewska, H; Szmidt, B *Acta Hortic* 50: 165-171. May 1975

027649 80 AC82
Third Africa Symposium on Horticultural Crops, University of Nairobi, Nairobi, Kenya, 18, 19, 20 September 1973. Africa Symposium on Horticultural Crops, 3d, Nairobi, 1973 *Acta Hortic* 49, 306 P. July 1975

027650 80 AC82
Training and pruning of passion fruit (Passiflora edulis Sims) in Kenya. Gachanja, S P *Acta Hortic* 49: 219-222. July 1975

027651 80 AC82
Tulip forcing: model and reality. Charles-Edwards, D A; Rees, A R *Acta Hortic* 47: 365-370. June 1975

027652 80 AC82
Vegetative propagation of papaya by budding. Sookmark, S; Tai, E A *Acta Hortic* 49: 85-90. Ref. July 1975

027653 80 AC82
Vegetative propagation of daffodils [Narcissus] by double-scaling. Alkema, H Y *Acta Hortic* 47: 193-199. Ref. June 1975

027654 HD1940.C95A22
The evaluation of ecological factors in growing Jerusalem artichokes in submontane and montane regions. (Cze) Votoupal, B *Acta Sci Vys Sk Zemed Provozne Ekon Fak Cesk Budejovicich* 15, 95 P. Ref. Eng. Sum. 1974

027655 19 AG85
Some characteristics of peasant viticulture in Hungary during the 18th to 19th centuries. (Hun) Egeto, M *Agrartort Sz* 17 (3/4): 450-462. Ref. 1975

1 AG84AH
Date development, handling, and packing in the United States. Rygg, G L; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 482, 56 P. Ref. Nov 1975

027656 1 AG84AH
Fruits and tree nuts: blooming, harvesting, and marketing dates. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 186, Rev., 52 P. Map. Dec 1975

027657 22.5 N682
Blueberry varieties and their culture in the United States. (Jpn) Tamata, T *Agric Hortic* 50 (6): 767-772. Map. June 1975

027658 22.5 N682
Case studies on forcing culture of ornamental plants. (Jpn) Hanafusa, T *Agric Hortic* 50 (6): 778-782. June 1975

027659 22.5 N682
Methods for forcing culture and flower thinning of cucumbers. (Jpn) Takahashi, H; Noma, F *Agric Hortic* 50 (6): 783-787. June 1975

027660 256.13 AG82M
The use of supplementary lighting in horticulture [Greenhouses]. Ward, J *Agric North Irel* 50 (6): 172-174. Oct 1975

027661 S15.A395
Carrot seed production. I. Effects of plant spacing on yields per plant and per hectare. (Spa) Krarup, A; Montealegre, J *Agro Sur* 3 (1): 50-53. Ref. Eng. Sum. 1975

4 AM34P
Procedure for evaluating the biological degradation of turfgrass thatch [Festuca rubra]. Martin, D P; Beard, J B *Agron J* 67 (6): 835-836. Nov/Dec 1975

027662 SB13.L32
A new gem squash: Rolet [Varieties]. Joubert, T G la G *Agroplantae* 7 (3): 79. Sept 1975

027663 97.31 AM32
Additional new information on Yunnan reticulatas from China [Camellia, varieties]. Ikeda, K *Am Camel Yearb* P. 146-156. 1975

027664 97.31 AM32
Camellia bonsai. Swan, J T *Am Camel Yearb* P. 157-158. 1975

027665 97.31 AM32
Camellia culture under glass. Ling, C T *Am Camel Yearb* P. 49-62. Ref. 1975

027666 97.31 AM32
Camellia reticulata in Galicia [Spain]. Gimson, R *Am Camel Yearb* P. 122-129. 1975

027667 97.31 AM32
Camellia species for the garden. Riggall, L *Am Camel Yearb* P. 95-100. 1975

027668 97.31 AM32
Camellias as houseplants. Walton, P *Am Camel Yearb* P. 100-102. 1975

027669 97.31 AM32
Camellias in condominiums [Culture, varieties]. Mitchell, I J *Am Camel Yearb* P. 103-106. 1975

027670 97.31 AM32
Camellias registered in last year. *Am Camel Yearb* P. 235-242. 1975

027671 97.31 AM32
Gibberellic acid [for producing early blooms of Camellias]-flower bud vs. vegetative bud. Wilson, W F Jr *Am Camel Yearb* P. 117-119. 1975

027672 97.31 AM32
Growing reticulatas in Virginia Beach [Camellia]. Crockett, M K Z *Am Camel Yearb* P. 119-122. 1975

027673 97.31 AM32
Guidelines to choosing Camellias [Varieties]. Sewell, J N *Am Camel Yearb* P. 135-139. 1975

027674 97.31 AM32
Guide-posts for Camellia show judges. Dryden, H E *Am Camel Yearb* P. 62-76. 1975

027675 97.31 AM32
My Camellias with unusual leaves [Varieties]. Perkins, T III *Am Camel Yearb* P. 108-113. 1975

027676 97.31 AM32
"Open sesame" [Camellia, pruning]. Stump, G T *Am Camel Yearb* P. 88-90. 1975

027677 97.31 AM32
Oriental hoax blossoms into southern belle [Camellia, history]. Rivard, S *Am Camel Yearb* P. 198-199. 1975

027678 97.31 AM32
The California Camellia season—1975 [Varieties, shows]. Goertz, W F *Am Camel Yearb* P. 130-133. 1975

027679 97.31 AM32
The Channel Islands and the International Camellia Society [Varieties]. Brown, M H *Am Camel Yearb* P. 159-172. 1975

027680 97.31 AM32
The judges have spoken [Camellia, varieties]. Brown, M H *Am Camel Yearb* P. 141-148. 1975

027681 80 N216
Air layering [Woody or semi-woody shrubs]. McArthur, B M *Am Hortic* 54 (5): 20-21. Oct 1975

027682 80 N216
Crab apples [Varieties]. Wyman, D *Am Hortic* 54 (5): 9-11. Oct 1975

027683 80 N216
Fall color from coast to coast [Trees and shrubs]. *Am Hortic* 54 (5): 14-19. Oct 1975

027684 80 N216
Lawn basics [Cultivation]. Schery, R W *Am Hortic* 54 (5): 30-34. Oct 1975

027685 80 N216
Micro gardens [Terrariums]. Seibert, D *Am Hortic* 54 (5): 28-29. Oct 1975

027686 80 N216
My favorite plant Aloe vera. Gates, G *Am Hortic* 54 (5): 37. Oct 1975

027687 80 N216
New among the gesneriads [Gesneriaceae, varieties]. Katzenberger, R *Am Hortic* 54 (5): 35-36. Oct 1975

027688 80 N216
Wine growing for the home vineyardist. Lawrence, R de T *Am Hortic* 54 (5): 4-8. Oct 1975

027689 80 N216
A new era for poinsettias [Euphorbia pulcherrima]: Performance and resistance. Cathey, H M *Am Hortic Mag* 54 (6): 4-9. Winter 1975

027690 80 N216
Garden ornaments wild and whimsical. Burgess, L M *Am Hortic Mag* 54 (6): 26-27. Winter 1975

027691 80 N216
Hollies [Ilex] for Christmas and the landscape [Culture, varieties]. Kosar, W F *Am Hortic Mag* 54 (6): 18-21. Winter 1975

027692 80 N216
Liberty Hyde Bailey as I knew him [Botanists, horticulturists]. MacDaniels, L H *Am Hortic Mag* 54 (6): 12-13. Winter 1975

027693 80 N216
Miyabe maple [Acer miyabei]: a tree worth knowing more about[Culture]. Eickhorst, W *Am Hortic Mag* 54 (6): 28-29. Winter 1975

027694 80 N216
Paramongaia weberbaueri velardi, a Peruvian plant new to cultivation. Seibert, R J *Am Hortic Mag* 54 (6): 30-32. Winter 1975

027695 80 N216
Plants of Christmas and before [Evergreens]. Meeting, S *Am Hortic Mag* 54 (6): 14-17. Winter 1975

390.9 AM33
A comparison between healthy and leafroll-affected grapevine planting stocks. Lider, L A; Goheen, A C; Ferrari, N L *Am J Enol Vitic* 26 (3): 144-147. 1975

027696 390.9 AM33
Effect of thiourea on rest period of grapevine buds [in India]. Balasubrahmanyam, V R; Khanduja, S D; Abbas, S *Am J Enol Vitic* 26 (3): 168-170. 1975

390.9 AM33
Effect of [grape] leaf content and mechanical harvest on wine "quality". Noble, A C; Ough, C S; Kasimatis, A N *Am J Enol Vitic* 26 (3): 158-163. 1975

027697 390.9 AM33
Foliage removal effects on 'Shiraz' grapevines. Peterson, J R; Smart, R E *Am J Enol Vitic* 26 (3): 119-124. Ref. 1975

027698 390.9 AM33
Influence of trellising on growth and yield of 'Thompson Seedless' [grape] vines [in California]. Kasimatis, A N; Lider, L A; Kliewer, W M *Am J Enol Vitic* 26 (3): 125-129. 1975

027699 390.9 AM33
Rooting and end of rest in 'Carignane' [grapevine] cuttingsas affected by collection time and cane segment used. Weaver, R J; Lavee, S; Johnson, J *Am J Enol Vitic* 26 (3): 164-167. 1975

027700 80 AM371
Approaches to home landscape design. 83. Seashore contrasts. Hudak, J *Am Nurserym* 142 (12): 14, 40-41. Dec 15, 1975

027701 80 AM371
Garden for the blind [Lenny Santoro Memorial Garden]. Vuoto, V *Am Nurserym* 142 (7): 8, 34. Oct 1, 1975

027702 80 AM371
Where do customers feel they get reliable plant care information? Mecklenburg, R A *Am Nurserym* 142 (12): 9, 51. Dec 15, 1975

027703 80 AM329
Basic orchid culture. 12. Appearances count! Collins, R; Peterson, R *Am Orchid Soc Bull* 44 (12): 1070-1072. Dec 1975

027704 80 AM329
Fluorescent light orchid culture: growing Paphiopedilums ina Flora Cart. Raynor, S W *Am Orchid Soc Bull* 44 (12): 1061-1065. Dec 1975

027705 80 AM329
Growing Telipogons. Kindlmann, M *Am Orchid Soc Bull* 45 (1): 39-42. Jan 1976

027706 80 AM329
Louis Menand—early orchid grower. Roth, M *Am Orchid Soc Bull* 45 (1): 26-31. Ref. Jan 1976

027707 80 AM329
The underestimated Brassavola nodosa [Varieties, breeding]. *Am Orchid Soc Bull* 44 (12): 1080-1083. Dec 1975

80 AM329
Zygopetalum—an abandoned genus of beauty [Varieties]. Ghillany, B A de *Am Orchid Soc Bull* 45 (1): 4-9. Jan 1976

027708 75.8 P842
Entered acreage of certified seed potatoes by varieties—1975, United States and Canada. *Am Potato J* 52 (11): 365-372. Nov 1975

027709 450 AN4
Wild grape of Nuristan and its relation to the history of civilization of mankind. (Ger) Neubauer, H F *Angew Bot* 49 (3/4): 123-130. Ref. Eng. Sum. Nov 1975

027710 16 T63
Prospects for the cultivation in Italy of the Capuli black cherry, Prunus serotina subsp. capuli (Cav) McVaugh. (Ita) Romisondo, P *Ann Accad Agric Torino* 116: 81-108. Ref. Eng. Sum. 1973/1974

027711 16 T63
Trials on 11 highbush blueberry cultivars in Piedmont, Italy. (Ita) Eynard, I; Bounous, G *Ann Accad Agric Torino* 116: 153-190. Ref. Eng. Sum. 1973/1974

Z5074.E3C6
The mechanization of vegetable harvesting. *Annot Bibl Commonw Bur Agric Econ* 31, 5 P. 1974

027712 80 AR13
Some data on the hazel tree [Corylus] in intensive culture. 4. (Fre) *Arboric Fruit* 22 (260): 13-16. Oct 1975

027713 100 AR42F
'Comet,' an early strawberry [variety] for Arkansas. Moore, J N; Bowden, H L; Sistrunk, W A; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 3. Nov/Dec 1975

027714 66.8 B392
Carrots [culture]. Prendiville, M *Biatas, The Tillage Farmer* 29 (8): 247-248. Nov 1975

027715 SB433.5.B6
Water tolerant trees as bonsai. Graves, A T Jr *Bonsai J* 9 (3): 56-57, 68. Fall 1975

027716 107.6 T5762
Effects of spacing and nitrogen level on growth and yield of pimento [Capsicum annum]. (Jpn) Tanaka, H; Aruga, F; Kadota, J; Watanabe, M *Bull Fac Agric Tamagawa Univ* 14: 71-80. Ref. Eng. Sum. 1974

027717 S5.B8
First results obtained in the aseptic culture of apical tissues of apple rootstocks. (Fre) Quoirin, M *Bull Rech Agron Gembloux* 9 (2): 189-192. Eng. Sum. 1974

027718 450 C113
Cultivation of succulents. Stillwell, M *Cac Suc J G B* 37 (4): 78. Nov 1975

027719 450 C113
Ferocacti [Ferocactus] for flowers. Maddams, W F *Cac Suc J G B* 37 (4): 76-77. Nov 1975

027720 450 C113
Seasonal cactus care [Culture]. Maddams, W F; Maddams, B *Cac Suc J G B* 37 (4): 80-82. Nov 1975

027721 100 C12CAG
Separation of blank pistachio nuts by mechanical harvesting. Crane, J C; Dunning, J J; California Agricultural Experiment Station *Calif Agric* 29 (11): 6-7. Nov 1975

027722 450 C16
Augusta lowbush blueberry [cultivar]. Aalders, L E; Ismail, A A; Hall, I V; Hepler, P R *Can J Plant Sci* 55 (4): 1079. Oct 1975

027723 450 C16
Double-flowered ornamental [Malus] crab apples: Cameron, Maybride and Prince Charming [cultivars]. Sampson, D R *Can J Plant Sci* 55 (4): 1081-1083. Oct 1975

027724 450 C16
Effects of plant spacing on performance of the strawberry cultivar Bounty. Craig, D L *Can J Plant Sci* 55 (4): 1013-1016. Oct 1975

027725 450 C16
Emergence, seedling growth and yield of sweet corn after pregermination at high temperature. Gubbels, G H *Can J Plant Sci* 55 (4): 995-999. Oct 1975

027726 80 C49
Catching frame development for a citrus harvest system. Coppock, G E *Citrus Ind* 56 (11): 30, 32-36, 38. Nov 1975

027727 SB415.C625
Caladiums [Caladium bicolor] in the home garden [Culture]. Koths, J S; Judd, R W Jr; King, D J; Maisano, J J Jr; Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse News!* 66: 12-14. Aug 1975

027728 SB415.C625
In memorium: Earle William Prout, Jr. [Horticulturists]. Connecticut University Cooperative Extension Service *Conn Greenhouse News!* 67: 20. Sept 1975

027729 80 C83
Plants to outwit the weather [Ornamentals]. Horsbrugh-Porter, M *Ctry Life* 158 (4093): 1684, 1686. Dec 11, 1975

027730 475 SCI23
Propagation of Dioscorea floribunda from in vitro culture of single-node stem segments [Culture]. Chaturvedi, H C *Curr Sci* 44 (23): 839-841. Dec 5, 1975

027731 275.29 M66EX
Pruning trees and shrubs. Eisel, M C; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 317, 5 P. 1975

027732 275.29 M66EX
Strawberry-raspberry-grape varieties for Minnesota. Hertz, L B; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 320, 4 P. Map. 1975

027733 22 F223
Cultivation of chiku [fruit] is profitable venture in north India. Sanghavi, K U *Farm J (Calcutta)* 16 (7): 15-16. May 1975

027734 S19.F37
Date palm—a prospective fruit for India [Culture]. Singh, R *Farmer Parliament* 10 (4): 23-24. Apr 1975

027735 S19.F37
Marigold [Tagetes] cultivation for pleasure and profit. Sharga, A N *Farmer Parliament* 10 (5): 9-10, 28. May 1975

027736 1 AG84F
Growing blackberries [Culture]. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2160, Rev., 18 P. Map. Oct 1975

027737 S251.F6
Strawberries [Culture]. (Swe) Widebrant, E *Forsk Prakt* 6, 7 P. 1975

027738 80 F9493
Annual or plurennial [strawberry] crops. (Fre) Lemaitre, R *Fruit Belg* 43 (371, Special No.): 202-205. Third Quarter 1975

027739 80 F9493
Better quality and preservation by better protection ot plants [Apples]. (Fre) Pansaers, L *Fruit Belg* 43 (371, Special No.): 187-188. Third Quarter 1975

027740 80 F9493
Fruit tree culture research in the Netherlands. (Fre) Elema, R K *Fruit Belg* 43 (371, Special No.): 176-180, 189-190. Third Quarter 1975

027741 80 F9493
Research in fruit culture and economic aspects oriented towards 1980. (Fre) Sweldens, V *Fruit Belg* 43 (371, Special No.): 191-198. Third Quarter 1975

027742 80 F9493
Technical orientation of fruit research in the five coming years. (Fre) Dermine, E *Fruit Belg* 43 (371, Special No.): 167-175. Third Quarter 1975

027743 80 F9493
Trends in fruit research in France during the next five years. (Fre) Huet, J *Fruit Belg* 43 (371, Special No.): 161-166. Third Quarter 1975

027744 424.8 F94
Varieties of apples. (Fre) Troester, P *Fruits & Abeilles* 1: 1-3. Jan 1976

027745 86 W124G
Report of the student excursion to the southwestern part of the Netherlands, 2-6 June 1975 [Horticulture]. (Dut) Kronenberg, H G *Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)* 143, 21 P. Map. July 28, 1975

027746 298.8 G33
Controlling the quality of rye before the harvest. (Ger) Rietzel, P *Getreide Mehl Brot* 29 (9): 221-223. Map. Sept 1975

027747 17 SCH9
Garlic, an old culture and drug plant. (Ger) Geller, L *Grune* 103 (45): 35-36. Nov 7, 1975

027748 26 H27
Bacterization of chickpeas can produce heavier yields in the Negev. (Heb) Shiffman, Y; Lobel, R *Hassadeh* 56 (1): 18-23, 25-26. Oct 1975

027749 26 H27
Further research on avocado [Culture]. (Heb) *Hassadeh* 56 (1): 66-67. Oct 1975

027750 26 H27
Improving fertility of citrus groves. (Heb) Ravid, N *Hassadeh* 56 (1): 55-57. Oct 1975

027751 26 H27
Introduction of ornamental plants. (Heb) Benjamin, R *Hassadeh* 56 (1): 131, 133-133. Oct 1975

027752 26 H27
Natural hybrids of clementine [oranges]. (Heb) Path, J *Hassadeh* 56 (1): 59-60. Oct 1975

027753 26 H27
The vineyards in 1975. (Heb) Arnon, D *Hassadeh* 56 (1): 63-66. Oct 1975

027754 SB21.K4K4
Reproducing fruit trees by grafting and budding. Chaplin, C E; Kentucky University Cooperative Extension Service; Kentucky University Dept of Horticulture *Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv* 39, 5 P. 1975

027755 1 AG84HG
Growing flowering annuals [Ornamental plants, culture]. Cathey, H M; U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 91, Rev., 19 P. Map. Oct 1975

027756 1 AG84HG
Roses for the home [Culture]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 25, Rev., 23 P. Oct 1975

027757 S15.I598
French bean: production, varieties and use [Colombia]. (Spa) Bastidas R, G *I C A Informa (Inst Colomb Agropecu)* 9 (12): 3-6. Dec 1974

027758 S3.I5
A note on response of potato to irrigation and nitrogen in central tract of Uttar Pradesh. Bhan, S; Shankar, P *Indian J Agric Res* 9 (1/2): 97-99. Mar/June 1975

027759 S3.I5
Effect of sowing time on the growth and yield of Malachra capitata L. Basu, N C; Bose, S *Indian J Agric Res* 9 (1/2): 43-50. Ref. Mar/June 1975

027760 80 IN2
Economics of pineapple production under various planting densities. Chadha, K L; Gopalaswamy, T P; Shikhamany, S D; Melanta, K R *Indian J Hortic* 32 (1/2): 25-30. Mar/June 1975

027761 80 IN2
Effect of different rootstocks on vigour, yield and fruit quality of blood red orange (Citrus sinensis Osbeck) [Culture]. Bhullar, J S; Nauriyal, J P *Indian J Hortic* 32 (1/2): 45-49. Mar/June 1975

027762 80 IN2
Size and shape of plots in field trials with apple [Culture]. Bhargava, P N; Sardana, M G *Indian J Hortic* 32 (1/2): 50-57. Ref. Mar/June 1975

027763 QK1.I53
Effects of bulb vernalization on yield and quality characteristics of outdoor grown Golden Yellow Freesia hybrida. (Ita) Cocozza Talia, M *Inf Bot Ital* 6 (3): 282-286. Eng. Sum. Sept/Dec 1974

027764 22 IN8
New cowpeas are here. Jain, V K *Inten Agric* 12 (12): 9-11. Feb 1975

421 J822
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. Dickson, M H; Eckenrode, C J *J Econ Entomol* 68 (6): 757-760. Dec 15, 1975

027765 99.9 AS12S
The selection of Pleurotus ostreatus [mushrooms] strains bysaw-dust culture. (Jpn) Takizawa, N; Oda, K; Shida, H *J Hokkaido For Prod Res Inst* 9: 10-12. Eng. Sum. Sept 1975

027766 80 J825
The relationship of Granny Smith apple tree growth and early cropping to planting density and rectangularity. Cripps, J E L; Melville, F; Nicol, H I *J Hortic Sci* 50 (4): 291-299. Oct 1975

027767 84 L84J
Berries, branches and bulbs [Flower arrangement]. Macqueen, S *J R Hortic Soc* 100 (11): 544-548. Nov 1975

027768 84 L84J
In the Chelsea tradition [Gardens]. Kleinwort, E *J R Hortic Soc* 100 (11): 540-543. Nov 1975

027769 84 L84J
The absentee gardener [in Jersey, England]. Hellyer, G *J R Hortic Soc* 100 (11): 523-524. Nov 1975

027770 84 L84J
The greenhouses [for tropical and subtropical plants] at Talbot manor [England]. Smith, G *J R Hortic Soc* 100 (11): 530-537. Nov 1975

027771 84 L84J
The new cactus [in Wisley's] house. Treyer-Evans, J *J R Hortic Soc* 100 (11): 515-517. Nov 1975

027772 QK495.C11K3
Conophytum stephanii Schwantes [Cultivation]. (Ger) Kohler, U *Kakteen Sukkulenten* 26 (11): 259. Nov 1975

027773 QK495.C11K3
Coryphantha werdermannii Boedeker [Cultivation]. (Ger) Meininger, A *Kakteen Sukkulenten* 26 (11): 258-259. Nov 1975

027774 QK495.C11K3
Hoya carnosa (Linne) R. Brown [Cultivation]. (Ger) Piltz, J *Kakteen Sukkulenten* 26 (12): 281. Dec 1975

027775 QK495.C11K3
Mammillaria sheldonii (Britton & Rose) Boedeker [Cultivation]. (Ger) Blaha, R *Kakteen Sukkulenten* 26 (12): 282. Dec 1975

027776 75.8 K147
Best radish varieties for plastic greenhouses [Yields]. (Rus) Taranov, V *Kartofel Ovoschi* 5: 31-32. May 1975

027777 75.8 K147
Care of cabbage and table root crops [Culture]. (Rus) Krutskikh, B; Cherednichenko, I; Ermakov, N; Mikhalchenkov, L *Kartofel Ovoschi* 6: 24-26. June 1975

027778 75.8 K147
Experience of Estonian potato growers. (Rus) Aamisepp, I; Sepp, A *Kartofel Ovoschi* 5: 2-5. May 1975

027779 75.8 K147
Growing potatoes for two crops a year [in the Caucasus area] deserves more attention. (Rus) Chebotarev, I; Sorokin, I; Teliukin, B *Kartofel Ovoschi* 6: 9-11. June 1975

027780 75.8 K147
Influence of zonal conditions on potato yield [Ivanovo-Frankovsk Region]. (Rus) Favorov, A; Guzii, A *Kartofel Ovoschi* 6: 15-16. June 1975

027781 75.8 K147
Need to accelerate introduction of highly productive [potato] varieties. (Rus) Filippov, D; Anisimov, B *Kartofel Ovoschi* 5: 11-14. May 1975

027782 75.8 K147
Peculiarities of the biology and agrotechnics of cauliflower [Culture]. (Rus) Akulova, N *Kartofel Ovoschi* 6: 27-29. June 1975

75.8 K147
Plastic shelters [Vegetables, culture]. (Rus) Bobrovskii, S *Kartofel Ovoschi* 5: 42-44. May 1975

027783 75.8 K147
Potatoes in crop rotations of Polesye [Yields]. (Rus) Zubenko, V; IAkimenko, V; Klimov, O *Kartofel Ovoschi* 1: 11-12. Jan 1975

027784 75.8 K147
Potatoes in the Polesye. (Rus) Buksha, A *Kartofel Ovoschi* 5: 5-7. May 1975

027785 75.8 K147
Prospect of hydroponic method of vegetable culture in greenhouses. (Rus) Rodnikov, N *Kartofel Ovoschi* 1: 22-24. Jan 1975

027786 75.8 K147
Rare vegetables [Artichokes, cardoons, culture]. (Rus) Vasilenko, N *Kartofel Ovoschi* 5: 40-42. May 1975

027787 75.8 K147
Responsibilities of truck farmers [Vegetables, culture]. (Rus) Chenykaeva, E *Kartofel Ovoschi* 6: 41-44. June 1975

027788 75.8 K147
Schemes of watermelon spacing in Golodnaya Step. (Rus) Zuev, V; IUnusov, F *Kartofel Ovoschi* 1: 32-33. Jan 1975

027789 75.8 K147
The Jerusalem artichoke [culture]. (Rus) Veselovskii, I *Kartofel Ovoschi* 6: 17. June 1975

027790 75.8 K147
The size of [potato] tubers and their yield. (Rus) Pauzina, N *Kartofel Ovoschi* 5: 14-15. May 1975

027791 75.8 K147
Tomatoes on straw bales in unheated greenhouses [Yields]. (Rus) Eremenko, E; Beliashina, M *Kartofel Ovoschi* 5: 30-31. May 1975

027792 75.8 K147
Varieties for nursery watermelon culture. (Rus) Dzenzelevskaia, M; Parkaru, E *Kartofel Ovoschi* 6: 34-35. June 1975

027793 SB1.K4
Swan Hill fruitless olive [Olea europaea, varieties]. Hench, K W; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 3. Nov 15, 1975

027794 SB1.K4
The changing variety picture in stone fruits. Hench, K W; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 1-2. Nov 15, 1975

027795 275.29 T313
Alma, a new fig for Texas [Varieties]. Storey, J B; Stump, R C; Texas Agricultural Experiment Station *L Tex A M Univ Tex Agric Exp Stn* 1359, 4 P. May 1975

027796 8 M5762
Fruit culture in the stony soils of Yucatan. (Spa) Perez Toro, A *Mex Agric* 21 (252): 37-43. Feb 1975

027797 85 J76
Management of sweet cherries culture in 1975. (Ger) Zahn, F G *Mitt Obstbauversuchsring Jork* 30 (10): 247-253. Oct 1975

027798 85 J76
Report on management during fall 1975 by the Fruit Experimental Group. (Ger) Gebert, F; Utermark, H *Mitt Obstbauversuchsring Jork* 30 (10): 253-256. Oct 1975

027799 85 J76
The pear tree psylla (Psylla piri L.) and possibilities for its control. (Ger) Palm, G *Mitt Obstbauversuchsring Jork* 30 (11): 281-282. Nov 1975

027800 80 N81
Crane's Bill—Geranium [sylvaticum, varieties]. (Nor) Lalid, K *Nor Hagetid* 91 (10): 330-331. Oct 1975

027801 80 N81
Do ornamental trees and bushes have an economic value? (Nor) Aksnes, K *Nor Hagetid* 91 (9): 292. Sept 1975

027802 80 N81
Early [maturing] varieties of plums. (Nor) Haugse, L *Nor Hagetid* 91 (9): 286-287. Sept 1975

027803 80 N81
Familiar plants in foreign zones [Horticultural varieties]. (Nor) Hansen, E *Nor Hagetid* 91 (9): 288-289. Sept 1975

027804 80 N81
Fresh fruits and vegetables from the home garden [Culture]. (Nor) Odegard, K *Nor Hagetid* 91 (9): 296-299. Sept 1975

027805 80 N81
Fresh fruits and vegetables from the home garden [Culture]. (Nor) Odegard, K *Nor Hagetid* 91 (10): 316-319. Oct 1975

027806 80 N81
Graceful roses [Varieties]. (Nor) Lundstad, A *Nor Hagetid* 91 (9): 282-283. Sept 1975

027807 80 N81
Grafting cacti [Mammillaria, Melocactus]. (Nor) Sjoborg, S *Nor Hagetid* 91 (10): 321-323. Oct 1975

027808 80 N81
Kale [Culture]. (Nor) Vik, E W *Nor Hagetid* 91 (10): 334. Oct 1975

027809 80 N81
Late summer perennials [Varieties of ornamental plants]. (Nor) Sinding-Larsen, G *Nor Hagetid* 91 (9): 293-295. Sept 1975

027810 80 N81
Overwintering of lawn grass [Culture]. (Nor) Foss, S *Nor Hagetid* 91 (10): 308-309. Oct 1975

027811 80 N81
Vegetable varieties for Finnmark. (Nor) Vannes, G *Nor Hagetid* 91 (10): 324-325. Oct 1975

027812 SB401.A1P4
Hot water treatment improves bud-take [pecan scionwood]. Madden, G D; Brown, E J; Tisdale, H *Pecan Q* 9 (3): 16. Aug 1975

027813 SB401.P4P4
Field station research: 1975 [U. S. Pecan Field Station]. Marcley, V R *Pecan South* 2 (6): 240-243. Nov 1975

027814 SB401.P4P4
Legumes in pecan orchards. Wesley, W K *Pecan South* 2 (5): 192-193. Sept 1975

027815 SB401.P4P4
Pecan [Carya illinoiensis] varieties for Georgia. Livingston, R L *Pecan South* 2 (6): 231. Nov 1975

027816 SB401.P4P4
Pecan [variety] shuck dehiscence dates under southwest Georgia conditions. Sparks, D *Pecan South* 2 (5): 206-207. Sept 1975

464.9 P482
Should grapevine shoots be cut off after injury from herbicides? (Ger) Neururer, H; Herwirsch, W *Pflanzenarzt* 28 (9): 105-106. Sept 1975

027817 450 P694
Planting the garden by the weather. *Plants Gard* 31 (1): 47-53. Maps. Spring 1975

027818 286.83 P79
Some objectives in relation to plant improvement [Potatoes, culture]. (Dut) Lamberts, I H *Pootardap Handel* P. 17-21. July 1975

027819 7 C16PU
Hedges for Canadian gardens. *Publ Agric Can* 899, Rev. 33 P. 1975

027820 7 C16PU
Judging standards for horticultural shows. *Publ Agric Can* 1395, Rev., 46 P. 1975

7 C16PU
Mist propagation [of plant cuttings, greenhouse construction]. Fleming, R A *Publ Can Dep Agric* 313, 8 P. 1975

027821 7 ON8P
The strawberry in Ontario [Varieties, culture]. Ricketson, C L; Hikichi, A; Kelly, C B *Publ Ont Minist Agric & Food* 513, Rev. 58 P. 1975

027822 S15.R46
Explanations and hints for those interested in the culture of palm trees. (Por) Pinto, M F *Reordenamento* 37: 24-27. Jan/Feb 1975

027823 S15.R46
The potato in the rural extension program of Angola [Culture]. (Por) *Reordenamento* 38: 30-45. Mar/Apr 1975

027824 107.6 H68
Studies on the regional difference in the growth of potatoes to the condition of cultivation. (Jpn) Takase, N; Tabata, K; Oka, H; Yoshida, M; Nakaseko, K; Yoshida, K; Ueno, K; Asama, I; Kukimura, H; Et Al *Res Bull Hokkaido Natl Agric Exp Stn* 109: 1-17. Ref. Eng. Sum. Dec 1974

027825 SB29.K8A3
The study of covering date by vinyl tunnel for strawberry. (Kor) Han, K P; Lee, D K; Kim, I H *Res Rep Off Rural Dev (Suwon)* 17: 55-61. Eng. Sum. Aug 1975

027826 SB29.K8A3
The various characteristics of earliest apple varieties for apple season-off. (Kor) Lee, K G; Choi, E O; Han, S G; Heou, M H *Res Rep Off Rural Dev (Suwon)* 17: 49-51. Ref. Eng. Sum. Aug 1975

027827 13 R322
Comparison of two methods of asparagus cultivation: earthed up for producing white asparagus and flat culture for producing green asparagus. (Fre) Valette, R; Laruelle, R *Rev Agric (Brux)* 28 (4): 923-933. July-/Aug 1975

027828 13 R322
What do the growers need in azalea novelties: (Rhododendronsimsii Planch.)? (Fre) Heursel, J; Moermans, R *Rev Agric (Brux)* 27 (4): 901-910. Eng. Sum. July/Aug 1975

027829 68.28 R322
Some technical bases recommended for the establishment and initial care of fruit groves. (Spa) Guillen Paiz, R *Rev Cafetalera* 142: 15-21. Mar 1975

027830 9.4 R328
Artichoke culture. (Spa) Higuita Munoz, F *Rev ESSO Agric* 21 (3): 5-8. July/Sept 1975

027831 9.4 R328
Future of olive trees in Colombia. II. (Spa) Villegas, M A *Rev ESSO Agric* 21 (2): 30-31. Apr/June 1975

027832 9.4 R328
Olive trees in Colombia. (Spa) Villegas, M A *Rev ESSO Agric* 21 (1): 21-23. Jan/Mar 1975

027833 9.4 R328
The soursop (Annona muricata L.) [Culture]. (Spa) Arango T, F *Rev ESSO Agric* 21 (2): 5-10. Apr/June 1975

027834 SF1.R54
The magnificent quick-change artist [Tulipa, history, culture]. (Ita) Fazio, F M *Rilancio Agric Vet Zootec* 6 (5/6): 20-23. 1974

027835 80 SCH9
Grape culture in the Soviet Union. (Ger) Koblet, W *Schweiz Z Obst Weinbau* 111 (18): 469-471. Aug 23, 1975

027836 80 SCH9
Interim report on the first five years of the 1969-1984 cider fruit tree research. (Ger) Muller, W *Schweiz Z Obst Weinbau* 111 (21): 534-547. Map. Oct 4, 1975

027837 80 SCH9
Literature and some experiences on the theme of utilization of weak stocks [Fruit culture]. (Ger) Gersbach, K *Schweiz Z Obst Weinbau* 111 (18): 456-465. Ref. Aug 23, 1975

027838 80 SCH9
Special branches in Swiss intensified [horticultural] production today and tomorrow. (Ger) Fritzsche, R *Schweiz Z Obst Weinbau* 111 (17): 437-442. Aug 9, 1975

027839 80 SCH9
The first engineers-technicians from Wadenswil [Horticulture, education]. (Ger) *Schweiz Z Obst Weinbau* 111 (17): 430-437. Aug 9, 1975

027840 100 P381S
Varieties and methods of planting determined to use tomato harvester. Hepler, R W; Fletcher, R F; Cordrey, T D; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 10-11. Fall 1975

027841 61.9 SE5
The evaluation of potato varieties for suitability for mechanized harvesting. (Rus) Gerasimov, A A *Sel Semenovod (Mosk)* 4: 75-76. Jul/Aug 1975

61.9 SE5
The experience of organizing seed production [of cereals, lupine, fiber flax and potatoes]. (Rus) Bogomolov, A M; Shevtsov, A K *Sel Semenovod (Mosk)* 3: 43-46. May/June 1975

61.9 SE5
The results of state variety testing [of field and horticultural crops] for 1974. (Rus) Nazarenko, K S *Sel Semenovod (Mosk)* 4: 40-46. Jul/Aug 1975

027842 280.8 SO89
Vegetable production in the Pacific islands. Lambert, M *South Pac Bull* 25 (3): 24-26. Third Quarter 1975

027843 100 OR3
Flower seed production trials in southern Oregon [Varieties]. Yungen, J A; Oregon Agricultural Experiment Station *Stn Bull Oreg Agric Exp Stn* 619, 12 P. Sept 1975

027844 507 SA7SA
Aspects of the agronomic technique of the commercial tomato: investigations on a new cultivar adapted to mechanical harvesting. (Ita) Deidda, M; Marras, G F *Studi Sassari, Sez III* 21 (2): 578-596. Ref. Eng. Sum. 1973 (Pub. 1974)

027845 68.19 M28
Pecan tree [Carya pecan] in Tadzhikistan. (Rus) Kholdorov, U Kh; Kanunov, I K *Subtrop Kul't* 1: 86-88. 1975

027846 100 F66SU
Florida Belle—a bigger and better strawberry for Florida [Varieties]. Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 15-16. Fall 1975

027847 410 T272
Plants on working places with the effect to improve microenvironment. (Hun) Komiszar, L *Termeszettud Kozl* 10: 438-442, 456. Oct 1975

027848 64.8 Z12
Chemical desiccation of potato tops, a useful component in the technology of mass crop production [Harvesting aid]. (Cze) Rasocha, V *Uroda* 23 (8): 301-302. Aug 1975

027849 64.8 Z12
Contribution to the problems of harvesting peas. (Cze) Bartonicek, V *Uroda* 23 (5): 179-180. May 1975

027850 64.8 Z12
Problems connected with the improvement and cultivation of commercial potatoes. (Cze) Major, M *Uroda* 23 (5): 184-185. May 1975

027851 60.18 UN33
Single step mechanical thatch removal [in lawns and golf courses]. Verma, B P; Davis, D C *USGA Green Sect Rec* 13 (6): 11-13. Nov 1975

027852 95.8 V77
Mtsvane kakhetinskii, a promising variety for a true-rooted vineyard. (Rus) Safarian, A M; Zotkina, G A *Vinodel Vinograd SSSR* 5: 31-33. 1975

027853 95.8 V77
Production of grape seedlings in the Ukraine. (Rus) Deriev, A A; Nikolenko, V G *Vinodel Vinograd SSSR* 5: 26-28. 1975

027854 95.8 V77
Stepniak, a frost-resistant grape variety. (Rus) Kostrikin, I A *Vinodel Vinograd SSSR* 5: 33-34. 1975

027855 20 V82
Selecting high-yield varieties of tomatoes for greenhouse culture. (Ukr) Vyshnivs'kyi, A M *Visn Sil's'kohospod Nauki* 6: 93-95. June 1975

027856 20 V82
The effect of the growing of onion bulbs and their weight on seed yield. (Ukr) Usyk, H E; Batsei, S I *Visn Sil's'kohospod Nauki* 6: 50-52. June 1975

MISCELLANEOUS ECONOMIC PLANTS—CULTURE

027857 80 AC82
Vegetative propagation of tropical tree crops with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). Ashiru, G A *Acta Hortic* 49: 67-73. Ref. July 1975

027858 68.38 C114
Use of atomizers for inducing production of cacao trees. (Por) Soria, S de J *Cacau Atual* 12 (1): 18-21. Jan/Mar 1975

027859 S293.C6N31
Comparison of growing media for ginger [Zingiber officinale]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 232-235. 1974

027860 9.4 R328
The mesquite, a forage tree, a wealth which should be utilized better [Prosopis juliflora, also a source of wood and gum, Colombia]. (Spa) Otero de la Espriella, R *Rev ESSO Agric* 21 (1): 10-14. Jan/Mar 1975

027861 61.9 SE5
The results of studying patchouli [Pogostemon patchouli]. (Rus) Esvandzhiia, G A *Sel Semenovod (Mosk)* 3: 78. May/June 1975

027862 68.19 M28
Some problems of propagating the Anaseuli-1 tea clone by cuttings. (Rus) Gorgoshidze, G M; Dzimistarishvili, G B *Subtrop Kul't* 1: 29-32. 1975

027863 68.19 M28
The creation of mother plantations and nurseries for the production of vegetatively propagated tea transplants. (Rus) Dzhakeli, V E; Gabrichidze, Z Sh *Subtrop Kul't* 1: 19-24. 1975

027864 68.19 M28
The effect of various methods of trimming on the yield of tea-bush plantations of different age on podzolic soils. (Rus) Esartiia, M V *Subtrop Kul't* 1: 43-45. 1975

027865 20 V82
On the problem of accelerated reproduction of hops. (Ukr) Panchenko, P M *Visn Sil's'kohospod Nauki* 7: 103-104. July 1975

PLANT FUNGUS DISEASES AND CONTROL

027866 SB605.A8A9
A new race of Drechslera turcica on maize in New South Wales. Colless, J M *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 23. Sept 1975

027867 SB605.A8A9
Alternaria carthami on safflower. Irwin, J A G *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 24-25. Sept 1975

027868 SB605.A8A9
Drechslera sorghicola on sorghum in Queensland. Alcorn, J L; Mayers, P E *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 26, 31. Sept 1975

027869 SB605.A8A9
Fusarium avenaceum on butternut pumpkin. Chambers, S C *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 26. Sept 1975

027870 SB605.A8A9
Fusarium solani on cauliflowers in Victoria. Chambers, S C; Osborn, R K *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 26. Sept 1975

027871 SB605.A8A9
Notes on the formation of sporangia in Phytophthora drechsleri tucker. Gerrettson-Cornell, L *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 32-33. Sept 1975

027872 SB605.A8A9
Septoria nodorum infection of wheat in New Zealand. Hampton, J W *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 25-26. Sept 1975

027873 SB605.A8A9
Swiss needle [Phaeocryptopus gaeumannii] cast of Douglas fir [Pseudotsuga menziesii]. Marks, G C *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 24. Sept 1975

027874 SB605.A8A9
UV [ultraviolet] light inactivation kinetics of wheat stem rust uredospores [Puccinia graminis]. Williams, P G *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 21-22. Sept 1975

027875 80 AC82
A study of smoulder (Sclerotinia narcisicola Greg.) of Narcissus in northern Scotland. Gray, E G; Shiel, R S *Acta Hortic* 47: 125-129. June 1975

027876 80 AC82
Control of Pythium root rot in five-degree tulips in the Netherlands and the United Kingdom. Humphreys-Jones, D R; Rooy, M J de *Acta Hortic* 47: 83-90. June 1975

027877 80 AC82
Effect of time of digging on incidence of Fusarium [basal] rot in tulip bulbs. Gould, C J; Miller, V L *Acta Hortic* 47: 119-123. June 1975

027878 80 AC82
Fungicidal control of brown spot [Alternaria passiflorae] of passion fruit in Uganda. Emechebe, A M; Mukiibi, J *Acta Hortic* 49: 281-289. July 1975

027879 80 AC82
Humidity conditions and the development of fungus diseases in glasshouses [Pseudoperonospora cubensis, Bremia lactuceae, Botrytis cinerea]. Bravenboer, L; Strijbosch, T *Acta Hortic* 51: 333-335. Aug 1975

027880 80 AC82
Increased susceptibility of Easter lilies to Pythium root rot as a result of infection by necrotic fleck virus complex. Raabe, R D *Acta Hortic* 47: 91-97. Ref. June 1975

027881 80 AC82
Leaf scorch [Stagonospora curtisii] and neck rot [Botrytis narcissicola] in Narcissus. Bergman, B H H; Noordermeer, C E I *Acta Hortic* 47: 131-136. June 1975

027882 80 AC82
On the resistance to benomyl of fungi isolated from bulbs and corms [Penicillium, Erythronium, Fusarium oxysporum]. Duineveld, T L J; Beijersbergen, J C M *Acta Hortic* 47: 143-148. Ref. June 1975

027883 80 AC82
The occurrence of Fusarium oxysporum in soils, and on Narcissus and tulip [Basal rot]. Price, D *Acta Hortic* 47: 113-118. Ref. June 1975

027884 80 AC82
Tolerance of Fusarium oxysporum f.sp.gladioli to benzimidazole fungicides [Gladiolus, corm rot]. Magie, R O *Acta Hortic* 47: 107-112. June 1975

027885 448.3 AC83
Isolation and identification of jinggangmycins [from Streptomyces hygroscopicus against Pellicularia of rice]. (Chi) *Acta Microbiol Sinica* 15 (3): 223-226. Sept 1975

027886 451 SO16
An attempt to determine the resistance of poplars to infection by Chondroplea populea (Sacc. Kleb.)=Dothichiza populea Sacc. et Briard) [canker] on the basis of the. Danilewicz, K *Acta Soc Bot Pol* 44 (2): 165-188. Ref. 1975

027887 451 SO16
Strain variations among Fomes durissimus Lloyd [Swietenia mahogani, Casuarina equistetifolia, Mimusops elengi, India] attacking different host wood. Santra, S; Nandi, B *Acta Soc Bot Pol* 44 (3): 317-321. 1975

027888 107.6 SA13
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. (Jpn) Nonaka, F; Matsuzaki, M *Agric Bull Saga Univ* 39: 67-74. Ref. Eng. Sum. Aug 1975

027889 107.6 SA13
The genus Botrytis associated with the rot of onion bulbs. 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from onion leaves. (Jpn) Tanaka, K; Nonaka, F *Agric Bull Saga Univ* 39: 11-15. Eng. Sum. Aug 1975

027890 256.13 AG82M
A coordinated programme for disease control in apples [Scab, canker and mildew]. Cartwright, J; Swinburne, T R *Agric North Irel* 50 (5): 147-150. Sept 1975

027891 S15.A395
Notes on Chilean Uredinales [Puccinia habranthi, Puccinia menthae, Uromyces minor]. III. New hosts [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. (Spa) Oehrens B, E; Gonzalez M, S *Agro Sur* 3 (1): 63-66. Ref. Eng. Sum. 1975

4 AM34P
Compatibility of Rhizobium japonicum with chemical seed protectants [Fungicides, soybeans, nodulation]. Curley, R L; Burton, J C *Agron J* 67 (6): 807-808. Nov/Dec 1975

4 AM34P
Nitrogen transformations in soil as affected by the fungicides benomyl, dyrene, and maneb [Effects on microorganisms]. Mazur, A R; Hughes, T D *Agron J* 67 (6): 755-758. Ref. Nov/Dec 1975

027892 SB13.L32
Rough lemon tree decline [Phytophthora] peroxidase activity, isoenzymes and respiration rate of the leaves. Van Lelyveld, L J; Brodrick, H T; Esterhuizen, E W *Agroplantae* 7 (3): 71-74. Ref. Sept 1975

027893 97.31 AM32
Bloom blight [of Camellia] at show time [Sclerotinia camelliae, chemical control]. Matthews, R *Am Camel Yearb* P. 133-134. 1975

027894 97.31 AM32
Camellia flower blight —1975 [Sclerotinia camelliae]. Baxter, L W Jr; Fagan, S G *Am Camel Yearb* P. 91-95. 1975

027895 97.31 AM32
Effects of benomyl on Camellia dieback (Glomerella cingulata). Gill, D L *Am Camel Yearb* P. 15-19. 1975

027896 442.8 AN72
Duration of effects of benomyl on growth and wilt (Verticillium dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to time of inoculation. Talboys, P W; Frick, E L; Davies, M K *Ann Appl Biol* 81 (3): 305-315. Ref. Dec 1975

027897 442.8 AN72
Genetic control of durable resistance to yellow rust (Puccinia striiformis) in the wheat cultivar Hybride de Bersee. Johnson, R; Law, C N *Ann Appl Biol* 81 (3): 385-391. Ref. Dec 1975

027898 442.8 AN72
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. Cook, R *Ann Appl Biol* 81 (3): 349-357. Ref. Dec 1975

027899 442.8 AN72
Obituary: William Graham Keyworth [Plant pathologist]. Marsh, R W *Ann Appl Biol* 81 (3): 445-446. Dec 1975

027900 442.8 AN72
Screening potato clones for resistance to dry rot (Fusariumsolani var coeruleum). Jellis, G J *Ann Appl Biol* 81 (3): 417-418. Dec 1975

027901 442.8 AN72
Seasonal fluctuations in ascospore concentrations of Didymella applanata in relation to raspberry blur blight incidence. Burchill, R T; Beever, D J *Ann Appl Biol* 81 (3): 297-304. Dec 1975

027902 442.8 AN72
The effect of benomyl sprays on Sclerotinia trifoliorum andyield of red clover. Jenkyn, J F *Ann Appl Biol* 81 (3): 419-423. Ref. Dec 1975

027903 464.9 P562
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on cell permeability of Pellicularia sasakii [Rice, sugarbeets]. Nakanishi, T; Takahi, Y; Tomita, K *Ann Phytopathol Soc Jap* 41 (3): 321-328. Ref. July 1975

027904 464.9 P562
Studies on lignin formation in fungus [Alternaria japonica, Peronospora parasitica]-infected plants. (Jpn) Asada, Y *Ann Phytopathol Soc Jap* 41 (3): 239-241. July 1975

027905 464.9 P562
Studies on the forecasting techniques of sheath blight [Pellicularia sasakii] of rice. (Jpn) Hori, M *Ann Phytopathol Soc Jap* 41 (3): 236-238. July 1975

027906 80 AR13
Common canker [Nectria galligena] of apple trees, a very old disease locally in fresh outbreak. (Fre) Geoffrion, R *Arboric Fruit* 22 (260): 19-28. Oct 1975

027907 S7.A755
Eyespot (Cercosporella herpotrichoides Fron) in concentrated cereal growing as influenced by several cultural and cropping factors. (Ger) Ehrenpfordt, V; Kuntzsch, E; Roth, R *Arch Acker- Pflanzenbau Bodenkd* 19 (6): 445-458. Ref. Eng. Sum. 1975

027908 442.8 AR26
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. Mendgen, K; Heitefuss, R *Arch Microbiol* 105 (3): 193-199. Ref. 1975

027909 464.8 AR2
The spread of potato blight, Phytophthora infestans (Mont.) de Bary, as influenced by sprinkler irrigation. (Ger) Lucke, W *Arch Phytopathol Pflanzenschutz* 11 (4): 263-271. Ref. Eng. Sum. 1975

027910 464.8 B542
Preliminary investigations on the effect of various fungicides applied during bloom on pollen germination and fruit set [Pears, peaches]. (Tur) Altinyay, N; Dundar, F *Bitki Koruma Bul* 14 (4): 207-226. Ref. Eng. Sum. Dec 1974

027911 SD1.B71
A new needle disease of Pinus sp. In Brazil caused by Cylindrocladium pteridis. (Por) Hodges, C S; Reis, M S; Ferreira, F A *Bras Flores* 6 (21): 8-11. Eng. Sum. Jan/Mar 1975

027912 QK600.B7
The black mildew Appendiculella calostroma and its fungal hyperparasites. MacGarvie, Q D *Bull Br Mycol Soc* 9 (2): 110-112. Autumn 1975

027913 505 P21 (3)
Comparative action of systemic antibiotics against Clitocybe mellea, parasite of spermatophytes. (Fre) Morquer, R; Touvet, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 625-630. Eng. Sum. Sept 8, 1975

027914 SB599.C3
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to control Pythium [ultimum] root rot [of Chrysanthemum morifolium]. Welch, K E; McCain, A H; California University, Berkeley Agricultural Extension Service *Calif Plant Pathol* 27: 2-5. Ref. Aug 1975

027915 SB599.C3
Glioclad ium disease of palm [Palmae canariensis]. Keim, R; Maire, R G; California University, Berkeley Agricultural Extension Service *Calif Plant Pathol* 27: 1-2. Aug 1975

027916 470 C16C
Comparisons among isolates of Gremmeniella abietina [Pinus pests] by means of growth rate, conidia measurement, and immunogenic reaction. Dorworth, C E; Krywienczyk, J *Can J Bot* 53 (21): 2506-2525. Ref. Nov 1, 1975

470 C16C
Electron microscopy studies of a developing Pythium oogonium. McKeen, W E *Can J Bot* 53 (20): 2354-2360. Ref. Oct 15, 1975

027917 470 C16C
Fungal self-parasitism in Saprolegnia megasperma. Nolan, R A *Can J Bot* 53 (19): 2110-2114. Ref. Oct 1, 1975

027918 470 C16C
Histopathology of infection of bean with Pythium myriotylumcompared with infection with other Pythium species. Dow, R L; Lumsden, R D *Can J Bot* 53 (17): 1786-1795. Ref. Sept 1, 1975

027919 470 C16C
Light-stimulated toxin production in Helminthosporium maydis, race T, cultures [Southern corn leaf blight]. Bhullar, B S; Daly, J M *Can J Bot* 53 (17): 1796-1800. Sept 1, 1975

027920 470 C16C
Parasitism of the sclerotia of Sclerotinia sclerotiorum by Microsphaeropsis centaureae. Watson, A K; Miltimore, J E *Can J Bot* 53 (21): 2458-2461. Ref. Nov 1, 1975

027921 470 C16C
Resistance to Cronartium ribicola in Pinus monticola: an analysis of needle-spot types and frequencies. McDonald, G I; Hoff, R J *Can J Bot* 53 (21): 2497-2505. Ref. Nov 1, 1975

027922 470 C16C
Saprophytic survival of Bipolaris sorokiniana on detached laminae of Poa pratensis. Hodges, C F *Can J Bot* 53 (21): 2536-2542. Ref. Nov 1, 1975

470 C16C
Scanning electron microscopy of the septal pore apparatus of Rhizoctonia solani. Lisker, N; Katan, J; Henis, Y *Can J Bot* 53 (17): 1801-1804. Ref. Sept 1, 1975

027923 470 C16C
The epidemiology of leaf spot disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. Morrall, R A A; Howard, R J *Can J Bot* 53 (20): 2345-2353. Ref. Oct 15, 1975

027924 470 C16C
Ultrastructural study of the host-parasite interactions. I. The Heterosporium gracile of the Iris. (Fre) Delon, R; Mangenot, F *Can J Bot* 53 (18): 1994-2005. Ref. Sept 15, 1975

027925 470 C16C
Variation in susceptibility of stored cabbage tissues to infection by Botrytis cinerea. Yoder, O C; Whalen, M L *Can J Bot* 53 (18): 1972-1977. Ref. Sept 15, 1975

448.8 C162
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic volatiles in soils. Griffin, G J; Hora, T S; Baker, R *Can J Microbiol* 21 (10): 1468-1475. Ref. Oct 1975

027926 450 C16
Influence of formulation on efficacy of three systemic fungicides for control of oat leaf rust [Puccinia coronata avenae]. Chin, M Y; Edgington, L V; Bruin, G C A; Reinbergs, E *Can J Plant Sci* 55 (4): 911-917. Oct 1975

027927 464.9 C16S
A foot and root rot disease of tomato caused by Fusarium oxysporum. Jarvis, W R; Thorpe, H J; MacNeill, B H *Can Plant Dis Surv* 55 (1): 25-26. 1975

027928 464.9 C16S
Cooperative seed treatment trials—1974 [Tilletia, Ustilago, control]. Mills, J T *Can Plant Dis Surv* 55 (1): 8-11. 1975

027929 464.9 C16S
Effect of temperature on the development of Godronia cassandrae f. vaccinii cankers on lowbush blueberry. Lockhart, C L *Can Plant Dis Surv* 55 (1): 29-30. 1975

027930 464.9 C16S
Fababean [fungus] diseases in Saskatchewan in 1973 [Braodbeans]. McKenzie, D L; Morrall, R A A *Can Plant Dis Surv* 55 (1): 1-7. Ref. 1975

027931 464.9 C16S
Oat yield losses from septoria leaf blotch [Leptosphaeria avenaria] at four locations in eastern Canada. Clark, R V; Gourley, C O; Johnston, H W; Piening, L J; Pelletier, G; Santerre, J; Genereux, H *Can Plant Dis Surv* 55 (1): 36-43. 1975

027932 464.9 C16S
Prevalence of oosporesof Albugo cruciferarum in Brassica [bird rape] seed samples from western Canada, 1967-73. Petrie, G A *Can Plant Dis Surv* 55 (1): 19-24. 1975

027933 464.9 C16S
Pythium root rot of barley in southwestern Ontario. McKeen, W E *Can Plant Dis Surv* 55 (1): 12-14. 1975

027934 464.9 C16S
Tolerance of Botrytis cinerea and rose powdery mildew [Sphaerotheca ?pannosa]. Jarvis, W R; Slingsby, K *Can Plant Dis Surv* 55 (1): 44. 1975

027935 SB741.R8C45
A historical account of wheat rust [Puccinia] epidemics in India, and their significance. Nagarajan, S; Joshi, L M *Cereal Rusts Bull* 3 (2): 29-33. Ref. Map. July 1975

027936 SB741.R8C45
Deposition of Puccinia striiformis [yellow rust] uredospores on adult wheat plants in laboratory experiments. Russell, G E *Cereal Rusts Bull* 3 (2): 40-43. July 1975

027937 SB741.R8C45
On the presence of the gene Sr 5 in some European cultivars [Wheat, stem rust resistance, Puccinia graminis tritici]. Bartos, P *Cereal Rusts Bull* 3 (2): 27-28. July 1975

027938 SB741.R8C45
Physiologic races of oat crown [Puccinia coronata avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. Sisto, D; Cariello, G; Paradies, M; Tarantini, P *Cereal Rusts Bull* 3 (2): 36-39. Ref. July 1975

027939 SB741.R8C45
Presence of wheat rust [Puccinia] uredospores over the Rohtang pass (3,954 m) in the interior of the Himalayas [India]. Nagarajan, S; Joshi, L M *Cereal Rusts Bull* 3 (2): 34-35. Map. July 1975

027940 SB87.S715
Red band disease [Dothistroma pini] of Pinus radiata. (Spa) Ana Magan, F J F de *Comun Ser Prod Veg Inst Nac Invest Agrar* 3, 16 P. Ref. Eng. Sum. 1975

027941 275.29 ID131DC
Powdery mildew [Erysiphe betae] of sugarbeets. Fenwick, H S; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 307, 2 P. June 1975

027942 475 SCI23
A new fruit rot of brinjal (Solanum melongena L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. Dubey, G S *Curr Sci* 44 (22); 823-824. Nov 20, 1975

027943 475 SCI23
Black rot' [Thielaviopsis paradoxa] of pineapple—a new record from south India. Sridhar, T S *Curr Sci* 44 (23): 869. Dec 5, 1975

027944 475 SCI23
Cellulolytic enzyme production/non-production by some pathogenic fungi. Dube, H C; Gour, H N *Curr Sci* 44 (22): 818-819. Nov 20, 1975

027945 475 SCI23
Cytological effects of fungicides, plantvax and vitavax on somatic cells of Allium cepa [Onions]. Mohan, S T *Curr Sci* 44 (22): 813-814. Nov 20, 1975

027946 475 SCI23
Ephelis oryzae syd. On some hosts new to India [Grasses]. Mishra, R P; Pall, B S *Curr Sci* 44 (23): 869. Dec 5, 1975

027947 475 SCI23
Microbiocidal activities of some amide complexes of diphenyltin dichloride [Fungi, bacteria]. Bajpal, B; Bajpal, K K *Curr Sci* 44 (23): 847-848. Dec 5, 1975

027948 475 SCI23
Sclerotium [rolfsii] wilt of Psoralea corylifolia. Singh, G P; Khare, K B *Curr Sci* 44 (22): 821. Nov 20, 1975

027949 475 SCI23
The influence of smut [Sphacelotheca anayati] on the productivity of Iseilema laxum Hack. Dawar, K K; Singh, V P *Curr Sci* 44 (23): 866-867. Dec 5, 1975

027950 511 P444AE
Hybrid forms of malate dehydrogenase of Fusarium oxysporum f. sp. vasinfectum and the cotton plant. Rubin, B A; Kartashova, E R; Zolotukhina, E YU *Dokl Bot Sci* 220/222: 38-40. Ref. Jan/June 1975

QL461.E532
Association of sclerotial blight [Sclerotium rolfsii] with Spissistilus festinus girdling injury on soybean. Herzog, D C; Thomas, J W; Jensen, R L; Newsom, L D *Environ Entomol* 4 (6): 986-988. Ref. Dec 1975

027951 SD1.E8
Ascospore discharge in Drepanopeziza punctiformis in relation to infection of some poplar [Populus] clones. Kam, M de *Eur J For Pathol* 5 (5): 304-309. Oct 1975

027952 SD1.E8
Studies of cytology and growth of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development [Forest trees]. (Ger) Ahrberg, H E *Eur J For Pathol* 5 (5): 287-303. Ref. Eng. Sum. Oct 1975

027953 SD1.E8
The status of Crumenula sororia infections in crops of Corsican pine [Pinus nigra maritima]. Hayes, A J; Ahmad, A M *Eur J For Pathol* 5 (5): 257-266. Ref. Oct 1975

027954 SD1.E8
Treatment of wounds on Acer rubrum with Trichoderma viride [caused by fungi and bacteria]. Pottle, H W; Shigo, A L *Eur J For Pathol* 5 (5): 274-279. Oct 1975

027955 SD1.E8
[Fungal] pathogens observed on lodgepole pine [Pinus contorta latifolia] grown in Finland. Weissenberg, K von *Eur J For Pathol* 5 (5): 309-317. Map. Oct 1975

027956 275.29 M58B
Bean rust [Uromyces phaseoli typica]. Andersen, A L; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 893, 2 P. Oct 1975

027957 275.29 M58B
White mold [Whetzelinia sclerotiorum] of beans. Andersen, A L; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 892, 2 P. Oct 1975

027958 S19.F37
Important powdery mildew [Erysiphaceae] diseases in India and their control. Mohanraj, D; Arjunan, G *Farmer Parliament* 10 (4): 8-10, 25-28. Apr 1975

027959 26 H27
Black rot of apples and trials for its control. (Heb) Pappo, Sh; Arenstein, Z; Ben-Gal, O; Bankier, E *Hassadeh* 56 (1): 68-72. Eng. Sum. Oct 1975

64.8 H66
Establishment of new sources of resistance to the groups of races of barley pollen smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. (Pol) Kozera, W; Roszko, A *Hodowla Rosl Aklim Inasiennic* 19 (3): 287-304. Ref. Eng. Sum. 1975

027960 64.8 H66
Relation between percent of infection of plants and heads as criterion for evaluation of susceptibility of barley to Ustilago nuda (Jens.) Rostr. (Pol) Kozera, W; Roszko, A *Hodowla Rosl Aklim Inasiennic* 19 (3): 281-286. Ref. Eng. Sum. 1975

027961 SB215.I5
Forecasting incidence and issuing warnings for sugarbeet leaf spot (Cercospora beticola Sacc.) in Yugoslavia. Maric, A *I I R B (Inst Int Rech Better)* 7 (1): 11-23. Ref. 1975

027962 SB215.I5
Some characteristics of the 'Caida' disease of sugarbeet inChile, and its control [Fungi]. Gonzalez, M G *I I R B (Inst Int Rech Better)* 7 (1): 55-60. 1975

SB123.E91
Fusarium wilt of alfalfa and studies of disease resistance. Manninger, S *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 61-70. Ref. 1973 (Pub. 1974)

SB123.E91
Selection criteria for Verticillium tolerance of alfalfa. (Fre) Guy, P; Genier, G *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 49-59. Eng. Sum. 1973 (Pub. 1974)

SB123.E91
Some aspects of the lucerne breeding work in the GDR [German Democratic Republic] against Verticillium albo-atrum. Steuckardt, R; Hempel, K; Kuhfuss, K H *In European Association for Research on Plant Breeding Fodder Crops Section Proceedings of the Conference in Kompo* P. 93-109. 1973 (Pub. 1974)

QR1.I53 1974
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae [fungus vector] and transmission by sap inoculation. Hidaka, S; Tagawa, H; Hidaka, Z *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 287-296. 1974 (Pub. 1975)

027963 QR1.I53 1974
Agricultural antibiotics [Control of fungal and bacterial plant diseases]. Dekker, J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 573-588. Ref. 1974 (Pub. 1975)

027964 QR1.I53 1974
Agricultural antibiotics in India [Control of fungal and bacterial plant diseases]. Raychaudhuri, S P; Vir, D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 598-605. Ref. 1974 (Pub. 1975)

027965 QR1.I53 1974
Beet necrotic yellow vein virus and its relation to the fungus, Polymyxa betae. Tamada, T; Abe, H; Baba, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 313-320. Ref. 1974 (Pub. 1975)

027966 QR1.I53 1974
Biochemical and biological aspects of fungal viruses. Lemke, P A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 380-395. 1974 (Pub. 1975)

027967 QR1.I53 1974
Conidia liberation in Pyricularia [Plant pathogenic fungi]. Hashioka, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 141-144. 1974 (Pub. 1975)

027968 QR1.I53 1974
Cytochemical aspects of specificity in plant pathogen interactions. Williams, P H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 32-40. Ref. 1974 (Pub. 1975)

027969 QR1.I53 1974
Electron microscopic study of several fungal viruses. Yamashita, S; Doi, Y; Yora, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 340-350. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Electron microscopy of virus-infected cultivated mushroom and of an ascomycete fungus. Dieleman-van Zaayen, A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 351-358. Ref. 1974 (Pub. 1975)

027970 QR1.I53 1974
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. Scheffer, R P *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 12-21. Ref. 1974 (Pub. 1975)

027971 QR1.I53 1974
Induced susceptibility or induced resistance as causes of host-parasite specificity [Wheat, stem rust, Puccinia graminis tritici]. Daly, J M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 3-11. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Isolation and characterization of viruses from fungi. Wood, H A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 362-379. Ref. 1974 (Pub. 1975)

027972 QR1.I53 1974
Mechanism of the hypersensitive cell-death in host-parasite interaction [Potatoes, Phytophthora infestans]. Tomiyama, K; Doke, N; Lee, H S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.3): 46-51. 1974 (Pub. 1975)

027973 QR1.I53 1974
Mode of action of a new fungicide, S-1358 [Monilinia fructigena]. Kato, T; Tanaka, S; Ueda, M; Kawase, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 525-529. 1974 (Pub. 1975)

027974 QR1.I53 1974
Observation by means of electron-microscope on the location of fungi in plant gall. Nozu, M; Yamamoto, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 145-148. 1974 (Pub. 1975)

027975 QR1.I53 1974
Occurrence and nature of naturally-occurring antagonism to Gaeumannomyces graminis [Wheat take-all fungus]. Cook, R J; Rovira, A D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 439-444. 1974 (Pub. 1975)

027976 QR1.I53 1974
Perforation and lysis of fungal spores in natural soils [Cochlioobolus sativus, cereals, root-rot]. Old, K M; Wong, J N F *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 453-462. Ref. 1974 (Pub. 1975)

027977 QR1.I53 1974
Physiological and biochemical aspects of specificity in plant-parasite interaction [Fungus and bacterial diseases]. Kuc, J; Currier, W; McIntyre, J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 22-31. Ref. 1974 (Pub. 1975)

027978 QR1.I53 1974
Potato mop-top virus and its vector, [the powdery scab fungus] Spongospora subterranea. Harrison, B D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 303-312. Ref. 1974 (Pub. 1975)

027979 QR1.I53 1974
Problems of the biological soil disinfection [Gaeumannomyces graminis]. Zogg, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 436-438. Ref. 1974 (Pub. 1975)

027980 QR1.I53 1974
Some recent advances in the study of fungal viruses. Hollings, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 323-339. Ref. 1974 (Pub. 1975)

027981 QR1.I53 1974
The fungus-host interface [Erysiphe pisi, peas]. Gay, J; Gil, F *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 125-130. 1974 (Pub. 1975)

027982 QR1.I53 1974
The involvement of host-specific toxins in early step of infection by Alternaria kikuchiana and Alternaria mali [Pears, apples]. Nishimura, S; Kohmoto, K; Otani, H; Fukami, H; Ueno, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 41-45. 1974 (Pub. 1975)

027983 QR1.I53 1974
The nature of the infectious agent of tobacco stunt [virus] in relation to its [fungus] vector, Olpidium brassicae. Hiruki, C; Alderson, P G; Kobayashi, N; Furusawa, I *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 297-302. 1974 (Pub. 1975)

027984 QR1.I53 1974
Transmission of tobacco necrosis virus by Olpidium brassicae. Teakle, D S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 285-286. 1974 (Pub. 1975)

027985 QR1.I53 1974
Ultrastructural changes in host-parasite interface of chrysanthemum rust [Puccinia horiana] treated with oxycarboxin. Kajiwara, T; Takahashi, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 131-135. 1974 (Pub. 1975)

027986 QR1.I53 1974
Validamycin, a new antibiotic for Rhizoctonia disease control [Sheath blight, rice]. Wakae, O; Matsuura, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 620-629. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Virus like particles in fungi. Lapierre, H D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 359-361. 1974 (Pub. 1975)

027987 QH301.I54
Factors influencing the growth of fungi in high-moisture corn treated with propionic acid. Smith, R E; Stevenson, K R *Int Biodeterior Bull* 11 (3): 97-100. Ref. Autumn 1975

027988 99.8 IT12
Research activity in some forest pathology institutes in the United States of America: report of a study trip [Pinus monticola, Cronartium ribicola, Cronartium fusiforme]. (Ita) Raddi, P *Ital For Mont* 29 (4): 145-154. Ref. July/Aug 1974

027989 442.9 AK124
Occurrence of fungi of the genus Fusarium on fruits and vegetables during their winter storing in the Turkmen SSR. (Rus) Kerbabaeva, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 37-42. Eng. Sum. 1975

027990 442.9 AK124
Parasitic fungi of some plant associations of southwestern Turkmenistan flat lands. (Rus) Koshkelova, E N; Bezukhova, E P *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 10-18. Ref. Eng. Sum. 1975

421 J822
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. Widstrom, N W; Sparks, A N; Lillehoj, E B; Kwolek, W F *J Econ Entomol* 68 (6): 855-856. Dec 15, 1975

448.3 J823
Chemical composition of the hyphal wall of a toxigenic fungus, Penicillium rubrum stoll. Unger, P D; Hayes, A W *J Gen Microbiol* 91 (1): 201-206. Ref. Nov 1975

027991 80 J825
Effects of some fungicide treatments on earthworm populations and leaf removal in apple orchards. Cook, M E; Swait, A A J *J Hortic Sci* 50 (4): 495-499. Oct 1975

027992 80 J825
Growth of broadbeans infected by Botrytis fabae [Chocolate spot]. Williams, P F *J Hortic Sci* 50 (4): 415-425. Oct 1975

027993 99.8 N62
"Atropellis [treleasei] canker" on planted Picea abies in Hokkaido, Japan. (Jpn) Takahashi, I; Saho, H *J Jap For Soc* 57 (9): 318-321. Eng. Sum. Sept 1975

027994 SB951.A1J3
1974 evaluation of candidate pesticides. Fungicides: upland[fruit] crops. Yamada, S *Jap Pestic Inf* 24: 14-16. July 1975

027995 SB951.A1J3
1974 evaluation of candidate pesticides. Fungicides: fruit trees. Kishi, K *Jap Pestic Inf* 24: 16-17. July 1975

027996 75.8 K147
Control of Phytophthora [diseases] of the potato. (Rus) Kuznetsova, IU; Pshechenkov, K; Firsenkov, A *Kartofel Ovoschi* 6: 36-37. June 1975

027997 75.8 K147
Fungal antagonists for [biological] control of tomato Fusarium diseases. (Rus) Panteleev, A *Kartofel Ovoschi* 6: 39-40. June 1975

027998 75.8 K147
Phytophthora diseases can be avoided [Tomatoes]. (Rus) Vovk, M *Kartofel Ovoschi* 6: 44-45. June 1975

027999 75.8 K147
Symptoms of Rhizoctonia disease in [potato] tubers. (Rus) Pochanina, L *Kartofel Ovoschi* 5: 37-38. May 1975

028000 72.8 K522
Directional variability of Verticillium [wilt of cotton]. (Rus) Guseva, N N *Khlopkovodsto* 5: 42-43. May 1975

028001 72.8 K522
Fungicide properties of topsine for control of [Verticillium wilt of cotton]. (Rus) IUnusov, M R; Avezdzhanova, G P *Khlopkovodsto* 8: 24-25. Aug 1975

028002 59.8 L39
Anthracnose [Colletortichum glycines] of soybeans. (Por) Reis, E M *Lav Arroz* 28 (284): 42-45. Ref. Mar/Apr 1975

028003 59.8 L39
Mildew [Peronospora trifoliorum manshurica] of soybeans. (Por) Reis, E M *Lav Arroz* 28 (285): 22-28. Ref. June 1975

028004 59.8 L39
Tests of sources of resistance to blast [Pyricularia oryzae, rice]. (Por) Ribeiro, A S *Lav Arroz* 28 (284): 52-56. Mar/Apr 1975

028005 QK600.M5
A culture medium for certain species of fungi —pathogens of spot diseases. (Rus) Kirsanov, G P *Mikol Fitopatol* 9 (4): 347-348. 1975

028006 QK600.M5
About the toxins of spheropsidal fungi [plant pathogens]. (Rus) Uspenskaia, G D; Reshetnikova, I A *Mikol Fitopatol* 9 (4): 355-357. Ref. 1975

028007 QK600.M5
Activity of mitochondrial adenosine triphosphate enzyme in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. (Rus) Guzhova, N V; Rubin, B A; Byvalova, T A; Bugakova, N V *Mikol Fitopatol* 9 (4): 273-277. Ref. 1975

028008 QK600.M5
Alternaria [tenuis] rot of sunflower in Kuban. (Rus) Svetov, V G *Mikol Fitopatol* 9 (5): 418-421. 1975

028009 QK600.M5
Conditions of germination of chlamidospores of smut Urocystis leimbachii (Oertel) Liro and the ways of its infection of Adonis vernalis. (Rus) Lyman, V E; Drozdovskaia, L S *Mikol Fitopatol* 9 (5): 436-438. 1975

028010 QK600.M5
Epiphytotic character of Ceratohorum [setosum] disease of the yellow lupine in the Udmurt ASSR. (Rus) Zolotarev, A I *Mikol Fitopatol* 9 (5): 433-435. 1975

028011 QK600.M5
Fungistatic action of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and root rot of cereals]. (Rus) Afanas'eva, M M *Mikol Fitopatol* 9 (5): 428-431. Ref. 1975

028012 QK600.M5
Genetic differentiation of the pathogen of wheat bunt [Tilletia caries]. (Rus) Krivchenko, V I; Miagkova, D V; Odintsova, I G *Mikol Fitopatol* 9 (4): 311-315. Ref. 1975

028013 QK600.M5
Isolation and characteristics of phytotoxic substance produced by Fusarium lateritium Nees. (Rus) Berestetskii, O A; Nadkernichnyi, S P; Patyka, V F *Mikol Fitopatol* 9 (4): 325-327. Ref. 1975

028014 QK600.M5
Methods of determining the amount of sores produced by rust and other phytopathogenic fungi. (Rus) Sanin, S S; Shinkarev, V P; Kaidash, A S *Mikol Fitopatol* 9 (5): 443-445. 1975

028015 QK600.M5
Mycoflora of the rhizosphere and roots of pome fruits in the Maritime Territory [Pathogenic fungi]. (Rus) Egorova, L N; Svishch, L G *Mikol Fitopatol* 9 (4): 283-288. 1975

028016 QK600.M5
Nucleoproteids from sprouts of potato varieties resistant and susceptible to the fungus Synchytrium endobioticum (Schilb.) Perc. [Wart]. (Rus) Reshetova, E K; Volovik, A S; Doliagin, A B *Mikol Fitopatol* 9 (5): 438-440. Ref. 1975

028017 QK600.M5
Overwintering, sources of infection and development cycle of Phytophthora infestans (Mont.) de By. [Late blight of potatoes]. (Rus) Dorozhkin, N A; Bel'skaia, S I *Mikol Fitopatol* 9 (5): 405-409. Ref. 1975

028018 QK600.M5
Parasitic fungi on [forage] legumes during the winter period in the foothill zone of Kabardino-Balkaria. (Rus) Savintseva, Z D; Lisetskii, G M *Mikol Fitopatol* 9 (4): 339-341. 1975

028019 QK600.M5
Pathogenic races of potato wart [Synchytrium endobioticum (Schilb.) Perc.] and their virulence. (Rus) IAkovleva, V I *Mikol Fitopatol* 9 (5): 421-425. Ref. 1975

028020 QK600.M5
Peculiarities of wheat stem rust [Puccinia graminis] races prevailing in the Georgian SSR. (Rus) Tsikaridze, O N *Mikol Fitopatol* 9 (4): 341-342. 1975

028021 QK600.M5
Resistance of Jonathan apples to fungal diseases in storage. (Rus) Mudretsova-Viss, K A; Kolesik, S A; Griniuk, T I *Mikol Fitopatol* 9 (5): 414-417. 1975

028022 QK600.M5
Rust fungi (Uredinales) in the Lithuanian SSR. (Rus) Minkevicius, A *Mikol Fitopatol* 9 (5): 409-414. Ref. 1975

028023 QK600.M5
Rust on liana Dioscorea nipponica Makino. (Rus) Drozdovskaia, L S *Mikol Fitopatol* 9 (4): 331-333. 1975

028024 QK600.M5
Study of the infection process by wheat rust using luminescent microscopy. (Rus) Lanetskii, V P; Zakhriapina, T D; Pospelov, L P; Filin-Koldakov, B V; Torovtsev, V V *Mikol Fitopatol* 9 (4): 348-349. 1975

028025 QK600.M5
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of maize] strains that are distinct in nuclear ploidy and pathogenicity. (Rus) Avramenko, R S; Skripka, O V; Kuznetsov, L V *Mikol Fitopatol* 9 (5): 426-427. 1975

QK600.M5
The effect of ecological factors on the vertical distribution of micromycetes [including plant pathogenic fungi] in soils of East Georgia [USSR]. (Rus) Dadalauri, T G *Mikol Fitopatol* 9 (4): 327-331. 1975

028026 QK600.M5
The effect of membrane-active substances and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, Botrytis cinerea]. (Rus) Bekker, Z E; Azimova, R M; Pushkareva, I D *Mikol Fitopatol* 9 (5): 369-376. Ref. 1975

028027 QK600.M5
The effect of various factors on the production of pectolytic enzymes by Verticillium dahliae Kleb. [Cotton wilt]. (Rus) Sagdieva, M G; Vasil'eva, K V *Mikol Fitopatol* 9 (5): 400-404. Ref. 1975

028028 QK600.M5
The racial composition of the pathogen of stem rust of oats, Puccinia graminis Pers. f. sp. avenae Eriks. et Henn. and its variability. (Rus) Suzdal'skaia, M V; Bukanova, V K *Mikol Fitopatol* 9 (4): 319-324. Ref. 1975

028029 QK600.M5
The role of fungi of the genus Cytospora Fr. In the dieback of stone fruits in the Crimea. (Rus) Petrushova, N I; Ovcharenko, G V; Evmenenko, A F; Medvedeva, G V *Mikol Fitopatol* 9 (4): 315-319. 1975

028030 QK600.M5
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the powdery mildew [Podosphaera leucotricha] of apple trees. (Rus) Odintsova, O V *Mikol Fitopatol* 9 (4): 337-339. Ref. 1975

028031 QK600.M5
The status of "tomato" races of Phytophthora infestans [Late blight]. (Rus) D'iakov, IU T; Ashchaie, A; Vainshtein, V M *Mikol Fitopatol* 9 (4): 277-282. Ref. 1975

028032 410.9 G31M
The yellow rust, Puccinia striiformis West. (Ger) Hassebrauk, K; Robbelen, G *Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)* 164, 183. Ref. Sept 1975

028033 QH301.M6
Influence of actidion on the germination of the uredospores of Uromyces caryophyllinus (Schrank) Wint. [Ornamental plants]. Likhachev, A N; Vasin, V B *Moscow Univ Biol Sci Bull* 29 (5/6): 105-106. 1974

028034 S542.A1N45
Comparison of benomyl and captafol with Bordeaux mixture for control of European canker [Nectria galligena] of apple. Brook, P J; Clarke, A D *N Z J Exp Agric* 3 (3): 271-272. Sept 1975

028035 S542.A1N45
Effect of mulching on the incidence of Sclerotinia minor onlettuce. Hawthorne, B T *N Z J Exp Agric* 3 (3): 273-274. Sept 1975

028036 S542.A1N45
Patterns in the numbers of air-borne conidia of apple powdery mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. Hammett, K R W *N Z J Exp Agric* 3 (3): 267-270. Sept 1975

028037 SD111.N45N4
Distribution and infection period of Phaeocryptopus gaeumannii [Pseudotsuga menziesii] in New Zealand. Hood, I A; Kershaw, D J *N Z J For Sci* 5 (2): 201-208. Map. Ref. Aug 1975

028038 SB951.A1P4
Dutch elm disease [Ceratocystis ulmi] concludes its westward march through North America. Siddiqui, I A *Natl Pest Control Oper News* 36 (9/10): 5-6. Sept/Oct 1975

028039 SB401.P4P4
Preliminary studies on the incidence of molds on pecan nuts during harvesting and drying [Aspergillus flavus, Aspergillus parasiticus]. Beuchat, L R; Williamson, R E; Holmes, M R *Pecan South* 2 (6): 244-247. Nov 1975

028040 SB951.P47
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and fungitoxicity to Erysiphe graminis on barley [Powdery mildew]. Brown, D; Woodcock, D *Pestic Sci* 6 (4): 347-362. Ref. Aug 1975

028041 SB951.P47
Structure-activity relationships in fungitoxicants related to triforine and chloraniformethan. II. Redistribution on barley and marrow seedlings. Brown, D; Woodcock, D *Pestic Sci* 6 (4): 363-369. Aug 1975

028042 SB951.P47
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. III. A quantitative Hansch analysis [Barley, Erysiphe graminis, powdery mildew]. Brown, D; Woodcock, D *Pestic Sci* 6 (4): 371-384. Ref. Aug 1975

028043 SB951.P47
Surfactants for the control of apple [powdery] mildew [Podosphaera leucotricha]. Clifford, D R; Hislop, E C *Pestic Sci* 6 (4): 409-418. Ref. Aug 1975

028044 464.9 P482
Loose smut of wheat and barley, even though the seed has been dressed [Ustilago nuda]. (Ger) Zwatz, B *Pflanzenarzt* 28 (8): 94-95. Aug 1975

028045 450 P5622
Phenylacetic acid meta hydroxylase from Rhizoctonia solani [the causal fungus of a serious soilborne disease of plants]. Kohmoto, K; Nishimura, S *Phytochemistry* 14 (10): 2131-2133. Ref. Oct 1975

464.8 P562
Effect of volatile substances from species of Labiatae on rhizospheric and phyllospheric fungi of Phaseolus vulgaris [Kidney beans]. Afifi, A F *Phytopathol Z* 83 (4): 296-302. Ref. Aug 1975

028046 464.8 P562
Influence of powdery mildew [Erysiphe graminis] on mitotic cell division of apical root meristems of barley. Minarcic, P; Paulech, C *Phytopathol Z* 83 (4): 341-347. Ref. Aug 1975

028047 464.8 P562
Laboratory testing for the resistance of potato tubers to gangrene (Phoma exigua var. foveata). Pietkiewicz, J B; Jellis, G J *Phytopathol Z* 83 (4): 289-295. Ref. Aug 1975

028048 464.8 P562
Phoma tropica n. Sp., a nonpathogenic fungus, commonly occurring on greenhouse plants. (Ger) Schneider, R; Boerema, G H *Phytopathol Z* 83 (4): 360-366. Eng. Sum. Aug 1975

028049 464.8 P56
Capsidiol induction in pepper fruit during interactions with Phytophthora capsici and Monilinia fructicola. Jones, D R; Unwin, C H; Ward, E W B *Phytopathology* 65 (12): 1417-1419. Ref. Dec 1975

028050 464.8 P56
Colonization of ergot [Claviceps purpurea] honeydew by Fusarium heterosporum. Cunfer, B M *Phytopathology* 65 (12): 1372-1374. Ref. Dec 1975

028051 464.8 P56
Development of the stem and crown rust fungi on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. Kochman, J K; Brown, J F *Phytopathology* 65 (12): 1404-1409. Ref. Dec 1975

028052 464.8 P56
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. Politowski, K; Browning, J A *Phytopathology* 65 (12): 1400-1404. Ref. Dec 1975

028053 464.8 P56
Environmental factors affecting brown-spot [Scirrhia acicola] infection on longleaf pine [Pinus palustris]. Kais, A G *Phytopathology* 65 (12): 1389-1392. Ref. Dec 1975

028054 464.8 P56
Factors affecting the occurrence and severity of blackmold of ripe tomato fruit caused by Alternaria alternata. Pearson, R C; Hall, D H *Phytopathology* 65 (12): 1352-1359. Ref. Dec 1975

028055 464.8 P56
Interactions of Pythium myriothylum with several fungi in peanut pod rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. Garcia, R; Mitchell, D J *Phytopathology* 65 (12): 1375-1381. Ref. Dec 1975

028056 464.8 P56
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. Ellis, M A; Sinclair, J B *Phytopathology* 65 (12): 1387-1389. Ref. Dec 1975

028057 464.8 P56
Mycoflora of pecans treated with heat, low temperatures, or methyl bromide for control of the pecan weevil [Curculio caryae]. Wells, J M; Payne, J A *Phytopathology* 65 (12): 1393-1395. Dec 1975

028058 464.8 P56
Ontogenetic predisposition of tomato foliage to race O of Phytophthora infestans [Late blight]. Dowley, L J; Routley, D G; Peirce, L C *Phytopathology* 65 (12): 1422-1424. Ref. Dec 1975

028059 464.8 P56
Production and dispersal of ascospores of Eutypa armeniacaein California [Cytosporina dieback, apricots]. Ramos, D E; Moller, W J; English, H *Phytopathology* 65 (12): 1364-1371. Ref. Dec 1975

028060 464.8 P56
Residual effect of soil fumigation with vine burning on control of Verticillium [albo-atrum] wilt of potato. Easton, G D; Nagle, M E; Bailey, D L *Phytopathology* 65 (12): 1419-1422. Ref. Dec 1975

028061 464.8 P56
Sclerotinia sclerotiorum: viability and separation of sclerotia from soil [Sunflowers]. Hoes, J A; Huang, H C *Phytopathology* 65 (12): 1431-1432. Dec 1975

028062 464.8 P56
Susceptibility of apricot tree pruning wounds to infection by Eutypa armeniacae [Cytosporina dieback]. Ramos, D E; Moller, W J; English, H *Phytopathology* 65 (12): 1359-1364. Ref. Dec 1975

028063 464.8 P56
Ultrastructural changes in pepper cells in interactions with Phytophthora capsici (isolate 18) and Monilinia fructicola. Jones, D R; Graham, W G; Ward, E W B *Phytopathology* 65 (12): 1409-1417. Dec 1975

028064 464.8 P56
Use of safflower seedlings for the detection and isolation of Phytophthora cactorum from soil and its application to population studies. Banihashemi, Z; Mitchell, J E *Phytopathology* 65 (12): 1424-1430. Ref. Dec 1975

028065 464.8 P56
Wilt development in red oak [Quercus rubra] seedlings: a new system for studying oak wilt [Ceratocystis fagacearum]. Fenn, P; Durbin, R D; Kuntz, J E *Phytopathology* 65 (12): 1381-1386. Ref. Dec 1975

028066 1.9 P69P
Aerial application of systemic and nonsystemic fungicides for control of mummy berry disease [Monilinia vaccinii-corymbosi] of highbush blueberry. Ramsdell, D C; Nelson, J W; Myers, R L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 873-876. Nov 1975

028067 1.9 P69P
Control of needle cast [Lophodermium pinastri] of Scotch pine [Pinus sylvestris] in South Carolina [Leptostroma]. Witcher, W; Arnett, J D; Baxter, L W; Cocke, M L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 881-883. Nov 1975

028068 1.9 P69P
Hendersonula toruloidea associated with a serious wilt disease of shade trees [Ficus benghalensis] in the Sudan. Giha, O H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 899-902. Nov 1975

028069 1.9 P69P
Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. Wilkinson, J F; Martin, D P; Larsen, P O; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 935-938. Nov 1975

028070 1.9 P69P
Lack of foliar protection from early blight [Alternaria solani] by aircraft-applied fungicides on sprinkler-irrigated potatoes. Easton, G D; Nagle, M E; Bailey, D L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 910-914. Ref. Nov 1975

028071 1.9 P69P
Leaf scald [Rhynchosporium oryzae] of rice, a new disease in Bangladesh. Bakr, M A; Miah, S A; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 909. Nov 1975

028072 1.9 P69P
Monilinia [laxa] life cycle on sweet cherries and its control by overhead sprinkler fungicide applications. Ogawa, J M; Manji, B T; Schreader, W R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 876-880. Nov 1975

028073 1.9 P69P
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. Wells, J M; Bennett, A H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 931-935. Nov 1975

028074 1.9 P69P
Reduction of apple scab fungus [Venturia inaequalis] inoculum with fungicides. Alexander, S A; Lewis, F H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 890-894. Nov 1975

028075 1.9 P69P
Shoot blights of ohia and koa [Metrosideros collina polymorpha, Acacia koa] caused by Calonectria theae. Nishijima, W T; Aragaki, M; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 883-885. Ref. Nov 1975

028076 1.9 P69P
Thecaphora solani on potatoes in Peru: present distributionand varietal resistance. Zachmann, R; Bauman, D; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 928-931. Ref. Nov 1975

028077 450 P692
Photocontrol of fungal spore germination [Puccinia graminis tritici, wheat stem rust]. Lucas, J A; Kendrick, R E; Givan, C V *Plant Physiol* 56 (6): 847-849. Ref. Dec 1975

028078 513 N212 PT.B
Effect of native carbon sources and pH [hydrogen-ion concentration] on the pectolytic enzymes of Alternaria solani and Alternaria tenuis. Mehta, P; Vyas, K M; Saksena, S B *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 433-439. Ref. Aug 1974

028079 513 N212 PT.B
Utilization of nitrite nitrogen by four fungi [Gliocephalotichum bulbilium, Aspergillus] causing 'fruit rot' diseases. Jamaluddin,; Tandon, M P; Tandon, R N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 373-378. Aug 1974

028080 79.9 N213
Fungicide resistance: an approach to the problem. Hartill, W F T; Beever, R E; Brook, P J *Proc N Z Weed Pest Control Conf* 28th: 130-132. 1975

028081 S293.C6N31
Chemical control of soybean rust [Phakopsora pachyrhizi]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 94-103. 1974

028082 S293.C6N31
Chemical seed treatment to control damping-off of cotton seedlings [Rhizoctonia solani]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 78-80. 1974

028083 S293.C6N31
Control of black stripe disease [Phytophthora botryosa] of rubber. Chowana, C; Templeton, J K *Proc Natl Conf Agric Biol Sci* 13: 10-16. 1974

028084 S293.C6N31
Diaporthe phaseolorum var. Sojae (Lehman) Wehmeyer. Effect of some fungicides on spore germination of Diaporthe phaseolorum var. sojae (Lehman) Wehmeyer. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 104-110. 1974

028085 S293.C6N31
Mulberry [Morus] mosaic disease in Thailand [caused by Phyllactnia corylae]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 114-119. Ref. 1974

S293.C6N31
Quality improvement [of maize resistance to downy mildew]. Sriwatanapongse, S *Proc Natl Conf Agric Biol Sci* 13: 227-231. 1974

028086 S293.C6N31
Study on host reaction of some selected varieties of soybean rust [Phakopsora pachyrhizi]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 86-93. 1974

028087 14 P94
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). (Fre) Bolay, A; Rochaix, M *Prog Agric Vitic* 92 (19): 564-566. (Concluded) Oct 1, 1975

028088 28 IN83P
Present situation of coffee rust (Hemileia vastatrix] in Latin America. (Spa) Schieber, E *Publ Misc Interam Inst Agric Sci* 123, 50 P. Ref. Eng. Sum. Apr 1975

028089 SB23.C6A3
Annotated bibliography on growth-promoting properties of dithiocarbamate fungicides, 1966-1974. *Query File Commonw Bur Hortic Plant Crops* 24/75, 5 P. Oct 1975

028090 68.28 R322
Evaluation of chemical products in the control of Pellicularia koleroga Cke. [Coffee fungus disease]. (Spa) *Rev Cafetalera* 141: 7-10. Feb 1975

028091 9.4 R328
Anivax, a new Esso product for controlling coffee rust [Hemileia vastatrix]. (Spa) *Rev ESSO Agric* 21 (1): 5-9. Jan/Mar 1975

028092 SB387.R4
Hours and misfortunes of systemic fungicides in the control of gray rot [Botrytis cinerea] of grapes. (Fre) Bolay, A; Rochaix, M *Rev Suisse Vitic Arboric Hortic* 7 (4): 137-147. Ref. July/Aug 1975

028093 SF1.R55
Fusarium and fusarioses of cereals. (Ita) Sottini, E *Riv Zootec Vet* 3: 207-219. Ref. May/June 1975

028094 Q1.A3S4
Phytophthora cinnamomi—an ancient immigrant to Australia. Shepherd, C J *Search, Sci Technol Soc* 6 (11/12): 484-490. Map. Ref. Nov/Dec 1975

028095 9.3 S14
New [fungus] diseases of strawberry in Chile. (Spa) Cancino E, L; Carreno I, I; Bordeu S, E *Simiente* 45 (1): 37-39. Ref. Jan/-Mar 1975

028096 68.19 M28
Certain problems of bioecology of the fungus Phomopsis diospyri Bong. (Rus) Dzimistarishvili, N B *Subtrop Kul't* 1: 135-137. 1975

028097 68.19 M28
Genetical effect of the toxin of the fungus Phoma tracheipfilla (Petri) Kantschaveli et Gikaschvili on citrus crops. (Rus) Kerkadze, I G *Subtrop Kul't* 1: 53-58. 1975

028098 68.19 M28
Measures of control of bamboo shoots rot [Coniosporium bambusae]. (Rus) Beradze, L A *Subtrop Kul't* 1: 99-102. 1975

028099 68.19 M28
The results of testing some fungicides against anthracnose of citrus crops [Colletotrichum gloeosporioides]. (Rus) Mkervali, V G; Gogolishvili, Z A *Subtrop Kul't* 1: 64-67. 1975

450 SV2
A new species Doassansia alismatis-oligococci Vanky on Alisma oligococcum in Sri Lanka. Vanky, K *Sven Bot Tidskr* 69 (1): 45-48. 1975

028100 69.8 T112
Field resistance of tobacco varieties and hybrids to downy mildew [Peronospora tabacina]. (Rus) Sarychev, IU F; Vinogradov, V A; Ivanitskii, K I *Tabak* 3: 52-54. 1975

028101 64.8 Z12
Possibilities of protecting potatoes against warts [Synchytrium endobioticum]. (Cze) Potocek, J *Uroda* 23 (5): 185-186. May 1975

028102 20 V82
Agrotechniques in controlling loose smut of maize [Sorosporium reilianum]. (Ukr) Hrysenko, H V; Dudka, IE L *Visn Sil's'kohospod Nauki* 9: 53-58. Sept 1975

028103 18 J825
Investigations on the susceptibility of maize hybrids against root rot [Fusarium, Aureobasidium bolleyi]. (Ger) Kruger, W; Weiler, N *Z Acker Pflanzenbau* 141 (3): 205-210. Ref. Eng. Sum. Oct 1975

028104 464.8 Z3
A new method for quantitative direct observation of sporangia of Phytophthora cactorum (Leb. et Cohn) Schroet, [Plant pathogens] in the soil. (Ger) Gisi, U *Z Pflanzenkr Pflanzenschutz* 82 (1): 30-47. Ref. Eng. Sum. 1975

028105 464.8 Z3
Foot rot of cereals [Summaries of papers on fungus diseases]. Kruger, W comp *Z Pflanzenkr Pflanzenschutz* 82 (1): 48-60. 1975

028106 464.8 Z3
Fundamentals of a powdery mildew [Erysiphe graminis] forecast on spring barley. (Ger) Klose, A *Z Pflanzenkr Pflanzenschutz* 82 (1): 13-21. Ref. Eng. Sum. 1975

028107 421 Z1
Accelerated evaluation of the germinating power of the spores of resin fungi [Cronartium]. (Rus) Lanetskii, V P; Sanin, S S; Filin-Koldakov, B V; Babina, F A; Blagoderov, N V *Zashch Rast* 1: 48. Jan 1975

028108 421 Z1
Common scab of sugarbeet roots [Control]. (Rus) Tishchenko, E I; Pshenichuk, R F *Zashch Rast* 6: 43. June 1975

028109 421 Z1
Control of cabbage clubroot [Plasmodiophora brassicae]. (Rus) Poliakov, I M; Vladimirskaia, M E; Il'ina, M N *Zashch Rast* 4: 39-40. Apr 1975

028110 421 Z1
Determination of infectibility of barley by loose smut. (Rus) Bekk, E G *Zashch Rast* 6: 42-43. June 1975

028111 421 Z1
Disappearance of smut [Ustilaginales] from [cereal] fields [Orenburg Region]. (Rus) Dobrynin, A V *Zashch Rast* 2: 21. Feb 1975

028112 421 Z1
Injury to wheat seeds from Alternaria blight. (Rus) Korobeinikova, A V *Zashch Rast* 5: 23. May 1975

028113 421 Z1
Nonroot liquid [aerial] fertilization of wheat and the development of brown rust. (Rus) Saf'ianov, S P; Saf'ianova, V P *Zashch Rast* 5: 22. May 1975

028114 421 Z1
"Pasmo" disease of fiber flax [Septoria linicola, control]. (Rus) Primakovskaia, M A *Zashch Rast* 4: 48-49. Apr 1975

028115 421 Z1
Prophylaxis of storage rot [Sugarbeets]. (Rus) Kornienko, A S *Zashch Rast* 6: 21. June 1975

028116 421 Z1
Reserves for increasing the effectiveness of seed treatment [Covered smut, control, cereals]. (Rus) Kuznetsova, I F *Zashch Rast* 2: 11-13. Feb 1975

028117 421 Z1
Resin canker [Cronartium flaccidum, control, Pinus]. (Rus) Rozhkov, A A *Zashch Rast* 1: 44-45. Jan 1975

028118 421 Z1
Resistance of soybeans to root rots and wilting [Fusarium, Verticillium, Sclerotinia]. (Rus) Vardaniia, L IA *Zashch Rast* 2: 32. Feb 1975

028119 421 Z1
Results of testing fungicides and seed dressers [Plant disease control]. (Rus) Kabakhidze, D M; Batalova, T S *Zashch Rast* 1: 18-20. Jan 1975

028120 421 Z1
This is not a Fusarium disease! [Cereals]. (Rus) Kuznetsova, I F *Zashch Rast* 5: 34-36. May 1975

028121 421 Z1
Treat sunflower seeds in good time [with fungicides]. (Rus) Grechka, I V; Pochapskaia, E M *Zashch Rast* 2: 30. Feb 1975

028122 448.3 C33 (3)
Pre- and post-emergence losses of peanut caused by Aspergillus flavus Link. el-Khadem, M *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 245-250. 1975

PLANT BACTERIAL DISEASES AND CONTROL

028123 80 AC82
Biology and control of Xanthomonas hyacinthi in hyacinths. Kamerman, W *Acta Hortic* 47: 99-105. June 1975

028124 80 AC82
The influence of temperature and soil moisture on the incidence of Erwinia carotovora var. carotovora in forced Dutch irises. Kamerman, W *Acta Hortic* 51: 337-342. Aug 1975

028125 22.5 N682
Chemical control of Pseudomonas lachrymans bacterial disease of cucumbers. (Jpn) Ueda, S; Bekku, I; Nanji, H *Agric Hortic* 50 (6): 813-814. June 1975

028126 SB13.L32
Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with bacterial black spot [Erwinia mangiferae]. Van Lelyveld, L J *Agroplantae* 7 (3): 51-54. Ref. Sept 1975

028127 SB13.L32
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. Van Lelyveld, L J *Agroplantae* 7 (3): 45-50. Ref. Sept 1975

028128 SB13.L32
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. Van Lelyveld, L J *Agroplantae* 7 (3): 55-59. Ref. Sept 1975

028129 SB13.L32
Respiration rate of the mango fruit peel and its association with bacterial black spot [Erwinia mangiferae]. Van Lelyveld, L J; Esterhuizen, E W *Agroplantae* 7 (3): 67-69. Ref. Sept 1975

028130 450 AN4
Crown-gall [Agrobacterium tumefaciens] on castor bean leaves. V. Effect of light and chlorophyll content on tumour initiation. el Nur, E E; el Khalifa, M D *Angew Bot* 49 (3/4): 109-114. Nov 1975

028131 442.8 AN72
Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum [Sweet-cherry trees, leaf spot]. Freicoun, S O; Crosse, J E *Ann Appl Biol* 81 (3): 317-330. Ref. Dec 1975

028132 464.9 P562
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. (Jpn) Ohuchi, A; Tominaga, T *Ann Phytopathol Soc Jap* 41 (3): 307-313. Ref. Eng. Sum. July 1975

028133 464.8 AR2
A simple method for identifying pectinolytic capacities of bacterial isolates [Plant pathogens] (short communication). (Ger) Schmidt, A; Naumann, K *Arch Phytopathol Pflanzenschutz* 11 (4): 301-303. 1975

028134 442.8 B5236
Promotion of DNA renaturation by a non-DNA factor in [tobacco] crown gall tumor DNA preparations [Agrobacterium tumefaciens]. Kemp, J D; Merlo, D J *Biochem Biophys Res Commun* 67 (4): 1522-1526. Ref. Dec 15, 1975

SB278.J3I9
Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. (Jpn) Nakamura, A; Yamada, T; Oka, M; Tatemichi, Y; Eguchi, K; Ayabe, T; Kobayashi, K *Bull Iwata Tob Exp Stn* 7: 29-39. Ref. Eng. Sum. Mar 1975

028135 470 C16C
The relation between the shoots of plants inoculated with [witches' broom] Corynebacterium fascians [Peas]. (Fre) Rousaux, J; Horrelt, M *Can J Bot* 53 (17): 1934-1941. Ref. Eng. Sum. Sept 1, 1975

028136 450 C16
Seasonal changes in the epiphytic population of Erwinia amylovora on apple and pear. Dueck, J; Morand, J B *Can J Plant Sci* 55 (4): 1007-1012. Oct 1975

475 SCI23
Microbiocidal activities of some amide complexes of diphenyltin dichloride [Fungi, bacteria]. Bajpal, B; Bajpal, K K *Curr Sci* 44 (23): 847-848. Dec 5, 1975

028137 475 SCI23
Screening for genetic host resistance against the bacterial leaf spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. Mathew, J; Patel, P N *Curr Sci* 44 (23): 867-868. Dec 5, 1975

SD1.E8
Treatment of wounds on Acer rubrum with Trichoderma viride [caused by fungi and bacteria]. Pottle, H W; Shigo, A L *Eur J For Pathol* 5 (5): 274-279. Oct 1975

QR1.I53 1974
Agricultural antibiotics [Control of fungal and bacterial plant diseases]. Dekker, J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 573-588. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Agricultural antibiotics in India [Control of fungal and bacterial plant diseases]. Raychaudhuri, S P; Vir, D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 598-605. Ref. 1974 (Pub. 1975)

028138 QR1.I53 1974
Antimicrobial action of Pseudomonas on phytopathogenic bacteria. Galachyan, R M; Davtyan, A R *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 606-609. 1974 (Pub. 1975)

QR1.I53 1974
Physiological and biochemical aspects of specificity in plant-parasite interaction [Fungus and bacterial diseases]. Kuc, J; Currier, W; McIntyre, J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 22-31. Ref. 1974 (Pub. 1975)

028139 QR1.I53 1974
Unidirectional growth and branch formation in a thermoconditional mutant of Agrobacterium tumefaciens. Fujiwara, T; Fukui, S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 54-58. 1974 (Pub. 1975)

028140 448.3 J82
On the question of integration of Agrobacterium tumefaciensdeoxyribonucleic acid by tomato plants. Hanson, R S; Chilton, M D *J Bacteriol* 124 (3): 1220-1226. Ref. Dec 1975

028141 75.8 K147
Resistance of potato tubers during storage to Pectobacterium phytophthorum. (Rus) Pisarev, B; Tektonidi, I; Meshkova, Z *Kartofel Ovoschi* 1: 37-38. Jan 1975

028142 75.8 K147
Resistance of tomato varieties to black bacterial spot [Xanthomonas vesicatoria]. (Rus) Kvasnikov, B; Bogdanova, G *Kartofel Ovoschi* 6: 38-39. June 1975

028143 72.8 K522
About the development of [cotton] varieties with complex resistance [to Xanthomonas malvacearum and Rhizoctonia solani]. (Rus) Malinin, V M *Khlopkovodsto* 6: 31. June 1975

028144 421 M33
Stimulation and inhibition reactions in [pea] plants infected by Corynebacterium fascians (Tilford) Dowson. Roussaux, J *Marcellia* 38 (4): 305-310. Ref. Oct 1975

028145 385 C733N
Moko disease: its recognition and control [Pseudomonas solanacearum, bananas, Venezuela]. (Spa) *Not Agric* 7 (14): 53-56. Feb 1975

028146 464.8 P56
An antibacterial compound from Solanum phureja and its rolein resistance to bacterial wilt [Pseudomonas solanacearum]. Zalewski, J C; Sequeira, L *Phytopathology* 65 (12): 1336-1341. Ref. Dec 1975

028147 464.8 P56
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita [root-knot nematode] on tomato. De Moura, R M; Echandi, E; Powell, N T *Phytopathology* 65 (12): 1332-1335. Dec 1975

028148 450 P692
Technique for the determination of the rate of ethylene production by Pseudomonas solanacearum [Bacterial wilt, tomatoes, potatoes]. Bonn, W G; Sequeira, L; Upper, C D *Plant Physiol* 56 (5): 688-691. Nov 1975

028149 513 N212 PT.B
The distribution and the lysis patterns of the bacteriophages of Xanthomonas malvacearum, the incitant of bacterial blight of cotton. Singh, R P; Verma, J P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 363-368. Ref. Aug 1974

028150 100 N27 (3)
Leaf freckles and wilt of corn incited by Corynebacterium nebraskense Schuster, Hoff, Mandel, Lazar, 1972. Schuster, M L; Nebraska Agricultural Experiment Station *Res Bull Nebr Agric Exp Stn* 270, 40 P. Ref. May 1975

028151 22.5 T574
Studies on the leaf blight of rice plant. III. A metabolite of the pathogenic bacteria [Xanthomonas oryzae]. Miyazaki, E; Yamanaka, S; Misawa, T *Tohoku J Agric Res* 26 (1): 11-19. July 1975

028152 AS21.A75U5
Bibliography of the codling moth [Laspeyresia pomonella, fruits, walnuts]. Butt, B A; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 31, 221 P. Ref. Nov 1975

028153 20 M66
Pathogenic species of actinomycetes—pathogens of corky scab of potatoes. (Bel) Dorozhkin, N A; Remneva, Z I; Sidorevich, N H *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 83-87. 1975

028154 95.8 V77
Bacterial canker [Agrobacterium tumefaciens] in vineyards. (Rus) Gusarenko, T I; Mirzonova, M N *Vinodel Vinograd SSSR* 4: 32-33. 1975

028155 421 Z1
Bacterial blight [Erwinia amylovora] not discovered [but bacterial canker present on apples and pears in Maritime Territory]. (Rus) Mashara, N A *Zashch Rast* 5: 49-50. May 1975

028156 448.3 C33 (3)
Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and biochemical methods [Agents of bacterial blight on fruits]. (Ger) Greib, I; Fliege, H F; Stille, B *Zentralbl Bakteriol Parasitenkd Infektionskrankheiten Hyg II Naturwiss Abt* 130 (5): 409-423. Ref. Eng. Sum. 1975

PLANT VIRUS DISEASES AND CONTROL

028157 SB605.A8A9
Passiflora foetida, a widespread host of passionfruit woodiness virus in Queensland. Leggat, F W; Teakle, D S *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 22-23. Sept 1975

QH301.A28
Aphid transmission and epidemiology of barley yellow dwarf and maize dwarf mosaic in southern France. (Fre) Lelant, F; Lauriaut, F; Renoust, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 27-40. Ref. Eng. Sum. 1974

028158 QH301.A28
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. Lovisolo, O; Luisoni, E; Conti, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 1-8. Ref. 1974

028159 QH301.A28
Concentration of the barley stripe mosaic virus during disease development. Babovic, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 75-80. 1974

028160 QH301.A28
Epidemiological problems of barley yellow dwarf virus in Hungary. (Ger) Szirmai, J *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 87-94. Eng. Sum. 1974

028161 QH301.A28
Influence of chloroform evaporation on isolation and infectivity of barley stripe mosaic virus. Tosic, M; Sutic, D; Milinkovic, R *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 81-86. 1974

QH301.A28
Laodelphax striatellus as a vector of two cereal viruses in Italy. Conti, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 49-54. Ref. 1974

QH301.A28
Planthopper-transmitted virus diseases of cereals in Sweden. Lindsten, K *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 55-66. Map. 1974

028162 QH301.A28
Problems and possibilities for control of BYDV [barley yellow dwarf virus] in Britain [Aphids, vectors]. Plumb, R T *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 41-47. Ref. 1974

028163 QH301.A28
Relation between ectodesmata and infection of wheat leaves by wheat streak mosaic virus. Panic, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 67-74. Ref. 1974

028164 QH301.A28
Spreading of the mosaic virus on corn during vegetation. Tosic, M; Sutic, D *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 19-25. Ref. 1974

028165 QH301.A28
Sugarcane mosaic virus in sorghum. Grancini, P; Mariani, G *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 9-17. Ref. 1974

028166 80 AC82
A leaf mosaic in the Russian apple clone R 12 740-7A connected with a strain of cherry necrotic ringspot virus. Naumann, G *Acta Hortic* 44: 59-62. Feb 1975

028167 80 AC82
A member of the apple mosaic virus group occurring in Rubus. Converse, R H; Casper, R *Acta Hortic* 44: 63. Feb 1975

028168 80 AC82
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. (Fre) Llacer, G; Cambra, R *Acta Hortic* 44: 99-106. Ref. Eng. Sum. Feb 1975

028169 80 AC82
Apple latent viruses: transmission from herbaceous host tissue to Malus indicator plants and distribution in apple budwood. Uyemoto, J K; Stouffer, R F; Gilmer, R M *Acta Hortic* 44: 231-235. Ref. Feb 1975

028170 80 AC82
Apple proliferation [virus] disease in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. Pena-Iglesias, A *Acta Hortic* 44: 193-199. Ref. Feb 1975

028171 80 AC82
Attempt to organize plum pox control in international cooperation. (Fre) Souty, J *Acta Hortic* 44: 173. Feb 1975

028172 80 AC82
Bark split disease of prune trees and its association with strains of apple chlorotic leaf spot [virus]. Dunez, J; Marenaud, C; Delbos, R *Acta Hortic* 44: 81-91. Feb 1975

028173 80 AC82
Cherry leaf roll virus in Sambucus ebulus L. Mamula, D; Milicic, D *Acta Hortic* 44: 33-37. Feb 1975

028174 80 AC82
Crop reduction in pear trees caused by virus infection. Thomsen, A *Acta Hortic* 44: 119-122. Feb 1975

028175 80 AC82
Cydonia C 7-1 and Pyronia veitchii, two complementary indicators [Pears, apples, viruses]. (Fre) Desvignes, J C; Savio, A *Acta Hortic* 44: 139-146. Eng. Sum. Feb 1975

028176 80 AC82
Differences between twisted leaf and tomato bushy stunt virus in sweet cherry. Hansen, A J *Acta Hortic* 44: 55-57. Feb 1975

028177 80 AC82
Dual infection of Roundel cherry with ring mottle and European rusty mottle viruses. Ramaswamy, S *Acta Hortic* 44: 65-67. Feb 1975

028178 80 AC82
Evidence of a [peach wart] virus disease causing deformed stones on the peach seedling GF 305. (Fre) Desvignes, J C; Savio, A *Acta Hortic* 44: 113-117. Eng. Sum. Feb 1975

028179 80 AC82
Further studies about the host range of sharka (plum pox) virus. Hamdorf, G *Acta Hortic* 44: 155-162. Feb 1975

028180 80 AC82
Growth response to latent virus infection of apple trees on seedling rootstocks. Hickey, K D; Shear, G M *Acta Hortic* 44: 237-244. Feb 1975

028181 80 AC82
Growth, yield, and fruit quality of virus-infected and virus-free Golden Delicious apple trees. Meijneke, C A R; Oosten, H J van; Peerboom, H *Acta Hortic* 44: 209-212. Feb 1975

028182 80 AC82
Improved performance of peach tree clone freed from ring spot [virus] by thermotherapy. Study of recontamination in the orchard. (Fre) Bernhard, R; Saunier, R; Marenaud, C *Acta Hortic* 44: 69-79. Eng. Sum. Feb 1975

80 AC82
Increased susceptibility of Easter lilies to Pythium root rot as a result of infection by necrotic fleck virus complex. Raabe, R D *Acta Hortic* 47: 91-97. Ref. June 1975

028183 80 AC82
Influence of temperature regime on virus diseases in cucumber. Dorst, H J M van *Acta Hortic* 51: 329-332. Aug 1975

028184 80 AC82
IXth International Symposium on Fruit Tree Virus Diseases, East Malling Research Station, Kent, 8-14 July 1973. International Symposium on Fruit Tree Virus Diseases, 9th,; Kent, 1973 *Acta Hortic* 44, 267 P. Feb 1975

028185 80 AC82
Localisation of cherry leaf roll virus in Prunus avium x Prunus pseudocerasus rootstocks. Cropley, R; Giunchedi, L; Cameron, H R *Acta Hortic* 44: 39-41. Feb 1975

028186 80 AC82
Meristem culture for the production of virus-free Prunus. (Fre) Boxus, P *Acta Hortic* 44: 43-46. Eng. Sum. Feb 1975

028187 80 AC82
New evidences of the high sensitivity of Malus dawsoniana to apple proliferation [virus] disease and of its value for testing apple trees. (Fre) Morvan, G; Castelain, C *Acta Hortic* 44: 171-182. Ref. Eng. Sum. Feb 1975

028188 80 AC82
Pear decline like symptoms observed in France [Virus diseases]. (Fre) Lemoine, J *Acta Hortic* 44: 131-138. Eng. Sum. Feb 1975

028189 80 AC82
Plant species outside the genus Malus as indicators for latent viruses of apple. Meer, F A van der *Acta Hortic* 44: 213-220. Ref. Feb 1975

028190 80 AC82
Possible relationships among pome fruit viruses detected in graft transmission trials. Refatti, E; Osler, R *Acta Hortic* 44: 201-208. Ref. Feb 1975

028191 80 AC82
Preliminary identification of the viruses producing Spanishapricot pseudopox (viruela) and apricot mosaic diseases. Pena-Iglesias, A; Ayuso Gonzalez, P *Acta Hortic* 44: 255-265. Ref. Feb 1975

028192 80 AC82
Prolonged observations on spread and behaviour of proliferation [virus] disease in apple orchards. Schmid, G *Acta Hortic* 44: 183-191. Feb 1975

028193 80 AC82
Protection with some strains of sarka [plum pox] virus. Sutic, D *Acta Hortic* 44: 165-169. Feb 1975

028194 80 AC82
Results and application of a survey of virus infection in Narcissus stocks in Scotland. Mowat, W P; Chambers, J *Acta Hortic* 47: 55-61. June 1975

028195 80 AC82
Serodiagnosis of plum pox virus. Casper, R *Acta Hortic* 44: 171-172. Feb 1975

028196 80 AC82
Spread and control of Prunus stem pitting [Peaches, tomato ringspot virus, transmitted by Xiphinema americanum]. Stouffer, R F; Soulen, D M; Smith, S H *Acta Hortic* 44: 107-112. Ref. Feb 1975

028197 80 AC82
Stem witches' broom of fruits and forest trees [Virus diseases]. Atanasoff, D *Acta Hortic* 44: 251-253. Feb 1975

028198 80 AC82
Study of sharka [plum pox virus] spread pattern in some plum orchards. Jordovic, M M *Acta Hortic* 44: 147-154. Ref. Feb 1975

028199 80 AC82
Susceptibility of plum varieties to plum pox disease. Trifonov, D *Acta Hortic* 44: 163. Feb 1975

028200 80 AC82
Symptoms of star crack virus on the fruit and shoot growth of apple cultivars. Campbell, A I; Hughes, L F *Acta Hortic* 44: 245-250. Feb 1975

028201 80 AC82
Tetracycline therapy of pear decline and X-disease in peachand cherry [Virus diseases]. Nyland, G *Acta Hortic* 44: 17. Feb 1975

028202 80 AC82
The effect of benomyl on the symptoms of apple proliferation [Virus disease]. Kunze, L; Schmidle, A *Acta Hortic* 44: 23-27. Feb 1975

028203 80 AC82
The influence of oxytetracycline on the appearance of apple proliferation symptoms [Virus diseases]. Zawadzka, B; Kaminska, M *Acta Hortic* 44: 19-22. Ref. Feb 1975

028204 80 AC82
The production, propagation and distribution of virus-free clones of Narcissus tazetta cv. "Grand Soleil d'Or" [Varieties]. Stone, O M; Brunt, A A; Hollings, M *Acta Hortic* 47: 77-81. June 1975

028205 80 AC82
Transmissible and non transmissible fruit deformation of quince [caused by virus]. Fleisher, Z; Pappo, S; Arnstein, Z *Acta Hortic* 44: 123-130. Feb 1975

028206 80 AC82
Unilateral cross protection among some NEPO viruses [Tobacco, Petunia hybrida]. Fulton, R W *Acta Hortic* 44: 29-32. Feb 1975

028207 80 AC82
Vegetative disorders in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) [Apricot chlorotic leaf roll virus]. Sanchez-Capuchino, J A; Forner, J B *Acta Hortic* 44: 93-97. Feb 1975

028208 80 AC82
Viruses and meristem culture of Nerine. Hakkaart, F A; Maat, D Z; Quak, F *Acta Hortic* 47: 51-53. June 1975

028209 80 AC82
Viruses and virus diseases of irises in Britain. Brunt, A A *Acta Hortic* 47: 45-50. Ref. June 1975

028210 80 AC82
Viruses causing apple topworking disease (Taka tsugi byo) in Japan. Yanase, H; Sawamura, K; Mink, G I; Yamaguchi, A *Acta Hortic* 44: 221-229. Feb 1975

028211 80 AC82
Viruses of lilies and their control. Allen, T C *Acta Hortic* 47: 69-75. Ref. June 1975

028212 451 SO16
Cytoplasmic inclusions in yellowing parsley leaves [presumably due to a virus infection]. Mlodzianowski, F *Acta Soc Bot Pol* 44 (3): 449-450. 1975

028213 107.6 SA13
Two isolates of watermelon mosaic virus isolated from pumpkin leaves. (Jpn) Sako, N; Nomura, M; Nonaka, F *Agric Bull Saga Univ* 39: 1-10. Ref. Eng. Sum. Aug 1975

028214 22.5 N682
Occurrence and integrated control of dwarf virus disease in rice. (Jpn) Kobayashi, K *Agric Hortic* 50 (6): 755-760. June 1975

028215 385 AG86
A new Dow treatment is efficient in the control of hops arabis mosaic virus. (Fre) *Agroservice* 5: 75-76. Sept/Oct 1975

028216 390.9 AM33
A comparison between healthy and leafroll-affected grapevine planting stocks. Lider, L A; Goheen, A C; Ferrari, N L *Am J Enol Vitic* 26 (3): 144-147. 1975

028217 442.8 AN72
Partial purification and serological relationship of three strains of bean yellow mosaic virus [Kidney beans, peas]. Granett, A L; Provvidenti, R *Ann Appl Biol* 81 (3): 413-415. Ref. Dec 1975

028218 442.8 AN72
Strain changes in populations of tobacco mosaic virus from tomato crops. fletcher, J T; Butler, D *Ann Appl Biol* 81 (3): 409-412. Dec 1975

442.8 AN72
The response of various breeding lines of lettuce to beet western yellows virus. Watts, L E *Ann Appl Biol* 81 (3): 393-397. Dec 1975

028219 442.8 AN72
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. Cockbain, A J; Cook, S M; Bowen, R *Ann Appl Biol* 81 (3): 331-339. Ref. Dec 1975

028220 464.9 P562
Studies on the cucumber mosaic virus in tobacco. (Jpn) Tomaru, K; Vijayasarathy, C *Ann Phytopathol Soc Jap* 41 (3): 233-235. July 1975

028221 464.8 AR2
Serological identification of cucumber mosaic virus by means of simplified precipitation tests (Short communication). (Ger) Richter, J; Polak, J *Arch Phytopathol Pflanzenschutz* 11 (4): 297-300. 1975

028222 464.8 AR2
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. (Ger) Schuster, G *Arch Phytopathol Pflanzenschutz* 11 (4): 255-262. Ref. Eng. Sum. 1975

028223 QH301.B55
Inhibitors of viral infection in sap from pea, broadbean and lucerne plants. (Slo) Blaskovicova, H *Biologia, Ser C Vesobecna Biol* 30 (9): 715-722. Ref. Eng. Sum. 1975

028224 107.6 T5762
Studies on mycoplasma-like organisms: the suspected cause of citrus likubin and leaf-mottling. (Jpn) Tanaka, S; Doi, Y *Bull Fac Agric Tamagawa Univ* 14: 64-70. Ref. Eng. Sum. 1974

028225 505 P21 (3)
Cytology of carnation streak virus infection [isolated from Silene armeria]. (Fre) Cadilhac, B; Poupet, A; Cardin, L; Marais, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 639-642. Eng. Sum. Sept 8, 1975

028226 505 P21 (3)
Presence of helicoid shaped elements in the phloem of Vincarosea with Stolbur [Mycoplasma] disease. (Fre) Cadilhac, B; Giannotti, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 539-542. Ref. Eng. Sum. Sept 1, 1975

028227 421 C16
Defense in two pre-social membracids [Tree insects, biological control] (Homoptera: Membracidae) [Platycotis vittata, Umbonia crassicornis]. Wood, T K *Can Entomol* 107 (11): 1227-1231. Ref. Nov 1975

028228 470 C16E
Piperonyl butoxide, a potent inhibitor of potato spindle tuber viroid in Scopolia sinensis. Singh, R P; Michniewicz, J J; Narang, S A *Can J Biochem* 53 (10): 1130-1132. Oct 1975

028229 470 C16C
Host range and properties of tobacco stunt virus. Hiruki, C *Can J Bot* 53 (21): 2425-2434. Ref. Nov 1, 1975

028230 450 C16
Effects of early and late infectious of BYDV (barley yellow dwarf virus) on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. (Fre) Comeau, A; St-Pierre, C A *Can J Plant Sci* 55 (4): 919-925. Ref. Eng. Sum. Oct 1975

028231 450 C16
Influence of sowing dates, soil amendments, and cultivars on wheat spindle streak mosaic in winter wheat. Gates, L F *Can J Plant Sci* 55 (4): 891-895. Oct 1975

028232 464.9 C16S
Virus infection of potato seed stocks [by Myzus persicae] in Ontario under commercial insect-control practices. Rowberry, R G; Johnston, G R *Can Plant Dis Surv* 55 (1): 15-18. 1975

028233 475 SCI23
Sonchus [oleraceus] yellow vein virus, a new virus disease of sowthistle. Reddy, H R; Janardhan, A *Curr Sci* 44 (16): 596-597. Aug 20, 1975

028234 S16.G9G4
Transmission by grafting of a disease of peach in Greece resembling that of chlorotic leaf roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. (Gre) Syrgiannid, G D *Geoponika* (Ser. 3) 21 (225): 217-222. Eng. Sum. July/Aug 1975

028235 26 H27
Virus concentrations and chlorophyll levels in celery plants affected by cucumber mosaic virus and alfalfa mosaic virus, after treatment with gibberellin. (Heb) Marco, S *Hassadeh* 56 (1): 51-53. Eng. Sum. Oct 1975

028236 QR1.I53 1974
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae [fungus vector] and transmission by sap inoculation. Hidaka, S; Tagawa, H; Hidaka, Z *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 287-296. 1974 (Pub. 1975)

QR1.I53 1974
Beet necrotic yellow vein virus and its relation to the fungus, Polymyxa betae. Tamada, T; Abe, H; Baba, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 313-320. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Biochemical and biological aspects of fungal viruses. Lemke, P A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 380-395. 1974 (Pub. 1975)

028237 QR1.I53 1974
Effect of a new antiviral substance produced by Streptomyces rameus on plant virus infection, its foliar absorption andproperties [Tobacco]. Hidaka, Z; Maeda, T; Tatano, T; Matsubara, I *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 610-619. 1974 (Pub. 1975)

QR1.I53 1974
Electron microscopic study of several fungal viruses. Yamashita, S; Doi, Y; Yora, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 340-350. Ref. 1974 (Pub. 1975)

028238 QR1.I53 1974
Electron microscopy of virus-infected cultivated mushroom and of an ascomycete fungus. Dieleman-van Zaayen, A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 351-358. Ref. 1974 (Pub. 1975)

028239 QR1.I53 1974
Isolation and characterization of viruses from fungi. Wood, H A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 362-379. Ref. 1974 (Pub. 1975)

028240 QR1.I53 1974
Model system for the adsorption of tobacco mosaic virus. Kiho, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 65-68. 1974 (Pub. 1975)

028241 QR1.I53 1974
Penetration of plant viruses into isolated tobacco leaf protoplasts. Takebe, I; Otsuki, Y; Honda, Y; Matsui, C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 55-64. Ref. 1974 (Pub. 1975)

028242 QR1.I53 1974
Photodynamic inactivation of virion-associated RNA transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on infected plants. Suzuki, N; Nakata, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.3): 437-440. 1974 (Pub. 1975)

QR1.I53 1974
Potato mop-top virus and its vector, [the powdery scab fungus] Spongospora subterranea. Harrison, B D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 303-312. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Some recent advances in the study of fungal viruses. Hollings, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 323-339. Ref. 1974 (Pub. 1975)

028243 QR1.I53 1974
Studies on the infection with cowpea mosaic virus. Kammen, A van *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 93-100. Ref. 1974 (Pub. 1975)

028244 QR1.I53 1974
Studies on virus like particles in Lentinus edodes [Mushrooms]. Mori, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 396-401. 1974 (Pub. 1975)

028245 QR1.I53 1974
The entry and spreading of cucumber mosaic virus [Cowpeas]. Ehara, Y; Misawa, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 101-111. Ref. 1974 (Pub. 1975)

028246 QR1.I53 1974
The in vitro synthesis of viral protein and its regulation [Brome mosaic virus]. Shih, D S; Davies, J W; Kaesberg, P *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 83-92. 1974 (Pub. 1975)

QR1.I53 1974
The nature of the infectious agent of tobacco stunt [virus] in relation to its [fungus] vector, Olpidium brassicae. Hiruki, C; Alderson, P G; Kobayashi, N; Furusawa, I *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 297-302. 1974 (Pub. 1975)

QR1.I53 1974
Transmission of tobacco necrosis virus by Olpidium brassicae. Teakle, D S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 285-286. 1974 (Pub. 1975)

028247 QR1.I53 1974
Turnip yellow mosaic virus-RNA replication in Chinese cabbage. Bove, J M; Astier, T; Barreau, C; Bove, C; Dupont, G; Falhun, J; Garnier, M; Latrille, J; Et Al *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 69-82. Ref. 1974 (Pub. 1975)

028248 QR1.I53 1974
Virus like particles in fungi. Lapierre, H D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 359-361. 1974 (Pub. 1975)

028249 QR1.I53 1974
Virus-like particles in shiitake mushroom, Lentinus edodes (Berk.) Sing. Ushiyama, R *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 402-406. 1974 (Pub. 1975)

028250 80 IN2
Role of the tristeza virus in citrus die-back complex. Capoor, S P *Indian J Hortic* 32 (1/2): 1-6. Ref. Mar/June 1975

028251 80 IN2
Studies on the [Canna] mottle [virus] disease of Canna indica L. Gupta, M D; Raychaudhuri, S P *Indian J Hortic* 32 (1/2): 106-109. Ref. Mar/June 1975

421 J826
Pathogenicity of the corn stunt agent to an insect vector, Dalbulus elimatus. Granados, R R; Meehan, D J *J Invertebr Pathol* 26 (3): 313-320. Ref. Nov 1975

028252 QH573.J62
Light and electron microscopy of broadbean wilt virus intracellular inclusions. Russo, M; Martelli, G P *J Submicrosc Cytol* 7 (3): 335-347. Ref. Dec 1975

028253 421 M33
International Congress on Mycoplasmas (11-17 September 1974, Bordeaux, France), abstracts of the communications on 'plant mycoplasma diseases'. International Congress on Mycoplasmas, Bordeaux, 1974 *Marcellia* 38 (4): 331-342. Oct 1975

028254 464.8 P562
Inclusions in mesophyll cells induced by a virus causing chlorotic streaks on leaves of Allium porrum L. [Leeks]. Horvat, F; Verhoyen, M *Phytopathol Z* 83 (4): 328-340. Ref. Aug 1975

028255 464.8 P562
Investigation of alfalfa mosaic virus transmission through alfalfa seed. Tosic, M; Pesic, Z *Phytopathol Z* 83 (4): 320-327. Ref. Aug 1975

028256 464.8 P562
Potato A-virus diagnosis by serological methods. Gnutova, R V; Krylov, A V *Phytopathol Z* 83 (4): 311-319. Ref. Aug 1975

028257 464.8 P562
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. Paul, H L *Phytopathol Z* 83 (4): 303-310. Aug 1975

028258 464.8 P562
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with tobacco mosaic virus. Suwa, M; Takahashi, T *Phytopathol Z* 83 (4): 348-359. Aug 1975

028259 464.8 P56
An unusual new virus, possibly of the potyvirus group, from pepper in Nigeria. Lana, A O; Gilmer, R M; Wilson, G F; Shoyinka, S A *Phytopathology* 65 (12): 1329-1332. Dec 1975

028260 464.8 P56
Effect of a non-localized infection by southern bean mosaic virus on a cell wall glycoprotein from bean leaves. Kimmins, W C; Brown, R G *Phytopathology* 65 (12): 1350-1351. Dec 1975

028261 464.8 P56
Lack of potato virus S transmission via true seed in Solanum tuberosum. Goth, R W; Webb, R E *Phytopathology* 65 (12): 1347-1349. Ref. Dec 1975

028262 464.8 P56
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. Faulkner, G; Kimmins, W C *Phytopathology* 65 (12): 1396-1400. Ref Dec 1975

028263 464.8 P56
The nature of [kidney] bean yield reduction by bean yellow and bean common mosaic viruses. Hampton, R O *Phytopathology* 65 (12): 1342-1346. Ref. Dec 1975

1.9 P69P
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. Yang, S L; Zettler, F W; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 902-905. Ref. Nov 1975

028264 1.9 P69P
Effects of beet western yellows virus on crambe in the greenhouse. Duffus, J E; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 886-888. Ref. Nov 1975

028265 1.9 P69P
Occurrence an incidence of cucumber mosaic virus and alfalfa mosaic virus on celery in Israel. Marco, S; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 915-917. Nov 1975

028266 1.9 P69P
Pea enation mosaic virus resistance among commercial breeding lines of Pisum sativum. Hagedorn, D J; Hampton, R O; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 895-899. Nov 1975

028267 1.9 P69P
Rapid indexing procedures for detecting yellow speckle disease in grapevines [Virus diseases]. Mink, G I; Parsons, J L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 869-872. Nov 1975

028268 1.9 P69P
Resistance in Glycine max [soybean] to isolates of bean yellow mosaic virus in New York State. Provvidenti, R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 917-919. Nov 1975

028269 1.9 P69P
Some leguminous hosts for potato virus X [Gomphrena globosa]. Fribourg, C; Zoeten, G A de; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 923-925. Nov 1975

028270 1.9 P69P
Wheat spindle streak mosaic virus in Kentucky. Williams, A S; Plrone, T P; Slykhuis, J T; Tutt, C R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 888-889. Nov 1975

S293.C6N31
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. (Tha) Ruayaree, S; Inoue, H; Hengsawad, C; Patirupanusara, P *Proc Natl Conf Agric Biol Sci* 13: 144-150. 1974

028271 S293.C6N31
Mosaic [virus] and little leaf of chili pepper. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 111-113. Ref. 1974

028272 86 N11
Variability of tobacco mosaic virus in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and cross protection. Rast, T B *Publ Proefstn Groenten Fruitteelt Onder Glas* 192, 76 P. 1975

028273 107.6 H68
Studies on strawberry virus diseases [transmitted by Chaetosiphon minor]: degeneration of strawberry in Hokkaido. (Jpn) Goto, T; Nemoto, M *Res Bull Hokkaido Natl Agric Exp Stn* 109: 97-105. Ref. Eng. Sum. Dec 1974

028274 107.6 H68
Studies on [aster] yellows disease of parsley and celery [Scleroracus flavopicta, mycoplasma-like organisms]. (Jpn) Nemoto, M; Goto, T; Yoshida, K *Res Bull Hokkaido Natl Agric Exp Stn* 109: 107-113. Ref. Eng. Sum. Dec 1974

028275 13 R322
Identification of virus in ornamental Prunus in Belgium. (Fre) Colin, J; Verhoyen, M *Rev Agric (Brux)* 28 (4): 935-951. Ref. July/Aug 1975

028276 QD415.A1R4
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). Alexandrescu, V; Hagima, I; Popov, D; Jilaveanu, A *Rev Roum Biochim* 12 (4): 209-212. Ref. 1975

028277 100 P381S
Virus diseases detected in mushroom production. Smith, S H; Moyer, J W; Wuest, P J; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 12. Fall 1975

9.3 SI4
New improved kidney bean varieties for internal comsumption and export [Breeding for mosaic resistance, Chile]. (Spa) Cafati K, C; Alvarez A, M *Simiente* 45 (1): 33-36. Jan/Mar 1975

028278 69.8 T112
The efficiency of chemical protection of tobacco from tomato spotted wilt. (Rus) B'iadovskii, G S *Tabak* 3: 55-57. 1975

028279 448.8 V81
Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. Dickson, E; Prensky, W; Robertson, H D *Virology* 68 (2): 309-316. Ref. Dec 1975

028280 448.8 V81
Prunus necrotic ringspot virus as a multicomponent system. Loesch, L S; Fulton, R W *Virology* 68 (1): 71-78. Ref. Nov 1975

028281 448.8 V81
Rapid high-resolution immune electron microscopy of plant viruses. Milne, R G; Luisoni, E *Virology* 68 (1): 270-274. Ref. Nov 1975

028282 448.8 V81
Reconstitution of potato virus X in vitro. I. Properties of the dissociated protein structural subunits. Goodman, R M *Virology* 68 (2): 287-298. Ref. Dec 1975

028283 448.8 V81
Reconstitution of potato virus X in vitro. II. Characterization of the reconstituted product. Goodman, R M; Horne, R W; Hobart, J M *Virology* 68 (12): 299-308. Ref. Dec 1975

028284 448.8 V81
The maize rough dwarf virion. I. Protein composition and distribution of RNA in different viral fractions. Boccardo, G; Milne, R G *Virology* 68 (1): 79-85. Ref. Nov 1975

028285 448.8 V81
The maize rough dwarf virion. II. Seroligical analysis. Luisoni, E; Milne, R G; Boccardo, G *Virology* 68 (1): 86-96. Ref. Nov 1975

028286 448.8 V81
Translation of alfalfa mosaic virus RNA's in mammalian cell-free systems. Mohier, E; Hirth, l; Le Meur, M A; Gerlinger, P *Virology* 68 (2): 349-359. Ref. Dec 1975

028287 421 Z1
Leaf spot of black currants [Virus diseases, vectors]. (Rus) Gladkikh, V I; Kalinichenko, A N *Zashch Rast* 2: 49-50. Feb 1975

028288 421 Z1
Potato culture on a virus free basis. (Rus) Igontov, V G *Zashch Rast* 5: 24-25. May 1975

028289 421 Z1
Virus yellows control accessible to every farm [Sugarbeets]. (Rus) Khel'man, L V *Zashch Rast* 6: 19. June 1975

028290 448.3 C33 (3)
Examinations concerning the range of host plants of the plum pox virus (PPV). (Ger) Kroll, J *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 219-225. Ref. Eng. Sum. 1975

028291 448.3 C33 (3)
Experiments to verify the plum pox virus (PPV) by communicating it on Chenopodium foetidum Schrad. (Ger) Kroll, J *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 226-231. Eng. Sum. 1975

028292 448.3 C33 (3)
First proof of broadbean wilt virus in the People's Republic of Poland. (Ger) Schmelzer, K *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 232-233. Ref. Eng. Sum. 1975

028293 448.3 C33 (3)
Systemic infestation by cucumber mosaic virus on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. (Ger) Schmelzer, K; Schmidt, H E *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 234-237. Eng. Sum. 1975

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

028294 SB605.A8A9
"Popperdrop" [stud-blotch, plant disease]. Chilvers, G A; Burdon, J J; Porter, D L *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 31-32. Sept 1975

028295 SB605.A8A9
The genetic basis of plant disease epidemics. Plank, J E van der *A P P S Newsl Aust Plant Pathol Soc* 4 (3): 27-30. Sept 1975

028296 80 AC82
A quick method for determining the cause and nature of cituns 'windfall' [attributed to fruit-piercing moths or windstorms] in Sierra Leone. Godfrey-Sam-Aggrey, W; Jah, A M S *Acta Hortic* 49: 295-298. July 1975

028297 80 AC82
Antagonism between calcium and other elements in the apple fruit [the primary cause of bitter pit development]. Bangerth, F *Acta Hortic* 45: 49-52. Nov 1974

028298 80 AC82
Chemical control of diseases on lilies. Boontjes, J *Acta Hortic* 47: 137-142. Ref. June 1975

028299 80 AC82
CO2 [carbon dioxide] nutrition of spring cucumbers in the Netherlands [Leaf injury]. Berkel, N van; Uffelen, J A M van *Acta Hortic* 51: 213-224. Ref. Aug 1975

028300 80 AC82
Diseases and pests of passion fruit in Kenya. Ondieki, J J *Acta Hortic* 49: 291-293. July 1975

028301 80 AC82
Ethylene disorders in bulbous crops [Tulipa] during storageand glasshouse cultivation. Munk, W J de *Acta Hortic* 51: 321-328. Ref. Aug 1975

028302 80 AC82
Flower-bud blasting in tulips [due to storage and greenhouse conditions]. Munk, W J de; Hoogeterp, P *Acta Hortic* 47: 149-155. June 1975

028303 80 AC82
Fruit analysis for prediction of bitter pit [in apples]. Pouwer, A *Acta Hortic* 45: 39-42. Nov 1974

028304 80 AC82
Influence of nutrition on bitter pit in apples. Boon, J van der *Acta Hortic* 45: 9-16. Nov 1974

028305 80 AC82
Investigations on the etiology of cherry decline in the German Democratic Republic and the Moldavian Socialist Soviet Republic [Virus diseases]. Kegler, H; Verderevskaja, T D; Kleinhempel, H; Muller, H M *Acta Hortic* 44: 47-54. Feb 1975

028306 80 AC82
Leaf analysis for prediction of bitter pig [in apples]. Pouwer, A *Acta Hortic* 45: 33-37. Nov 1974

028307 80 AC82
Second discussion meeting on bitter pit [disease] in apples Bonn, May 15 to 17, 1974. *Acta Hortic* 45, 75 P. Ref. Nov 1974

028308 80 AC82
Soil cultivation and water supply in relation to bitter pit [in apples, excessive potassium, calcium deficiency]. O'Daniel, W; Leendertz, B *Acta Hortic* 45: 17-20. Nov 1974

028309 80 AC82
Some horticultural aspects of plant quarantine. Kachecheba, J L *Acta Hortic* 49: 303-306. July 1975

80 AC82
Spread and control of Prunus stem pitting [Peaches, tomato ringspot virus, transmitted by Xiphinema americanum]. Stouffer, R F; Soulen, D M; Smith, S H *Acta Hortic* 44: 107-112. Ref. Feb 1975

028310 80 AC82
The application of plant pathological techniques in plant quarantine pathology [Soybeans, asparagus, sugarcane]. Braverman, S W *Acta Hortic* 49: 299-301. July 1975

028311 80 AC82
The effect of prewarming, presoaking and hot water treatment on the growth of Narcissus and control of stem eelworm (Ditylenchus dipsaci (Kuhn) Filipjev). Tompsett, A A *Acta Hortic* 47: 165-170. Ref. June 1975

80 AC82
The effects of irrigation frequency and cultivars on premature cracking and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. Abdel-Al, Z E *Acta Hortic* 49: 185-192. July 1975

028312 80 AC82
The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and fruit thinning [affect bitter pit development]. Sharples, R O *Acta Hortic* 45: 21-27. Nov 1974

028313 80 AC82
Winter blindness of Gladiolus: interaction of light and temperature. Shillo, R; Halevy, A H *Acta Hortic* 47: 277-285. June 1975

028314 S405.A34
Plant pathogenesis. Wheeler, H *Adv Ser Agric Sci* 2, 106 P. 1975

S65.K4
Use a [disease] resistant tobacco variety. Massie, I E; Smiley, J H; Everette, G A; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 42, 3 P. June 1975

028315 1 AG84AH
Sorghum diseases in the United States and their control. Edmunds, L K; Zummo, N; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 468, 47 P. Ref. Aug 1975

028316 22.5 N682
Photosynthetic reduction of nitrite gas injury to vegetables [Cucumbers, kidney beans]. (Jpn) Inden, T *Agric Hortic* 50 (6): 788-790. June 1975

028317 22.5 N682
Techniques and problems in the storage of Satsuma orange. 4. Effect of temperature on its physiological deterioration and susceptibility to diseases. (Jpn) Ogaki, C; Ushiyama, K *Agric Hortic* 50 (6): 748-754. June 1975

028318 1 AG84AB
Your tree's trouble may be you [Injuries]. U.S. Dept. of Agriculture *Agric Inf Bull U S Dep Agric* 372, 21 P. Sept 1974

028319 4 AM34P
Soybean response to stand reduction and defoliation [Hail damage, plant recovery]. Teigen, J B; Vorst, J J *Agron J* 67 (6): 813-816. Ref. Nov/Dec 1975

028320 SB13.L32
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol oxidase enzyme extracts from citrus leaves [Lemon disease]. Van Lelyveld, L J; Broderick, H T; Esterhuizen, E W *Agroplantae* 7 (3): 75-77. Ref. Sept 1975

028321 Z5996.F8A4
Protected fruit growing. 2. Hail and hail protection [Bibliographies]. (Ger) Debor, H W *Aktuel Litinf Obstbau Berlin Tech Univ Bibl* 39, 18 P. 1975

028322 97.31 AM32
Bud drop and bullnosing in Camellias. Blumenthal, C *Am Camel Yearb* P. 23-26. 1975

028323 97.31 AM32
Camellia diseases in Florida. Miller, H N; Mullin, R S *Am Camel Yearb* P. 28-48. 1975

028324 97.31 AM32
Lichen growth on Camellias [as indicator of their poor condition]. Smith, G *Am Camel Yearb* P. 7-8. 1975

028325 80 AM329
Plant quarantine—friend or foe? Planer, F; Lee, E *Am Orchid Soc Bull* 45 (1): 34-38. Jan 1976

028326 450 AN4
Enzyme reaction as indicator of pollution effects on lichens. (Ger) Schmid, M L; Kreeb, K *Angew Bot* 49 (3/4): 141-154. Ref. Eng. Sum. Nov 1975

028327 442.8 AN72
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and organophosphate nematicides. Moss, S R; Crump, D; Whitehead, A G *Ann Appl Biol* 81 (3): 359-365. Dec 1975

442.8 AN72
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. Cook, R *Ann Appl Biol* 81 (3): 349-357. Ref. Dec 1975

028328 442.8 AN72
Proceedings of the Federation of British Plant Pathologists, January 1974: Breakdown of control against pathogens of plants and animals [Abstracts of papers]. Federation of British Plant Pathologists *Ann Appl Biol* 81 (3): 437-444. Ref. Dec 1975

028329 442.8 AN72
The fumigation of seeds with methyl bromide. Powell, D F *Ann Appl Biol* 81 (3): 425-431. Dec 1975

028330 450 AN79
Effect of air pollution by copper, sulphuric acid and fertilizer factories on plants at Harjavalta, West. Finland. Laaksovirta, K; Silvola, J *Ann Bot Fenn* 67 (2): 81-88. Map. Ref. 1975

028331 464.8 AR2
Julius Kuhn, im memory of the founder of modern phytopathology. (Ger) Spaar, D *Arch Phytopathol Pflanzenschutz* 11 (4): 248-253. 1975

028332 100 AR42F
Susceptibility of sweetpotato lines to development of hardcore, a chilling disorder [Physiological diseases]. Buescher, R W; Sistrunk, W A; Bowers, J L; Boettinger, C F; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 2. Nov/Dec 1975

028333 23 AU783
Response of two soya bean cultivars to manganese toxicity as affected by pH [hydrogenion concentration] and calcium levels. Heenan, D P; Carter, O G *Aust J Agric Res* 26 (6): 967-974. Ref. Nov 1975

028334 57.9 AR1
Development of liquid manure flora and its causes in the formation of plant species (use of root test to determine injuries from liquid manure) [Forage plants]. (Ger) Kutschera-Mitter, L *Ber Arbeitstag Fragen Gulle* P. 46-69. 1974

028335 442.8 B523
Biochemical and physiological causes of resistance of plants against pathogens. (Ger) Wolffgang, H; Fritzsche, R *Biol Zentralbl* 94 (3): 423-429. Ref. Eng. Sum. July/Aug 1975

028336 275.29 G29B
Control rodents around poultry. Why bother to control rodents? [Feed]. Carlton, R L; Georgia University Cooperative Extension Service *Bull Coop Ext Serv Univ Ga Coll Agric* 765, 13 P. July 1975

028337 RA1270.P35A1
Mirex and marine unicellular algae: accumulation, population growth and oxygen evolution. Hollister, T A; Walsh, G E; Forester, J *Bull Environ Contam Toxicol* 14 (6): 753-759. Dec 1975

028338 RA1270.P35A1
Relative phytotoxicity of some picloram [herbicide] derivatives [Sunflowers]. Grover, R; Gear, J R; Zerr, R *Bull Environ Contam Toxicol* 14 (6): 721-725. Dec 1975

SB278.J3I9
The development of the multiple disease resistant flue cured tobacco variety, F 209 [Breeding]. (Jpn) Murai, T; Yamada, T; Ohashi, Y; Shimizu, Y *Bull Iwata Tob Exp Stn* 7: 1-17. Ref. Eng. Sum. Mar 1975

028339 100 P381
Heating soils, soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. Aldrich, R A; Schroeder, M E; Keppeler, R A; Diener, G H; Pennsylvania Agricultural Experiment Station *Bull Pa Agric Exp Stn* 800, 37 P. Ref. Mar 1975

028340 100 W27E
A regional analysis of injury to deciduous fruit trees by the freeze of December, 1972. Bates, E; Horn, A; Stebbins, R; Burkhart, D; Thienes, J; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 813, 11 P. Maps. July 1975

028341 505 P21 (3)
The cytotoxic action of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on roots of Triticum durum Desf. [Wheat]. (Fre) Miayoukou, J F; Albertini, L *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 779-781. Eng. Sum. Sept 22, 1975

028342 68.38 C114
Why the cacao yield is low in the south of Bahia [Plant diseases]. (Por) Pereira, C P *Cacau Atual* 12 (1): 6-8. Jan/Mar 1975

028343 443.8 C16
Linkage and allelic relationships among genes for resistance in tomato (Lycopersicon esculentum) against Meloidogyne incognita [nematode]. Sidhu, G S; Webster, J M *Can J Genet Cytol* 17 (3): 323-328. Ref. Sept 1975

028344 448.8 C162
Effects of zinc-smelter emissions on forest soil microflora. Jordan, M J; Lechevalier, M P *Can J Microbiol* 21 (11): 1855-1865. Ref. Nov 1975

028345 450 C16
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and tomato production in a sandy loam greenhouse soil. Johnson, P W *Can J Plant Sci* 55 (4): 1017-1021. Oct 1975

028346 450 C16
Frequency of occurrence of winter injury to forage legume, winter cereal and strawberry plants in Prince Edward Island, 1901-1975. Suzuki, M; Black, W N; Cutcliffe, J A; Sterling, J D E *Can J Plant Sci* 55 (4): 1085-1088. Oct 1975

028347 464.9 C16S
A new record of stem and bulb nematode [Ditylenchus dipsaci] in Ontario [Onions]. Fushtey, S G; Kelly, C B *Can Plant Dis Surv* 55 (1): 27-28. 1975

028348 464.9 C16S
Diseases of flue-cured tobacco in Ontario and estimates of disease losses, 1972-73. Gayed, S K; Watson, M C *Can Plant Dis Surv* 55 (1): 31-35. 1975

028349 275.29 N811
Diseases of vegetable crops in home gardens. Duncan, H E; Averre, C W; North Carolina State University Agricultural Extension Service *Circ N C State Univ Agric Ext Serv* 598, 20 P. July 1975

028350 S590.C63
Nutrient status of wheat crop in Ludhiana [Zinc and copperdeficiencies]. Sekhon, G S; Arora, C L; Soni, S K *Commun Soil Sci Plant Anal* 6 (6) P. 609-618. 1975

028351 SB415.C625
Benomyl and large nematodes [on Geranium]. Koths, J S; Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 10-11. Sept 1975

028352 SB415.C625
Overwintering structures in Connecticut for nursery stock. I. The plant response [Cold injuries]. Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 14-19. Sept 1975

028353 SB251.I5C6
Plant protection is a must to harvest bumper crop of cotton. Patil, M S; Mathapati, S N *Cotton Dev* 4 (3): 30-32. Oct 1974

028354 475 SCI23
Die-back in citrus and its relationship to certain characters. Gurang, G K; Sharma, B B; Balakrishnan, K A *Curr Sci* 44 (23): 865-866. Dec 5, 1975

028355 58.8 T677
Free yourself from pests by making calculations for maize. (Ger) Konig, K *DLZ (Die Landtech Z)* 26 (3): 151-152. Mar 1975

028356 511 P444AE
The effect of 2,4-D on the permeability of plant tissues [Beans]. Artamonov, V I *Dokl Bot Sci* 220/222: 9-12. Ref. Jan/June 1975

028357 TD1.E2
Toxicity of zinc to the green alga Selenastrum capricornutum as a function of phosphorus or ionic strength. Greene, J C; Miller, W E; Shiroyama, T; Merwin, E *Ecol Res Ser* 660/3-75-034: 28-43. Ref. June 1975

028358 QL461.E554
Control of field rats. Kundu, G G; Sharma, J K *Entomol Newsl* 5 (4): 26. Apr 1975

028359 QH540.E55
Environmental impact of Lethal Yellowing disease of coconut palms. Fisher, J B *Environ Conserv* 2 (4): 299-304. Maps. Ref. Winter 1975

TD172.E52
Lead in soil and vegetation along a New Zealand state highway with low traffic volume. Ward, N I; Reeves, R D; Brooks, R R *Environ Pollut* 9 (4): 243-251. Map. Ref. Dec 1975

028360 TD172.E52
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a sewage sludge contaminated with zinc, copperand chromium. Bolton, J *Environ Pollut* 9 (4): 295-304. Ref. Dec 1975

028361 SD1.E8
The influence of hot mix asphalt plants on vegetation with special regard to vapors from asphaltic bitumen. (Ger) Kronberger, W; Halbwachs, G *Eur J For Pathol* 5 (5): 267-274. Ref. Eng. Sum. Oct 1975

028362 S15.E9
The pests and diseases of the rose bush [Rosa]. (Spa) Salmeron de Diego, J *Explot Agrar* 11: 12-14. Mar 1975

028363 1 AG84F
Controlling tomato diseases. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2200, Rev., 12 P. Sept 1975

028364 57.8 F4123
Nutritional physiology of zinc and symptoms of its deficiency in some field crops. Safaya, N M; Shukla, U C; Khanna, S S *Fert News* 20 (8): 31-35. Ref. Aug 1975

028365 S16.G9G4
Influence of methyl bromide fumigation on eggplant [toxicity] in relation to fertilization with ammonium sulphate. (Gre) Thanasoulopoulos, K K; Kitsos, G Th *Geoponika* (Ser. 3) 21 (225): 223-227. Eng. Sum. July/Aug 1975

028366 S16.G9G4
Soil treatments for control of rootknot nematode (Meloidogyne incognita) in greenhouse grown cucumber. (Gre) Kyrou, N Ch *Geoponika* (Ser. 3) 21 (225): 239-241. Eng. Sum. July/Aug 1975

028367 S27.A3
[Forest] tree disease research. Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 4 P. 1975

028368 26 H27
The death of trees at Shaar-Hagai. (Heb) *Hassadeh* 56 (1): 107. Oct 1975

QC795.H4
Environmental pathways of plutonium into terrestrial plants and animals. Hakonson, T E *Health Phys* 29 (4): 583-588. Ref. Oct 1975

028369 1 AG84HG
Protecting shade trees during home construction [Injuries]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 104, Slightly Rev., 8 P. Sept 1975

S279.B225
Micronutrient research in soils and [deficiency symptoms in] plants in India: a review. Kanwar, J S; Randhawa, N S *ICAR Tech Bull Indian Counc Agric Res* 50, Rev., 185 P. Maps. Ref. Dec 1974

028370 SB110.G8
Drought injury and resistance of crop plants. Larson, K L *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 147-165. Ref. 1975

028371 SB110.G8
Wind effects and their amelioration in crop production. Sturrock, J W *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 283-313. Ref. 1975

028372 QH541.5.E8P49
The effects of mercury on the photosynthesis and growth of estuarine and oceanic phytoplankton [Algae]. Zingmark, R G; Miller, T G *In Physiological Ecology of Estuarine Organisms* P. 45-57. Ref. 1975

028373 QR1.I53 1974
Tetranactin, a pesticidal antibiotic [Control of insect andmite pests of plants]. Ando, K; Sagawa, T; Oishi, H; Suzuki, K; Nawata, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.3): 630-640. Ref. 1974 (Pub. 1975)

80 IN2
A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. Singh, R; Kumar, J C; Nandpuri, K S *Indian J Hortic* 32 (1/2): 98-101. Ref. Mar/June 1975

028374 80 IN2
Effect of short duration chilling on the performance of strawberry [Injuries]. Iyer, C P A; Subramanyam, M D *Indian J Hortic* 32 (1/2): 31-34. Mar/June 1975

028375 22 IN8
Check the diseases on summer vegetables. Khandelwal, G L; Lodha, M *Inten Agric* 12 (12): 19-22. Feb 1975

028376 442.9 AK124
Occurrence of plant-parasitic gall and cystic nematodes of Cactaceae. (Rus) Arutiunov, A V *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 53-57. Ref. Eng. Sum. 1975

028377 381 J8223
Forerunners of pesticides in classical Greece and Rome [Plant protection]. Smith, A E; Secoy, D M *J Agric Food Chem* 23 (6): 1050-1055. Ref. Nov/Dec 1975

028378 381 J8223
Uptake, translocation, and metabolism of [the nematicide] Tirpate in tobacco Nicotiana tabacum. Hill, J E; Krieger, R I *J Agric Food Chem* 23 (6): 1125-1129. Nov/-Dec 1975

028379 10 J822
Effect of some soil amendments on plant growth, survival and yield of dry beans (Phaseolus vulgaris L.) in relation to sodium toxicity. Ayoub, A T *J Agric Sci (Camb)* 85 (3): 471-475. Dec 1975

028380 10 J822
Marginal sulphur supplies for grassland herbage in southeast Scotland [Nutritional deficiencies]. McLaren, R G *J Agric Sci (Camb)* 85 (3): 571-573. Dec 1975

028381 420 EN823
Predacious mites (Acarina: Phytoseiidae) on sprayed apple trees at Bathurst (N.s.w.). Schicha, E *J Aust Entomol Soc* 14 (3): 217-219. Ref. Sept 29, 1975

028382 80 J825
The predominant role of calcium [in the tree metabolism] as an indicator in storage disorders in Cleopatra apples [Physiological diseases]. Martin, D; Lewis, T L; Cerny, L J; Ratkowsky, D A *J Hortic Sci* 50 (4): 447-455. Ref. Oct 1975

028383 421 J826
Bacillus penetrans n. Comb. Causing a virulent disease of plant-parasitic nematodes. Mankau, R *J Invertebr Pathol* 26 (3): 333-339. Nov 1975

028384 TD881.T3
Air pollution and vegetation [Inquiries]. (Jpn) Numata, M *J Jap Soc Air Pol* 10 (2): 27-35. July 1975

028385 382 SO12
Polyphenol oxidase activity and browning of three avocado varieties [resulting from mechanical injury]. Kahn, V *J Sci Food Agric* 26 (9): 1919-1324. Ref. Sept 1975

028386 410 J827
A comparison of two methods for estimating bird damage to sunflowers. Dolbeer, R A *J Wildl Manage* 39 (4): 802-806. Oct 1975

028387 410 J827
European rabbit invades western Argentina [Animal pests]. Howard, W E; Amaya, J N *J Wildl Manage* 39 (4): 757-761. Map. Oct 1975

028388 75.8 K147
Control of potato diseases during storage. (Rus) Volovik, A *Kartofel Ovoschi* 1: 13-14. Jan 1975

028389 75.8 K147
Evaluation of nematode resistant potato varieties. (Rus) Veselovskii, I; Bokhonova, M *Kartofel Ovoschi* 1: 38-39. Jan 1975

028390 421 M33
A resistant response of citrus roots to the root-knot nematode, Meloidogyne javanica. Orion, D; Cohn, E *Marcellia* 38 (4): 327-328. Oct 1975

028391 421 M33
Vascular restriction as the cause of 'Dimbula disease' of tea (Camellia sinensis) bushes. Wickremasinghe, R L; Perera, B P M; Vythilingam, M K *Marcellia* 38 (4): 299-303. Ref. Oct 1975

028392 20 M57
Biological control of plant diseases. (Rus) Manka, K *Mezhdunar S-kh Zh* 6: 62-65. 1975

028393 20 M57
Effective methods of protecting vegetable crops [in Poland]. (Rus) Narkiewicz-Jodko, J *Mezhdunar S-kh Zh* 6: 55-58. 1975

028394 QR1.M54
Effect of nutrient starvation on the utilization of storage lipids in Mortierella ramanniana [Fungi]. Peberdy, J F; Toomer, D K *Microbios* 13 (53): 123-131. Ref. 1975

028395 QK600.M5
Improvement of the theory of forecasting plant diseases. (Rus) Minkevich, I I *Mikol Fitopatol* 9 (4): 351-355. 1975

028396 SD111.N45N4
Copper deficiency in Pinus radiata in a peat soil nursery. Knight, P J *N Z J For Sci* 5 (2): 209-218. Ref. Aug 1975

028397 SD111.N45N4
Volatile phytotoxic substances formed by litter of Pinus radiata [inhibiting seedling growth of white clover and Lolium perenne]. Lill, R E; Waid, J S *N Z J For Sci* 5 (2): 165-170. Aug 1975

028398 S599.75.A1N9
Nematode genera from some New Zealand pastures. Yeates, G W *N Z Soil Bur Sci Rep* 21, 22 P. Ref. 1975

028399 436.8 N342
A modified apparatus for the extraction of nematodes from sterile culture [Pratylenchus, sweetcorn]. Webb, R M *Nematologica* 21 (3): 408-409. Sept 1975

028400 436.8 N342
Chemical stimuli for feeding by [nematode] Aphelenchus avenae [Rhizoctonia solani, Caenorhabditis briggsae]. Fisher, J M *Nematologica* 21 (3): 358-364. Sept 1975

028401 436.8 N342
Distribution of species of potato cyst nematodes [Heterodera rostochiensis] in South America. Efans, K; Franco, J; Scurrah, M M de *Nematologica* 21 (3): 365-369. Map. Sept 1975

028402 436.8 N342
Effects of potato cyst nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. Evans, K; Parkinson, K J; Trudgill, D L *Nematologica* 21 (3): 273-280. Sept 1975

028403 436.8 N342
Effects of potato cyst nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two susceptible varieties. Trudgill, D L; Parrott, D M; Evans, K; Widdowson, F V *Nematologica* 21 (3): 281-286. Sept 1975

028404 436.8 N342
Isolation, purification and characterization of a trypsin-like protease from the root-knot nematode, Meloidogyne incognita. Dasgupta, D R; Ganguly, A K *Nematologica* 21 (3): 370-384. Ref. Sept 1975

028405 436.8 N342
The influence of temperature on the ability of Aphelenchoides besseyi to survive dehydration [Rice, nematodes]. Huang, C S; Chiang, Y C *Nematologica* 21 (3): 351-357. Sept 1975

028406 SB998.N4N4
Control of Pratylenchus brachyurus in rough lemon seedlingswith Dowco 275 (diethyl-fluoro-pyridyl-phosphorothioate. Frederick, J J; Tarjan, A C *Nematropica* 5 (1): 10-13. Apr 1975

028407 SB998.N4N4
Effects of chemicals and plastic mulch on nematode populations and yield of tomato. Singh, N D *Nematropica* 5 (1): 6-10. Ref. Apr 1975

028408 SB998.N4N4
Effects of nematicides on the nematode populations and yield of tobacco. Singh, N D *Nematropica* 5 (1): 13-17. Ref. Apr 1975

028409 60.9 J27
Phytotoxic substances contained in sawdust [inhibitory effect on the growth of wheat]. (Jpn) Yoshida, S *Nippon Sochi Gakkai Shi* 21 (2): 102-108. Eng. Sum. July 1975

77.8 OL2
Assisted pollination and contamination by undesirable pollens [Coconuts]. (Fre) Nuce de Lamothe, M de; Rognon, F *Oleagineux* 30 (8/9): 359-364. Aug/Sept 1975

028410 1 AG84PRO
Moving? Traveling? Trading plants? Leave pests behind [Quarantine]. U.S. Dept. of Agriculture *PA U S Dep Agric* 1125, 4 P. Nov 1975

028411 SB401.P4P4
Bird and animal damage control in pecans. Carlton, R L *Pecan South* 2 (5): 214-216. Sept 1975

028412 464.9 P482
Integrated plant protection in fruit culture. (Ger) Konig, F *Pflanzenarzt* 28 (9): 106-109. Sept 1975

028413 450 P5623
Influence of growth conditions upon some physiological disorders of apples. (Fre) Bunemann, G; Ludders, P *Physiol Veg* 13 (3): 677-684. Ref. Eng. Sum. July/Sept 1975

028414 450 P5623
Rough fruit condition of the Shamouti orange: occurrence and patterns of development. Erner, Y; Monselise, S P; Goren, R *Physiol Veg* 13 (3): 435-443. Ref. July/Sept 1975

028415 SB599.P5
Plant pathologist reports on China. Kelman, A *Phytopathol News* 9 (10): 3-4. Oct 1975

028416 SB599.P5
The changing acidity of precipitation [Plants, injuries]. Cowling, E B; Heagle, A S; Heck, W W *Phytopathol News* 9 (10): 5. Oct 1975

464.8 P56
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita [root-knot nematode] on tomato. De Moura, R M; Echandi, E; Powell, N T *Phytopathology* 65 (12): 1332-1335. Dec 1975

028417 1.9 P69P
Black spot: a nonparasitic disease of bell pepper fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. Villalon, B; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 926-927. Nov 1975

028418 1.9 P69P
Effect of inoculum level and plant age on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. Singh, N D; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 905-908. Ref. Nov 1975

028419 1.9 P69P
Response of soybean cultivars to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and Sclerotium rolfsii [Nematodes]. Minton, N A; Parker, M B; Flowers, R A; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 920-923. Ref. Nov 1975

028420 SB599.P54
Bibliography on the genus Arvicola Lacepede; work published in Europe from 1900 to 1972 (excluding Russia) [Rodents causing severe damage crops]. (Fre) Airoldi, J P; Meylan, A *Plant Health Newsl Eur Mediterr Plant Protect Organ Publ Serb* 78, 42 P. Nov 1974

TD881.P6
Experimental technique allowing for the study of the incidence on vegetation of sulfur dioxide pollutants applied continuously and at subnecrotic doses. (Fre) Cormis, L de; Bonte, J; Tisne, A *Pollut Atmos* 17 (66): 103-107. Eng. Sum. Apr/June 1975

028421 513 N212 PT.B
Physiological plant pathology: a multidisciplinary science. Sadasivan, T S *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 347-358. Ref. Aug 1974

028422 513 N212 PT.B
Retardation of senescence in rice (Oryza sativa L.) leaves by benzimidazole and nickel chloride. Mishra, D; Samal, B *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 100-106. Ref. Feb 1974

028423 79.9 N213
Control of lucerne stem nematode [Ditylenchus dipsaci] withCGA 12223 [Systemic organophosphorus insecticides]. Rae, S J *Proc N Z Weed Pest Control Conf* 28th: 221-222. 1975

028424 79.9 N213
Preliminary attempts to reduce root knot nematode [Meloidogyne hapla] infestations on Chinese gooseberry roots. Griffin, J; Dixon, G M *Proc N Z Weed Pest Control Conf* 28th: 223-225. 1975

79.9 N213
Proceedings of the twenty-eighth New Zealand Weed and Pest Control Conference, Angus Inn, Hastings, August 5 to 7, 1975. New Zealand Weed and Pest Conrol Conference, 28th, Hastings; , 1975 *Proc N Z Weed Pest Control Conf* 28th, 288 P. 1975

028425 S293.C6N31
Citrus diseases in Thailand. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 120-126. 1974

028426 S293.C6N31
Forage crop disease survey in Thailand. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 127-131. 1974

028427 S293.C6N31
Study on varietal reaction to root rot disease of mulberry [Morus]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 81-85. 1974

028428 14 P94
Toxicity from boron [Grapes]. (Fre) Branas, J *Prog Agric Vitic* 92 (19): 557-558. Oct 1, 1975

028429 275.29 M313
Control of plant diseases. *Pub (Manit Dep Agric)* 475, Rev. 5 P. 1975

028430 107.6 H68
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. (Jpn) Yoshihara, T; Kegasawa, K *Res Bull Hokkaido Natl Agric Exp Stn* 109: 19-26. Ref. Eng. Sum. Dec 1974

SB29.K8A3
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of grape varieties [Winter injury]. (Kor) Yu, Y S; Kim, Y H; Hong, S B *Res Rep Off Rural Dev (Suwon)* 17: 13-18. Eng. Sum. Aug 1975

028431 65.8 SO8
Nematodes and sugarcane. Dick, J; Harris, R H G *S Afr Sugar J* 59 (8): 397, 399, 401, 403, 406-410. Ref. Aug 1975

028432 80 SCH9
Hail formation and control [Crop protection]. (Ger) Gensler, G *Schweiz Z Obst Weinbau* 111 (17): 442-447. (Continued) Aug 9, 1975

028433 80 SCH9
Hail formation and control [Crop protection]. (Ger) Gensler, G *Schweiz Z Obst Weinbau* 111 (18): 465-469. (Concluded) Aug 23, 1975

028434 80 SCH9
Mice in grape cultures. (Ger) Schwarzer, H *Schweiz Z Obst Weinbau* 111 (17): 449-451. Aug 9, 1975

028435 80 SCH9
The Bachli bird defense system in grape culture. (Ger) Bachli, E *Schweiz Z Obst Weinbau* 111 (18): 475-478. Aug 23, 1975

028436 80 SCH9
Wind and storm damages to bird controlling nets [Viticulture]. (Ger) Faust, H *Schweiz Z Obst Weinbau* 111 (18): 479-480. Aug 23, 1975

028437 100 P381S
Apple trees protected from voles with thiram. Luke, J E; Snetsinger, R J; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 7. Fall 1975

028438 61.9 SE5
The inheritance of cabbage resistance to speck necrosis. (Rus) Polegaev, V I *Sel Semenovod (Mosk)* 3: 77-78. May/June 1975

028439 276 IL623
Diseases of Midwest trees. Carter, J C; Illinois University College of Agriculture Cooperative Extension Service *Spec Publ Coll Agric Univ Ill Urbana Champaign* Special No. 35, 168 P. June 1975

SB215.S8
Notes on disease resistance of tissue culture sub-clones and fusion of sugarcane protoplasts [for the improvement of varieties]. Krishnamurthi, M *Sugarcane Breed Newsl* 35: 24-26. Mar 1975

028440 100 F66SU
Lethal yellowing: intensive probe is launched [Coconuts, diseases of unknown origin]. Thomas, B; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 6-7. Fall 1975

028441 100 F66SU
Malayan Dwarf [Diseases of unknown origin] palm, resistant to lethal yellowing, is recommended for planting in Florida. Midcap, J T; McCoy, R E; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 8-9. Fall 1975

028442 100 F66SU
Test allows early detection of young [orange and grapefruit] tree decline [Diseases of unknown origin]. Thomas, B; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 11. Fall 1975

028443 290.9 AM32T
Bruising characteristics of peaches related to mechanical harvesting. Kunze, O R; Aldred, W H; Reeder, B D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 939-941, 945. Sept/Oct 1975

028444 290.9 AM32T
Estimating seedling survival from wind erosion parameters. Fryrear, D W; Downes, J D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 888-891. Ref. Sept/Oct 1975

028445 513 T64
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected orchard soils. (Jpn) Nagai, T; Koga, H *Trans Tottori Soc Agric Sci* 27: 34-41. Ref. Eng. Sum. Mar 1975

028446 513 T64
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an upland crop. (Jpn) Nagai, T; Yamanouchi, M *Trans Tottori Soc Agric Sci* 27: 42-48. Eng. Sum. Mar 1975

028447 474 UM7
Phytopathology today: threat of plant diseases to our crops. (Ger) Kranz, J *Umschau* 75 (22): 691-696. Ref. Eng. Sum. Nov 15, 1975

028448 64.8 Z12
Current problems of cereal protection and the use of fungicide. (Cze) Benada, J *Uroda* 23 (5): 167-168. May 1975

028449 64.8 Z12
Effects of concentration and specialization on the spread of plant diseases. (Cze) Kudela, V *Uroda* 23 (8): 316-317. Aug 1975

028450 A99.9 F7652P
Ohia [Metrosideros collina] forest decline [of unknown origin]: its spread and severity in Hawaii. Petteys, E Q P; Burgan, R E; Nelson, R E; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)* 105, 11 P. Maps. 1975

028451 A99.9 F7632U
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of ponderosa pine. Rietveld, W J; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn* 153, 15 P. Ref. Sept 1975

028452 60.18 UN33
What is happening to our bermudagrass [Cynodon dactylon]. 2. A new concern with the hybrids [Turf diseases]. Moncrief, J B *USGA Green Sect Rec* 13 (6): 8-10. Nov 1975

028453 100 UT1F
Stem nematodes [Ditylenchus dipsaci]—their effects on plants grown with alfalfa. Griffin, G D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 90-93. Sept 1975

028454 100 UT1F
Zinc dificiency in Utah field corn—its diagnosis and treatment. James, D W; Christensen, P D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 106-109. Sept 1975

95.8 V77
Method of breeding for combined immunity of grapes to fungus diseases and Phylloxera. (Rus) Verderevskii, D D; Voitovich, K A *Vinodel Vinograd SSSR* 4: 28-30. 1975

028455 20 V82
Chemical treatment of potatoes in seed plots [Pesticide injuries]. (Ukr) Nastenko, P M; Soleiko, V M; Tesliuk, P S; Klets', S A *Visn Sil's'kohospod Nauki* 6: 37-42. June 1975

028456 79.8 W41
Phytotoxic action of desmedipham: influence of temperature and light intensity [Sugarbeets, plant injuries]. Bethlenfalvay, G; Norris, R F *Weed Sci* 23 (6): 499-503. Ref. Nov 1975

028457 281.8 W892
Fertilizers are found to influence coconut wilt disease in India. Natarajan, S *World Crops* 27 (6): 261-262. Nov/Dec 1975

028458 449.8 Z36
Baits for the control of the hairy-footed gerbil, Gerbillusgleadowi [Pests of crops]. Prakash, I; Jain, A P; Rana, B D *Z Angew Zool* 62 (3): 349-359. 1975

028459 421 Z1
Biological method: achievements and prospects [Plant diseases and pests, control]. (Rus) Shumakov, E M *Zashch Rast* 2: 2-5. Feb 1975

028460 421 Z1
Chlorosis of fruit trees. (Rus) Zhukova, V D *Zashch Rast* 5: 36-37. May 1975

028461 421 Z1
Complex protection of sugarbeets [against diseases and pests]. (Rus) Petrukha, O I; Shevchenko, V N; Pozhar, Z A *Zashch Rast* 6: 28-33. June 1975

028462 421 Z1
Current problems in the center of attention [Plant protection]. (Rus) Fadeev, IU N *Zashch Rast* 4: 7-9. Apr 1975

028463 421 Z1
Diseases of currants and gooseberries. (Rus) Borisoglebskaia, M S *Zashch Rast* 6: 56-58. June 1975

028464 421 Z1
Effectiveness of [plant] protection measures and the role of prognoses and localization. (Rus) Azar'ian, M B; Sukhanova, R S *Zashch Rast* 2: 43-45. Feb 1975

028465 421 Z1
Experiment in protecting winter wheat from diseases. (Rus) Rebenko, V P; Kutateladze, E E; Machuzhenko, V I; Topal, V I *Zashch Rast* 5: 20-22. May 1975

028466 421 Z1
Extension of bacterial rodenticides [Cereal pests, control]. (Rus) Kandybin, N V; Serebriakova, L K *Zashch Rast* 2: 33-34. Feb 1975

028467 421 Z1
Fergana Region [Plant protection]. (Rus) Senderov, I K *Zashch Rast* 4: 45-47. Apr 1975

028468 421 Z1
Gall nematode [Control, vegetables]. (Rus) Gushchin, B E; Perlovskii, A G; Zhdanovskaia, M I *Zashch Rast* 6: 20-21. June 1975

028469 421 Z1
Gradual improvement of [plant] quarantine measures. (Rus) Osipov, G V *Zashch Rast* 5: 48-49. May 1975

028470 421 Z1
Harmful potato nematode [Heterodera rostochiensis]. (Rus) Makovskaia, S A *Zashch Rast* 2: 49. Feb 1975

028471 421 Z1
High level of farming as a basis for plant protection. (Rus) Orishchenko, A D *Zashch Rast* 4: 31-33. Apr 1975

028472 421 Z1
Introduction of low-volume spraying [Disease and pest control of fruit trees and grapes]. (Rus) Tsvetkova, A G; Kaldare, E F; Driagina, L IA; Platon, V I *Zashch Rast* 4: 28-30. Apr 1975

028473 421 Z1
Organization of technological processes of plant protection on collective and state farms. (Rus) Chenkin, A F *Zashch Rast* 6: 37-39. June 1975

028474 421 Z1
Organization of prognoses and localization in Bulgaria [Plant diseases and pests, control]. (Rus) Popov, P A; Mikhailova, P T *Zashch Rast* 1: 56-57. Jan 1975

028475 421 Z1
Plant protection and industry [Ground squirrels as cereal pests, control]. (Rus) Zamyslov, E P *Zashch Rast* 1: 12-13. Jan 1975

028476 421 Z1
Problems of phytohelminthology [Potato nematodes, control]. (Rus) Ershov, V S; Efremenko, V P *Zashch Rast* 1: 15-18. Jan 1975

028477 421 Z1
Prognosis for 1975 [Plant diseases and pests]. (Rus) Udintsov, P S *Zashch Rast* 1: 46-48. Jan 1975

028478 421 Z1
Protection of cucumbers in greenhouse conditions [Disease and pest control. (Rus) Tsybul'skaia, G N; Chizhik, R I; Skatynskaia, E I *Zashch Rast* 5: 25-26. May 1975

028479 421 Z1
Stem nematode [Ditylenchus dipsaci] of the beet [Control]. (Rus) Shcherbak, P D *Zashch Rast* 4: 44. Apr 1975

028480 421 Z1
Theoretical prerequisites of plant disease prognostication. (Rus) Minkevich, I I *Zashch Rast* 6: 40-42. June 1975

028481 421 Z1
Tomato diseases in sheltered ground. (Rus) Skliarevskaia, V V *Zashch Rast* 6: 59-60. June 1975

028482 421 Z1
Urgent work for the closing year [Plant protection, Crimea]. (Rus) Babchuk, I V; Kornilov, A V *Zashch Rast* 5: 6-9. May 1975

WEEDS AND HERBICIDES

028483 S544.3.W6W53
1976 field crops herbicide manual for dealers and custom applicators. Doersch, R; Fawcett, D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2296, Rev., 63 P. Oct 1975

028484 10 G79LA
Black-grass [Alopecurus myosuroides, control]. *Advis Leafl G B Minist Agric Fish Food* 522, 7 P. 1975

028485 385 AG8B
Synthesis and herbicidal activity of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. Ohkawa, H; Mikami, N; Mine, A; Miyamoto, J *Agric Biol Chem* 39 (11): 2265-2267. Nov 1975

028486 256.13 AG82M
Ragwort [Senecio jacobaea] control in grassland—an alternative strategy. Courtney, A D *Agric North Irel* 50 (6): 177-180. Oct 1975

028487 1.98 AG84
Micro-ecosystem monitors [Colletotrichum gloeo for biological control of Aeschynomene in rice]. U.S. Agricultural Research Service *Agric Res* 24 (7): 10-11. Jan 1976

028488 1.98 AG84
Some like it cold [Weed control, 4-chloro-5-(dimethylamino)-2-phenyl-3 (2H)-pyridazinone]. U.S. Agricultural Research Service *Agric Res* 24 (7): 8-9. Jan 1976

028489 4 AM34P
Minimal herbicide treatments on the establishment of four turfgrasses. Johnson, B J *Agron J* 67 (6): 786-789. Nov/Dec 1975

028490 4 AM34P
Postemergence control of Kochia [scoparia] and Russian thistle [Salsola kali tenuifolia] in early spring [Sugarbeets]. Smith, D T; Wiese, A F; Cooley, A W *Agron J* 67 (6): 752-754. Ref. Nov/Dec 1975

028491 410 M58
Noncompetitive effects of common milkweed, Asclepias syriaca L., [weeds] on germination and growth of grain sorghum. Rasmussen, J A; Einhellig, F A *Am Midl Nat* 94 (2): 478-483. Ref. Oct 1975

028492 QK102.A65
Response of Potamogeton pectinatus L. To norflurazon [Herbicides]. Devlin, R M; Karczmarczyk, S J *Aquat Bot* 1 (3): 263-268. Ref. Sept 1975

028493 464.8 AR2
Studies on the use of herbicides in sugarbeet growing as combined with several agrotechnical measures for better crop emergence. (Ger) Pallutt, B; Feyerabend, G *Arch Phytopathol Pflanzenschutz* 11 (4): 283-296. Ref. Eng. Sum. 1975

028494 100 AR42F
Factors affecting the selectivity of dinitramine [herbicide] in soybeans. Kennedy, J M; Frans, R E; Talbert, R E; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 15. Nov/Dec 1975

028495 100 AR42F
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to control Aeschynomene virginica in rice]. Beasley, J N; Patterson, L T; Templeton, G E; Smith, R J Jr; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 16. Nov/Dec 1975

028496 23 AU783
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. Groves, R H; Williams, J D *Aust J Agric Res* 26 (6): 975-983. Ref. Nov 1975

028497 57.9 AR1
Effectiveness of different herbicides against broad-leaved dock [Rumex obtusifolius]. (Ger) Hubner, H *Ber Arbeitstag Fragen Gulle* P. 119-125. Ref. 1974

57.9 AR1
Use of liquid manure for potatoes [Yields, weed control]. (Ger) Halder, C *Ber Arbeitstag Fragen Gulle* P. 163-172. 1974

028498 QK710.F5
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. Tonecki, J *Biochem Physiol Pflanz BPP* 167 (2): 141-149. Ref. 1975

028499 442.8 B529
Catalogue of species of weeds infesting cultivated areas in Brazil—annual grasses. (Por) Garcia Blanco, H *Biologico* 41 (1): 6-14. Ref. Eng. Sum. Jan 1975

028500 RA1270.P35A1
Determination of paraquat [herbicide] residues in food crops by gas chromatography. Khan, S U *Bull Environ Contam Toxicol* 14 (6): 745-749. Dec 1975

028501 100 C12CAG
Biological aquatic weed control by fish in the lower Sonoran Desert of California. Legner, E F; Hauser, W J; Fisher, T W; Medved, R A; California Agricultural Experiment Station *Calif Agric* 29 (11): 8-10. Nov 1975

470 C16C
Uptake of picloram [herbicide] by roots of alfalfa and barley. Morrison, I N; Vanden Born, W H *Can J Bot* 53 (17): 1774-1785. Ref. Sept 1, 1975

028502 450 C16
Picloram for the control of leafy spurge [Euphorbia esula]. Bowes, G; Molberg, E S *Can J Plant Sci* 55 (4): 1023-1027. Oct 1975

028503 450 C16
Selective control of wild oats [Avena fatua] in barley withAC 84777. Friesen, H A; Litwin, O B *Can J Plant Sci* 55 (4): 927-934. Oct 1975

028504 450 C16
The biology of Canadian weeds. 13. Cirsium arvense (L.) Scop. Moore, R J *Can J Plant Sci* 55 (4): 1033-1048. Map. Ref. Oct 1975

028505 450 C16
The biology of Canadian weeds. 14. Gypsophila paniculata L. Darwent, A L *Can J Plant Sci* 55 (4): 1049-1058. Map. Ref. Oct 1975

028506 450 C16
The biology of Canadian weeds. 15. Pteridium aquilinum (L.) Kuhn. Cody, W J; Crompton, C W *Can J Plant Sci* 55 (4): 1059-1072. Map. Ref. Oct 1975

028507 80 C498
Herbicides check weeds in largest citrus tract. *Citrus Veg Mag* 39 (4): 18-19. Dec 1975

028508 SB415.C625
Dodder [Cuscuta]—increasing in Connecticut [Horticultural plants, weed control]. Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 8-9. Sept 1975

028509 475 SCI23
Studies on the effect of aminotriazole on chloroplast development in Phaseolus radiatus L. [Beans]. Vivekanandan, M; Gnanam, A *Curr Sci* 44 (23): 842-845. Ref. Dec 5, 1975

028510 58.8 T677
Dousing weeds [of maize with propane for burning]. (Ger) Hoffmann, M *DLZ (Die Landtech Z)* 26 (3): 154. Mar 1975

028511 58.8 T677
Weeds in maize? (Ger) Krumrey, G *DLZ (Die Landtech Z)* 26 (3): 152, 154. Mar 1975

028512 SB215.I54
Weed control trials in sugarbeet crops with isocarbomide and its combination with lenacyl. Results of 4-year experiments. (Fre) Belien, J M; Detroux, L; Salembier, J F; Gomand, M *Driemaand Publ Belg Inst Ver* 43 (11): 63-89. Eng. Sum. 1975

410 EC7
A production model for Myriophyllum spicatum L. [Aquatic weeds]. Titus, J; Goldstein, R A; Adams, M S; Mankin, J B; O'Neill, R V; Weiler, P R Jr; Shugart, H H; Booth, R S *Ecology (Durham)* 56 (5): 1129-1138. Ref. Summer 1975

028513 275.29 W27MI
Sweet corn [Weeds]. Peabody, D V; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3981, 4 P. July 1975

028514 QL461.E532
Successful biocontrol of musk thistle [Carduus nutans] by an introduced weevil, Rhinocyllus conicus. Kok, L T; Surles, W W *Environ Entomol* 4 (6): 1025-1027. Dec 1975

028515 S15.E9
Another problem solved: wild oats [Avena fatua control]. (Spa) Morillo Garcia, M *Explot Agrar* 11: 7-8. Mar 1975

028516 1 EX892EX
Controlling tansy ragwort [Senecio jacobaea, biological control with cinnabar moth]. Kingsley, K K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 16-17. Jan/Feb 1976

028517 1 AG84F
Using phenoxy herbicides effectively [Economic plants]. Klingman, D L; Shaw, W C; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2183, Slightly Rev., 25 P. Oct 1975

028518 26 H27
Weed control in winter legumes and in safflower with Kerb 50. (Heb) Sapir, M; Diskin, Y *Hassadeh* 56 (1): 139-142. Oct 1975

028519 QR1.I53 1974
New herbicides derived from an antibiotic, anisomycin. Ishida, S; Yamada, O; Futatsuya, F; Ito, K; Yamamoto, H; Munakata, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 641-650. 1974 (Pub. 1975)

028520 381 J8223
Photosensitization and luminescence of picloram. Glass, B L *J Agric Food Chem* 23 (6): 1106-1109. Ref. Nov/Dec 1975

10 J822
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. Penny, A; Jenkyn, J F *J Agric Sci (Camb)* 85 (3): 533-539. Dec 1975

028521 420 EN823
Apion antiquum (Curculionoidea: Apionidae) for biological control of the weed Emex australis. Harley, K L S; Kassulke, R C *J Aust Entomol Soc* 14 (3): 271-276. Sept 29, 1975

99.8 N62
Studies on the weed [Sasa paniculata]-vegetation at the early stage of reforestation. I. Vegetable transition on Cryptomeria japonica forests planted in every year. (Jpn) Higuchi, K; Sato, S; Kato, R; Shimoda, H *J Jap For Soc* 57 (10): 346-350. Eng. Sum. Oct 1975

028522 84 L84J
Herbicides in the landscape and garden. 1. Robinson, D W *J R Hortic Soc* 100 (11): 554-559. Nov 1975

028523 410 J272
Changes of germinability of weed seeds during storage in air-dry condition. II. (Jpn) Hiramatsu, N *Jap J Ecol* 25 (3): 149-154. Eng. Sum. Sept 1975

028524 75.8 K147
Aftereffects of herbicides [Vegetables, potatoes, yields, weed control]. (Rus) Kolesnikov, V; Derkach, A *Kartofel Ovoschi* 1: 39-40. Jan 1975

028525 75.8 K147
Use of Semeron [for weed control in cabbage stands]. (Rus) Gushcha, L *Kartofel Ovoschi* 5: 36. May 1975

028526 SB1.K4
Nightshade [Solanum] control in crops. Kempen, H M; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 5. Nov 15, 1975

028527 72.8 K522
The efficiency of agrotechnical and chemical control of weeds [in cotton stands]. (Rus) Korobatov, V A; Nagiev, D A *Khlopkovodsto* 5: 41-42. May 1975

028528 59.8 L39
Control of weeds in rice fields. (Por) *Lav Arroz* 28 (284): 33-34. Mar/Apr 1975

028529 20 M57
Application of herbicides in growing tomatoes and bush redpeppers. (Rus) Elenkov, E; Velev, B; Rankov, V *Mezhdunar S-kh Zh* 6: 59-62. 1975

028530 100 AR42M
Field screening of new chemicals for herbicidal activity, 1975 [Economic crops]. Talbert, R E; Frans, R E; Ramthun, I E; Arkansas Agricultural Experiment Station *Mimeogr Ser Univ Arkansas Agric Exp Stn* 236, 19 P. Nov 1975

028531 18 N39
Chemical herbicides carefully applied. (Ger) Heidler, G *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1204, 1206. Nov 20, 1975

028532 99.8 C162
Initial weed control in Douglas fir [Pseudotsuga menziesii] nursery beds at Rangiora. Balneaves, J M *N Z J For* 20 (1): 153-156. 1975

028533 SB951.P47
Surfactants and the uptake and movement of paraquat in plants. Bland, P D; Brian, R C *Pestic Sci* 6 (4): 419-427. Aug 1975

028534 464.9 P482
Experiences gained in current year's weed control in sugarbeet culture [Austria]. (Ger) Neururer, H *Pflanzenarzt* 28 (8): 93. Aug 1975

028535 464.9 P482
Should grapevine shoots be cut off after injury from herbicides? (Ger) Neururer, H; Herwirsch, W *Pflanzenarzt* 28 (9): 105-106. Sept 1975

028536 450 P5622
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a soil culture [of microorganisms; phytotoxicity assay with wheat seedlings]. Milborrow, B V; Harthoorn, P A *Phytochemistry* 14 (11): 2371-2374. Ref. Nov 1975

028537 450 P5622
Effect of [herbicide] molecules with hormonal properties on phenylalanine ammonia lyase activity [in tobacco and wheat]. (Fre) Vallee, J C; Paynot, M; Martin, C; Vansuyt, G; Prevost, J *Phytochemistry* 14 (10): 2147-2151. Ref. Eng. Sum. Oct 1975

028538 450 P5622
Urushiols of poisonous Anacardiaceae [Toxicodendron, Metopium toxiferum]. Gross, M; Baer, H; Fales, H M *Phytochemistry* 14 (10): 2263-2266. Ref. Oct 1975

450 P692
Promotion of sorghum callus growth by the s-triazine herbicides. Nadar, H M; Clegg, M D; Maranville, J W *Plant Physiol* 56 (6): 747-751. Ref. Dec 1975

028539 275.29 IO9PA
Weed control suggestions for soybeans in 1976. Jennings, V M; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 658, 2 P. Nov 1975

028540 275.29 IO9PA
Weed control suggestions for corn in 1976. Jennings, V M; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 659, 2 P. Nov 1975

028541 513 IN25B
Leaf variation due to 2, 4-D [(2,4-dichlorophenoxy) acetic acid, herbicides] influence in Trigonella foenum-graecum L. Unnikrishnan, K; Hariharan, M *Proc Indian Acad Sci, Sec B* 82 (5): 167-174. Ref. Nov 1975

028542 513 IN25B
Weed-crop behaviour in pure and mixed stands of maize and Echinochloa colona Link. Kapoor, P; Ramakrishnan, P S *Proc Indian Acad Sci, Sec B* 82 (5): 175-194. Ref. Nov 1975

028543 513 N212 PT.B
Paraquat adsorption on clay minerals. Mithyantha, M S; Rao, K B; Biddappa, C C; Lillaram, N T *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 293-298. Ref. June 1974

028544 79.9 N213
A review of some factors affecting the performance of glyphosate [Weed control]. Scherp, L A *Proc N Z Weed Pest Control Conf* 28th: 165-168. Ref. 1975

028545 79.9 N213
A screening technique for evaluation of brushweed [Ulex europaeus, Cytisus scoparius, Lupinus arboreus] herbicides. Naish, R W *Proc N Z Weed Pest Control Conf* 28th: 70-73. 1975

028546 79.9 N213
Aquatic herbicide use—administrative aspects. Foley, A J *Proc N Z Weed Pest Control Conf* 28th: 133-135. 1975

028547 79.9 N213
Aquatic weed control policy. Hughes, H R *Proc N Z Weed Pest Control Conf* 28th: 136-142. Ref. 1975

028548 79.9 N213
Chemical weed control in lupins. Betts, M *Proc N Z Weed Pest Control Conf* 28th: 24-26. 1975

028549 79.9 N213
Chemical weed control in Solanum laciniatum. Betts, M *Proc N Z Weed Pest Control Conf* 28th: 39-41. 1975

028550 79.9 N213
Difenzoquat for wild oat [Avena fatua, Avena ludoviciana] control in cereals. Logan, I C *Proc N Z Weed Pest Control Conf* 28th: 181-184. 1975

028551 79.9 N213
Dowco 290 [3,6-dichloropicolinic acid]—a new growth regulator herbicide [Cirsium arvense, Senecio jacobaea]. Naish, R W *Proc N Z Weed Pest Control Conf* 28th: 177-180. 1975

028552 79.9 N213
Effect of additives on bracken [Pteridium aquilinum] control by asulam and glyphosate. Preest, D S *Proc N Z Weed Pest Control Conf* 28th: 49-52. 1975

028553 79.9 N213
Effect of ethofumesate on barley grass [Hordeum] and other pasture species [Control]. O'Connor, B P; Logan, I C; Rowe, G R *Proc N Z Weed Pest Control Conf* 28th: 12-16. 1975

028554 79.9 N213
Effects of simazine applicatins and watering on asparagus seedlings [Weed control]. Cox, T I *Proc N Z Weed Pest Control Conf* 28th: 84-86. 1975

028555 79.9 N213
Eradication of bracken [Pteridium aquilinum] on railway reserves. Kennedy, D A *Proc N Z Weed Pest Control Conf* 28th: 53. 1975

028556 79.9 N213
Factors affecting herbicide control of barley grass [Hordeum]—pot trials. Hartley, M J *Proc N Z Weed Pest Control Conf* 28th: 17-20. 1975

028557 79.9 N213
Herbicide antidotes—a new concept in weed control. Capper, B E *Proc N Z Weed Pest Control Conf* 28th: 189-191. 1975

028558 79.9 N213
Introduction of a weevil [Rhinocyllus conicus] for biological control of nodding thistle [Carduus nutans]. Jessep, C T *Proc N Z Weed Pest Control Conf* 28th: 205-206. 1975

028559 79.9 N213
Movement of herbicide effects within gorse [Ulex] plants. Thompson, A *Proc N Z Weed Pest Control Conf* 28th: 60-63. 1975

028560 79.9 N213
Onion sowing depth and herbicides. Wilson, G J *Proc N Z Weed Pest Control Conf* 28th: 80-83. 1975

028561 79.9 N213
Paspalum [dilatatum] control in Australasia with glyphosate. Scherp, L A; Sarfaty, A B *Proc N Z Weed Pest Control Conf* 28th: 169-172. 1975

028562 79.9 N213
Penoxalin, a new selective herbicide for weed control in peas, beans and other crops. Moore, R W *Proc N Z Weed Pest Control Conf* 28th: 185-188. 1975

028563 79.9 N213
Plant toxicities in sheep on a property with unusual weed control problems. Simpson, B H *Proc N Z Weed Pest Control Conf* 28th: 92-94. Ref. 1975

028564 79.9 N213
Preliminary evaluation of pre- and post-emergence herbicides in 'Maku' Lotus [pedunculatus]. Ivens, G W *Proc N Z Weed Pest Control Conf* 28th: 31-34. 1975

028565 79.9 N213
Preliminary investigations with DPX 3674 for weed [Pteridium aquilinum, Cortaderia fulvida] control in [Pinus radiata] forestry. Bowers, A; Porter, J F *Proc N Z Weed Pest Control Conf* 28th: 160-164. 1975

028566 79.9 N213
Proceedings of the twenty-eighth New Zealand Weed and Pest Control Conference, Angus Inn, Hastings, August 5 to 7, 1975. New Zealand Weed and Pest Conrol Conference, 28th, Hastings; , 1975 *Proc N Z Weed Pest Control Conf* 28th, 288 P. 1975

028567 79.9 N213
Review of and observations on current methods of bracken [Pteridium aquilinum] control in forestry. Preest, D S *Proc N Z Weed Pest Control Conf* 28th: 43-48. Ref. 1975

028568 79.9 N213
Scrub weed control with thiazafluron. Rae, S J; Patterson, T M *Proc N Z Weed Pest Control Conf* 28th: 67-69. 1975

028569 79.9 N213
Some aspects of absorption, translocation and metabolism of 14C [carbon isotope]-picloram in gorse [Ulex europaeus]. Rolston, M P; Robertson, A G *Proc N Z Weed Pest Control Conf* 28th: 54-59. 1975

028570 79.9 N213
Submerged weed [Lagarosiphon major] control by lake lowering. Coffey, B T *Proc N Z Weed Pest Control Conf* 28th: 143-152. Maps. 1975

028571 79.9 N213
Tetrapion: evaluation for the control of rhizomatous grasses [Pennisetum clandestinum, Agropyron repens, Cynodon dactylon, Agrostis tenuis] and toetoe [Cortaderia fulvida]. Rowe, G R; O'Connor, B P *Proc N Z Weed Pest Control Conf* 28th: 173-176. 1975

028572 79.9 N213
The effect of herbicides on white lupins for seed production. Mitchell, R B; Meeklah, F A *Proc N Z Weed Pest Control Conf* 28th: 27-30. 1975

028573 79.9 N213
The effect of soil moisture on the uptake of herbicide by gorse [Ulex europaeus]. Thompson, A *Proc N Z Weed Pest Control Conf* 28th: 64-66. 1975

79.9 N213
The tolerance of oil seed rape to herbicides. Meeklah, F A; Mitchell, R B; Butel, J C *Proc N Z Weed Pest Control Conf* 28th: 35-38. 1975

028574 79.9 N213
Toxicity [to livestock] of some composite (Senecio) weeds. Mortimer, P H; White, E P *Proc N Z Weed Pest Control Conf* 28th: 88-91. 1975

028575 79.9 N213
Trifluralin and atrazine for weed control in lupin seed crops. Rhodes, P J *Proc N Z Weed Pest Control Conf* 28th: 22-23. 1975

028576 79.9 N213
VEL 5026—a new herbicide for non-selective weed control. MacDiarmid, B N *Proc N Z Weed Pest Control Conf* 28th: 154-159. 1975

028577 79.9 N213
Weed control in snap beans. Stevenson, M R *Proc N Z Weed Pest Control Conf* 28th: 75-79. 1975

028578 S293.C6N31
Weed control in immature rubber. Boonsrirat, C; Templeton, J K *Proc Natl Conf Agric Biol Sci* 13: 1-9. 1974

7 C16PU
Wild oat [Avena fatua] gene pool: a collection maintained by the Canada Department of Agriculture. Baum, B R; Rajhathy, T; Martens, J W; Thomas, H *Publ Agric Can* 1475, Rev., 100 P. 1975

028579 23 Q33
Chemical weed control guide; summer crops—1975. Rawson, J E; Marley, J M T; Walsh, S R *Queensl Agric J* 101 (4): 403-418. July-/Aug 1975

028580 S537.M3A24
Brush spraying [Chemical control]. Walther, J; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 23-24. Feb 1975

028581 107.6 H68
Influence of weed competition on sugarbeet yield [Polygonumlapathifolium, Chenopodium album, Commelina communis, Echinochloa crusgali]. (Jpn) Watanabe, Y; Hirokawa, F *Res Bull Hokkaido Natl Agric Exp Stn* 110: 25-34. Ref. Eng. Sum. Jan 1975

028582 SD111.W89A4
Control of herbaceous weeds in Blackwood Valley pine [Pinus radiata] plantations. McKinnell, F H *Res Pap For Dep West Aust* 15, 4 P. 1975

028583 100 H313P
Herbicide evaluation studies with sweetcorn (Zea mays L.) in Hawaii. Tanaka, J S; Romanowski, R R Jr; Sakuoka, R T; Crozier, J A Jr; Hawaii Agricultural Experiment Station *Res Rep Hawaii Agric Exp Stn* 194, 28 P. May 1974

028584 13 R322
Applications of post-emergence herbicides in pea and dwarf bean crops. (Fre) Himme, M van; Vulsteke, G *Rev Agric (Brux)* 28 (4): 795-811. July/Aug 1975

028585 SF1.R55
Informative note on herbicides. (Ita) Beretta, C *Riv Zootec Vet* 3: 273-278. Ref. May/June 1975

SB52.U5S6
Effects of irrigation on the [herbicide] movement of Treflan and Lasso in containers. Whitcomb, C E; Perryman, P E *SNA Nursery Res J (South Nurserymen's Assoc)* 2 (1): 1-9. Ref. Nov 1975

028586 409.6 SO8
Vegetation changes on an old rice field following herbicide treatment. Cwik, M J; Dodd, J D *Southwest Nat* 20 (3): 379-389. Ref. Oct 10, 1975

028587 SB613.G7W4
A survey of aquatic weed control methods used by internal drainage boards, 1973. Robson, T O *Tech Rep Weed Res Organ* 35, 31 P. Jan 1975

028588 ASD11.A46
Silvicultural use of herbicides in Pacific Northwest forests. Gratkowski, H; U.S. Pacific Northwest Forest and Range Experiment Station *U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn* 37, 44 P. Ref. 1975

028589 64.8 Z12
New herbicides for weed eradication in meadow clover. (Cze) Vokral, M *Uroda* 23 (8): 308-309. Aug 1975

028590 64.8 Z12
Principles of the most effective use of herbicides in flax. (Cze) Smirous, P *Uroda* 23 (5): 186-187. May 1975

028591 64.8 Z12
The herbicides Treflan [trifluralin] and Lasso in winter rape. (Cze) Kolar, J; Jonak, F *Uroda* 23 (7): 255. July 1975

028592 64.8 Z12
Use of combined herbicides on a MCPA basis in cereals. (Cze) Bartoska, J *Uroda* 23 (4): 132-134. Apr 1975

028593 64.8 Z12
Use of Mixi-Tok S [herbicide] in maize against barnyard grass. (Cze) Benada, J *Uroda* 23 (7): 277-278. July 1975

028594 100 UT1F
Know your sagebrush [Artemisia]—and better your range. McDonough, W T; Harniss, R O; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 99-103. Sept 1975

028595 100 UT1F
Prescribed burning—effective control of sagebrush and open juniper [Artemisia, Juniperus, range management]. Ralphs, M; Schen, D; Busby, F; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 94-98. Sept 1975

028596 20 M66
The effect of prometryne on biological activity of the soil. (Bel) Padzionau, K P; Molchan, A P *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 49-51. 1975

028597 20 M66
Use of herbicides on cabbage. (Bel) Zhukava, P S; Rahozhnikau, V R *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 88-92. 1975

028598 292.9 AM34
The use of overwinter draw down for aquatic vegetation management [Acquatic weeds, control]. Nichols, S A *Water Resour Bull* 11 (6): 1137-1148. Map. Dec 1975

028599 79.8 W412
A study of sorption phenomena between two triazine herbicides and humic acids. (Fre) Gaillardon, P *Weed Res* 15 (6): 393-399. Ref. Eng. Sum. 5

028600 79.8 W412
Effect of soil placement and shoot uptake of prometryne and terbutryne on peas. Eshel, Y; Kovacs, M; Rubin, B *Weed Res* 15 (6): 369-372. Ref. 5

028601 79.8 W412
Effects of herbicides or mowing on musk thistle [Carduus nutans] seed production. McCarty, M K; Hatting, J L *Weed Res* 15 (6): 363-367. 5

028602 79.8 W412
Seedling establishment and vegetative spread of Cirsium arvense (L.) Scop. in Victoria, Australia. Amor, R L; Harris, R V *Weed Res* 15 (6): 407-411. 5

028603 79.8 W412
Shoot zone uptake of soil-applied herbicides in some legume species [Broadbeans, scarlet runner beans, vetch]. O'Donovan, J T; Prendeville, G N *Weed Res* 15 (6): 413-417. 5

028604 79.8 W412
The in vitro sensitivity of some species of Chlorophyceae [Algae] to a selected range of herbicides. Cullimore, D R *Weed Res* 15 (6): 401-406. Ref. 5

028605 79.8 W412
The kinetics of dissolution of atrazine, propazine and simazine in water. (Fre) Calvet, R; Terce, M; Le Renard, J *Weed Res* 15 (6): 387-392. Eng. Sum. 5

028606 79.8 W412
The selective control of grasses in red clover (Trifolium pratense) and lucerne (Medicago sativa) crops by carbetamide and propyzamide. Haggar, R J; Oswald, A K *Weed Res* 15 (6): 381-385. Ref. 5

028607 79.8 W41
A method for determining the volatility of herbicides. Grover, R *Weed Sci* 23 (6): 529-532. Nov 1975

028608 79.8 W41
Comparison of different soil leaching techniques with four herbicides. Wu, C H; Santelmann, P W *Weed Sci* 23 (6): 508-511. Ref. Nov 1975

028609 79.8 W41
Control of Canada thistle [Cirsium arvense] and field bindweed [Convolvulus arvensis] in asparagus. Ogg, A G Jr *Weed Sci* 23 (6): 458-461. Ref. Nov 1975

028610 79.8 W41
Control of green sagewort [Artemisia campestris] in the Nebraska sandhills [Herbicides]. Morrow, L A; McCarty, M K *Weed Sci* 23 (6): 465-469. Ref. Nov 1975

028611 79.8 W41
Control of winter annual weeds in white clover raised for seed. Lee, W O *Weed Sci* 23 (6): 441-444. Ref. Nov 1975

028612 79.8 W41
Cycloate and phenmedipham as complementary treatments in sugarbeets [Herbicides]. Dawson, J H *Weed Sci* 23 (6): 478-485. Ref. Nov 1975

028613 79.8 W41
Cytokinin effects induced in purple nutsedge [Cyperus rotundus] by perfluidone [Herbicides, control]. Bendixen, L E *Weed Sci* 23 (6): 445-447. Ref. Nov 1975

028614 79.8 W41
Differential intraspecific responses of soybean cultivars to bentazon [Herbicides]. Hayes, R M; Wax, L M *Weed Sci* 23 (6): 516-521. Ref. Nov 1975

028615 79.8 W41
Dissemination of weed seeds by irrigation water. Kelley, A D; Bruns, V F *Weed Sci* 23 (6): 486-493. Nov 1975

028616 79.8 W41
Effect of plant residue on herbicide performance in no-tillage corn. Erbach, D C; Lovely, W G *Weed Sci* 23 (6): 512-515. Nov 1975

028617 79.8 W41
Effects of herbicide treatments on the establishment of 'Tifway' bermudagrass [Cynodon]. Johnson, B J *Weed Sci* 23 (6): 462-464. Nov 1975

028618 79.8 W41
Influence of climate and additives on bentazon [Amaranthus retroflexus, control]. Nalewaja, J D; Pudelko, J; Adamczewski, K A *Weed Sci* 23 (6): 504-507. Nov 1975

028619 79.8 W41
Influence of soil moisture on tolerance of corn to cyanazine [Herbicides]. Kern, A D; Meggitt, W F; Penner, D *Weed Sci* 23 (6): 522-524. Nov 1975

028620 79.8 W41
Napropamide adsorption, desorption, and movement in soils. Wu, C H; Buehring, N; Davidson, J M; Santelmann, P W *Weed Sci* 23 (6): 454-457. Ref. Nov 1975

028621 79.8 W41
Response of weeds to soil pH [hydrogen-ion concentration]. Buchanan, G A; Hoveland, C S; Harris, M C *Weed Sci* 23 (6): 473-477. Nov 1975

028622 79.8 W41
Sorghum growth as affected by annual applications of atrazine [Herbicides]. Burnside, O C; Moomaw, R S *Weed Sci* 23 (6): 494-498. Nov 1975

028623 79.8 W41
Triallate granule spacing effect on oat. Ashford, R *Weed Sci* 23 (6): 470-472. Nov 1975

028624 79.8 W41
Uptake, distribution, and degradation of simazine by black walnut [Juglans nigra] and yellowpoplar [Liriodendron tulipifera] seedlings [Herbicides]. Wichman, J R; Byrnes, W R *Weed Sci* 23 (6): 448-453. Nov 1975

028625 79.8 W41
Wild oat control in Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne]. Lee, W O *Weed Sci* 23 (6): 525-528. Nov 1975

028626 421 Z1
Chemical weed control of seed plantings of perennial grasses. (Rus) Vadopalas, A I *Zashch Rast* 4: 25. Apr 1975

028627 421 Z1
Crop rotation and herbicides. (Rus) Sviridov, I S *Zashch Rast* 4: 22-23. Apr 1975

028628 421 Z1
Differentiated doses of 2,4-dichlorophenoxyacetic acid [on millet]. (Rus) Pashchenko, P D *Zashch Rast* 4: 20-21. Apr 1975

028629 421 Z1
Herbicides on cotton. (Rus) Aleev, B G *Zashch Rast* 4: 17-19. Apr 1975

028630 421 Z1
Herbicides on sugarbeets. (Rus) Borona, V P *Zashch Rast* 4: 19-20. Apr 1975

028631 421 Z1
Necessity of paying more attention to weed control of maize. (Rus) Fisiunov, A V *Zashch Rast* 4: 23-25. Apr 1975

028632 421 Z1
Use of aircraft for weed control in sugarbeets. (Rus) Bezkorovainyi, N A; Ivanov, IU V *Zashch Rast* 6: 18. June 1975

028633 421 Z1
Use of Phytomyza in Rostov Region [for Orobanche control]. (Rus) Kapralov, S I *Zashch Rast* 6: 22-23. June 1975

028634 421 Z1
Weed control in wheat. (Rus) Vlasenko, A N *Zashch Rast* 5: 33. May 1975

028635 421 Z1
1975 chemical weed control: task of obtaining maximum effect. (Rus) Izvekova, L M *Zashch Rast* 4: 4-6. Apr 1975

INSECT PESTS AND CONTROL—GENERAL AND MISCELLANEOUS PLANTS

028636 442.8 AN72
The role of the perrennial stinging nettle, Urtica dioica, as a reservoir of beneficial natural enemies [Predators, parasites and entomophagous fungi on Microlophium carnosum]. Perrin, R M *Ann Appl Biol* 81 (3): 289-297. Ref. Dec 1975

028637 420 EN82
Biology of Eupteromalus americanus: A hyperparasite of Bathyplectes curculionis. Best, R L; Simpson, R G *Ann Entomol Soc Am* 68 (6): 1117-1120. Nov 1975

420 F84
Taxonomic and biological remarks concerning Macrophya (Hymenoptera, Tenthredinidae) developing on Sambucus (Caprifoliaceae). (Fre) Chevin, H *Ann Soc Entomol Fr* 11 (2): 253-260. Eng. Sum. Apr-/June 1975

028638 464.8 AR2
The behaviour of aphids [Aphididae] as influenced by different plant species and their chemical treatment, related to the percentage of piercing specimens and to the short-term probes. (Ger) Lehmann, W; Claus, S; Karl, E *Arch Phytopathol Pflanzenschutz* 11 (4): 273-282. Ref. Eng. Sum. 1975

028639 S900.A8
Plague the pests [Insects, biological control]. Graham, F Jr *Audubon* 77 (5): 64-87. (14 P. Not Consecutive) Sept 1975

QH301.B55
A method for systematic screening of insecticide substances in fungi of the class Fungi imperfecti. Dobias, J; Nemec, P *Biologia, Ser C Vesobecna Biol* 30 (9): 727-732. 1975

028640 275.29 C76B
The European earwig [Forficula auricularia]. Savos, M G; Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-150, 1 P. June 1975

028641 421 C16
Dung burial activity and fly control potential of Onthophagus nuchicornis (Coleoptera: Scarabaeinae) in British Columbia. Macqueen, A *Can Entomol* 107 (11): 1215-1220. Ref. Nov 1975

028642 1.967 A2C78
The establishment of Coccinella septempunctata L. In the continental United States [Aphididae predators, biological control]. Angalet, G W; Jacques, R L; U.S. Animal and Plant Health Inspection Service Plant Protection and Quarantine Programs *Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div* 25 (45/48): 883-884. Nov 1975

475 SCI23
Centromeric sensitivity of mouse chromosomes to the systemic insecticide dimethoate (Rogor). Bhunya, S P; Behera, J *Curr Sci* 44 (23): 859-860. Dec 5, 1975

028643 475 SCI23
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura nuclear polyhedrosis virus [Insect pests, biological control]. Narayanan, K; Subramaniam, T R *Curr Sci* 44 (22): 814. Nov 20, 1975

028644 421 EN895
Activity of juvenile hormone analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. Granett, J; Weseloh, R M; Helgert, E *Entomol Exp Appl* 18 (3): 377-383. Ref. 1975

028645 421 EN895
Amblyseius bibens (Acarina: Phytoseliidae), a predator of spider mites (Tetranychidae) in Madagascar [Biological control]. Blommers, L; Etten, J van *Entomol Exp Appl* 18 (3): 329-336. 1975

421 EN895
Genetic variation in some enzyme systems in the tsetse fly Glossina morsitans. Geest, L P S van der; Kawooya, J *Entomol Exp Appl* 18 (4): 508-514. 1975

028646 QL461.E532
Xanthene dye-sensitized photooxidation in the black imported fire ant, Solenopsis richteri. Broome, J R; Callaham, M F; Heitz, J R *Environ Entomol* 4 (6): 883-886. Ref. Dec 1975

028647 TD1.E58
Biological control [of insect pests] and environmental quality. Van Den Bosch, R *Environ Qual Saf* 5: 36-38. Ref. 1975

028648 TD1.E58
Natural enemies as a control agent of [insect] pests and the environmental complexity from the theoretical and experimental points of view. Takahashi, F *Environ Qual Saf* 5: 39-47. 1975

028649 TD1.E58
Pheromones and related chemicals in some USDA insect control programs. Beroza, M *Environ Qual Saf* 5: 56-68. Ref. 1975

028650 QL289.F3
Cordyceps spp., as a parasite of insects [Coleoptera, Cordyceps entomorrhiza, biological control]. (Nor) Brabrand, A *Fauna, Nor Zool Foren Tidsskr* 28 (4): 205-207. Eng. Sum. 1975

028651 QL289.F3
The American dermestid beetle [Reesa vespulae], a pest [of zoological and botanical] museums. (Nor) Mehl, R *Fauna, Nor Zool Foren Tidsskr* 28 (4): 198-204. Map. Eng. Sum. 1975

028652 QR1.I53 1974
Distribution of viruses of the fall webworm [Hyphantria cunea] in soil. Hukuhara, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 658-665. 1974 (Pub. 1975)

028653 QR1.I53 1974
Multiple viral infections of insect cells and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, biological control]. Kurstak, E; Garzon, S; Onji, P A *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 650-657. Ref. 1974 (Pub. 1975)

028654 QR1.I53 1974
Selection and utilization of Bacillus thuringiensis strainsfor microbial control [of injurious insects]. Aizawa, K; Fujiyoshi, N; Ohba, M; Yoshikawa, N *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 597-606. Ref. 1974 (Pub. 1975)

QR1.I53 1974
Tetranactin, a pesticidal antibiotic [Control of insect andmite pests of plants]. Ando, K; Sagawa, T; Oishi, H; Suzuki, K; Nawata, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V.3): 630-640. Ref. 1974 (Pub. 1975)

028655 QR1.I53 1974
The nature of Bacillus thuringiensis endotoxin [Insect biological control]. Norris, J R; Somerville, H J *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 607-612. Ref. 1974 (Pub. 1975)

028656 S3.I5
Biological efficacy of some plant materials against Sitophilus oryzae Linnaeus. Khare, B P; Gupta, S B; Chandra, S *Indian J Agric Res* 8 (4): 243-248. Dec 1974

028657 SB605.T3T3
Insect pest occurrences in Tasmania, 1973/74. Martyn, E J; Hudson, N M; Hardy, R J; Terauds, A; Rapley, P E L; Williams, M A *Insect Pest Surv Tasmania Dep Agric* 7, 33 P. Jan 1975

442.9 AK124
Spatial distribution of phytophagous beetles in southeastern Karakum. (Rus) Begov, P *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 85-87. 1975

028658 420 EN823
Migration of the armyworm Persectania ewingii moths in spring and the origin of outbreaks. Helm, K F *J Aust Entomol Soc* 14 (3): 229-236. Map. Ref. Sept 29, 1975

028659 420 EN823
The suitability of Teleonemia prolixa (Stal) for biological control of Lantana camara in Australia. Harley, K L S; Kassulke, R C *J Aust Entomol Soc* 14 (3): 225-228. Sept 29, 1975

028660 448.3 J82
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. Nickerson, K W; Bulla, L A Jr; Mounts, T L *J Bacteriol* 124 (3): 1256-1262. Ref. Dec 1975

028661 SB270.J6
Evaluation of some insecticides for control of green bug [Coccus viridis] on coffee. Raju, K V; Chacko, M J *J Coffee Res* 5 (1/2): 36-37. Jan/Apr 1975

028662 421 J822
Beet armyworm [Spodoptera exiqua]: dosage-mortality studieson California and Florida strains. Cobb, P P; Bass, M H *J Econ Entomol* 68 (6): 813-814. Dec 15, 1975

028663 421 J822
Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and pea aphid [Acyrthosiphon pisum]. Summers, C G *J Econ Entomol* 68 (6): 864-866. Dec 15, 1975

028664 421 J822
Japanese beetles [Popillia japonica] attractancy of mixtures of lures containing phenethyl propionate and eugenol. Ladd, T L Jr; Buriff, C R; Beroza, m; McGovern, T P *J Econ Entomol* 68 (6): 819-820. Dec 15, 1975

028665 421 J822
Toxicity of carbaryl and diazinon to gypsy moth [Porthetriadispar] larvae: changes in relation to larval growth. Ahmad, S; Forgash, A J *J Econ Entomol* 68 (6): 803-806. Ref. Dec 15, 1975

028666 421 J826
A note on the isolation of Entomophthora [Fungi] species on artificial media [Insect pests, biological control]. Welton, M A; Tyrrell, D *J Invertebr Pathol* 26 (3): 405. Nov 1975

028667 421 J826
Production of resting spores of Entomophthora thaxteriana [Fungi, Biological control of pest insects]. Groner, A *J Invertebr Pathol* 26 (3): 393-394. Nov 1975

028668 421 M33
The development of the gall midge Lasioptera arundinis (Schiner) (Diptera, Cecidomyiidae) on the common reed (Phragmites communis Trin.). (Ger) Skuhravy, V *Marcellia* 38 (4): 287-298. Ref. Oct 1975

028669 20 M57
Chemical method as a component of integrated system of contrilling pests and diseases. (Rus) Novozhilov, K *Mezhdunar S-kh Zh* 6: 51-54. 1975

028670 1 AG84M
Association of plant hairs and insect resistance; an annotated bibliography. Webster, J A; U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1297, 18 P. Ref. Sept 1975

028671 421 M85
A new method of sampling ULV [ultra low volume] droplets [Insecticides]. Beidler, E J *Mosq News* 35 (4): 482-488. Dec 1975

028672 77.8 OL2
Use of a pathogenic germ in the control of Sibine fusca (Limacodidae) [Pests of oil-palms]. (Fre) Genty, P; Mariau, D *Oleagineux* 30 (8/9): 349-354. Eng. Sum. Aug/Sept 1975

56.8 P343
Occurrence and development of Agriotes lineatus (Coleoptera, Elateridae) in the European USSR [Agricultural soil pests]. (Ger) Kabanov, V A *Pedobiologia* 15 (2): 98-105. Ref. Eng. Sum. 1975

028673 464.9 P482
Large-scale occurrence of Syrphidae and Coccinellidae [Plant pests, Austria]. (Ger) Bohm, H *Pflanzenarzt* 28 (8): 99-100. Aug 1975

420 W27
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a seed predator of Cassia grandis L. (Caesalpiniaceae) in Central America. Whitehead, D R; Kingsolver, J M *Proc Entomol Soc Wash* 77 (4): 460-465. Dec 1975

028674 513 IN25B
Bioassay of nuclear polyhedrosis virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. Komolpith, U; Ramakrishanan, N *Proc Indian Acad Sci, Sec B* 82 (5): 195-203. Ref. Nov 1975

028675 79.9 N213
Current projects on biological control of insects [Crops]. Valentine, E W *Proc N Z Weed Pest Control Conf* 28th: 193-195. 1975

028676 S293.C6N31
Integrated pest control research project. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 180-187. 1974

028677 S293.C6N31
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to light and gravity. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 155-164. 1974

028678 S293.C6N31
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to young and old leaves, upper and lower surfaces of leaf. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 165-169. 1974

028679 382 P97
Insect antifeeding substances in plant leaves. Munakata, K *Pure Appl Chem* 42 (1/2): 57-66. Ref. 1975

028680 24 R34
Aerial control of red locusts [Nomadacris septemfasciata]. Malujlo, T *Rhod Agric J* 72 (5): 119-126. Ref. Sept/Oct 1975

028681 1 AG84TE
Host records for Lepidoptera reared in eastern North America. Ferguson, D C; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1521, 49 P. Ref. Dec 1975

028682 464.9 B64
Investigatons on taxonomy, host plants and distribution of the long-horned beetles (Cerambycidae-Coleoptera) in Aegean Region. (Tur) Gul-Zumreoglu, S *Tek Bul Bornova Zirai Mucadele Enst* 28, 208 P. Ref. Eng. Sum. 1975

028683 RA1190.T69
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. Sabine, J R *Toxicology* 5 (2): 221-235. Ref. Nov 1975

028684 508 Z8
Control of insect pests with bacteria, the entomophagous Bacillus species, Bacillus thuringiensis and Bacillus popilliae. (Ger) Luthy, P *Vierteljahrsschr Naturforsch Ges Zurich* 120 (2): 82-163. Ref. Eng. Sum. June 1975

028685 421 Z36
Mass-rearing of Chrysopa carnea Steph. (Neuroptera, Chrysopidae) [Insect pests, biological control]. (Ger) Hassan, S A *Z Angew Entomol* 79 (3): 310-315. Eng. Sum. Nov 1975

028686 421 Z36
On variation of preoviposition period in Utetheisa pulchella L. (Lepidoptera, Arctiidae) [Pest of Crotolaria juncea]. Pandey, P N; Nath, G *Z Angew Entomol* 79 (3): 270-275. Nov 1975

028687 421 Z36
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the eggs of Anagasta kuehniella Zeller [Insect pests, biological control]. Farghaly, H T *Z Angew Entomol* 79 (3): 332-335. Nov 1975

028688 421 Z36
Studies on the population of Sitona (Coleoptera, Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the population fluctuations of Sitona lividipes Fhs. el-Dessouki, S A; el-Kifl, A H; el-Awady, S *Z Angew Entomol* 79 (3): 250-269. Ref. Nov 1975

028689 464.8 Z3
Effect of the new insecticide PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. (Coleoptera, Chrysomelidae). (Ger) Holst, H *Z Pflanzenkr Pflanzenschutz* 82 (1): 1-7. Eng. Sum. 1975

028690 464.8 Z3
On resting spores of insect-pathogenic Entomophthoraceae (Zygomycetes). I. Production of resting spores of Entomophthora thaxteriana (Petch) Hall et Bell. (Ger) Groner, A *Z Pflanzenkr Pflanzenschutz* 82 (1): 22-29. Ref. Eng. Sum. 1975

028691 421 Z1
Beneficial insects [Plant pest control]. (Rus) Bushkovskaia, L M; Titov, D A *Zashch Rast* 5: 62-63. May 1975

028692 421 Z1
Little-known pest of cacao beans [Mussidia nigrivenella]. (Rus) Varshalovich, A A *Zashch Rast* 2: 26. Feb 1975

028693 421 Z1
Resistant [crop] varieties as the basis of integrated methods [of insect pests control]. (Rus) Shapiro, I D *Zashch Rast* 1: 4-6. Jan 1975

028694 421 Z1
Stethorus as a predator of the spider mite [Tetranychidae, biological control]. (Rus) Pavlova, G A *Zashch Rast* 1: 23-24. Jan 1975

028695 421 Z1
Tachinidae as parasites of insect pests [of plants; natural control]. (Rus) Rikhter, V A *Zashch Rast* 2: 46-48. Feb 1975

INSECT PESTS AND CONTROL—FIELD CROPS

028696 QH301.A28
Aphid transmission and epidemiology of barley yellow dwarf and maize dwarf mosaic in southern France. (Fre) Lelant, F; Lauriaut, F; Renoust, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 27-40. Ref. Eng. Sum. 1974

QH301.A28
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. Lovisolo, O; Luisoni, E; Conti, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 1-8. Ref. 1974

028697 QH301.A28
Laodelphax striatellus as a vector of two cereal viruses in Italy. Conti, M *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 49-54. Ref. 1974

028698 QH301.A28
Planthopper-transmitted virus diseases of cereals in Sweden. Lindsten, K *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 55-66. Map. 1974

QH301.A28
Problems and possibilities for control of BYDV [barley yellow dwarf virus] in Britain [Aphids, vectors]. Plumb, R T *Acta Biol Iugosl, Ser B Mikrobiol* 11 (1): 41-47. Ref. 1974

028699 451 SO16
Influence of hydroxyurea on nucleic acids content and 3H [tritium]-uridine incorporation in callus and tumorous tobaccotissues and cultured in vitro. Bilecka, A *Acta Soc Bot Pol* 44 (3): 392-405. Ref. 1975

028700 1.98 AG84
Defending soybeans [against insects and diseases], naturally [Biological control]. U.S. Agricultural Research Service *Agric Res* 24 (6): 8-11. Dec 1975

028701 1.98 AG84
Plague fights plague [Nosema locustae control of grasshoppers on forage crops, biological control]. U.S. Agricultural Research Service *Agric Res* 24 (7): 5. Jan 1976

028702 S15.A395
Evaluation of Bacillus thuringiensis Berliner and insecticides in the control of larvae of Maculella spp. (Lepidoptera, Hepialidae) in pastures. (Spa) Carrillo Ll, R; Mundaca B, N *Agro Sur* 3 (1): 54-62. Ref. Eng. Sum. 1975

028703 4 AM34P
Yield and quality losses due to alfalfa weevil [Hypera postica]. Liu, B W Y; Fick, G W *Agron J* 67 (6): 828-832. Ref. Nov/Dec 1975

028704 410 M58
Variation in food preferences of three grasshopper species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. Mitchell, J E *Am Midl Nat* 94 (2): 267-283. Ref. Oct 1975

442.8 AN72
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. Cockbain, A J; Cook, S M; Bowen, R *Ann Appl Biol* 81 (3): 331-339. Ref. Dec 1975

028705 420 EN82
A comparison of predation by the pentatomids, Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, Epilachna varivestis Mulsant [pest of soybeans]. Waddill, V; Shepard, M *Ann Entomol Soc Am* 68 (6): 1023-1027. Nov 1975

028706 420 EN82
Alternate sources of protein for Heliothis zea wheat germ diet. Brewer, F D; Tidwell, A L Jr; Martin, D F *Ann Entomol Soc Am* 68 (6): 1047-1049. Nov 1975

028707 420 EN82
Biology of Dinarmus acutus, a chalcidoid parasite of the vetch bruchid [Biological control]. Leong, K L; Dickason, E A *Ann Entomol Soc Am* 68 (6): 943-948. Nov 1975

028708 420 EN82
Influence of genetic selection on diapause termination of the pink bollworm [Pectinophora gossypiella]. Langston, D T; Watson, T F *Ann Entomol Soc Am* 68 (6): 1102-1106. Ref. Nov 1975

028709 420 EN82
Influence of temperature on adult biology and population growth of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. Engroff, B W; Watson, T F *Ann Entomol Soc Am* 68 (6): 1121-1125. Ref. Nov 1975

028710 420 EN82
Life tables for the frit fly, Oscinella frit, in reed canarygrass [Phalaris] in Virginia. Allen, W A; Pienkowski, R L *Ann Entomol Soc Am* 68 (6): 1001-1007. Ref. Nov 1975

028711 420 EN82
Seasonal vertical movement of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. Fisher, J R; Keaster, A J; Fairchild, M L *Ann Entomol Soc Am* 68 (6): 1071-1073. Ref. Nov 1975

028712 ASB599.A3U5
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. U.S. Animal and Plant Health Inspection Service *APHIS-81 U S Anim Plant Health Insp Serv* 2-3, 16 P. Apr 1974

028713 100 AR42F
Small plot tests of insecticidal sprays for bollworm-budworm [Heliothis zea-Heliothis virescens] control on cotton. Dean, G; Lincoln, C; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 6. Nov/Dec 1975

028714 23 AU783
Dispersal of 32 P[phosphorus isotope]-treated larvae of Spodoptera litura and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the wind direction]. Persson, B *Aust J Agric Res* 26 (6): 985-988. Nov 1975

028715 421 C16
A comparison of the reproductive patterns of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: Aphididae) [Broadbean pests]. Mackay, P A; Wellington, W G *Can Entomol* 107 (11): 1161-1166. Ref. Nov 1975

028716 1.967 A2C78
Romanian references on the European corn borer Ostrinia (pyrausta) nubilalis (Hubner) [Bibliographies]. Perju, T comp; Mustea, D comp; U.S. Animal and Plant Health Inspection Service Plant Protection and Quarantine Programs *Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div* 25 (45/48): 885-890. Ref. Nov 1975

028717 SB251.I5C6
Bollworm (Heliothis sp.) control on rainfed cotton of tinnies tract of Tamil Nadu. Sivasubramanian, V; Ramanathapillai, O; Iyemperamal, S; Janagarajan, A; Srinivasan, S *Cotton Dev* 4 (3): 21-24. Oct 1974

028718 SB251.I5C6
Evaluation of some insecticidal combination against sucking pests [aphids, mites] of cotton through aerial spraying. Shah, A H; Vora, V J; Godhania, K P *Cotton Dev* 4 (3): 27-28. Oct 1974

028719 475 SCI23
Inheritance of gall midge (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. Prasad, K; Chatterji, S M; Misra, B C *Curr Sci* 44 (17): 636-637. Sept 5, 1975

028720 475 SCI23
Natural occurrence of milky disease bacterium, Bacillus popilliae Dutky on white grubs in India [Sugarcane pests]. David, H; Alexander, K C *Curr Sci* 44 (22): 819-820. Nov 20, 1975

028721 421 EN895
A strain producing abundant brachypterous adults in Nilaparvata lugens (Homoptera: Delphacidae) [Rice pests]. Mochida, O *Entomol Exp Appl* 18 (4): 465-471. Ref. 1975

028722 421 EN895
Isolation, identification and synthesis of host-seeking stimulants for cardiochiles nigriceps, a parasitoid of tobacco budworm [Heliothis virescens]. Vinson, S B; Jones, R L; Sonnet, P E; Bierl, B A; Beroza, M *Entomol Exp Appl* 18 (4): 443-450. Ref. 1975

028723 QL461.E554
Incidence of Anisopteromalus calandrae Howard (Hymenoptera: Pteromalidae) on Sitophilus oryzae Linnaeus. Dhaliwal, G S *Entomol Newsl* 5 (4): 23. Apr 1975

028724 QL461.E532
Association of sclerotial blight [Sclerotium rolfsii] with Spissistilus festinus girdling injury on soybean. Herzog, D C; Thomas, J W; Jensen, R L; Newsom, L D *Environ Entomol* 4 (6): 986-988. Ref. Dec 1975

028725 QL461.E532
Attractants for monitoring Pectinophora scutigera and related species in Australia [Cotton]. Rothschild, G H L *Environ Entomol* 4 (6): 983-985. Dec 1975

028726 QL461.E532
Boll weevil [Anthonomus grandis] oviposition behavior: multiple punctured squares [Cotton lines]. Jenkins, J N; Parrott, W L; Jones, J W *Environ Entomol* 4 (6): 861-867. Ref. Dec 1975

028727 QL461.E532
Desert termite [Gnathamitermes tubiformans] control in a shortgrass prairie: effect on soil physical properties. Spears, B M; Ueckert, D N; Whigham, T L *Environ Entomol* 4 (6): 899-904. Ref. Dec 1975

028728 QL461.E532
European corn borer [Ostrinia nubilalis] and redbanded leafroller [Argyrotaenia velutinana]: disruption of reproduction behavior [Cornfields, oatfield]. Klun, J A; Chapman, O L; Mattes, K C; Beroza, M *Environ Entomol* 4 (6): 871-876. Ref. Dec 1975

028729 QL461.E532
Evaluation of commercial corn hybrids for tolerance to corn rotworm [Diabrotica]. Rogers, R R; Owens, J C; Tollefson, J J; Witkowski, J F *Environ Entomol* 4 (6): 920-922. Ref. Dec 1975

028730 QL461.E532
Feeding damage to several leguminous and non-leguminous plants by the Egyptian alfalfa weevil [Hypera brunneipennis]. Cothran, W R; Coviello, R L; Christensen, J B *Environ Entomol* 4 (6): 997-1000. Dec 1975

028731 QL461.E532
Field survival of diapausing Bathyplectes curculionis, a parasite of the alfalfa weevil [Hypera postica]. Cherry, R H; Armbrust, E J *Environ Entomol* 4 (6): 931-934. Ref. Dec 1975

028732 QL461.E532
Incidence of paedogenesis in the greenbug [Schizaphis graminum, sorghum]. Wood, E A Jr; Starks, K J *Environ Entomol* 4 (6): 1001-1002. Dec 1975

028733 QL461.E532
Increases of Heliothis spp. In cotton under various insecticide treatment regimes. Van Steenwyk, R A; Toscano, N C; Ballmer, G R; Kido, K; Reynolds, H T *Environ Entomol* 4 (6): 993-996. Ref. Dec 1975

028734 QL461.E532
Insect sex pheromones: intraspecific pheromonal variability of Ostrinia nubilalis in North America and Europe [Maize]. Klun, J A *Environ Entomol* 4 (6): 891-894. Dec 1975

028735 QL461.E532
Overwinter survival and spring emergence of the bollworm [Heliothis zea] in Arkansas [Cotton]. Slosser, J E; Phillips, J R; Herzog, G A; Reynolds, C R *Environ Entomol* 4 (6): 1015-1024. Ref. Dec 1975

028736 QL461.E532
Parasitoids associated with lepidopterous pests on peanuts; Oklahoma fauna [Natural control agents]. Wall, R; Berberet, R C *Environ Entomol* 4 (6): 877-882. Ref. Dec 1975

028737 QL461.E532
Preference of Lysiphlebus testaceipes [parasitoid] for greenbug [Schizaphis graminum] resistant and susceptible small grain species. Schuster, D J; Starks, K J *Environ Entomol* 4 (6): 887-888. Dec 1975

028738 QL461.E532
Suppression of Mexican bean beetle [Epilachna varivestis] on soybeans with annual inoculative releases of Pediobius foveolatus. Stevens, L M; Steinhauer, A L; Coulson, J R *Environ Entomol* 4 (6): 947-952. Maps. Dec 1975

028739 420 F662
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of sperm and on mating of the tobacco budworm[Heliothis virescens]. Souka, S; Guerra, A A; Garcia, R D; Wolfenbarger, D A; De La Rosa, H H *Fla Entomol* 58 (4): 307-311. Ref. Dec 1975

028740 420 F662
Nomuraea rileyi [Fungi] attacking the velvetbean caterpillar, Anticarsia gemmatalis [pest of soybeans] in Parana, Brazil [Natural control]. Correa, B S; Smith, J G *Fla Entomol* 58 (4): 280. Dec 1975

028741 420 F662
Southern corn rootworm [Diabrotica undecimpunctata howardi]eggs in soybean fields. Mayse, M A; Waldbauer, G P; Maddox, J V *Fla Entomol* 58 (4): 296. Dec 1975

028742 100 G295
Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. Tippins, H H; Dupree, M; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 4-5. Summer 1975

028743 TP371.8.P357 1974
United States potentials and problems for insect disinfestation of wheat and sprout inhibition of potatoes by irradiation. Deitch, J *In Requirements for the Irradiation of Food on a Commercial Scale, Proceedings of a Panel* P. 13-29. Ref. 1974 (Pub. 1975)

028744 275.29 SO8I
Cotton pest management [Insects]. Sparks, L M; Hays, S B; Clemson University Extension Service *Inf Card Clemson Univ Ext Serv* 97, Rev., 11 P. Feb 1975

442.9 AK124
Faunal characterization of cotton fields agrogeobios in the Murgab oasis [Arthropa, including pests]. (Rus) Kamalov, K *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 69-74. Eng. Sum. 1975

028745 442.9 AK124
The effect of cotton sowing policy on the dynamics of harmful and useful Arthropoda populations. (Rus) Kamalov, K *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 67-72. 1975

028746 421 J822
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. Widstrom, N W; Sparks, A N; Lillehoj, E B; Kwolek, W F *J Econ Entomol* 68 (6): 855-856. Dec 15, 1975

028747 421 J822
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of Lepidopterous pests of soybeans [Biological control]. Sprenkel, R K; Brooks, W M *J Econ Entomol* 68 (6): 847-851. Ref. Dec 15, 1975

028748 421 J822
Boll weevil [cotton pests, control]: survival in hibernation cages and in surface woods trash in central Texas. Davis, J W; Cowan, C B Jr; Parencia, C R Jr *J Econ Entomol* 68 (6): 797-799. Dec 15, 1975

028749 421 J822
Clover root curculio [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, yield, and root damage. Neal, J W Jr; Ratcliffe, R H *J Econ Entomol* 68 (6): 824-831. Dec 15, 1975

028750 421 J822
Effects of simulated damage by midges [Conatarinia texana] on seed production by guar. Rogers, C E *J Econ Entomol* 68 (6): 832-834. Dec 15, 1975

028751 421 J822
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. Scriber, J M; Tingey, W M; Gracen, V E; Sullivan, S L *J Econ Entomol* 68 (6): 823-826. Dec 15, 1975

028752 421 J822
Phenotypic deviants in the ebony genotype in the boll weevil [Cotton pests, control] [Anthonomus grandis]. McCoy, J R *J Econ Entomol* 68 (6): 775-776. Dec 15, 1975

028753 421 J822
Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL [black light] traps. Mitchell, E R; Chalfant, R B; Greene, G L; Creighton, C S *J Econ Entomol* 68 (6): 747-750. Dec 15, 1975

028754 421 J822
Suppression of Heliothis spp. With cottons containing combinations of resistant characters [Heliothis zea, Heliothis virescens]. Lukefahr, M J; Houghtaling, J E; Cruhm, D G *J Econ Entomol* 68 (6): 743-746. Dec 15, 1975

028755 421 J822
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] methyl parathion [on cotton]. Scott, W P; LLoyd, E P *J Econ Entomol* 68 (6): 827-828. Dec 15, 1975

028756 421 J822
Transportation and culture of Tytthus mundulus [egg predator of the sugarcane leafhopper, Perkinsiella saccharicida in Australia]. Stephens, G S *J Econ Entomol* 68 (6): 753-754. Dec 15, 1975

028757 421 J826
A natural epizootic of a coccidian in a population of the Egyptian alfalfa weevil, Hypera brunneipennis, and the alfalfa weevil, Hypera postica. Merritt, C M; Thomas, G M; Christensen, J *J Invertebr Pathol* 26 (3): 413-414. Nov 1975

028758 421 J826
Pathogenicity of the corn stunt agent to an insect vector, Dalbulus elimatus. Granados, R R; Meehan, D J *J Invertebr Pathol* 26 (3): 313-320. Ref. Nov 1975

028759 SB951.A1J3
1974 Evaluation of candidate pesticides. Insecticides: rice. Iwata, T *Jap Pestic Inf* 24: 5-8. July 1975

028760 72.8 K522
Clover cutworm [Scotogramma trifolii] on cotton. (Rus) Mirzalieva, Kh R *Khlopkovodsto* 6: 22-23, 26. June 1975

028761 72.8 K522
Combined utilization of insecticides and fertilizers [in cotton growing]. (Rus) Deriabin, V I *Khlopkovodsto* 5: 24-25. May 1975

028762 72.8 K522
Cooperation of science and production [Integrated control of cotton pests]. (Rus) Narzikulov, M N; Umarov, Sh A; Kononenko, A P; Gafarov, S; Shukrullaev, S; Rakhimov, E *Khlopkovodsto* 9: 29-30. Sept 1975

028763 72.8 K522
Low-volume spraying of stands with dendrobacillin [for biological control of lepidopteran cotton pests]. (Rus) Rasulov, F K *Khlopkovodsto* 5: 25-26. May 1975

028764 72.8 K522
Progressive methods of cotton pests control. (Rus) Eremiants, N M; Adylov, Z K; Sharafutdinov, Sh A *Khlopkovodsto* 5: 22-23. May 1975

028765 72.8 K522
The system of integrated protection [of cotton from pests]-how should it be organized. (Rus) Uspenskii, F M *Khlopkovodsto* 6: 21-22. June 1975

028766 72.8 K522
Two forms of cotton damage by spider mites [Tetranychus turkestani]. (Rus) De-Millo, A P *Khlopkovodsto* 8: 23-24. Aug 1975

028767 72.8 K522
[Chemical] preparations against aphids [Cotton pest control]. (Rus) Gasanov, M M *Khlopkovodsto* 5: 24. May 1975

028768 59.8 L39
The root maggot [Oryzophagus oryzae, rice]. (Por) Ishiy, T *Lav Arroz* 28 (285): 30-31. June 1975

028769 1 AG84L
Preventing greenbug [Schizaphis graminum] outbreaks [on small grains and sorghum]. Starks, K J; Wood, E A Jr; Burton, R L; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 309, Rev., 8 P. Feb 1975

028770 SB951.P47
Persistence of gamma-BHC [lindane] and beta-BHC [benzene hexachloride] in Indian rice soils under flooded conditions. Siddaramappa, R; Sethunathan, N *Pestic Sci* 6 (4): 395-403. Ref. Aug 1975

028771 1.9 P69P
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. Yang, S L; Zettler, F W; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 902-905. Ref. Nov 1975

028772 79.9 N213
A comparison of chemicals for the control of Nysius [huttoni] on brassicas [fodder crops]. Trought, T E T *Proc N Z Weed Pest Control Conf* 28th: 226-229. 1975

028773 79.9 N213
Chemical control of pasture pests [Wiseana, Costelytra zealandica] on the West Coast [South Island]. French, R A; Pottinger, R P *Proc N Z Weed Pest Control Conf* 28th: 258-261. 1975

028774 79.9 N213
Control of grass grub [Costelytra zealandica] in Otago and Southland. Stewart, K M *Proc N Z Weed Pest Control Conf* 28th: 255-257. 1975

028775 79.9 N213
Control of porina caterpillar [Wiseana] with leptophos [Pastures]. Logan, I C; O'Connor, B P; McLaughlan, W T *Proc N Z Weed Pest Control Conf* 28th: 217-220. 1975

028776 79.9 N213
Control of white-fringed weevil [Graphognathus leucoloma] adults with insecticides [pests of pastures and lucerne]. East, R; Welsh, R D; Miller, C M *Proc N Z Weed Pest Control Conf* 28th: 213-216. 1975

028777 79.9 N213
Corn ear worm [Helicoverpa armigera conferta] control with phenthoate. Ridler, R D *Proc N Z Weed Pest Control Conf* 28th: 234-235. 1975

028778 79.9 N213
Effect of ground cover and pasture height on oviposition and establishment of soldier fly larvae [Inopus rubriceps]. Kain, W M; Burton, G *Proc N Z Weed Pest Control Conf* 28th: 237-241. 1975

028779 79.9 N213
Effect of two soil types on insecticide activity against black beetle [Heteronychus arator] adults [Maize]. Watson, R N; Webber, K *Proc N Z Weed Pest Control Conf* 28th: 119-120. 1975

028780 79.9 N213
Evaluation of carbofuran for the control of soldier fly [Inopus rubriceps] larvae in pasture. Rowe, G R; Mackay, A G *Proc N Z Weed Pest Control Conf* 28th: 242-247. 1975

028781 79.9 N213
Insecticide screening trials against black beetle [Heteronychus arator, pastures, maize]. Watson, R N; Webber, K *Proc N Z Weed Pest Control Conf* 28th: 264-267. 1975

028782 79.9 N213
Notes on the biology and distribution of three recently discovered exotic weevil pests [Atrichonotus taeniatulus, Floresianus sordidus, Sitona humeralis] in Hawkes Bay pastures]. Esson, M J *Proc N Z Weed Pest Control Conf* 28th: 208-212. 1975

028783 79.9 N213
Resistance of lucerne to black beetle [Heteronychus arator]. King, P D; Mercer, C F; Stirling, J; Meekings, J S *Proc N Z Weed Pest Control Conf* 28th: 262-263. 1975

028784 79.9 N213
The effect of two pathogens [Adelina, RNA virus] on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. Archibald, R D; Longworth, J F; King, P D; Mercer, C F *Proc N Z Weed Pest Control Conf* 28th: 200-204. Map. 1975

028785 79.9 N213
The effectiveness of insecticides seed dressings against soldier fly [Inopus rubriceps] larvae [Lolium perenne]. Dixon, G M; Parr, J *Proc N Z Weed Pest Control Conf* 28th: 248-250. 1975

028786 79.9 N213
The use of phorate, AC 92/100 and chlormephos for the control of larval soldier fly [Inopus rubriceps] in maize. Saunders, D G *Proc N Z Weed Pest Control Conf* 28th: 251-253. 1975

028787 S293.C6N31
A study on resistance development of the American bollworm [Heliothis armigera] to some pesticides. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 170-179. Ref. 1974

028788 S293.C6N31
Anatomical study of leaf lesions on three varieties of rice as a result of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 132-137. Eng. Sum. 1974

028789 S293.C6N31
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. (Tha) Ruayaree, S; Inoue, H; Hengsawad, C; Patirupanusara, P *Proc Natl Conf Agric Biol Sci* 13: 144-150. 1974

028790 S293.C6N31
Study on reaction of rice to rice stem borers. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 138-143. Ref. 1974

028791 SB29.K8A3
Population fluctuations of Oriental tobacco budworm (Heliothis assulta G.) in black light-traps and field control studies. (Kor) Lee, H Y; Choi, C I; Lee, S C; So, J S *Res Rep Off Rural Dev (Suwon)* 17: 25-31. Ref. Eng. Sum. Aug 1975

028792 SF1.R54
The European corn borer [Ostrinia nubilalis, control]. (Ita) Piccolo, L *Rilancio Agric Vet Zootec* 6 (5/6): 30-32. 1974

028793 409.6 SO8
Bionomics of Sibinia sulcatula (Coleoptera: Curculionidae) on mesquite [Prosopis glandulosa] in Texas. Rogers, C E; Clark, W E; Burke, H R *Southwest Nat* 20 (3): 303-314. Map. Oct 10, 1975

028794 464.9 B64
Investigations on the biology, distribution, economical importance and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli [Pest of cereals]. (Tur) Kaya, A O *Tek Bul Bornova Zirai Mucadele Enst* 24, 40 P. Ref. Eng. Sum. 1975

028795 385 K54
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), sex attractant of the cotton moth [Pectinophora gossypiella, control]. (Rus) Myrsina, R A; Semeniuk, N L *Ukr Khim Zh* 41 (10): 1068-1070. Oct 1975

028796 20 V82
Use of insecticides on red clover seed plants [Apion apricans, control]. (Ukr) Mats'kiv, O I; IAkuts, O M *Visn Sil's'kohospod Nauki* 9: 77-80. Sept 1975

028797 421 Z36
A population study of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: Cercopidae) in Mexican Pangola pastures. Oomen, P A *Z Angew Entomol* 79 (3): 225-238. Ref. Nov 1975

028798 421 Z36
Soybean plant response to the attack of Oberea brevis Swed. (Coleoptera, Cerambycidae). Gangrade, G A; Singh, O P *Z Angew Entomol* 79 (3): 285-290. Nov 1975

028799 421 Z36
Studies on the biology of sorghum shoot flies, Atherigona spp. (Muscidae: Diptera), and shoot fly-sorghum host plant relationships. Taksdal, G; Baliddawa, C W *Z Angew Entomol* 79 (3): 239-249. Ref. Nov 1975

028800 421 Z36
The damage and damage threshold assessments of Thrips tabaci to cotton. el-Saadany, G; el-Shaarawy, M F; el-Refaei, S *Z Angew Entomol* 79 (3): 281-284. Nov 1975

028801 421 Z36
The economic threshold of infestation for the cotton bollworms [Pectinophora gossypiella, Earias insulana] on yield in Egypt. el-Shaarawy, M F; el-Saadany, G; el-Refaei, S A *Z Angew Entomol* 79 (3): 276-281. Nov 1975

028802 421 Z1
Agrotechnical measures for control of Eurygaster integriceps [Cereal pests]. (Rus) Pavlov, I F *Zashch Rast* 5: 16-18. May 1975

028803 421 Z1
Aphids as components of the cotton field biocenosis [Pests]. (Rus) Narzikulov, M N *Zashch Rast* 1: 7-9. Jan 1975

028804 421 Z1
Reduction of the number of corn borers [Pyrausta nubilalis, control, Chernovtsy Region]. (Rus) Diadechko, N P; Sabluk, V T *Zashch Rast* 1: 21. Jan 1975

028805 421 Z1
Regional treatments for control of Eurygaster integriceps [Wheat pests, Kazakhstan]. (Rus) Til'menbaev, A T; Beksultanov, S Z *Zashch Rast* 5: 18-19. May 1975

028806 421 Z1
Role of agronomic techniques in reducing the numerical strength of the wheat flower mite [Steneotarsonemus panshini]. (Rus) Badulin, A V; Lomtev, A V *Zashch Rast* 2: 31-32. Feb 1975

028807 421 Z1
Smaller output of spray and higher productiveness of labor [Sugarbeet pest control, weevils]. (Rus) Prokopenko, S F; Petrukha, O I; Bystrova, V L; Vasilevskii, V D *Zashch Rast* 4: 28-30. Apr 1975

028808 421 Z1
The winter fly [Leptohylemyia coarctata], a pest of winter wheat in the German Democratic Republic. (Rus) Wetzel, T *Zashch Rast* 6: 50. June 1975

INSECT PESTS AND CONTROL—HORTICULTURAL CROPS

028809 80 AC82
Bulb scale mite (Steneotarsonemus laticeps) on Narcissus in the United Kingdom. Murdoch, G *Acta Hortic* 47: 157-163. June 1975

028810 10 G79LA
Carrot fly [Psila rosae]. *Advis Leafl Minist Agric Fish Food (Edinb)* 68, Rev., 10 P. Apr 1975

028811 97.31 AM32
Camellia mining scale Duplaspidiotus claviger (Cockerell) (Diaspididae: Homoptera). Dekle, G W; Kuitert, L C *Am Camel Yearb* P. 9-14. Map. 1975

028812 80 N216
Licking the bug problem in 1975 [Gardens, insect pest control]. Youngman, B *Am Hortic* 54 (5): 12-13. Oct 1975

028813 442.8 AN72
A comparison of the effectiveness of insecticides against glasshouse whitefly (Trialeurodes vaporariorum). Wardlow, L R; Ludlam, F A B; Hammon, R P *Ann Appl Biol* 81 (3): 433-435. Dec 1975

028814 420 EN82
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of arthropod pests on ornamentals. Wheeler, A G Jr; Stinner, B R; Henry, T J *Ann Entomol Soc Am* 68 (6): 1063-1068. Ref. Nov 1975

028815 420 EN82
Cuticular encystment: a unique and effective defense reaction by cabbage looper larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). Arthur, A P; Ewen, A B *Ann Entomol Soc Am* 68 (6): 1091-1094. Nov 1975

028816 420 EN82
Elimination of ovarian diapause in pear psylla, Psylla pyricola (Homoptera: Psyllidae), in the laboratory. Fields, G J; Zwick, R W *Ann Entomol Soc Am* 68 (6): 1037-1038. Nov 1975

028817 420 EN82
Host race formation among sympatric apple, walnut, and plum populations of the codling moth, Laspeyresia pomonella. Phillips, P A; Barnes, M M *Ann Entomol Soc Am* 68 (6): 1053-1060. Ref. Nov 1975

028818 420 EN82
Influence of temperature on population increase of Tetranychus mcdanieli (Acarina: Tetranychidae) [Apples]. Tanigoshi, L K; Hoyt, S C; Browne, R W; Logan, J A *Ann Entomol Soc Am* 68 (6): 972-978. Ref. Nov 1975

028819 420 EN82
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) [Integrated mite control, Tetranychus mcdanieli, apples]. Tanigoshi, L K; Hoyt, S C; Browne, R W; Logan, J A *Ann Entomol Soc Am* 68 (6): 979-986. Ref. Nov 1975

028820 420 EN82
Key to the eight species of coexisting Erythroneura leafhoppers (Homoptera: Cicadellidae) on American sycamore [Platanus occidentalis]. McClure, M S *Ann Entomol Soc Am* 68 (6): 1039-1043. Ref. Nov 1975

028821 420 EN82
Reproductive differences between laboratory-reared and field-collected populations of the Mediterranean fruitfly, Ceratitis capitata [Insect pests, fruit]. Rossler, Y *Ann Entomol Soc Am* 68 (6): 987-991. Ref. Nov 1975

028822 420 F84
Study of the Paris region entomological fauna in apple treeorchards with the aid of colored traps. (Fre) Vincent, J J *Ann Soc Entomol Fr* 11 (2): 303-334. Ref. Eng. Sum. Apr/June 1975

028823 93.33 SH62B
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard [Insect pests, biological control]. (Jpn) Takeuchi, S; Nishino, M *Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap* 12: 49-59. Ref. Eng. Sum. Mar 1975

028824 505 P21 (3)
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of egg laying and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). (Fre) Leroi, B *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1015-1018. Eng. Sum. Oct 6, 1975

028825 505 P21 (3)
Study on the locomotion determinism of the first stage larvae of Acrolepiopsis (Acrolepia) assectella Zell. (Lepidoptera) inside the host plant [Leeks]. (Fre) Thibout, E *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1039-1042. Eng. Sum. Oct 6, 1975

028826 450 C113
Mealy-bugs [Pests of ornamental plants]. Harris, W V *Cac Suc J G B* 37 (4): 90-91. Nov 1975

028827 421 C16
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with sex pheromone traps [Apple pests]. Proverbs, M D; Logan, D M; Newton, J R *Can Entomol* 107 (12): 1265-1269. Dec 1975

464.9 C16S
Virus infection of potato seed stocks [by Myzus persicae] in Ontario under commercial insect-control practices. Rowberry, R G; Johnston, G R *Can Plant Dis Surv* 55 (1): 15-18. 1975

028828 Q33.C5
Failure of Bemisia tabaci to breed on cassava plants in Brazil (Homoptera: Aleyrodidae). Costa, A S; Russel, L M *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 388-390. Apr 1975

028829 80 C49
Citrus care by air in St. Lucie County—1974 [Insect pest control]. Bullock, R C; Gaver, T P *Citrus Ind* 56 (12): 11, 16. Dec 1975

028830 275.29 ID13IDC
The western bean cutworm [Loxagrotis albicosta] on beans and[sweet] corn. Blickenstaff, C C; Homan, H H; Antonelli, A L; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 302, 2 P. June 1975

475 SCI23
A new species of Amorphoidea [coimbatorensis] (Curculionidae, Coleoptera) infesting coconut inflorescence. Subramaniam, T R; Thangavel, P; David, B V *Curr Sci* 44 (22): 825-826. Nov 20, 1975

028831 475 SCI23
Record of lunate fly, Eumerus sp. (Syrphidae: Diptera) on potatoes from India. Misra, S S; Verma, K D *Curr Sci* 44 (22): 827. Nov 20, 1975

028832 475 SCI23
Record of Plutella xylostella Linn. [=maculipennis (Curt.)] as a new pest of amaranthus viridis in Karnataka. Vishakantaiah, M; Visweswara Gowda, B L *Curr Sci* 44 (23): 869. Dec 5, 1975

028833 275.29 W27MI
Whiteflies [Trialeurodes vaporariorum, Aleurodes spiraeoides]: their biology and control [Horticultural crops]. Antonelli, A; Akre, R; Retan, A; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3980, 6 P. June 1975

028834 275.29 K415E
Insecticide recommendations and spray calendar for shade trees and woody ornamentals. Kentucky University Cooperative Extension Service *ENT Univ Ky Coll Agric Coop Ext Serv* 33, 7 P. Oct 1975

028835 275.29 K415E
Vegetable greenhouse insect control. Scheibner, R A; Kentucky University Cooperative Extension Service *ENT Univ Ky Coll Agric Coop Ext Serv* 31, 9 P. Map. July 1975

028836 421 EN895
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. Snieder, D; Velde, H J ter *Entomol Exp Appl* 18 (3): 321-328. Ref. 1975

028837 421 EN895
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. Tzanakakis, M E; Prophetou, D A; Savopoulou, M C; Kordelas, A G *Entomol Exp Appl* 18 (3): 302-312. 1975

028838 421 EN895
Polymorphism and sensitivity to a juvenile hormone analogue in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). Cloutier, C; Perron, J M *Entomol Exp Appl* 18 (4): 457-464. Ref 1975

421 EN895
Spectral specific responses in the visual behavior of the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). Vaishampayan, S M; Kogan, M; Waldbauer, G P; Woolley, J T *Entomol Exp Appl* 18 (3): 344-356. Ref. 1975

028839 421 EN895
Toxicity of organophosphorus systemic pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. Daneshvar, H; Rodriguez, J G *Entomol Exp Appl* 18 (3): 297-301. 1975

028840 421 EN895
Visual and olfactory responses in orientation to plants by the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). Vaishampayan, S M; Waldbauer, G P; Kogan, M *Entomol Exp Appl* 18 (4): 412-422. Ref. 1975

028841 421 EN895
Visual stimuli eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) flies to [apple] trees. Moericke, V; Prokopy, R J; Berlocher, S; Bush, G L *Entomol Exp Appl* 18 (4): 497-507. Ref. 1975

028842 QL461.E554
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. Saxana, H P; Phokela, A; Singh, Y *Entomol Newsl* 5 (4): 27-28. Apr 1975

028843 QL461.E554
Leucinodes orbonalis Guenee as a pest of potato. Mishra, U K; Chand, P *Entomol Newsl* 5 (4): 24-25. Apr 1975

028844 QL461.E554
Occurrence of Heliothis armigera (Hubner) as a serious pest of "arhar" [Pigeonpeas] in Himachal Pradesh. Pawar, A D; Bhalla, O P *Entomol Newsl* 5 (4): 24. Apr 1975

028845 QL461.E554
Persistence of endosulfan [insecticide] on "moong" [mung beans] and "arhar" [Pigeonpeas] crops. Verma, S; Pant, N C *Entomol Newsl* 5 (4): 25. Apr 1975

028846 QL461.E554
Relative toxicity of some important insecticides to the adults of lacewing bur Urentius echinus Distant (Heteroptera: Tingidae) [Eggplant pests]. Singh, D S; Dhingra, S; Lal, R *Entomol Newsl* 5 (4): 27. Apr 1975

028847 QL461.E554
Resistence of phorate [insecticides] on 'muung' [mungo beans] and 'arhar' [mung beans] crops. Verma, S; Pant, N C *Entomol Newsl* 5 (3): 21. Mar 1975

028848 QL461.E532
Carbaryl resistance in native and released populations of Amblyseius fallacis [Michigan, apples]. Croft, B A; Hoying, S A *Environ Entomol* 4 (6): 895-898. Dec 1975

028849 QL461.E532
Functional and numerical responses of the predatory mite, Amblyseius fallacis, to prey [Tetranychus urticae] density [Apples]. Santos, M A *Environ Entomol* 4 (6): 989-992. Ref. Dec 1975

028850 QL461.E532
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and host-parasite ratios. Stevens, L M; Steinhauer, A L; Elden, T C *Environ Entomol* 4 (6): 953-957. Dec 1975

028851 QL461.E532
Lesser peachtree borer [Synanthedon pictipes, pest of stonefruits]: the effect of temperature and humidity on egg development. Wong, T T Y; Davis, D G *Environ Entomol* 4 (6): 1014. Dec 1975

028852 QL461.E532
Sampling dormant apple twigs to estimate the density of eggs of the European red mite [Panonychus ulmi]. Goonewardene, H F; Kwolek, W F *Environ Entomol* 4 (6): 923-928. Dec 1975

028853 QL461.E532
Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticdes. Hamlen, R A *Environ Entomol* 4 (6): 972-974. Dec 1975

028854 QL461.E532
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. AliNiazee, M T *Environ Entomol* 4 (6): 1011-1013. Dec 1975

028855 QL461.E532
Weeds in orchards as important alternate sources of green peach aphids [Myzus persicae] in late spring. Tamaki, G *Environ Entomol* 4 (6): 958-960. Dec 1975

028856 TD1.E58
Use and field application of pheromones in orchard [insect] pest management programs. Trammel, K *Environ Qual Saf* 5: 69-72. 1975

028857 308.9 R26
Experiments on the harmful effect of Aculus pelekassi K. On the yield and quality of essential lemon oil. (Spa) Pennisi, L; Di Giacomo, A; Raciti, G *Essenze Deriv Agrum* 44 (4): 348-352. Oct/Dec 1974

028858 420 F662
Development of Diaprepes abbreviatus [pest of sugarcane andcitrus] on potted citrus seedlings [in Florida]. Beavers, J B; Selhime, A G *Fla Entomol* 58 (4): 271-273. Ref. Dec 1975

028859 420 F662
Recapture of virgin female Caribbean fruit flies [Anastrepha suspensa] from traps baited with males. Perdomo, A J; Baranowski, R M; Nation, J L *Fla Entomol* 58 (4): 291-295. Dec 1975

028860 S3.I5
Note on the incidence and control of the citrus white fly, Dialeurodes citri Ashmead (Aleurodidae: Homoptera) in Himachal Pradesh. Pal, S K *Indian J Agric Res* 9 (1/2): 91-93. Mar/June 1975

028861 80 IN2
Effect of certain vegetables on the larval development of Diacrisia obliqua Walker (Lepidoptera: Arctiidae). Katiyar, O P; Mukharji, S P; Lal, L *Indian J Hortic* 32 (1/2): 102-105. Mar/June 1975

028862 80 IN2
Effectiveness of insecticidal sprays against grapevine cicadellid, Arboridia (Arborifera) viniferata Sohi and Sandhu in the Punjab, India. Sohi, B S; Bindra, O S; Sohi, A S *Indian J Hortic* 32 (1/2): 68-70. Mar/June 1975

028863 80 IN2
Evaluation of brinjal varieties for resistance to shoot and fruit borer, Leucinodes orbonalis Guen. Krishnaiah, K; Vijay, O P *Indian J Hortic* 32 (1/2): 84-86. Mar/June 1975

028864 421 J822
A new survey technique for citrus thrips [Scirtothrips citri]. Reed, D K; Rich, J R *J Econ Entomol* 68 (6): 739-742. Dec 15, 1975

028865 421 J822
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 egg development [Apples, pest control]. White, L D *J Econ Entomol* 68 (6): 845-846. Dec 15, 1975

028866 421 J822
Effectiveness of a leafminer [Liriomyza sativae] control program for Florida tomato production. Levins, R A; Poe, S L; Littell, R C; Jones, J P *J Econ Entomol* 68 (6): 772-774. Dec 15, 1975

028867 421 J822
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. Anwar, M; Chatha, N; Ohinata, K; Harris, E J *J Econ Entomol* 68 (6): 733-735. Dec 15, 1975

421 J822
Identification of a fruit fly [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. Fletcher, B S; Bateman, M A; Hart, N K; Lamberton, J A *J Econ Entomol* 68 (6): 815-816. Dec 15, 1975

028868 421 J822
Melon flies [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with gamma irradiation in a nitrogen atmosphere. Ashraf, M; Chatha, N; Ohinata, K; Harris, E J *J Econ Entomol* 68 (6): 838-840. Dec 15, 1975

028869 421 J822
Oriental fruit fly [Dacus dorsalis]: thickened formulationsof methyl eugenol in spot applications for male annihilation. Cunningham, R T; Chambers, D L; Forbes, A G *J Econ Entomol* 68 (6): 861-863. Dec 15, 1975

028870 421 J822
Performance of a sticky trap with trimedlure impregnated in the adhesive material [Ceratitis capitata]. Nakagawa, S; Chambers, D L; Bradshaw, T I; Urago, T; Harris, E J *J Econ Entomol* 68 (6): 817-818. Dec 15, 1975

028871 421 J822
Population injury levels and sampling of the pear rust mite [Epitrimerus pyri] on pears in southern Oregon. Westigard, P H *J Econ Entomol* 68 (6): 786-790. Dec 15, 1975

028872 421 J822
Responses of four orange varieties to certain petroleum oils [used as insecticidal sprays] in Texas. Dean, H A *J Econ Entomol* 68 (6): 835-837. Dec 15, 1975

028873 421 J822
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in male annihilation of melon fly [Tested in a macadamia orchard]. Cunningham, R T; Chambers, D L; Steiner, L F; Ohinata, K *J Econ Entomol* 68 (6): 857-860. Dec 15, 1975

028874 421 J822
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. Dickson, M H; Eckenrode, C J *J Econ Entomol* 68 (6): 757-760. Dec 15, 1975

028875 421 J826
Observations on a granulosis virus of the potato tuberworm, Phthorimaea operculella. Hunter, D K; Hoffmann, D F; Collier, S J *J Invertebr Pathol* 26 (3): 397-400. Nov 1975

028876 SB951.A1J3
1974 evaluation of candidate pesticides. Insecticides: upland [horticultural] crops. Nomura, K *Jap Pestic Inf* 24: 8-9. July 1975

028877 SB951.A1J3
1974 evaluation of candidate pesticides. Insecticides: deciduous fruit trees. Umeya, K *Jap Pestic Inf* 24: 10-13. July 1975

028878 75.8 K147
Potato varieties resistant to the Colorado beetle [Leptinotarsa decemlineata]. (Rus) Getmanenko, A; Khrolinskii, L *Kartofel Ovoschi* 6: 36-37. June 1975

028879 421 M33
A comparative study on the evolution of lipids and starch reserves at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. Jauffret, F; Le Ret, M *Marcellia* 38 (4): 311-318. Oct 1975

028880 85 J76
An as yet rarely observed pest [Dasyneura pyri] on pears. (Ger) Graf, H *Mitt Obstbauversuchsring Jork* 30 (9): 237-238. Sept 1975

028881 85 J76
Nectria galligena also on pears. (Ger) Goos, U *Mitt Obstbauversuchsring Jork* 30 (9): 239. Sept 1975

028882 SB401.A1P4
Blacklight lamp provides alternatives to insecticides [Laspeyresia caryana, pecan pest control]. Gentry, C R; Smith, J S Jr; Blythe, J L; Edwards, G W *Pecan Q* 9 (3): 10-12. Aug 1975

028883 SB401.P4P4
Blacklight traps to control hickory shuckworm [Laspeyresia caryana] on pecan. Gentry, C R; Smith, J S Jr; Blythe, J L; Edwards, G W *Pecan South* 2 (5): 203-205. Sept 1975

028884 SB401.P4P4
Hickory shuckworm [Laspeyresia caryana]: biology, life history, and control [Pecans]. Payne, J A; Ellis, H C; Harris, E D *Pecan South* 2 (5): 184-185. Sept 1975

028885 SB401.P4P4
The use of polyvinyl acetate as a barrier to the pecan weevil larvae [Curculio caryae, control]. Gray, L B; Neel, W W; Payne, J A *Pecan South* 2 (5): 194-196. Sept 1975

028886 SB951.P47
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, carrot insect pests]. Suett, F L *Pestic Sci* 6 (4): 385-393. Ref. Aug 1975

464.8 P56
Mycoflora of pecans treated with heat, low temperatures, or methyl bromide for control of the pecan weevil [Curculio caryae]. Wells, J M; Payne, J A *Phytopathology* 65 (12): 1393-1395. Dec 1975

028887 79.9 N213
The control of diamond back moth [Plutella xylostella] and cabbage white butterfly larvae [Pieris rapae] with phenthoate. Ridler, R D *Proc N Z Weed Pest Control Conf* 28th: 230-233. 1975

028888 S293.C6N31
Study on timing application of some insecticides for control of bean fly (Melanagromyza phaseoli Coq.). (Tha) *Proc Natl Conf Agric Biol Sci* 13: 151-154. 1974

028889 S293.C6N31
Tetranychus urticae Koch. Study on resistance of beans to the two-spotted spider mite, Tetranychus urticae Koch. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 188-198. 1974

107.6 H68
Studies on strawberry virus diseases [transmitted by Chaetosiphon minor]: degeneration of strawberry in Hokkaido. (Jpn) Goto, T; Nemoto, M *Res Bull Hokkaido Natl Agric Exp Stn* 109: 97-105. Ref. Eng. Sum. Dec 1974

107.6 H68
Studies on [aster] yellows disease of parsley and celery [Scleroracus flavopicta, mycoplasma-like organisms]. (Jpn) Nemoto, M; Goto, T; Yoshida, K *Res Bull Hokkaido Natl Agric Exp Stn* 109: 107-113. Ref. Eng. Sum. Dec 1974

028890 100 P381S
Computer simulation used to control [apples] orchard mites [Panonychus ulmi, Stethorus punctum, biological control]. Mowery, P D; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 9. Fall 1975

028891 100 P381S
Grape pest monitoring improved with sex traps and aerial photography [Insects]. Jubb, G L Jr; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 5. Fall 1975

028892 68.19 M28
Ways of overcoming and preventing the development of resistance to acaricides in the citrus red hairy mite. (Rus) Abzianidze, N V *Subtrop Kul't* 1: 82-85. 1975

028893 464.9 B64
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western part of Turkey. (Tur) Oncag, G *Tek Bul Bornova Zirai Mucadele Enst* 26, 68 P. Map. Ref. Eng. Sum. 1975

028894 385 T29
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a sex pheromone of [the European grape vine moth] Lobesia botrana. Labovitz, J N; Henrick, C A; Corbin, V L *Tetrahedron Lett* 48: 4209-4212. Ref. Nov 1975

95.8 V77
Breeding of grape varieties resistant to Phylloxera by means of intervarietal hybridization. (Rus) Ergesian, R A *Vinodel Vinograd SSSR* 4: 30-32. 1975

028895 421 Z36
Effects of gamma radiation on the egg stage of the southern cowpea weevil, Callosobruchus maculatus F. Elbadry, E A; Ahmed, M Y Y *Z Angew Entomol* 79 (3): 323-328. Ref. Nov 1975

028896 421 Z36
Mass marking techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. (Ger) Remund, U; Boller, E F *Z Angew Entomol* 79 (3): 316-323. Ref. Eng. Sum. Nov 1975

028897 449.8 Z36
Effects of metepa on emergence, longevity and reproduction of Earias insulana [Okra, pests]. Pandey, P N *Z Angew Zool* 62 (3): 257-265. Ref. 1975

028898 464.8 Z3
Effect of the new insecticide PDD 60-40 on nymphs and adults of the cabbage bug Eurydema oleraceum L. (Heteroptera, Pentatomidae). (Ger) Leuschner, K *Z Pflanzenkr Pflanzenschutz* 82 (1): 8-12. Eng. Sum. 1975

028899 421 Z1
A guide of [insect] pests according to nature of injuries [Fruit]. (Rus) Smirnov, K S *Zashch Rast* 5: 60-62. (Continued) May 1975

028900 421 Z1
Aporis craetagi [Fruit pests, control]. (Rus) Savkovskii, P P *Zashch Rast* 6: 61-62. June 1975

028901 421 Z1
Aschersonia for control of the citrus whitefly [Dialeurodescitri]. (Rus) Ponomarenko, N G; Prilepskaia, N A; Murvanidze, M IA; Stoliarova, L A *Zashch Rast* 6: 44-45. June 1975

028902 421 Z1
Concentrated fruit juice as an attractant of the eastern fruit moth [Laspeyresia molesta, control]. (Rus) Arakelian, A O *Zashch Rast* 4: 50. Apr 1975

028903 421 Z1
Economic evaluation of chemical and biological methods [Cabbage, insect pests, control]. (Rus) Voltukhov, V A *Zashch Rast* 5: 29. May 1975

028904 421 Z1
Enemies of the Colorado potato beetle [Leptinotarsa decemlineata, natural control]. (Rus) Diadechko, N P; Stradimova, L A; Goncharenko, I O *Zashch Rast* 4: 51. Apr 1975

028905 421 Z1
Entomophagous insects of the apple leaf moth [Natural control, Apanteles, Sympiesis, Anthocoris]. (Rus) Boldyrev, M I *Zashch Rast* 1: 25. Jan 1975

028906 421 Z1
Experience and tasks in the integrated protection of cabbage [Insect pests]. (Rus) Adashkevich, B P *Zashch Rast* 5: 27-28. May 1975

028907 421 Z1
Experience gained in control of Colorado potato beetle [Leptinotarsa decemlineata]. (Rus) Khrapov, I F; Gudakova, V I *Zashch Rast* 2: 25-27. Feb 1975

028908 421 Z1
Hygienic regulation of phosphamide application in the culture of hops [Insect pest control]. (Rus) Kiril'chuk, P P; Ponomarenko, V N; Zakordonets, V A; Taran, F I; Kuz'menko, A V *Zashch Rast* 2: 45. Feb 1975

028909 421 Z1
Insect pests of leguminous crops [Peas, beans]. (Rus) Efremova, T G *Zashch Rast* 6: 58-59. June 1975

028910 421 Z1
Natural regulators of numerical strength of [cabbage insect] pests. (Rus) Nurlybaeva, R *Zashch Rast* 5: 30-31. May 1975

028911 421 Z1
Natural regulators of the numerical strength of cabbage [insect] pests. (Rus) Moiseeva, T S *Zashch Rast* 6: 23-24. June 1975

028912 421 Z1
Possibility of protecting true-rooted grapes from Phylloxera. (Rus) Khmelevskaia, M A; Kiskin, P Kh; Kornilov, A V *Zashch Rast* 1: 52-53. Jan 1975

028913 421 Z1
Rearing turnip moth [Agrotis segetum] on a synthetic medium. (Rus) Skopina, I N; Boiarkina, G N *Zashch Rast* 2: 34-35. Feb 1975

028914 421 Z1
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, Krasnodar Territory]. (Rus) Abramov, N F *Zashch Rast* 1: 51-52. Jan 1975

028915 421 Z1
The apple moth [Carposapsa pomonella, control]. (Rus) Savkovskii, P P *Zashch Rast* 1: 60-61. Jan 1975

028916 421 Z1
Toxicity of fringe treatments of peas [Chemical and biological control of Sitona]. (Rus) Diadechko, N P; Goncharenko, O I; Galun'ko, V I *Zashch Rast* 6: 20. June 1975

028917 421 Z1
Variations in numbers of the beet webworm [Loxostege sticticalis, control]. (Rus) Petrukha, O I; Tribel', S A *Zashch Rast* 4: 41-43. Apr 1975

INSECT PESTS AND CONTROL—FOREST TREES, PRODUCTS

028918 420 EN82
Determination of larval instars of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. Surgeoner, G A; Wallner, W E *Ann Entomol Soc Am* 68 (6): 1061-1062. Nov 1975

028919 420 EN82
Distribution of Rhyacionia neomexicana eggs within ponderosa pine [Pinus ponderosa] trees. Jennings, D T *Ann Entomol Soc Am* 68 (6): 1008-1010. Nov 1975

028920 420 EN82
Eggs and wax secretion of Kermes kingi [Quercus rubra]. Hamon, A B; Lambdin, P L; Kosztarab, M *Ann Entomol Soc Am* 68 (6): 1077-1078. Nov 1975

028921 420 EN82
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. All, J N; Benjamin, D M; Matsumura, F *Ann Entomol Soc Am* 68 (6): 1095-1101. Ref. Nov 1975

028922 420 EN82
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: Scolytidae) from two host species [Pinus ponderosa, Pinus monticola]. Billings, R F; Gara, R I *Ann Entomol Soc Am* 68 (6): 1033-1036. Ref. Nov 1975

028923 421 C16
Approaches to assessing insecticide efficacy in spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae) control programs. Simmons, G A; Chen, C W *Can Entomol* 107 (11): 1205-1209. Ref. Nov 1975

028924 421 C16
Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). Cameron, P J; Wellington, W G *Can Entomol* 107 (12): 1339-1342. Ref. Dec 1975

028925 421 C16
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. Finnegan, R J *Can Entomol* 107 (12): 1271-1274. Ref. Dec 1975

028926 421 C16
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae). Quednau, F W; Guevremont, H *Can Entomol* 107 (11): 1199-1204. Nov 1975

028927 421 C16
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. Morris, O N; Armstrong, J A *Can Entomol* 107 (12): 1281-1288. Dec 1975

028928 421 C16
Termite (Isoptera) suppression with toxic [wood] baits. Ostaff, D; Gray, D E *Can Entomol* 107 (12): 1321-1325. Dec 1975

028929 421 EN895
Effects of daylength over one complete and a partial succeeding generation on development in Neodiprion sertifer (Hymenoptera: Diprionidae) [Forest pests]. Wallace, D R; Sullivan, C R *Entomol Exp Appl* 18 (4): 399-411. Ref. 1975

028930 QL461.E532
Attraction of Scolytus multistriatus to pheromone-baited traps at different heights [Ulmus]. Cuthbert, R A; Peacock, J W *Environ Entomol* 4 (6): 889-890. Dec 1975

028931 QL461.E532
Comparison of sex pheromone versus an inhibitor for disruption of pheromone communication in Rhyacionia buoliana [Pinus sylvestris]. Daterman, G E; Daves, G D Jr; Smith, R G *Environ Entomol* 4 (6): 944-946. Ref. Dec 1975

028932 QL461.E532
Gypsy moth [Porthetria dispar] kairomones influencing behavior of the parasitoids Brachymeria intermedia and Apanteles melanoscelus. Leonard, D E; Bierl, B A; Beroza, M *Environ Entomol* 4 (6): 929-930. Dec 1975

028933 QL461.E532
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). Clark, E W; White, J D; Bradley, E L *Environ Entomol* 4 (6): 935-943. Ref. Dec 1975

028934 99.9 ER24
Effect of forest insect pests on the structure of tree varieties. (Ger) Lengyel, Gy; Pagony, H *Erdeszeti Kut* 70 (2): 5-22. 1974 (Pub. 1975)

028935 99.9 ER24
Main pulping characteristics of Scots [Pinus silvestris] and Austrian pine [Pinus nigra] damaged by Rhyacionia buoliana Schiff. Halup, Mrs G Zs; Szonyi, L; Ujvari, E *Erdeszeti Kut* 70 (2): 53-64. Ref. 1974 (Pub. 1975)

028936 475 EX7
Action of Bacillus thuringiensis preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by beta-exotoxin and DDT. Benz, G *Experientia* 31 (11): 1288-1290. Ref. Nov 15, 1975

028937 420 F662
Feeding and reproductive behavior of Ips avulsus [pest of Pinus]. Gouger, R J; Yearian, W C; Wilkinson, R C *Fla Entomol* 58 (4): 221-229. Ref. Dec 1975

028938 420 F662
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. DeBarr, G L; Barber, L R; Wilkinson, R C *Fla Entomol* 58 (4): 281-288. Ref. Dec 1975

028939 S27.A3
Biology, ecology and control of insects of native and introduced [forest] trees and shrubs on the Great Plains. Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 3 P. 1975

028940 S27.A3
Forest insect research at Kansas State University. 1974 [Rhyacionia, Pinus ponderosa, Pinus sylvestris]. Thompson, H E; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 4 P. 1975

028941 99.8 H744
Resistance of wood plastic combinations to wood-destroying insect attacks. (Ger) Unger, W; Unger, A *Holztechnologie* 16 (3): 171-174. Ref. Eng. Sum. Sept 1975

028942 QR1.I53 1974
Control of forest pest insects by viruses [Dendrolimus spectabilis, Lymantria fumida, Lymantria dispar, Entomophthora]. Katagiri, K *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 613-620. 1974 (Pub. 1975)

028943 442.9 AK124
Suturaspis archangelskayae (Lndgr.) (Homoptera, Diaspidoidea), a biophyte of ash tree [Fraxinus] in Turkmenistan. (Rus) Miatseva, S N; Lemaeva, A K *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 58-61. Eng. Sum. 1975

028944 421 J822
Control of a looper, Lambdina atbasaria atbasaria, on hemlock [Tsuga canadensis] with three chemical insecticides [Carbaryl, trichlorphon, acephate]. Cameron, E A; Mastro, V C *J Econ Entomol* 68 (6): 800-802. Dec 15, 1975

028945 421 J822
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to western pine beetle [Pinus ponderosa] attack. Smith, R H *J Econ Entomol* 68 (6): 841-844. Ref. Dec 15, 1975

028946 421 J825
Convective and evaporative cooling in sawfly larvae [Perga dorsalis, Eucalyptus]. Seymour, R S *J Insect Physiol* 20 (12): 2447-2457. Ref. Dec 1974

028947 421 J826
Histological studies on the development of the microsporidian Thelohania pristiphorae in larvae of Malacosoma disstria and Malacosoma americanum. Smirnoff, W A *J Invertebr Pathol* 26 (3): 401-403. Nov 1975

028948 421 J826
Persistence of spores of Pleistophora schubergi (Cnidospora: Microsporida) in the field, and their application in microbial control [Anisota senatoria, Symmerista canicosta, Quercus pests]. Kaya, H K *J Invertebr Pathol* 26 (3): 329-332. Ref. Nov 1975

028949 99.8 N62
Comparison of toxicity between organophosphorus toxicants and ethylene dibromide, alone and in combination, to Monochamus alternatus Hope (Coleoptera: Cerambycidae. I. The. (Jpn) Kishi, Y *J Jap For Soc* 57 (10): 334-338. Ref. Eng. Sum. Oct 1975

028950 QK600.M5
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, pest of pine trees] in the Mari Autonomous Soviet Socialist Republic. (Rus) Martynenko, V V *Mikol Fitopatol* 9 (4): 333-337. Ref. 1975

028951 436.8 N342
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, pest of pine trees, biological control]. Akhurst, R J *Nematologica* 21 (3): 267-272. Ref. Sept 1975

028952 SB951.P47
Coating and impregnating with endrin protects field-sown Douglas fir [Pseudotsuga menziesii] seed. Crouch, G L; Radwan, M A *Pestic Sci* 6 (4): 337-345. Aug 1975

028953 79.9 N213
Controlling Sirex [noctilio] with a nematode [Deladenus siricidicola]. Zondag, R *Proc N Z Weed Pest Control Conf* 28th: 196-199. 1975

028954 99.8 R327
Carpenter ant (Formica ligniperda Latr.) against Colorado beetle [Biological control]. (Rum) Nastase, I *Rev Padur* 90 (1): 43. Jan/Mar 1975

410 R324
Indian bark and timber beetles. VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [New taxa]. Schedl, K E *Rev Suisse Zool* 82 (3): 445-458. Nov 1975

028955 99.8 ST9
The pine bark bug, Aradus cinnamomeus Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and significance in forestry. (Ger) Brammanis, L *Stud For Suec* 123, 81 P. Map. Ref. Eng. Sum. 1975

028956 99.8 T62
More recent methods and means for the control of insect pests of poplars and willows in Yugoslavia. (Cro) Vasic, M *Topola* 18/19 (103/106): 201-209. Ref. Eng. Sum. July 1974/June 1975

028957 99.8 T62
Results of investigations of the resistance of poplar varieties to the borer Cryptorrhynchus lapathi., Curculionidae, Coleoptera. (Cro) Jodal, I *Topola* 18/19 (103/106): 151-157. Eng. Sum. July 1974/June 1975

028958 99.8 T62
Spectrum of regulatory activities of parasitic insects [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. [Poplar pests, natural control]. (Cro) Kusevska, M *Topola* 18/19 (103/106): 158-164. Eng. Sum. July 1974/June 1975

028959 ASD433.A53
Southern pine [Pinus] seed and cone insects. Ebel, B H; Flavell, T H; Drake, L E; Yates, H O III; DeBarr, G L; U.S. Southeastern Forest Experiment Station *USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn* 8, 41 P. Maps. Ref. 1975

028960 A99.9 F7625U
Evaluating damage caused to a campground by Douglas-fir tussock moth [Orgyia pseudotsugata, Abies concolor]. Wickman, B E; Renton, D A; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 257, 5 P. Sept 1975

028961 A99.9 F7625U
Field and laboratory techniques for evaluating hemlock sawfly [Neodiprion tsugae] infestations [Tsuga]. Hard, J S; Torgersen, T R; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 252, 23 P. Ref. Aug 1975

028962 A99.9 F7625UNI
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. Carolin, V M; Coulter, W K; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn* 195, 16 P. 1975

028963 421 Z36
Influence of temperature on the development of incipient colonies of Nasutitermes nigriceps (Haldemann). Garcia, M L; Becker, G *Z Angew Entomol* 79 (3): 291-300. Ref. Nov 1975

028964 421 Z1
Entomophagous enemies of bark beetles [Natural control]. (Rus) Polozhentsev, P A; Kozlov, V F *Zashch Rast* 1: 41-44. Jan 1975

028965 421 Z1
Experiment in the protection of oak [Quercus] groves from the oak roller moth. (Rus) Sinadskii, IU V; Kovtunenko, V F; Malkerov, V P *Zashch Rast* 1: 39-40. Jan 1975

028966 421 Z1
Parasites and pathogens of the Japanese nut tree giant silkworm [Forest pests, natural control]. (Rus) Kharchenko, N A; Chelysheva, L P *Zashch Rast* 5: 45. May 1975

INSECT PESTS AND CONTROL—PRODUCTS

028967 385 AG8B
Hydrocarbon repellents isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: Tenebrionidae) [Flour beetles. Suzuki, T; Suzuki, T; Huynh, V M; Muto, T *Agric Biol Chem* 39 (11): 2207-2211. Ref. Nov 1975

028968 420 EN82
Accessory cells of the mycetome in the rice weevil, Sitophilus oryzae: post-embryonic development. Lum, P T M; Baker, J E *Ann Entomol Soc Am* 68 (6): 1074-1076. Nov 1975

028969 420 EN82
Gamma irradiation of adult Plodia interpunctella: Effects on mating, sterility, and number of progeny [in stored peanuts in Georgia]. Brower, J H *Ann Entomol Soc Am* 68 (6): 1086-1090. Ref. Nov 1975

028970 448.3 AR22
Contributions to the study of Blattidae. IV. Laboratory experiments on the efficacy of some methods of insecticide application in controlling the species Blattella germanica L. (Fre) Enescu, A; Balazs, D *Arch Roum Pathol Exp Microbiol* 34 (3): 267-270. Eng. Sum. July 1975

028971 421 EN895
Genetic analysis of resistance to DDT, methoxychlor and fenitrothion in two strains of housefly (Musca domestica). Rupes, V; Pinterova, J *Entomol Exp Appl* 18 (4): 480-491. Ref. 1975

028972 421 EN895
Genetic linkage of malathion resistance in the German cockroach [Blattella germanica]. Cochran, D G *Entomol Exp Appl* 18 (3): 390-392. 1975

028973 421 EN895
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a radial temperature gradient [Dried fish pest]. Osuji, F N C *Entomol Exp Appl* 18 (3): 313-320. Ref. 1975

028974 421 EN895
The effects of salt treatment of fish on the developmental biology of Dermestes maculatus (Coleoptera, Dermestidae) and Necrobia rufipes (Cleridae). Osuji, F N C *Entomol Exp Appl* 18 (4): 472-479. Ref. 1975

028975 QL461.E532
Dispersal of Bacillus thuringiensis spores by nonsusceptible species of stored-grain beetles. McGaughey, W H; Kinsinger, R A; Dicke, E B *Environ Entomol* 4 (6): 1007-1010. Ref. Dec 1975

028976 TD1.E58
Approaches to insect control based on chemical ecology—case studies [Callosobruchus chinensis, pests of stored products]. Yamamoto, I *Environ Qual Saf* 5: 73-77. 1975

028977 HD9000.1.I52
[Insect] pest control in the dry milk industries. (Ita) Osnaghi, E *Ind Aliment* 14 (5): 79-82. May 1975

028978 334.8 IN84
Potential for control of Cadra cautella (Walker) by release of fully or partially sterile males [Stored products, pests]. Brower, J H; Tilton, E W *Int J Appl Radiat Isot* 26 (12): 720-725. Ref. Dec 1975

028979 421 J822
Angoumois grain moth [Sitotroga cerealella]: chemical control of infestation in shelled corn. LaHue, D W *J Econ Entomol* 68 (6): 769-771. Dec 15, 1975

028980 421 J822
Atmospheric levels of propoxur aboard submarines after residual spraying [for control of Blatella germanica]. Mulrennan, J A Jr; Lamdin, J M; Bolton, H T; Hammond, C L *J Econ Entomol* 68 (6): 755-756. Dec 15, 1975

028981 421 J822
Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. Storey, C L *J Econ Entomol* 68 (6): 736-738. Dec 15, 1975

028982 421 J822
Pirimiphos-methyl as a protectant [from insect pests] for stored inshell almonds [Control effectiveness and residues]. Spitler, G H; Hartsell, P L *J Econ Entomol* 68 (6): 777-780. Dec 15, 1975

028983 421 J822
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. LeCato, G L *J Econ Entomol* 68 (6): 763-765. Dec 15, 1975

028984 421 J822
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat [Insect pests, biological control]. Nwanze, K F; Partida, G J; McGaughey, W H *J Econ Entomol* 68 (6): 751-752. Dec 15, 1975

028985 382 SO12
Exposure of meat to methyl bromide during refrigerated-store pest control; residues in beef and lamb and effect on quality. Rhodes, D N; Patterson, R L S; Puckey, D J; Heuser, S G; Wainman, H E; Chakrabarti, B; Allan, E N W *J Sci Food Agric* 26 (9): 1375-1380. Sept 1975

028986 275.29 T313
Controlling cockroaches [Blattidae] without synthetic organic insecticides. Piper, G L; Fleet, R R; Frankie, G W; Frisbie, R E; Texas Agricultural Experiment Station *L Tex A M Univ Tex Agric Exp Stn* 1373, 4 P. June 1975

028987 1 AG84MR
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. Speirs, R D; McDonald, L L; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1039, 14 P. Sept 1975

028988 1 AG84TE
Insect-resistant textile bags: new construction and treatment techniques [Cotton]. Highland, H A; Secreast, M; Yeadon, D A; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1511, 12 P. Sept 1975

INSECT PESTS AND CONTROL—ANIMAL AND MAN

028989 434.8 AC1
Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, Cheyletiellidae) and Micromonosora chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the skin of pigeon. Haarlov, N; Morch, J *Acarologia* 17 (2): 284-299. Ref. Oct 1975

434.8 AC1
Parasitic mites of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. Dusbabek, F; Lukoschus, F S *Acarologia* 17 (2): 306-319. Oct 1975

028990 1.98 AG84
Trojan horse [Haematobia irritans pests of cattle]. U.S. Agricultural Research Service *Agric Res* 24 (7): 11. Jan 1976

028991 436.8 AN7
Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea maderae (Dictyoptera, Blattidae) crossing of the gut wall. (Fre) Pesson, B; Leger, N *Ann Parasitol Hum Comp* 50 (4): 425-437. July/Aug 1975

028992 436.8 AN7
Microsporidia in Simulium larvae: systematics; ecological, pathological and cytochemical data. (Fre) Maurand, J *Ann Parasitol Hum Comp* 50 (4): 371-396. Ref. Eng. Sum. July/Aug 1975

436.8 AN7
Presence in Morocco of Phlebotomus bergeroti, Phlebotomus chabaudi, Phlebotomus chadlii and Sergentomyia cristophersi. (Fre) Rioux, J A; Croset, H; Leger, N; Benmansour, N; Cadi Soussi, M; Maistre, M; Jonquet, Y *Ann Parasitol Hum Comp* 50 (4): 493-506. Map. Ref. Eng. Sum. July/Aug 1975

028993 436.8 AN7
Studies on the development of Theileria annulata Dschunkowsky and Luhs, 1904 in the tick Hyalomma anatolicum anatolicum Koch, 1844. Bhattacharyulu, Y; Chaudhri, r P; Gill, B S *Ann Parasitol Hum Comp* 50 (4): 397-408. July/Aug 1975

028994 410 AN79
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus giliacus (Mammalia, Muridae) [Mice]. Uchikawa, K; Mizushima, S *Annot Zool Jap* 48 (2): 103-107. Ref. June 1975

028995 448.3 AR22
Contribution to the study on the biology of the Anopheles hyrcanus species from the Danube delta. Cristescu, A; Duport, M; Tacu, V; Durbaca, S; Iancu, L *Arch Roum Pathol Exp Microbiol* 34 (3): 277-284. Ref. July 1975

028996 448.3 AR22
The efficiency of some organophosphorousinsecticides as ovicidal substances for the "maculipennis" group [Anopheles]. (Fre) Sandescu-Nosec, I; Tacu, V; Durbaca, S *Arch Roum Pathol Exp Microbiol* 34 (3): 271-276. Ref. Eng. Sum. July 1975

028997 448.3 AR22
The inhibiting effect of tris (1-aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). (Fre) Enescu, A; Balazs, D *Arch Roum Pathol Exp Microbiol* 34 (3): 257-262. Ref. Eng. Sum. July 1975

028998 448.3 AR22
The sterilizing effect of tris (1—aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. (Fre) Balazs, D; Enescu, A *Arch Roum Pathol Exp Microbiol* 34 (3): 263-266. Eng. Sum. July 1975

448.3 AR23
Multiplication if Venezuelan equine encephalitis (Mucambo) virus in cultured mosquito cells [Aedes aegypti, Aedes albopictus]. Esparza, J; Sanchez, A *Arch Virol* 49 (2/3): 273-280. Ref. 1975

028999 23 AU783
Host resistance to cattle tick (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. Wagland, B M *Aust J Agric Res* 26 (6): 1073-1080. Ref. Nov 1975

029000 442.8 B529
Note on the occurrence of the mite Myocoptes musculinus (Koch, 1844) (Acarina, Listrophoridae) on white mice in the states of Sao Paulo and Rio de Janeiro, Brazil. (Por) Amarat, V do; Farinha, F B N; Rebouças, M M *Biologico* 6 (9): 15-18. Eng. Sum. Jan 1975

029001 100 C12CAG
Mosquito and chironomid midge control by planaria [Insect pests, biological control]. Legner, E F; Yu, H S; Medved, R A; Badgley, M E; California Agricultural Experiment Station *Calif Agric* 29 (11): 3-6. Nov 1975

029002 421 C16
Effects of insect developmental inhibitors on adult emergence of black flies [Simulium verecundum] (Diptera: Simuliidae. II. Dove, R F; McKague, A B *Can Entomol* 107 (11): 1211-1213. Nov 1975

029003 421 C16
Genetic feedback and simulated environmental catastrophes [Musca domestica]. Sydor, W J; Pimentel, D *Can Entomol* 107 (12): 1343-1348. Dec 1975

029004 421 C16
Salivary glands of female Culex pipiens: morphological changes associated with maturation and blood-feeding. Barrow, P M; McIver, S B; Wright, K A *Can Entomol* 107 (11): 1153-1160. Ref. Nov 1975

029005 443.8 C16
Linkage of a gene for DDT-resistance in adults of the mosquito Aedes aegypti. Hitchen, J M; Wood, R J *Can J Genet Cytol* 17 (3): 311-322. Ref. Sept 1975

029006 SF221.D38
Counting the cost of cattle lice. Neuhauser, H H *Dairyman (Armadale)* 1 (3): 17. May 1975

421 EN895
Blood-feeding activity of partially engorged Culex nigripalpus (Diptera: Culicidae). Edman, J D; Cody, E; Lynn, H *Entomol Exp Appl* 18 (3): 261-268. Ref. 1975

029007 421 EN895
Influence of individual body weight on the susceptibility of adult Musca domestica to DDT and malathion. Lavadinho, A M P *Entomol Exp Appl* 18 (3): 337-343. 1975

029008 421 EN895
Relationship between blood meal volume and ovarian development in Culex nigripalpus (Diptera: Culicidae). Edman, J D; Lynn, H C *Entomol Exp Appl* 18 (4): 492-496. 1975

421 EN85
Raphidia (Mongoloraphidia) mirabilis n. Sp.—a new camel pest from Tadzhikistan. (Ger) Aspock, H; Aspock, U *Entomol Z* 85 (23): 256-260. Dec 1, 1975

029009 QL461.E532
A computer simulation model for population studies of woodland pool Aedes mosquitoes. Wagner, V E; Tully, G A; Goodman, E D; Newson, H D *Environ Entomol* 4 (6): 905-919. Ref. Dec 1975

029010 QL461.E532
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. Pickens, L G; Miller, R W; Centala, M M *Environ Entomol* 4 (6): 975-979. Ref. Dec 1975

029011 QL461.E532
Influence of some dipterous [Musca domestica] larvae on nitrogen loss from cattle dung. MacQueen, A; Beirne, B P *Environ Entomol* 4 (6): 868-870. Dec 1975

029012 QL461.E532
Some environmental factors affecting the daily and seasonal movements of the salt marsh greenhead, Tabanus nigrovittatus. Schulze, T L; Hansens, E J; Trout, J R *Environ Entomol* 4 (6): 965-971. Dec 1975

029013 475 EX7
The haemocytes of themosquito Aedes albopictus and their comparison with larval cells cultured in vitro. Bhat, U K M; Singh, K R P *Experientia* 31 (11): 1331-1332. Ref. Nov 15, 1975

029014 QL289.F3
Ectoparasites [of the willow grouse and the ptarmigan] in Norway [Lice]. (Nor) Mehl, R *Fauna, Nor Zool Foren Tidsskr* 28 (4): 208-215. Ref. Eng. Sum. 1975

029015 QR1.I53 1974
Epizootics of virus diseases of insects. Tanada, Y *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 621-639. Ref. 1974 (Pub. 1975)

029016 QR1.I53 1974
Recent orientations in the study of insect pathogens in in vitro cultured cells [Disease vectors, biological control]. Vago, C *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 640-649. Ref. 1974 (Pub. 1975)

029017 396.8 IN23
Studies on potential pesticides. VI. Synthesis and insecticidal activity of several new dithiocarbamates [Musca domestica]. Sen Gupta, A K; Ramrakhyani, A K *Indian J Pharm* 37 (2): 47-49. Ref. Mar/Apr 1975

029018 SF481.I55
Insect ectoparasites of poultry in India and their control [Insect pests]. Sharma, B D; Sharma, T *Indian Poult Rev* 6 (20): 740-741. June 1, 1975

029019 41.8 IN2
A note on the clinical trial with "Lazin-Veterinary" in sarcoptic mange [Sarcoptes scabiei] in rabbits. Rajendran, M P; Hussain, M J *Indian Vet J* 52 (11): 876-877. Nov 1975

442.9 AK124
Comparative investigation of life cycles of ticks Hyalomma asiaticum asiaticum and Hyalomma anatolicum excavatum [Parasites, animals]. (Rus) Berdyev, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 62-66. Ref. Eng. Sum. 1975

442.9 AK124
Concerning the fauna of bird lice parasitizing snipes of southern Turkmenistan [New taxa]. (Rus) Fedorenko, I A; Eminov, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 82-89. Ref. Eng. Sum. 1975

029020 442.9 AK124
Materials on Acaridae, the parasites of mountain rams and wild hoofed animals of Badkhyz. (Rus) Gorelov, IU K; Kochkareva, A V *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 81-84. Eng. Sum. 1975

442.9 AK124
On the fauna of bird lice (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. (Rus) Fedorenko, I A; Bel'skaia, G S; Kekilova, A F; Sukhinin, A N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 72-82. Eng. Sum. 1975

029021 381 J8223
Preliminary investigation on the effects of mirex and its derivatives on adenosine triphosphatase activities from fire ants [Solenopsis richteri]. Desaiah, D; Koch, R B *J Agric Food Chem* 23 (6): 1216-1217. Ref. Nov/Dec 1975

41.8 AM3
Transmission of equine infectious anemia virus by Tabanus fuscicostatus. Hawkins, J A; Adams, W V Jr; Wilson, B H; Issel, C J; Roth, E E *J Am Vet Med Assoc* 168 (1): 63-64. Jan 1, 1976

029022 420 EN823
Photoperiodic induction of diapause in the kangaroo tick Ornithodoros gurneyi Warburton (Acarina: Argasidae). Doube, B M *J Aust Entomol Soc* 14 (3): 221-224. Sept 29, 1975

029023 421 J822
Activity and longevity of insect growth regulators against mosquitoes. Mulla, M S; Dwarwazeh, H A *J Econ Entomol* 68 (6): 791-794. Dec 15, 1975

029024 421 J822
Compatibility of insecticides and a disinfectant [Stomoxys calcitrans, Musca domestica, Fannia canicularis, control]. Harris, R L; Oehler, D D; Coggin, D; Bram, R A *J Econ Entomol* 68 (6): 852-854. Dec 15, 1975

029025 421 J822
Diurnal rhythm, age, and other variables affecting yellowfever mosquito [Aedes aegypti] avidity and the laboratory assay of repellents. Kashin, P; Kardatzke, M L *J Econ Entomol* 68 (6): 766-768. Dec 15, 1975

029026 421 J822
Evaluation of methoprene formulations for fly control [Musca autumnalis, Haematobia irritans]. Miller, R W; Pickens, L G *J Econ Entomol* 68 (6): 810-812. Dec 15, 1975

029027 421 J822
Synergism of resmethrin in the house fly [Musca domestica]. Schulze, T L; Hansens, E J *J Econ Entomol* 68 (6): 807-809. Dec 15, 1975

029028 421 J822
The horn fly [Haematobia irritans]: methoprene in drinking water of cattle for control. Beadles, M L; Miller, J A; Chamberlain, W F; Eschle, J L; Harris, R L *J Econ Entomol* 68 (6): 781-785. Dec 15, 1975

029029 421 J822
ULV [Ultra-low volume] sprays of propoxur for control of [a bloodsucking mite] Trombicula alfreddugesi. Mount, G A; Grothaus, R H; Baldwin, K F; Haskins, J R *J Econ Entomol* 68 (6): 761-762. Dec 15, 1975

421 J825
Physiological basis of host susceptibility of Florida mosquitoes to Dirofilaria immitis. Nayar, J K; Sauerman, D M Jr *J Insect Physiol* 21 (12): 1965-1975. Ref. Dec 1975

029030 421 J826
Nonoccluded viruslike particles in larvae of Culicoides cavaticus (Diptera: Ceratopogonidae). Clark, T B; O'Grady, J J *J Invertebr Pathol* 26 (3): 415-417. Nov 1975

029031 448.8 J824
Effect of social stress and inherited plasma corticosterone levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. Hall, R D; Gross, W B *J Parasitol* 61 (6): 1096-1100. Ref. Dec 1975

029032 49 B462
Activities of Glossina tachinoides W. V. (Fre) Gruvel, J *L'elevage* (New Ser.) 28 (2): 173-193. Ref. Eng. Sum. 1975

49 B462
Observations on cattle infectious keratoconjunctivitis in Ivory Coast. II. Study of the ophthalmotropic lepidoptera as vector. (Fre) Nicolet, J; Buttiker, W *L'elevage* (New Ser.) 28 (2): 125-132. Ref. Eng. Sum. 1975

029033 49 B462
Resting sites of Glossina tachinoides W. IV. (Fre) Gruvel, J *L'elevage* (New Ser.) 28 (2): 153-172. Ref. Eng. Sum. 1975

029034 49 B462
Structure of Glossina tachinoides W. Populations in the Kalamaloue reserve. VI. (Fre) Gruvel, J *L'elevage* (New Ser.) 28 (2): 195-215. Ref. Eng. Sum. 1975

029035 421 M85
Changes in comb spine number during larval development in Aedes aegypti (L.). Wood, R J; Dalingwater, J E *Mosq News* 35 (4): 555-560. Dec 1975

029036 421 M85
Chromosome studies of Oriental anophelines. IV. Polytene chromosomes of Anopheles fluviatilis. Chowdaiah, B N; Seetharam, P L *Mosq News* 35 (4): 495-500. Ref. Dec 1975

029037 421 M85
Control of nuisance midges [Chironomus riparius] in a channel receiving treated municipal sewage. Polls, I; Greenberg, B; Lue-Hing, C *Mosq News* 35 (4): 533-537. Dec 1975

029038 421 M85
Effect of vertebrate size and density on host-selection by caged Culex nigripalpus. Edman, J D; Webber, L A *Mosq News* 35 (4): 508-512. Dec 1975

029039 421 M85
Epidemiological studies on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the bionomics of the vector [Brugia malayi, Anopheles sinensis]. Kanda, T; Chong Yoon Joo,; Dong Wik Choi, *Mosq News* 35 (4): 513-517. Dec 1975

029040 421 M85
Establishment and recycling of a mermithid nematode [Reesimermis nielseni] for the control of mosquito larvae [Anopheles crucians]. Petersen, J J; Willis, O R *Mosq News* 35 (4): 526-532. Ref. Dec 1975

029041 421 M85
Evaluation of newly synthesized insect growth regulators against Anopheles quadrimaculatus, Anopheles albimanus, and Aedes taeniorhynchus. Lowe, R E; Schwarz, M; Cameron, A L; Dame, D A *Mosq News* 35 (4): 561-563. Dec 1975

029042 421 M85
Failure of Anopheles stephensi Liston to transmit human plasmodia mechanically. McCarthy, V C *Mosq News* 35 (4): 493-494. Dec 1975

029043 421 M85
Field investigations on Aedes fitchii mosquito populations in a woodland pool ecosystems. Wagner, V E; Newson, H D *Mosq News* 35 (4): 518-522. Dec 1975

029044 421 M85
Genetic studies on mechanisms influencing the susceptibility of anopheline mosquitoes to plasmodial infection [Plasmodium gallinaceum, Anopheles stephensi]. Frizzi, G; Rinaldi, A; Bianchi, U *Mosq News* 35 (4): 505-508. Ref. Dec 1975

029045 421 M85
Influence of trap screen age on collections of tabanids in Malaise traps [Tabanidae]. Roberts, R H *Mosq News* 35 (4): 538-539. Dec 1975

029046 421 M85
Intraspecific competition [as a populaton regulatory mechanism] in Anopheles stephensi Liston. Reisen, W K *Mosq News* 35 (4): 473-482. Ref. Dec 1975

029047 421 M85
Laboratory and small plot field tests of Altosid and Dimilin for the control of Aedes taeniorhynchus and Culex nigripalpus larvae. Rathburn, C B Jr; Boike, A H Jr *Mosq News* 35 (4): 540-546. Ref. Dec 1975

029048 421 M85
Laboratory dosage response of Aedes triseriatus (Say) to Altosid SR-10 and 10-F. Wells, R D; Nelson, J H; Davenport, C D; Evans, E S Jr *Mosq News* 35 (4): 546-548. Dec 1975

029049 421 M85
Laboratory non-thermal aerosol tests of insecticides for the control of adult mosquitoes [Aedes taeniorhynchus, Culex nigripalpus]. Boike, A H Jr; Rathburn, C B Jr *Mosq News* 35 (4): 488-490. Dec 1975

029050 421 M85
Literature references to mosquitoes and mosquito-borne diseases. IV. Sollers-Riedel, H *Mosq News* 35 (4): 577-594. Ref. Dec 1975

029051 421 M85
Mosquito collections in El Salvador with ultraviolet and CDC miniature light traps with and without dry ice. Wilton, D P *Mosq News* 35 (4): 522-525. Ref. Dec 1975

029052 421 M85
Obituary: Robert L. Vannote [Mosquito control]. Kuschke, J C *Mosq News* 35 (4): 566-567. Dec 1975

029053 421 M85
Observations of an unusual oviposition habit in Armigeres (Leicesteria) annulitarsis (Leicester). Bailey, C L; Vongpradist, S; Mongkolpanya, K *Mosq News* 35 (4): 564-565. Dec 1975

029054 421 M85
Pupal pleomorphism in a strain of Anopheles albimanus from El Salvador. Warren, M; Richardson, B B; Collins, W E *Mosq News* 35 (4): 549-551. Dec 1975

029055 421 M85
Seasonal distribution and variations in diurnal activity of Tabanidae in the Republic of Zambia. Okiwelu, S N *Mosq News* 35 (4): 551-554. Ref. Dec 1975

029056 421 M85
Ultralow volume ground aerosols of propoxur (Baygon MOS) for control of adult mosquitoes [Aedes taeniorhynchus, Anopheles quadrimaculatus]. Mount, G A; Pierce, N W; Baldwin, K F *Mosq News* 35 (4): 490-492. Ref. Dec 1975

029057 S542.A1N45
An evaluation of some organophosphate compounds for the control of cattle tick, Haemaphysalis (Kaiseriana) longicornis (Neumann), in sheep and cattle. Tenquist, J D; Wright, D F; Skyrme, H P *N Z J Exp Agric* 3 (3): 281-284. Sept 1975

029058 420 UT1
A concept of administrative source reduction [Mosquitoes]. Peters, R H *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 6-7. Mar 1975

029059 420 UT1
Basic concepts of biological control in an integrated program of mosquito abatement. Chapman, H C *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 8-9. Mar 1975

029060 420 UT1
California mosquito control for 1974. Oldham, M L *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 22-23. Mar 1975

029061 420 UT1
Chemical control [Mosquitoes]. Brown, A W A *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 10-15. Ref. Mar 1975

029062 420 UT1
Current status of mosquito abatement programs in Utah. Nielsen, L T; Roberts, R S *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 21. Mar 1975

029063 420 UT1
Field observations on a promising growth regulator for mosquito larvae. Wagstaff, K H; Minson, K L *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 33-35. Mar 1975

029064 420 UT1
Mosquito control in Virginia. Dorer, R E *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 16. Mar 1975

029065 420 UT1
Radio communications in mosquito control —1974. Nielsen, J L *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 36. Mar 1975

029066 420 UT1
Some legal aspects of mosquito abatement. Warr, I *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 4-5. Mar 1975

029067 420 UT1
The establishment by the Utah Mosquito Abatement Association of an encephalitis surveillance program. Marrott, L *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 25. Mar 1975

029068 420 UT1
The Utah Mosquito Control—Fish and Wildlife Management Coordination Committee. Low, J B; Rees, D M; Regenthal, A *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 24. Mar 1975

029069 420 UT1
Vector control activities in the West Central region of the American Mosquito Control Association. Ogden, L J *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 17-20. Mar 1975

029070 420 W27
A new nearctic species of Forcipomyia (Forcipomyia) [bystraki] described in all stages (Diptera: Ceratopogonidae). Grogan, W L Jr; Wirth, W W *Proc Entomol Soc Wash* 77 (4): 466-471. Dec 1975

029071 420 W27
Larval habitats of Tabanus subsimilis subsimilis Bellardi in southeast Texas (Diptera: Tabanidae). Thompson, P H *Proc Entomol Soc Wash* 77 (4): 494-500. Ref. Dec 1975

029072 23 Q33
A guide to the control of external parasites of poultry [Lice, mites, ticks, fleas]. Gordon, J A *Queensl Agric J* 101 (4): 471-486. July-/Aug 1975

029073 S95.E23
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. Matthysse, J G; Van Vreden, G; Purnasiri, A; Jones, C J; Netherton, H R; McClain, D S; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 4 (11), 31 P. Ref. 1975

41.8 T431
Parasites of domestic and laboratory animals in the Netherlands. 2. [Parasitic worms, insect pests]. (Dut) Cremers, H J W M; Jansen, J; Swierstra, D *Tijdschr Diergeneeskd* 100 (22): 1209-1211. Ref. Eng. Sum. Nov 15, 1975

SF601.T7
Observations on a herd of beef cattle maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. Wilson, A J; Le Roux, J G; Paris, J; Davidson, C R; Gray, A R *Trop Anim Health Prod* 7 (4): 187-199. Map. Ref. Nov 1975

SF601.T7
The trans-stadial transmission of the bovine farcy organism, Nocardia farcinica, by the ixodid Amblyomma variegatum (Fabricius, 1794). al-Janabi, B M; Branagan, D; Danskin, D *Trop Anim Health Prod* 7 (4): 205-209. Nov 1975

029074 474 UM7
Better chances in controlling sleeping sickness: radiation sterilization of tsetse flies [Glossina]. (Ger) *Umschau* 75 (18): 570-573. Eng. Sum. Sept 15, 1975

029075 41.8 V641
Use of quill comb in the diagnosis of ectoparasites [Fleas, lice, Cheyletiella and forage mites, animals]. Walton, G S *Vet Rec* 97 (23): 454. Dec 1975

281.8 W892
Controlling bovine trypanosomiasis. The disease spread by tsetse [Glossina]. Hagan, D H; Wilmshurst, E C *World Crops* 27 (6): 248-250. Nov/Dec 1975

029076 442.8 Z33F
Cultivation of the warblefly Oestromyia leporina Pall. (Diptera, Hypodermatidae) and its biological prerequisites. (Ger) Rietschel, G *Z Parasitenkd* 47 (4): 299-306. Ref. Eng. Sum. 1975

029077 442.8 Z33F
The larval development of the warble fly Oestromyia leporina Pall. (Diptera, Hypodermatidae). (Ger) Rietschel, G *Z Parasitenkd* 47 (4): 283-297. Ref. Eng. Sum. 1975

PESTICIDES—GENERAL

A281.9 AG8A
Farmers' expenditures for custom pesticide services, 1971. Ferguson, W L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 314, 31 P. Maps. Nov 1975

029078 389.8 AN72
Determination of meta polymer of acetaldehyde in pesticides. (Fre) Pitet, G; Sangosse, A M de; Mariotti, J A *Ann Falsif Expert Chim* 68 (731/732): 339-344. July/Aug 1975

029079 389.8 AN72
Organochloride pesticide residues in milk and dairy products (1973-1974 balance). (Fre) Casalis, J; Luquet, F M; Mouillet, L; Goursaud, J *Ann Falsif Expert Chim* 68 (733): 427-438. Sept 1975

029080 13 G28
Thoughts on the problem of pesticide residues in agriculturee. (Fre) Martens, P *Ann Gembloux* 80 (4): 211-226. Fourth Quarter 1974

500 N484
Ascorbic acid requirements and metabolism in relation to organochlorine pesticides [Toxicity, animals]. Street, J C; Chadwick, R W *Ann N Y Acad Sci* 258: 132-143. Ref. 1975

029081 RC963.A1A7
Human pesticide poisonings by a fat-soluble organophosphate insecticide. Davies, J E; Barquet, A; Freed, V H; Haque, R; Morgade, C; Sonneborn, R E *Arch Environ Health* 30 (12): 608-613. Ref. Dec 1975

41.8 EX7
Determination of parathion-methyl and its metabolites in samples from animals and in foodstuffs. (Ger) Kirchner, K; Berge, H *Arch Exp Veterinarmed* 29 (5): 643-647. Eng. Sum. 1975

029082 41.8 EX7
TAS method for the detection of parathion-methyl and some transformation products in organic substances. (Ger) Kirchner, K; Berge, H *Arch Exp Veterinarmed* 29 (5): 649-653. Eng. Sum. 1975

RA1190.A7
Dieldrin and DDT in the tissues of mice fed aldrin and DDT for seven generations. Deichmann, W B; MacDonald, W E; Cubit, D A *Arch Toxikol* 34 (3): 173-182. 1975

029083 RA1270.P35A1
Acute toxicity of pesticide mixtures to bluegills [Fish]. Macek, K J *Bull Environ Contam Toxicol* 14 (6): 648-652. Ref. Dec 1975

029084 RA1270.P35A1
Air sample studies for measurement of pesticide contamination from storage areas. Winnett, G; Siewierski, M *Bull Environ Contam Toxicol* 14 (69: 681-686. Dec 1975

029085 RA1270.P35A1
Aldrin and dieldrin uptake in insecticide-resistant and susceptible mosquitofish (Gambusia affinis). Watkins, J; Yarbrough, J D *Bull Environ Contam Toxicol* 14 (6): 731-737. Ref. Dec 1975

029086 RA1270.P35A1
Catalytic dechlorination of organochlorine [pesticide] compounds. I. DDT. Dennis, W H Jr; Cooper, W J *Bull Environ Contam Toxicol* 14 (6): 738-744. Dec 1975

RA1270.P35A1
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and lipid peroxidation in young growing rats during the treatment of insecticides. Pawar, S S; Makhija, S J *Bull Environ Contam Toxicol* 14 (6): 714-720. Ref. Dec 1975

029087 RA1270.P35A1
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for organo-phosphorous insecticide poisoning, men and experimental animals]. Suzuki, K; Tauchi, K *Bull Environ Contam Toxicol* 14 (6): 674-680. Dec 1975

029088 RA1270.P35A1
Movement of mirex from sediment and uptake by the hogchoker, Trinectes maculatus. Kobylinski, G J; Livingston, R J *Bull Environ Contam Toxicol* 14 (6): 692-698. Dec 1975

029089 RA1270.P35A1
The chronic toxicity of methiocarb [pesticide] to grackles, doves, and quail and reproductive effects in quail. Schafer, E W Jr; Brunton, R B; Lockyer, N F; Cunningham, D J *Bull Environ Contam Toxicol* 14 (6): 641-647. Dec 1975

RA1270.P35A1
The effect of atmospheric levels of pesticides on pesticide residues in rabbit adipose tissue and blood sera. Arthur, R D; Cain, J D; Barrentine, B F *Bull Environ Contam Toxicol* 14 (6): 760-764. Dec 1975

029090 505 P21 (3)
Primary liver carcinogenesis in rats after feeding with the pesticide, 2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulphite (Aramite). (Fre) Truhaut, R; Claude, J R; Vu Ngoc Huyen,; Warnet, J M; Blanc, F *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 599-604. Ref. Eng. Sum. Sept 1, 1975

029091 SB415.C625
Pesticide license [Greenhouse operators]. Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 1. Aug 1975

029092 RA1211.A1C7
Effects of pesticides and related compounds on steroid metabolism and function. Kupfer, D *CRC Crit Rev Toxicol (Chem Rubber Co)* 4 (1): 83-124. Ref. 1975

029093 RA1211.A1C7
Toxicological decisions and recommendations resulting from the safety assessment of pesticide residues in food. Vettorazzi, G *CRC Crit Rev Toxicol (Chem Rubber Co)* 4 (2): 125-183. Ref. 1975

029094 QH540.E55
Pollination and environmental conservation [Effects of pesticides]. Kevan, P G *Environ Conserv* 2 (4): 293-298. Ref. Winter 1975

TD172.E52
Blood calcium levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning [Doves, ducks]. Peakall, D B; Miller, D S; Kinter, W B *Environ Pollut* 9 (4): 289-294. Ref. Dec 1975

029095 TD172.E52
The toxicity of DDE [dichlorodiphenyl dichloroethylene] to a marine dinoflagellate [Exuviella baltica, algae]. Powers, C D; Rowland, R G; Michaels, R R; Fisher, N S; Wurster, C F *Environ Pollut* 9 (4): 253-262. Ref. Dec 1975

029096 TD1.E58
Medical and toxicological research on dieldrin and related compounds. Jansen, J D *Environ Qual Saf* 5: 208-214. 1975

029097 TD1.E58
Technology assessment on the use of pesticides [In agriculture]. Ishikura, H *Environ Qual Saf* 5: 25-35. 1975

029098 TD1.E58
The development of agricultural antibiotics [biodegradable pesticides] in Japan. Misato, T *Environ Qual Saf* 5: 48-55. Ref. 1975

029099 TD1.E58
The evaluation of the teratogenic effects of 2,4,5-trichlorophenoxyacetic acid [herbicide] in the rhesus monkey. Dougherty, W J; Coulston, F; Golberg, l *Environ Qual Saf* 5: 89-96. Ref. 1975

029100 391.8 F73
Some effects of lindane on the microsomal enzymes of the rat liver [Pesticides, toxicity]. (Fre) Pelissier, M A; Manchon, P; Atteba, S; Albrecht, R *Food Cosmet Toxicol* 13 (4): 437-440. Ref. Eng. Sum. Aug 1975

S16.G9G4
Disinfection [of agricultural products] with methyl bromide [Residues]. (Gre) Parashos, G E *Geoponika* (Ser. 3) 21 (225): 210-216. July/Aug 1975

029101 26 H27
Licencing of pesticides, April-July 1975. (Heb) Yahalomi, Z *Hassadeh* 56 (1): 142-145. Oct 1975

029102 QR1.I53 1974
Microbial degradation of synthetic organic pesticides in rice soils. Yoshida, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 589-593. 1974 (Pub. 1975)

029103 QR1.I53 1974
Microbial modification of pesticides. Pramer, D *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 562-578. 1974 (Pub. 1975)

QR1.I53 1974
The development of agricltural antibiotics in Japan [Plant regulators, herbicides, insecticides, fungicides]. Misato, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 3): 589-597. Ref. 1974 (Pub. 1975)

029104 381 J8223
A comparison of analytical methods for chlorodibenzo-p-dioxins [contamination] in pentachlorophenol. Villanueva, E C; Jennings, R W; Burse, V W; Kimbrough, R D *J Agric Food Chem* 23 (6): 1089-1091. Nov/Dec 1975

381 J8223
Analysis of some carbamate and urea herbicides in foods by gas-liquid chromatography after alkylation [Residues]. Lawrence, J F; Laver, G W *J Agric Food Chem* 23 (6): 1106-1109. Nov/Dec 1975

029105 381 J8223
Characterization of bound residues of [the selective herbicide] nitrofen in cereal grains. Wargo, J P; Honeycutt, R C; Adler, I L *J Agric Food Chem* 23 (6): 1095-1097. Nov/-Dec 1975

029106 381 J8223
Characterization of bound residues of [the selective herbicide] nitrofen in rice and wheat straw. Honeycutt, R C; Adler, I L *J Agric Food Chem* 23 (6): 1097-1101. Ref. Nov/Dec 1975

029107 381 J8223
Endrin uptake in insecticide-resistant and susceptible mosquitofish (Gambusia affinis). Scales, E H; Yarbrough, J D *J Agric Food Chem* 23 (6): 1076-1079. Ref. Nov/Dec 1975

381 J8223
Fate of microbicidal 3-isothiazolone compounds in the environment: modes and rates of dissipation. Krzeminski, S F; Brackett, C K; Fisher, J D *J Agric Food Chem* 23 (6): 1060-1068. Ref. Nov/Dec 1975

381 J8223
Fate of microbicidal 3-isothiazolone compounds in the environment: products of degradation. Krzeminski, S F; Brackett, C K; Fisher, J D; Spinnler, J F *J Agric Food Chem* 23 (6): 1068-1075. Nov/Dec 1975

029108 381 J8223
Gas chromatographic characteristics of authentic chlorinated dibenzofurans; identification of two isomers in American and Japanese polychlorinated biphenyls. Bowes, G W; Mulvihill, M J; DeCamp, M R; Kende, A S *J Agric Food Chem* 23 (6): 1222-1223. Ref. Nov/Dec 1975

029109 381 J8223
Heptachlor and dieldrin [insecticides] disappearance from a field soil measured by annual residue determinations. Freeman, H P; Taylor, A W; Edwards, W M *J Agric Food Chem* 23 (6): 1101-1105. Ref. Nov/Dec 1975

029110 381 J8223
Metabolism of [systemic insecticide] thiofanox in cotton plants [Residues]. Holm, R E; Chin, W T; Wagner, D H; Stallard, D E *J Agric Food Chem* 23 (6): 1056-1060. Ref. Nov/Dec 1975

029111 381 J8223
Photolysis of benzoic acid 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on citrus leaves; residues]. Koshy, K T; Friedman, A R; VanDerSlik, A L; Graber, D R *J Agric Food Chem* 23 (6): 1084-1088. Ref. Nov/-Dec 1975

029112 381 J8223
Synthesis and carbon-13 studies of malathion acid derivatives. Wolfe, N L; Cox, R H; Gordon, J A *J Agric Food Chem* 23 (6): 1212-1215. Ref. Nov/Dec 1975

029113 424.8 J82
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] foraging on caged apple trees. Davis, M E; Free, J B; Stevenson, J H *J Apic Res* 13 (3): 213-215. 1974

424.8 J82
Repellent additives to reduce pesticide hazards to honeybees [Apis mellifera]: laboratory testing. Atkins, E L; Macdonald, R L; McGovern, T P; Beroza, M; Greywood-Hale, E A *J Apic Res* 14 (2): 85-97. Ref. 1975

029114 381 AS7
A rapid method for the determination of manganese ethylenebisdithiocarbamate [fungicide] and its residues on grains. Rangaswamy, J R; Vijayashankar, Y N *J Assoc Off Anal Chem* 58 (6): 1232-1234. Nov 1975

029115 381 AS7
Analysis of pesticides by chemical derivatization. I. A new procedure for the formation of 2-chloroethyl esters of ten herbicidal acids. Chau, A S Y; Terry, K *J Assoc Off Anal Chem* 58 (6): 1294-1301. Ref. Nov 1975

029116 381 AS7
Chlorobenzilate [Acaricides, residues]. Geissbuhler, H *J Assoc Off Anal Chem* 58 (6): 1266-1268. Nov 1975

029117 381 AS7
Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in monkey fecal samples [Human toxicology]. Yang, R S H; Coulston, F; Golberg, L *J Assoc Off Anal Chem* 58 (6): 1197-1201. Ref. Nov 1975

029118 381 AS7
Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in tobacco and vegetables. Ihnat, M; Thompson, B *J Assoc Off Anal Chem* 58 (6): 1235-1243. Nov 1975

381 AS7
Comparative study of methods for the extraction of eleven organophosphorus pesticide residues in rice. Aoki, Y; Takeda, M; Uchiyama, M *J Assoc Off Anal Chem* 58 (6): 1286-1293. Ref. Nov 1975

029119 381 AS7
Cyclodiene insecticides [Residues]. Porter, P E *J Assoc Off Anal Chem* 58 (6): 1259-1266. Ref. Nov 1975

029120 381 AS7
Determination of polybrominated biphenyl residues in dry animal feeds. Fehringer, N V *J Assoc Off Anal Chem* 58 (6): 1206-1210. Nov 1975

029121 381 AS7
Diazinon, azinphosmethyl, cyanophos, phoxim, and mocap. Fukunaga, K *J Assoc Off Anal Chem* 58 (6): 1268-1269. Ref. Nov 1975

029122 381 AS7
Diquat (in plants) [Herbicide residues]. Slade, P *J Assoc Off Anal Chem* 58 (6): 1282-1283. Nov 1975

029123 381 AS7
Evaluation: Ethylenethiourea [Ethylene bisdithiocarbamate fungicides, residues]. Kearney, P C *J Assoc Off Anal Chem* 58 (6): 1280. Nov 1975

029124 381 AS7
Evaluation: Lindane [Pesticide residues]. Hill, K R *J Assoc Off Anal Chem* 58 (6): 1257-1258. Ref. Nov 1975

029125 381 AS7
Evaluation of systemic fungicides [Residues] Ref. Gorbach, S *J Assoc Off Anal Chem* 58 (6): 1253-1255. Nov 1975

029126 381 AS7
Evaluation [Carbamate insecticides, residues]. Baron, R L *J Assoc Off Anal Chem* 58 (6): 1274-1277. Nov 1975

029127 381 AS7
Evaluation [Chlordimeform residues]. Geissbuhler, H *J Assoc Off Anal Chem* 58 (6): 1283-1285. Ref. Nov 1975

029128 381 AS7
Evaluation [Determination of phenylamide pesticides]. Abbott, D C *J Assoc Off Anal Chem* 58 (6): 1249-1253. Ref. Nov 1975

029129 381 AS7
Evaluation [Pesticide residue analysis]. Heuser, S G *J Assoc Off Anal Chem* 58 (6): 1277-1280. Ref. Nov 1975

029130 381 AS7
Evaluation: 2,3,7,8-tetrachlorodibenzo-p-dioxin [Herbicide residues]. Kearney, P C *J Assoc Off Anal Chem* 58 (6): 1281-1282. Nov 1975

029131 381 AS7
Fenitrothion [Residues]. Fukunaga, K *J Assoc Off Anal Chem* 58 (6): 1269-1271. Ref. Nov 1975

029132 381 AS7
Gas-liquid chromatographic determination of naled in pesticide formulations. Carlstrom, A A *J Assoc Off Anal Chem* 58 (6): 1162-1168. Ref. Nov 1975

029133 381 AS7
Hexachlorobenzene [Residues]. Hill, K R *J Assoc Off Anal Chem* 58 (6): 1259. Nov 1975

029134 381 AS7
IUPAC [International Union of Pure and Applied Chemistry] Commission on the development, improvement, and standardization of methods of pesticide residue analysis. Slade, P *J Assoc Off Anal Chem* 58 (6): 1244-1249. Ref. Nov 1975

029135 381 AS7
IUPAC [International Union of Pure and Applied Chemistry] Commission on terminal [pesticide] residues. Hill, K R *J Assoc Off Anal Chem* 58 (6): 1256-1257. Nov 1975

029136 381 AS7
Lindane metabolism in lettuce under controlled and natural conditions. Korte, F *J Assoc Off Anal Chem* 58 (6): 1258-1259. Nov 1975

029137 381 AS7
Methidathion [Residues]. Geissbuhler, H *J Assoc Off Anal Chem* 58 (6): 1273-1274. Nov 1975

029138 381 AS7
Monocrotophos [Residues]. Geissbuhler, H *J Assoc Off Anal Chem* 58 (6): 1271-1273. Nov 1975

029139 381 AS7
Organotin compounds. Abbott, D C *J Assoc Off Anal Chem* 58 (6): 1281. Nov 1975

421 J822
Pirimiphos-methyl as a protectant [from insect pests] for stored inshell almonds [Control effectiveness and residues]. Spitler, G H; Hartsell, P L *J Econ Entomol* 68 (6): 777-780. Dec 15, 1975

029140 56.9 IN2
Persistence and movement of simazine [herbicide] in soil. Joshi, O P; Datta, N P *J Indian Soc Soil Sci* 23 (2): 263-265. June 1975

029141 410 J827
Hazards to predators feeding on prairie voles killed with zinc phosphide [rodenticide]. Bell, H B; Dimmick, R W *J Wildl Manage* 39 (4): 816-819. Oct 1975

029142 410 J827
Long-term effects of [the avian frightening agent] 4-aminopyridine exposure to birds and fish. Schafer, E W Jr; Marking, L L *J Wildl Manage* 39 (4): 807-811. Oct 1975

029143 44.8 L143
Organochloric pesticides in milk of Haute-Vienne in spring 1974. (Fre) Nicolas, J A; Carassus, P; Allaire, S *Lait* 55 (548): 544-551. Ref. Eng. Sum. Sept/Oct 1975

029144 464.9 B833M
General precautionary measures in handling plant protection substances; guidelines of the Federal Health Office and the Federal Biological Institute. (Ger) *Merkbl Biol Bundesanst Land Forstwirtsch* 18 (Pt. 1), 28 P. May 1975

029145 20 M57
In-service storing of pesticides for agricultural enterprises. (Rus) Kastanek, C *Mezhdunar S-kh Zh* 6: 48-50. 1975

029146 S542.A1N45
Benomyl [methyl N-(l-butylcarbamoyl) benzimidazol-2-yl carbamate] residues [Fungicides in crops]. Brewerton, H V; Gibbs, M M *N Z J Exp Agric* 3 (3): 289-292. Sept 1975

029147 157.8 R29
Evaluation of the possible impact of pesticide legislation on research and development activities of pesticide manufacturers. Arthur, D. Little, inc. *PB Natl Tech Inf Serv Commer* 245023, 118 P. Feb 1975

029148 157.8 R29
Guidelines for the disposal of small quantities of unused pesticides. Lawless, E W; Ferguson, T L; Meiners, A F *PB Natl Tech Inf Serv Commer* 244557, 330 P. Ref. June 1975

029149 SB951.A1P41
Insecticide residues in the Tuttle Creek Reservoir ecosystem, Kansas—1970-71. Klaassen, H E; Kadoum, A M *Pestic Monit J* 9 (2): 89-93. Map. Ref. Sept 1975

029150 SB951.A1P41
Occurrence of chlorinated hydrocarbon insecticides, southern Florida—1968-72. Mattraw, H C Jr *Pestic Monit J* 9 (2): 106-114. Map. Ref. Sept 1975

029151 SB951.A1P41
Organochlorine pesticide residues in human milk, Western Australia—1970-71. Stacey, C I; Thomas, B W *Pestic Monit J* 9 (2): 64-66. Ref. Sept 1975

029152 SB951.A1P41
Organochlorine pesticide residues in small migratory birds, 1964-73 [in Florida]. Johnston, D W *Pestic Monit J* 9 (2): 79-88. Ref. Sept 1975

029153 SB951.A1P41
Pesticide residues in Total Diet samples. VIII. Manske, D D; Johnson, R D *Pestic Monit J* 9 (2): 94-105. Ref. Sept 1975

SB951.P47
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, carrot insect pests]. Suett, F L *Pestic Sci* 6 (4): 385-393. Ref. Aug 1975

029154 464.9 P482
Plant protection substances and residues [Pesticides, agricultural products]. (Ger) Maier-Bode, H *Pflanzenarzt* 28 (8): 95-98. Aug 1975

029155 GB1627.G8C6
Dieldrin and DDT: accumulation from water and food by lake trout (Salvelinus namaycush) in the laboratory. Reinert, R E; Stone, L J; Bergman, H L *Proc Conf Great Lakes Res* 17th (Pt. 1): 52-58. 1974

029156 79.9 N213
Bioassay techniques for the determination of herbicide residues [in soil]. Rahman, A; Cox, T I *Proc N Z Weed Pest Control Conf* 28th: 96-100. 1975

029157 79.9 N213
Quality of 2,4,5-T [trichlorophenoxyacetic acid] available in New Zealand. Mason, G W *Proc N Z Weed Pest Control Conf* 28th: 126-129. 1975

79.9 N213
Recent developments in the use of aldrin, dieldrin and 2,4,5-T [trichlorophenoxyacetic acid] in the USA [Legislation]. Watts, B B *Proc N Z Weed Pest Control Conf* 28th: 122-125. 1975

029158 79.9 N213
Residual activity of atrazine, alachlor and linuron under different soil and climatic conditions. Rahman, A; Manson, B E; Burney, B; Whitham, J M *Proc N Z Weed Pest Control Conf* 28th: 104-108. Ref. 1975

029159 79.9 N213
Soil residues of picloram applied aerially to New Zealand brushweeds [Ulex europaeus, Leptospermum scoparium]. MacDiarmid, B N *Proc N Z Weed Pest Control Conf* 28th: 109-114. Map. 1975

029160 79.9 N213
The mass diffusion of three organophosphate insecticides into a range of New Zealand soils. Udy, P B *Proc N Z Weed Pest Control Conf* 28th: 115-118. 1975

029161 S293.C6N31
Determination of pesticide residue in crops by means of neutron activation technique. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 269-282. Ref. Eng. Sum. 1974

029162 S293.C6N31
Research on pesticide residues in food. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 283-287. 1974

029163 S293.C6N31
Research on pesticide residues in the environment. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 294-302. 1974

029164 S293.C6N31
Research on pesticides residues in exported commodities [Food]. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 303-310. 1974

029165 S293.C6N31
Research on quality of pesticides. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 311-315. 1974

029166 S293.C6N31
Study on residual life of pesticides on/in vegetable crops. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 288-293. 1974

029167 382 P97
Circulation of pesticides in the biosphere. Medved, L I *Pure Appl Chem* 42 (1/2): 119-128. Ref. 1975

029168 382 P97
Ecochemistry of BHC [benzene hexachloride] in Czechoslovakia. Rosival, L; Szokolay, A *Pure Appl Chem* 42 (1/2): 167-176. Ref. 1975

029169 382 P97
Factors that affect the persistence of pesticides in plants and soils. Edwards, C A *Pure Appl Chem* 42 (1/2): 39-56. Ref. 1975

029170 382 P97
Organochlorine compounds in the general population of the seventies and some of their biological effects (in man and animals). Wassermann, M; Tomatis, L; Wassermann, D *Pure Appl Chem* 42 (1/2): 189-208. Ref. 1975

029171 382 P97
Pesticide residues in some Baltic animals—a review of selected literature. Bagge, P *Pure Appl Chem* 42 (1/2): 129-137. Ref. 1975

029172 382 P97
Problems and aspects of present-day [pesticide] residue analysis. Frehse, H *Pure Appl Chem* 42 (1/2): 17-37. Ref. 1975

029173 382 P97
Progress in pesticide toxicology in the USSR. Medved, L I *Pure Appl Chem* 42 (1/2): 67-76. 1975

029174 382 P97
The content of polychlorinated hydrocarbons in Arctic ecosystems. Clausen, J; Berg, O *Pure Appl Chem* 42 (1/2): 223-232. Ref. 1975

029175 382 P97
The future of the development of pesticides by industry. Knusli, E *Pure Appl Chem* 42 (1/2): 77-87. Ref. 1975

029176 382 P97
The use of biological tests for the examination of pesticides. Kaminski, A *Pure Appl Chem* 42 (1/2): 255-284. Ref. 1975

029177 382 P97
The value of worldwide pesticide residue monitoring systems. Dunn, C L *Pure Appl Chem* 42 (1/2): 177-188. 1975

029178 382 P97
Transport mechanisms for pesticides in the atmosphere. Junge, C E *Pure Appl Chem* 42 (1/2): 94-104. Ref. 1975

382 P97
Transport mechanism in soil. Metabolism and movement of insecticides from soils into water and crop plants. Lichtenstein, E P *Pure Appl Chem* 42 (1/2): 113-118. 1975

029179 382 P97
Use of biological tests for evaluation of pesticides. Kenaga, E E *Pure Appl Chem* 42 (1/2): 285-299. Ref. 1975

SF713.K8A3
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. (Kor) Cho, T H; Cho, J H; Whang, D W *Res Rep Off Rural Dev* 17: 61-70. Ref. Eng. Sum. Aug 1975

029180 61.9 SE5
Formulations for seed treatment [Fungicides, insecticides]. (Rus) Ivshina, N N *Sel Semenovod (Mosk)* 4: 71-73. Jul/Aug 1975

474 UM7
Illicitly high pesticide residues in forest berries [and mushrooms]. (Ger) Wellenstein, G *Umschau* 75 (16): 510-512. Ref. Eng. Sum. Aug 15, 1975

029181 292.9 AM34
The effects of dipotassium endothall [herbicides] on the zooplankton and water quality of a small pond. Serns, S L *Water Resour Bull* 11 (6): 1221-1231. Dec 1975

029182 79.8 W412
Residues of atrazine, simazine, linuron and diuron after repeated annual applications in a peach orchard. Marriage, P B; Saidak, W J; Von Stryk, F G *Weed Res* 15 (6): 373-379. Ref. 5

029183 79.8 W41
A rainfall simulator for pesticide leaching studies. Brockman, F E; Duke, W B; Hunt, J F *Weed Sci* 23 (6): 533-535. Nov 1975

029184 421 Z36
Effect of night temperature on the toxicity of field-weathered mevinphos residues to honeybees. Benedek, P *Z Angew Entomol* 79 (3): 328-331. Nov 1975

029185 421 Z1
Chemical protection of plants and preservation of human health. (Rus) Medved', L I; Kryzhanovskaia, M V *Zashch Rast* 2: 6-10. Feb 1975

029186 421 Z1
Control for crop protection [Pesticides, application, Armenia]. (Rus) Safarian, S E *Zashch Rast* 2: 13-15. Feb 1975

029187 421 Z1
Express method of determining quality of seed treatment [with pesticides]. (Rus) Prokof'ev, O N; Kurilo, N G *Zashch Rast* 2: 42. Feb 1975

421 Z1
Maximum admissible pesticide residues in food products. (Rus) *Zashch Rast* 5: 40-41. May 1975

029188 421 Z1
New sanitary regulations [Pesticides]. (Rus) Shestopalov, I A *Zashch Rast* 1: 30-32. Jan 1975

029189 421 Z1
Rational and safe use of pesticides. (Rus) Kuznetsova, N F *Zashch Rast* 2: 53-55. Feb 1975

029190 421 Z1
Use of pesticides under strict analytical control. (Rus) Golubov, IU A *Zashch Rast* 6: 14-15. June 1975

GENERAL ENTOMOLOGY

029191 434.8 AC1
Fine structure of vas deferens wall in the mite, Pergamasusviator Halas, (Mesostigmata, Parasitidae). Witalinski, W *Acarologia* 17 (2): 197-207. Ref. Oct 1975

029192 434.8 AC1
Notes on Oribatidae. (Fre) Fonseca, J P C da *Acarologia* 17 (2): 320-330. Ref. Eng. Sum. Oct 1975

029193 434.8 AC1
Observations on the species Cosmogneta kargi Grandjean 1963: the protonymph and tritonymph. Supplements to the study of Gnathosoma. (Fre) Lions, J C *Acarologia* 17 (2): 346-363. Ref. Eng. Sum. Oct 1975

029194 434.8 AC1
Spider mite [Tetranychus cinnabarinus] webbing. II. The effect of webbing on egg hatchability. Hazan, A; Gerson, U; Tahori, A S *Acarologia* 17 (2): 270-273. Ref. Oct 1975

029195 434.8 AC1
The effect of mean winter temperature around o degrees centigrade on the population size of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). McEnroe, W D *Acarologia* 17 (2): 208-219. Ref. Oct 1975

029196 QL508.A2A2
A Synopsis of food selection in Argentine Acridoidea. Gangwere, S K; Ronderos, R A *Acrida* 4 (4): 173-194. Map. Ref. Oct/Dec 1975

029197 QL508.A2A2
Imaginal differentiation of the spermiduct in Acridids: effects of juvenile hormone [Locusta migratoria, Schistocerca gregaria]. Szollosi, A *Acrida* 4 (4): 205-216. Ref. Oct/-Dec 1975

029198 QL508.A2A2
Morphology of the male sex organs, spermatophore formation and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). Ewen, A B; Pickford, R *Acrida* 4 (4): 195-203. Oct/Dec 1975

029199 QL508.A2A2
Sulphonamide antibiotic control of Malameba locustae (King & Taylor) and its effect on grasshoppers. Henry, J E; Oma, E A *Acrida* 4 (4): 217-226. Ref. Oct/Dec 1975

029200 QL508.A2A2
The size and physiological activity of disconnected corpora allata in Locusta migratoria migratorioides (R. & F.). (Fre) Habai, J C; Garcin, J E *Acrida* 4 (4): 227-236. Ref. Eng. Sum. Oct/Dec 1975

029201 QL508.A2A2
Ultrastructure of Malameba locustae (K. & T.), a protozoan parasite of locusts. Hanrahan, S A *Acrida* 4 (4): 237-249. Ref. Oct/-Dec 1975

029202 QP901.A33
Biochemical aspects of juvenile hormone action in insects. Akamatsu, Y; Dunn, P E; Kezdy, F J; Kramer, K J; Law, J H; Reibstein, D; Sanburg, L L *Adv Exp Med Biol* 62: 123-149. Ref. 1975

029203 QP901.A33
The insect chorion: programmed expression of specific genes during differentiation. Kafatos, F C *Adv Exp Med Biol* 62: 103-121. Ref. 1975

4 AM34P
Alfalfa flower color associated with differential seed set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. Goplen, B P; Brandt, S A *Agron J* 67 (6): 804-806. Ref. Nov/Dec 1975

029204 410 M58
Change of web site in Argiope spiders (Araneidae). Enders, F *Am Midl Nat* 94 (2): 485-490. Ref. Oct 1975

029205 410 M58
Life histories of three species of Corixidae (Hemiptera: Heteroptera) from western Colorado [Callicorixa audeni, Cenocorixa bifida, Arctocorisa lawsoni]. Dodson, V E *Am Midl Nat* 94 (2): 257-266. Ref. Oct 1975

029206 470 AM36
The influence of hunting manner on prey size, particularly in spiders with long attack distances (Araneidae, Linyphiidae, and Salticidae). Enders, F *Am Nat* 109 (970): 737-763. Ref. Nov/Dec 1975

029207 75.8 P842
Jay P. Sleesman, 1904-1975 [Entomologists]. Forsythe, H Y Jr *Am Potato J* 52 (11): 373-374. Nov 1975

029208 410 B77
Burrow-blocking behaviour in Geolycosa wrightii (Araneae: Lycosidae). Gwynne, D T; Watkiss, J *Anim Behav* 23 (4): 953-956. Nov 1975

029209 410 B77
Differential posteclosion housing experiences and reproduction in Drosophila. Ellis, L B; Kessler, S *Anim Behav* 23 (4): 949-952. Ref. Nov 1975

029210 410 B77
Larval recognition by workers of the ant Myrmica [rubra, Myrmica scabrinodis]. Brian, M V *Anim Behav* 23 (4): 745-756. Ref. Nov 1975

029211 410 B77
Territorial behaviour by males of Philanthus multimaculatus(Hymenoptera: Sphecidae) with a review of territoriality in male sphecids. Alcock, J *Anim Behav* 23 (4): 889-895. Ref. Nov 1975

029212 420 EN82
An SEM [scanning electron microscope] study of stridulatory structures of a grasshopper [Paktia gardezae] from Afghanistan. Lawson, F A; Pfadt, R E *Ann Entomol Soc Am* 68 (6): 997-1000. Nov 1975

029213 420 EN82
Appressoria formation by Aspergillus parasiticus on bagworm[Thyridopteryx ephemeraeformis] cuticle. Berisford, Y C; Tsao, C H *Ann Entomol Soc Am* 68 (6): 1111-1112. Ref. Nov 1975

029214 420 EN82
Colony organization and queen numbers in two species of Conomyrma [flavopecta, Conomyrma insana]. Nickerson, J C; Cromroy, H L; Whitcomb, W H; Cornell, J A *Ann Entomol Soc Am* 68 (6): 1083-1085. Nov 1975

029215 420 EN82
Courtship behavior and use of chemical communication by males of certain species of ithomiine butterflies (Nymphalidae: Lepidoptera) [Danainae]. Pliske, T E *Ann Entomol Soc Am* 68 (6): 935-942. Ref. Nov 1975

029216 420 EN82
Descriptions of first and second instars of Praecocaspis diversa Ferris (Homoptera: Diaspididae). Howell, J O; Tippins, H H *Ann Entomol Soc Am* 68 (6): 1028-1032. Nov 1975

029217 420 EN82
Dispersal of marked boll weevil [Anthonomus grandis]: 19701973 studies. Johnson, W L; Cross, W H; Leggett, J E; McGovern, W L; Mitchell, H C; Mitchell, E B *Ann Entomol Soc Am* 68 (6): 1018-1022. Maps. Ref. Nov 1975

029218 420 EN82
Effects of developmental photoperiod on adult morphology in Euschistus tristigmus tristigmus (Say) (Hemiptera: Pentatomidae). McPherson, J E *Ann Entomol Soc Am* 68 (6): 1107-1110. Nov 1975

029219 420 EN82
Ethology of Efferia frewingi (Diptera: Asilidae). Lavigne, R J; Dennis, D S *Ann Entomol Soc Am* 68 (6): 992-996. Ref. Nov 1975

029220 420 EN82
Natural products of abdominal and metathoracic scent glands of coreoid bugs [Coreidae]. Aldrich, J R; Yonke, T R *Ann Entomol Soc Am* 68 (6): 955-960. Ref. Nov 1975

029221 420 EN82
Physical gill efficiency and winter dormancy in the pigmy backswimmer, Neoplea striola (Hemiptera: Pleidae). Gittelman, S H *Ann Entomol Soc Am* 68 (6): 1011-1017. Ref. Nov 1975

029222 420 EN82
Quantitative aspects of Simulium virgatum Coq. And Simulium species life history in a southern Oklahoma stream. Reisen, W K *Ann Entomol Soc Am* 68 (6): 949-954. Ref. Nov 1975

029223 420 EN82
Trial-following by the army ant, Neivamyrmex nigrescens: responses by workers to volatile odors. Topoff, H; Mirenda, J *Ann Entomol Soc Am* 68 (6): 1044-1046. Nov 1975

029224 QH91.A1A5
The drift of aquatic and terrestrial invertebrates in a stream of the Massif Central, Couze Pavin [Includes insects]. (Fre) Neveu, A; Echaubard, M *Ann Hydrobiol* 6 (1): 1-26. Ref. Eng. Sum. 1975

029225 448.3 AN75
Study of the vertical transmission and horizontal transmission of Drosophila melanogaster and Drosophila immigrans Picornavirus. (Fre) Jousset, F X; Plus, N *Ann Microbiol* 125B (2): 231-249. Ref. Eng. Sum. Sept 1975

029226 420 F84
Ecological study of the Tenebrionidae of the Lamto savanna (Ivory Coast). (Fre) Girard, C *Ann Soc Entomol Fr* 11 (2): 335-381. Map. Ref. Eng. Sum. Apr/June 1975

029227 420 F84
Muscular anatomy of Ips sexdentatus (Coleoptera, Scolytidae). (Fre) Termier, M *Ann Soc Entomol Fr* 11 (2): 411-423. Eng. Sum. Apr/June 1975

029228 410 AN79
Comparative morphology of the male genitalia in the subfamily Hydrophilinae (Coleoptera, Hydrophilidae). I. Tribe Hydrophilini. Watanabe, N *Annot Zool Jap* 48 (2): 129-137. June 1975

029229 410 AN79
Subculturing of cells from the embryo of the green rice leafhopper, Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). Mitsuhashi, J *Annot Zool Jap* 48 (3): 139-147. Ref. Sept 1975

029230 QH540.A55
Butterfly ecology. Gilbert, L E; Singer, M C *Annu Rev Ecol Syst* 6: 365-397. Ref. 1975

029231 QH540.A55
Cannibalism in natural populations [Insects, animals]. Fox, L R *Annu Rev Ecol Syst* 6: 87-106. Ref. 1975

029232 QH540.A55
Ecological aspects of [animals, insects] spatial orientation. Jander, R *Annu Rev Ecol Syst* 6: 171-188. 1975

QH540.A55
Energetics of pollination [Food plants, insect pollinators]. Heinrich, B *Annu Rev Ecol Syst* 6: 139-170. Ref. 1975

029233 QH540.A55
Modes of animal speciation [Insects]. Bush, G L *Annu Rev Ecol Syst* 6: 339-364. Ref. 1975

QH540.A55
Spectral analysis in ecology [Plants, insects]. Platt, T; Denman, K L *Annu Rev Ecol Syst* 6: 189-210. Ref. 1975

029234 QH431.A1A5
Redundant genes. Tartof, K D *Annu Rev Genet* 9: 355-385. Ref. 1975

QH431.A1A5
Some aspects of recombination in eukaryotic organisms. Hastings, P J *Annu Rev Genet* 9: 129-144. Ref. 1975

QH431.A1A5
Synaptonemal complex and chromosome structure. Gillies, C B *Annu Rev Genet* 9: 91-109. Ref. 1975

029235 410 AR24
A compared biometrical analysis of some quantitative characters of Drosophila melanogaster. (Fre) Thomas-Orillard, M *Arch Zool Exp Gen* 116 (2): 245-254. Ref. Eng. Sum. 1975

029236 410 AR24
A study of variability and size allometry during postembryonal development of Notonecta maculata Fabricius (Insecta, Heteroptera). (Fre) Cuzin-Roudy, J *Arch Zool Exp Gen* 116 (2): 173-227. Ref. Eng. Sum. 1975

029237 410 AR24
Influence of external factors on the oogenetic cycle of Lithobius forficatus L. (Myriapoda, Chilopoda). (Fre) Herbaut, C *Arch Zool Exp Gen* 116 (2): 293-302. Ref. Eng. Sum. 1975

029238 410 AR24
Melanism and climate. I. Study of the variation of the marble white butterfly, Melanargia galathea (Lepidoptera, Satyridae), in France. (Fre) Descimon, H; Renon, C *Arch Zool Exp Gen* 116 (2): 255-292. Eng. Sum. 1975

029239 410 AR24
The theory of the selective neutrality of proteins polymorphisms [Drosophila]. (Fre) Ayala, F J *Arch Zool Exp Gen* 116 (2): 149-172. Ref. Eng. Sum. 1975

029240 AS21.A75U53
Aspirator for collecting and separating small insects [Lepidoptera, Coleoptera]. Mullen, M A; Zehner, J M; Bourinot, L M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 78, 4 P. Nov 1975

029241 AS21.A75U53
Solid-state light-intensity controller [for incandescent lamps] for [entomological and] biological research. Beerwinkle, K R; Berry, I L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 77, 5 P. Ref. Nov 1975

029242 S900.A8
Coming of the giant wasps [Hymenoptera]. Eiseley, L *Audubon* 77 (5): 34-39. Sept 1975

029243 S900.A8
First on the wind [Insects, flight]. Dalton, S; Evans, H E *Audubon* 77 (5): 48-61. Sept 1975

029244 S900.A8
Of chitin, thorax, and a billion years [Insects]. Dalton, S *Audubon* 77 (5): 62-63. Sept 1975

029245 S900.A8
To pollinate an orchid [Orchidaceae, insect pollinators]. Dowden, A O *Audubon* 77 (5): 40-47. Sept 1975

029246 442.8 AU73
A note on the macrofauna of a temporary rainpool in semi-arid western Australia [Insects]. Williams, W D *Aust J Mar Freshwater Res* 26 (3): 425-429. Ref. Nov 1975

029247 424.8 B472
Is there an apparent rhytmn of Lachnidae yearly occurrence, especially in honeydew producers on Abies? (Ger) Schmid, S *Bienenvater* 95 (1): 18-22. Jan 1976

029248 424.8 B4794
A few words on the melizitoze producer [Cinara pilicornis] on the spruce [Honeydew, apiculture]. (Ger) Egger, A *Bienenwelt* 17 (12): 246-253. Dec 1975

029249 442.8 B5236
Selective changes in methionine tRNA species during development of the posterior silkglands of Bombyx mori. Araya, A; Krauskopf, M; Siddiqui, M A Q *Biochem Biophys Res Commun* 67 (3): 924-934. Ref. Dec 1, 1975

029250 442.8 B5236
The conversion of dihydroneopterin triphosphate to sepiapterin by an enzyme from Drosophila melanogaster. Fan, C L; Krivi, G G; Brown, G M *Biochem Biophys Res Commun* 67 (3): 1047-1054. Ref. Dec 1, 1975

029251 382 B52
Mode of formation of cholesta-5,7-dien-3beta-ol from cholest-5-en-3beta-ol by larvae of Calliphora erythrocephala. Johnson, P; Cook, I F; Rees, H H; Goodwin, T W *Biochem J* 152 (2): 303-311. Ref. Nov 1975

029252 442.8 B52
Dynamics of juvenile hormone action in larvae of the tobacco hornworm, Manduca sexta (L.). Nijhout, H F *Biol Bull* 149 (3): 568-579. Ref. Dec 1975

029253 442.8 B52
Juvenile hormone titers in hemolymph during late larval development of the tobacco hornworm, Manduca sexta (L.). Fain, M J; Riddiford, L M *Biol Bull* 149 (3): 406-521. Ref. Dec 1975

029254 442.8 B52
Ultrastructure of the pigmentary system and chromatophorotropic activity in land isopods. Castrucci, A M de L; Mendes, E G *Biol Bull* 149 (3): 467-479. Ref. Dec 1975

029255 QH301.B58
Studies of the [invertebrate] zoocenosis of a "natural" environment: the Brachypodium phoenicoides land in lower Provence [Insects included]. (Fre) Dosso, H; Bigot, L; Bodot, P *Biol Ecol Med* 1 (4): 127-137. Map. Ref. Eng. Sum. 1974

029256 442.8 B523
Experimental investigation of the circadian locomotor activity of Blattella germanica L. (Dictyoptera, Blattellidae). (Ger) Sommer, S H *Biol Zentralbl* 94 (3): 455-467. Ref. Eng. Sum. July/Aug 1975

029257 442.8 B523
Physiological analysis of through-conducting systems in the ventral nerve cord of the scorpions, Heterometrus fulvipes C. Koch. Venkatachari, S A T *Biol Zentralbl* 94 (3): 409-422. Ref. July/Aug 1975

029258 107.6 T5762
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis mellifera] brood. Okada, I; Matsuka, M; Tani, M *Bull Fac Agric Tamagawa Univ* 14: 26-32. Ref. 1974

029259 107.6 T5762
The effect of temperature and other factors on the expression of elytral pattern in lady beetle, Harmonia axyridis Pallas. (Jpn) Sakai, T; Uehara, Y; Matsuka, M *Bull Fac Agric Tamagawa Univ* 14: 33-39. Ref. Eng. Sum. 1974

029260 505 P21 (3)
Allatectomy and imaginal diapause in females of Tetrix undulata (Sow.) (Orthoptera, Tetrigidae). (Fre) Poras, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 663-665. Eng. Sum. Sept 8, 1975

029261 505 P21 (3)
Comparison between the zymograms of two insect cell lines: Antheraea eucalypti and Malacosoma disstria (Lepidoptera). (Fre) Monget, D *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 651-654. Ref. Eng. Sum. Sept 8, 1975

029262 505 P21 (3)
Contribution to the study of the biology and polygyny of the ant Tapinoma simrothi phoenicium Emery. (Fre) Hage, N; Hanna, C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1003-1005. Eng. Sum. Oct 6, 1975

029263 505 P21 (3)
Determination of the diet of phytaphagous animals based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Application to food selection by Orthoptera, Acridiida. (Fre) Gueguen, A; Cherouvrier, A; Lefeuvre, J C *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 929-932. Eng. Sum. Sept 29, 1975

029264 505 P21 (3)
Effects of cautery of the pars intercerebralis on the moulting process in Aeshna cyanea larvae. (Fre) Charlet, M; Schaller, F *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 831-834. Eng. Sum. Sept 22, 1975

029265 505 P21 (3)
Electron microscope studies of reticulated cellular structures induced by baculoviruses in Lepidoptera. (Fre) Crozier, G; Quiot, J M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 1055-1057. Eng. Sum. Oct 6, 1975

029266 505 P21 (3)
Fine structure of the clypeal gland of male spiders belonging to the genus Argyrodes [gibbosus] (Theridiidae). (Fre) Legendre, R; Lopez, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1101-1103. Eng. Sum. Oct 13, 1975

029267 505 P21 (3)
Haemocytic reactions in Lepidoptera pupae. Intensity of the reaction at differents regions of the pupae body of Pieris brassicae. (Fre) Carton, Y *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 579-582. Ref. Eng. Sum. Sept 1, 1975

029268 505 P21 (3)
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). (Fre) Etienne, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1183-1186. Ref. Eng. Sum. Oct 20, 1975

029269 505 P21 (3)
Influence of a juvenile hormone analogue on the ovarian function in allatectomised females of Labidura riparia (Insecta, Dermaptera). (Fre) Breuzet, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (12): 815-818. Ref. Eng. Sum. Sept 22, 1975

029270 505 P21 (3)
Juvenile hormone titre in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. (Fre) Girardie, J; Joly, L *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 719-722. Ref. Eng. Sum. Sept 15, 1975

029271 505 P21 (3)
Moulting hormone and cuticle synthesis by epidermal cells of in vitro cultured cockroach embryos [Blabera cranifer]. (Fre) Bulliere, F; Bulliere, D *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 925-928. Ref. Eng. Sum. Sept 29, 1975

029272 505 P21 (3)
"Porapak Q" adsorption of airborne organic compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. (Fre) Weatherston, I; Descoins, C; Grant, G G *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1111-1114. Ref. Eng. Sum. Oct 13, 1975

029273 505 P21 (3)
Purine metabolism pathway in Drosophila melanogaster cells grown in vitro: utilization of adenosine. (Fre) Becker, J L *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (15): 1171-1174. Eng. Sum. Oct 20, 1975

029274 505 P21 (3)
Role of the perisympathetic organs in the activation of oviposition in Galleria mellonella (Lepidoptera). (Fre) Mesnier, M; Provansal, A *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 905-907. Eng. Sum. Sept 29, 1975

029275 505 P21 (3)
Social communications among the spiders, Agelena consociataD. (Araneida, Labidognatha). (Fre) Darchen, R J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 575-578. Eng. Sum. Sept 1, 1975

029276 505 P21 (3)
Social learning by the termite Reticulitermes lucifugus santonensis. (Fre) Goldberg, J *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (10): 667-670. Eng. Sum. Sept 8, 1975

029277 505 P21 (3)
The imaginal diapause-break in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). (Fre) Poras, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 551-554. Ref. Eng. Sum. Sept 1, 1975

029278 505 P21 (3)
The mechanism controlling the crossing of the vector's stomach wall by microfilariae (Dipetalonema desae-Aedes aegypti). (Fre) Bain, O; Chabaud, A G *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (16): 1199-1202. Eng. Sum. Oct 20, 1975

029279 505 P21 (3)
Ultrastructure of the perispathetic organs of the tsetse fly Glossina fuscipes quanzenis (Muscidae). (Fre) Baudry-Partiaoglou, N; Grillot, J P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (13): 921-924. Ref. Eng. Sum. Sept 29, 1975

029280 421 C16
An exceptionally early and informative arrival of adult Anax junius in Ontario (Odonata: Aeshnidae). Butler, T; Peterson, J E; Corbet, P S *Can Entomol* 107 (12): 1253-1254. Dec 1975

029281 421 C16
Effects of photoperiod and size on flight activity and oviposition in the eastern spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae). Sanders, C J; Lucuik, G S *Can Entomol* 107 (12): 1289-1299. Ref. Dec 1975

029282 421 C16
Influence of other insects on production of horn fly, Haematobia irritans (Diptera: Muscidae), from cattle dung in south central British Columbia. MacQueen, A; Beirne, B P *Can Entomol* 107 (12): 1255-1264. Ref. Dec 1975

029283 421 C16
Laboratory crossings with different sources of the larch casebearer parasite Chrysocharis laricinellae (Hymenoptera: Eulophidae). Ryan, R B; Yoshimoto, C M *Can Entomol* 107 (12): 1301-1304. Ref. Dec 1975

029284 421 C16
Orientation and dispersal of late-stage larvae of Porthetria dispar (Lepidoptera: Lymantriidae). Doane, C C; Leonard, D E *Can Entomol* 107 (12): 1333-1338. Dec 1975

029285 421 C16
Photoperiod effects on development of the larch casebearer, Coleophora laricella (Lepidoptera: Coleophoridae). Ryan, R B *Can Entomol* 107 (12): 1305-1310. Ref. Dec 1975

029286 421 C16
Population and mortality assessment during the cocoon stage of the alfalfa weevil, Hypera postica (Coleoptera: Curculionidae). Harcourt, D G; Guppy, J C *Can Entomol* 107 (12): 1275-1280. Ref. Dec 1975

029287 421 C16
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory [Quercus, Carya] forest in Missouri. Roling, M P; Kearby, W H *Can Entomol* 107 (12): 1315-1320. Dec 1975

029288 421 C16
Simulation of temperature-dependent development in population dynamics models [Anthonomus grandis, Trichoplusia ni, Heliothis zea]. Stinner, R E; Butler, G D Jr; Bacheler, J S; Tuttle, C *Can Entomol* 107 (11): 1167-1174. Nov 1975

029289 421 C16
Synchronization of function in the foregut of the blowfly Phormia regina (Diptera: Calliphoridae) during the crop-emptying process. Thomson, A J *Can Entomol* 107 (11): 1193-1198. Ref. Nov 1975

029290 421 C16
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to germinating grain and to carbon dioxide. Doane, J F; Lee, Y W; Klingler, J; Westcott, N D *Can Entomol* 107 (12): 1233-1252. Ref. Dec 1975

443.8 C16
Abstracts of papers presented at the twentieth annual meeting of the Genetics Society of Canada, Saskatchewan, 1975. Genetics Society of Canada *Can J Genet Cytol* 17 (3): 455-469. Sept 1975

029291 443.8 C16
Genetic control of susceptibility to hydroxyproline in Drosophila [melanogaster]. Rapport, E W *Can J Genet Cytol* 17 (3): 375-379. Ref. Sept 1975

029292 443.8 C16
Homoeotic effect of the tumorous-head mutant and differential effect of an enhancer gene in the tumorous-head strain of Drosophila melanogaster. Kuhn, D T; Dorgan, S F *Can J Genet Cytol* 17 (3): 423-432. Ref. Sept 1975

029293 QH581.A1Z4
Light and electron microscopy of the hepatopancreas of the isopod Acellus intermedius. Smith, J M; Nadakavukaren, M J; Hetzel, H R *Cell Tissue Res* 163 (3): 403-410. 1975

029294 QH581.A1Z4
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of Antheraea polyphemus (Lepidoptera). II. Changes after motor nerve section. Nuesch, H; Stocker, R F *Cell Tissue Res* 164 (3): 331-355. Ref. 1975

029295 QH581.A1Z4
Ultrastructure of the larval firefly light organ as related to control of light emission [Photuris pennsylvanica]. Oertel, D; Linberg, K A; Case, J F *Cell Tissue Res* 164 (1): 27-44. Ref. 1975

029296 QD241.K453
Glycopeptides from chitin [Insects and crustaceans]. Odinokova, L YU; Molodtsov, N V *Chem Nat Compd* 10 (1): 136. Jan/Feb 1974 (Transl. 1975)

029297 442.8 C46
Chromosomal basis of dosage compensation in Drosophila. VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. Mukherjee, A S; Chatterjee, S N *Chromosoma* 53 (2): 91-105. Ref. 1975

029298 442.8 C46
Genes controlling chromosome activity: the role of genes blocking Y-lampbrush loop propagation [Drosophila hydei]. Lifschytz, E *Chromosoma* 53 (3): 231-341. Ref. 1975

029299 442.8 C46
Independent replication of the ribosomal RNA genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. Renkawitz, R; Kunz, W *Chromosoma* 53 (2): 131-140. Ref. 1975

029300 442.8 C46
Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The chromosome races and their structural and evolutionary relationships. Craddock, E M *Chromosoma* 53 (1): 1-24. Map. Ref. 1975

029301 442.8 C46
Q-, C-, and G-banding patterns in the germline and somatic shromosomes of Miastor sp. (Diptera: Cecidomyidae). Bregman, A A *Chromosoma* 53 (2): 119-130. Ref. 1975

029302 442.8 C46
X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. Israelewski, N *Chromosoma* 53 (3): 243-263. Ref. 1975

029303 Q33.C5
Competition of Drosophila. II. Consistency of one generation test in the measurement of interference. (Por) Vartanian, G *Cienc Cult Soc Bras Para Progr Cienc* 27 (3): 272-273. Eng. Sum. Mar 1975

029304 Q33.C5
Cytological studies in Brazilian Acrididae: Aleuas gracilis, a species with a highly developed sex determining mechanism of the Neo XY type. (Por) Ferreira, A *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 426-432. Eng. Sum. Apr 1975

029305 Q33.C5
DNA replication and DNA puffs in salivary chromosomes of Rhynchosciara. Machado-Santelli, G M; Basile, R *Cienc Cult Soc Bras Para Progr Cienc* 27 (2): 167-174. Ref. Feb 1975

029306 Q33.C5
Polytene chromosomes: differences in molecular structure as revealed by metachromatic basophilia [Rhynchosciara americana]. (Por) Vidal, B de C *Cienc Cult Soc Bras Para Progr Cienc* 27 (1): 54-56. Jan 1975

029307 Q33.C5
Puffs in the heterochromatin in chromosomes of Rhynchosciara. Simoes, L C G; Amabis, J M; Cestari, A N *Cienc Cult Soc Bras Para Progr Cienc* 27 (2): 159-161. Feb 1975

029308 Q33.C5
Testis and ovary development in Rhychosciara. (Por) Basile, R; Casartelli, C; Benozzati, M L *Cienc Cult Soc Bras Para Progr Cienc* 27 (2): 151-158. Ref. Eng. Sum. Feb 1975

029309 Q33.C5
The constitutive heterochromatin in Dichroplus silveiraguidoi (Acrididae, Orthoptera). (Spa) Cardoso, H; Saez, F A; Brum-Zorrilla, N *Cienc Cult Soc Bras Para Progr Cienc* 27 (4): 420-426. Ref. Apr 1975

029310 QP1.C6
Excreta analysis on additional cockroach [Parcoblatta pennsylvanica] species and the house cricket [Acheta domesticus]. Cochran, D G *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 79-81. Ref. 1976

029311 QP1.C6
Insect morphogenetic hormones and developmental mechanisms in the nematode, Nematospiroides dubius. Dennis, R D *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 53-56. Ref. 1976

029312 QP1.C6
Osmotic interrelationship between blood and gut fluid in the isopod Porcellio scaber Latr. (Crustacea). Lindqvist, O V; Fitzgerald, G *Comp Biochem & Physiol A, Comp Physiol* 53 (1): 57-59. Ref. 1976

029313 QP1.C6
Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), fed diets containing graded levels of an amino acid mixture. Lu, G Y; Garlich, J D; Rock, G C *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 615-618. Ref. Dec 1, 1975

029314 QP1.C6
The electrophysiology of transduction, retinal interaction and axonal conduction in invertebrate photoreceptors [Includes insects]. Chase, R *Comp Biochem & Physiol A, Comp Physiol* 52 (4A): 571-576. Ref. Dec 1, 1975

029315 80 C83
The art of insect camouflage. Burton, J F *Ctry Life* 158 (4093): 1658-1659. Dec 11, 1975

029316 475 SCI23
First record of caecal diverticula in Sagra femorata Drury. (Sagrinae: Coleoptera). Tayade, D S; Rawat, R R; Chundurwar, R D *Curr Sci* 44 (22): 812. Nov 20, 1975

029317 QH573.C92
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. Fedorova, G I; Podchernyaeva, R YA; Amchenkova, A M; Nikitina, N I; Blinova, V K; Veselovskaya, O V; Kakpakov, V T *Cytol Genet* 8 (5): 10-13. Ref. 1974

029318 442.8 D49
Developmental defects of female-sterile mutants of Drosophila melanogaster. Zalokar, M; Audit, C; Erk, I *Dev Biol* 47 (2): 419-432. Ref. Dec 1975

029319 410 EC7
Modeling arthropod predation: wasteful killing by damselfly naiads [Anomalagrion hastatum, Ischnura ramburii]. Johnson, D M; Akre, B G; Crowley, P H *Ecology (Durham)* 56 (5): 1081-1093. Ref. Summer 1975

029320 410 EC7
Population biology of a brine fly [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant algal food. Collins, N C *Ecology (Durham)* 56 (5): 1139-1148. Ref. Summer 1975

029321 410 EC7
Population energetics and ecology of the rock grasshopper, Trimerotropis saxatilis. Duke, K M; Crossley, D A Jr *Ecology (Durham)* 56 (5): 1106-1117. Ref. Summer 1975

029322 410 EC7
The distributional ecology and diversity of benthic insects in Cement Creek, Colorado. Allan, J D *Ecology (Durham)* 56 (5): 1040-1053. Ref. Summer 1975

029323 421 EN895
A chemical influence of ants [Formica fusca] on wing development in aphids [Aphis fabae]. Kleinjan, J E; Mittler, T E *Entomol Exp Appl* 18 (3): 384-388. 1975

029324 421 EN895
A modified technique for rearing of the pea aphid [Acyrthosiphon pisum] on artificial diets. Cloutier, C; Mackauer, M *Entomol Exp Appl* 18 (3): 395-396. 1975

029325 421 EN895
Amylase activity in the midgut of Sarcophaga ruficornis andMusca domestica. Sinha, M *Entomol Exp Appl* 18 (3): 290-296. Ref. 1975

029326 421 EN895
Blood-feeding activity of partially engorged Culex nigripalpus (Diptera: Culicidae). Edman, J D; Cody, E; Lynn, H *Entomol Exp Appl* 18 (3): 261-268. Ref. 1975

029327 421 EN895
Caste determination through a queen influence on diapause in larvae of the ant Myrmica rubra. Brian, M V *Entomol Exp Appl* 18 (4): 429-442. Ref. 1975

029328 421 EN895
Daily rhythm of Synanthedon pictipes (Lepidoptera: Aegeriidae) female calling behavior in Wisconsin: temperature effects. Gorsuch, C S; Karandinos, M G; Koval, C F *Entomol Exp Appl* 18 (3): 367-376. Ref. 1975

029329 421 EN895
Digestion and absorption of carbohydrates in Odontotermes obesus (Isoptera: Termitidae). Singh, N B *Entomol Exp Appl* 18 (3): 357-366. Ref. 1975

029330 421 EN895
Effect of age upon fatty acid composition of adult caribbean fruit flies, Anastrepha suspensa. Chow, M L; Nation, J L *Entomol Exp Appl* 18 (4): 515-517. 1975

029331 421 EN895
Effect of food qualities on protein pattern of the haemolymph of a millipede Orthomorpha gracilis. Kheirallah, A M; Shabana, M B *Entomol Exp Appl* 18 (4): 423-428. Ref. 1975

029332 421 EN895
Feeding behavior of the Australian acridid, Valanga irregularis. Freeland, W J *Entomol Exp Appl* 18 (3): 281-289. Ref. 1975

029333 421 EN895
Genetic variation in some enzyme systems in the tsetse fly Glossina morsitans. Geest, L P S van der; Kawooya, J *Entomol Exp Appl* 18 (4): 508-514. 1975

029334 421 EN895
Removal of intact female reproductive organs from codling moths [Laspeyresia pomonella]. Mantey, K D; White, L D *Entomol Exp Appl* 18 (3): 393-394. 1975

029335 421 EN895
Response of newly hatched codling moth larvae (Laspeyresia pomonella) to water vapour. Sutherland, O R W *Entomol Exp Appl* 18 (3): 389-390. 1975

029336 421 EN895
Spectral specific responses in the visual behavior of the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). Vaishampayan, S M; Kogan, M; Waldbauer, G P; Woolley, J T *Entomol Exp Appl* 18 (3): 344-356. Ref. 1975

029337 421 EN895
The viability of the eggs of the African armyworm, Spodoptera exempta in laboratory cultures. David, W A L; Ellaby, S *Entomol Exp Appl* 18 (3): 269-280. Ref. 1975

029338 QL461.E582
Influence of different sucrose syrup concentrations and presence of species members on the foraging behaviour of wasps (Hymenoptera: Vespidae). (Ger) Pflumm, W *Entomol Ger* 2 (1): 7-21. Ref. Eng. Sum. 1975

029339 QL461.E582
Ion absorption on chloride epithelia of caddisfly larvae (Trichoptera) [Glyphotaelius pellucidus]. (Ger) Schmitz, M; Wichard, W *Entomol Ger* 2 (1): 30-34. Ref. Eng. Sum. 1975

029340 QL461.E582
The significance of guanocytes for physiological colour shifts in Cyrtophora cicatrosa (Arachnida: Araneidae). (Ger) Blanke, R *Entomol Ger* 2 (1): 1-6. Ref. Eng. Sum. 1975

029341 QL461.E554
Qualitative carbohydrate requirements of the larve of Trogoderma granarium Everts. Pant, J C; Srivastava, K M *Entomol Newsl* 5 (4): 28. Apr 1975

029342 421 EN85
Faunistics and daily periodicity of some insect species in northern Sweden (Tipulidae, Typhlocybidae and Geometridae). (Ger) Tobias, W *Entomol Z* 85 (19): 217-224. Oct 1, 1975

029343 421 EN85
The collector of butterflies and nature conservation. Remarks to the article by Georg Christensen published in No. 21, Jan. 11, 1975. (Ger) Geiger, H *Entomol Z* 85 (23): 261-262. Dec 1, 1975

029344 421 EN85
To destroy them or help them to survive [Butterflies, Lepidoptera]. (Ger) Reimann, O *Entomol Z* 85 (24): 273-274. Dec 15, 1975

029345 QL461.E532
Direction and size discriminating activity recorder [Ceuthophilus conicaudus]. Smith, E N; Campbell, G D *Environ Entomol* 4 (6): 980-982. Dec 1975

029346 QL461.E532
Lethal levels of sodium chloride and potassium chloride for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. Hamilton, R W; Buttner, J K; Brunetti, R G *Environ Entomol* 4 (6): 1003-1006. Ref. Dec 1975

029347 QL461.E532
The effect of temperature and humidity on the distribution patterns of Drosophila inornata in Victoria, Australia. Parsons, P A *Environ Entomol* 4 (6): 961-964. Map. Ref. Dec 1975

029348 QP501.E8
Biochemistry of development in insects [Ceratitis capitata]. Stereospecific incorporation of fatty acids into triacylglycerols. Municio, A M; Garcia, R; Perez-Albarsanz, M A *Eur J Biochem* 60 (1): 117-121. Ref. Dec 1975

029349 QP501.E8
Biochemistry of development in insects [Ceratitis capitata]. Incorporation of fatty acids into different lipid classes. Municio, A M; Odriozola, J M; Perez-Albarsanz, M A *Eur J Biochem* 60 (1): 123-128. Ref. Dec 1975

029350 QP501.E8
RNA polymerase B from Drosophila melanogaster larvae. Purification and partial characterization. Greenleaf, A L; Bautz, E K F *Eur J Biochem* 60 (1): 169-179. Ref. Dec 1975

029351 442.8 EX7
Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. (Fre) Philippe, C; Landureau, J C *Exp Cell Res* 96 (2): 287-296. Ref. Eng. Sum. Dec 1975

029352 QL289.F3
Preparation of grasshoppers [Chorthippus brunneus] for studies of meiosis. (Nor) Laane, M M; Mellem, T R *Fauna, Nor Zool Foren Tidsskr* 28 (4): 226-229. Eng. Sum. 1975

029353 420 F662
A Cesium-134 trap for isotope use [in entomological research]. Del Fosse, E S; Cromroy, H L *Fla Entomol* 58 (4): 256. Dec 1975

029354 420 F662
A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: Encyrtidae) from Puerto Rico parasitic on Forcipomyia (Diptera: Ceratopogonidae). Gordh, G *Fla Entomol* 58 (4): 239-241. Dec 1975

029355 420 F662
Biological notes and new synonymy in Forcipomyia (Diptera: Ceratopogonidae) [parasitized by the hymenopteran genus Forcipestricis]. Wirth, W W *Fla Entomol* 58 (4): 243-245. Ref. Dec 1975

029356 420 F662
Distasteful fireflies [Photinus umbratus] sometimes emetic, but not lethal [to fence lizards and skinks]. Sydow, S L; Lloyd, J E *Fla Entomol* 58 (4): 312. Dec 1975

029357 420 F662
Major and trace element analysis in red imported fire ant [Solenopsis invicta] queens by ion induced X-ray fluorescence. Levy, R; Van Rinsvelt, H A; Cromroy, H L *Fla Entomol* 58 (4): 289-290. Dec 1975

029358 420 F662
Pseudoscorpions [Paratemnus elongatus] phoretic on fireflies [Photruis]. II. Lloyd, J E; Correale, S; Muchmore, W B *Fla Entomol* 58 (4): 241-242. Dec 1975

029359 420 F662
The life history of Craspeduchus pulchellus, a lygaeid new to the United States (Hemiptera: Lygaeidae) [found on Corchorus siliquosus]. Baranowski, R M; Slater, J A *Fla Entomol* 58 (4): 297-302. Ref. Dec 1975

029360 421 F84
A view on some points of Italian students of biogeography expressed by C. Baroni Urbani [on the ants of the Pontian Islands]. (Ita) La Greca, M *Fragm Entomol* 11 (3): 241-246. Eng. Sum. Sept 10, 1975

029361 444.8 G28
Experimental study of the endocrine regulation of ovogenesis in Lithobius forficatus L. (Myriapoda, Chilopoda). Role of the pars intercerebralis. (Fre) Herbaut, C *Gen & Comp Endocrinol* 27 (1): 34-42. Ref. Eng. Sum. Sept 1975

029362 443.8 H42
A sex-chromosome hybrid zone in the grasshopper Podisma pedestris (Orthoptera: Acrididae). Hewitt, G M *Heredity* 35 (3): 375-387. Plates. Ref. Dec 1975

029363 443.8 H42
A test of the influence of isoallelic variation upon a quantitative character [Drosophila melanogaster]. Thompson, J N Jr *Heredity* 35 (3): 401-406. Ref. Dec 1975

029364 443.8 H42
Clines in the colour polymorphism of Philaenus spumarius ineastern Central Europe. Halkka, O; Raatikainen, M; Vilbaste, J *Heredity* 35 (3): 303-309. Ref. Dec 1975

029365 443.8 H42
The effect of conditioning the medium in Drosophila, in relation to frequency-dependent selection. Dolan, R; Robertson, A *Heredity* 35 (3): 311-316. Dec 1975

029366 384 H622
Cytochemistry of the differentiating flight muscles of the desert locust Schistocerca gregaria. Panar, L C; Nair, K K *Histochemie* 45 (2): 129-141. Ref. 1975

029367 410 H992
Estimation of saprobity according to the larval and pupal stages of caddis-flies, Trichoptera. (Ger) Simanov, L *Hydrobiologia* 47 (3/4): 453-462. Eng. Sum. Dec 1, 1975

029368 424.8 IM43
Bumblebees [Bombus] as guests of the apiculturist [Rearing]. (Ger) Oslender, M D *Imkerfreund* 30 (12): 378-381. Dec 1975

029369 QH585.A1158
A valise for carrying insect cell cultures long distances. Anderson, J; Black, L M *In Vitro J Tissue Cult Assoc* 11 (5): 322-323. Sept-/Oct 1975

029370 QH585.A1158
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic pressure regulators of moth cell growth. Kurtti, T J; Chaudhary, S P S; Brooks, M A *In Vitro J Tissue Cult Assoc* 11 (5): 274-285. Ref. Sept/Oct 1975

029371 QP501.I48
Aminotransferases in the larvae of the insect Corcyra cephalonica St. Lalitha, K; Radhakrishnamurty, R *Indian J Biochem* 12 (2): 103-106. Ref. June 1975

029372 QP501.I48
Aminotransferases in the larvae of the insect Corcyra cephalonica St. Lalitha, K; Radhakrishnamurty, R *Indian J Biochem* 12 (2): 103-106. Ref. June 1975

029373 QR1.I57
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. Faye, I; Pye, A; Rasmuson, T; Boman, H G; Boman, I A *Infect Immun* 12 (6): 1426-1438. Ref. Dec 1975

029374 421 IN79
Device for continous recording of variations in the weight of wasp's nests [Paravespula germanica]. (Fre) Horel, A; Roland, C; Krafft, B *Insects Soc* 22 (2): 219-223. Eng. Sum. June 1975

029375 421 IN79
Growth of mounds and foraging territories in Odontotermes redemanni (Wasmann) (Isoptera: Termitidae). Banerjee, B *Insects Soc* 22 (2): 207-212. June 1975

029376 421 IN79
Guidance and stimulation factors in performances of a task by Formica polyctena. (Fre) Chauvin, R; Janin, P *Insects Soc* 22 (2): 199-206. June 1975

029377 421 IN79
Investigations on sexual production in the dulotic ant, Harpagoxenus sublaevis (Nyl.) (Hymenoptera, Formicidae). (Ger) Buschinger, A; Frenz, G; Wunderlich, M *Insects Soc* 22 (2): 169-181. Eng. Sum. June 1975

029378 421 IN79
New data on the ecology of the ant Proformica ferreri Bondroit., with special reference to nurse workers. (Fre) Bernard, F *Insects Soc* 22 (2): 151-168. Map. Ref. Eng. Sum. June 1975

029379 421 IN79
Non-reproductive castes and their development in Nasutitermes exitiosus (Hill) (Isoptera). McMahan, E A; Watson, A L *Insects Soc* 22 (2): 183-197. Ref. June 1975

029380 421 IN79
On the nature of the sounds produced within the nest of the wasp Paravespula germanica F. Ishay, J; Nachshen, D *Insects Soc* 22 (2): 213-218. Ref. June 1975

029381 421 IN79
Productivity of the ant Formica dakotensis in a spruce [Picea] bog. 1. Observed and estimated densities of the colonies. (Fre) Francoeur, A; Pepin, D *Insects Soc* 22 (2): 135-150. Ref. Eng. Sum. June 1975

029382 421 IN79
Some notes on the aggressive behavior of the ant Messor barbara L. (Fre) Blancheteau, M *Insects Soc* 22 (2): 113-115. Eng. Sum. June 1975

029383 421 IN79
Study on teratological changes in ant workers of Formica rufa group (Hymenoptera, Formicidae). (Ger) Sokolowski, A; Wisniewski, J *Insects Soc* 22 (2): 117-134. Eng. Sum. June 1975

029384 QD415.A115
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of low electrophoretic mobility. Ward, C W *Int J Biochem* 6 (11): 765-768. Ref. Nov 1975

029385 QL461.I529
Growth of the tracheae during the development of physogastry in the queen of higher termites (Isoptera: Termitidae). (Fre) Bordereau, C *Int J Insect Morphol Embryol* 4 (5): 431-465. Ref. Eng. Sum. 1975

029386 QL461.I529
Insect antennae with special reference to the mechanism of scent detection and the evolution of the sensilla. Callahan, P S *Int J Insect Morphol Embryol* 4 (5): 381-430. Ref. 1975

029387 QL461.I529
Sense organs on the antennal flagellum of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, Bittacus chlorostigma]. Slifer, E H *Int J Insect Morphol Embryol* 4 (5): 467-475. Ref. 1975

029388 QL461.I529
Structure and formation of egg membranes in Aedes aegypti. (L.) (Diptera: Culicidae). Mathew, G; Rai, K S *Int J Insect Morphol Embryol* 4 (5): 369-380. Ref. 1975

029389 444.8 IN8
Restoration of induced damage by X rays to the embryos of Drosophila [melanogaster] Meig. (Fre) Ghelelovitch, S *Int J Radiat Biol Relat Stud Phys Chem Med* 27 (6): 513-523. Ref. June 1975

029390 442.9 AK124
Comparative investigation of life cycles of ticks Hyalomma asiaticum asiaticum and Hyalomma anatolicum excavatum [Parasites, animals]. (Rus) Berdyev, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 62-66. Ref. Eng. Sum. 1975

029391 424.8 J82
A scanning electron microscope study of cucumber nectaries, Cucumis sativus. Collison, C H; Martin, E C *J Apic Res* 14 (2): 79-84. 1975

029392 420 EN823
An unusual structure in females of Cicindela albicans Chaudoir and related species (Coleoptera: Cicindelidae). Freitag, R *J Aust Entomol Soc* 14 (3): 319-320. Sept 29, 1975

420 EN823
Apion antiquum (Curculionoidea: Apionidae) for biological control of the weed Emex australis. Harley, K L S; Kassulke, R C *J Aust Entomol Soc* 14 (3): 271-276. Sept 29, 1975

029393 420 EN823
Giant axons in the central nervous system of Ctenomorphodestessulatus (Gray), an Australian stick insect. Rice, M J; Webb, P D *J Aust Entomol Soc* 14 (3): 277-282. Ref. Sept 29, 1975

029394 420 EN823
Observations on the biology of Xylotrupes gideon (Coleoptera: Scarabaeidae: Dynastinae) in Melanesia. Bedford, G O *J Aust Entomol Soc* 14 (3): 213-216. Ref. Sept 29, 1975

029395 420 EN823
The biology of Stenogaster concinna van der Vecht with comments on the phylogeny of Stenogastrinae (Hymenoptera: Vespidae). Spradbery, J P *J Aust Entomol Soc* 14 (3): 309-318. Ref. Sept 29, 1975

029396 420 EN823
The song of the cicada Lembeja brunneosa (Homoptera: Cicadidae) with notes on the behaviour and distribution of the species. Moulds, M S *J Aust Entomol Soc* 14 (3): 251-254. Sept 29, 1975

029397 381 J824
A DNA polymerase from embryos of Drosophila melanogaster. Pruification and properties. Karkas, J D; Margulies, L; Chargaff, E *J Biol Chem* 250 (22): 8657-8663. Ref. Nov 25, 1975

029398 444.8 Z3
Lyriform slit sense organs, modelling an arthropod mechanoreceptor [Spiders]. Barth, F G; Pickelmann, P *J Comp Physiol* 103 (1): 39-54. Ref. 1975

029399 444.8 Z3
The influence of the air-current sense organs on the flight behaviour of Locusta migratoria. Gewecke, M *J Comp Physiol* 103 (1): 79-95. Ref. 1975

029400 421 J822
Air temperature modification in Lumite field cages [used inentomological research] in alfalfa hay. Van Steenwyk, R A; Stern, V M *J Econ Entomol* 68 (6): 795-796. Dec 15, 1975

029401 421 J822
Improved rearing unit for larvae of a common green lacewing [Chrysopa carnea]. Morrison, R K; House, V S; Ridgway, R L *J Econ Entomol* 68 (6): 821-822. Dec 15, 1975

421 J822
Phenotypic deviants in the ebony genotype in the boll weevil [Cotton pests, control] [Anthonomus grandis]. McCoy, J R *J Econ Entomol* 68 (6): 775-776. Dec 15, 1975

029402 440.8 J823
The taste pore of the fleshfly [Boetticherisca peregrina] labellar hair. Tominaga, Y *J Electronmicrosc (Tokyo)* 24 (3): 171-174. 1975

029403 381 J8222
Histochemical localization of trehalase activity in dorsal flight muscle of the flesh fly Sarcophaga bullata with lightand electron microscopy. Chang, P L; Morrison, P E *J Histochem Cytochem* 23 (11): 800-807. Ref. Nov 1975

029404 421 J825
Activity of faecal fluid of a leaf-cutting ant [Atta colombica tonsipes] toward plant cell wall polysaccharides. Martin, M M; Boyd, N D; Gieselmann, M J; Silver, R G *J Insect Physiol* 21 (12): 1887-1892. Ref. Dec 1975

029405 421 J825
Approaches to the biosynthesis of the [Hyalophora] cecropiaC [carbon] 18 juvenile hormone. Ajami, A M *J Insect Physiol* 20 (12): 2497-2511. Ref. Dec 1974

029406 421 J825
Bursicon release and activity in haemolymph during metamorphosis of the cockroach, Leucophaea maderae. Srivastava, B B L; Hopkins, T L *J Insect Physiol* 21 (12): 1985-1993. Ref. Dec 1975

029407 421 J825
Composition of triglycerides from aphids of six different families and from different seasonal forms of Aphis evonymi. Greenway, A R; Griffiths, D C; Furk, C; Prior, R N B *J Insect Physiol* 20 (12): 2423-2431. Dec 1974

029408 421 J825
Control of fluid secretion by isolated salivary glands of the lone star tick [Amblyomma americanum]. Needham, G R; Sauer, J R *J Insect Physiol* 21 (12): 1893-1898. Ref. Dec 1975

029409 421 J825
Debraining and diapause development in Manduca sexta pupae. Wilson, G R; Larsen, J R *J Insect Physiol* 20 (12): 2459-2473. Ref. Dec 1974

029410 421 J825
Diapause termination in two species of damselflies [Enallagma hageni, Enallagma aspersum]. Ingram, B R *J Insect Physiol* 21 (12): 1909-1916. Ref. Dec 1975

029411 421 J825
Factors promoting vitellogenic competence and yolk deposition in the cockroach [Periplaneta americana] ovary: the postecdysis female. Bell, W J; Sams, G R *J Insect Physiol* 20 (12): 2475-2485. Ref. Dec 1974

029412 421 J825
Identification of the female sex pheromones of the moth, Chilo suppressalis. Nesbitt, B F; Beevor, P S; Hall, D R; Lester, R; Dyck, V A *J Insect Physiol* 21 (12): 1883-1886. Ref. Dec 1975

029413 421 J825
Limb regeneration and apolysis in the tick, Ornithodoros tartakovskyi. Rockett, C L *J Insect Physiol* 21 (12): 1939-1944. Ref. Dec 1975

029414 421 J825
Metabolism of some possible ecdysone precursors in Calliphora stygia. Horn, D H S; Middleton, E J; Thomson, J A; Wilkie, J S *J Insect Physiol* 20 (12): 2433-2445. Ref. Dec 1974

029415 421 J825
Neuromuscular junctions and L-glutamate-sensitive sites in the fleshfly Sarcophaga bullata. Neal, H *J Insect Physiol* 21 (12): 1945-1951. Ref. Dec 1975

029416 421 J825
Physiological basis of host susceptibility of Florida mosquitoes to Dirofilaria immitis. Nayar, J K; Sauerman, D M Jr *J Insect Physiol* 21 (12): 1965-1975. Ref. Dec 1975

029417 421 J825
Sex pheromone of the moth, Antheraea polyphemus. Kochansky, J; Tette, J; Taschenberg, E F; Carde, R T; Kaissling, K E; Roelofs, w L *J Insect Physiol* 21 (12): 1977-1983. Ref. Dec 1975

029418 421 J825
Some problems of homeostasis of haemolymph metabolites in the locust [Locusta migratoria]. Jutsum, A R; Goldsworthy, G J *J Insect Physiol* 21 (12): 1899-1908. Ref. Dec 1975

029419 421 J825
Structure and function of the respiratory epithelium in the tracheal gills of stonefly larvae [Peria, Protonemura, Taeniopteryx]. Wichard, W; Komnick, H *J Insect Physiol* 20 (12): 2397-2406. Ref. Dec 1974

029420 421 J825
The biology of the black larval mutant of the tobacco hornworm, Manduca sexta. Safranek, L; Riddiford, L M *J Insect Physiol* 21 (12): 1931-1938. Ref. Dec 1975

029421 421 J825
The pattern of reactivation of diapausing larvae in the blowfly, Calliphora vicina. Vinogradova, E B *J Insect Physiol* 20 (12): 2487-2486. Ref. Dec 1974

029422 421 J825
The role of butterfly wings in regulation of body temperature. Wasserthal, L T *J Insect Physiol* 21 (12): 1921-1930. Ref. Dec 1975

029423 421 J826
Detection on nuclear polyhedrosis virus infection in Heliothis spp. by agar gell double diffusion. Young, S Y; Yearian, W C; Scott, H A *J Invertebr Pathol* 26 (3): 309-312. Ref. Nov 1975

029424 421 J826
In memoriam: James William MacBain Cameron [Entomologists]. *J Invertebr Pathol* 26 (3): 273-274. Nov 1975

029425 421 J826
Induction of melanotic tumors in larvae of Drosophila affinis parasitized by the wasp, Pseudeucoila bochei. Nappi, A J *J Invertebr Pathol* 26 (3): 407-409. Nov 1975

029426 421 J826
Lysozymelike lytic enzyme of Streptococcus faecalis and itsrole in the larval development of wax moth, Galleria mellonella. Jarosz, J *J Invertebr Pathol* 26 (3): 275-281. Ref. Nov 1975

029427 421 J826
Nosema slovaca sp. N.: a second microsporidian of the tick Ixodes ricinus. Weiser, J; Rahacek, J *J Invertebr Pathol* 26 (3): 411. Nov 1975

029428 421 J826
Screening for mycotoxins with larvae of Tenebrio molitor. Davis, G R F; Smith, J D; Schiefer, B; Loew, F M *J Invertebr Pathol* 26 (3): 299-303. Ref. Nov 1975

029429 421 J826
Teratogenicity of the thermostable beta exotoxin of Bacillus thuringiensis in Galleria mellonella. Burges, H D *J Invertebr Pathol* 26 (3): 419-420. Nov 1975

029430 421 J826
The effects of ulravolet irradiation on a Baculovirus [nuclear polyhedrosis virus] infecting Galleria mellonella. Witt, D J; Stairs, G R *J Invertebr Pathol* 26 (3): 321-327. Ref. Nov 1975

029431 421 J826
Viral release and membrane acquisition by budding through the nuclear envelope of hemocytes of the gypsy moth, Porthetria dispar. Nappi, A J; Hammill, T M *J Invertebr Pathol* 26 (3): 387-392. Ref. Nov 1975

029432 QH201.J6
Dense ergastoplasmic granules in the glandular lobe of the locust corpora cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. (Fre) Lafon-Cazal, M *J Microsc Biol Cell* 23 (1): 113-116. Ref. June 1975

029433 QH201.J6
Microanalysis and ecology [Insects]. (Fre) Martoja, R; Alibert, J; Ballan-Dufrancais, C; Jeantet, A Y; Lhonore, D; Truchet, M *J Microsc Biol Cell* 22 (2/3): 441-448. Mar/Apr 1975

029434 QH201.J6
Morphological and chemical evolution of chromatin during spermiogenesis of the locust Locusta migratoria. (Fre) Chevaillier, P; Gusse, M *J Microsc Biol Cell* 23 (2): 153-164. Plates. Ref. Eng. Sum. Aug 1975

029435 447.8 J82
Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] venom on the presynaptic nerve terminals of frog muscle. Castillo, J del; Pumplin, D W *J Physiol* 252 (2): 491-508. Ref. Nov 1975

029436 447.8 J823
Influence of sexual maturation on cardiac activity and reactivity of Calliphora vomitoria. I. Cardiac activity. (Fre) Queinnec, Y; Campan, M *J Physiol (Paris)* 70 (4): 457-466. Ref. Eng. Sum. 1975

029437 QH573.J62
Myo-epithelial junctions in skeletal and in intestinal tract muscle of the mite, Caloglyphus anomalus (Acarina). Reger, J F *J Submicrosc Cytol* 7 (3): 297-310. Ref. Dec 1975

029438 410 J272
On the relations of the [insect population] turnover rate to P/B [production/mean biomass and production/maximum biomass] and P/Bmax. (Jpn) Morisita, M *Jap J Ecol* 25 (3): 173-184. Ref. Eng. Sum. Sept 1975

029439 384 AN7
Defence substances of arthropods. LIX. Platambin, a defence substance of the water beetle Platambus maculatus (Coleoptera: Dytiscidae). (Ger) Schildknecht, H; Holtkotte, H; Krauss, D; Tacheci, H *Justus Liebigs Ann Chem* 10: 1850-1862. Ref. Eng. Sum. 1975

029440 QL55.A1L3
Control of chromosome inactivation. Mahouy, G; Rager-Zisman, B; Barnes, R D *Lab Anim* 9: 1-18. Ref. 1975

029441 442.8 L62
Hydrolysis of cyclic guanosine 3',5'-monophosphate in tissues of Schistocerca gregaria (Forsk.) (Orthoptera). Bielinska, M; Piechowska, M J *Life Sci* 17 (7): 1153-1158. Ref. Oct 1, 1975

029442 QP751.L5
Comparison of phospholipid composition of Aedes aegypti andAedes albopictus cells obtained from logarithmic and stationary phases of growth. Jenkin, H M; McMeans, E; Anderson, L E; Yang, T K *Lipids* 10 (11): 686-694. Ref. Nov 1975

029443 421 M33
Heterogonic cycle of Plagiotrochus australis (Mayr, 1882), new combination. (Fre) Barbotin, F *Marcellia* 38 (4): 329-330. Oct 1975

029444 421 M33
Physiology of digestion. I. PH [hydrogenion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. Naik, B N *Marcellia* 38 (4): 319-322. Ref. Oct 1975

029445 440.8 Z3
Notes on the fixation methods of apterygota insects for electron microscopy. (Ger) Eisenbeis, G *Microsc Acta* 77 (2): 152-156. Eng. Sum. July 1975

029446 442.8 Z34
Fine genetic structure of the 2D3-2F5 region of the X-chromosome of Drosophila melanogaster. Gvozdev, V A; Gostimsky, S A; Gerasimova, T I; Dubrovskaya, E S; Braslavskaya, O YU *Mol Gen Genet (MGG)* 141 (3): 269-275. Ref. 1975

029447 QL1.M6
Daily rhythm of the scototactic orientation of the forest cricket Nemobius sylvestris (Bosc): Precise biological importance. (Fre) Campan, R; Lacoste, G; Morvan, R *Monit Zool Ital* (New Ser.) 9 (2): 119-136. Ref. Eng. Sum. 1975

421 M85
Changes in comb spine number during larval development in Aedes aegypti (L.). Wood, R J; Dalingwater, J E *Mosq News* 35 (4): 555-560. Dec 1975

421 M85
Chromosome studies of Oriental anophelines. IV. Polytene chromosomes of Anopheles fluviatilis. Chowdaiah, B N; Seetharam, P L *Mosq News* 35 (4): 495-500. Ref. Dec 1975

029448 443.8 M98
Distribuiton of bromouracil in the pyrimidine oligonucleotides of Drosophila [melanogaster] DNA. Rizki, R M; Rizki, T M *Mutat Res* 30 (3): 343-354. Ref. Dec 1975

029449 443.8 M98
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome breaks induced by X-rays in the paternal genome of Drosophila. Zimmering, S; Osgood, C *Mutat Res* 30 (2): 289-291. Nov 1975

029450 443.8 M98
Radiation-induction of fractional mutations in Drosophila. Fujikawa, K; Nishimori, T; Miyamoto, T *Mutat Res* 30 (2): 283-288. Ref. Nov 1975

029451 410 N216
Observations on egg laying of four Odonata of the genus Lestes (Zygoptera: Lestidae) in Quebec. (Fre) Laplante, J P *Nat Can* 102 (3): 279-292. Map. Ref. Eng. Sum. May/June 1975

029452 410 N216
Phothoracotropic, chromatotropic and juvenilizing actions of juvenile hormone-III on Schistocerca gregaria Forsk. (Fre) Roussel, J P *Nat Can* 102 (3): 367-369. Ref. May/June 1975

029453 472 N21
Autonomous pigment movement in the radial pupil of locust ocelli [Valanga nigricornis, Austracorus guttulosa]. Wilson, M *Nature* 258 (5536): 603-604. Dec 18, 1975

029454 472 N21
Corpus allatum activity and wing determination in Megoura viciae. Leckstein, P M; Llewellyn, M *Nature* 258 (5537): 714-715. Ref. Dec 25, 1975

029455 472 N21
Effect of denervation and local damage on extrajunctional L-glutamate receptors in locust muscle [Schistocerca gregaria]. Cull-Candy, S G *Nature* 258 (5535): 530-531. Ref. Dec 11, 1975

029456 472 N21
Effect of light on egg-laying rate and mating speed in phototactic strains of Drosophila. Markow, T A *Nature* 258 (5537): 712-714. Ref. Dec 25, 1975

029457 472 N21
Endogenous rhythm of nerve activity in the housefly eye [Musca domestica]. Shipp, E; Gunning, R V *Nature* 258 (5535): 520-521. Dec 11, 1975

029458 472 N21
Natural daylengths regulate insect seasonality by two mechanisms [Meleoma signoretti, Chrysopa downesi]. Tauber, M J; Tauber, C A *Nature* 258 (5537): 711-712. Dec 25, 1975

029459 472 N21
Possible biochemical explanation for specific reformation of synapses between muscle and regenerating motoneurones in cockroach [Periplaneta americana]. Denburg, J L *Nature* 258 (5535): 535-537. Dec 11, 1975

029460 472 N21
Production of threitol and sorbitol by an adult insect [Upis ceramboides]: association with freezing tolerance. Miller, L K; Smith, J S *Nature* 258 (5535): 519-520. Ref. Dec 11, 1975

029461 472 N21
Scorpionflies as kleptoparasites of web-building spiders. Thornhill, R *Nature* 258 (5537): 709-711. Dec 25, 1975

029462 QL750.O3
Ecology of moss-living arthropods, by the light of factorial analysis of correspondances: Collembola and Oribata of Sidobre (Tarn, France). (Fre) Bonnet, L; Cassagnau, P; Trave, J *Oecologia* 21 (4): 359-373. Ref. 1975

029463 QL750.O3
The influence of burrowing and thermoregulatory behaviour on the water relations of Geolycosa godeffroyi (Araneae: Lycosidae), an Australian wolf spider. Humphreys, W F *Oecologia* 21 (4): 291-311. Ref. 1975

029464 QH491.O5
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. (Rus) Mitrofanov, V G; Blanter, T V *Ontogenez* 6 (4): 389-391. Eng. Sum. 1975

029465 QH491.O5
Studies on the determination of the gene est-6 expression in male genitalia of Drosophila melanogaster. (Rus) Kuzin, B A; Aroshtam, A A; Korochkin, L I *Ontogenez* 6 (4): 323-330. Ref. Eng. Sum. 1975

029466 421 P193
Biological observations on Tropidishia xanthostoma Scudder (Orthoptera: Gryllacrididae). Prothero, B L *Pan Pac Entomol* 51 (4): 267. Oct 1975

029467 421 P193
Natural history of Veromessor pergandei. II. Behavior (Hymenoptera: Formicidae). Wheeler, J; Rissing, S W *Pan Pac Entomol* 51 (4): 303-314. Ref. Oct 1975

029468 421 P193
Observations on the egg laying and sleeping habits of Euparagia scutellaris Cresson (Hymenoptera: Vespoidea). Moore, W S *Pan Pac Entomol* 51 (4): 286. Oct 1975

029469 421 P193
Surface molting behavior and its possible respiratory significance for a gaint water bug Abedus herberti Hidalgo (Hemiptera: Belostomatidae). Smith, R L *Pan Pac Entomol* 51 (4): 259-267. Ref. Oct 1975

029470 421 P193
Temperature preferences of two species of Eleodes beetles (Tenebrionidae). Slobodchikoff, C N; Pedersen, D *Pan Pac Entomol* 51 (4): 327-329. Oct 1975

029471 56.8 P343
Dispersion of predatory forest floor arthropods. Reise, K; Weidemann, G *Pedobiologia* 15 (2): 106-128. Ref. 1975

029472 56.8 P343
Experimental study of aggregation during the development of Pseudosinella impediens (Collembola, Entomobryidae). Barra, J A; Christiansen, K *Pedobiologia* 15 (5): 343-347. 1975

029473 56.8 P343
Laboratory and field studies on the life cycle of oribatid mites (Acari: Oribatei). (Ger) Weigmann, G *Pedobiologia* 15 (2): 133-148. Ref. Eng. Sum. 1975

029474 56.8 P343
Nutrition and development of Pygmephorus mesembrinae and Pygmephorus quadratus (Acarina, Pygmephoridae). (Ger) Kosir, M *Pedobiologia* 15 (5): 313-329. Ref. Eng. Sum. 1975

029475 56.8 P343
Occurrence and development of Agriotes lineatus (Coleoptera, Elateridae) in the European USSR [Agricultural soil pests]. (Ger) Kabanov, V A *Pedobiologia* 15 (2): 98-105. Ref. Eng. Sum. 1975

56.8 P343
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in two soils of a beech forest (Retz forest). (Fre) Cancela da Fonseca, J P *Pedobiologia* 15 (5): 375-381. Ref. Eng. Sum. 1975

56.8 P343
Some properties of the aggregations of soil arthropods: Cryptostigmata. Usher, M B *Pedobiologia* 15 (5): 355-363. Ref. 1975

029476 501 L84PB
Danainae (Lepidoptera) and 1,2-dehydropyrrolizidine alkaloid-containing plants—with reference to observations made in the New Hebrides. Edgar, J A *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 467-476. Ref. Nov 13, 1975

029477 501 L84PB
The genetics of the mimetic butterfly Hypolimnas bolina (L.). Clarke, Sir C; Sheppard, P M *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (917): 229-265. Maps. Ref. Nov 13, 1975

029478 501 L84PB
The land invertebrates of the New Hebrides and their relationships [Includes insects]. Gross, G F *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 391-421. Map. Ref. Nov 13, 1975

029479 420 UT1
Continuing studies on the brine flies of the Great Salt Lake. Rosay, B; Nabrotzky, F *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 37. Mar 1975

029480 420 W27
Mortimer D. Leonard 1890-1975 [Entomologists]. Russell, L M *Proc Entomol Soc Wash* 77 (4): 505-507. Dec 1975

029481 420 W27
Peponapis fervens (Smith) in Bolivia (Hymenoptera: Apoidea) [Habitat]. Bouseman, J K *Proc Entomol Soc Wash* 77 (4): 508. Dec 1975

029482 513 N212 PT.B
Chromosome studies of oriental anophelines. III. The salivary gland chromosomes of Anopheles subpictus. Seetharam, P L; Chowdaiah, B N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 399-403. Ref. Aug 1974

029483 513 N212 PT.B
Variation in the reproductive potential of Earias fabia Stoll (Lepidoptera: Noctuidae) reared on whole fruit of okra or on its components. Kishore, K; Vishwapremi, C; Krishna, S S *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 440-445. Aug 1974

029484 501 L84B
Genotype—environment interaction. III. Interactions in Drosophila melanogaster. Caligari, P D S; Mather, K *Proc R Soc Lond, B Biol Sci* 191 (1104): 387-411. Ref. Dec 2, 1975

029485 QL362.A1P7
Development of Farmincystis tribolii Weiser (Sporozoa, Neogregarinida) in Palembus ocularis Casey (Coleoptera, Tenebrionidae) and some observations on its fine structure. Canning, E U; Sinden, R E *Protistologica* 11 (2): 221-231. Ref. 1975

029486 QL362.A1P7
Ultrastructure of Gurleya chironomi n. Sp., microsporidan parasite of the genus Orthocladius (Diptera, Chironomidae). (Fre) Loubes, C; Maurand, J *Protistologica* 11 (2): 233-244. Ref. Eng. Sum. 1975

029487 442.8 R326
New observations on flies of the family Tachinidae which parasitize Lepidoptera. (Por) Goncalves, C R; Goncalves, A J L *Rev Bras Biol* 34 (4): 531-534. 1974

029488 9.4 R328
Notes on the origin of insects [Paleoentomology]. (Spa) Negrett F, A J *Rev ESSO Agric* 21 (1): 26-31. Jan/Mar 1975

029489 470 SCI2
Acoustically orienting parasitoids: fly [Euphasiopteryx ochracea] phonotaxis to cricket song [Gryllus integer]. Cade, W *Science* 190 (4221): 1312-1313. Ref. Dec 26, 1975

029490 470 SCI2
Sound production by nearctic wolf spiders [Lycosa and Schizocosa]: a substratum-coupled stridulatory mechanism. Rovner, J.S. *Science* 190 (4221): 1309-1310. Ref. Dec 26, 1975

029491 410.9 SE5
Hermann Priesner (1891-1974), a versatile researcher of theentomological sciences. (Ger) Zur Strassen, R *Senckenb Biol* 56 (1/3): 89-102. Ref. 1975

029492 409.6 SO8
The behaviour of some bembicine wasps [Xerostictia longilabris] of southern Arizona (Hymenoptera: Sphecidae, Microbembex, Glenostictia, Xerostictia). Alcock, J *Southwest Nat* 20 (3): 337-341. Oct 10, 1975

029493 QH431.A1G43
Inversion polymorphism in natural populations of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). Petrova, N A *Sov Genet* 10 (1): 59-68. Ref. Jan 1974 (Transl Aug 1975)

029494 QH431.A1G43
Investigation of the effects of homoeotic mutations. I. Pleiotropic effect of homoeotic aristapedia mutations [Drosophila]. Mglinets, V A *Sov Genet* 10 (1): 69-75. Ref. Jan 1974 (Transl Aug 1975)

029495 QH431.A1G43
Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. Tomenko, T V *Sov Genet* 10 (1): 76-80. Ref. Jan 1974 (Transl Aug 1975)

029496 QH431.A1G43
Mutagenic and modificational activity of nevigramon [Drosophila melanogaster]. Filippova, L M; Efremova, G I *Sov Genet* 10 (1): 128-129. Jan 1974 (Transl Aug 1975)

029497 QH431.A1G43
Petr Fomich Rokitskii (on his seventieth birthday) [Entomolgists]. *Sov Genet* 10 (1): 139-140. Jan 1974 (Transl Aug 1975)

029498 1 AG84TE
A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia Goux (Homoptera: Coccoidea: Pseudococcidae) [New taxa]. Miller, D R; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1497, 61 P. Ref. Sept 1975

029499 421 T21
The growth of larvae of Tipula oleracea Linnaeus, 1758 (Diptera, Tipulidae). Hollander, J den *Tijdschr Entomol* 118 (3/4): 67-82. Ref. 1975

029500 474 UM7
How insects navigate? Bees and ants orient themselves by the polarization pattern of the sky. (Ger) Wehner, R *Umschau* 75 (21): 653-660. Ref. Eng. Sum. Nov 1, 1975

029501 410.9 V67
Ecological adjustment of hormone controlled processes in Philosamia cynthia Dru. (Ger) Nopp, H *Verh Zool Bot Ges Wien* 114: 13-19. Ref. 1974 (Pub. 1975)

029502 410.9 V67
Observations on the rate of egg laying of some grasshoppers (Orthoptera, Acridiidae). (Ger) Sanger, K *Verh Zool Bot Ges Wien* 114: 21-27. 1974 (Pub. 1975)

029503 442.9 M854
Neutral red, special fresh stain for "corpus luteum" in insects. (Rus) Truong Quang Hoc, *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 1: 107-109. Jan/Feb 1975

029504 448.8 V81
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. Eaton, B T *Virology* 68 (2): 534-538. Ref. Dec 1975

029505 442.8 Z33D
Development of complete and bisected male genital disks after transplantation, and duration of host development in Ephestia kuehniella Z. (Ger) Dewes, E *Wilhelm Roux Arch Entwicklungsmech Org* 178 (2): 167-183. Ref. Eng. Sum. 1975

029506 442.8 Z33D
Distribution of mitoses and 3H [hydrogen]-thymidine incorporation in proliferating eye discs of Ephestia kuehniella Zeller. (Ger) Egelhaaf, A; Berndt, P; Kuthe, H W *Wilhelm Roux Arch Entwicklungsmech Org* 178 (2): 185-202. Ref. Eng. Sum. 1975

029507 442.8 Z33D
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. Kalthoff, K; Kandler-Singer, I; Schmidt, O; Zissler, D; Versen, G *Wilhelm Roux Arch Entwicklungsmech Org* 178 (2): 99-121. Ref. 1975

029508 442.8 Z33D
The mechanism of evagination of imaginal discs of Drosophila melanogaster. II. Studies on trypsin-accelerated evagination. Fekete, E; Fristrom, D; Kiss, I; Fristrom, J W *Wilhelm Roux Arch Entwicklungsmech Org* 178 (2): 123-138. Ref. 1975

029509 421 Z36
Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: Ichneumonidae), a parasitoid of Epinotia tedella Cl. (Lepidoptera: Tortricidae). Jorgensen, O F *Z Angew Entomol* 79 (3): 301-309. Ref. Nov 1975

029510 449.8 Z36
Raphidioptera larvae as soil dwellers (Insecta, Neuropteroidea) (with descriptions of larvae of Ornatoraphidia, Parvoraphidia and Superboraphidia). (Ger) Aspock, H; Aspock, U; Rausch, H *Z Angew Zool* 62 (3): 361-375. Eng. Sum. 1975

029511 449.8 Z36
Rearing and breeding of European grasshoppers (Orthoptera: Saltatoria) in the laboratory. (Ger) Helfert, B; Sanger, K *Z Angew Zool* 62 (3): 267-279. Ref. Eng. Sum. 1975

029512 442.8 Z33F
Studies on the morphology of larval stages of Anomotaenia constricta (Cestoda, Cyclophyllidea) from the hemocoele of the beetle Pimelia sulcata. (Fre) Gabrion, C *Z Parasitenkd* 47 (4): 249-262. Ref. Eng. Sum. 1975

029513 410 Z35
The role of the principal and accessory eyes in the photomenotactic orientation of the funnel spider Agelena labyrinthica (Cl.). (Ger) Dornfeldt, K *Z Tierpsychol* 38 (2): 113-153. Ref. Eng. Sum. Sept 1975

029514 421 Z1
Formation of winged insects [Pterygota] and their present system [Evolution]. (Rus) Giliarov, M S *Zashch Rast* 1: 34-37. Jan 1975

421 Z1
Parasites and pathogens of the Japanese nut tree giant silkworm [Forest pests, natural control]. (Rus) Kharchenko, N A; Chelysheva, L P *Zashch Rast* 5: 45. May 1975

029515 421 Z1
Simple method for large-scale collection of Arthropoda. (Rus) Grebennikov, V S *Zashch Rast* 1: 50. Jan 1975

029516 442.8 Z6
An evidence of colour-differentiating ability of the ant Formica sanguinea. (Rus) Mazokhin-Porshniakov, G A; Murzin, S *Zh Obshch Biol* 36 (5): 744-748. Ref. Eng. Sum. 1975

029517 442.8 Z6
Determination of carabid (Coleoptera, Carabidae) role in agrobiological communities by serological method. (Rus) Soboleva-Dokuchaeva, I I *Zh Obshch Biol* 36 (5): 749-761. Ref. Eng. Sum. 1975

029518 410 Z751Z
The mediate-indirect movement of the elytra in the rhinoceros beetles (Orystes boas Fabr., Coleoptera). (Ger) Schneider, P; Meurer, I *Zool Jahrb, Abt Allg Zool Physiol Tiere* 79 (3): 297-310. Ref. Eng. Sum. 1975

029519 410 Z751S
Autecological investigations with Central European Neuroptera. (Ger) Hinke, F *Zool Jahrb, Abt Syst Okol Geogr Tiere* 102 (2): 303-330. Ref. Eng. Sum. 1975

029520 410.9 T57
Breakdown of the prothoracic glands of insects. (Jpn) Ozeki, K *Zool Mag (Tokyo)* 84 (2): 99-108. Ref. June 1975

TAXONOMIC ENTOMOLOGY

029521 434.8 AC1
A new Myobiidae from Madagascar [Madamyobia inflatipilis]. (Fre) Fain, A; Lukoschus, F *Acarologia* 17 (2): 300-305. Eng. Sum. Oct 1975

029522 434.8 AC1
A new species of Tuckerella [hypoterra] from South Dakota and a key with illustrations of all known described species. McDaniel, B; Morihara, D K; Lewis, J K *Acarologia* 17 (2): 274-283. Oct 1975

029523 434.8 AC1
Genus Ledermuelleriopsis Willmann from Lattakia, Syria (Acari: Prostigmata) with a description of two new species. Soliman, Z R *Acarologia* 17 (2): 243-247. Oct 1975

029524 434.8 AC1
Observations on some soil Actinedida (= Prostigmata) from North America. I. A new species of Caligonellidae (Acari, Raphignathoidea): Coptocheles grandjeani n. sp. (Fre) Robaux, P *Acarologia* 17 (2): 236-242. Ref. Oct 1975

029525 434.8 AC1
Observations on some soil Actinedida (= Prostigmata) from North America. II. Redescription of Neophyllobius farrieri De Leon 1958 (Acari, Raphignathoidea, Camerobiidae [New taxa]. (Fre) Robaux, P *Acarologia* 17 (2): 248-256. Ref. Oct 1975

029526 434.8 AC1
Observations on some soil Actinedida (= Prostigmata) from North America. III. Description of two new species of Cryptognathus (Acari, Raphignathoidea, Cryptognathidae). (Fre) Robaux, P *Acarologia* 17 (2): 257-269. Oct 1975

029527 434.8 AC1
Parasitic mites of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. Dusbabek, F; Lukoschus, F S *Acarologia* 17 (2): 306-319. Oct 1975

029528 434.8 AC1
Revision of the family Oppiidae Grandjean 1953 (Acarina, Oribatei) [New taxa]. Seniczak, S *Acarologia* 17 (2): 331-345. Ref. Oct 1975

029529 434.8 AC1
Three new species of the family Sphaerolichidae (Acari: Endeostigmata) from South Africa [Sphaerolichus]. Theron, P D; Ryke, P A J *Acarologia* 17 (2): 220-235. Oct 1975

029530 410 AC82
A revision of the Argentine species of Epirhyssa (Hymenoptera, Ichneumonidae) [New taxa]. Porter, C C *Acta Zool Lilloana* 31 (12): 125-156. 1975

029531 500 N483N
A revision of the South American spider genus Trachelopachys (Araneae, Clubionidae) [New taxa]. Platnick, N I *Am Mus Novit* 2589, 25 P. Maps. Ref. Nov 14, 1975

029532 420 EN82
A revision of the genus Cerenopus (Coleoptera: Tenebrionidae) [New taxa]. Berry, R L *Ann Entomol Soc Am* 68 (6): 925-934. Ref. Nov 1975

029533 420 EN82
A survey of darkling beetles [Philolithus, Stenomorpha] in desert steppe vegetation after a decade. Rogers, L E; Rickard, W H *Ann Entomol Soc Am* 68 (6): 1069-1070. Nov 1975

029534 420 EN82
Taxonomic implications of doryline worker ant morphology: Cheliomyrmex morosus (Hymenoptera: Formicidae). Gotwald, W H Jr; Kupiec, B M *Ann Entomol Soc Am* 68 (6): 961-971. Ref. Nov 1975

029535 436.8 AN7
Presence in Morocco of Phlebotomus bergeroti, Phlebotomus chabaudi, Phlebotomus chadlii and Sergentomyia cristophersi. (Fre) Rioux, J A; Croset, H; Leger, N; Benmansour, N; Cadi Soussi, M; Maistre, M; Jonquet, Y *Ann Parasitol Hum Comp* 50 (4): 493-506. Map. Ref. Eng. Sum. July/Aug 1975

029536 420 F84
On some mountainous Canthonina (Coleoptera, Scarabaeidae) from Madagascar [New taxa]. (Fre) Paulian, R *Ann Soc Entomol Fr* 11 (2): 221-252. Ref. Eng. Sum. Apr/June 1975

029537 420 F84
Revision of the Orthungini from the Malagasy Republic (Hemiptera, Reduviidae, Emesinae) [New taxa]. (Fre) Villiers, A *Ann Soc Entomol Fr* 11 (2): 261-301. Eng. Sum. Apr/June 1975

029538 420 F84
Taxonomic and biological remarks concerning Macrophya (Hymenoptera, Tenthredinidae) developing on Sambucus (Caprifoliaceae). (Fre) Chevin, H *Ann Soc Entomol Fr* 11 (2): 253-260. Eng. Sum. Apr/June 1975

029539 420 F84
The larvae of ant lions (Planipennia: Myrmeleontidae) from France [Identification]. (Fre) Steffan, J R *Ann Soc Entomol Fr* 11 (2): 383-410. Ref. Eng. Sum. Apr/June 1975

410 AN79
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus giliacus (Mammalia, Muridae) [Mice]. Uchikawa, K; Mizushima, S *Annot Zool Jap* 48 (2): 103-107. Ref. June 1975

029540 410 AN79
The geographical differentiation of the cave milliped, Prionomatis nanaoredense [New taxa]. Murakami, Y; Irie, T *Annot Zool Jap* 48 (3): 183-190. Sept 1975

029541 410 AN79
Three galumnids (Acari, Cryptostigmata) from West Bengal, India [Galumna crenata, Galumna parascaber, Galumna flabellifera orientalis, new taxa]. Deb, D C; Raychaudhuri, D N *Annot Zool Jap* 48 (3): 167-171. Sept 1975

029542 410 AN79
Two new cave millipeds from Kochi Prefecture, southwest Japan [Pterygostegia obliqua, Epanerchodus kajimotoi]. Murakami, Y; Kawasawa, T *Annot Zool Jap* 48 (3): 191-197. Sept 1975

029543 410 AR6
Studies of Mydidae (Diptera) systematics and evolution. I. A preliminary classification in subfamilies, with the descriptions of two new genera from the Oriental and and Australian regions. Papavero, N; Wilcox, J *Arq Zool* 25 (1): 1-34. Maps. 1974

029544 410 AR6
Studies of Mydidae (Diptera) systematics and evolution. II. Classification of the Mydinae, with description of a new genus and a revision of Ceriomydas williston. Papavero, N; Wilcox, J *Arq Zool* 25 (1): 35-60. Map. Ref. 1974

029545 450 B84
Leafy Hepaticae of Montana and phytogeographic relationships to neighboring states and provinces. Hong, W S *Bryologist* 78 (3): 304-327. Ref. Fall 1975

029546 420 B773
Revisional notes on African Charaxes, Palla and Euxanthe (Lepidoptera: Nymphalidae). X. [New taxa]. Van Someren, V G L *Bull Br Mus Nat Hist Entomol* 32 (3): 69-136. Ref. 1975

029547 420 B773
The species of Chalcidoidea described from North America north of Mexico by Francis Walker (Hymenoptera) [New taxa]. De Witt Burks, B *Bull Br Mus Nat Hist Entomol* 32 (4): 137-170. Ref. 1975

029548 414.9 C162B
Nearctic and Palaearctic Heterotrissocladius (Diptera: Chironomidae) [New taxa]. Saether, O A *Bull Fish Res Board Can* 193, 67 P. 1975

029549 505 L992B
Onthophgus massai, a new Palearctic species (Coleoptera, Scarabaeoidea). (Fre) Baraud, J *Bull Mens Soc Linn Lyon* 44 (9): 292-295. Nov 1975

029550 S5.B8
Three new species of Lindenius and some others (Hymenoptera, Sphecidae, Crabroninae). (Fre) Leclercq, J *Bull Rech Agron Gembloux* 9 (2): 205-213. Ref. 1974

029551 421 C16
Biosystematics of the genus Euxoa (Lepidoptera: Noctuidae). IV. Eggs of the subgenus Euxoa Hbn. Salkeld, E H *Can Entomol* 107 (11): 1137-1152. Ref. Nov 1975

029552 421 C16
Known distribution of the European skipper, Thymelicus lineola (Lepidoptera: Hesperiidae), in Quebec. McNeil, J N; Duchesne, R M; Comeau, A *Can Entomol* 107 (11): 1221-1225. Maps. Nov 1975

029553 421 C16
Revision of the spider genus Apollophanes (Araneida: Thomisidae) [New taxa]. Dondale, C D; Redner, J H *Can Entomol* 107 (11): 1175-1192. Maps. Ref. Nov 1975

029554 421 C16
The misturata group of the genus Euxoa (Lepidoptera: Noctuidae) with a description of a new species [Euxoa melana]. Lafontaine, J D *Can Entomol* 107 (12): 1327-1332. Map. Dec 1975

029555 443.8 C16
A karyological study of nine species of Torymus (Hymenoptera: Torymidae). Goodpasture, C; Grissell, E E *Can J Genet Cytol* 17 (3): 413-422. Ref. Sept 1975

029556 279.8 C46
Insects perish on tourist trails in the Tatry Mountains. (Pol) Starzyk, J R *Chron Przyr Ojczysta* 30 (1): 14-19. Eng. Sum. Jan/Feb 1974

029557 475 SCI23
A new species of Amorphoidea [coimbatorensis] (Curculionidae, Coleoptera) infesting coconut inflorescence. Subramaniam, T R; Thangavel, P; David, B V *Curr Sci* 44 (22): 825-826. Nov 20, 1975

029558 475 SCI23
Relative growth in some species of Membracidae (Homoptera: Insecta). Ananthasubramanian, K S; Ananthakrishnan, T N *Curr Sci* 44 (23): 857-859. Dec 5, 1975

029559 420 M923
A monograph of the genera of the old world Hispinae (Coleoptera: Chrysomelidae: Hispinae) [New taxa]. (Ger) Wurmli, M *Entomol Arb Mus G Frey Tutzing Munch* 26: 1-86. Maps. Ref. Eng. Sum. 1975

029560 420 M923
A new Lepidiota [spinipennis] from Sumatra (Coleoptera, Melolonthidae). (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 277. 1975

029561 420 M923
A new Luperus [(Calomicrus) macedonicus] species from southern Yugoslavia (Coleoptera, Chrysomelidae, Galerucinae). (Ger) Tomov, V *Entomol Arb Mus G Frey Tutzing Munch* 26: 188-190. 1975

029562 420 M923
A new species of Aspidolea [cevallosi] from Ecuador (Coleoptera, Scarabaeidae, Dynastinae]. (Spa) Martinez, A *Entomol Arb Mus G Frey Tutzing Munch* 26: 307-313. 1975

029563 420 M923
A new species of the genus Monorosiella Bechyne, 1945 (Chrysomelidae, Eumolpinae) [Monorosiella mucronata]. (Ger) Wurmli, M *Entomol Arb Mus G Frey Tutzing Munch* 26: 319-320. 1975

029564 420 M923
Contribution to the study of Neotropical Pachydemini (Coleoptera, Scarabaeidae, Melolonthinae) [New taxa]. (Ger) Martinez, A *Entomol Arb Mus G Frey Tutzing Munch* 26: 227-251. 1975

029565 420 M923
Identification tables of the species of genus Phyllophaga harris and its subgenus Phytalus Er. (Coleoptera, Melolonthidae) [New taxa]. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 201-226. 1975

029566 420 M923
Monograph of Dynastinae (Coleoptera, Melolonthidae). 4. Tribe: Pentodontini of the Ethiopian Region. II. [New taxa]. (Ger) Endrodi, S *Entomol Arb Mus G Frey Tutzing Munch* 26: 321-361. Map. 1975

029567 420 M923
New and little known South American Cyclocephala (Coleoptera, Scarabaeidae, Dynastinae). (Ger) Martinez, A *Entomol Arb Mus G Frey Tutzing Munch* 26: 263-274. 1975

029568 420 M923
New Carabus species from China (Coleoptera, Carabidae). (Ger) Mandl, K *Entomol Arb Mus G Frey Tutzing Munch* 26: 278-291. 1975

029569 420 M923
New coprophagous insects from the Central African Museum, Tervuren (Belgium) and from my museum [Coleoptera]. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 292-296. 1975

029570 420 M923
New Macrodactylini (Coleoptera, Melolonthidae). (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 252-255. 1975

029571 420 M923
New Melolonthidae and Rutelidae from the Zoological State Collection, Munich. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 256-262. 1975

029572 420 M923
New Onthophagus species from South India and Africa (Coleoptera, Scarabaeidae). (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 198-200. 1975

029573 420 M923
New Rutelidae from India [Anomala hirticollis, Prodoratus maculithorax]. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 314-315. 1975

029574 420 M923
New Sericinae and Coprinae from the Malagasy Republic from the Central African Museum in Tervuren at Brussels. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 297-306. 1975

029575 420 M923
New Sericinae from Africa and India (Coleoptera, Melolonthidae) [New taxa]. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 181-187. 1975

029576 420 M923
New South African Onthophagini collected by the Dung beetle research unit, Pretoria (Coleoptera, Scarabaeidae) [New taxa]. (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 191-197. 1975

029577 420 M923
Two new Anomala [keralensis, Anomala minutissima] species (Coleoptera, Melolonthidae, Rutelinae). (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 275-276. 1975

029578 420 M923
Two new Holotrichia [heterotincta, Holotrichia semitomentosa] from Ceylon (Coleoptera, Melolonthidae). (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 26: 316-318. 1975

029579 QL461.E582
Glacier brook chironomids of the Otztal Alps in Tyrol (Diptera: Chironomidae: Diamesinae). (Ger) Kownacka, M; Kownacki, A *Entomol Ger* 2 (1): 35-43. Ref. Eng. Sum. 1975

029580 QL461.E582
Revision of the lacewing subfamily Crocinae (Neuroptera: Nemopteridae) [New taxa]. (Ger) Holzel, H *Entomol Ger* 2 (1): 44-97. Maps. Ref. Eng. Sum. 1975

029581 QL461.E554
Nomenclatural changes in stem borers [Chilo] of gramineous crops. Pawar, A D *Entomol Newsl* 5 (3): 19-21. Mar 1975

029582 421 EN85
A remarkable Appias [indra treadawayi]-form from Mindanao (Lepidoptera, Pieridae). (Ger) Schroder, H *Entomol Z* 85 (22): 249-252. Eng. Sum. Nov 15, 1975

029583 421 EN85
Danaus sita from the Philippine Islands (Lepidoptera, Danaidae). (Ger) Schroder, H *Entomol Z* 85 (24): 270-272. Dec 15, 1975

029584 421 EN85
New Delias from Mindanao (Lepidptera, Pieridae). (Ger) Schroder, H *Entomol Z* 85 (24): 255-269. Dec 15, 1975

029585 421 EN85
Notes on Pieris chieranthi (Lepidoptera, Pieridae). (Ger) Schurian, K *Entomol Z* 85 (22): 252-256. Nov 15, 1975

029586 421 EN85
Raphidia (Mongoloraphidia) mirabilis n. Sp.—a new camel pest from Tadzhikistan. (Ger) Aspock, H; Aspock, U *Entomol Z* 85 (23): 256-260. Dec 1, 1975

029587 420 F662
A new Floridian Polycyrtidea [floridana] with comments on zoogeography of Florida Mesostenini (Hymenoptera: Ichneumonidae) [and comparison with Polycyrtidea limitis from Texas]. Porter, C C *Fla Entomol* 58 (4): 247-255. Ref. Dec 1975

420 F662
Biological notes and new synonymy in Forcipomyia (Diptera: Ceratopogonidae) [parasitized by the hymenopteran genus Forcipestricis]. Wirth, W W *Fla Entomol* 58 (4): 243-245. Ref. Dec 1975

029588 420 F662
Long term can trapping for population analyses of ground-surface, arid-land arachnids. Muma, M H *Fla Entomol* 58 (4): 257-270. Ref. Dec 1975

029589 420 F662
New records for Zethus from Texas (Hymenoptera: Eumenidae). Porter, C C *Fla Entomol* 58 (4): 303-306. Dec 1975

029590 420 F662
Pseudoscorpions from Florida. 4. The genus Dinochernes (Chernetidae) [New taxa]. Muchmore, W B *Fla Entomol* 58 (4): 275-279. Dec 1975

029591 420 F662
Three new species of Pygmephoroidea (Acarina: Tarsonemida) from Fragaria in Florida. Rack, G *Fla Entomol* 58 (4): 231-238. Dec 1975

029592 421 F84
Note on Oedemeridae and Lagriidae of the Ponziane Islands (Coleoptera, Heteromera). (Ita) Bologna, M A *Fragm Entomol* 11 (3): 199-202. Eng. Sum. Sept 10, 1975

029593 421 F84
Notes on some species of Cleridae from Lebanon and Turkey, including description of Trichodes sbordonii n. sp. (Coleoptera). (Ita) Audisio, P *Fragm Entomol* 11 (3): 235-240. Eng. Sum. Sept 10, 1975

029594 421 F84
Psuedoscorpions [Chelonethida] from the Maltese islands [New taxa]. (Ger) Mahnert, V *Fragm Entomol* 11 (3): 185-197. Eng. Sum. Sept 10, 1975

029595 421 F84
Spiders of Lebanon. I. Note on Opopaea punctata (O. Pickard Cambridge, 1872) and other species of this genus (Araneae, Oonopidae). (Ita) Brignoli, P M *Fragm Entomol* 11 (3): 223-233. Ref. Eng. Sum. Sept 10, 1975

029596 421 F84
Studies on Dermaptera. III. Dermaptera from Ponziane Islands. (Ita) Vigna Taglianti, A *Fragm Entomol* 11 (3): 203-211. Ref. Eng. Sum. Sept 10, 1975

410 H992
Raft fouling in the Menai Strait, 1963-1971 [Algae, Arthropoda]. Fry, W G *Hydrobiologia* 47 (3/4): 527-558. Ref. Dec 1, 1975

029597 99.8 IN2
The apical tibial spur formula in the termite genus Odontotermes Holmgren (Isoptera: Termitidae: Macrotermitinae). Thakur, M L *Indian For* 101 (11): 706-708. Nov 1975

029598 421 IN77
Coccoidea collected by the Hokkaido University Expedition to Nepal Himalaya, 1968 (Homoptera) [New taxa]. Takagi, S *Insecta Matsumurana* (New Ser.) 6: 1-33. Ref. July 1975

029599 421 IN77
The horii-group of Fiorinia associated with rhododendrons in East Asia (Homoptera: Coccoidea: Diaspididae) [New taxa]. Takagi, S *Insecta Matsumurana* (New Ser.) 6: 35-61. Ref. July 1975

029600 442.9 AK124
Concerning the fauna of bird lice parasitizing snipes of southern Turkmenistan [New taxa]. (Rus) Fedorenko, I A; Eminov, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 82-89. Ref. Eng. Sum. 1975

029601 442.9 AK124
Faunal characterization of cotton fields agrogeobios in the Murgab oasis [Arthropa, including pests]. (Rus) Kamalov, K *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 69-74. Eng. Sum. 1975

029602 442.9 AK124
On the fauna of bird lice (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. (Rus) Fedorenko, I A; Bel'skaia, G S; Kekilova, A F; Sukhinin, A N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 72-82. Eng. Sum. 1975

029603 442.9 AK124
Spatial distribution of phytophagous beetles in southeastern Karakum. (Rus) Begov, P *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 85-87. 1975

029604 420 EN823
A review of the genus Stenogaster Guerin (Hymenoptera: Vespoidea). Vecht, J van der *J Aust Entomol Soc* 14 (3): 283-308. Ref. Sept 29, 1975

029605 420 EN823
Corrections to S. L. Tuxen's "Australian Protura" (1967) [Berberentulus pseudonitidus]. Tuxen, S L; Imadate, G *J Aust Entomol Soc* 14 (3): 193-195. Sept 29, 1975

029606 420 EN823
Hunteracarus womersleyi gen. N., sp. N., a laelapid mite (Acari) associated with Cephalodesmius armiger Westwood (Coleoptera: Scarabaeidae). Costa, M *J Aust Entomol Soc* 14 (3): 263-269. Sept 29, 1975

029607 420 EN823
New Australian Scenopinidae (Diptera). Kelsey, L P *J Aust Entomol Soc* 14 (3): 197-212. Sept 29, 1975

029608 420 EN823
Records of two species of Ectopsocus McLachlan (Psocoptera: Ectopsocidae) from one Tree Island, Queensland. Smithers, C N *J Aust Entomol Soc* 14 (3): 243-245. Sept 29, 1975

029609 420 EN823
The first record of Rachelia extrusa (C. And R. Felder) (Lepidoptera: Hesperiidae: Trapezitinae) in Australia. Atkins, A *J Aust Entomol Soc* 14 (3): 237-241. Sept 29, 1975

029610 420 EN823
The immature stages of Drepanacra binocula (Neuroptera: Hemerobiidae), with notes on the relationships of the genus. *J Aust Entomol Soc* 14 (3): 247-250. Sept 29, 1975

029611 420 EN823
The immature stages of Paradasyhelea minuta Wirth and Lee with a note on adult antennal sensilla and a discussion on the relationships of the genus Paradasyhelea Macfie. Kettle, D S; Elson, M M *J Aust Entomol Soc* 14 (3): 255-261. Ref. Sept 29, 1975

029612 QH7.J6
Anomalous Miridae (Heteroptera) from Australasia [Pseudopalaucoris, Mertilanidea, Termatomiris, new taxa]. Ghauri, M S K *J Nat Hist* 9 (6): 611-618. Nov/Dec 1975

029613 QH7.J6
Cixiidae (Fulgoroidea: Homoptera) from Reunion Island [Oliarus, Aselgeoides, Brixia, new taxa]. Williams, J R *J Nat Hist* 9 (6): 669-680. Nov/Dec 1975

029614 QH7.J6
Jugalpada—a new genus of Halyini (Pentatomidae, Heteroptera). Ghauri, M S K *J Nat Hist* 9 (6): 629-632. Nov/Dec 1975

029615 514 P432
Local taxonomy and terminology for some terrestrial arthropods in five different ethnic groups of Papua New Guinea and central Australia. Meyer-Rochow, V B *J R Soc West Aust* 58 (1): 15-30. Ref. May 1975

029616 422.59 P76
Beetles—Coleoptera: leaf beetles—Chrysomelidae; subfamilies: Chrysomelinae and Galerucinae. (Pol) Warchalowski, A *Klucze Oznacz Owadow Pol* 19 (94b), 79 P. 1973

029617 422.59 P76
Beetles—Coleoptera: leaf beetles—Carabidae; subfamilies: Bembidinae, Trechinae. (Pol) Pawlowski, J *Klucze Oznacz Owadow Pol* 19 (3b), 94 P. 1974

029618 422.59 P76
Hymenoptera: Ibaliidae. (Pol) Kierych, E *Klucze Oznacz Owadow Pol* 24 (22), 12 P. 1974

029619 420 N15
A new species of Euphaedra [dargei] (Lepidoptera, African Nymphalidae). (Fre) Hecq, J *Lambillionea* 75 (7/8): 51-53. Nov 25, 1975

029620 420 N15
Catalog of the Belgian Lepidoptera. (Fre) Hackray, J; Sarlet, L G *Lambillionea* 75 (7/8, Suppl.): 51-64. Nov 25, 1975

029621 420 N15
Description of nine Attacidae from South America (Lepidoptera) [New taxa]. (Fre) Lemaire, C *Lambillionea* 75 (7/8): 55-61. (Continued) Nov 25, 1975

029622 420 N15
Description of nine Attacidae from South America (Lepidoptera) [New taxa]. (Fre) Lemaire, C *Lambillionea* 75 (9/10): 72-80. (Concluded) Dec 5, 1975

029623 420 N15
Diagnosis of three new species of Lepidoptera Heterocera from East Africa [Imbrasia (Nudaurelia) zaodeae, Phiala bergeri, Macropoliana afarorum]. (Fre) Rougeot, P C *Lambillionea* 75 (9/10): 68-71. Dec 5, 1975

029624 420 N15
Note on Melitaea phoebe Denis & Schiff. (Fre) Hackray, J *Lambillionea* 75 (7/8): 50-51. Nov 25, 1975

029625 420 N15
Some notable captures carried out in 1975 (IV to VII). (Fre) Fontane, M *Lambillionea* 75 (7/8): 53-54. Nov 25, 1975

029626 420 N15
Some observations on Rhopalocera during the months of June and July, 1975. (Fre) Hecq, J *Lambillionea* 75 (9/10): 66-68. Dec 5, 1975

029627 420 N15
Two Pterophoridae from Saint Helena Island [Crombrugghia wahlbergi, Agdistis sanctae-helenae]. (Fre) Bigot, L *Lambillionea* 75 (7/8): 62-64. Nov 25, 1975

029628 421 M33
Hoplothrips (Odontoplothrips) cleistanthi, a new species ofgall forming Thysanoptera from New Caledonia. (Fre) Bournier, A *Marcellia* 38 (4): 323-326. Oct 1975

029629 QL651.M4
A preliminary review of the Stratiomyidae of Chile. II. [New taxa]. James, M T *Melanderia* 20, 28 P. 1975

029630 QL461.E58
Local collection of butterflies (Lepidoptera) from the Kivu area (Republic of Zaire, Africa). (Ger) Ziegler, H *Mitt Entomol Ges Basel* (New Ser.) 25 (4): 101-116. Dec 1975

029631 QL1.M6 SUPPL.
Studies on cicindelids. 12. Cicindelidae collected by Avv. Mario Cassola in some south eastern regions of Africa (Coleoptera Cicindelidae). Cassola, F *Monit Zool Ital, Suppl* (New Ser.) 6 (9): 189-221. Map. Ref. Sept 15, 1975

029632 QL1.M6 SUPPL.
Taxonomic notes on the Amblypygi (Arachnida, Chelicerata) from Ethiopia and Somalia. Delle Cave, L; Simonetta, A M *Monit Zool Ital, Suppl* (New Ser.) 6 (7): 141-166. Map. Ref. July 31, 1975

029633 QL536.M6
A new species of Topomyia [vijayae] from Peninsular Malaysia (Diptera: Culicidae). Ramalingam, S *Mosq Sys* 7 (3): 185-192. Sept 1975

029634 QL536.M6
Collection records of the project "mosquitoes of Middle America." 2. Puerto Rico (PR,PRA,PRX) and Virgins Islands (VI,VIA). Belkin, J N; Heinemann, S J *Mosq Sys* 7 (3): 269-296. Sept 1975

029635 QL536.M6
Comments on reproductive isolation and phylogeny of mosquitoes of the genus Aedes. Hartberg, W K *Mosq Sys* 7 (3): 193-206. Ref. Sept 1975

029636 QL536.M6
Geographical distribution of Culicinae in Brazil. III. State of Para (Diptera, Culicidae). Xavier, S H; Silva Mattos, S da *Mosq Sys* 7 (3): 234-268. Ref. Sept 1975

029637 QL536.M6
Mosquito larvae. III. The hairiness factor again? Mattingly, P F *Mosq Sys* 7 (3): 179-184. Ref. Sept 1975

029638 QL536.M6
Mosquitoes of the Ryukyu Archipelago (Diptera: Culicidae). Tanaka, K; Saugstad, E S; Mizusawa, K *Mosq Sys* 7 (3): 207-234. Ref. Sept 1975

029639 100 M36M
A revision of the genus Palpomyia Meigen of northeastern North America (Diptera: Ceratopogonidae). Grogan, W L Jr; Wirth, W W; Maryland Agricultural Experiment Station *MP Univ Md Agric Exp Stn* 875, 49 P. Ref. Aug 1975

029640 509 G71
About Rhaphidozygaena anthyllidis Boisduval. (Ger) Burgeff, H *Nachr Akad Wiss Gottingen* 10, 18 P. 1975

029641 410 N216
The sawfly types of Abbe Leon Provancher (Hymenoptera: Symphyta) [New taxa]. Smith, D R *Nat Can* 102 (3): 293-304. Ref. May/June 1975

029642 472 N21
Adaptive radiation in the subgenus Scaptodrosophila of Australian Drosophila. Bock, I R; Parsons, P A *Nature* 258 (5536): 602. Map. Dec 18, 1975

029643 421 P193
A new species of Rhexinia, [tucumanensis] from Argentina (Coleoptera: Pselaphidae). Grigarick, A A; Schuster, R O *Pan Pac Entomol* 51 (4): 315-317. Oct 1975

029644 421 P193
Mexican Pogonocherini (Coleoptera: Cerambycidae) [New taxa]. Chemsak, J A; Linsley, E G *Pan Pac Entomol* 51 (4): 271-286. Oct 1975

029645 421 P193
New species of Trichoptera [tamalpaisi] from western North America. Denning, D G *Pan Pac Entomol* 51 (4): 318-326. Oct 1975

029646 421 P193
Notes and descriptions of some North American Omethinae (Coleoptera: Omethidae) [New taxa]. Fender, K M *Pan Pac Entomol* 51 (4): 298-302. Oct 1975

029647 421 P193
The drosophila pinicola species group (Diptera: Drosophilidae). Spieth, H T; Heed, W B *Pan Pac Entomol* 51 (4): 287-295. Ref. Oct 1975

029648 421 P193
The occurrence of a second genus of spongilla-fly (Sisyra vicaria (Walker)) at Clear Lake, Lake County, California. Grigarick, A A *Pan Pac Entomol* 51 (4): 296-297. Oct 1975

029649 421 P193
Tiaja insula, a new megophthalmine leafhopper from the Santa Barbara Channel Islands (Homoptera: Cicadellidae). Sawbridge, J R *Pan Pac Entomol* 51 (4): 268-270. Oct 1975

56.8 P343
Seasonal and vertical distribution of a population of soil arthropods: Cryptostigmata. Usher, M B *Pedobiologia* 15 (5): 364-374. Ref. 1975

029650 420 W27
A new species of Ischnoclopius Stal [peruensis], with notes on the systematic position of the genus (Hemiptera: Reduviidae). Hart, E R *Proc Entomol Soc Wash* 77 (4): 419-425. Dec 1975

029651 420 W27
A new species of Enlinia [robinsoni] from Oklahoma (Diptera: Dolichopodidae). Steyskal, G C *Proc Entomol Soc Wash* 77 (4): 478-480. Dec 1975

029652 420 W27
A new subspecies of Glaucopsyche (Phaedrotes) piasus [nevada] from Nevada (Lepidoptera: Lycaenidae). Brown, F M *Proc Entomol Soc Wash* 77 (4): 501-504. Dec 1975

029653 420 W27
A strange aphid form [Monelliopsis nigropunctata from leaves of carya tomentosa]. Bissell, T L *Proc Entomol Soc Wash* 77 (4): 504. Dec 1975

029654 420 W27
Additions to the nearctic Anthicus (Coleoptera: Anthicidae) [New taxa]. Werner, F G *Proc Entomol Soc Wash* 77 (4): 472-477. Dec 1975

029655 420 W27
Males of three species of Cheyletus (Acarina: Cheyletidae). Summers, F M *Proc Entomol Soc Wash* 77 (4): 446-455. Dec 1975

029656 420 W27
Notes on the genus Lygistorrhina Skuse with the description of the first nearctic species [Lygistorrhina sanctaecatharinae] (Diptera: Mycetophiloidea) [New taxa]. Thompson, F C *Proc Entomol Soc Wash* 77 (4): 434-445. Map. Ref. Dec 1975

029657 420 W27
Notes on the genus Pomerantzia Baker with a description of a new species from Indiana (Acarina: Pomerantziidae) [Pomerantzia kethleyi]. Price, D W *Proc Entomol Soc Wash* 77 (4): 487-490. Dec 1975

029658 420 W27
Orus femineus, a new species of Staphylinidae (Coleoptera) from Florida. Moore, I; Legner, E F *Proc Entomol Soc Wash* 77 (4): 491-493. Dec 1975

029659 420 W27
Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of males and immature stages (Acarina: Cheyletidae). Smiley, R L; Moser, J C *Proc Entomol Soc Wash* 77 (4): 405-418. Dec 1975

029660 420 W27
The genus Myzodium with the description of Myzodium knowlton, new species (Homoptera: Aphididae). Smith, C F; Robinson, A G *Proc Entomol Soc Wash* 77 (4): 481-486. Dec 1975

029661 420 W27
The male of the South American katydid genus Phlugiola [redtenbacheri], and a new related genus [Lucienola] from the Solomon Islands (Orthoptera: Tettigoniidae, Meconematinae). Gurney, A B *Proc Entomol Soc Wash* 77 (4): 426-433. Ref. Dec 1975

029662 420 W27
Two new neotropical Stenolemus (Reduviidae: Emesinae) [from Bolivia and Haiti]. Capriles, J M *Proc Entomol Soc Wash* 77 (4): 456-459. Dec 1975

029663 500 C125E
A revision of the genus Pelidnota of America north of Panama (Coleoptera: Scarabaeidae; Rutelinae). Hardy, A R *Publ Entomol Univ Calif* 78, 43 P. Maps. 1975

029664 23 Q33
Identifying insects: cockroaches, (order Blattodea). Galloway, I D *Queensl Agric J* 101 (4): 399-402. July/Aug 1975

029665 S544.3.M6M6
The damselflies (Zygoptera) of Montana. Roemhild, G; Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 87, 53 P. Maps. Ref. Nov 1975

029666 S1.U7
Larvae of the Apidae (Hymenoptera, Apoidea). I. Apini, Apis. Torchio, P F; Torchio, D M; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 20, I.e. 20A, 36 P. Ref. Feb 1975

029667 449.9 M572
List and data on the geographic distribution of scorpions (Scorpionida) in Mexico. (Spa) Diaz Najera, A *Rev Invest Salud Publica* 35 (1): 1-36. Ref. Eng. Sum. Jan/Mar 1975

029668 410 R324
A consideration of the subgenus Metgaschizophyllum of the diplopod genus Ommatoiulus (Julidae) [New taxa]. Hoffman, R L *Rev Suisse Zool* 82 (3): 459-464. Nov 1975

029669 410 R324
A new genus and species in the diplopod family Nearctodesmidae from Mexico, with a proposed classification of the suborder Polydesmidea [Jaliscodesmus alticola]. Hoffman, R L *Rev Suisse Zool* 82 (3): 647-654. Nov 1975

029670 410 R324
A new Panelus [rhodesiensis] (Coleoptera, Scarabaeidae) from tropical Africa. (Fre) Paulian, R *Rev Suisse Zool* 82 (3): 465-467. Eng. Sum. Nov 1975

029671 410 R324
An unpublished species of Diploura insect Parajapygidae from Guatemala: Parajapyx (P.) strinatii, n. sp. (Fre) Pages, J *Rev Suisse Zool* 82 (3): 519-525. Eng. Sum. Nov 1975

029672 410 R324
Arrhopalites slovacicus a new species of Collembola from the Domica cave. Nosek, J *Rev Suisse Zool* 82 (3): 599-602. Nov 1975

029673 410 R324
Collembola from wood holes in Styria (Austria) [New taxa]. (Ger) Nosek, J; Sixl, W *Rev Suisse Zool* 82 (3): 531-538. Ref. Eng. Sum. Nov 1975

029674 410 R324
Contribution to the knowledge of the Histeridae from South India (Coleoptera) [New taxa]. Mazur, S *Rev Suisse Zool* 82 (3): 433-444. Nov 1975

029675 410 R324
Contributions to the study of Clavigerinae from Africa (Coleoptera, Pselaphidae). 9. Description of a new Clavigerinae [Xenomussardia besucheti] from Rhodesia and note on the intraspecific variations of Hoplitoxenus joannae Jeannel. (Fre) Celis, M J *Rev Suisse Zool* 82 (3): 655-658. Eng. Sum. Nov 1975

029676 410 R324
Indian bark and timber beetles. VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [New taxa]. Schedl, K E *Rev Suisse Zool* 82 (3): 445-458. Nov 1975

029677 410 R324
New and interesting mites from the Geneva Museum. XV. Contribution to the Tarsonemidae fauna from South India (Acari) [New taxa]. (Ger) Mahunka, S *Rev Suisse Zool* 82 (3): 495-506. Eng. Sum. Nov 1975

029678 410 R324
New Aphodiinae, Hybosorinae, Bolbocerinae and Orphninae (Coleoptera, Scarabaeidae). (Ger) Petrovitz, R *Rev Suisse Zool* 82 (3): 615-624. Eng. Sum. Nov 1975

029679 410 R324
Palpigrades from the Geneva Museum of Natural History [Eukoenenia, new taxa]. (Fre) Conde, B *Rev Suisse Zool* 82 (3): 507-513. Eng. Sum. Nov 1975

029680 410 R324
Pseudoscorpions from Reunion island and Djibouti [New taxa]. (Ger) Mahnert, V *Rev Suisse Zool* 82 (3): 539-561. Eng. Sum. Nov 1975

029681 410 R324
Revision of the Genus Cratna Raffray (Coleoptera, Pselaphidae) [New taxa]. (Ger) Lobl, I *Rev Suisse Zool* 82 (3): 563-583. Eng. Sum. Nov 1975

029682 410 R324
Several new Endomychidae from India (Coleoptera). Strohecker, H F *Rev Suisse Zool* 82 (3): 625-628. Nov 1975

029683 410 R324
Some Acanthoceridae (Coleoptera, Scarabaeoidea) from South India [New taxa]. (Fre) Paulian, R *Rev Suisse Zool* 82 (3): 603-614. Ref. Eng. Sum. Nov 1975

029684 410 R324
Some Diplopoda from Turkey [New taxa]. (Ger) Strasser, K *Rev Suisse Zool* 82 (3): 585-597. Ref. Eng. Sum. Nov 1975

029685 410 R324
Studies on Collembola. XX. Two new Onychiurus from the Venete Prealps [Onychiurus paolettii, Onychiurus hauseri]. (Ita) Dallai, R *Rev Suisse Zool* 82 (3): 515-518. Eng. Sum. Nov 1975

029686 410 R324
Studies on scorpions belonging to or deposited in the Geneva Museum of Natural History. I. Contribution to a better knowledge of the species and subspecies of scorpions of the genus Euscorpius Thorell, 1876 (family Chactidae) [New taxa]. (Fre) Vachon, M *Rev Suisse Zool* 82 (3): 629-645. Ref. Eng. Sum. Nov 1975

029687 410 R324
Study on the systematics and geonemy of Xantholinus. XI. A new species at the Geneva Museum of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, Staphylinidae). 47th contribution to the knowledge of Staphylinidae. (Ita) Bordoni, A *Rev Suisse Zool* 82 (3): 659-661. Eng. Sum. Nov 1975

029688 410 R324
Symmocid moths (Lepidoptera) from Africa in the Museum d'histoire naturelle, Geneve [Dyscordaxis pygmeus, Afrosymmoca seydeli, new taxa]. Gozmany, L A *Rev Suisse Zool* 82 (3): 527-529. Nov 1975

029689 410.9 SE5
Ameronothrus schubarti n. Sp. From the sea coast of California (Arachnida: Acari: Oribatei). (Ger) Weigmann, G; Schulte, G *Senckenb Biol* 56 (1/3): 133-143. Eng. Sum. 1975

029690 410.9 SE5
Flies of the Senckenberg Museum. III. Pseudoxenos ropalidiae n. sp. (Insecta: Strepsiptera). (Ger) Kinzelbach, R K *Senckenb Biol* 56 (1/3): 69-73. Eng. Sum. 1975

029691 410.9 SE5
New Cychropsis finding from Nepal, with supplementary description of Cychropsis mandli Paulus (Coleoptera: Carabidae, Cychrini) [New taxa]. (Ger) Paulus, H F *Senckenb Biol* 56 (1/3): 31-36. Map. 1975

029692 410.9 SE5
Osmiinae from the Canary Islands (Insecta: Hymenoptera: Megachilidae) [New taxa, Osmia. (Ger) Peters, D S *Senckenb Biol* 56 (1/3): 47-56. Eng. Sum. 1975

029693 410.9 SE5
Parafallia johni n. Sp. From Nepal (Coleoptera: Discolomidae). (Ger) Geisthardt, M *Senckenb Biol* 56 (1/3): 39-41. 1975

029694 410.9 SE5
Study of the bee genus Morawitzia Friese (Hymenoptera: Apoidea: Halictidae). (Ger) Schwammberger, K H *Senckenb Biol* 56 (1/3): 65-68. 1975

029695 410.9 SE5
The Himalayan species of Henoticus Thompson (Coleoptera: Cryptophagidae) [New taxa]. Johnson, C *Senckenb Biol* 56 (1/3): 37-38. 1975

029696 410.9 SE5
The until now unknown species of the bee genus RhophitoidesSchenck (Hymenoptera: Apoidea: Halictidae) [New taxa]. (Ger) Schwammberger, K H *Senckenb Biol* 56 (1/3): 57-63. 1975

029697 410.9 SE5
Thysanoptera notices. 3. (Insecta: Thysanoptera) [New taxa]. (Ger) Zur Strassen, R *Senckenb Biol* 56 (1/3): 75-88. Ref. Eng. Sum. 1975

029698 410.9 SE5
Two noteworthy Hyperaspis species from East Africa Coleoptera: Coccinellidae) [New taxa]. (Ger) Fursch, H *Senckenb Biol* 56 (1/3): 43-45. 1975

029699 QL21.U5S6
Revision of the stonefly family Nemouridae (Plecoptera): a study of the world fauna at the generic level [New taxa]. Baumann, R W *Smithson Contrib Zool* 74 P. Maps. Ref. 1975

029700 QL21.U5S6
Studies of the subtribe Tachyina (Coleoptera: Carabidae: Bembidiini). III. Systematics, phylogeny, and zoogeography of the genus Tachyta Kirby [New taxa]. Erwin, T L *Smithson Contrib Zool* 208, 68 P. Maps. Ref. 1975

029701 QL21.U5S6
Systematics and zoogeography of the family Neopseustidae with the proposal of a new superfamily (Lepidoptera: Neopseustoidea). Davis, D R *Smithson Contrib Zool* 210, 45 P. Ref. 1975

464.9 B64
Investigatons on taxonomy, host plants and distribution of the long-horned beetles (Cerambycidae-Coleoptera) in Aegean Region. (Tur) Gul-Zumreoglu, S *Tek Bul Bornova Zirai Mucadele Enst* 28, 208 P. Ref. Eng. Sum. 1975

029702 421 T21
Key to the European species of Brachycaudus, subgenus Acaudus (Homoptera, Aphidoidea), with redescriptions and a note on Brachycaudus persicae. Burger, H C *Tijdschr Entomol* 118 (5): 99-116. Ref. 1975

029703 421 T21
The phenology and habitat of the species of the subgenus Tipula Linnaeus in the Netherlands (Diptera, Tipulidae). Hollander, J den *Tijdschr Entomol* 118 (3/4): 83-97. Ref. 1975

029704 420 P53
A revision of the bees of the genus Andrena of the western hemisphere. VII. Subgenus Euandrena. Laberge, W E; Ribble, D W *Trans Am Entomol Soc* 101 (3): 371-446. Maps. Ref. Sept 1975

029705 420 P53
A revision of the nearactic species of the genus Phronia (Diptera: Mycetophilidae). Gagne, R J *Trans Am Entomol Soc* 101 (2): 227-318. Maps. Ref. June 1975

029706 420 P53
A revision of Tanarthrus Leconte with a presentation of its mid-Cenozoic speciation (Coleoptera: Anthicidae). Chandler, D S *Trans Am Entomol Soc* 101 (2): 319-354. Ref. June 1975

029707 420 P53
Biosystematics of the North and Central American species of Gibbobruchus (Coleoptera: Bruchidae: Bruchinae). Whitehead, D R; Kingsolver, J M *Trans Am Entomol Soc* 101 (2): 167-225. Maps. Ref. June 1975

029708 420 P53
Recognition of seven Uhler manuscript names, with notes on thirteen other species used by Heidemann (1892) (Hemiptera: Miridae). Wheeler, A G Jr; Henry, T J *Trans Am Entomol Soc* 101 (3): 355-369. Ref. Sept 1975

029709 420 P53
The burrowing mayflies of the United States (Ephemeroptera: Ephemeroidea). McCafferty, W P *Trans Am Entomol Soc* 101 (3): 447-504. Ref. Sept 1975

60.18 UN33
Single step mechanical thatch removal [in lawns and golf courses]. Verma, B P; Davis, D C *USGA Green Sect Rec* 13 (6): 11-13. Nov 1975

029710 410.9 V67
Description of a new species of the genus Radamopsis [franzi] (Coleoptera, Pselaphidae, Clavigerinae). (Fre) Celis, M J *Verh Zool Bot Ges Wien* 114: 9-11. 1974 (Pub. 1975)

029711 421 Z1
Taxonomy of the genus Trichogramma. (Rus) Sugoniaev, E S; Sorokina, A P *Zashch Rast* 6: 33-35. June 1975

029712 410 Z751S
Colonization of a new island: studies on the "Hoher Knechtsand" [Insects]. (Ger) Topp, W *Zool Jahrb, Abt Syst Okol Geogr Tiere* 102 (2): 215-240. Maps. Ref. Eng. Sum. 1975

029713 410 Z751S
Larval forms of some Central European Euscelini (Homoptera, Auchenorrhyncha). (Ger) Walter, S *Zool Jahrb, Abt Syst Okol Geogr Tiere* 102 (2): 241-302. Ref. Eng. Sum. 1975

APICULTURE AND SERICULTURE

029714 424.8 AB36
My method of [Apis mellifera] queen rearing: adaptation of Orosi's method for manipulation in the open air by using the Phillips starter. (Fre) Korsos, E *Abeille Fr Apicul* 588: 386-388. Nov 1975

029715 S671.A2
Effect of beehive space arrangement on bee performance. (Slo) Knapo, A *Acta Technol Agric* 14: 33-43. Eng. Sum. 1975

029716 385 AG8B
A simple procedure for partial purification of silkworm [Bombyx mori] brain hormone. Suzuki, A; Isogai, A; Horii, T; Ishizaki, H; Tamura, S *Agric Biol Chem* 39 (11): 2157-2162. Ref. Nov 1975

029717 22.5 N682
Nutrition and artificial feed for silkworm [Bombyx mori]. 3. (Jpn) Ito, T *Agric Hortic* 50 (6): 795-798. Ref. June 1975

029718 SF521.A4
Introduction of the Italian bee [Apis mellifera ligustica] to Germany by Johann Dzierzon in 1853. (Ger) Kaiser, F *Allg Dtsch Imkerztg* 9 (12): 334-337. Dec 1975

029719 SF521.A4
Problems in honey supply for bees in southern Germany [Apis mellifera]. (Ger) Gnadinger, F *Allg Dtsch Imkerztg* 9 (12): 325-326, 328. Dec 1975

029720 424.8 AM3
A beekeeper's right to keep bees lawfully on property, over a neighbor's objections [Legislation]. Bailey, N E *Am Bee J* 115 (12): 474-475, 490. Dec 1975

029721 424.8 AM3
Benomyl ineffective against Nosema apis. Mussen, E C; Furgala, B *Am Bee J* 115 (12): 478, 490. Dec 1975

029722 424.8 AM3
Honeybees, gooseberries and dollars [Bees as pollinators, returns]. Burgett, M *Am Bee J* 115 (12): 482. Dec 1975

029723 424.8 AM3
Overwintering of colonies of honeybees [Apis mellifera] with restricted and unrestricted broodrearing in Louisiana. Kauffeld, N M *Am Bee J* 115 (12): 480-481, 490. Dec 1975

029724 424.8 AM3
The effect of long term storage on the nutritive value of pollen for brood rearing of honeybees. Dietz, A; Stephenson, S P *Am Bee J* 115 (12): 476-477, 482. Ref. Dec 1975

029725 447.8 AM3
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the silkmoth Hyalophora cecropia during the larval-pupal transformation. Jungreis, A M; Dailey, J C; Hereth, M L *Am J Physiol* 229 (5): 1448-1454. Ref. Nov 1975

029726 410 B77
The cocoon spinning behaviour of the Chinese oak silkworm, Antheraea pernyi. Lounibos, L P *Anim Behav* 23 (4): 843-853. Ref. Nov 1975

029727 420 EN82
Measuring the concentration of spermatozoa from honey bees [Apis mellifera] with spectrophotometry. Harbo, J R *Ann Entomol Soc Am* 68 (6): 1050-1052. Nov 1975

029728 420 EN82
Swarming honey bees [Apis mellifera] guided by pheromones. Avitabile, A; Morse, R A; Boch, R *Ann Entomol Soc Am* 68 (6): 1079-1082. Nov 1975

029729 424.8 AP2
Colors seen by bees [Apis mellifera] and coloring of beehives. (Ita) Antognoli, D *APE, Riv Svizz Apic* 58 (10): 148-149. Oct 1975

029730 SF521.A62
Beekeeping and developing countries. Townsend, G F *Apiacta* 10 (3): 125-128. 1975

029731 SF521.A62
Beekeeping and developing countries. Townsend, G F *Apiacta* 10 (3): 125-128. 1975

029732 SF521.A62
Industrial development and its effects on beekeeping. Steche, W *Apiacta* 10 (3): 119-124. 1975

029733 SF521.A62
Industrial development and its effects on beekeeping. Steche, W *Apiacta* 10 (3): 119-124. 1975

029734 SF521.A62
Influence of environment on productivity of bee colonies. Bilash, G D *Apiacta* 10 (3): 111-118. 1975

029735 SF521.A62
Influence of environment on productivity of bee [Apis mellifera] colonies. Bilash, G D *Apiacta* 10 (3): 111-118. 1975

029736 SF521.A62
Man's utilization of natural resources through bees. Crane, E *Apiacta* 10 (3): 97-105. 1975

029737 SF521.A62
Man's utilization of natural resources through bees [Apis mellifera]. Crane, E *Apiacta* 10 (3): 97-105. 1975

029738 SF521.A62
The bee, conservator of nature by pollination of wild plants. Lecomte, J *Apiacta* 10 (3): 107-110. 1975

029739 SF521.A62
The bee [Apis mellifera], conservator of nature by pollination of wild plants. Lecomte, J *Apiacta* 10 (3): 107-110. 1975

029740 SF521.A64
Contribution to the study of Melipona beecheii B. (Hymenoptera, Apidae), a bee of Mexico: caste determination in the Meliponini. (Fre) Darchen, R; Delage-Darchen, B *Apidologie* 6 (4): 295-339. Ref. Eng. Sum. 1975

029741 SF521.A64
Study of the Andrena carantonica behavior during the blooming of the Golden Delicious apple trees [Apoidea, pollination]. (Fre) Chansigaud, J *Apidologie* 6 (4): 341-359. Ref. Eng. Sum. 1975

029742 SF521.A64
The influence of genetic variability on thermoregulation in honeybees [Apis mellifera]. (Ger) Bruckner, D *Apidologie* 6 (4): 361-380. Ref. Eng. Sum. 1975

029743 424.8 V66
Trends in commercial beekeeping. White, B *Aust Bee J* 56 (8): 28-29. Oct 1975

029744 424.8 B3925
Short-lugged frames [Beehives]. Dines, A M ed *Bee Craft* 57 (11): 206-208. Nov 1975

029745 424.8 B3925
The removal of a wild colony from a dense thicket [Bees]. Young, R C *Bee Craft* 57 (11): 208-210. Nov 1975

029746 424.8 B399
Apiculture in Madagascar. Chandler, M T *Bee World* 56 (4): 149-153. 1975

029747 424.8 B399
Bee energetics. *Bee World* 56 (1): 3-4. 1975

029748 424.8 B399
Beehives from ancient Greece. Graham, A J *Bee World* 56 (2): 64-75. 1975

029749 424.8 B399
Racial discrimination [Honeybees, colonies]. *Bee World* 56 (3): 102-103. 1975

029750 424.8 B399
Recent research on honeybee viruses. Bailey, L *Bee World* 56 (2): 55-64. Ref. 1975

029751 424.8 B399
Reprints of early English bee books. Smith, D A *Bee World* 56 (1): 16-20. 1975

029752 424.8 B399
Some evidence of bees and honey in ancient Egypt. Leek, F F *Bee World* 56 (4): 141-148, 163. 1975

029753 424.8 B399
Some facts about beekeeping in Kashmir. Shah, F A *Bee World* 56 (3): 103-108. 1975

029754 424.8 B399
Storage of queen honeybees. Reid, M *Bee World* 56 (1): 21-31. Ref. 1975

029755 424.8 B399
The metrication [measurement] of beekeeping equipment. Walton, G M *Bee World* 56 (3): 109-119. Ref. 1975

029756 424.8 B399
Varroa jacobsoni: a prospective pest of honeybees in many parts of the world. Akratanakul, P; Burgett, M *Bee World* 56 (3): 119-121. Ref. 1975

029757 424.8 B3991
Bee venom. White, D S *Beekeeping Devon Beekeep Assoc* 42 (1): 12-13. Ref. Jan/Feb 1976

029758 424.8 B476
Beehive for the apiculturist in delay. (Ger) Laufer, J *Biene* 111 (12): 364-365. Dec 1975

029759 424.8 B476
Profitability of apiculture based on breeding. (Ger) Golz, W *Biene* 111 (11): 327-332. Nov 1975

029760 424.8 B477
Anton Janscha, a pioneer in apiculture. (Ger) Stehle, *Bienenpflege* 12: 243-244. Dec 1975

029761 424.8 B477
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the honeybee disease regulation [Apis mellifera, acarine disease, foulbrood]. (Ger) *Bienenpflege* 12: 237-240. Dec 1975

029762 424.8 B477
The importance of ants [Formicidae] for West German apiculture. II. (Ger) Goswald, *Bienenpflege* 12: 246-249. Dec 1975

029763 424.8 B472
A combined swarm and all-purpose box [Apicultural equipment]. (Ger) Reinprecht, *Bienenvater* 95 (1): 10-12. Jan 1976

029764 424.8 B472
A simple solar wax extractor [Apicultural equipment]. (Ger) Melicher, K *Bienenvater* 96 (12): 348-349. Dec 1975

029765 424.8 B472
Basic considerations on melezitose honey production. (Ger) Bretschko,; Reinprecht, *Bienenvater* 97 (1): 7-10. Jan 1976

029766 424.8 B472
Breeding of the Carniolan bee [Apis mellifera carnica] from the European point of view. (Ger) Ruttner, F *Bienenvater* 96 (11): 298-300. Nov 1975

029767 424.8 B472
Fear of honeybees. (Ger) Atzmuller, *Bienenvater* 96 (11): 311-312. Nov 1975

029768 424.8 B472
Honeybee and behive size. (Ger) Milota, F *Bienenvater* 96 (11): 305-307. Nov 1975

029769 424.8 B472
The apiculturist and his insurance (1966/1976) [Austria]. (Ger) Bruckner, F *Bienenvater* 95 (1): 27-28. Jan 1976

029770 424.8 B472
Willows (Salix) and their importance for bees (Apis mellifera). (Ger) Resch, K *Bienenvater* 96 (12): 343-347. (Concluded) Dec 1975

029771 424.8 B472
Willows (Salix) and their importance for bees [Apis mellifera]. (Ger) Resch, K *Bienenvater* 96 (11): 316-317. (Continued) Nov 1975

424.8 B4794
A few words on the melizitoze producer [Cinara pilicornis] on the spruce [Honeydew, apiculture]. (Ger) Egger, A *Bienenwelt* 17 (12): 246-253. Dec 1975

029772 424.8 B4794
Apiculture in Hungary. (Ger) *Bienenwelt* 17 (12): 237-240. Dec 1975

029773 424.8 B4794
What colony strength is natural? [Apis mellifera]. (Ger) Mullebner, H *Bienenwelt* 17 (12): 259-260. Dec 1975

029774 107.6 T5762
Concentration of some major and trace elements in honeybees [Apis mellifera] of different castes and growing stages. (Jpn) Matsuyama, J; Ueda, S; Tomoda, G *Bull Fac Agric Tamagawa Univ* 14: 97-104. Eng. Sum. 1974

029775 107.6 T5762
Studies on protein in royal jelly [of Apis mellifera]. I. Solvent fractionation of protein and amino acid composition of each fraction. (Jpn) Tomoda, G; Matsuyama, J; Shibanai, A; Yazaki, E *Bull Fac Agric Tamagawa Univ* 14: 86-96. Ref. Eng. Sum. 1974

029776 425.9 J273B
Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of silk substance and eggs. (Jpn) Ueda, S; Kimura, R; Suzuki, K *Bull Seric Exp Stn (Suginami Ku Tokyo)* 26 (3): 257-277. Eng. Sum. Mar 1975

425.9 J273B
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] harvesting by machine. (Jpn) Ishikawa, S; Suda, Y; Takabayashi, K; Mashimo, S; Kanauchi, A; Sato, K *Bull Seric Exp Stn (Suginami Ku Tokyo)* 26 (4): 309-332. Ref. Eng. Sum. Apr 1975

029777 421 C16
Trehalase activity in the silk glands of the silkworm, Bombyx mori (Lepidoptera: Bombycidae). Shimada, S *Can Entomol* 107 (12): 1311-1314. Ref. Dec 1975

029778 470 C16E
Properties of a free and solubilized form of bound-alpha,alpha-trehalase purified from honeybee [Apis mellifera] thorax. Talbot, B G; Muir, J G; Huber, R E *Can J Biochem* 53 (10): 1106-1117. Ref. Oct 1975

029779 QH581.A1Z4
The retina-lamina projection in the visual system of the bee, Apis mellifera. Sommer, E W; Wehner, R *Cell Tissue Res* 163 (1): 45-61. Ref. 1975

029780 Q33.C5
Intracellular crystals in Apis mellifera (Hymenoptera, Apoidea). Cruz-Landim, C da *Cienc Cult Soc Bras Para Progr Cienc* 27 (3): 278-283. Mar 1975

029781 Q33.C5
Sex determination in bees. V. The action of sexual genes in Apis mellifera (Hymenoptera, Apidae). Chaud Netto, J; Duarte, F A M *Cienc Cult Soc Bras Para Progr Cienc* 27 (2): 125-129. Ref. Feb 1975

029782 275.29 N811
Honeybees in North Carolina. Scott, H E; Hillmann, R C; Greene, J F; North Carolina State University Agricultural Extension Service *Circ N C State Univ Agric Ext Serv* 512, Rev. 31 P. Ref. Jan 1975

029783 QL461.E582
A metatarsal adhesive organ of drones of the genus Apis (Hymenoptera: Apidae). (Ger) Ruttner, F *Entomol Ger* 2 (1): 22-29. Eng. Sum. 1975

029784 424.8 G19
Bases to carry out the breeding program [Apis mellifera]. (Ger) Pritsch, G *Gart Kleintierzucht, C Imker* 14 (25): 11-12. Dec 1975

029785 424.8 G19
Growth of apiculture in the Frankfurt area. (Ger) Steuer, W *Gart Kleintierzucht, C Imker* 14 (25): 4-6. Dec 1975

029786 424.8 G19
Pheromones as chemical signals: the pheromone system of the honeybee [Apis mellifera]. (Ger) Sadek, H *Gart Kleintierzucht, C Imker* 14 (24): 10-11. (Concluded) Dec 1, 1975

029787 424.8 G19
Pheromones as chemical signals [Apis mellifera]. (Ger) Sadek, H *Gart Kleintierzucht, C Imker* 14 (23): 12-13. (Continued) Nov 15, 1975

029788 424.8 IM43
Results of 60 years of breeding work [Apis mellifera]. (Ger) Kehrle, A *Imkerfreund* 31 (1): 3-13. Jan 1976

029789 QR1.I53 1974
Growth requirements of entomogenous bacteria and the nature of some bacterial diseases of insects [Bombyx mori]. Afrikian, E G *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 666-672. 1974 (Pub. 1975)

029790 QP501.I48
Studies on aminotransferases in the developing ovary of the silkworm Bombyx mori L. Gowda, T V; Ramaiah, T R *Indian J Biochem* 12 (2): 100-102. Ref. June 1975

029791 QP501.I48
Studies on aminotransferases in the developing ovary of the silkworm Bombyx mori L. Veerabasappa Gowda, T; Ramaiah, T R *Indian J Biochem* 12 (2): 100-102. Ref. June 1975

029792 425.8 IN22
Growing silk wealth of Andhra pradesh [Sericulture]. Rao, T P *Indian Silk* 14 (1): 11-13. May 1975

029793 425.8 IN22
Sericultural potentiality of West Bengal. Gupta, B K *Indian Silk* 14 (3): 13-14, 29. July 1975

029794 424.8 IR42
Drifting [Apis mellifora]. Kerney, J M *Ir Beekeep (An Beachaire)* 29 (10): 224-226. Oct 1975

029795 424.8 IR42
Moving bees. Kerney, J M *Ir Beekeep (An Beachaire)* 29 (8): 174-175. Aug 1975

029796 442.9 AK124
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] larvae infected by nuclear polyhedrosis virus. (Rus) Bushliakova, N D; Gladysheva, L E; Mamedniiazov, O N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 2: 37-40. Eng. Sum. 1975

029797 442.9 AK124
Effect of short-term inbreeding on biological characteristics of the silkworm [Bombyx mori]. (Rus) Mammetkuliev, B M; Mamedov, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 26-29. Ref. 1975

029798 442.9 AK124
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. (Rus) Gladysheva, L E; Bushliakova, N D; Mamedniiazov, O N *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 30-36. Eng. Sum. 1975

029799 442.9 AK124
The effect of antibiotics on RNA biosynthesis in tissues of silkworm [Bombyx mori L.) chrysalis during metamorphosis. (Rus) Agalykov, N; Kullyev, P; Mamedniiazov, O N; Zbarskii, I B *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 24-29. Ref. Eng. Sum. 1975

029800 424.8 J82
A note on the formation of honeybee [Apis mellifera] spermatozoa. Kerr, W E; Silveira, Z V da *J Apic Res* 13 (2): 121-126. 1974

029801 424.8 J82
A simple restraining instrument to facilitate experimental manipulation of the honeybee [Apis mellifera] head. Pickard, R S *J Apic Res* 14 (2): 99-100. 1975

029802 424.8 J82
A standard stock of honeybees [Apis mellifera]. Roberts, W C *J Apic Res* 13 (2): 113-120. 1974

424.8 J82
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] foraging on caged apple trees. Davis, M E; Free, J B; Stevenson, J H *J Apic Res* 13 (3): 213-215. 1974

029803 424.8 J82
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 2. Effect of age and storage conditions of virgin queens on their attractiveness to workers. Szabo, T I *J Apic Res* 13 (2): 127-135. Ref. 1974

029804 424.8 J82
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 3. Relationship between queen attractiveness to workers and worker aggressiveness towards a queen. Szabo, T I *J Apic Res* 13 (3): 161-171. Ref. 1974

029805 424.8 J82
Cannibalism as an indication of pollen insufficiency in honeybees [Apis mellifera]: ingestion or recapping of manually exposed pupae. Newton, D C; Michl, D J *J Apic Res* 13 (4): 235-241. Ref. 1974

029806 424.8 J82
Comparative development of foraging and brood production in honeybee [Apis mellifera] colonies established on comb and on foundation. Jaycox, E R; Guynn, G *J Apic Res* 13 (4): 229-233. 1974

029807 424.8 J82
Control of dimorphism in the female honeybee [Apis mellifera]. 3. The balance of nutrients. Weaver, N *J Apic Res* 13 (2): 93-101. Ref. 1974

029808 424.8 J82
Control of dimorphism in the female honeybee [Apis mellifera]. 4. Techniques for fractionating royal jelly into its major components. Weaver, N *J Apic Res* 13 (2): 103-111. 1974

029809 424.8 J82
Correlation between amounts of 2-heptanone and iso-amyl acetate in honeybees [Apis mellifera] and their aggressive behaviour. Kerr, W E; Blum, M S; Pisani, J F; Stort, A C *J Apic Res* 13 (3): 173-176. 1974

029810 424.8 J82
Culturing larvae of blister beetles [Nemognatha] on diets containing different pollens collected by honeybees [Apis mellifera]. Leppla, N C; Standifer, L N; Erickson, E H Jr *J Apic Res* 13 (4): 243-247. Ref. 1974

029811 424.8 J82
Cytochemical studies of the secretion of accessory glands and seminal vesicles of the honeybee Apis cerana indica. Bawa, S R; Marwaha, R K *J Apic Res* 14 (1): 15-19. Ref. 1975

029812 424.8 J82
Defensive behaviour and production of alarm pheromone in honeybees [Apis mellifera]. Boch, R; Rothenbuhler, W C *J Apic Res* 13 (4): 217-221. 1974

029813 424.8 J82
Detection and identification of Bacillus larvae in a commercial sample of bee-collected pollen [American foul brood disease]. Gochnauer, T A; Corner, J *J Apic Res* 13 (4): 265-267. Ref. 1974

029814 424.8 J82
DNA content of spermatids and spermatozoa of haploid and diploid drone honeybees [Apis mellifera]. Woyke, J *J Apic Res* 14 (1): 3-8. Ref. 1975

029815 424.8 J82
Effect of confinement on the weight of honeybee queens [Apis mellifera carnica]. Szabo, T I *J Apic Res* 14 (1): 9-14. 1975

029816 424.8 J82
Foraging range of the Indian honeybee [Apis cerana indica]. Dhaliwal, H S; Sharma, P L *J Apic Res* 13 (2): 137-141. 1974

029817 424.8 J82
Genic balance, heterozygosity and inheritance of size of testes in diploid drone honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. Woyke, J *J Apic Res* 13 (2): 77-91. Ref. 1974

029818 424.8 J82
Haemocytes in larval and pupal ovarioles of the queen honeybee [Apis mellifera]. Fyg, W *J Apic Res* 14 (1): 21-27. 1975

029819 424.8 J82
Olfactory discrimination by honeybees [Apis mellifera] of terpenes identified from volatiles of alfalfa flowers. Waller, G D; Loper, G M; Berdel, R L *J Apic Res* 13 (3): 191-197. Ref. 1974

029820 424.8 J82
Osmotic shock as a prerequisite to pollen digestion in the alimentary tract of the worker honeybee [Apis mellifera]. Kroon, G H; Praagh, J P van; Velthuis, H H W *J Apic Res* 13 (3): 177-181. Ref. 1974

029821 424.8 J82
Overwintering of honeybee [Apis mellifera carnica] queens. 1. Maintenance of honeybee queens in solitary confinement. Szabo, T I *J Apic Res* 14 (2): 69-74. 1975

029822 424.8 J82
Persistence of tetracycline activity in medicated syrup stored in honeybee [Apis mellifera] colonies in late spring. Gochnauer, T A; Bland, S E *J Apic Res* 13 (2): 153-159. 1974

029823 424.8 J82
Pollination requirements for watermelon seed production [Bees, Apis mellifera]. Brewer, J W *J Apic Res* 13 (3): 207-212. 1974

029824 424.8 J82
Repellent additives to reduce pesticide hazards to honeybees [Apis mellifera]: laboratory testing. Atkins, E L; Macdonald, R L; McGovern, T P; Beroza, M; Greywood-Hale, E A *J Apic Res* 14 (2): 85-97. Ref. 1975

029825 424.8 J82
Results of restricting the brood space of honeybee [Apis mellifera] colonies. Simpson, J; Greenwood, S P *J Apic Res* 14 (1): 51-55. 1975

029826 424.8 J82
Seasonal development of honeybee [Apis mellifera] colonies started from package bees. Jay, S C *J Apic Res* 13 (2): 149-152. 1974

029827 424.8 J82
Some effects of pollen traps on colonies of honeybees [Apismellifera]. McLellan, A R *J Apic Res* 13 (2): 143-148. Ref. 1974

029828 424.8 J82
Spermatogenesis in diploid drones of the honeybee [Apis mellifera]. Woyke, J; Skowronek, W *J Apic Res* 13 (3): 183-190. Ref. 1974

029829 424.8 J82
Studies on the honey-sac contents and pollen loads of honeybees [Apis mellifera]. 2. Honey-sac contents of foraging bees. Soehngen, U; Jay, S C *J Apic Res* 13 (3): 199-206. Ref. 1974

029830 424.8 J82
The attractiveness to bees [Apis mellifera] of synthetic wasp [Vespula] attractants. Davis, H G; Johansen, C A; Eves, J D *J Apic Res* 14 (2): 101-104. Ref. 1975

029831 424.8 J82
The copulation reflex of the drone honeybee [Apis mellifera]. Wilde, J de; Riddering-Drijver, A A *J Apic Res* 13 (4): 223-227. Ref. 1974

029832 424.8 J82
The effect of gene dosage on variability in the honeybee [Apis mellifera]. 2. Wing hook number. Lee, G L *J Apic Res* 13 (4): 257-263. Ref. 1974

029833 424.8 J82
The use of uniform honeybee [Apis mellifera] colonies to evaluate supplementary test rations for the stimulation of brood rearing. Standifer, L N; Owens, C D; Gebert, J R; Mills, J P *J Apic Res* 13 (4): 249-255. Ref. 1974

029834 424.8 J82
Variations in the single hair of the honeybee corbicula [Apis mellifera]. Legge, A P; Bole, B *J Apic Res* 14 (2): 75-78. 1975

029835 421 J825
Alteration of egg diapause in Bombyx mori by ouabain injected into diapause egg producers. Takeda, S; Hasagawa, K *J Insect Physiol* 21 (12): 1995-2003. Ref. Dec 1975

029836 421 J825
Characterization of DNA from three bee species [Apis mellifera, Apis cerana, Megachile rotundata]. Jordan, R A; Brosemer, R W *J Insect Physiol* 20 (12): 2513-2520. Ref. Dec 1974

029837 421 J825
Detoxication mechanism of Bombyx mori against exogenous phytoecdysone ecdysterone. Hikino, H; Ohizumi, Y; Takemoto, T *J Insect Physiol* 21 (12): 1953-1963. Ref. Dec 1975

029838 421 J825
Further characterization of the silkworm [Bombyx mori] diapause hormone A. Isobe, M; Hasegawa, K; Goto, T *J Insect Physiol* 21 (12): 1917-1920. Dec 1975

029839 421 J825
Relationship between hormone titres and RNA and protein syntheses when the change to the pupal programme occurs in the silkworm, Bombyx mori. Kimura, S *J Insect Physiol* 20 (5): 887-895. Ref. May 1974

029840 421 J825
Uptake of the sex pheromone 3H [hydrogen isotope] bombykol and related compounds by male and female Bombyx [mori] antennae. Kasang, G *J Insect Physiol* 20 (12): 2407-2422. Ref. Dec 1974

029841 421 J826
Stability of oxytetracycline in diets fed to honeybee [Apismellifera] colonies for disease control [American foulbrood, European foulbrood]. Gilliam, M; Argauer, R J *J Invertebr Pathol* 26 (3): 383-386. Nov 1975

029842 421 J826
The effects of Penicillium waksmani growth on American foulbrood infected combs and adult honeybee activity [Apis mellifera, Bacillus larvae]. Tutt, S F; Wilson, W T *J Invertebr Pathol* 26 (3): 283-287. Nov 1975

029843 421 J826
The fate and effect of hairs removed from honeybees [Apis mellifera] with hairless-black syndrome. Rinderer, T E; Rothenbuhler, W C *J Invertebr Pathol* 26 (3): 305-308. Nov 1975

029844 75.8 K147
Bees in greenhouses [as pollinators]. (Rus) Kharchenko, P; Bondarchuk, L *Kartofel Ovoschi* 5: 32. May 1975

029845 424.8 L97
Forest apiculture. (Ger) Brust, E *Letzeburger Beien Ztg* 90 (12): 184-189. (Continued) Dec 1975

029846 S542.A1N45
An evaluation of various characteristics in three lines of New Zealand honey bees. Forster, I W *N Z J Exp Agric* 3 (3): 293-296. Sept 1975

029847 SF521.N4
Artificial insemination: a longer way to the production of purebred queens as a basis for mass multiplication [Apis mellifera]. (Ger) Petersen, N *Neue Bienenzucht* 2 (12): 358-364. Dec 1975

029848 SF521.N4
Breeding and evaluation of the results of a test apiary and the prospects for success [Apis mellifera]. (Ger) Hahne, K *Neue Bienenzucht* 3 (1): 13-19. Jan 1976

029849 SF521.N4
Information trips to the institutes in Freiburg, Hohenheim, Oberursel and Kirchhain [Apiculture, research programs]. (Ger) Sievers, K L *Neue Bienenzucht* 2 (12): 366-368. Dec 1975

029850 SF521.N4
Migratory apiculture and its laws and regulations. (Ger) Schroder, K H *Neue Bienenzucht* 2 (12): 374-375. Dec 1975

029851 SF521.N4
Observations of queen bees [Apis mellifera, mating]. (Ger) Englert, E *Neue Bienenzucht* 3 (1): 7-9. (Continued) Jan 1976

029852 QD341.A2N8
The terminal sequence of Bombyx mori 18S ribosomal DNA. Sprague, K U; Kramer, R A; Jackson, M B *Nucleic Acids Res* 2 (11): 2111-2118. Ref. Nov 1975

029853 420 UT1
The honeybee and its environment. Knighton, J *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 32. Mar 1975

029854 S293.C6N31
An indigenous beekeeping practice in Thailand. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 358-364. 1974

029855 SF713.K8A3
Autumn: silkworm [Bombyx mori] variety "Jam 113 X Jam 114". (Kor) Lee, S P; Hong, K W; Kim, K M; Mah, Y I; Kim, J P; Choi, S R *Res Rep Off Rural Dev* 17: S1-S8. Eng. Sum. Aug 1975

029856 9.4 R328
Notes on apiculture. III. Nuclei. (Spa) Moncaleano L, J *Rev ESSO Agric* 21 (1): 17-20. Jan/Mar 1975

029857 424.8 R329
Northern wood in the construction of beehives. (Fre) Junot, M *Rev Fr Apic* 336: 368-369. Oct 1975

029858 424.8 R34
Art and bees [Apis mellifera, history, Europe]. (Ger) Ronte, D *Rheinische Bienenztg* 126 (12): 369-372. Dec 1975

029859 424.8 R34
Bees [Apis mellifera] in winter. (Ger) Thiele, H *Rheinische Bienenztg* 126 (12): 362-366. Dec 1975

029860 424.8 R34
Contributions from the Kirchhain Station for Apiculture: the problem of inbreeding effects in the bee [Apis mellifera]. (Ger) Maul, V *Rheinische Bienenztg* 126 (12): 257-360. (Concluded) Dec 1975

029861 24 R34
A guide for beginner beekeepers. VI. More management tips. Papadopoulo, P *Rhod Agric J* 72 (5): 131-135. Sept/Oct 1975

029862 SF521.S3
A new orientation in selection [Apis mellifera, breeding]. (Fre) Regard, A *Sante Abeille* 36: 111-115. Oct/Dec 1975

029863 SF521.S3
Observations on the behavior of certain ecotypes and hybrids of the bee (Apis mellifera carpatica) from the Carpathians. (Fre) Harnaj, V; Marza, E *Sante Abeille* 36: 116-118. Oct/Dec 1975

029864 513 T64
Incorporation of labelled amino acid into ova during ovarian development in the silkworm, Bombyx mori L. (Jpn) Kobara, R; Kawai, T *Trans Tottori Soc Agric Sci* 27: 154-159. Ref. Eng. Sum. Mar 1975

421 Z36
Effect of night temperature on the toxicity of field-weathered mevinphos residues to honeybees. Benedek, P *Z Angew Entomol* 79 (3): 328-331. Nov 1975

029865 442.8 Z6
Effect of synthetic juvenile hormone analogues on the silkworm Bombyx mori L. (Rus) Samokhvalova, G V; TSizin, IU S; Ionov, V M *Zh Obshch Biol* 36 (5): 762-770. Ref. Eng. Sum. 1975

AGRICULTURAL ENGINEERING

029866 S544.3.W6W53
Mechanically ventilated livestock buildings. Brugger, M F; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2750, 8 P. Oct 1975

029867 S544.3.W6W53
Naturally ventilated livestock buildings. Graves, R E; Brugger, M F; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2749, 8 P. Oct 1975

029868 80 AC82
A set of refrigerated greenhouses for crop environment research-air flow problems. Morris, L G; Levav, N *Acta Hortic* 46: 221-226. Apr 1975

029869 80 AC82
Airflow and temperature distribution in greenhouses with fan ventilation. Wolfe, J S; Cotton, R F *Acta Hortic* 46: 71-89. Ref. Apr 1975

029870 80 AC82
An inflated plastics roof for a multispan greenhouse. Bowman, G E *Acta Hortic* 46: 173-180. Ref. Apr 1975

029871 80 AC82
Comparative measurements of fan and pad cooling and plant wetting [Greenhouses]. Spoelstra, P A *Acta Hortic* 46: 23-31. Apr 1975

029872 80 AC82
Controlled environments for scientific research and horticultural practice. Bildering, N de *Acta Hortic* 46: 97-108. Apr 1975

029873 80 AC82
Controlled-environment agriculture [systems] in desert regions [Plastic covered greenhouses]. Fontes, M R *Acta Hortic* 51: 49-50. Aug 1975

029874 80 AC82
Determination of glasshouse heat requirements from temperature and wind records. O'Flaherty, T; Cochran, R *Acta Hortic* 46: 33-39. Apr 1975

029875 80 AC82
Developments in [greenhouse] climate control. Strijbosch, T; Vooren, J v d *Acta Hortic* 46: 21-22. Apr 1975

029876 80 AC82
Effect of ventilation on maximum air temperatures in twelve identical glasshouses. White, R A J *Acta Hortic* 46: 63-70. Apr 1975

029877 80 AC82
Full-scale glasshouse wind load measurements. Wells, D A; Hoxey, R P *Acta Hortic* 46: 197-207. Ref. Apr 1975

029878 80 AC82
Heat radiation from a glasshouse crop canopy at night. Amsen, M G *Acta Hortic* 46: 139-145. Apr 1975

029879 80 AC82
Light-dependent temperature programmes for early-sown tomatoes [in greenhouses]. Calvert, A; Slack, G; Randall, R F *Acta Hortic* 46: 157-171. Apr 1975

029880 80 AC82
Natural convection heat transfer in covered plant canopies [Electrical system]. Iqbal, M; Stoffers, J A *Acta Hortic* 51: 37-48. Ref. Aug 1975

029881 80 AC82
Problems of desert greenhouses. Daunicht, H J *Acta Hortic* 51: 51-60. Aug 1975

029882 80 AC82
Radiation absorption of canopy rows [in a greenhouse climate]. Stoffers, J A *Acta Hortic* 46: 91-95. Apr 1975

029883 80 AC82
Reducing the heat requirements of a glasshouse. Bailey, B J; Winspear, K W *Acta Hortic* 51: 19-28. Aug 1975

029884 80 AC82
Some aspects of energy balance in greenhouses [Heating]. Morris, L G; Levav, N *Acta Hortic* 46: 131-138. Apr 1975

029885 80 AC82
Standardization of designs and equipment [Greenhouses]. Cokele, K C *Acta Hortic* 46: 217-220. Apr 1975

029886 80 AC82
Study of glasshouse type and orientation. Harnett, R F *Acta Hortic* 46: 209-215. Apr 1975

029887 80 AC82
Symposium on Greenhouse Design and Environment, Silsoe, 18-21 September 1973. Symposium on Greenhouse Design and Development, Silsoe, 19; 73 *Acta Hortic* 46, 227 P. Apr 1975

029888 80 AC82
The design of ducted-air heating systems [Greenhouses]. Bailey, B J *Acta Hortic* 46: 41-54. Ref. Apr 1975

029889 80 AC82
The energy balance of an air-inflated polyethylene greenhouse. Slack, E M; Clark, J A *Acta Hortic* 46: 109-129. Ref. Apr 1975

029890 80 AC82
The influence of convective sensible heat transfer on the greenhouse and the curtain effect. Amsen, M G *Acta Hortic* 51: 29-35. Aug 1975

029891 80 AC82
Wind loads and greenhouse design. Spek, J C *Acta Hortic* 46: 183-196. Map. Apr 1975

029892 S671.A2
Design of a cow barn for 510 dairy cows. (Slo) Hubinsky, J *Acta Technol Agric* 14: 197-212. Eng. Sum. 1975

029893 S671.A2
Effect of network voltage change on regulation of fan revolutions by means of changed voltage [in stables]. (Slo) Motaj, M; Izakovic, A; Fancovic, J *Acta Technol Agric* 13: 191-206. Eng. Sum. 1975

029894 S671.A2
Fattening swine houses with grill floors. (Slo) Knapo, A *Acta Technol Agric* 13: 179-189. Eng. Sum. 1975

029895 S671.A2
Modernization of two-row cow barns. (Slo) Knapo, A *Acta Technol Agric* 14: 71-85. Eng. Sum. 1975

029896 S671.A2
Solution of anticorrosive protection of inner walls of fecal tanks. (Slo) Tolnai, R; Ivan, F *Acta Technol Agric* 13: 227-240. Eng. Sum. 1975

029897 HD1940.C95A1
Automatic acquisition of primary information about the consumption of fuels. (Cze) Kozisek, Z; Truksa, J *Acta Univ Agric, Fac Agroecon* 10 (4): 333-338. Eng. Sum. 1974

029898 HD1940.C95A1
Possible designs of modern farms for cattle breeding [Buildings]. (Cze) Boruvka, O *Acta Univ Agric, Fac Agroecon* 10 (4): 379-383. Eng. Sum. 1974

029899 10 G79LA
Lighting for [chicken] egg production. *Advis Leafl G B Minist Agric Fish Food* 540, Rev., 7 P. 1975

029900 S671.K4
Suffocation hazards in grain bins. Loewer, O J Jr; Loewer, D H; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agricultural Engineering *AEN Dep Agric Eng Univ Ky Coop Ext Serv* 39, 10 P. Aug 1975

58.8 D482
Data for assessment of achievements of district farms for agricultural engineering [Management, East Germany]. (Ger) Zierold, R *Agrartechnik* 25 (7): 360-361. 1975

029901 22.5 N682
Development of subterranean heating and warm water utilization for horticulture. (Jpn) Suda, Y; Shibata, T; Sato, S; Shinagawa, T *Agric Hortic* 50 (6): 773-777. June 1975

029902 256.13 AG82M
Conversion of purpose built unit for dairy cows [Buildings]. McWhirter, W J; Maguire, J H *Agric North Irel* 50 (5): 136-137. Sept 1975

029903 256.13 AG82M
The danger of overloading [cattle] slats. Keys, W *Agric North Irel* 50 (6): 162-165. Oct 1975

029904 256.13 AG82M
Timber fence posts. Keys, W *Agric North Irel* 50 (5): 144-146. Sept 1975

029905 100 AR42F
Relationship between LP [liquified petroleum] gas usage and amount of roof insulation in Arkansas broiler houses. Riley, W B Jr; Redfern, M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 4. Nov/Dec 1975

029906 57.9 AR1
New systems in stanchion stables with liquid manure removal. (Ger) Koller, G *Ber Arbeitstag Fragen Gulle* P. 323-328. 1974

029907 57.9 AR1
Open stall systems and liquid manure removal [Designs]. (Ger) Seufert, H *Ber Arbeitstag Fragen Gulle* P. 341-352. 1974

029908 57.9 AR1
Results and knowledge obtained from measuring floor coverings for cattle. (Ger) Boxberger, J; Lasson, E *Ber Arbeitstag Fragen Gulle* P. 329-339. 1974

029909 57.9 AR1
Stable and liquid manure techniques [Construction]. (Ger) Hochkonig, W *Ber Arbeitstag Fragen Gulle* P. 299-322. 1974

029910 57.9 AR1
Stable construction and liquid manure management. (Ger) Koll, F *Ber Arbeitstag Fragen Gulle* P. 291-297. 1974

029911 58.9 F843B
From life and "entropy" to agricultural engineering! (Fre) Carillon, R *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 1-6. Oct 1975

029912 S5.B8
Determination of a method for measuring air renewal in buildings. (Fre) Therasse, R; Sine, L *Bull Rech Agron Gembloux* 9 (2): 165-187. Eng. Sum. 1974

029913 14 C112
Test on energy in agriculture or in the agro-food system in France. (Fre) Carillon, R *Cah Ing Agron* 300: 14-18. Nov 1975

029914 281.8 C16
Alternative strategies for locating transmission lines [Rural electrification]. Gray, E C *Can J Agric Econ* P. 153-166. Mar 1975

029915 385 C68
Pressure of granular material on wall of model silo. Smid, J *Collect Czech Chem Commun* 40 (8): 2424-2436. Ref. Aug 1975

029916 475 SCI23
Stimulation of gas production from cowdung by algal [Oscillatoria chalybea] supplementation. Venkataraman, G S; Kaushik, B D *Curr Sci* 44 (22): 807-808. Nov 20, 1975

029917 58.8 T677
A thousand swine per inhabitant [Barns]. (Ger) Koller, G; Boxberger, J *DLZ (Die Landtech Z)* 26 (9): 600-605. Sept 1975

029918 58.8 T677
Area housing for young and fattening cattle. (Ger) Koller, G; Suss, M; Mittrach, B; Hammer, K *DLZ (Die Landtech Z)* 26 (9): 615-618. Sept 1975

029919 58.8 T677
Brick works on the farmhouse. (Ger) Klas, F *DLZ (Die Landtech Z)* 26 (4): 281. (Concluded) Apr 1975

029920 58.8 T677
Four diffeent planning examples of barns for fattening swine. (Ger) Menschick, H; Stumpf, A; Scherer, K *DLZ (Die Landtech Z)* 26 (6): 401-405. June 1975

029921 58.8 T677
Group rearing of pregnant sows [Barns]. (Ger) Koller, G; Mittrach, B *DLZ (Die Landtech Z)* 26 (10): 677-680. Oct 1975

029922 58.8 T677
Hens and swine in Hanover [Barns and equipment]. (Ger) *DLZ (Die Landtech Z)* 26 (6): 392-398. June 1975

029923 58.8 T677
Machine sheds. (Ger) Krinner, L; Rittel, L; Knauer, N *DLZ (Die Landtech Z)* 26 (11): 735-739. Nov 1975

029924 58.8 T677
Performance doors for storage rooms. (Ger) Ober, J *DLZ (Die Landtech Z)* 26 (5): 351. May 1975

029925 58.8 T677
Piglet barns for early weaning with help of batteries. (Ger) Koller, G; Suss, M; Mittrach, B; Hammer, K *DLZ (Die Landtech Z)* 26 (5): 325-328. May 1975

029926 58.8 T677
Piglets reared from gas infrared rays. (Ger) Pflug, R *DLZ (Die Landtech Z)* 26 (9): 611-612. Sept 1975

029927 58.8 T677
Slatted floor bays for young and fattening cattle. (Ger) Hammer, K; Mittrach, B *DLZ (Die Landtech Z)* 26 (3): 169-172. Mar 1975

029928 58.8 T677
Small devices make self drinking perfect [Cattle drinking troughs]. (Ger) Suss, M *DLZ (Die Landtech Z)* 26 (5): 333-335. May 1975

029929 58.8 T677
The trend is to the silo in cereal storage. (Ger) Strehler, A *DLZ (Die Landtech Z)* 26 (6): 383-835. June 1975

029930 58.8 T677
Wall works on the farmhouse. (Ger) Klas, F *DLZ (Die Landtech Z)* 26 (3): 190-191. (Continued) Mar 1975

029931 44.8 M736
Natural gas, an energy source for dairies that is favorable to the environment. (Ger) Walti, H R *Dtsch Milchwirtsch* 26 (36): 1270-1271. Sept 3, 1975

029932 298.8 SU2
Dust removal devices in silos. (Ger) *Dtsch Muller Ztg* 73 (20): 370-371. Oct 23, 1975

029933 298.8 SU2
Economic construction of silos. (Ger) *Dtsch Muller Ztg* 73 (20): 367-370. Oct 23, 1975

029934 298.8 SU2
Modern building construction in signs of progress [Silos]. (Ger) Ganger, H *Dtsch Muller Ztg* 73 (20): 372-374. Oct 23, 1975

029935 298.8 SU2
Running, connecting pipes and conversion organs in silos. (Ger) *Dtsch Muller Ztg* 73 (20): 370. Oct 23, 1975

029936 1.9 F76AM
How the rural community fire protection program can help you. U.S. Forest Service *FS (Am Wood) U S For Serv* 312, 9 P. Sept 1975

029937 17 SCH9
The use of rigid wood frames, a method of self help construction in agriculture [Barns]. (Ger) Loepfe, R *Grune* 103 (41): 8-13. Oct 10, 1975

029938 TD201.I55
An economic perspective of village electrification programme in Pakistan. Khan, M I *Indus* 17 (3): 16-20. Apr 1975

029939 75.8 K147
Joint mushroom and cucumber culture in plastic shelters. (Rus) Belokrys, B *Kartofel Ovoschi* 5: 45-47. May 1975

029940 75.8 K147
Plastic shelters [Vegetables, culture]. (Rus) Bobrovskii, S *Kartofel Ovoschi* 5: 42-44. May 1975

029941 72.8 K522
Backwater shutters with a soft covering [Irrigation channels]. (Rus) Tkachenko, B N *Khlopkovodsto* 5: 35-36. May 1975

029942 QL55.A1L3
Design, construction, and working of an animal house in Scotland. Henney, T *Lab Anim* 9 (4): 367-379. Oct 1975

029943 18 L2353
Graphical determination of water vapor condensation on outside building components. (Ger) Borchert, K L *Landbauforsch Volkenrode* 24 (2): 159-165. Map. Ref. Dec 1974

029944 18 L2353
Six years of measurements of wall wetting by driving rains in Braunschweig-Volkenrode [Agricultural structures]. (Ger) Sculletus, H R *Landbauforsch Volkenrode* 24 (2): 149-158. Ref. Dec 1974

029945 58.8 L235
Heating units in milking sheds, a reasonable thing or an extravagance? (Ger) Benninger, D *Landtechnik* 30 (10): 424-427. Oct 15, 1975

029946 58.8 L235
Introduction of oil hydraulics: building elements. (Ger) Boinghoff, O; Hoffmann, D *Landtechnik* 30 (10): 445-452. Oct 15, 1975

029947 58.8 L235
Selection of heating installations for piglet barns. (Ger) Pflug, R *Landtechnik* 30 (10): 428-431. Oct 15, 1975

029948 11 UP62
Supplementary heat for piglets [Housing, heating equipment]. (Swe) Larson, S; Strangby, G *Lantbrukshogsk Medd, Ser A* 243, 35 P. Ref. Eng. Sum. 1975

029949 59.8 L39
Velocity reducer and amplifier [Energy source for farm equipment]. (Por) *Lav Arroz* 28 (284): 48-50. Mar/Apr 1975

029950 49 B462
Building designs and equipment for [cattle] barns. (Fre) *L'elevage* 45: 62-64. Nov 1975

029951 49 B462
Electric heating of swine houses. (Fre) Viratel, M *L'elevage* 44: 53-57, 59. Oct 1975

029952 49 B462
Present solutions for housing dairy cattle. (Fre) Tillie, M *L'elevage* 45: 51-52, 55, 57, 59, 61. Nov 1975

029953 275.29 M66PS
Free-stall housing for dairy cattle. Bates, D W; Minnesota University Agricultural Extension Service *M Agric Ext Serv Univ Minn* 138, Rev., 16 P. 1975

029954 58.8 M465
Cattle barns and their mechanization [Designs]. (Pol) Chrostowski, M *Mech Roln* 23 (8): 3-12. Apr 16/30, 1974

029955 58.9 B85M
Heat-technical examination of green fodder silos. (Hun) Csermely, J *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (8), 43 P. Ref. Eng. Sum. 1975

029956 SF221.M5
Binding stalls with short stands today. (Ger) Ober, J *Milch Prax Rindermast* 13 (4/5): 41-44. Nov 1975

029957 1 AG84M
Cattle chute—adjustable type. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1318, 2 P. Oct 1975

029958 1 AG84M
Community building. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1307, 2 P. May 1975

029959 1 AG84M
Hog feeder [Construction]. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1302, 2 P. Aug 1975

029960 1 AG84M
Horse barn capacity 88 horses. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1310, 2 P. June 1975

029961 1 AG84M
House for dry sows. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1317, 2 P. Oct 1975

029962 1 AG84M
Maternity barn for dairy cows. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1311, 2 P. Aug 1975

029963 1 AG84M
One-bedroom duplex. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1301, 2 P. June 1975

029964 1 AG84M
Portable footbath for sheep. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1306, 2 P. May 1975

029965 1 AG84M
Storage building for fruits. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1309, 2 P. Aug 1975

029966 1 AG84M
Wagon rack for silage-feeding. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1305, 2 P. May 1975

029967 1 AG84M
3-bedroom house with basement. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1299, 2 P. June 1975

029968 421 M85
Comparison of two aerosol generator nozzle systems: estimates of droplet size and caged mosquito assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. Mount, G A; Pierce, N W; Baldwin, K F *Mosq News* 35 (4): 501-504. Dec 1975

029969 157.8 R29
Potential for conversion and utilization of solar energy in poultry production [Housing]. Brewer, R N; Dunn, J R *PB Natl Tech Inf Serv Commer* 244375, 29 P. Map. Jan 28, 1975

029970 49.9 N483
Feedlot facilities [Cattle, housing]. Kerr, R A *Proc N Z Soc Anim Prod* 34: 177-188. 1974

S293.C6N31
Timber resources and the Banchaonen Dam Development Project. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 17-30. Eng. Sum. 1974

029971 S760.I78T4
Steady-state field of insulated slab with internal heat sources [Heating, insulating, concrete slab floors]. Shmueli, H *Publ Technion Israel Inst Technol Agric Eng Fac* 237, 12 P. Feb 1975

029972 13 R322
Present situation and prospects of energy economy in agriculture. (Fre) Bublot, G *Rev Agric (Brux)* 28 (4): 761-776. July/Aug 1975

029973 SF1.R54
Functionality of plastic nets [Fruit harvesting, hail protection]. (Ita) Olivelli, V *Rilancio Agric Vet Zootec* 6 (7): 7-8. 1974

029974 S671.R5
Kinematic criteria for the designing of top-unloader silo. (Ita) Bodria, L; Gasparetto, E *Riv Ing Agrar* 6 (3): 111-118. Ref. Eng. Sum. Sept 1975

029975 TJ810.A1S6
The development and testing of an environmentally designed greenhouse for colder regions. Lawand, T A; Alward, R; Saulnier, B; Brunet, E *Sol Energy* 17 (5): 307-312. Nov 1975

029976 100 F66SU
Reducing [agriculture's] fuel costs with solar energy. Woods, C; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 3-5. Fall 1975

029977 100 F66SU
Solar energy reduces costs of drying and curing crops. Woods, C; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 12-13. Fall 1975

029978 290.9 AM32T
Analysis and design of load rings [Engineering]. Hoag, D L; Yoerger, R R *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 995-1000. Sept/Oct 1975

029979 290.9 AM32T
Force versus width of cut for moldboard [plow] bottoms. Reaves, C A; Schafer, R L *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 852-854, 858. Sept/Oct 1975

029980 290.9 AM32T
Lubrication of soil-metal interfaces [Equipment]. Schafer, R L; Gill, W R; Reaves, C A *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 848-851. Sept/Oct 1975

029981 290.9 AM32T
Thrust-dynamic weight relationship of rigid wheels [on different soil types with different compaction treatments]. Burt, E C; Bailey, A C *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 811-813, 817. Sept/Oct 1975

029982 64.8 Z12
System of management and control of work with explosives in Czechoslovakia [Safety engineering]. (Cze) Komberec, S *Uroda* 23 (7): 268-269. July 1975

029983 20 V82
Recirculation of centrifugate in mechanical dehydration of poultry excrements [Waste removal]. (Ukr) Shvedov, V V; Diachenko, L IA; Ostapchuk, M V; Kurov, IU A; IAnchev, A V *Visn Sil's'kohospod Nauki* 6: 95-96. June 1975

20 V82
Sanitary-hygienic basis for distances between livestock quarters [Designs]. (Ukr) Markov, IU M; Svyrydenko, V A; Vovk, A S; Levanidova, Z M; Bil'chenko, V I; Kostenko, L O; Kolotova, V I *Visn Sil's'kohospod Nauki* 9: 100-105. Sept 1975

029984 49 Z6
Stall installations for keeping swine in an unbroken production sequence. (Rus) Voloshchik, P D; Bulochnikov, L I; Malyshev, A M *Zhivotnovodstvo* 6: 80-86. June 1975

029985 65.8 Z82
On the conditioning of white sugar silos. (Ger) Maurandi, V; Mantovani, G *Zucker* 28 (11): 593-600. Ref. Eng. Sum. Nov 1975

FARM EQUIPMENT

029986 80 AC82
A computer for crop research and climate control in glasshouses. Vooren, J van de *Acta Hortic* 51: 169-174. Aug 1975

029987 80 AC82
An inenxpensive greenhouse vent controller. Roberts, W J *Acta Hortic* 46: 55-62. Apr 1975

029988 80 AC82
Root temperature and glasshouse tomato production [Equipment]. Cooper, A J *Acta Hortic* 46: 227. Apr 1975

029989 S671.A2
Analysis of basic strength rations of the threshing process [Equipment]. (Slo) Sestak, J *Acta Technol Agric* 14: 171-186. Eng. Sum. 1975

029990 S671.A2
Analysis of input power on screw conveyer drive. (Slo) Peto, S; Lobotka, J *Acta Technol Agric* 13: 111-130. Eng. Sum. 1975

029991 S671.A2
Characteristic of the rotary air pump SVL-40. (Slo) Krcula, J; Lobotka, J; Fancovic, J *Acta Technol Agric* 13: 131-147. Eng. Sum. 1975

029992 S671.A2
Determination of the sum of main stresses on the surface of photoelastimetric layer by measurement of transversal deformation [Equipment]. (Slo) Slavkovsky, J *Acta Technol Agric* 14: 127-137. Eng. Sum. 1975

029993 S671.A2
Effect of change of threshing mechanism setting on performance requirements. (Slo) Sestak, J *Acta Technol Agric* 14: 109-125. Eng. Sum. 1975

029994 S671.A2
Effect of underpressure on performance and transportation efficiency of a rotary air pump [Equipment]. (Slo) Lobotka, J; Krcula, J; Ostrozlik, M; Fancovic, J *Acta Technol Agric* 14: 45-56. Eng. Sum. 1975

029995 S671.A2
Effect of underpressure oscillation on work stability of a pneumatic pulsator [Equipment]. (Slo) Lobotka, J; Krcula, J *Acta Technol Agric* 14: 95-108. Eng. Sum. 1975

029996 S671.A2
Energetic analysis of the aggregate from a wheel tractor and classical mower. (Slo) Drabant, S; Petransky, I; Soka, I; Zikla, A *Acta Technol Agric* 13: 149-177. Eng. Sum. 1975

029997 S671.A2
Experimental results of abrasive wear resistance [Equipment]. (Slo) Marko, M; Balla, J; Seckar, P *Acta Technol Agric* 14: 57-69. Eng. Sum. 1975

029998 S671.A2
Possibilities of regulation of force action of carried and hung implements on the tractor. (Slo) Semetko, J *Acta Technol Agric* 13: 33-49. Eng. Sum. 1975

029999 S671.A2
Problems of wear of the working group piston-cylinder in the engines Z-5501 and Z-V4001. (Slo) Salanci, J *Acta Technol Agric* 14: 187-196. Eng. Sum. 1975

030000 S671.A2
Pulling properties of the tractor Z-8011 with the Barum and Goodyear tires. (Slo) Semetko, J; Drabant, S; Petransky, I; Zikla, A *Acta Technol Agric* 13: 51-74. Eng. Sum. 1975

S671.A2
Separation of thrashed cereal mass on a vibrating screen. (Slo) Ponican, J *Acta Technol Agric* 13: 75-94. Ref. Eng. Sum. 1975

030001 S671.A2
Temperature regime in a polyethylene speeder [Plants]. (Slo) Ducho, P; Slovik, M *Acta Technol Agric* 14: 5-15. Eng. Sum. 1975

030002 S671.A2
Tensiometric measurement of stress on the plough column under static and dynamic conditions. (Slo) Slavkovsky, J *Acta Technol Agric* 13: 5-20. Eng. Sum. 1975

030003 S671.A2
Wear character of piston rings of tractor engines of unified range. (Slo) Marko, M; Batora, B *Acta Technol Agric* 14: 157-170. Eng. Sum. 1975

030004 HD1940.C95A1
Possibilities of a further increase of the service life of knives of the rotary grass cutter RZS-160. (Cze) Kastanek, O *Acta Univ Agric, Fac Agroecon* 10 (4): 317-332. Ref. Eng. Sum. 1974

030005 58.8 D482
A new conveyor for direct storage of potatoes in bulk [EastGermany]. (Ger) Schmid, H *Agrartechnik* 25 (7): 320-322. 1975

030006 58.8 D482
Design and operation of the E691 automatic [potato] separator [East Germany]. (Ger) Jakob, P; Spaethe, G *Agrartechnik* 25 (7): 322-326. 1975

030007 58.8 D482
Increased effectiveness of hot air driers by improved automation equipment [East Germany]. (Ger) Maltry, W *Agrartechnik* 25 (7): 340-342. 1975

030008 58.8 D482
Maintenance of farm equipment. (Ger) Flatau, N *Agrartechnik* 25 (7): 347-348. 1975

030009 58.8 D482
Potato harvesting and storage: results and information on the operation of the E684 digger and loader and the E691 stationary automatic separator [East Germany]. (Ger) Graichen, G; Protz, H; Leberecht, P *Agrartechnik* 25 (7): 318-320. 1975

030010 58.8 D482
Quality of work of the E280 fodder chopper in the whole-plant harvesting of cereals [East Germany]. (Ger) Dworek, R *Agrartechnik* 25 (7): 334-336. 1975

030011 58.8 D482
Reducing grain loss on the cutter of the E512 combine harvester. (Ger) Lehmann, H G *Agrartechnik* 25 (7): 352-355. 1975

030012 58.8 AG83
Cattle handling facilities; the design challenge [Equipment]. Grandin, T *Agric Eng (St Joseph, Mich)* 56 (10): 69-71. Oct 1975

030013 11 UP62A
Water for sheep [Equipment]. (Swe) Melin, L *Aktuel Lantbrukshogsk (Upps)* 221, 36 P. 1975

030014 Z5074.E3C6
The mechanization of vegetable harvesting. *Annot Bibl Commonw Bur Agric Econ* 31, 5 P. 1974

030015 57.9 AR1
Contribution to a suitable, labor-saving method of confining cows in stanchions [Equipment]. (Ger) Hoffmann, H; Rist, M *Ber Arbeitstag Fragen Gulle* P. 413-420. 1974

030016 57.9 AR1
Use of ventilation to remove odors from liquid manure [Equipment, air pollution control]. (Ger) Ruprich, W *Ber Arbeitstag Fragen Gulle* P. 353-368. 1974

030017 S560.B54
Big drops, little drips and granules [Spraying equipment]. MacPherson, G *Big Farm Manage* P. 41-43, 45. (Continued). Oct 1975

030018 22.5 M6932B
Studies on the effects of variation of tilling conditions on tilling torque in rotary tiller. (Jpn) Furuchi, T; Mitorai, M; Okada, Y; Nagata, M *Bull Fac Agric Univ Miyazaki* 21 (2): 267-285. Eng. Sum. Dec 1974

030019 58.9 F843B
Frames or cabins having undergone the tests of the former codes of the Organization for Economic Cooperation and Development, with the indication of the tractors to which they fit. (Fre) *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 29-42. Oct 1975

030020 58.9 F843B
General information on agricultural equipment and agriculture. (Fre) *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 213: 13-27. Oct 1975

030021 SB415.C625
Programming LOIS [light operated interval switch] for multiple mist signals [Irrigation equipment]. Koths, J S; Bartok, J W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 3-5. Aug 1975

030022 SB415.C625
Solar timing for pot watering [Greenhouse equipment]. Koths, J S; Bartok, J W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 4-7. Sept 1975

030023 58.8 T677
Accident prevention devices for dropping outlets [Storage of hay and straw]. (Ger) Ober, J *DLZ (Die Landtech Z)* 26 (4): 280. Apr 1975

030024 58.8 T677
Can the short cut loading truck replace the field chopper? (Ger) Hochkonig, W *DLZ (Die Landtech Z)* 26 (4): 242-244. Apr 1975

030025 58.8 T677
Does your silage chain still have a weak point? (Ger) Schurig, M *DLZ (Die Landtech Z)* 26 (4): 236, 238, 240. Apr 1975

030026 58.8 T677
Farewell to pitchforks and spades? [Equipment]. (Ger) Brodersen, G *DLZ (Die Landtech Z)* 26 (4): 251-252, 265. Apr 1975

030027 58.8 T677
How does the ideal maize seeding machine look? (Ger) Estler, M *DLZ (Die Landtech Z)* 26 (3): 148-150. Mar 1975

030028 58.8 T677
How moist are grains? Type table of devices to measure cereal moistness. (Ger) *DLZ (Die Landtech Z)* 26 (5): 318. May 1975

030029 58.8 T677
Hydro-Silo-Boy silo withdrawal device. (Ger) *DLZ (Die Landtech Z)* 26 (4): 277. Apr 1975

030030 58.8 T677
Is the semi-liquid manure cultivator forcing us to protect the environment. (Ger) Langenegger, G; Zeisig, H D *DLZ (Die Landtech Z)* 26 (3): 183-186. Mar 1975

030031 58.8 T677
Large bales, heaped straw with future [Equipment]. (Ger) Weihenstephan, S *DLZ (Die Landtech Z)* 26 (11): 744-746. Nov 1975

030032 58.8 T677
More "phases", more losses? [Sugarbeet harvesting, equipment]. (Ger) Brinkmann, W *DLZ (Die Landtech Z)* 26 (6): 379-380, 382. June 1975

030033 58.8 T677
Mower harveste in figures. (Ger) *DLZ (Die Landtech Z)* 26 (5): 312, 314, 316. May 1975

030034 58.8 T677
Mower-presser-hay processing. What experts think of the novelties. (Ger) Schurig, M *DLZ (Die Landtech Z)* 26 (4): 232-234. Apr 1975

030035 58.8 T677
Rotary cultivator for working with straw. (Ger) Perwanger, A *DLZ (Die Landtech Z)* 26 (5): 321-323. May 1975

030036 58.8 T677
Scandinavian whistle in detail [Equipment]. (Ger) Brodersen, G *DLZ (Die Landtech Z)* 26 (10): 660-662. Oct 1975

030037 58.8 T677
Tank trucks for fluid manure. (Ger) *DLZ (Die Landtech Z)* 26 (3): 174-176, 181-182. Mar 1975

030038 58.8 T677
The AP 45 Welger collector high pressure press [Feed processing equipment]. (Ger) *DLZ (Die Landtech Z)* 26 (6): 388. June 1975

030039 58.8 T677
The C 40 moving farm container [Manure spreaders]. (Ger) Fenzel, H *DLZ (Die Landtech Z)* 26 (4): 272-274. Apr 1975

030040 58.8 T677
The Claas Dominator [harvester-thresher]. (Ger) *DLZ (Die Landtech Z)* 26 (9): 620. Sept 1975

030041 58.8 T677
The Claas Mercator 60 [harvester-thresher]. (Ger) *DLZ (Die Landtech Z)* 26 (5): 346. May 1975

030042 58.8 T677
The CM 215 PZ Rotor mower. (Ger) *DLZ (Die Landtech Z)* 26 (11): 747. Nov 1975

030043 58.8 T677
The field mover [Evaluation]. (Ger) *DLZ (Die Landtech Z)* 26 (9): 568-571. Sept 1975

030044 58.8 T677
The FS 60 Diadem farm manure spreader. (Ger) *DLZ (Die Landtech Z)* Diadem-Anbaudungerstreuer FS60 Oct 1975

030045 58.8 T677
The K 30 T Heylo oil air filter [for drying cereals]. (Ger) *DLZ (Die Landtech Z)* 26 (6): 389. June 1975

030046 58.8 T677
The Kongskilde TRL 55 cereal blower. (Ger) *DLZ (Die Landtech Z)* 26 (5): 345. May 1975

030047 58.8 T677
The LD 50 BouMatic raw milking device. (Ger) *DLZ (Die Landtech Z)* 26 (9): 619. Sept 1975

030048 58.8 T677
The Monosem-Pneumatic single grain seeding machine for maize. (Ger) *DLZ (Die Landtech Z)* 26 (4): 276. Apr 1975

030049 58.8 T677
The New Holland 1000 bale loading truck. (Ger) Heinrich, H *DLZ (Die Landtech Z)* 26 (6): 386-387. June 1975

030050 58.8 T677
The new tractor prices. (Ger) *DLZ (Die Landtech Z)* 26 (11): 720-726, 728-730, 732-733. Nov 1975

030051 58.8 T677
The Pottinger harvesting truck. (Ger) Steinberger, H *DLZ (Die Landtech Z)* 26 (10): 686-687. Oct 1975

030052 58.8 T677
The "trac" tractor: display gag or sensation in broad action? (Ger) Trauisen, H *DLZ (Die Landtech Z)* 26 (5): 308-311. May 1975

030053 58.8 T677
The Unadrill ZM 4 S single grain seeding machine. (Ger) *DLZ (Die Landtech Z)* 26 (3): 160. Mar 1975

030054 58.8 T677
The 1014 Allrad 105 horsepower Kramer two row tractor. (Ger) Wuschek, A A *DLZ (Die Landtech Z)* 26 (3): 162-164. Mar 1975

030055 58.8 T677
The 650 and 850 Rotina farm manure spreader. (Ger) *DLZ (Die Landtech Z)* 26 (10): 688. Oct 1975

030056 58.8 T677
Universal single grain seeding machine for seeding sugarbeets. (Ger) *DLZ (Die Landtech Z)* 26 (3): 158. Mar 1975

030057 58.8 T677
What milling and mixing equipment to know and what not to know. (Ger) *DLZ (Die Landtech Z)* 26 (11): 748-750. Nov 1975

030058 58.8 T677
What you should know before buying a potato harvester. (Ger) Specht, A *DLZ (Die Landtech Z)* 26 (6): 376-378. June 1975

030059 58.8 T677
With high pressure in the last crack [Cleaning equipment]. (Ger) *DLZ (Die Landtech Z)* 26 (10): 674-675. Oct 1975

030060 275.29 M58B
In forest plantings: sprayer calibration for herbicide application [Equipment. Heiligmann, R; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 916, 2 P. Oct 1975

030061 TX341.F3
Cold circulation cleaning of milking equipment is successful at farm level. Palmer, J; Kirley, T *Farm Food Res* 6 (4): 93-94. July-/Aug 1975

030062 384 C422
Stirring and mixing equipment, with special regard to the dairy industry. (Ger) Kalkschmidt, J *Fette Seifen Anstrichm* 77 (9): 357-359. Sept 1975

030063 75.8 K147
Equipment necessary for vegetable growers. (Rus) Shaumian, I *Kartofel Ovoschi* 1: 18-19. Jan 1975

030064 75.8 K147
Mechanization in the care of melon crops. (Rus) Chaban, L; Boromenskii, V *Kartofel Ovoschi* 1: 34-35. Jan 1975

030065 75.8 K147
Production line for potato preparation and planting [Mechanization]. (Rus) Serovatov, V *Kartofel Ovoschi* 1: 8-11. Jan 1975

030066 75.8 K147
The ATD-2 apparatus with enlarged bunkers [Potato planting equipment]. (Rus) Kan, M; Kuz'min, B; Pshechenkov, K *Kartofel Ovoschi* 1: 15-16. Jan 1975

030067 75.8 K147
Tillage of potato stands [Equipment]. (Rus) Chernikov, V *Kartofel Ovoschi* 6: 11-13. June 1975

030068 75.8 K147
Transport operations in greenhouses [Mechanization]. (Rus) Lamm, M; IAsiunas, E; Baluev, V; Galkin, M *Kartofel Ovoschi* 1: 25-26. Jan 1975

030069 72.8 K522
Hydraulic standpipes for underground irrigation pipelines. (Rus) Verlev, I *Khlopkovodsto* 5: 45-47. May 1975

030070 72.8 K522
Mechanized irrigation of cotton with semi-rigid pipelines. (Rus) Cheliukanov, M D; Arakelov, P B *Khlopkovodsto* 6: 34-36. June 1975

030071 72.8 K522
The experience of operating cotton harvesting machines working at various height in the Pakhtaaral state farm [Kazakh SSR]. (Rus) Khan, L T; Tikmenov, N V; Shpolianskii, D M *Khlopkovodsto* 6: 13-16. June 1975

030072 72.8 K522
The mechanization of harvesting fine-fiber varieties of cotton. (Rus) Shpolianskii, D M; Spevakov, R J; Atamanov, IU I; Mogilevets, IU K; Starkov, P D *Khlopkovodsto* 9: 21-23. Sept 1975

030073 72.8 K522
The problem of constructing a new [cotton] roller gin. (Rus) Pavliak, G A; Usmanov, N G; Pavliak, A I *Khlopkovodsto* 6: 44-45. June 1975

030074 18 L2353
Determination of tire characteristics and equipment performance for field tractors. (Ger) Steinkampf, H *Landbauforsch Volkenrode* Special Number 27, 106 P. Ref. 1975

030075 58.8 L237
Rotavator in farming for high performance [Equipment]. (Ger) *Landmasch Rundsch* 27 (3): 72-73. June 1975

030076 58.8 L235
Considerations on the stability of tractor safety frames in over-turning, especially of those equipped with replacements. (Ger) Schwanghart, H *Landtechnik* 30 (10): 441-445. Oct 15, 1975

030077 58.8 L235
Favorable trends at the central agricultural festival in Munich [Equipment]. (Ger) Blum, W R *Landtechnik* 30 (10): 417-419. Oct 15, 1975

030078 58.8 L235
Why are all wheel drive high performance tractors prevalent? (Ger) Franke, R *Landtechnik* 30 (10): 438-440. Oct 15, 1975

59.8 L39
Use of automatic siphons in rice irrigation. (Por) Silva, E M da; Spiro, D A *Lav Arroz* 28 (284): 25-28. Mar/Apr 1975

030079 1 AG84L
Electric heating of hotbeds [Horticultural ezuipment, vegetables]. Stanley, J M; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 445, Slightly Rev., 8 P. Dec 1975

030080 49 B462
Qualities of a lactoduc [Dairy equipment, milking parlors]. (Fre) Darracq, J *L'elevage* 44: 61, 63, 65, 67-68. Oct 1975

030081 99.8 L5622
Complex mechanization of operations in culture of spruce seedlings. (Rus) Klimov, G B *Lesn Khoz* 10: 83-86. Oct 1975

030082 99.8 L5622
Development of complex mechanization of forest regeneration in the zone of excess soil moisture. (Rus) Albiakov, M P *Lesn Khoz* 11: 30-33. Nov 1975

030083 99.8 L5622
Mobile device for technical servicing of machine-tractor units. (Rus) Kazartsev, I S *Lesn Khoz* 11: 85-86. Nov 1975

030084 99.8 L5622
Seed scarifying machine [for tree and shrub planting] operated with superheated steam. (Rus) Sholokhov, L V; Bogoroditskii, I I; Kosov, G F; Kiriushin, V A *Lesn Khoz* 10: 86-88. Oct 1975

030085 99.8 L5622
Silvicultural evaluation of the operation of the KBL-1 cultivator. (Rus) Sliusarev, M G; Saenko, V I *Lesn Khoz* 11: 81-82. Nov 1975

030086 99.8 L5622
Testing the terracing machinery with combination working parts. (Rus) Lariukhin, G A; Serikov, IU M; Nikitin, V I *Lesn Khoz* 11: 77-80. Nov 1975

030087 99.8 L5622
The equipment and machine complex for silvicultural operations on irrigated land. (Rus) Khaliman, E M *Lesn Khoz* 10: 79-83. Oct 1975

030088 SF1.L5
Recent developments in the handling and weighing of farm animals [Swine, equipment]. Turner, M J B; Smith, R A *Livest Prod Sci* 2 (3): 289-295. Sept 1975

030089 58.8 D81
Maize harvest: direct mowing on the field is accomplished [Equipment]. (Ger) Graeber, E *Lohnunterne Land Forstwirtsch* 30 (8): 258-261. Aug 15, 1975

030090 58.8 M186
Concerning the 46th International Show of Agricultural Machinery, Paris, March 2-9, 1975. (Fre) *Mach Agric Trop* 50: 3-53. Apr-/June 1975

S13.M4
Group use of 8 kg/s combined harvesters and threshers [Cereals, harvesting, work management]. (Cze) Maler, J *Metod Zavad Vysled Vyzk Praxe* 17, 26 P. 1975

030091 58.9 B85M
Activities of the Farm Machinery Research Institute in 1974 [Hungary]. (Hun) *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (1), 217 P. Map. Eng. Sum. 1975

030092 58.9 B85M
Comparative evaluation of equipment for cleaning and disinfection. (Hun) Matyas, L; Sulok, J *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (3), 33 P. Eng. Sum. 1975

030093 58.9 B85M
Comparative test of rotary tillers. (Hun) Jori, J I *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (9), 28 P. Eng. Sum. 1975

030094 58.9 B85M
Comparison for the measuring of path-reliefs of agricultural machines of two methods. (Hun) Borsa, B *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (15), 28 P. Eng. Sum. 1975

030095 58.9 B85M
Development of measuring methods and a measuring frame for the examination of mounted equipment. (Hun) Papp, Z *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (2), 24 P. Eng. Sum. 1975

030096 58.9 B85M
Development of an instrument for testing the evenness of dosing of drilling machines. (Hun) Borody, H *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (5), 31 P. Eng. Sum. 1975

030097 58.9 B85M
Examination of irrigation equipmentes with large-range sprinklers. (Hun) Szabo, D; Cserhidy, A *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (11), 37 P. Eng. Sum. 1975

030098 58.9 B85M
Examination of power machines of high output, which are applicable for large-scale vine plantations on sandy soil. (Hun) Goblos, G *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (13), 26 P. Eng. Sum. 1975

030099 58.9 B85M
Investigation of the process of corn harvesting with crushing and its preserving. (Hun) Majkuth, J; Csermely, J *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (10), 43 P. Eng. Sum. 1975

030100 58.9 B85M
Planning of machine requirement and machine use by means of network program. (Hun) Kiss, Mrs I *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (12), 29 P. Eng. Sum. 1975

030101 58.9 B85M
Questions of operation of alfalfa harvesting carried out by high-power self-propelled forage harvesters. (Hun) Antal, G *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (4), 42 P. Ref. Eng. Sum. 1975

030102 58.9 B85M
Relations between the mechanization and the mechanical features of fertilizers. (Hun) Demes, Gy *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (6), 35 P. Eng. Sum. 1975

030103 58.9 B85M
Technical and economical comparison of large-scale automatized milking machines. (Hun) Toth, L; Dessewffy, B *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (7), 48 P. Eng. Sum. 1975

030104 58.8 M572
A modern irrigation station [Equipment]. (Hun) Kovacs, J *Mezogazd Tech* 15 (10): 6-7. 1975

030105 58.8 M572
The hydraulic system of the tractor John Derre 4630. II. (Hun) Radvanyi, G *Mezogazd Tech* 15 (10): 14-15, 19. 1975

030106 58.8 M572
The latest plant protection equipment on the international show at Moscow. (Hun) Trefan, L *Mezogazd Tech* 15 (10): 10-12. 1975

030107 SF221.M5
Milk quantity measuring device for milking equipment and milking sheds. (Ger) Hutter, A *Milch Prax Rindermast* 13 (4/5): 26. Nov 1975

030108 77.8 OL2
Use of plastic bags in sprinkler irrigation of oilpalm nurseries. (Fre) Quencez, P *Oleagineux* 30 (8/9): 355-357. Aug/Sept 1975

030109 SB401.P4P4
Operation and care of spray equipment for pecan trees. Potts, S F *Pecan South* 2 (5): 217. Sept 1975

030110 281.9 B87
How to buy milking equipment in 1975. (Fre) Darracq, J *Prod Agric Fr* 51 (176): 28-30. Sept 15, 1975

14 P94
Mechanical grape harvesting in Anjou [Costs, equipment]. (Fre) Riveneau, B *Prog Agric Vitic* 92 (19): 567-577. Oct 1, 1975

030111 7 C16PU
Mist propagation [of plant cuttings, greenhouse construction]. Fleming, R A *Publ Can Dep Agric* 313, 8 P. 1975

030112 S590.U6
Implements [harrows] for seedbed preparation; studies of the mode of working and the working results. (Swe) Olsson, U *Rapp Jordbearbetningsavd Lantbrukshogsk* 40, 54 P. Ref. Eng. Sum. 1975

030113 S15.R46
Hints to machine operators. (Por) Goncalves, A *Reordenamento* 37: 22-23. Jan/-Feb 1975

030114 S51.E2
Plans for a shielded herbicide applicator for Christmas trees and nursery stock. Reid, J T; Davis, T S; Georgia Experiment Stations *Res Bull Ga Exp Stn* 174, 19 P. Sept 1975

030115 SB29.K8A3
A study on the design of rotary mower as a power tiller attachment. (Kor) Joo, K R; Kim, H Y; Choi, K H *Res Rep Off Rural Dev (Suwon)* 17: E1-E8. Ref. Eng. Sum. Aug 1975

030116 SB29.K8A3
Research on the development of throw-in type thresher. (Kor) Han, S K; Lee, Y K; Lee, S K; Shin, K S *Res Rep Off Rural Dev (Suwon)* 17: E9-E13. Ref. Eng. Sum. Aug 1975

030117 SB29.K8A3
Studies on the small size of grain dryer and storage bin for the farm. (Kor) Kim, S R; Kim, H Y; Seo, S R *Res Rep Off Rural Dev (Suwon)* 17: E15-E28. Ref. Eng. Sum. Aug 1975

030118 S671.R5
Effects of tire deformation on the tractor transversal stability. Articulated tractor. (Ita) De Zanche, C *Riv Ing Agrar* 6 (3): 119-126. Eng. Sum. Sept 1975

20.5 R59 SER. C
Estimation method of drum driers of fodder in operation conditions. (Pol) Kulik, T *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 101-108. Eng. Sum. 1975

20.5 R59 SER. C
Moisture stream application for comparison of agricultural drum driers of fodder. (Pol) Kulik, T *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 109-116. Eng. Sum. 1975

20.5 R59 SER. C
Optimization possibility of regional agricultural technological service system. (Pol) Otmianowski, T; Guz, J; Marciniak, A W; Pierscionek, Z; Pleszczynski, S *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 7-18. Eng. Sum. 1975

20.5 R59 SER. C
Parameters characterizing soil in the traction equations [Tractors]. (Pol) Soltynski, A; Swiec, J *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 75-92. Eng. Sum. 1975

20.5 R59 SER. C
Real conditions of mechanical similarity appearing while [bulldozing, compaction, shearing and friction] forces act on soil. (Pol) Mirecki, J; Soltynski, A; Swiech, J *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 45-74. Eng. Sum. 1975

030119 20.5 R59 SER. C
The photoelastic model for soil-machine system with the aid of gelatin. (Pol) Pietruszewski, S; Witkowska, H *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 19-24. Eng. Sum. 1975

030120 106 ES83
About automatic flooding of a centrifugal pump before launching [Drainage, irrigation]. (Rus) Khaldre, Kh *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 54-59. Eng. Sum. 1975

030121 106 ES83
Drainage pumping stations [equipped] with centrifugal pumps. (Rus) Khaldre, Kh *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 50-53. Eng. Sum. 1975

030122 58.8 T678AG
Problems in starting engines. (Ger) Fischer, K *Schweiz Landtech Dtsch Ausg* 37 (12): 709. Sept 15, 1975

030123 58.8 T678AG
Spigot equipment for preparing seedbeds. (Ger) Fischer, K *Schweiz Landtech Dtsch Ausg* 37 (12): 691-694. Sept 15, 1975

030124 58.8 T678AG
Type tables of field sprayers. (Ger) Irla, E *Schweiz Landtech Dtsch Ausg* 37 (12): 728-736. Sept 15, 1975

030125 100 P381S
Pesticide applicators need 1976 certification. Hock, W K; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 11. Fall 1975

030126 SB183.S3
Development of mechanization of socialist agriculture in the Czechoslovak Socialist Republic and main tasks of research in the field of agricultural engineering. (Rus) Velebil, M *Sci Agric Bohemoslov* 5 (4): 263-271. Ref. 1974

030127 65.8 SE4
Research on the possibility of sugarbeet sowing with the pneumatic single seed planter. (Tur) Onal, I *Seker* 25 (96): 14-24. Ref. Eng. Sum. July 1975

030128 S671.S8
Mechanization of hillside operations in agriculture (review). (Cze) Burget, S *Stud Inf, Zemed Tech* 1, 60 P. Ref. Eng. Sum. 1975

030129 68.19 M28
A universal sprayer based on the system of the Colchis complex agricultural experimental station of the All-Union Research Institute of Tea and Subtropical Crops. (Rus) Kibal'nikov, N I; Kvizhinadze, G V; Shubitidze, Zh G; Kvaratskheliia, T I; Nadareishvili, G E *Subtrop Kul't* 1: 111-114. 1975

030130 58.9 L542
Design of land leveling equipment. (Rus) Kuznetsov, IU I; Drozdov, V N *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 281-297. 1974

030131 58.9 L542
Dynamics of mounted tillage assemblies [Plows, designs]. (Rus) Matsnev, M G; Burchenko, P N *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 169-261. Ref. 1974

030132 58.9 L542
Effect of separate parameters of an asymmetric disk tiller on the characteristics of its operation. (Rus) Zhirnov, A A *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 298-306. 1974

030133 58.9 L542
Elements of a theory on intermittent ridging [Equipment design]. (Rus) Piliugin, L M *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 322-350. 1974

58.9 L542
Influnece of varied soil cultivation and sowing speeds on yields of agricultural crops [Cereals, culture, mechanization]. (Rus) Nikiforov, P E *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 3-51. 1974

030134 58.9 L542
Investigation of the work of a series of experimental plow bases [Construction, operation]. (Rus) Nikiforov, N E *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 52-75. 1974

030135 58.9 L542
Research on crumblers for presowing soil tillage [Equipment, disks]. (Rus) Kuznetsov, IU I *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 265-280. 1974

030136 58.9 L542
Results of an investigation of a system for the automatic regulation of plowing depth. (Rus) Tokarev, V A *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 306-321. 1974

030137 58.9 L542
Study of operation of plow bases with plastic moldboards at increased speeds. (Rus) Burchenko, P N; Ivanov, A N; Kashaev, B A; Kiriukhin, V G; Mil'tsev, A I; Korotko, V M *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 261-265. 1974

030138 58.9 L542
Study of the energetistic and agrotechnical indices of high-speed [plow] bases [Construction, operation]. (Rus) Burchenko, P N; Ivanov, A N; Mamedova, L V; Marsnev, M G; Kiriukhin, V G; Mil'tsev, A I; Korotkov, V M *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 76-80. 1974

030139 58.9 L542
Theory of mounted tillage assemblies [Plows, designs]. (Rus) Burchenko, P N *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 80-169. Ref. 1974

030140 290.9 AM32T
A melon pickup machine for reducing onerous labor. O'Brien, M; Harriott, B L *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 803-805. Sept/Oct 1975

030141 290.9 AM32T
A new approach to tree fruit collection [Limb padding, space-fill, equipment]. Fridley, R B; Claypool, L L; Mehlschau, J J *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 859-863. Ref. Sept/Oct 1975

030142 290.9 AM32T
Accuracy of seed spacing in peanut planting [Equipment]. Chhinnan, M S; Young, J H; Rohrbach, R P *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 828-831. Ref. Sept-/Oct 1975

290.9 AM32T
Bruising characteristics of peaches related to mechanical harvesting. Kunze, O R; Aldred, W H; Reeder, B D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 939-941, 945. Sept/Oct 1975

030143 290.9 AM32T
Determination of particle length in cobs and wafers [Separator equipment]. Moller, F *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 950-951. Sept/Oct 1975

030144 290.9 AM32T
Inertial removal of bell peppers with a vertical snapping motion produced by a double crank mechanism. Fowler, W E Jr; Shaw, L N *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 814-817. Sept/Oct 1975

030145 290.9 AM32T
Mechanical properties influencing vibrations in blueberry canes [Vibratory harvesters, mathematical model]. Ghate, S R; Rohrbach, R P *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 921-925, 931. Sept/Oct 1975

030146 290.9 AM32T
Oscillating screen motion effect on the particle passage through perforations [Chickpea seed]. Feller, R; Foux, A *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 926-931. Ref. Sept/Oct 1975

030147 290.9 AM32T
Roll and pitch investigations of off-road vehicles [Tractors]. Young, R E; Suggs, C W *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 841-844. Ref. Sept/Oct 1975

030148 290.9 AM32T
Spectral radiant power of lamps used in horticulture. Campbell, L E; Thimijan, R W; Cathey, H M *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 952-956. Ref. Sept/Oct 1975

030149 290.9 AM32T
Techniques for evaluating forage blowers. Husman, J F; Finner, M F *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 845-847. Ref. Sept/Oct 1975

030150 290.9 AM32T
The development of the Australian chopped sugarcane harvester. Spargo, R F; Baxter, S W D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 806-810. Sept/Oct 1975

030151 290.9 AM32T
The effect of field shelling [equipment] on popcorn quality. Lien, R M; Haugh, C G *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 855-858. Sept/Oct 1975

030152 290.9 AM32T
Using dimensionless prediction terms to describe in-soil tracked vehicle performance. Turnage, G W *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 832-840, 844. Sept/Oct 1975

030153 S671.V3
Drawbar performance of agricultural tractors. (Fin) Ahokas, J; Altonen, M *Tutkimusselostus Valt Maatalouskoneiden Tutkimuslaitos* 14, 30 P. Ref. Eng. Sum. 1975

030154 64.8 Z12
Better organization for drying of flax bolls [Mechanization, linseeds]. (Cze) Binder, M *Uroda* 23 (7): 253-255. July 1975

64.8 Z12
Method of ascertaining cereal losses during harvesting. (Cze) Maler, J *Uroda* 23 (8): 294-296. Aug 1975

030155 95.8 V77
Use of irrigation installations in the planting of grape grafts in a nursery. (Rus) Mishurenko, A G; Nikolenko, V G; Filonenko, I I *Vinodel Vinograd SSSR* 5: 29-30. 1975

030156 20 V82
Calculating the strength of plastic discs of centrifugal spreaders of mineral fertilizers. (Ukr) Humeniuk, V S; Zelens'kyi, IU A *Visn Sil's'kohospod Nauki* 7: 33-36. July 1975

030157 20 V82
Determining optimum productivity of equipment for washing parts in machine repairing. (Ukr) Semkovych, O D; Hryniv, V IU *Visn Sil's'kohospod Nauki* 9: 24-29. Sept 1975

030158 20 V82
Economic effectiveness of increasing the post-repair resources of [agricultural] machinery. (Ukr) Derevets', I S *Visn Sil's'kohospod Nauki* 6: 7-11. June 1975

030159 20 V82
High frequency system for plant recognition [Agricultural equipment, automation]. (Ukr) Sakalo, L H *Visn Sil's'kohospod Nauki* 6: 24-27. June 1975

030160 20 V82
Measuring fuel consumption in tractor testing. (Ukr) Hrom-Maznichevs'kyi, L H; Popko, V I; Okhmat, P K; Adamchuk, I V *Visn Sil's'kohospod Nauki* 7: 29-33. July 1975

030161 20 V82
On the advantage of wide operating widths of machine units in potato tillage. (Ukr) Haponenko, V S; Fedotov, B T; Zabors'kyi, V F *Visn Sil's'kohospod Nauki* 9: 21-24. Sept 1975

030162 20 V82
Reducing losses of pressure in feed transporting in vibrating tubes. (Ukr) Hrachova, L I; Makarov, IE V *Visn Sil's'kohospod Nauki* 9: 29-32. Sept 1975

030163 20 V82
Study of operating conditions of the screw pump [Transport of feed mixes and water. (Ukr) Berezhnyi, V V; Moskalenko, D M; Bosyi, M A; Arnautov, V I *Visn Sil's'kohospod Nauki* 6: 21-24. June 1975

030164 421 Z1
Equipment for grain disinfection with formaldehyde. (Rus) Sukharnikov, M F *Zashch Rast* 1: 28-29. Jan 1975

030165 421 Z1
KA-26 helicopter in agriculture [Pesticide spraying and fertilizer application]. (Rus) Berezin, V P *Zashch Rast* 1: 26-28. Jan 1975

030166 421 Z1
OMP-2 sprayer. (Rus) Valdaiskii, N P; Glezer, V M *Zashch Rast* 2: 40-41. Feb 1975

030167 SB183.Z4
Combine and transportation complexes in the harvesting of cereal crops. (Rus) Grigorenko, G P *Zernovoe Khoz* 6: 12-15. June 1975

030168 49 Z6
Project of new mechanized sheep farm for western Siberia. (Rus) Chamukha, M D; Sukharev, V P; Kuligina, M IA; Evdokimov, IU S *Zhivotnovodstvo* 8: 85-86. Aug 1975

SOIL SCIENCE

030169 S544.3.W6W53
Soil surveys for town & country. Hole, F D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2293, Rev., 4 P. Map. Oct 1975

030170 20.5 AC8
Content of copper in soils and meadow plants in some regions of southern Poland. (Pol) Gorlach, E; Gorlach, K *Acta Agrar Silv, Ser Agrar* 14 (1): 35-48. Ref. Eng. Sum. 1974

030171 QR1.A33
The influence of glucose on simazine decomposition [by Penicillium citrinum in soil]. Strzelec, A *Acta Microbiol Pol, Ser B Microbiol Appl* 7 (2): 91-96. 1975

030172 S671.A2
Verification of a laboratory instrument for determination of relations of relative abrasive resistance in conditions of soil treatment. (Slo) Marko, M; Seckar, P; Balla, J *Acta Technol Agric* 13: 21-32. Eng. Sum. 1975

030173 58.8 D482
Measurement of resistance of soil to pressure. (Ger) Bernhardt, K *Agrartechnik* 25 (7): 357-359. 1975

030174 107.6 SA13
Studies on off-the-road locomotion. Estimation of vertical stresses in the layer of paddy field soil. Yoshida, I; Kaku, K *Agric Bull Saga Univ* 39: 17-34. Aug 1975

030175 16 AG8226
Elements of soil biology: Let us preserve it if we with to survive with it. (Ita) Visona, L *Agricoltura* 23 (6): V-X. June 1974

030176 4 AM34P
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. Sain, P; Broadbent, F E *Agron J* 67 (6): 759-762. Ref. Nov/Dec 1975

030177 4 AM34P
Nitrogen transformations in soil as affected by the fungicides benomyl, dyrene, and maneb [Effects on microorganisms]. Mazur, A R; Hughes, T D *Agron J* 67 (6): 755-758. Ref. Nov/Dec 1975

4 AM34P
Soybean root anatomy as influenced by soil bulk density. Baligar, V C; Nash, V E; Hare, M L; Price, J A Jr *Agron J* 67 (6): 842-844. Nov/Dec 1975

030178 4 AM34P
Yield potential of soybean as related to soil compaction induced by farm traffic. Nelson, W E; Rahi, G S; Reeves, L Z *Agron J* 67 (6): 769-772. Ref. Nov/Dec 1975

030179 410 M58
Analysis of litterfall in a deciduous forest on Walker Branch Watershed, Tennessee: data stratification by two alternative methods. Grigal, D F; Grizzard, T *Am Midl Nat* 94 (2): 361-369. Ref. Oct 1975

030180 16 T63
Analytical examinations of soils and hays from Viu Valley (Lanzo Valley, Torino Province) [Composition]. (Ita) Luzzati, A; Siragusa Campanello, N *Ann Accad Agric Torino* 116: 191-216. Ref. Eng. Sum. 1973/1974

030181 S7.A755
Reactions of water-soluble fertilizer phosphates with different soils in the German Democratic Republic. (Ger) Suntheim, L; Matzel, W *Arch Acker- Pflanzenbau Bodenkd* 19 (6): 401-411. Ref. Eng. Sum. 1975

030182 S7.A755
Relations between soil moisture content and crop yield on a Tonschwarzerde soil in the central part of the Thuringian Basin. (Ger) Xylander, W; Roth, D *Arch Acker- Pflanzenbau Bodenkd* 19 (6): 413-423. Eng. Sum. 1975

030183 S7.A755
Some properties of a Lehm-Staugley soil as influenced by increasing levels of slurry application. (Ger) Rehbein, G; Schonmeier, H; Asmus, F *Arch Acker- Pflanzenbau Bodenkd* 19 (6): 425-435. Ref. Eng. Sum. 1975

030184 S7.A755
Using p-dimethylaminobenzaldehyde for extraction and colorimetric determination of urea in soil. (Ger) Schulz, H *Arch Acker-Pflanzenbau Bodenkd* 19 (6): 397-400. Eng. Sum. 1975

030185 107.6 T5762
On the amino acid composition in soil hydrolysates. I. Amino acid compositions in acid hydrolysates of soil types and horizons of their soil profiles. Takeshima, S; Kuwano, G; Kakidaira, G *Bull Fac Agric Tamagawa Univ* 14: 11-18. Ref. 1974

030186 505 P21 (3)
On a deep transformation of micas with galacturonic acid, and the genesis of sectites in Podzol. (Fre) Vicente Hernandez, M A; Robert, M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (9): 523-526. Ref. Eng. Sum. Sept 1, 1975

030187 505 P21 (3)
Quantitative estimation of edaphic Testacea per soil area unit. (Fre) Couteaux, M M *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (11): 739-741. Eng. Sum. Sept 15, 1975

030188 505 P21 (3)
Study of the organic matter of a few Planosols with a black Bt-horizon from the Colombian Andean belt. (Fre) Faivre, P; Andreux, F; Duchaufour, P *C R Hebd Seances Acad Sci, Ser D Sci Nat* 281 (14): 981-984. Eng. Sum. Oct 6, 1975

030189 448.8 C162
Infrared color photomicrography of soil microorganisms. Casida, L E Jr *Can J Microbiol* 21 (11): 1892-1893. Nov 1975

030190 448.8 C162
Methods for growing nitrogen-fixing bacteria separated from plant cells. LaRue, T A; Kurz, W G W; Child, J J *Can J Microbiol* 21 (11): 1884-1886. Nov 1975

030191 448.8 C162
Osmophilous fungi in the salt marshes of Kuwait. Moustafa, A F *Can J Microbiol* 21 (10): 1573-1580. Map. Ref. Oct 1975

030192 448.8 C162
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic volatiles in soils. Griffin, G J; Hora, T S; Baker, R *Can J Microbiol* 21 (10): 1468-1475. Ref. Oct 1975

030193 56.8 C162
Distribution of amino acid and carbohydrate components in fulvic acid [from Italian soils] fractionated on polyamide. Sequi, P; Guidi, G; Petruzzelli, G *Can J Soil Sci* 55 (4): 439-445. Ref. Nov 1975

030194 56.8 C162
Micromorphological, mineralogical and chemical characteristics of some Alpine soils and their genetic implications. Pawluk, S; Brewer, R *Can J Soil Sci* 55 (4): 415-437. Ref. Nov 1975

030195 56.8 C162
Microvariations in soil climate under two kinds of forest cover. Leger, R G; Millette, G J F *Can J Soil Sci* 55 (4): 447-456. Ref. Nov 1975

030196 56.8 C162
Novel method for estimating hydrogen-bonded CO2H [carboxyl] groups in humic substances. Schnitzer, M; Griffith, S M *Can J Soil Sci* 55 (4): 491-493. Ref. Nov 1975

56.8 C162
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot [Cattle, manure, disposal]. Campbell, L B; Racz, G J *Can J Soil Sci* 55 (4): 457-466. Ref. Nov 1975

030197 56.8 C162
Salt status of some soils of the Slave River Lowlands in Canada's Northwest Territories. Pringle, W L; Cairns, R R; Henning, A M F; Siemens, B *Can J Soil Sci* 55 (4): 399-406. Nov 1975

030198 56.8 C162
Susceptibility of organic matter of Chernozemic Ah horizons to biological decomposition. Dormaar, J F *Can J Soil Sci* 55 (4): 473-480. Ref. Nov 1975

030199 57.8 C42
Determination of fluorine in volcanic rocks from Filicudi and Alicudi (Aeolian Islands, southern Italy) and in geochemical reference materials. (Ger) Kluger, F; Weinke, H H; Klein, P; Kiesl, W *Chem Erde* 39 (4): 168-174. Ref. Eng. Sum. 1975

030200 57.8 C42
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). (Ger) Tobschall, H J *Chem Erde* 34 (2): 105-167. Ref. Eng. Sum. 1975

030201 S590.C63
Adsorption and bonding energy indexes for phosphorus in four soils of northeast Thailand. Singholka, S; Ellis, J H; Blevins, R L *Commun Soil Sci Plant Anal* 6 (6): 619-628. Ref. 1975

030202 S590.C63
Determination of orthophosphate in soil containing excess pyrophosphate. Douglas, L A; Riazi-Hamadani, A; Field, J F B *Commun Soil Sci Plant Anal* 6 (6): 665-675. Ref. 1975

030203 S590.C63
Estimation of critical limit for zinc in rice soils. Gangwar, M S; Chandra, S K *Commun Soil Sci Plant Anal* 6 (6): 641-654. Ref. 1975

030204 S590.G4
Application of thermometric titrations to the study of soil organic matter. I. Simple polyelectrolytes. Khalaf, K Y; MacCarthy, P; Gilbert, T W *Geoderma* 14 (4): 319-330. Ref. Nov 1975

030205 S590.G4
Application of thermometric titrations to the study of soil organic matter. II. Humic acids. Khalaf, K Y; MacCarthy, P; Gilbert, T W *Geoderma* 14 (4): 331-340. Ref. Nov 1975

030206 S590.G4
Some genetic characteristics of the freely drained soils of the Ettrick Association in east Scotland. Romans, J C C; Robertson, L *Geoderma* 14 (4): 297-317. Map. Ref. Nov 1975

030207 403 G29
Allometric change of landforms. Bull, W B *Geol Soc Am Bull* 86 (11): 1489-1498. Nov 1975

S16.G9G4
A contribution to lead studies in soils and the enviornment. I. Lead environmental pollution. (Gre) Karamanos, R E; Keramidas, V Z *Geoponika* (Ser. 3) 21 (225): 203-209. Ref. Eng. Sum. July/Aug 1975

030208 TA4.A453
Dilatancy of frozen soil and development of a strain theory or creep. Zaretskii, Yu K; Gorodetskii, S E *Hydrotech Constr* 2: 127-132. Feb 1975

030209 QR1.I53 1974
Arthrobacter globiformis: a successful soil bacterium. Gray, T R G; Duxbury, T; Luscombe, B M; Chapman, S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 262-276. Ref. 1974 (Pub. 1975)

030210 QR1.I53 1974
Behavior of pathogenic Fusarium oxysporum in different soiltypes, with special reference to the interaction of the pathogen and other microorganisms. Komada, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 450-452. 1974 (Pub. 1975)

030211 QR1.I53 1974
Distribution of soil fungi. Domsch, K H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 340-351. Maps. 1974 (Pub. 1975)

030212 QR1.I53 1974
Ecological distribution of micro-fungi in forest soils of Japan. Ishii, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 354-359. 1974 (Pub. 1975)

030213 QR1.I53 1974
Ethylene as a critical regulator of microbial activity in soil. Smith, A M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 463-473. Ref. 1974 (Pub. 1975)

030214 QR1.I53 1974
Microbial asymmetric decomposition of 2-oxo-4-methyl-6-ureidohexahydropyrimidine in soil. Kimura, R; Yamaguchi, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 277-286. 1974 (Pub. 1975)

030215 QR1.I53 1974
Microbial metabolism in soil. Stotzky, G *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 249-261. 1974 (Pub. 1975)

030216 QD181.S4H6
[Scandium] distribution in nature [Includes soils]. Horovitz, C T *In Scandium, Its Occurrence, Chemistry, Physics, Metallurgy, Biology and Technology. C. T. Horovitz, ed.* P. 18-49. Ref. 1975

030217 99.8 IN2
Applicability of some methods for determination of available phosphorus in forest soils. Banerjee, S P; Chand, S *Indian For* 101 (11): 652-658. Ref. Nov 1975

030218 99.8 IN2
Red ferruginous soils of Midnapur uplands of West Bengal. Banerjee, A K *Indian For* 101 (11): 635-651. Map. Ref. Nov 1975

030219 S3.I5
A comparative study of structure of soils of Rohtak under different cultural practices. Nijhawan, S D; Garg, K C *Indian J Agric Res* 8 (4): 233-237. Dec 1974

030220 S3.I5
Comparative efficiency of different commercial inoculants of Rhizobium japonicum on field-grown soybeans [Nodule bacteria]. Sharma, D S; Tilak, K V B R *Indian J Agric Res* 8 (4): 223-226. Dec 1974

030221 S3.I5
Correlation studies between different forms of phosphorus in alluvial soils of districts Deoria and Gorakhpur in Uttar Pradesh. Singh, R S; Pathak, A N *Indian J Agric Res* 9 (1/2): 94-96. Mar/June 1975

030222 S3.I5
Influence of zinc on symbiotic nitrogen fixation by soybean (Glycine max Linn.) in silt loam soil. Kapur, O C; Gangwar, M S; Tilak, K V B R *Indian J Agric Res* 9 (1/2): 51-56. Ref. Mar/June 1975

030223 S3.I5
Mineralogical study of the fine sands from the western fringe of Haryana. Garalapuri, V N; Goyal, V P *Indian J Agric Res* 8 (4): 227-232. Map. Dec 1974

030224 S3.I5
Note on the shrinkage characteristics as an index for structural evaluation of soils. Sharma, D L *Indian J Agric Res* 8 (4): 256-259. Dec 1974

030225 S3.I5
Physical properties of normal and salt affected soils of Uttar Pradesh. Pandey, R N; Pathak, A N *Indian J Agric Res* 9 (1/2): 63-70. Ref. Mar/June 1975

030226 292.48 IN2
Physicochemical and mineralogical characteristics of the soils of Kolleru lake, Krishna district, Andhra Pradesh. Govindan, P R *Indian J Power River Val Dev* 25 (5): 163-168. May 1975

030227 QH540.I54
Simple designs of gas sampling in field soils and measuring contents of carbon dioxide and oxygen. Wong, M H *Int J Ecol Environ Sci* 1 (2): 105-107. 1975

030228 442.9 AK124
Soil [invertebrates] fauna of orchards and vineyards in relation to soil cover. (Rus) Durdyklychev, A *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 1: 43-47. Ref. Eng. Sum. 1975

030229 10 J822
An equation to predict the leaching of surface-applied nitrate [Soils]. Burns, I G *J Agric Sci (Camb)* 85 (3): 443-454. Ref. Dec 1975

030230 448.3 J823
An enrichment technique for auxotrophs of Agrobacterium tumefaciens [Soil bacterium] using a combination of carbenicillin and lysozyme. Klapwijk, P M; Jonge, A J R de; Schilperoort, R A; Rorsch, A *J Gen Microbiol* 91 (1): 177-182. Nov 1975

030231 292.8 J82
Anomalous transmission of water through certain peats—a discussion. George, J E *J Hydrol* 27 (3/4): 359-361. Dec 1975

030232 292.8 J82
Distribution of salts in the root zone [Soil water]. Raats, P A C *J Hydrol* 27 (3/4): 237-248. Ref. Dec 1975

030233 56.9 IN2
Adsorption, degradation and leaching of alachlor in some soils. Sethi, R K; Chopra, S L *J Indian Soc Soil Sci* 23 (2): 184-194. June 1975

030234 56.9 IN2
Charge distribution in smectites developed from basalts in Madhya Pradesh. Singh, G; Murti, G S R K *J Indian Soc Soil Sci* 23 (2): 177-183. Ref. June 1975

030235 56.9 IN2
Distribution of various forms of phosphorus in northwest Rajasthan soils. Talati, N R; Mathur, G S; Attri, S C *J Indian Soc Soil Sci* 23 (2): 202-206. Ref. June 1975

030236 56.9 IN2
Distribution of different forms of iron in soils of Uttar Pradesh. Misra, S G; Pande, P *J Indian Soc Soil Sci* 23 (2): 242-246. Ref. June 1975

030237 56.9 IN2
Distribution of iron in paddy soils of eastern Uttar Pradesh. Singh, S; Ram, P *J Indian Soc Soil Sci* 23 (2): 253-255. June 1975

030238 56.9 IN2
Effect of CaCO3 [calcium carbonate] and iron on the availability of iron in a light textured soil. Singh, M; Dahiya, S S *J Indian Soc Soil Sci* 23 (2): 247-252. Ref. June 1975

030239 56.9 IN2
Effect of the sequence of addition of potassium and ammonium and preadsorbed cations on fixation of applied ammonium ions in soils. Raju, G S N; Mikhopadhyay, A K *J Indian Soc Soil Sci* 23 (2): 172-176. June 1975

030240 56.9 IN2
Effect of Zn, [zinc] Fe [iron] and moisture on the availability of Zn, Fe annd Mn [manganese] in soil. Subrahmanyam, A V; Mehta, B V *J Indian Soc Soil Sci* 23 (2): 236-241. Ref. June 1975

030241 56.9 IN2
Evaluation of soil tests for phosphorus and potassium. Pathak, A N; Tiwari, K N; Prasad, J *J Indian Soc Soil Sci* 23 (2): 207-211. Ref. June 1975

030242 56.9 IN2
Fixation of boron in relation to certain soil properties. Singh, K P; Sinha, H *J Indian Soc Soil Sci* 23 (2): 227-230. Ref. June 1975

030243 56.9 IN2
Interrelationship among available zinc, copper and phosphorus in soil. Hulagur, B F; Dangarwala, R T; Mehta, B V *J Indian Soc Soil Sci* 23 (2): 231-235. Ref. June 1975

030244 56.9 IN2
Phosphorus management of our soils. Need for a more rational approach. Mandel, S C *J Indian Soc Soil Sci* 23 (2): 141-157. Ref. June 1975

030245 56.9 IN2
Potassium in paddy soils of eastern Uttar Pradesh. Ram, P; Singh, B *J Indian Soc Soil Sci* 23 (2): 222-226. June 1975

030246 56.9 IN2
Studies on the phosphorus fixing capacity of major soil series of Thanjavur district. Mosi, A D; Soundarajan, S K; Lakshminarayanan, T *J Indian Soc Soil Sci* 23 (2): 195-201. June 1975

030247 56.9 IN2
Unsaturated conductivity of a well structured loam soil. Khosla, B K *J Indian Soc Soil Sci* 23 (2): 256-258. June 1975

030248 56.9 IN2
Validity of soil water evaporatin versus square root of time relation. Tripathi, R P; Ghildyal, B P *J Indian Soc Soil Sci* 23 (2): 157-162. June 1975

030249 99.8 N62
Decomposition of litter on forest floor. III. Decomposition of woods in subalpine forest. (Jpn) Kawahara, T; Sato, A *J Jap For Soc* 57 (10): 357-360. Oct 1975

030250 99.8 N62
Experimental studies on electro-drainage of landslide clay. (Jpn) Yamaguchi, I; Hsieh, H J *J Jap For Soc* 57 (9): 285-293. Eng. Sum. Sept 1975

030251 514 SY24
The influence of soil composition on the vegetation of the Coolac Serpentinite Belt in New South Wales [Casuarina stricta, Ricinocarpos bowmanii, Xanthorrhoea australis]. Lyons, M T; Brooks, R R; Craig, D C *J Proc R Soc N S W* 107 (3/4): 67-75. Map. 1974

030252 382 SO12
The application of regional geochemical reconnaissance data in areas of arable cropping [Soil survey]. Jordan, W J; Alloway, B J; Thornton, I *J Sci Food Agric* 26 (9): 1413-1423. Map. Ref. Sept 1975

030253 293.8 SE8
Significance of trace metals and nitrates in sludge soils. Brown, R E *J Water Pollut Control Fed* 47 (2): 2863-2875. Ref. Dec 1975

030254 72.8 K522
Soil salinization in the Murgab Oasis. (Rus) Rabochev, I S; Redzhepbaev, K R *Khlopkovodsto* 8: 29-32. Aug 1975

030255 72.8 K522
The effect of crop rotations on the properties of Sierozems. (Rus) Tadzhieva, U K *Khlopkovodsto* 5: 18-19. May 1975

030256 72.8 K522
[Using] alfalfa for the improvement of stony soils. (Rus) IUdakhin, P G *Khlopkovodsto* 5: 19-20. May 1975

030257 18 L2353
Investigations on the effects of stubble and catch crop treatments on physical soil properties and yields in a sugarbeet rotation on a Pseudogley-Parabrown soil. (Ger) Czeratzki, W; Ruhm, E *Landbauforsch Volkenrode* 24 (2): 111-122. Ref. Eng. Sum. Dec 1974

030258 18 L2353
Physical investigations of the plow pan of a degraded Chernozem soil. (Ger) Moreno, F; Sommer, K; Czeratzki, W *Landbauforsch Volkenrode* 24 (2): 123-132. Ref. Eng. Sum. Dec 1974

030259 18 L2353
Production of compost from refuse by rearing the earthworm Eisenia foetida (Savigny 1826). (Ger) Graff, O *Landbauforsch Volkenrode* 24 (2): 137-142. Dec 1974

030260 18 L2353
The sensitivity of two arable lands to compaction; a contribution to the behavior of soils under a vertical load in a range of soil suction up to pF 2.7. (Ger) Sommer, C *Landbauforsch Volkenrode* Special No. 26, 179 P. Ref. 1975

030261 QR100.M5
Microbial associations of soil types. Mishustin, E N *Microb Ecol* 2 (2): 97-118. Ref. 1975

030262 QK600.M5
The stages of fungal decomposition of forest litter. (Rus) Cheremisinov, N A *Mikol Fitopatol* 9 (5): 386-391. 1975

030263 100 M66 (1)
Physical properties of drought-hazard soils in central Minnesota. Dylla, A S; DeMartelaere, D E; Sutton, C K; Minnesota Agricultural Experiment Station *Misc Rep Minn Agric Exp Stn* 133, 16 P. Map. 1975

030264 SD111.N45N4
Influence of soil type on the nitrogen and phosphorus content of [Pinus] radiata pine litter. Lamb, D; Florence, R G *N Z J For Sci* 5 (2): 143-151. Aug 1975

030265 514 N482
Application of differential thermal anaysis to peat waxes. 1. Long-chain alcohols, acids, triglycerides, and esters of stearic acid. Wells, N; Tate, K R *N Z J Sci* 18 (3): 473-482. Ref. Sep 1975

030266 514 N482
Application of differential thermal analysis to peat waxes. 2. Montan wax and New Zealand peat waxes. Tate, K R; Wells, N *N Z J Sci* 18 (3): 483-491. Ref. Sep 1975

030267 514 N482
Studies of a climosequence of soils in tussock grasslands. 3. Nitrogen mineralisation and protease activity. Ross, D J; McNeilly, B A *N Z J Sci* 18 (3): 361-375. Ref. Sep 1975

030268 514 N482
Studies on a climosequence of soils in tussock grasslands. 4. Respiratory activities and their relationships with temperature, moisture, and soil properties. Ross, D J; McNeilly, B A; Molloy, L F *N Z J Sci* 18 (3): 377-389. Ref. Sep 1975

030269 S599.75.A1N9
Element distributions in loess columns at Claremont, Table Flat, and Stewarts Claim, New Zealand. Childs, C W; Searle, P L *N Z Soil Bur Sci Rep* 20, 59 P. Ref. 1975

030270 60.9 J27
Tryptophan and indole-3-acetic acid metabolism by Rhizobiummeliloti [Root nodule bacteria]. Mino, Y; Iriuda, N; Harada, T *Nippon Sochi Gakkai Shi* 21 (2): 86-90. Ref. July 1975

030271 56.8 P343
Decomposition of organic materials and soil fauna in pasture. 2. Disappearance of cow dung. Nakamura, Y *Pedobiologia* 15 (2): 129-132. Ref. 1975

030272 56.8 P343
Nitrogen fractions in earthworm casts and in the surrounding soil. (Ger) Aldag, R; Graff, O *Pedobiologia* 15 (2): 151-153. Eng. Sum. 1975

030273 56.8 P343
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in two soils of a beech forest (Retz forest). (Fre) Cancela da Fonseca, J P *Pedobiologia* 15 (5): 375-381. Ref. Eng. Sum. 1975

030274 56.8 P343
Seasonal and vertical distribution of a population of soil arthropods: Cryptostigmata. Usher, M B *Pedobiologia* 15 (5): 364-374. Ref. 1975

030275 56.8 P343
Some properties of the aggregations of soil arthropods: Cryptostigmata. Usher, M B *Pedobiologia* 15 (5): 355-363. Ref. 1975

030276 56.8 P343
Studies in leaf litter breakdown. III. The influence of leaf age [Quercus robur, Fagus]. Edwards, C A; Heath, G W *Pedobiologia* 15 (5): 348-354. 1975

030277 56.8 P343
Successions of microorganisms and invertebrata and their connections with biochemical processes during decomposition of manure in soil. (Ger) Alejnikova, M M; Artem'jeva, T I; Borisovic, T M; Gatilova, F G; Samosova, S M; Utrobina, N M; Sitova, L I *Pedobiologia* 15 (2): 81-97. Ref. Eng. Sum. 1975

030278 56.8 P343
Wire gauze size and the efficiency of Berlese-Tullgren funnels [Soils]. Reca, A; Rapoport, E H *Pedobiologia* 15 (5): 330-335. Ref. 1975

030279 501 L84PB
Soils of the New Hebrides islands. Quantin, P *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (918): 287-292. Nov 13, 1975

030280 325.28 P56
Geology and forestry classification from ERTS [Earth Resources Technology Satellite]-1 digital data. Lawrence, R D; Herzog, J H *Photogramm Eng Remote Sensing* 41 (10): 1241-1251. Ref. Oct 1975

030281 325.28 P562
Significance of fold and lineament patterns in sulphide mineralization in the northeastern part of the Jabalpur (India) mineralized belt—a photogeological interpretation. Roy, A *Photogrammetria* 31 (2): 53-64. Aug 1975

030282 464.8 P562
Effect of volatile substances from species of Labiatae on rhizospheric and phyllospheric fungi of Phaseolus vulgaris [Kidney beans]. Afifi, A F *Phytopathol Z* 83 (4): 296-302. Ref. Aug 1975

030283 57.8 P34
Alteration of soil-forming process in Solonchak-like Solonetz soils from artificial disturbance of their profiles. (Rus) Bol'shakov, A F *Pochvovedenie* 10: 86-96. Eng. Sum. Oct 1975

030284 57.8 P34
Biological cycle of chemical elements in Central Taiga fir forests [Forest litter, soil humus]. (Rus) Sloboda, A V *Pochvovedenie* 10: 34-44. Ref. Eng. Sum. Oct 1975

030285 57.8 P34
Clay minerals of soil forming rocks of the central Russian Plain. (Rus) Bolikhovskii, V F; Zyrin, N G *Pochvovedenie* 10: 114-126. Ref. Eng. Sum. Oct 1975

030286 57.8 P34
Dynamics and composition of alkali hydrolyzable nitrogen in polzol soils of the Kola Peninsula. (Rus) Kislykh, E E *Pochvovedenie* 10: 45-50. Eng. Sum. Oct 1975

030287 57.8 P34
Effect of freezing and thawing on the conversion of soil nitrogen. (Rus) Khonnolainen, G I; Reppo, E A *Pochvovedenie* 10: 28-33. Ref. Eng. Sum. Oct 1975

030288 57.8 P34
Evaluation of soil map details by using the structural parameters of the soil cover. (Rus) Godel'man, IA M; Leib, Kh I; Pugachev, A P *Pochvovedenie* 10: 19-27. Ref. Eng. Sum. Oct 1975

030289 57.8 P34
Main component method and its use in soil science. (Rus) Rozhkov, V A *Pochvovedenie* 10: 141-151. Ref. Oct 1975

030290 57.8 P34
Mineralogical and geochemical properties of the soil cover in the area of copper deposits of the southern Urals. (Rus) Kucherenko, V D; Cherniakhov, V B *Pochvovedenie* 10: 127-136. Ref. Eng. Sum. Oct 1975

030291 57.8 P34
Pseudopodzolization and its diagnosis by the composition and distribution of free forms of iron (as exemplified by the soils of the Far-Eastern Primorye). (Rus) Zonn, S V; Kostenkova, A F; Musorok, G P; Khavkina, N V *Pochvovedenie* 10: 3-18. Ref. Eng. Sum. Oct 1975

030292 57.8 P34
Reclamative properties and classification of gypsiferous soils. (Rus) Minashina, N G; Egorov, V V *Pochvovedenie* 10: 74-85. Ref. Eng. Sum. Oct 1975

030293 57.8 P34
Shearing resistance, internal friction and coherence of light-grey and cinnamon-grey forest soils. (Rus) Burlakov, A A *Pochvovedenie* 10: 51-59. Ref. Eng. Sum. Oct 1975

030294 57.8 P34
Study of the nature of filtration flow instability in peat soils. (Rus) Bondarenko, N F; Danchenko, O I; Kovalenko, N P *Pochvovedenie* 10: 137-140. Eng. Sum. Oct 1975

030295 513 N212 PT.B
A comparative study of clay mineralogy of semi-arid soils of Western Uttar Pradesh and Eastern Rajasthan. Yadav, B R; Gupta, R N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 160-166. Ref. Apr 1974

030296 513 N212 PT.B
A review of work on potentiometric titration of south Indian soils. Krishnamoorthy, K K; Manickam, T S *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 227-230. Ref. Apr 1974

030297 513 N212 PT.B
Adsorption of copper by mixed pure clays [Minerals]. Upadya, G S; Biddappa, C C; Perur, N G *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 311-314. June 1974

030298 513 N212 PT.B
Application of physicochemical methods to the quantitative evaluation of clay minerals in soils. Narain, B; Gupta, R N *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 249-261. Ref. June 1974

030299 513 N212 PT.B
Calcium-ammonium exchange equilibria in three soil clays of Mysore State. Biddappa, C C; Mithyantha, M S; Rao, K B; Perur, N G *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 286-292. Ref. June 1974

030300 513 N212 PT.B
Classification and distribution of the soils of Punjab. Sehgal, J L *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 404-419. Map. Ref. Aug 1974

030301 513 N212 PT.B
Clay mineralogy of some Indian soils in relation to mineralogy of the sand and silt fractions. Datta, B; Das, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 132-137. Apr 1974

030302 513 N212 PT.B
Clay mineralogy of alluvial, red and lateritic soil profiles from West Bengal. Ghosh, S K; Sahu, S S; Das, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 200-208. Ref. Apr 1974

030303 513 N212 PT.B
Clay minerals in the altered wall-rocks of Mosabhoni coppermines, Singbhum District, Bihar. Rao, K K; Krishna Murti, G S R *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 212-215. Apr 1974

030304 513 N212 PT.B
Comparative cellulolytic ability of some litter-inhabiting fungi. Dwivedi, R S; Singh, V P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (4): 420-423. Aug 1974

030305 513 N212 PT.B
Determination of cation exchange capacity of clays as influenced by ion species. Tewari, S N; Mandal, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 282-285. June 1974

030306 513 N212 PT.B
Determination of the coating and cementing agents on some soil clays of Mysore. Reddy, M N; Biddappa, C C; Mithyantha, M S; Perur, N G *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 303-305. June 1974

030307 513 N212 PT.B
Effect of cation saturation and air-drying of samples on the diffractogram obtained from parallel-oriented specimen [Clay minerals]. Ghosh, S K; Tomar, K P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 270-281. Ref. June 1974

030308 513 N212 PT.B
Effect of weathering and parent materials on clay mineralisation: red ferruginous soils of humid tropics. Datta, B; Adhikari, M *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 182-191. Map. Ref. Apr 1974

030309 513 N212 PT.B
Genesis and distribution of clay minerals in catenary soils of Chatisgarh basin of Madhya Pradesh. Gawande, S P; Biswas, T D *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 192-199. Ref. Apr 1974

030310 513 N212 PT.B
Influence of chemical agents on weathering of silicate minerals [Clay minerals]. Adhikari, M; Majumdar, M K *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 262-269. Ref. June 1974

030311 513 N212 PT.B
Influence of clay on soil processes. Viswanath, G K; Pillai, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 167-181. Ref. Apr 1974

030312 513 N212 PT.B
Mineralogical composition of some red and black soils of India. Lotse, E G; Datta, N P; Tomar, K P; Motsara, M R *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 216-226. Ref. Apr 1974

030313 513 N212 PT.B
Mineralogical composition of soil clays of desert soils of Hanumangarh (Rajasthan). Nath, J; Das, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 231-233. Ref. Apr 1974

030314 513 N212 PT.B
Mineralogical distribution and soil formation of Hissar-II Block, Haryana. Singh, S; Garalapuri, V N; Khanna, S S *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 326-337. Ref. June 1974

030315 513 N212 PT.B
Mineralogy of a few basaltic soils of Madhya Pradesh. Singh, G; Krishna Murti, G S R *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 338-345. Ref. June 1974

030316 513 N212 PT.B
Nature and geographic distribution of clay minerals in soils of different moisture regimes in Punjab, Harayana and Himachal Pradesh. Sehgal, J L *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 151-159. Map. Ref. Apr 1974

030317 513 N212 PT.B
Newton's cooling coefficients of Uttar Pradesh soil clays in water media. De, S K; Tripathi, C M *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 306-310. Ref. June 1974

030318 513 N212 PT.B
Organic acids in soil during degradation of organic residues. Gaur, A C; Pareek, R P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (1): 68-76. Ref. Feb 1974

513 N212 PT.B
Paraquat adsorption on clay minerals. Mithyantha, M S; Rao, K B; Biddappa, C C; Lillaram, N T *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 293-298. Ref. June 1974

030319 513 N212 PT.B
Studies on the clay mineralogy of Orissa soils. Sahu, G C; Nanda, S S K *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 123-131. Ref. Apr 1974

030320 513 N212 PT.B
Study of electrochemical and physicochemical properties of clay minerals and their mixtures and of some soil clays to characterise their clay mineralogy. Sahu, S S; Das, S C *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 235-248. Ref. June 1974

030321 513 N212 PT.B
Study of soil clays from different sources of alluvial parent materials under varying rainfall conditions. Satyanarayana, K V S; Gupta, V K; Subrahmanyan, V; Krishna, G S R *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 119-122. Apr 1974

030322 513 N212 PT.B
Transformation of clay minerals under saline and alkali soil conditions. Raychaudhuri, S P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 315-319. Ref. June 1974

030323 513 N212 PT.B
X-ray and DTA characterisation of some vermiculites. Sinha, P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 320-325. June 1974

030324 513 N212 PT.B
X-ray investigation of clay minerals in the soils of West Bengal. Ghosh, S K; Datta, N P *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (2): 138-150. Ref. Apr 1974

030325 513 N212 PT.B
Zinc sorption on soil clays. Rao, K B; Biddappa, C C; Mithyantha, M S; Perur, N G *Proc Indian Natl Sci Acad, Part B Biol Sci* 40 (3): 299-302. June 1974

79.9 N213
Residual activity of atrazine, alachlor and linuron under different soil and climatic conditions. Rahman, A; Manson, B E; Burney, B; Whitham, J M *Proc N Z Weed Pest Control Conf* 28th: 104-108. Ref. 1975

030326 79.9 N213
The organic matter status of some mineral soils in New Zealand. Burney, B; Rahman, A; Oomen, G A C; Whitham, J M *Proc N Z Weed Pest Control Conf* 28th: 101-103. 1975

030327 S293.C6N31
An analysis of accumulation and decomposition of litter fall in hill evergreen forest Doi-Pui Chiengmai. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 40-43. Eng. Sum. 1974

030328 S293.C6N31
Inorganic phosphorus fractions of upland soils of Thailand. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 51-58. 1974

030329 QP801.P68P729
Encystment and germination in Azotobacter vinelandii [a nitrogen-fixing soil bacteria]. Sadoff, H L *Prostaglandins (Los Altos)* 39 (4): 516-539. Ref. Oct 1975

030330 382 P97
Transport mechanism in soil. Metabolism and movement of insecticides from soils into water and crop plants. Lichtenstein, E P *Pure Appl Chem* 42 (1/2): 113-118. 1975

030331 284.9 M58
An inventory of extractable boron in the profiles of soils used for corn production in Michigan. Robertson, L S; Mokma, D L; Knezek, B D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 287, 5 P. Aug 1975

030332 284.9 M58
Plant-available calcium, magnesium and sulfur levels in soils used for corn production in Michigan. Robertson, L S; Mokma, D L; Warncke, D D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 286, 5 P. Aug 1975

030333 S544.3.M6M6
The Montana Automated Data Processing System for soil inventories. Decker, G L; Nielsen, G A; Rogers, J W; Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 89, 77 P. 1975?

030334 SB29.K8A3
Study on mineral accumulation at the main vegetable production area [Soil analysis]. (Kor) Park, S K; Song, K W; Jeong, H J *Res Rep Off Rural Dev (Suwon)* 17: 33-42. Ref. Eng. Sum. Aug 1975

030335 SF1.R54
An irreplaceable ratio: fertility to organic matter [Soils]. (Ita) Piccolo, L *Rilancio Agric Vet Zootec* 6 (7): 30, 32-33. 1974

030336 20.5 R59 SER. C
Parameters characterizing soil in the traction equations [Tractors]. (Pol) Soltynski, A; Swiec, J *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 75-92. Eng. Sum. 1975

030337 20.5 R59 SER. C
Real conditions of mechanical similarity appearing while [bulldozing, compaction, shearing and friction] forces act on soil. (Pol) Mirecki, J; Soltynski, A; Swiech, J *Rocz Nauk Roln, Ser C Tech Roln* 71 (4): 45-74. Eng. Sum. 1975

030338 56.8 SO3
Electrical potentials during water entry into an air-dry mixture of sand and kaolinite [Soil-particle surfaces]. Swartzendruber, D; Gairon, S *Soil Sci* 120 (6): 407-411. Dec 1975

030339 56.8 SO3
In recognition of Marion L. Jackson on the occasion of his sixty-first birthday, November 30, 1975 [Soil scientists]. Hole, F D *Soil Sci* 120 (5): 323-326. Nov 1975

030340 56.8 SO3
Influence of temperature on the kinetics of rice straw decomposition in soils. Pal, D; Broadbent, F E; Mikkelsen, D S *Soil Sci* 120 (6): 442-449. Ref. Dec 1975

030341 56.8 SO3
Ion exchange removal of carbonates from saline calcareous soils prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. Abdel-Aal, S I; Bergseth, H *Soil Sci* 120 (5): 349-353. Ref. Nov 1975

030342 56.8 SO3
Orientation of clay particles as it relates to crusting of soil. Ferry, D M; Olsen, R A *Soil Sci* 120 (5): 367-375. Ref. Nov 1975

030343 56.8 SO3
Prediction of ion-exchange equilibria in aqueous systems with more than two counter-ions [Soils]. Elprince, A M; Babcock, K L *Soil Sci* 120 (5): 332-338. Ref. Nov 1975

030344 56.8 SO3
Scanning electron microscope (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to hydraulic conductivity. Chen, Y; Banin, A *Soil Sci* 120 (6): 428-436. Ref. Dec 1975

030345 56.8 SO3
Soils derived from volcanic ash in Central America. 2. Soils more developed than Andepts. Martini, J A; Jaramillo, L R *Soil Sci* 120 (5): 376-384. Ref. Nov 1975

030346 56.8 SO3
Temperature distributions [in air-dry and moist soil] under stones submitted to a diurnal heat wave. Mehuys, G R; Stolzy, L H; Letey, J *Soil Sci* 120 (6): 437-441. Dec 1975

030347 56.8 SO3
Tensiometer measurements in anisotropically loaded swelling soils. Mahony, J J *Soil Sci* 120 (6): 421-427. Ref. Dec 1975

030348 56.8 SO3
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in calcareous saline soil suspensions. Kaddah, M T *Soil Sci* 120 (6): 412-420. Ref. Dec 1975

030349 56.8 SO3
The hysteresis in the relationship between hydraulic conductivity and soil water content. Poulovassilis, A; Tzimas, E *Soil Sci* 120 (5): 327-331. Nov 1975

030350 56.8 SO3
Unsaturated flow mechanisms in low-swelling clays. Wong, H Y; Yong, R N *Soil Sci* 120 (5): 339-348. Ref. Nov 1975

030351 56.8 SO38
Behavior of phenolic substances in the decaying process of plants. III. Degradation pathway of phenolic acids [Rice straw]. Shindo, H; Kuwatsuka, S *Soil Sci Plant Nutr* 21 (3): 227-238. Sept 1975

030352 56.8 SO38
Influence of refuse gas formation on soils. (Ger) Fukushi, S; Shirai, K; Minami, K *Soil Sci Plant Nutr* 21 (3): 293-300. Sept 1975

030353 56.8 SO38
Relationships between the inorganic colloid and the parent material of some volcanic ash soils in Miyagi and Iwate prefectures, Japan. Mizota, C; Aomine, S *Soil Sci Plant Nutr* 21 (3): 201-214. Ref. Sept 1975

030354 290.8 SO3
Effect of submergence [of the soil] on bearing capacity. Krishnamurthy, S; Kameswara Rao, N S V *Soils Found* 15 (3): 61-66. Sept 1975

030355 290.8 SO3
Flow characteristics of clays. Sekiguchi, H *Soils Found* 15 (3): 67-78. Sept 1975

030356 290.8 SO3
Influence of degree of shear stress reversal on the liquefaction potential of saturated sand. Yoshimi, Y; Ohoka, H *Soils Found* 15 (3): 27-40. Ref. Sept 1975

030357 290.8 SO3
Lateral behavior of a double sheet pile wall structure [Soil reaction]. Sawaguchi, M *Soils Found* 15 (3): 70-71. Sept 1975

030358 290.8 SO3
On dynamic shear moduli and Poisson's ratios of soil deposits. Ohsaki, Y; Iwasaki, R *Soils Found* 15 (3): 68-70. Ref. Sept 1975

030359 290.8 SO3
On slip surface and slope stability analysis [Soil mechanics]. Chen, W F; Snitbhan, N *Soils Found* 15 (3): 41-49. Sept 1975

030360 290.8 SO3
One-dimensional volume change characteristics of sands under very low confining stresses. Yoshimi, Y; Kuwabara, F; Tokimatsu, K *Soils Found* 15 (3): 51-60. Sept 1975

030361 290.8 SO3
Stress-strain behaviour of a saturated clay for states below the state boundary surface. Balasubramaniam, A S *Soils Found* 15 (3): 13-25. Ref. Sept 1975

030362 100 OR3M
Soil temperature of Oregon's agricultural regions. Bates, E M comp; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 446, 37 P. Map. Nov 1975

030363 S590.S62
Adhesion and adsorption phenomena in soil conditioning. Schamp, N; Huylebroeck, J; Sadones, M *SSSA Spec Publ (Soil Sci Soc Am)* 7: 13-23. Ref. 1975

030364 S590.S62
Bentonite as a soil conditioner. Das, D K; Dakshinamurti, C *SSSA Spec Publ (Soil Sci Soc Am)* 7: 65-76. Ref. 1975

030365 S590.S62
Effect of bitumen emulsion and polyacrylamide on some physical properties of Venezuelan soils. Pla, I *SSSA Spec Publ (Soil Sci Soc Am)* 7: 35-46. Ref. 1975

030366 S590.S62
Infiltration, evaporation, and water movement as related to water repellency [Soils]. Debano, L F *SSSA Spec Publ (Soil Sci Soc Am)* 7: 155-164. Ref. 1975

030367 S590.S62
Occurrence and phenomenon of natural and fire-induced soil water repellency. Savage, S M *SSSA Spec Publ (Soil Sci Soc Am)* 7: 165-172. Ref. 1975

030368 S590.S62
Organic matter contribution to stability of soil structure. Hartge, K H *SSSA Spec Publ (Soil Sci Soc Am)* 7: 103-110. Ref. 1975

030369 S590.S62
Potential application of polyvinyl acetate and polyvinyl alcohol in the structural improvement of sodic soils. Carr, C E; Greenland, D J *SSSA Spec Publ (Soil Sci Soc Am)* 7: 47-63. Ref. 1975

030370 S590.S62
Seedbeds and aggregate stability improved by rototilling wet soil. Hoyle, B J; Yamada, H *SSSA Spec Publ (Soil Sci Soc Am)* 7: 111-129. Ref. 1975

030371 S590.S62
The effect of organic polymers and hydrous iron oxides on the tensile strength of clays. Dowdy, R H *SSSA Spec Publ (Soil Sci Soc Am)* 7: 25-33. Ref. 1975

030372 S590.S62
Use of soil conditioners around the world. Boodt, M de *SSSA Spec Publ (Soil Sci Soc Am)* 7: 1-12. Ref. 1975

030373 68.19 M28
Certain physical properties of the soils of the northeastern regions of West Georgia [USSR]. (Rus) Ingorokva, B I *Subtrop Kul't* 1: 133-134. 1975

030374 68.19 M28
Material for agrochemical characteristics of alluvial soils of the Colchis lowland. (Rus) Lomtadze, Z K; Khurtsidze, A L; Sharvashidze, N S *Subtrop Kul't* 1: 103-105. 1975

030375 68.19 M28
Microbiological and fermentative activity of Gley-Podzol and Krasnozem soils under various moisture content. (Rus) Daraseliia, N A; Kalatozova, G B; Dzadzamiia, T D *Subtrop Kul't* 1: 122-125. 1975

030376 22.5 T574
Relationships between particle size and mineral composition of volcanic ashes [Soils]. Yamada, I; Shoji, S *Tohoku J Agric Res* 26 (1): 7-10. July 1975

030377 290.9 AM32T
Dynamic shear strength properties of unsaturated soils. Aref, K E; Chancellor, W J; Nielsen, D R *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 818-823. Ref. Sept/Oct 1975

030378 513 T64
Correlation of specific surface area of soils according to the BET theory with cation exchange capacity, water content at the suction of 15 atmosphere pressure. (Jpn) Kodani, Y; Kouno, H; Uchida, K *Trans Tottori Soc Agric Sci* 27: 129-135. Ref. Eng. Sum. Mar 1975

030379 331.9 M85
Manganese resources in soils and plants of the Altai Territory. (Rus) Gerasimova, M I; Dianova, T M; Patsukevich, Z V *Vestn Moskovsk Univ, Geogr* 3: 116-120. Maps. Eng. Sum. May/June 1975

030380 20 M66
Academician of the Academy of Sciences, Belorussian SSR, Pavel Prakopavich Rahavoi—on the occasion of his 80th anniversary [Soil scientists, agricultural chemists]. (Bel) *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 127-129. 1975

030381 20 M66
Quantitative characteristics of moisture contents of soils of the Belorussian Polesye. (Bel) Ramanava, T A; Papova, T S; Puchkarova, T N *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 45-48. 1975

030382 20 M66
Soils of light mechanical composition and cultivated pastures. (Bel) Horyna, E D; Skarapanau, S H *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 40-44. 1975

20 M66
The effect of prometryne on biological activity of the soil. (Bel) Padzionau, K P; Molchan, A P *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 49-51. 1975

030383 20 V82
Balance of soil moisture in grain-sugarbeet crop rotation. (Ukr) Rubin, S S; Danylevs'kyi, O P; IEshchenko, V O *Visn Sil's'kohospod Nauki* 6: 33-37. June 1975

20 V82
The effect of the structure of crop rotation on the composition of humus and nitrogen in soddy-podzolic soil. (Ukr) Staryns'kyi, H V *Visn Sil's'kohospod Nauki* 7: 46-48. July 1975

030384 20 V82
Using the coefficient of extinction in determining quality and quality of humus compounds by spectrophotometry in soils under irrigation for a long time. (Ukr) Boldyriev, A I; Kalmykov, V R; Safonova, O P *Visn Sil's'kohospod Nauki* 6: 84-88. June 1975

030385 GB746.W33
Hydrogeothermal methods of studying the percolation properties of soils of the zone of aeration. Frolov, N M *Water Resour* 1 (1): 112-121. Jan/Feb 1974 (Transl. 1975)

030386 292.9 AM34
Measurement of hydraulic conductivity and diffusivity for predicting the process of soil water infiltration from a trickle source. Ben-Asher, J; Diner, N; Brandt, A; Goldberg, D *Water Resour Bull* 11 (6): 1187-1196. Dec 1975

030387 292.8 W295
Coupled saturated-unsaturated transient [groundwater] flow in porous media: experimental and numeric model. Luthin, J N; Orhun, A; Taylor, G S *Water Resour Res* 11 (6): 973-978. Ref. Dec 1975

292.8 W295
Factors influencing infiltration and sediment production of semiarid rangelands in Nevada. Blackburn, W H *Water Resour Res* 11 (6): 929-937. Ref. Dec 1975

030388 292.8 W295
The use of a dependent domain model of hysteresis in numerical soil water studies. Lees, S J; Watson, K K *Water Resour Res* 11 (6): 943-948. Ref. Dec 1975

030389 292.8 W295
Transformations of fluxes and forces describing the simultaneous transport of water and heat in unsaturated porous media. Raats, P A C *Water Resour Res* 11 (6): 938-942. Ref. Dec 1975

79.8 W41
Napropamide adsorption, desorption, and movement in soils. Wu, C H; Buehring, N; Davidson, J M; Santelmann, P W *Weed Sci* 23 (6): 454-457. Ref. Nov 1975

030390 18 J825
The influence of agrochemical compounds and water supply on the breakdown of [wheat] straw in soil. (Ger) Schroder, D *Z Acker Pflanzenbau* 141 (3): 240-248. Ref. Eng. Sum. Oct 1975

030391 448.3 C33 (3)
Influence of biological activity in the soil by natural and municipal gas. (Ger) Kroger, K H *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 251-284. Ref. 1975

030392 448.3 C33 (3)
Radiation studies on Azotobacter chroococcum [soil bacteria]. III. Photoreactivation and mutagenicity. Ahmad, M H; Venkataraman, G S *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 293-295. 1975

030393 448.3 C33 (3)
Radiation studies on Azotobacter chroococcum [soil bacteria]. IV. Effect of a temporary block of DNA replication on excision repair. Ahmad, M H; Venkataraman, G S *Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt* 130 (3): 296-298. 1975

SOIL IMPROVEMENT MATERIALS

030394 80 AC82
Compost nutrient balance: effects on growth of tomato plants, fruit quality and yield. Wilson, G C S; McGregor, A J *Acta Hortic* 50: 89-99. Ref. May 1975

030395 80 AC82
Effect of manganese and sulphur fertilization on growth and yield of onions grown on alkaline low moor peat soil. Rumpel, J; Robak, J *Acta Hortic* 50: 35-43. May 1975

030396 80 AC82
Effects of fertilizers on fruit length and yield of ratoon Smooth Cayenne pineapple crop in Sierra Leone. Godfrey-Sam-Aggrey, W *Acta Hortic* 49: 237-243. July 1975

030397 80 AC82
Fertilising standards for potting composts based on the 1 : 1 1/2 volume extraction method of soil testing. Bik, R A; Boertje, G A *Acta Hortic* 50: 153-156. May 1975

030398 80 AC82
Field trials on Dwarf Cavendish bananas in southern Malawi. II. Fertilizers and mulching. Spurling, D; Spurling, A T *Acta Hortic* 49: 263-269. July 1975

030399 80 AC82
Flower crops in peat substrates. Pollock, R D *Acta Hortic* 51: 107-116. Aug 1975

030400 80 AC82
Fritted trace elements (F.T.E.) as a basic fertilizer for peat. Roll-Hansen, J *Acta Hortic* 50: 119-124. May 1975

030401 80 AC82
Influence of fertilizers on yield and quality of a young citrus orchard in Kenya. Gathungu, C N *Acta Hortic* 49: 209-213. July 1975

030402 80 AC82
Nitrogen fertilization in tulip bulb production in Japan. Tsutsui, K *Acta Hortic* 47: 347-352. June 1975

030403 80 AC82
Peat, [Pseudotsuga menziesii] bark and sawdust mixtures fornursery substrates. Maas, E F; Adamson, R M *Acta Hortic* 50: 147-151. May 1975

030404 80 AC82
Phosphorus fertilizer studies with Capsicum annuum L. (Sweet pepper). Vereecke, M *Acta Hortic* 50: 83-87. May 1975

030405 80 AC82
Potting substrates in the Netherlands [Composts with peat]. Boertje, G A; Bik, R A *Acta Hortic* 50: 135-142. Map. May 1975

030406 80 AC82
The use of decomposed pine bark [waste] as a substrate for growing Gerbera. Jesiotr, E; Strojny, Z; Saniewski, M *Acta Hortic* 51: 103-105. Aug 1975

030407 80 AC82
The use of slow release fertilizers in pot plant production [on peat and its mixtures with compost]. Kobel, F *Acta Hortic* 50: 131-134. May 1975

030408 80 AC82
Use of slow-release fertilizers in peat substrates [for growing horticultural crops]. Penningsfeld, F *Acta Hortic* 50: 125-129. May 1975

030409 80 AC82
Yield gradients in cocoa (Theobroma cacao L.)—shade and fertilizer experiments. Bonaparte, E E N A *Acta Hortic* 49: 251-257. July 1975

030410 HD1940.C95A1
Some physical properties of liquid manure. (Cze) Dockalova, I; Hruska, E *Acta Univ Agric, Fac Agroecon* 10 (14): 347-351. Eng. Sum. 1974

030411 HD1940.C95A1
Thermometric (enthalpimetric) determination of organic compounds with sulfidic sulphur by means of chloramine B. (Cze) Malingerova, N; Malinger, M *Acta Univ Agric, Fac Agroecon* 10 (4): 353-363. Ref. Eng. Sum. 1974

030412 10 G79LA
Magnesium fertilizers. *Advis Leafl Minist Agric Fish Food (Edinb)* 596, 5 P. Jan 1975

030413 30.98 AG8
From city to farm: urban wastes and the American farmer [Fertilizers utilization, history]. Tarr, J A *Agric Hist* 49 (4): 598-612. Ref. Oct 1975

381 AG85
Technical knowledge: key to fertilizer sales. Ambrose, D M *Agrichem Age* 18 (7): 12-15. Sept/Oct 1975

030414 4 AM34P
N [nitrogen] behavior under no-till vs. Conventional corn culture. I. First-year results using unlabeled N fertilizer. Bandel, V A; Dzienia, S; Stanford, G; Legg, J O *Agron J* 67 (6): 782-786. Ref. Nov/Dec 1975

030415 4 AM34P
Nodulation responses from nitrogen [fertilizer] applied to soybean half-root systems. Hinson, K *Agron J* 67 (6): 799-804. Ref. Nov/Dec 1975

4 AM34P
Phosphorus uptake by soybeans as influenced by [soil] moisture stress in the fertilized zone. Marais, J N; Wiersma, D *Agron J* 67 (6): 777-781. Ref. Nov/Dec 1975

4 AM34P
Spotted response of overseeded ryegrass [Lolium perenne] tosulfur-coated urea [Turfgrasses, fertilizers]. Volk, G M *Agron J* 67 (6): 838-840. Nov/Dec 1975

030416 97.31 AM32
Camellias and sulphur-coated urea [as source of slow-release nitrogen]. Ackerman, W L; Jayne, H T *Am Camel Yearb* P. 20-23. 1975

030417 97.31 AM32
Do you fertilize the Camellia plant, the soil or your ego? Reiners, J C *Am Camel Yearb* P. 220-222. 1975

030418 80 AM371
Tree responses to fertilizer treatments. Smith, E M *Am Nurserym* 142 (12): 12, 49-50. Dec 15, 1975

030419 S7.A755
The effect of slurry nitrogen in dependence on application date, straw manuring and catch-crop growing under different local conditions. (Ger) Asmus, F; Herrmann, V; Gorlitz, H; Lange, H; Waldert, B *Arch Acker- Pflanzenbau Bodenkd* 19 (6): 437-443. Eng. Sum. 1975

030420 100 AR42F
Response of nodulating and non-nodulating soybean isolines to applied nitrogen. Bhangoo, M S; Albritton, D J; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 14. Nov/Dec 1975

23 AU783
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. Stobbs, T H *Aust J Agric Res* 26 (6): 997-1007. Ref. Nov 1975

030421 57.9 AR1
Current problems in using liquid manures on grassland [Austria]. (Ger) Schechtner, G *Ber Arbeitstag Fragen Gulle* P. 71-117. Ref. 1974

030422 57.9 AR1
Effects of liquid manure management on the labor and economics of grassland and arable land farms [West Germany, Austria]. (Ger) Jungehulsing, H *Ber Arbeitstag Fragen Gulle* P. 397-409. Ref. 1974

030423 57.9 AR1
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on dairy cattle]. (Ger) Obritzhauser, W *Ber Arbeitstag Fragen Gulle* P. 195-206. 1974

030424 57.9 AR1
Pot experiments with oats on the influence of feed supplements on the fertilizer effect of [pouldtry and swine] excrements. (Ger) Tietjen, C *Ber Arbeitstag Fragen Gulle* P. 39-47. 1974

57.9 AR1
Simple ways of reducing odor during the storage and application of liquid manure to arable land. (Ger) Zeisig, H D *Ber Arbeitstag Fragen Gulle* P. 387-396. 1974

030425 57.9 AR1
Take notice of soil properties when applying liquid manures [Forage plants, yields]. (Ger) Kosmat, H *Ber Arbeitstag Fragen Gulle* P. 1-38. 1974

030426 57.9 AR1
Use of liquid manures for maize [Yields]. (Ger) Solotarev, E *Ber Arbeitstag Fragen Gulle* P. 127-162. Ref. 1974

030427 57.9 AR1
Use of liquid manure for potatoes [Yields, weed control]. (Ger) Halder, C *Ber Arbeitstag Fragen Gulle* P. 163-172. 1974

030428 66.8 B392
Poultry manure—its use in agriculture [Grasses, fertilizers]. Collins, D P *Biatas, The Tillage Farmer* 29 (8): 251-254. Nov 1975

030429 S560.B54
Muck-in the buildings and out in the fields [Fertilizers]. Butterworth, B *Big Farm Manage* P. 77-78, 81. Oct 1975

030430 275.29 AR42BU
Use animal manure effectively! [Cotton fertilizer]. Abbott, J L; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 55, Rev., 7 P. Summer 1975

030431 100 AL1S (1)
Field experiments with magnesium in Alabama—cotton, corn, soybeans, peanuts. Adams, F; Alabama Agricultural Experiment Station *Bull Agric Exp Stn Auburn Univ* 472, 17 P. Aug 1975

030432 100 C76ST (1)
The biochemistry and methodology of composting. Poincelot, R P; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 754, 18 P. Ref. Sept 1975

030433 93.33 SH62B
Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and compost of bark on citrus trees. (Jpn) Hisada, H; Ishida, T *Bull Shizuoka Prefect Citrus Exp Stn Komagoe Shimizu City Jap* 12: 1-9. Mar 1975

030434 450 C16
Effects of cattle dung and dung beetle [Onthophagus nuchicornis] activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. MacQueen, A; Beirne, B P *Can J Plant Sci* 55 (4): 961-967. Ref. Oct 1975

450 C16
Effects of nitrogen on the protein content of barley. Walker, D R *Can J Plant Sci* 55 (4): 873-879. Oct 1975

030435 450 C16
Effects of nitrogen and phosphorus on the yield and chemical composition of meadow foxtail [Alopecurus pratensis]. Van Adrichem, M C J; Tingle, J N *Can J Plant Sci* 55 (4): 949-954. Ref. Oct 1975

030436 450 C16
Nitrogen fertilization of maize in relation to spacing of raws. (Fre) Chamberland, E *Can J Plant Sci* 55 (4): 881-889. Ref. Eng. Sum. Oct 1975

030437 56.8 C162
Effects of fertilizer, barnyard manure, and crop residues on irrigated crop yields and soil chemical properties. Dubetz, S; Kozub, G C; Dormaar, J F *Can J Soil Sci* 55 (4): 481-490. Ref. Nov 1975

56.8 C162
Nitrification of [anaerobically digested] sewage sludge [in soil] using miscible displacement and perfusion techniques. Stewart, N E; Corke, C T; Beauchamp, E G; Webber, L R *Can J Soil Sci* 55 (4): 467-472. Nov 1975

030438 S590.C63
Effect on plant growth and nutrient uptake of a saturated gypsum solution given to a soil rich in Ca [calcium]. Jakobsen, S T *Commun Soil Sci Plant Anal* 6 (6): 571-584. Ref. 1975

030439 S590.C63
Response of rice to sulphur application under upland conditions. Osiname, O A; Kang, B T *Commun Soil Sci Plant Anal* 6 (6): 585-598. Ref. 1975

030440 S590.C63
Sources of error in the determination of Cd [cadmium] and Pb [lead] in plant material by atomic absorption [Foliar analysis]. De Vries, M P C; Tiller, K G; Beckwith, R S *Commun Soil Sci Plant Anal* 6 (6): 629-640. Ref. 1975

030441 SB415.C625
Phosphorus in green house soils. Griffin, G F; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 12-13. Sept 1975

030442 SB251.I5C6
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the yield of American cotton variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. Mukerji, N; Prakash, O *Cotton Dev* 4 (3): 15-18. Oct 1974

030443 QH540.E2
Putting waste water to work [Fertilizer utilization]. Hills, L D *Ecologist* 5 (8): 344-346. Nov 1975

030444 S631.A8
Fertilizer applications to rice in Taiwan. Su, N R *Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 60, 32 P. Ref. Oct 1975

030445 S631.A8
Recent fertilizer problems in Asia. Uexkull, H R von *Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 59, 61 P. Sept 1975

030446 S631.A8
Utilization and maintenance of the natural fertility of paddy soils [Plant residues, green manures]. Chang, S C *Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 61, 25 P. Ref. Oct 1975

030447 HD9016.I4F3
Harnessing atmospheric nitrogen for agriculture [Fertilizers]. Patel, A R *Farm Fact* 9 (9): 6-11. July 1975

030448 TX341.F3
Lime and fertilisers are essential for progress in farming. Murphy, W E; Brogan, J C *Farm Food Res* 6 (4): 76-78. July/Aug 1975

030449 S19.F37
Concentrated organic manures—an answer to fertilizer crisis. Gaur, B L; Mathur, M K *Farmer Parliament* 10 (5): 17-18, 29-30. May 1975

030450 S19.F37
Harnessing atmospheric nitrogen for agriculture. Patel, A R *Farmer Parliament* 10 (4): 13-14, 22. Apr 1975

030451 57.8 F4123
Effect of foliar fertilisation on yield and quality of rainfed Cambodia cotton. Ramanathapillai, O; Sivasubramanian, V; Srinivasan, S; Janagarajan, A *Fert News* 20 (8): 27-28. Aug 1975

030452 57.8 F4123
Effect of method [split application] and levels of potassium on tuber efficiency and rate of bulking in potato varieties. Shukla, D N; Singh, S J *Fert News* 20 (8): 29-30. Aug 1975

030453 57.8 F4123
Fertiliser consumption in India. Estimates for 1978-79 and 1983-84. *Fert News* 20 (8): 10, 24. Aug 1975

030454 57.8 F4123
Fertiliser marketing; need for a new concept. Heredia, F J *Fert News* 20 (8): 3-6, 19. Aug 1975

57.8 F4123
Minimising pollution from fertiliser plants. *Fert News* 20 (8): 11-19. Aug 1975

030455 57.8 F4123
Review of fertiliser marketing situation in India in 1974-75. *Fert News* 20 (8): 7-9. Aug 1975

030456 57.8 F4123
Use of straw for a potential slow-release nitrogen source for rice. Shinde, J E; Vamadevan, V K; Chakravarti, S P; Asthana, D C *Fert News* 20 (8): 25-26. Aug 1975

030457 57.8 F4123
Using anhydrous ammonia in sugarcane. Srivastava, S C; Lal, N *Fert News* 20 (8): 22-24. Aug 1975

030458 99.8 F775
Economics of fertilizing pine [Pinus] stands in the Oberpfalz using calcium-ammonium nitrate. (Ger) Kroth, W *Forstwiss Centralbl* 94 (6): 324-333. Ref. Eng. Sum. Nov 1975

030459 99.8 F775
Effect of a large area nitrogen fertilization by airplane on volume increment of pine [Pinus] stands in the Bodenwohr Forestry District in Bavaria. (Ger) Franz, F; Bierstedt, W *Forstwiss Centralbl* 94 (6): 310-324. Ref. Eng. Sum. Nov 1975

030460 99.8 F775
Effects of timing of fertilization of young spruce [Picea]. (Ger) Gussone, H A; Zottl, H W *Forstwiss Centralbl* 94 (6): 334-343. Ref. Eng. Sum. Nov 1975

030461 100 G295
Fertilization of double cropping and no-till systems: a review and a projection [Maize]. Gallaher, R N; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 14-20, 27. Ref. Summer 1975

030462 100 G295
The calcium, magnesium and micronutrient contents of agricultural liming materials available to Georgia farmers. Jones, L S; Anderson, O E; Jones, J B Jr; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 21-23. Summer 1975

030463 SB387.A1G7
Treating potassium deficiency; a summary of recent investigations. Christensen, P; Swanson, F; California University, Berkeley Agricultural Extension Service *Grapevine Calif Univ Berkeley Agric Ext Serv* 3 P. Dec 1, 1975

030464 26 H27
Mulching sheets with special properties. (Heb) Gilead, D *Hassadeh* 56 (1): 117-118, 121-122. Oct 1975

030465 26 H27
Use of auxin-like substances for preventing damage from, and increasing efficacy of, nitrogen applied in large doses. (Heb) Ratner, Y *Hassadeh* 56 (1): 108-113. Ref. Oct 1975

030466 S279.B225
Micronutrient research in soils and [deficiency symptoms in] plants in India: a review. Kanwar, J S; Randhawa, N S *ICAR Tech Bull Indian Counc Agric Res* 50, Rev., 185 P. Maps. Ref. Dec 1974

030467 SB110.G8
Role of mulches in dryland agriculture. Unger, P W *In Physiological Aspects of Dryland Farming. U. S. Gupta, Ed.* P. 237-258. Ref. 1975

030468 S3.I5
Distribution of nitrogen in different plant parts of sorghum and amino acid composition of its grain as affected by foliar application of urea. Gupta, A K; Gupta, Y P *Indian J Agric Res* 9 (1/2): 31-36. Ref. Mar/June 1975

030469 S3.I5
Note on the rubidium as a substitute for potassium in barley crop [Fertilizers]. Kumar, V; Singh, V P *Indian J Agric Res* 8 (4): 264. Dec 1974

030470 S3.I5
Note on the [yield] response of hybrid bajra-4 [pearlmillet] to different levels of nitrogen. Verma, K S *Indian J Agric Res* 8 (4): 260-261. Dec 1974

030471 S3.I5
Shift in cropping pattern as a result of scarcity of fertilizers. Garg, J S *Indian J Agric Res* 9 (1/2): 87-90. Mar/June 1975

030472 80 IN2
Effect of nitrogen and phosphorus fertilization on seed yield of late cauliflower—(Brassica oleracea var. botrytis). Gill, H S; Thakur, P C; Bhullar, B S *Indian J Hortic* 32 (1/2): 94-97. Mar/June 1975

030473 80 IN2
Effect of urea and boron on the quality of grapes. Ravel, P; Leela, D *Indian J Hortic* 32 (1/2): 58-60. Mar/June 1975

030474 425.8 IN22
The importance of nitrogen planning in sericulture [Morus, fertilizers]. Iyengar, M N S *Indian Silk* 14 (2): 7-9. June 1975

030475 102.5 P413
Performance of the new wheat variety Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 [Nitrogen and phosphorus fertilizers]. (Spa) Senigagliesi, C; Torres, C; Bercini, R; Mattioli, A *Inf Tec Argent Repub Estac Exp Agropecu Pergamino* 127, 13 P. Eng. Sum. Nov 1974

030476 10 J822
Comparison of sulphur-coasted urea and ammonium sulphate amended with N-Serve as sources of nitrogen for sugarcane. Dalal, R C; Prasad, M *J Agric Sci (Camb)* 85 (3): 427-433. Ref. Dec 1975

030477 10 J822
Components of test weight of ten varieties of winter wheat grown with two rates of nitrogen fertilizer application. Pushman, F M; Bingham, J *J Agric Sci (Camb)* 85 (3): 559-563. Ref. Dec 1975

030478 10 J822
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] fertilizer on yield, tuber size and N, P and K contents of three potato varieties. Widdowson, F V; Penny, A *J Agric Sci (Camb)* 85 (3): 515-525. Ref. Dec 1975

030479 10 J822
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. Penny, A; Jenkyn, J F *J Agric Sci (Camb)* 85 (3): 533-539. Dec 1975

030480 381 AS7
Formaldehyde titration method for the determination of ammoniacal nitrogen in phosphate fertilizers. Anjaneyulu, T S R *J Assoc Off Anal Chem* 58 (6): 1194-1196. Nov 1975

030481 80 J825
The effect of orchard factors on the chemical composition of apples. IV. Some effects of soil management and NPK [nitrogen, phosphorus, potassium] fertilizers. Perring, M A *J Hortic Sci* 50 (4): 425-433. Ref. Oct 1975

80 J825
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from bark and wood of apple shoots. O'Kennedy, B T; Hennerty, M J; Titus, J S *J Hortic Sci* 50 (4): 331-338. Ref. Oct 1975

030482 56.9 IN2
Amounts of nutrients for crops grown in pot experiments-rice [Fertilizers]. Terman, G L *J Indian Soc Soil Sci* 23 (2): 268-269. June 1975

030483 56.9 IN2
Direct and residual effect of green manures and other organic residues on soil aggregation and potato yield. Verma, S M; Josan, A S *J Indian Soc Soil Sci* 23 (2): 259-262. June 1975

56.9 IN2
Soil-moisture studies in fallow-barley rotation under mulches, antitranspirant and type of seed bed. Ali, M; Prasad, R *J Indian Soc Soil Sci* 23 (2): 163-171. Ref. June 1975

030484 382 SO12
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. Nowakowski, T Z; Bolton, J; Lazarus, W *J Sci Food Agric* 26 (10): 1483-1492. Ref. Oct 1975

030485 410 J827
Response of Japanese honeysuckle [Lonicera japonica] to fertilization. Segelquist, C A; Rogers, M J *J Wildl Manage* 39 (4): 769-775. Ref. Oct 1975

030486 75.8 K147
Application of fertilizers to different cabbage varieties in a flood plain. (Rus) IAshina, Z; Borisov, V *Kartofel Ovoschi* 5: 26. May 1975

030487 75.8 K147
Fertilizer application and sweet corn yield. (Rus) Tolstykh, G *Kartofel Ovoschi* 6: 30. June 1975

030488 75.8 K147
Influence of micronutrients on cucumber yields. (Rus) Orlov, V; Gramolina, M *Kartofel Ovoschi* 5: 33. May 1975

030489 75.8 K147
Nutrition of greenhouse cucumbers on peat substrates [Mineral fertilizers]. (Rus) Kopova, L *Kartofel' Ovoschi* 1: 19-22. Jan 1975

030490 72.8 K522
Fertilizers for cotton under the conditions of the Shirvan Steppe. (Rus) Rzaev, I T; Khalilov, IU S; Magerramov, Z I; Mamedov, M A; Aleskerov, T A; Butaev, B Sh *Khlopkovodsto* 5: 21-22. May 1975

030491 72.8 K522
Rates and ratios of mineral fertilizers on meadow soils. (Rus) Dzhalilov, M Kh *Khlopkovodsto* 6: 43. June 1975

030492 72.8 K522
The effect of concentrated fertilizers on the quality of [cotton] fiber. (Rus) Bairamova, M E *Khlopkovodsto* 9: 40. Sept 1975

030493 99.8 L5622
Application of mineral fertilizers in forests of the USSR. (Rus) Shumakov, V S *Lesn Khoz* 10: 37-40. Oct 1975

030494 99.8 L5622
Application of fertilizers in pine stands with the use of aircraft. (Rus) Zvirbul', A P *Lesn Khoz* 10: 50-53. Oct 1975

030495 99.8 L5622
Mineral fertilizers in the forestry of Latvia. (Rus) Satsenieks, R IA; Kapost, V IA *Lesn Khoz* 10: 41-44. Oct 1975

030496 99.8 L5622
Mineral fertilizer requirements of pine in the forests of Estonia. (Rus) Raid, L K *Lesn Khoz* 10: 45-48. Oct 1975

030497 58.9 J762
Bulk handling of fertilizers. (Swe) Nilsson, E *Medd Jordbruktek Inst* 358, 70 P. Eng. Sum. 1975

030498 464.9 W525M
Nitrogen responsiveness of two lowland rice varieties under five management practices. Williams, A *Memo Niger Dep Agric Res* 112, 7 P. May 1975

030499 20 M57
Agrochemical servicing of collective farms and state farms of Belorussia [Fertilizers]. (Rus) Kulakovskaia, T *Mezhdunar S-kh Zh* 6: 25-29. 1975

030500 20 M57
Development and putting into practice of recommendations for fertilizer application [in East Germany]. (Rus) Witter, V; Kolbe, G *Mezhdunar S-kh Zh* 6: 33-37. 1975

030501 20 M57
Development of the activity of agrochemical enterprises in Czechoslovakia. (Rus) Stepan, M *Mezhdunar S-kh Zh* 6: 42-45. 1975

030502 20 M57
Mineral fertilizers—a basis for increasing productivity of agriculture. (Rus) Pannikov, V *Mezhdunar S-kh Zh* 6: 37-41. 1975

58.9 B85M
Relations between the mechanization and the mechanical features of fertilizers. (Hun) Demes, Gy *Mezogazd Gepesitesi Tanulmanyok Mezogazd Gepkiserleti Intez* 22 (6), 35 P. Eng. Sum. 1975

030503 QK600.M5
The effect of fertilizers on the yield of mushrooms in pine forests located in the region along the middle part of Angara River. (Rus) Kutaf'eva, N P *Mikol Fitopatol* 9 (4): 288-293. 1975

030504 514 N482
Kelp extract as fertiliser. 2. Effect on chemical composition and element uptake of white clover. Goh, K M; Whitton, J S *N Z J Sci* 18 (3): 391-403. Ref. Sep 1975

030505 294.8 P56
French potash in 1974. *Phospho Potas* 79: 36-37. Sept/Oct 1975

030506 294.8 P56
Phosphate developments in Eastern Siberia [fertilizer production]. *Phospho Potas* 79: 24. Map. Sept/Oct 1975

030507 294.8 P56
Removing magnesium from wet-process acid with fluosilicate [fertilizers]. *Phospho Potas* 79: 25-27. Sept/Oct 1975

030508 294.8 P56
Scandinavian fertilizer industry, 1974. *Phospho Potas* 79: 32-34. Map. Sept/Oct 1975

030509 275.29 IO9PA
Economics of nitrogen fertilizer for corn [Costs]. Voss, R D; Pesek, J T; Webb, J R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 651, 12 P. Oct 1975

030510 S293.C6N31
Effects of nitrogen fertilizer on corn. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 34-39. Ref. 1974

030511 S293.C6N31
Nitrogen response of rice. (Tha) *Proc Natl Conf Agric Biol Sci* 13: 64-77. Eng. Sum. 1974

030512 SB23.C6A3
Annotated bibliography on manurial requirements of pumpkin, squash, watermelon and muskmelon, 1969-1974. *Query File Commonw Bur Hortic Plant Crops* 23/75, 6 P. Oct 1975

030513 S537.M3A24
Nevada meadow improvement [Fertilizers]. Hackett, I; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 25-26. Feb 1975

030514 56.9 G892
Influence of nitrogen fertilization, spraying of calcium nitrate, thinning, and time of harvesting on James Grieve [variety of] apples. (Dut) Boon, J van der; Pouwer, A *Rapp IB (Inst Bodemvruchbaar Haren Gr)* 3-74, 51 P. 1974

030515 SF191.P74
Nitrogen fertilization of grassland in the spring. Report of research during the period 1971-1973. (Dut) Woldring, J J *Rapp Proefstn Rundveehouderij* 33, 25 P. Eng. Sum. July 1975

030516 100 K41 (3)
Annual report analyses of official fertilizer samples, July1974-June 1975. Terry, D L comp; Kentucky Agricultural Experiment Station *Regul Bull Ky Agric Exp Stn* 220, 94 P. Nov 1975

030517 S15.R46
Contribution for stimulating fertilizer consumption in developing countries. (Por) Almeida, J M R *Reordenamento* 37: 16-21. Jan/Feb 1975

030518 284.9 M58
Test levels in soil profiles of Michigan corn fields. Robertson, L S; Mokma, D L; Warncke, D D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 281, 8 P. Ref. July 1975

030519 9.2 C332
Effect of levels and way of fertilizer application on okra seed germination. (Por) Campos, J P de; Couto, F A A; Casali, V W D *Rev Ceres* 22 (121): 187-193. Ref. Eng. Sum. May/June 1975

030520 SF1.R54
Application of liquid fertilizers. (Ita) Olivelli, V *Rilancio Agric Vet Zootec* 6 (5/6): 4-5. 1974

030521 80 SCH9
Nutrient supply of Zurich grape soils [Fertilization]. (Ger) Pfenninger, K *Schweiz Z Obst Weinbau* 111 (21): 530-534. Oct 4, 1975

030522 100 P381S
Soils affect efficiency of nitrogen fertilizers [Maize]. Shuford, J; Baker, D E; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 8-9. Fall 1975

030523 SB183.S3
Green manuring in hop gardens. Skoda, V *Sci Agric Bohemoslov* 7 (1): 35-47. Ref. 1975

030524 Q1.A3S4
The effect of fertilizers on sclerophyll (heath) vegetation-the problems of revegetation after sand-mining of high dunes. Specht, R L *Search, Sci Technol Soc* 6 (11/12): 459-461. Nov/Dec 1975

030525 9.3 SI4
Periods for urea application to the soils of peach orchards. (Spa) Razeto M, B; Rojas Z, S *Simiente* 45 (1): 40-42. Jan/Mar 1975

030526 SB52.U5S6
Influence of rate and placement of osmocote [slow-release fertilizer] on growth of container-grown Celosia argentia. Johnson, C R; Warden, G D *SNA Nursery Res J (South Nurserymen's Assoc)* 2 (1): 17-22. Nov 1975

030527 56.8 SO3
Changes in soil fertility under intensive rice cropping with improved varieties [Fertilizers]. De Datta, S K; Gomez, K A *Soil Sci* 120 (5): 361-366. Ref. Nov 1975

030528 56.8 SO3
Distribution of nitrogen forms in virgin and cultivated soils. Smith, S J; Young, L B *Soil Sci* 120 (5): 354-360. Ref. Nov 1975

030529 56.8 SO3
Relative mineralization rates of indigenous and recently incorporated 15N [nitrogen isotope]-labeled nitrogen [in soils]. Chichester, F W; Legg, J O; Stanford, G *Soil Sci* 120 (6): 455-460. Ref. Dec 1975

030530 56.8 SO38
Effect of organic matter application and water regimes on the transformation of fertilizer nitrogen in a Philippine soil. Yoshida, T; Padre, B C Jr *Soil Sci Plant Nutr* 21 (3): 281-292. Ref. Sept 1975

030531 56.8 SO38
Studies on the influence of a long term lime fertilization on the humus composition and carbohydrate content of rice soils. (Ger) Murayama, S; Inoko, A *Soil Sci Plant Nutr* 21 (3): 239-251. Ref. Sept 1975

030532 S590.S62
Shredded tree bark as a soil conditioner in potato soils of New Brunswick, Canada. Saini, G R; Hughes, D A *SSSA Spec Publ (Soil Sci Soc Am)* 7: 139-144. Ref. 1975

030533 S590.S62
The use of nonionic surfactants on soils. Letey, J *SSSA Spec Publ (Soil Sci Soc Am)* 7: 145-154. Ref. 1975

030534 68.19 M28
Certain peculiarities of growing geranium [Pelargonium] on meadow soils of the Gissar Valley in relation to the utilization of nitrogenous fertilizers. (Rus) Rasulov, K T *Subtrop Kul't* 1: 93-95. 1975

030535 68.19 M28
The effect of forms of nitrogenous fertilizers on agrochemical properties of brown forest soils and the yield of tea leaves. (Rus) Rikhter, M *Subtrop Kul't* 1: 33-36. 1975

030536 68.19 M28
The effect of fertilizers on the activity of invertase in Krasnozem soils. (Rus) Sanikidze, G S; Gogorikidze, N I *Subtrop Kul't* 1: 126-129. 1975

030537 68.19 M28
The effect of nitrogenous nutrition [fertilizers] on the formation and accumulation of catechins in tea leaves in relation to irrigation under the conditions of Imeretia [USSR]. (Rus) Torbini, V I; Tenieshvili, P P; Mgaloblishvili, T S; Dzhemukhadze, K M *Subtrop Kul't* 1: 40-42. 1975

030538 68.19 M28
The effect of potassium fertilizers on frost resistance of the mandarin orange tree. (Rus) Kharebava, L M *Subtrop Kul't* 1: 78-81. 1975

030539 68.19 M28
The effect of root and foliar nutrition on the growth, development and yield of mandarin orange fruits [Soil and foliardressing with fertilizers]. (Rus) Talakvadze, K B *Subtrop Kul't* 1: 71-72. 1975

030540 68.19 M28
The effect of various levels of phosphorus fertilizers on the development of the root system and above-ground parts of the tea plant. (Rus) Burchuladze, T E; Morchiladze, G M *Subtrop Kul't* 1: 37-39. 1975

030541 100 F66SU
Florida corn production: Are better yields coming? [Fertilizers]. Harrison, L; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 10-11. Fall 1975

030542 69.8 T112
Regularities in the action of fertilizers on growing tobacco in various zones. (Rus) Alekhin, S N; Belousov, V S; Negovelov, S F *Tabak* 2: 16-19. 1975

S631.A82
The developmental physiology and fertilizer requirements of Irish potatoes. Kushizaki, M *Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 24, 94 P. Ref. Sept 1975

030543 99.8 T62
Results of studying the application of fertilizers to poplars in pseudogley. (Cro) Zivanov, N *Topola* 18/19 (103/106): 125-128. Eng. Sum. July 1974/June 1975

030544 513 T64
Studies on the basal fertilizer for Easter lily (Lilium longiflorum Thunb.) bulb growing. (Jpn) Yamane, M; Nakazawa, H; Saito, T *Trans Tottori Soc Agric Sci* 27: 142-152. Mar 1975

030545 64.8 Z12
Application of nitrogen fertilizers to legumes. (Cze) Rubes, L *Uroda* 23 (7): 259-260. July 1975

030546 64.8 Z12
Application of magnesium fertilizers [in sugarbeets]. (Cze) Popovic, V *Uroda* 23 (8): 313-314. Aug 1975

030547 64.8 Z12
Experiments with scientific control of plant feeding on a Tachov branch farm [Mineral fertilizers, field crop yields]. (Cze) Janovec, J *Uroda* 23 (4): 156-158. Apr 1975

030548 64.8 Z12
Increase of soil fertilizity with green manures [Field crops]. (Cze) Cerny, V *Uroda* 23 (7): 269-271. July 1975

030549 64.8 Z12
Is is necessary to fertilize with sulfur? [Rape, mustard yields]. (Cze) Silar, J *Uroda* 23 (7): 266-267. July 1975

030550 64.8 Z12
Late nitrogen topdressing of winter wheat [Yields]. (Cze) Skala, J *Uroda* 23 (5): 168-169. May 1975

030551 64.8 Z12
Nitrogen topdressing of sugarbeets. (Cze) Fiedler, J *Uroda* 23 (5): 189-190. May 1975

030552 64.8 Z12
Optimization of fertilizer doses for topdressing of winter wheat after inorganic analysis of the plants for 1975. (Cze) Baier, J *Uroda* 23 (5): 174-176. May 1975

030553 64.8 Z12
Verification of effect of bacterial inoculation [of legumes] with the preparation Rizobin [Rhizobium]. (Cze) Kott, L *Uroda* 23 (8): 314-315. Aug 1975

030554 A99.9 F7622UN
Foliar nutrient variation in four species of upland oaks [Quercus]. Auchmoody, L R; Hammack, K P; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 331, 16 P. 1975

100 UT1F
Zinc dificiency in Utah field corn—its diagnosis and treatment. James, D W; Christensen, P D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 106-109. Sept 1975

030555 20 M66
Economic effectiveness of application of semi-liquid manure [Field crops]. (Bel) Perapialitsa, V M; Zhukava, I A *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 26-33. 1975

030556 20 M66
Effect of application dates for organic fertilizers on potato yields. (Bel) Nikitsina, M S; Valadz'ko, V K *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 79-82. 1975

030557 20 M66
Effect of liming peat-bog soils on change in their agrochemical indices and crop yields. (Bel) Bel'ski, B B; Zhylina, V S; Barylava, N H *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 63-69. 1975

030558 20 M66
Effect of nitrogen fertilizers on yield of winter crops grown in soddy-podzolic loamy soils of the Belorussian Polesye. (Bel) Shempel', V I; Kuntsevich, I A; Kazlouskaia, M P *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 56-62. 1975

030559 20 M66
Nitrogen, phosphorus and potassium balance in the agriculture of Gomel' Region. (Bel) Shkel', M P; Lebedzeu, E A *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 52-55. 1975

030560 20 M66
The effect of copper, cobalt and molibdenum microfertilizers on the yield and quality of buckwheat. (Bel) Ivanou, M P; Ivakhnenka, N M; Lobach, T IA; Vashkevich, L F; Svirnouski, L IA; Liakhovich, S R *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 75-78. Ref. 1975

030561 20 V82
Effect of mineral fertilizers on yield and quality of forage grass stands of cultivated pastures in the western forest-steppe region of the Ukraine. (Ukr) Horb, V D; Mel'nychuk, O P; IArmoliuk, M T; Liubchenko, L M; Lysyshak, H V *Visn Sil's'kohospod Nauki* 9: 107-109. Sept 1975

030562 20 V82
On fertilizing forage beets during the first years of development of peat soils in the western Ukrainian Polesye. (Ukr) Shevchenko, M N; Dudynets', F A *Visn Sil's'kohospod Nauki* 7: 58-62. July 1975

030563 20 V82
On the problem of fertilizers for fruit crops in the Ukraine. (Ukr) Popovych, P D; Skoryna, S O *Visn Sil's'kohospod Nauki* 6: 56-63. Map. June 1975

030564 20 V82
The application of mineral fertilizers to proso in the Ukrainian steppes. (Ukr) Kozyr, M F *Visn Sil's'kohospod Nauki* 7: 49-52. July 1975

030565 20 V82
Theoretical premises for repeated liming of soils. (Ukr) Mazur, H A; Simachyns'kyi, V M *Visn Sil's'kohospod Nauki* 6: 42-49. June 1975

030566 TD420.W36
Bioflocculation as means of improving the dewatering characteristics of activated sludges. Pitman, A R *Water Pollut Control* 74 (6): 688-700. Ref. 1975

030567 TD420.W36
Use of sewage sludge on agricultural land and the effects of metals on crops. Williams, J H *Water Pollut Control* 74 (6): 635-644. 1975

030568 18 J825
Nitrogen fertilizer management for cowpea (Vigna unguiculata) production in Sierra Leone. Godfrey-Sam-Aggrey, W *Z Acker Pflanzenbau* 141 (3): 169-177. Ref. Oct 1975

030569 18 J825
The estimation of interactions in NPK [nitrogen, phosphorus, potassium] manuring experiments with grain maize carried out over a number of years. (Ger) Schafer, P; Geidel, H *Z Acker Pflanzenbau* 141 (3): 187-196. Ref. Eng. Sum. Oct 1975

030570 18 J825
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). Ellen, J; Spiertz, J H J *Z Acker Pflanzenbau* 141 (3): 231-239. Ref. Oct 1975

030571 421 Z1
Hygiene during work with mineral fertilizers. (Rus) Tsapko, V G *Zashch Rast* 1: 32-33. Jan 1975

030572 449.8 AR2
Epidemiology of salmonellae [in cattle] and fertilizing of grassland with sewage sludge. (Ger) Hess, E; Breer, C *Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe B Hyg Prav Med* 161 (1): 54-60. Ref. Eng. Sum. 1975

030573 448.3 C33 (3)
Examination of relations between fertilizing and humic matters. (Ger) Freytag, H E; Muller, G *Zentralbl Bakteriol Parasitenkd Infektionskrankheiten Hyg II Naturwiss Abt* 130 (5): 477-485. Eng. Sum. 1975

030574 SB183.Z4
Application of fertilizers to irrigated lands of the Volga area [Cereal yields]. (Rus) Golubev, V D *Zernovoe Khoz* 6: 34. June 1975

030575 SB183.Z4
Effects of fertilizers and weather [Sunflower yields]. (Rus) Revenko, E I *Zernovoe Khoz* 6: 45-46. June 1975

030576 49 Z6
Removal and use of manure. (Rus) Zorin, I G *Zhivotnovodstvo* 8: 82-84. Aug 1975

030577 49 Z6
Utilization of manure on large farms and complexes [Composition, pollution]. (Rus) Gorin, V T *Zhivotnovodstvo* 6: 75-80. June 1975

030578 49 Z6
Yielding capacity of irrigated pasture and chemical composition of fodder according to the level of fertilizer application. (Rus) Mikheev, V A *Zhivotnovodstvo* 6: 40-42. June 1975

030579 65.8 Z82
Improvement of beet quality in the region of the Tulln sugar factory (Austria) [Fertilization]. (Ger) Wiklicky, L *Zucker* 28 (11): 616-619. Eng. Sum. Nov 1975

030580 65.8 Z82
Nitrogen fertilization of sugarbeet with regard to soil conditions and prognosis of fertilizer requirement. (Ger) Winner, C *Zucker* 28 (10): 563-572. Ref. Eng. Sum. Oct 1975

SOIL RESOURCES AND MANAGEMENT

030581 80 AC82
Mulching experiments in tulips, 1964-1971. Rasmussen, E *Acta Hortic* 47: 383-390. June 1975

SD1.B71
Effects of three forest species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. (Por) Barros, N F de; Brandi, R M *Bras Flores* 6 (21): 24-29. Ref. Eng. Sum. Jan/Mar 1975

030582 275.29 AR42BU
Management for the control of salts in irrigated soils. Fuller, W H; Halderman, A D; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 43, Rev., 11 P. 1975

030583 475 C482
Microbial ecology and erosion: domestication of soil microbes and erosion of the Plata River basin. (Spa) Molina, J S *Cienc Invest* 30 (9/10): 237-254. Ref. Sept/Oct 1974

030584 475 C482
Soil conservation: national problem [Argentina]. (Spa) Prego, A J *Cienc Invest* 30 (9/10): 255-264. Ref. Sept/Oct 1974

030585 475 C482
Soil erosion and conservation: pampean semiarid region [Argentina]. (Spa) Covas, G *Cienc Invest* 30 (9/10): 231-236. Sept/Oct 1974

030586 99.8 F713
The effects of soil treatments on forest soil properties in northern Finland. (Fin) Kauppila, A; Lahde, E *Folia For* 230, 29 P. Ref. Eng. Sum. 1975

030587 99.8 F775
Burning of soil, called Guie, in Ethiopia and its influence on soil and plants. (Ger) Wolde-Yohannes, L; Wehrmann, J *Forstwiss Centralbl* 94 (6): 288-300. Ref. Eng. Sum. Nov 1975

030588 26 H27
Soil cultivation: new implements and new and old problems. (Heb) Apt, Y *Hassadeh* 56 (1): 122-125. Oct 1975

030589 TA4.A453
Problems of soil mechanics and construction on structurally unstable and weak soils. Evdokimov, P D; Bushkanets, S S; Gol'din, A L; Lipovetskaya, T F *Hydrotech Constr* 1: 6-14. Jan 1975

030590 S3.I5
Note on the yield of jowar [durra] and groundnut and cost of tillage under various tillage systems. Srinivasamuthy, B K; Naravani, N B; Patil, R F *Indian J Agric Res* 8 (4): 262-263. Dec 1974

030591 S3.I5
Possibilities of reclamation of saline and alkali soils of arid salines of Saurashtra. Palkhiwala, A B; Shah, R K *Indian J Agric Res* 9 (1/2): 77-82. Ref. Mar/June 1975

030592 56.9 IN2
Influence of lime and phosphorus buildup on moisture retention characteristics of Hebbal Red loamy soils. Badanur, V P; Venkata Rao, B V *J Indian Soc Soil Sci* 23 (2): 212-216. June 1975

030593 1 AG84L
How to plan a shooting field in the Northeast and Corn Belt [Recreation]. Allan, P F; Dillon, O W Jr; Smith, H G; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 532, Slightly Rev., 8 P. Mar 1973

030594 S13.M4
Recultivation of ash deposits [Land reclamation, afforestation]. (Cze) Maly, V; Spirik, F *Metod Zavod Vysled Vyzk Praxe* 13/14, 55 P. Ref. 1975

030595 1 AG84M
Careers in Soil Conservation Service. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 717, Slightly Rev., 12 P. Dec 1975

030596 18 N39
Provide stable fissures [Soil management]. (Ger) Werminhausen, B *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1209-1210. Nov 20, 1975

030597 S19.O68
Experiences of desert improvement in the United Arab Republic: from projects to realizations. (Fre) Gumuchian, H *Options Mediterr* 5 (28): 57-63. Ref. 1975

030598 S19.O68
Suggestions for a strategy of development of arid pastoral and desert zones of Tunisia. (Fre) Ionesco, T *Options Mediterr* 5 (28): 82-88. 1975

030599 57.8 P34
Effect of rotary soil tillage on agrophysical soil properties and crop yields [Sugarbeets, wheat]. (Rus) Zabashtanskii, S A; Brazilevskii, V IU *Pochvovedenie* 10: 66-73. Eng. Sum. Oct 1975

030600 57.8 P34
Effectiveness of soil-protective crop rotations for erosion control in the forest-steppe zone of the Ukrainian SSR. (Rus) Skorodumov, A S; Zozulia, I IA *Pochvovedenie* 10: 97-105. Eng. Sum. Oct 1975

030601 57.8 P34
Results of using preparations of series K for control of soil erosion from irrigation. (Rus) Paganias, K P *Pochvovedenie* 10: 106-113. Ref. Eng. Sum. Oct 1975

030602 AHD28.P8
What audit means to the Kentucky State Conservationist, Soil Conservation Service. Murray, G E; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 8-9. Aug 1975

030603 100 AR42R
Use of no tillage in double-cropping wheat with soybeans or grain sorghum. Hinkle, D A; Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 223, 11 P. Sept 1975

030604 100 H313 (1)
Erosion losses from Hawaii soils under simulated rainfall. Dangler, E W; el-Swaify, S A; Barnett, A P; Hawaii Agricultural Experiment Station *Res Bull Hawaii Agric Exp Stn Univ Hawaii* 181, 81 P. May 1975

030605 60.9 C46
The role of trees in river bank control. Aspinall, J C *Rev Tussock Grassl Mt Lands Inst* 31: 44-48. 1975

030606 60.9 C46
The Torlesse research area. Hayward, J A *Rev Tussock Grassl Mt Lands Inst* 31: 53-63. Ref. 1975

030607 106 ES83
About certain initial provisions in choosing objects of reclamation reconstruction of fields. (Rus) Alekand, K; Paalmiae, V *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 14-22. Eng. Sum. 1975

030608 106 ES83
Problems of [land] reclamation and water management. IV. (Rus) *Sb Nauchn Tr Eest Pollumajanduse Akad* 98, 103 P. 1975

030609 106 ES83
Study of [seed] mixtures for hydrosowing [Perennial grassesand legumes, soil stabilization on slopes]. (Rus) Sepp, M *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 40-44. 1975

030610 106 ES83
Technology of clearing farm land reclaimed from brush in the Estonian SSR. (Rus) Laurand, IA *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 33-39. Map. 1975

030611 106 ES83
The analysis of losses of cultivated land on reclaimed areas. (Rus) Alekand, K; Kraak, V *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 27-33. 1975

030612 106 ES83
The methodology of reclamation and hydrogeology explorative investigations. (Rus) Kink, Kh *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 10-14. 1975

030613 SB183.S3
Ameliorating doses of fly ash in the soil-piant system. (Rus) Khrenekova, E *Sci Agric Bohemoslov* 7 (1): 1-9. Ref. Eng. Sum. 1975

030614 S590.S62
Erosion reduction factors for chemicaliy treated soils: a laboratory experiment. Gabriels, D; Boodt, M de *SSSA Spec Publ (Soil Sci Soc Am)* 7: 95-102. 1975

030615 S590.S62
Influence of surface treatment of selected subsoil materials on infiltration and erosion. Mausbach, M J; Shrader, W D *SSSA Spec Publ (Soil Sci Soc Am)* 7: 83-93. Ref. 1975

030616 S590.S62
Natural mulch or chemical conditioner for reducing soil erosion in humid tropical areas. Roose, E J *SSSA Spec Publ (Soil Sci Soc Am)* 7: 131-138. Ref. 1975

030617 S590.S62
Soil stabilizers to control wind erosion. Armsbrust, D V; Lyles, L *SSSA Spec Publ (Soil Sci Soc Am)* 7: 77-82. Ref. 1975

030618 68.19 M28
The effect of mulching of humus calcareous soils on the yield of mandarin oranges. (Rus) Chkheidze, T K; Akhaladze, V E *Subtrop Kul't* 1: 68-70. 1975

030619 58.9 L542
Soil and climatic characteristics of the Armavir wind corridor [Erosion]. (Rus) Spirin, A P; Gritsik, M I *Tr Vses Nauchno-Issled Inst Mekh Sel'sk Khoz* 61: 351-362. 1974

030620 290.9 AM32T
Effect of flow rate and canopy on rill [soil] erosion. Meyer, L D; Foster, G R; Nikolov, S *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 905-911. Ref. Sept/Oct 1975

030621 290.9 AM32T
Erosion control with no-till cropping practices. McGregor, K C; Greer, J D; Gurley, G E *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 918-920. Sept/Oct 1975

030622 S590.I5 1974A
Alterations in the soil reclamation status of lands due to irrigation from an earth-channel irrigation network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). (Rus) Matkarimov, V D *Trans Int Congr Soil Sci* 10th (V. 10): 187-192. Eng. Sum. 1974

030623 S590.I5 1974A
Reclamation of Solonetz soils affecting the A- and B-horizons. Bocskai, J *Trans Int Congr Soil Sci* 10th (V. 10): 57-64. 1974

030624 513 T64
Experimental studies of soil erosion in Daisen laom by surface water flow. (Jpn) Uchiida, K; Kouno, H; Kodani, Y *Trans Tottori Soc Agric Sci* 27: 136-141. Eng. Sum. Mar 1975

030625 19.5 C333
Contributions to the study of improving fertility of heavy soils in the Bulgarian People's Republic. (Slo) Guspan, J *Vestn Cesk Akad Zemed* 22 (1): 4-6. 1975

030626 20 M66
Effect of potassium fertilizers on the intensity of microbiological processes and fertility of lowland-type peat-bog soils. (Bel) Kaleshka, V I; Ivanou, M P *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 70-74. Ref. 1975

030627 20 M66
Problems of reclaiming the complex of soil variants. (Bel) Brazhunou, M A *Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk* 2: 34-39. 1975

030628 GB746.W33
Effect of soil erosion from basins on the sediment transport regime in rivers. Kurdyumov, L D *Water Resour* 1 (1): 133-136. Jan/Feb 1974 (Transl. 1975)

030629 SB183.Z4
New method of tillage of fallow soil planted to spring wheat [Soil management, wheat yields]. (Rus) Roktanen, L S; Stetsenko, V S *Zernovoe Khoz* 6: 24-26. June 1975

WATER RESOURCES AND MANAGEMENT

030630 HD1775.O503
Lake Wister: impact on recreational [and farm] use from raising the conservation pool elevation. Badger, D D *A E Pap Okla State Univ Dep Agric Econ* 7502, 16 P. Mar 10, 1975

281.9 C81A
Energy demand and water resource management: some economic aspects [Cost models]. Lyon, D K; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-32, 124 P. Maps. Ref. Dec 1975

030631 281.9 C81A
Impact of floods and flood management policy on area economic development and recovery. Boisvert, R N; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-31, 71 P. Map. Ref. Dec 1975

030632 80 AC82
The effects of irrigation frequency and cultivars on premature cracking and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. Abdel-Al, Z E *Acta Hortic* 49: 185-192. July 1975

030633 292.8 AD9
Modeling techniques for groundwater evaluation. Prickett, T A *Adv Hydrosci* 10: 1-143. Map. Ref. 1975

030634 1.98 AG84
New technique saves irrigation water [Beans]. U.S. Agricultural Research Service *Agric Res* 24 (7): 14. Jan 1976

030635 1.98 AG84
When soil water matters [Water resources]. U.S. Agricultural Research Service *Agric Res* 24 (6): 13. Dec 1975

030636 16 AG8226
Flow irrigation with an acclimatizing mist [Reforestation]. (Ita) Procaccini, F *Agricoltura* 23 (6): 35-39. June 1974

030637 16 T63
Development of irrigation and evolution of watering techniques. (Ita) Tournon, G *Ann Accad Agric Torino* 116: 1-19. 1973/1974

030638 100 C76ST (1)
Water chemistry and fertility of twenty-three Connecticut lakes. Norvell, W A; Frink, C R; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 759, 45 P. Map. Ref. Oct 1975

030639 100 L93 (1)
Middle Fork Bayou D'Arbonne Reservoir Project—Claiborne Parish, Louisiana: a feasibility and social impact study. Bertrand, A L; Louisiana Agricultural Experiment Station *Bull La Agric Exp Stn Dep Agron* 687, 31 P. Maps. Aug 1975

030640 100 N813
Production potential of sugarbeets under irrigation in the West Oakes Irrigation District [Yields]. Bauer, A; Heimbuch, T; Cassel, D K; Zimmerman, L; North Dakota Agricultural Experiment Station *Bull N D Agric Exp Stn* 498, 94 P. Ref. Aug 1975

030641 TD201.V57
Vertical electrical resistivity soundings to locate ground water resources: a feasibility study. Sabet, M A *Bull Water Resour Res Cent Va Polytech Inst State Univ* 73, 64 P. Maps. Ref. Nov 1975

100 C12CAG
Effect of water quality and irrigation frequency on farm income in the Imperial Valley. Noel, J; Moore, C V; Robinson, F; Snyder, J H; California Agricultural Experiment Station *Calif Agric* 29 (11): 12-14. Nov 1975

030642 100 C12CAG
Irrigating for maximum alfalfa seed yield. Hagemann, R W; Willardson, L S; Marsh, A W; Ehlig, C F; California Agricultural Experiment Station *Calif Agric* 29 (11): 14-15. Nov 1975

030643 450 C16
Steady state resistance to water flow in corn under well watered conditions. Dube, P A; Stevenson, K R; Thurtell, G W; Neumann, H H *Can J Plant Sci* 55 (4): 941-948. Ref. Oct 1975

030644 80 C49
Irrigation [Citrus]. Fisher, kJ *Citrus Ind* 56 (11): 3, 5-8, 10. Nov 1975

030645 80 C498
Unique irrigation system enhances Tampa citrus grove. Mahoney, M P *Citrus Veg Mag* 39 (4): 8, 24. Dec 1975

030646 SB251.I5C6
A device for saving irrigation water in cotton. Singh, A; Kairon, M S *Cotton Dev* 4 (3): 19-20. Oct 1974

030647 SF221.D38
Proper drainage is essential [Dairy farms]. Henderson, G *Dairyman (Armadale)* 1 (3): 19. May 1975

030648 TD202.E2
Policy followed in the matter of wter protection, quality control, present regulation. (Fre) Pelissier, F *Eau Amenagement Reg Provencale* 5: 9-12. Apr/June 1975

410 EC7
Streamflow chemistry and nutrient yields from upland-peatland watersheds in Minnesota. Verry, E S *Ecology (Durham)* 56 (5): 1149-1157. Ref. Summer 1975

030649 TD1.E58
Analysis of river water and drinking water from seven European Countries [Quality]. Anders, G *Environ Qual Saf* 4 (Suppl.): 143-156. Maps. 1975

030650 RA565.A1E5
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, algae, Elodea. Kinkade, M L; Erdman, H E *Environ Res* 10 (2): 308-313. Oct 1975

030651 20 V82
Principles of operational planning of technical servicing and equipping of livestock complexes. (Ukr) Sivanappan, R K; Finn, E A; Shcherbakov, S M *Farm Fact* 9: 106-107. Sept 1975

030652 100 G295
Irrigation for maximum yields [Economic crops]. Keisling, T; Smittle, D; Stansell, J; Walker, M; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 24-27. Summer 1975

030653 26 H27
Water from gravel. (Heb) Reiss, A *Hassadeh* 56 (1): 127-128, 131. Oct 1975

030654 1 AG84HG
Drainage around your home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 210, 8 P. Sept 1975

030655 410 H992
Vegetation changes in a shallow African lake: response of the vegetation to a recent dry period. Howard-Williams, C *Hydrobiologia* 47 (3/4): 381-397. Map. Ref. Dec 1, 1975

030656 TA4.A453
Basic directions of investigations for control and economy of water management. Beschinskii, A A; Reznikovskii, A Sh *Hydrotech Constr* 3: 215-219. Mar 1975

030657 TA4.A453
Improved utilization of water resources at hydroelectric plants. Vasilevskii, A G; Kazarov, S A; Shtern, E P *Hydrotech Constr* 1: 47-82. Jan 1975

030658 S3.I5
Evaluation of water use and management in Ayacut area of Sambalpur district (Orissa). Kumar, P *Indian J Agric Res* 9 (1/2): 71-76. Mar/June 1975

030659 S3.I5
Review of recent research on pulse crops. IV. Water management practices. Saraf, C S; Ahlawat, I P S *Indian J Agric Res* 9 (1/2): 1-6. Ref. Mar/June 1975

030660 S3.I5
Use of saline water for irrigated soils in arid & semi-arid zones of Rajasthan. Gupta, I C *Indian J Agric Res* 8 (4): 205-213. Ref. Dec 1974

030661 442.9 AK124
On the chemical characterization of water from collector-drainage system in the Mary and Chardzhou Regions. (Rus) Ermolaeva, P E *Izv Akad Nauk Turkm SSR, Ser Biol Nauk* 3: 35-40. Eng. Sum. 1975

030662 80 J825
Effect of irrigation regimes on trunk and fruit growth rates, quality and yield of apple trees. Assaf, R; Levin, I; Bravdo, B *J Hortic Sci* 50 (4): 481-493. Oct 1975

030663 292.8 J82
A finite-element approach to watershed runoff—a discussion. White, J K; Jayawardena, A W *J Hydrol* 27 (3/4): 357-358. Dec 1975

030664 292.8 J82
A modified Monte Carlo technique to compute Thiessen coefficients [Watersheds]. Shih, S F; Hamrick, R L *J Hydrol* 27 (3/4): 339-356. Maps. Ref. Dec 1975

030665 292.8 J82
Limestone drainage systems. Ede, D P *J Hydrol* 27 (3/4): 297-318. Map. Ref. Dec 1975

030666 292.8 J82
Present recharging demonstration by tritium of free groundwaters in the dry area of the sahara (Algeria). (Fre) Conrad, G; Marce, A; Olive, P *J Hydrol* 27 (3/4): 207-224. Maps. Ref. Eng. Sum. Dec 1975

030667 99.8 N62
Study of electrical drainage as applied to clay soil in a land creep zone. (Jpn) Yamaguchi, I; Nishio, K; Hsieh, H J *J Jap For Soc* 57 (10): 325-333. Eng. Sum. Oct 1975

030668 293.8 SE8
Dynamic water quality management strategies. Lettenmaier, D P; Burges, S J *J Water Pollut Control Fed* 47 (12): 2809-2819. Ref. Dec 1975

030669 75.8 K147
Care of the early potato under irrigation [Yields]. (Rus) Grinevich, V; Aiushin, N *Kartofel Ovoschi* 6: 13-14. June 1975

030670 75.8 K147
Production of vegetables on irrigated lands [Yields]. (Rus) Vykhodtsev, M *Kartofel Ovoschi* 5: 22-23. May 1975

030671 75.8 K147
Pulsating overhead irrigation and cabbage yields. (Rus) Vaneian, S; Ksenofontova, D *Kartofel Ovoschi* 5: 24-25. May 1975

030672 72.8 K522
A current problem—the reconstruction of intra-farm hydro-reclamation systems. (Rus) Rachinskii, A A *Khlopkovodsto* 9: 33-37. Sept 1975

030673 72.8 K522
Drainage—the major element of reclamation [in the new zone of the Golodnaya Step']. (Rus) Serebrennikov, F V *Khlopkovodsto* 8: 8-10. Aug 1975

030674 72.8 K522
Irrigation according to the concentration of cell sap [of cotton]. (Rus) IUzikaev, G G; IUzikaev, Sh G *Khlopkovodsto* 9: 46. Sept 1975

030675 72.8 K522
Irrigation of fine-fiber cotton in the Surkhan-Sherabad Valley. (Rus) Avliiakulov, A E *Khlopkovodsto* 5: 40-41. May 1975

030676 72.8 K522
Irrigation of permanent areas [Cotton]. (Rus) Dukhovnyi, V A; Bezuevskii, I L *Khlopkovodsto* 5: 37-39. May 1975

030677 72.8 K522
Irrigation rate according to the growth rate of alfalfa stems. (Rus) Barakaev, M B; Balaian, L N *Khlopkovodsto* 5: 17-18. May 1975

030678 72.8 K522
Irrigation regime of cotton in relation to vertical drainage. (Rus) Kim, A N *Khlopkovodsto* 8: 32-33. Aug 1975

030679 72.8 K522
Leveling of irrigated plots by the method of local optimization. (Rus) Dziadevich, I A *Khlopkovodsto* 6: 37-40. June 1975

030680 72.8 K522
Overhead irrigation on minor soils. (Rus) Talybov, G Kh *Khlopkovodsto* 8: 40. Aug 1975

030681 72.8 K522
Synchronous impulsive sprinkling. (Rus) Nosenko, V F; Danil'chenko, N V *Khlopkovodsto* 6: 41-42. June 1975

030682 72.8 K522
Technological schemes of [cotton] irrigation with the PPA-165 sprinkler. (Rus) Sarandi, A K; Mansurov, M S *Khlopkovodsto* 5: 33-35. May 1975

030683 72.8 K522
The change of the salt composition of reclaimed lands [in Azerbaijan]. (Rus) Agaev, B M; Veliev, M I *Khlopkovodsto* 9: 37-38. Sept 1975

030684 72.8 K522
The irrigation regime of fine-fiber cotton. (Rus) Mednis, M; Shakhobov, S; Ismatov, R; Sherbaev, S; Rakhmatov, I *Khlopkovodsto* 6: 17-18. June 1975

030685 72.8 K522
The problem of improving the irrigation technology of cotton. (Rus) Rudakov, G M *Khlopkovodsto* 6: 33-34. June 1975

030686 59.8 L39
Lines of credit for developing irrigation in Brazil. (Por) Mendes, F dos S *Lav Arroz* 28 (285): 41-44. June 1975

030687 59.8 L39
The Technical Irrigation Society, Limited. (Por) Resende, M H *Lav Arroz* 28 (285): 50-52. June 1975

030688 59.8 L39
Use of automatic siphons in rice irrigation. (Por) Silva, E M da; Spiro, D A *Lav Arroz* 28 (284): 25-28. Mar/Apr 1975

030689 1 AG84L
Maintaining watercourses. U.S. Dept. of Agriculture *Leafl U S Dep Agric* 562, 8 P. Nov 1975

030690 282.9 W12
Subsidence of peat soils under hydraulic fills [Drainage]. (Dut) Schothorst, C J *Meded Inst Cultuurtech Waterhuishoud* 151, 17 P. Eng. Sum. 1975

030691 18 N39
Soils determine drainage procedures. (Ger) Kuntze, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1198-1200. Nov 20, 1975

030692 18 N39
When planning [drainage] take cultural aspects into consideration. (Ger) Baitsch, B *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (22): 1206, 1208. Nov 20, 1975

030693 S542.A1N45
Irrigation of lucerne in its establishment season. Janson, C G *N Z J Exp Agric* 3 (3): 223-228. Sept 1975

030694 S19.O68
Some aspects of the development of Djerid zone South Tunisia [Water resources]. (Fre) Ricolvi, M *Options Mediterr* 5 (28): 89-93. Map. 1975

030695 S19.O68
Water management in arid zones: how to use surface water. (Fre) Damagnez, J *Options Mediterr* 5 (28): 35-41. 1975

030696 325.28 P56
LANDSAT measures of water clarity. Brooks, D J *Photogramm Eng Remote Sensing* 41 (10): 1269-1272. Map. Oct 1975

030697 407 G29PR
The 1973 Mississippi River basin flood: compilation and analyses of meteorologic, streamflow, and sediment data. Chin, E H; Skelton, J; Guy, H P *Prof Pap U S Geol Surv* 937, 137 P. Maps. Ref. 1975

030698 6 P9452
Irrigating from the underground [Costs]. Willett, G S; Hathorn, S Jr *Prog Agric Ariz* 27 (5): 1-5. Sept/Oct 1975

030699 S27.A3
A study of evaporation from a snowdrift. Rechard, P A; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 65-84. 1975

030700 S27.A3
An application of the aerial gamma monitoring techniques for measuring snow cover water equivalents on the Great Plains. Larson, L W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 31-44. Maps. 1975

030701 S27.A3
Estimating the transport and evaporation of blowing snow. Tabler, R D; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 85-104. 1975

030702 S27.A3
Measurement of winter precipitation in windswept areas. Rechard, P A; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 13-30. Maps. 1975

030703 S27.A3
Oversnow runoff events affect streamflow and water quality. Sturges, D L; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 105-117. 1975

030704 S27.A3
Problems in monitoring snowfall at Akron, Colorado. Greb, B W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 1-12. Map. 1975

030705 S27.A3
Snow management on the Great Plains; symposium. July 29, 1975, Bismark, North Dakota. Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73, 186 P. Maps. Ref. 1975

030706 S27.A3
Snow management on the Canadian prairies [as an additional source of soil moisture]. Nicholaichuk, W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 118-127. Maps. 1975

030707 S27.A3
Snow management on eastern Montana rangelands. Wight, J R; Neff, E L; Siddoway, R H; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 138-143. Ref. 1975

030708 S27.A3
Snow management for water conservation in Wyoming. Rauzi, F; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 180-186. 1975

030709 S27.A3
Snow research and predicition of snow melt runoff in Minnesota. Baker, D G; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 163-179. Maps. Ref. 1975

030710 S27.A3
Snow trapping and crop management with tall wheatgrass barriers in Montana [Soil water supplies]. Black, A L; Siddoway, F H; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 128-137. 1975

030711 S27.A3
Snowfall characteristics and snowmelt storage at Akron, Colorado. Greb, B W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 45-64. Ref. 1975

030712 S27.A3
Water conservation by snow management in North Dakota. Willis, W O; Frank, A B; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 155-162. Ref. 1975

030713 S27.A3
Windbreaks for snow management in North Dakota. Frank, A B; George, E J; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 144-154. Ref. 1975

030714 500 F66
Effluent irrigation as a physicochemical hydrodynamic problem. Overman, A R *Q J Fla Acad Sci* 38 (4): 215-222. Ref. Fall 1975

030715 S15.R46
Modest hydraulics in the service of the people: social and economic analysis of hydraulic operation of the lower Limpopo River [Water management, Mozambique]. (Por) Paiva, F M F *Reordenamento* 38: 25-29. (Concluded) Mar/Apr 1975

030716 S15.R46
Modest hydraulics in the service of the people: social and economic analysis of hydraulic operation [Water management, Mozambique]. (Por) Paiva, F M F *Reordenamento* 37: 3-9. (Continued) Jan/Feb 1975

030717 100 OH3S (2)
Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). Schwab, G O; Fausey, N R; Weaver, C R; Ohio Agricultural Research and Development Center *Res Bull Ohio Agric Res Dev Cent* 1081, 37 P. Nov 1975

030718 284.9 M58
Trickle irrigation: guidelines for use in the home garden. Kenworthy, A L; Motes, J E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 285, 7 P. July 1975

030719 60.9 C46
Some irrigation investigations in the Mackenzie Country. Scott, D; Clifford, P T P; Maunsell, L A; Archie, W J *Rev Tussock Grassl Mt Lands Inst* 31: 49-52. 1975

SF1.R54
Irrigation and pollution. (Ita) Martelli, A *Rilancio Agric Vet Zootec* 6 (5/6): 28-29. 1974

030720 S671.R5
The bias of an estimate of Gumbel's law parameters. Application to some river discharges [Hydrology]. (Ita) Moisello, U; Ubertini, L *Riv Ing Agrar* 6 (3): 127-136. Ref. Eng. Sum. Sept 1975

030721 106 ES83
The advancement of mechanization of drainage works in Estonia. (Rus) Kuum, IU *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 3-9. Eng. Sum. 1975

030722 106 ES83
The rational hydromodule and the irrigation rate for overhead watering of cultivated pastures. (Rus) Tamm, V *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 45-49. 1975

030723 106 ES83
The results of geological and hydrogeological field studies on subject "Fundamentals of geology and hydrogeology" for the period 1970-1973 [in Estonia]. (Rus) Kink, Kh; Miagi, K *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 78-86. 1975

030724 SB52.U5S6
Effects of irrigation on the [herbicide] movement of Treflan and Lasso in containers. Whitcomb, C E; Perryman, P E *SNA Nursery Res J (South Nurserymen's Assoc)* 2 (1): 1-9. Ref. Nov 1975

030725 HC110.E5S7
A water quality model for a conjunctive surface-groundwater system. Perez, A I; Huber, W C; Heaney, J P; Pyatt, E E *Socioecon Environ Stud Ser EPA- US Environ Prot Agency Off Res Dev* 600/5-74-013, 323 P. Map. Ref. May 1974

030726 100 G29SO
Evaluation of a model for simulating continuous streamflow from small watersheds. Shannholtz, V O; Carr, J C; Mississippi Agricultural Experiment Station; Arkansas Agricultural Experiment Station; Louisiana Agricultural Experiment Station; U.S. Soil Conservation Service *South Coop Ser Bull* 200, 159 P. Map. Ref. Aug 1975

030727 100 OR3M
A comparison of two drip irrigaton schedules with sprinkler irrigation in Thornless Evergreen blackberries. Martin, L W; Shearer, M N; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 1-4. Nov 1975

030728 100 OR3M
Drip irrigation progress report in the mid-Columbia area [Pears]. Mellenthin, W M; Wang, C Y; Kelly, S B; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 9-12. Nov 1975

030729 100 OR3M
Oregon's drip irrigation: 1974 research report [Pears]. Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444, 14 P. Nov 1975

030730 100 OR3M
Pear tree response to drip irrigation on Carney clay soil, second season 1974. Lombard, P B; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 13-14. Nov 1975

030731 100 OR3M
Scheduling drip irrigation with evaporation pans [Fruit]. Shearer, M N; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 5-8. Nov 1975

030732 S590.S62
Water harvesting from watersheds treated for water repellency. Fink, D H; Frasier, G W *SSSA Spec Publ (Soil Sci Soc Am)* 7: 173-182. Ref. 1975

030733 412.9 W754
Wisconsin's participation in the river basin commissions. Oghalai, R; Mullen, M *Tech Bull Dep Nat Resour (Madison)* 91, 12 P. Ref. 1975

030734 410 T272
Ground water map and the agriculture of the Great Plain [Hungary]. (Hun) Juhasz, A *Termeszettud Kozl* 10: 450. Oct 1975

030735 290.9 AM32T
Efficient reservoir design for playas of the Southern High Plains. Schneider, A D *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 892-896. Map. Ref. Sept/Oct 1975

030736 290.9 AM32T
Implications of floodwater-retarding structures. DeCoursey, D G *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 897-904. Map. Ref. Sept/Oct 1975

030737 290.9 AM32T
Optimization of water use efficiency under high frequency irrigation. I. Evapotranspiration and yield relationship. Howell, T A; Hiler, E A *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 873-878. Ref. Sept/Oct 1975

030738 290.9 AM32T
Optimization of water use efficiency under high frequency irrigation. II. System simulation and dynamic programming. Howell, T A; Hiler, E A; Reddell, D L *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 879-887. Ref. Sept/Oct 1975

030739 290.9 AM32T
Resistance to flow in a combined channel [Prediction of flood]. Rice, C E; Araveeporn, R *Trans ASAE Gen Ed (Am Soc Agric Eng)* 18 (5): 869-872. Sept/Oct 1975

030740 513 T64
Monthly precipitation characteristics in Tottori Prefecture. 1. Normalization of frequency distribution and proable monthly precipitation [for irrigation planning]. (Jpn) Nomura, Y; Shikasho, S; Inoue, M *Trans Tottori Soc Agric Sci* 27: 117-128. Maps. Eng. Sum. Mar 1975

030741 64.8 Z12
Irrigation of meadows [Forage plant yields]. (Cze) Haken, D; Sramek, J *Uroda* 23 (8): 309-311. Aug 1975

030742 64.8 Z12
Some principles of agrotechnics in the irrigation of silage maize. (Cze) Simon, J *Uroda* 23 (5): 193-194. May 1975

030743 100 UT1F
The Colorado River and agriculture/energy equations [Consumptive use of water]. Keith, J; Anderson, J; Gardner, B D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 104-105. Sept 1975

030744 95.8 V77
Effects of irrigation regimes on grape ripening [Composition]. (Rus) Mirzaev, A; Baliasnikova, T I *Vinodel Vinograd SSSR* 4: 26-28. 1975

030745 20 V82
Filters with a floating charge for purifying water in farm water supplies. (Ukr) Zhurba, M H *Visn Sil's'kohospod Nauki* 7: 69-74. July 1975

030746 20 V82
On the possible utilization of waters of the Kriviy Torets River for irrigation. (Ukr) Rus'ko, M P; Shkyria, M P *Visn Sil's'kohospod Nauki* 7: 63-69. July 1975

030747 20 V82
Utilizing waste waters of Voroshilovgrad for irrigation. (Ukr) Repetun, S I *Visn Sil's'kohospod Nauki* 9: 58-64. Sept 1975

030748 20 V82
Water-salt regime of soils of the Inguletskii irrigation system. (Ukr) Krasuts'ka, N V; Synytsyna, N P; Safonova, O P *Visn Sil's'kohospod Nauki* 9: 45-49. Sept 1975

030749 TD420.W36
Quality of water discharged from an urban motorway. Hedley, G; Lockley, J C *Water Pollut Control* 74 (6): 659-674. 1975

030750 GB746.W33
A hydrogeological study of artesian basins from data of surface geophysical investigations. Mel'kanovitskii, I M; Voronina, T N *Water Resour* 1 (3): 424-436. Ref. May/June 1974 (Transl 1975)

030751 GB746.W33
Analytic model of the structure of the water balance. Chernogaeva, G M *Water Resour* 1 (5): 657-661. Sept/Oct 1974

030752 GB746.W33
Clogging of screens and intake zones in collector wells [Groundwater]. Alekseev, V S; Kommunar, G M *Water Resour* 1 (5): 763-768. Ref. Sept/Oct 1974

030753 GB746.W33
Comprehensive evaluation of the effect of industrial activity on the regime of groundwater in the vicinity of reservoirs. Baron, V A; Garmonov, I V *Water Resour* 1 (5): 709-712. Sept/Oct 1974

030754 GB746.W33
Conditions of formation and regional evaluation of subsurface discharge in fold-mountain regions (as exemplified by the basin of the Chusovaya River in the middle Urals) [Groundwater]. Vsevolozhskaya, M A *Water Resour* 1 (5): 746-783. Map. Sept/Oct 1974

030755 GB746.W33
Consideration of the use of water resources in the USSR state water resources inventory system. Kolobaev, A N *Water Resour* 1 (5): 672-678. Sept/Oct 1974

030756 GB746.W33
Contribution of the Academy of Sciences of the USSR to the development of inland hydrology [Water resources]. L'vovich, M I; Fedoseev, I A *Water Resour* 1 (3): 323-334. May/June 1974 (Transl 1975)

030757 GB746.W33
Cybernetic principles of investigating problems of control of the movement of regional groundwater flows. Luckner, L *Water Resour* 1 (5): 729-738. Sept/Oct 1974

030758 GB746.W33
Development of biological productivity of African reservoirs. Musatov, A P *Water Resour* 1 (3): 453-463. Map. May/June 1974 (Transl 1975)

030759 GB746.W33
Effect of economic activity on the state of water resources in West Germany. Shenderuk, G N *Water Resour* 1 (1): 146-151. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Effect of forest management and improvement measures on river runoff. Idzon, P F *Water Resour* 1 (1): 35-54. Map. Ref. Jan/-Feb 1974 (Transl. 1975)

030760 GB746.W33
Effect of heated water of thermal electric power plants on the oxygen regime of a stream. Eremenko, E V; Sinel'shchikov, V S; Loskutov, N F *Water Resour* 1 (5): 774-779. Ref. Sept/Oct 1974

030761 GB746.W33
Effect of liman irrigation [snowmelt runoff] on soil moisture content and productivity of rangelands. Noskova, L V *Water Resour* 1 (1): 129-132. Jan/Feb 1974 (Transl. 1975)

030762 GB746.W33
Effect of ozonation in treating potable water. Krotkova, B K; Kovrizhnykh, S A; Rogacheva, A I; Ilyunina, G M; Loginova, E N *Water Resour* 1 (3): 381-384. May/June 1974 (Transl 1975)

030763 GB746.W33
Effect of the Kara-Kuma canal of the environment [Water management]. Kornilov, B A; Timoshkina, V A *Water Resour* 1 (3): 346-350. Ref. May/June 1974 (Transl 1975)

030764 GB746.W33
Estimate of annual runoff based on individual elements of the water and heat balances. Kulish, V P; Druzhinin, I P *Water Resour* 1 (1): 27-34. Ref. Jan/Feb 1974 (Transl. 1975)

030765 GB746.W33
Experience in mathematical representation of fluctuations of subterranean flow into rivers in the northwest part of the European Territory of the USSR (ETU). Velikina, G M; Ogil'vi, N A *Water Resour* 1 (5): 739-745. Ref. Sept/Oct 1974

030766 GB746.W33
Hydrogeology in the Academy of Sciences of the USSR. Garmonov, I V; Gordeev, D I; Kononov, V I; Zektser, I S *Water Resour* 1 (3): 339-345. May/June 1974 (Transl 1975)

030767 GB746.W33
Main trends and outlook for utilizing water resources of the USSR. Voznesenskii, A N; Gangardt, G G; Gerardi, I A *Water Resour* 1 (3): 315-322. May/June 1974 (Transl 1975)

030768 GB746.W33
Mathematical model for investigating problems of subsurface water dynamics (exemplified by the Ararat plain). Ananyan, A K; Vengrzhanovich, R N *Water Resour* 1 (3): 437-448. Maps. May/June 1974 (Transl 1975)

030769 GB746.W33
Method of determining the effectiveness of measures for protecting water supply. Levin, A P; Prokof'ev, V P; Demin, A P *Water Resour* 1 (3): 405-423. Ref. May/June 1974 (Transl 1975)

030770 GB746.W33
Principles of optimization of reservoir utilization regime. Fedorov, B G *Water Resour* 1 (3): 398-404. May/June 1974 (Transl 1975)

030771 GB746.W33
Problem of the use of subsurface waters for irrigation, exemplified by Uzbekistan. Mirzaev, S Sh *Water Resour* 1 (1): 68-81. Ref. Jan/Feb 1974 (Transl. 1975)

030772 GB746.W33
Problems and principles of optimizing water quality control programs. Kuzin, A K; Stanishevskii, S A *Water Resour* 1 (5): 720-728. Ref. Sept/Oct 1974

030773 GB746.W33
Some problems of the recreational use of multipurpose reservoirs near large cities (exemplified by Moscow). Saltankin, V P; Sharapov, V A *Water Resour* 1 (5): 694-701. Ref. Sept/Oct 1974

030774 GB746.W33
Some results of first comprehensive Volga expeditions of the Academy of Sciences of the USSR [Water resources]. Bolotina, O T *Water Resour* 1 (3): 351-356. Map. May/-June 1974 (Transl 1975)

030775 GB746.W33
Sources of Moscow's water supply. Ryabyshev, M G *Water Resour* 1 (3): 361-371. May/June 1974 (Transl 1975)

030776 GB746.W33
State Hydrology Institute [USSR, water resources]. Sokolov, A A; Vuglinskii, V S *Water Resour* 1 (3): 335-338. May/June 1974 (Transl 1975)

030777 GB746.W33
Studies carried out on Ukrainian surface water hydrochemistry. Denisova, A I; Nakhshina, E P *Water Resour* 1 (5): 662-671. Ref. Sept/Oct 1974

030778 GB746.W33
Study of the sources of entry of trace elements into rivers and processes of self-purification of water. Kuz'mina, N P; Krylova, A I *Water Resour* 1 (3): 449-452. May/June 1974 (Transl 1975)

030779 GB746.W33
Study of the subsurface water regime in Hyngary. Kovalevskii, V S *Water Resour* 1 (1): 141-145. Jan/Feb 1974 (Transl. 1975)

030780 GB746.W33
The effect of agricultural activity on the water balance. Perekhrest, S M *Water Resour* 1 (5): 644-656. Ref. Sept/Oct 1974

030781 GB746.W33
The Moscow canal—a large water-supply complex and its significance in the national economy. Bykov, L S *Water Resour* 1 (3): 372-380. Map. May/June 1974 (Transl 1975)

030782 GB746.W33
Theory of vertical hydrodynamic zonation of Artesian basinsof the platform type [Groundwater]. Vsevolozhskii, V A *Water Resour* 1 (1): 122-128. Ref. Jan/Feb 1974 (Transl. 1975)

030783 GB746.W33
Water balance investigations in regions of well-developed irrigated agriculture (exemplified by the Syr-Darya basin). Gel'bukh, T M; Dzhogan, L YA *Water Resour* 1 (1): 55-67. Ref. Jan/Feb 1974 (Transl. 1975)

030784 GB746.W33
Water consumption and provision of Moscow and the Moscow district in the future. Zabelin, V A; Rogachev, G P *Water Resour* 1 (5): 687-693. Map. Sept/Oct 1974

030785 292.9 AM34
Extraction and utilization of space acquired physiographic data for water resources development. Rango, A; Foster, J; Salomonson, V V *Water Resour Bull* 11 (6): 1245-1255. Dec 1975

292.9 AM34
The effects of dipotassium endothall [herbicides] on the zooplankton and water quality of a small pond. Serns, S L *Water Resour Bull* 11 (6): 1221-1231. Dec 1975

030786 292.9 AM34
Water quality perception by users: can it supplement objective water quality measures? Nicolson, J A; Mace, A C Jr *Water Resour Bull* 11 (6): 1197-1207. Dec 1975

030787 292.8 W295
A Bayesian approach to analyzing uncertainty among flood frequency models. Wood, E F; Rodriguez-Iturbe, I *Water Resour Res* 11 (6): 837-843. Ref. Dec 1975

030788 292.8 W295
An efficient transition definition for discrete state reservoir analysis: the divided interval technique. Doran, D G *Water Resour Res* 11 (6): 867-873. Ref. Dec 1975

030789 292.8 W295
Comment on 'Chance-constrained dynamic programing and optimization of water resource systems' by Arthur J. Askew. Sniedovich, M; Davis, D R *Water Resour Res* 11 (6): 1037-1038. Dec 1975

030790 292.8 W295
Economic assessment of an activity analysis model for water supply planning. Bishop, A B; Jensen, B C; Narayanan, R *Water Resour Res* 11 (6): 783-788. Ref. Dec 1975

030791 292.8 W295
Intervention analysis in water resources. Hipel, K W; Lennox, W C; Unny, T E; McLeod, A I *Water Resour Res* 11 (6): 855-861. Ref. Dec 1975

030792 292.8 W295
Models of land and water allocation to improve environment and water quality through soil loss controls. Heady, E O; Nicol, K J *Water Resour Res* 11 (6): 795-800. Maps. Dec 1975

030793 292.8 W295
Normal mode analysis of the linear equation of groundwater flow. Nutbrown, D A *Water Resour Res* 11 (6): 979-987. Dec 1975

030794 292.8 W295
Socioeconomic factors affecting domestic water demand in Israel. Darr, P; Feldman, S L; Kamen, C S *Water Resour Res* 11 (6): 805-809. Dec 1975

030795 292.8 W295
Stochastic reservoir models: relative computational effort. Roefs, T G; Guitron R, A *Water Resour Res* 11 (6): 801-804. Dec 1975

030796 292.8 W295
Using parametric models of runoff to improve parameter estimates for stochastic models [Water resource planning]. Carey, D I; Haan, C T *Water Resour Res* 11 (6): 874-878. Dec 1975

030797 292.8 W295
Water flow through a multilayer stratified hillside. Selim, H M *Water Resour Res* 11 (6): 949-957. Ref. Dec 1975

030798 281.8 W892
Water and the rice crop [Irrigation]. Grist, D H *World Crops* 27 (6): 254-255. Nov/Dec 1975

GENERAL NATURAL RESOURCES AND ENVIRONMENTAL POLLUTION

451 SO16
Tussilago farfara L.—a plant relatively resistant to industrial air pollution. Swieboda, M; Brunarska, Z *Acta Soc Bot Pol* 44 (2): 189-202. Ref. 1975

030799 1.98 AG84
Tracing mercury in a biosphere [Air pollution]. U.S. Agricultural Research Service *Agric Res* 24 (6): 12-13. Dec 1975

4 AM34P
Yield response to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of energy production waste waters]. Rykbost, K A; Boersma, L; Mack, H J; Schmisseur, W E *Agron J* 67 (6): 733-738. Ref. Nov/Dec 1975

4 AM34P
Yield response to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of energy production waste waters]. Rykbost, K A; Boersma, L; Mack, H J; Schmisseur, W E *Agron J* 67 (6): 738-743. Nov/Dec 1975

4 AM34P
Yield response [of field crops and vegetables] to soil warming: economic feasibility [of utilizing energy production waste waters]. Schmisseur, W E; Boersma, L; Rykbost, K A *Agron J* 67 (6): 794-798. Nov/Dec 1975

030800 13 G28
Cadmium in the environment. (Fre) Mathy, P *Ann Gembloux* 80 (4): 227-237. Ref. Fourth Quarter 1974

030801 QH540.A55
The impact of Robert MacAruthur [ecologist] on ecology. Fretwell, S D *Annu Rev Ecol Syst* 6: 1-13. Ref. 1975

030802 QK102.A65
Causes of decrease and disappearance of the seagrass Posidonia oceanica on the French Mediterranean coast [Pollution]. (Fre) Peres, J M; Picard, J *Aquat Bot* 1 (2): 133-139. Eng. Sum. June 1975

030803 RC963.A1A7
Particulates in domestic premises. II. Ambient levels and indoor-outdoor relationships [Air pollution]. Lefcoe, N M; Inculet, I I *Arch Environ Health* 30 (12): 585-570. Ref. Dec 1975

030804 TD881.A8
Confirming the local sources of observed air pollution in communities. Hogstrom, U *Atmos Environ* 9 (10): 923-929. Map. Oct 1975

030805 281.8 AU74
Pollution and resource allocation: comment. Richardson, R *Aust J Agric Econ* 19 (2): 119-121. Aug 1975

030806 281.8 AU74
Pollution and resource allocation: reply. Chisholm, T; Walsh, C; Brennan, G *Aust J Agric Econ* 19 (2): 122-124. Aug 1975

47.8 B26
Stroncium content of poultry bones and eggshell. (Hun) Szabo, A *Baromfiipar* 22 (9): 407-409. 1975

030807 57.9 AR1
Agricultural and industrial production methods with regard to energy supply and environmental protection. (Ger) Rist, M *Ber Arbeitstag Fragen Gulle* P. 411-412. 1974

030808 57.9 AR1
Hygienic aspects of liquid and solid manures [Livestock disease control]. (Ger) Strauch, D *Ber Arbeitstag Fragen Gulle* P. 245-274. Ref. 1974

030809 57.9 AR1
Simple ways of reducing odor during the storage and application of liquid manure to arable land. (Ger) Zeisig, H D *Ber Arbeitstag Fragen Gulle* P. 387-396. 1974

57.9 AR1
Use of ventilation to remove odors from liquid manure [Equipment, air pollution control]. (Ger) Ruprich, W *Ber Arbeitstag Fragen Gulle* P. 353-368. 1974

030810 241.4 AP5
White water—savealls [Paper mills, effluent control]. Sykes, J; Weiner, J *Bibliogr Ser Inst Pap Chem* 180 (Suppl. 3), 79 P. 1975

030811 TP570.B5
Treatment of residual waters from the brewery. (Fre) Rateau, A *BIOS* 6 (10): 333-340. Oct 1975

RA1270.P35A1
A lichen (Parmelia conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, air pollution, indicator plants]. Saeki, M; Kunii, K; Seki, T; Suzuki, T *Bull Environ Contam Toxicol* 14 (6): 726-730. Map. Dec 1975

030812 RA1270.P35A1
Activated sludge primary biodegradation of polychlorinated biphenyls. Tucker, E S; Saeger, V W; Hicks, O *Bull Environ Contam Toxicol* 14 (6): 705-713. Ref. Dec 1975

RA1270.P35A1
Air sample studies for measurement of pesticide contamination from storage areas. Winnett, G; Siewierski, M *Bull Environ Contam Toxicol* 14 (69: 681-686. Dec 1975

030813 RA1270.P35A1
Mercuric chloride uptake by eggs of the ricefish and resulting teratogenic effects [Pollutants of aquatic environments]. Heisinger, J F; Green, W *Bull Environ Contam Toxicol* 14 (6): 665-673. Ref. Dec 1975

RA1270.P35A1
Mirex and marine unicellular algae: accumulation, population growth and oxygen evolution. Hollister, T A; Walsh, G E; Forester, J *Bull Environ Contam Toxicol* 14 (6): 753-759. Dec 1975

030814 RA1270.P35A1
Polychlorinated biphenyls (PCB's) in the rivers Avon and Frome [Water pollution]. Kpekata, A E *Bull Environ Contam Toxicol* 14 (6): 687-691. Map. Dec 1975

030815 RA1270.P35A1
The behaviour of mercury in the system water-fish. Kramer, H J; Neidhart, B *Bull Environ Contam Toxicol* 14 (6): 699-704. Dec 1975

030816 TD201.V57
A case study of non-point source pollution in Virginia. Harms, L L; Southerland, E V *Bull Water Resour Res Cent Va Polytech Inst State Univ* 88, 62 P. Map. Ref. Oct 1975

030817 TD201.V57
Evaluating a mathematical model for predicting lake eutrophication. Hornberger, G M; Kelly, M G; Lederman, T C *Bull Water Resour Res Cent Va Polytech Inst State Univ* 82, 102 P. Ref. Sept 1975

030818 TD201.V57
Modeling the effect of waste discharges in a small mountain stream [Water quality control]. Hoehn, R C; Childrey, M R; Contractor, D N *Bull Water Resour Res Cent Va Polytech Inst State Univ* 76, 94 P. Sept 1975

030819 470 C162
Controlling water pollution: what is needed? Harland-Rowe, R *Can Geogr J* 91 (5): 34-41. Nov 1975

030820 470 C16C
Leaf surface effects of environmental pollution on sugar maple (Acer saccharum) in Montreal. Sharma, G K *Can J Bot* 53 (20): 2312-2314. Oct 15, 1975

448.8 C162
Effects of zinc-smelter emissions on forest soil microflora. Jordan, M J; Lechevalier, M P *Can J Microbiol* 21 (11): 1855-1865. Ref. Nov 1975

030821 56.8 C162
Lead-210 [isotope] assay in soil and plant material using Cerenkov radiation [Pollution]. Karamanos, R E; Bettany, J R; Rennie, D A *Can J Soil Sci* 55 (4): 407-413. Ref. Nov 1975

030822 56.8 C162
Nitrification of [anaerobically digested] sewage sludge [in soil] using miscible displacement and perfusion techniques. Stewart, N E; Corke, C T; Beauchamp, E G; Webber, L R *Can J Soil Sci* 55 (4): 467-472. Nov 1975

030823 56.8 C162
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot [Cattle, manure, disposal]. Campbell, L B; Racz, G J *Can J Soil Sci* 55 (4): 457-466. Ref. Nov 1975

030824 279.8 C46
A new project for the protection of the Kajasowka horst in the Cracow Upland. (Pol) Alexandrowicz, Z *Chron Przyr Ojczysta* 31 (1): 20-26. Map. Jan/Feb 1975

030825 279.8 C46
A unique project [of a Greek architect, C. A. Doxiadis] for the spatial management of our planet. (Pol) Lenkowa, A *Chron Przyr Ojczysta* 30 (5): 92-94. Eng. Sum. Sept/Oct 1974

030826 279.8 C46
Crucial problems of the protection of lakes against contamination. (Pol) Stangenberg, M *Chron Przyr Ojczysta* 30 (5): 35-46. Eng. Sum. Sept/Oct 1974

030827 279.8 C46
Destruction of our nature observed during one human life. (Pol) Stecki, K *Chron Przyr Ojczysta* 30 (1): 28-33. Jan/Feb 1974

030828 279.8 C46
Directions concerning the management of meadows in the Pieniny National Park. (Pol) Kinasz, W *Chron Przyr Ojczysta* 30 (1): 60-65. Jan/Feb 1974

279.8 C46
Map of the distribution of national parks in Poland's geobotanical regions. (Pol) Gawlowska, J *Chron Przyr Ojczysta* 30 (6): 5-10. Maps. Eng. Sum. Nov/Dec 1974

030829 279.8 C46
National parks in the spatial system of protection of the nature of the Tatry, Pieniny and Babia Gora mountains [Poland, Czechoslovakia]. (Pol) Zembrzuski, J *Chron Przyr Ojczysta* 30 (6): 11-21. Map. Eng. Sum. Nov/Dec 1974

030830 279.8 C46
Nature protection in Norway at the present time. (Pol) Huse, S *Chron Przyr Ojczysta* 31 (1): 81-86. Jan/Feb 1975

030831 279.8 C46
Nature reserve "Biala Wodo" [White Water] in Little Pieniny mountains. (Pol) Nowak, J *Chron Przyr Ojczysta* 31 (1): 60-63. Jan/Feb 1975

030832 279.8 C46
Nature reserves as forms of protection were discussed by the Council of Mutual Economic Aid at a session in Poland. (Pol) Kurzynski, J *Chron Przyr Ojczysta* 30 (6): 64-69. Nov/Dec 1974

030833 279.8 C46
Past and future of wildlife preservation in the Polish People's Republic. (Pol) Ferens, B *Chron Przyr Ojczysta* 30 (5): 29-34. Eng. Sum. Sept/Oct 1974

279.8 C46
Protection and management of rural parks in Poland. (Pol) Drzal, M; Leszczycki, S *Chron Przyr Ojczysta* 30 (5): 60-72. Eng. Sum. Sept/Oct 1974

030834 279.8 C46
Protection of nature and recreation. (Pol) Michalik, S *Chron Przyr Ojczysta* 30 (1): 7-13. Eng. Sum. Jan/Feb 1974

030835 279.8 C46
Protection of the nature of the Slovak slopes of the Babia Gora. (Pol) Czerwieniec, H; Czerwieniec, M *Chron Przyr Ojczysta* 30 (6): 37-39. Eng. Sum. Nov/Dec 1974

030836 279.8 C46
The contribution of nature conservation to the achievements of People's Poland during the thirty years of her existence. (Pol) Szczesny, T *Chron Przyr Ojczysta* 30 (5): 12-28. Eng. Sum. Sept/Oct 1974

279.8 C46
The importance of afforestations and greens in the protection of the natural environment. (Pol) Zabierowski, K *Chron Przyr Ojczysta* 30 (5): 47-59. Eng. Sum. Sept/Oct 1974

030837 279.8 C46
The influence of tourism on the vegetation of the Babia Gora National Park. (Pol) Bogacz, J *Chron Przyr Ojczysta* 30 (6): 30-36. Map. Nov/Dec 1974

030838 279.8 C46
The project for scenic parks and zones of protected landscape in the Lublin province. (Pol) Fijalkowski, D *Chron Przyr Ojczysta* 30 (5): 73-80. Map. Eng. Sum. Sept/Oct 1974

030839 279.8 C46
The scientific-educational activity of the Polish students on behalf of environmental conservation. (Pol) Dobrowolski, J *Chron Przyr Ojczysta* 30 (5): 84-89. Eng. Sum. Sept/Oct 1974

030840 279.8 C46
The status and perspectives for a development of the network of national parks in Poland. (Pol) Witkowski, Z *Chron Przyr Ojczysta* 31 (1): 8-19. Jan/Feb 1975

030841 279.8 C46
The Tatry National Park as a territory of many-sided studies on nature. (Pol) Czubernat, S *Chron Przyr Ojczysta* 30 (6): 46-52. Nov/Dec 1974

030842 279.8 C46
Thirty years of nature conservation in People's Poland. (Pol) Michajlow, W *Chron Przyr Ojczysta* 30 (5): 7-11. Eng. Sum. Sept-/Oct 1974

030843 279.8 C46
Twenty years of scientific investigations in the Babia Gora National Park. (Pol) Czerwieniec, M *Chron Przyr Ojczysta* 30 (6): 58-64. Nov/Dec 1974

030844 279.8 C46
Unfavorable changes in the natural environment formed the theme of a scientific session held in the Ojcow National Park. (Pol) Lenkowa, A *Chron Przyr Ojczysta* 30 (1): 48-55. Jan/Feb 1974

030845 58.8 T677
A new barn consciousness [Odor control]. (Ger) *DLZ (Die Landtech Z)* 26 (9): 613-614. Sept 1975

030846 58.8 T677
In the [cattle] barn odors are intense. (Ger) Boxberger, J; Schon, H *DLZ (Die Landtech Z)* 26 (4): 245-247. Apr 1975

030847 58.8 T677
There is a cure to control odors [Swine houses]. (Ger) Blendl, H M; Hartl, J *DLZ (Die Landtech Z)* 26 (10): 681-683, 685. Oct 1975

030848 TD202.E2
Communal purification stations. Choice of a water purification technique. (Fre) Ballay, D *Eau Amenagement Reg Provencale* 5: 18. Apr/June 1975

030849 TD202.E2
Creation and operation of [water] purification stations. (Fre) Jean, A *Eau Amenagement Reg Provencale* 5: 16-17. Apr/June 1975

030850 TD202.E2
Pollution of waterways and water tables. (Fre) Boutin, P *Eau Amenagement Reg Provencale* 5: 5-8. Apr/June 1975

030851 TD202.E2
Pollution problems in communities in the process of industrialization [Water pollution]. (Fre) Matha, M *Eau Amenagement Reg Provencale* 5: 21-22. Apr/June 1975

030852 TD202.E2
Tertiary purification of domestic effluents [Water pollution]. (Fre) Portier, J *Eau Amenagement Reg Provencale* 5: 19-20. Apr/June 1975

030853 TD202.E2
The [French river] Basin agency: its role in pollution control. Aids contributed to organization. (Fre) Lacroix, J L *Eau Amenagement Reg Provencale* 5: 13-15. Apr/June 1975

030854 TD1.E2
Algal assays for the national eutrophication survey. Katko, A *Ecol Res Ser* 660/3-75-034: 44-52. June 1975

030855 TD1.E2
Assessing treatment process efficiency [in wastewater] with the algal assay test [Selenastrum capricornutum]. Thomas, R E; Smith, R L *Ecol Res Ser* 660/3-75-034: 244-248. June 1975

TD1.E2
Effect of nitrogen and phosphorus on the growth of selenastrum capricornutum [Eutrophication]. Shiroyama, T; Miller, W E; Greene, J C *Ecol Res Ser* 660/3-75-034: 132-142. June 1975

030856 TD1.E2
Frequency analysis of cyclic phenomena in flowing streams [to monitor concentrations of nutrients, including various species of carbon, nitrogen, and phosphorus]. Kerr, P C; Falco, J W; Stead, R M; Brockway, D *Ecol Res Ser* 660/3-75-034, 53-86. June 1975

TD1.E2
Great Lakes nutrient assessment [Algal assay, Cladophora, Selenastrum capricornutum]. Thomas, N A; Hartwell, K; Miller, W E *Ecol Res Ser* 660/3-75-034: 226-243. Map. June 1975

TD1.E2
Growth requirements of Enteromorpha compressa and Codium fragile [Algae, water pollution]. Steele, R L *Ecol Res Ser* 660/3-75-034: 213-235. Ref. June 1975

030857 TD1.E2
Heteroinhibition as a factor in Anabaena flos-aquae waterbloom production. Williams, L R *Ecol Res Ser* 660/3-75-034: 215-317. Ref. June 1975

030858 TD1.E2
Proceedings: biostimulation—nutrient assessment workshop, October 16-17, 1973 Corvallis, Oregon [Environmental pollution, algal assays]. *Ecol Res Ser* 660/3-75-034, 319 P. June 1975

030859 TD1.E2
Research pertaining to determination of ATP [adenosine triphosphate] in soils and subsurface formations. Duffer, W R; Dunlap, W J; McNabb, J *Ecol Res Ser* 660/3-75-034: 1-3. June 1975

030860 TD1.E2
The development of a standardized marine algal assay procedure for nutrient assessment [Water pollution]. Specht, D T; Miller, W E *Ecol Res Ser* 660/3-75-034, 174-212. Maps. Ref. June 1975

030861 TD1.E2
The effect of higher trophic level components in an aquatic ecosystem model [Pollution]. Lassiter, R R *Ecol Res Ser* 660/3-75-034: 87-112. June 1975

030862 TD1.E2
The use of algal assays to determine effects of waste discharges in the Spokane River system. Miller, W E; Greene, J C; Shiroyama, T; Merwin, E *Ecol Res Ser* 660/3-75-034: 113-131. Map. June 1975

030863 TD1.E2
The use of insitu algal assays to evaluate the effects of sewage effluents on the production of Shagawa Lake phytoplankton. Smith, P D *Ecol Res Ser* 660/3-75-034: 143-173. Ref. June 1975

030864 275.29 W27MI
Energy facts & figures [for farm operations]. Waelti, H; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3943, 18 P. Aug 1975

030865 QH540.E55
The concept of 'waste' and the conservation of nature. Helliwell, D R *Environ Conserv* 2 (4): 271-273. Winter 1975

030866 QH540.E55
[Nature] conservation and development. Poore, D *Environ Conserv* 2 (4): 243-246. Ref. Winter 1975

030867 TD192.E58
Monitoring disposal-well systems [surveillance of the quality of surface and ground waters]. Warner, D L *Environ Monit Ser EPA U S Environ Prot Agency* 680/4-75-008, 99 P. Map. Ref. July 1975

030868 TD172.E52
Alpha- and gamma-BHC [benzene hexachloride] in Tokyo rainwater (December 1968 to November 1969) [Environmental pollution]. Masahiro, O; Takahisa, H *Environ Pollut* 9 (4): 283-288. Dec 1975

030869 TD172.E52
Lead in soil and vegetation along a New Zealand state highway with low traffic volume. Ward, N I; Reeves, R D; Brooks, R R *Environ Pollut* 9 (4): 243-251. Map. Ref. Dec 1975

030870 TD172.E57
Aerobic stabiliztion of waste activated sludge: an experimental investigation [Sewage disposal]. Cohen, D B; Fullerton, D G *Environ Prot Technol Ser EPA U S Environ Prot Agency* 600/2-75-035, 174 P. Ref. Sept 1975

030871 TD172.E57
Biological treatment of concentrated sugarbeet wastes. Fischer, J H *Environ Prot Technol Ser EPA U S Environ Prot Agency* 660/2-74-028, 100 P. June 1974

030872 TD172.E57
Controlling sulfides in sanitary sewers using air and oxygen. Sewell, R J *Environ Prot Technol Ser EPA U S Environ Prot Agency* 670/2-75-060, 111 P. June 1975

030873 TD172.E57
Abstracts of the 1971-1974 United States and foreign open literature on noise, task report J6331. I. Bergmann, E P; Fieldhouse, I B *Environ Prot Technol Ser EPA-R2* 600/2-76-016a, 40 P. Jan 1976

030874 TD172.E57
Bioflocculation and the accumulation of chemicals by floc-forming organisms [Water pollution treatment]. Dugan, P R *Environ Prot Technol Ser EPA-R2* 600/2-75-032, 136 P. Ref. Sept 1975

030875 TD1.E58
Bioaccumulation of 14C [carbon isotope]-DDT in a small pond [Water pollution]. Salonen, L; Vaajakorpi, H A *Environ Qual Saf* 5: 130-140. Ref. 1975

030876 TD1.E58
Chemical control of the sea lamprey: the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the environment [Water pollution]. Menzie, C M; Hunn, J B *Environ Qual Saf* 5: 1-14. Ref. 1975

030877 TD1.E58
Ecological chemical evaluation of waste treatment procedures: the behavior of xenobiotics in waste composting. Muller, W P; Korte, F *Environ Qual Saf* 5: 215-236. Ref. 1975

030878 TD1.E58
Embryological aspects of environmental toxicology: relation between environmental protection and the successful conservation of species in the view of experimental embryology. Dobrowolski, J W *Environ Qual Saf* 5: 78-81. Ref. 1975

030879 TD1.E58
Global inputs and trends of chemical residues in the biosphere. Korte, F *Environ Qual Saf* 5: 183-196. 1975

030880 TD1.E58
Laboratory model ecosystem evaluation of the chemical and biological behavior of radiolabeled micropollutants. Metcalf, R L *Environ Qual Saf* 5: 141-151. Ref. 1975

030881 TD1.E58
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by fish from water and througha model food chain. Feron, J P; Hitz, H R *Environ Qual Saf* 4 (Suppl.): 157-164. Ref. 1975

030882 TD1.E58
Modern science for the future environment and social university youth activities. Dobrowolski, J W *Environ Qual Saf* 5: 82-88. Ref. 1975

030883 TD1.E58
Multielement characterization of atmospheric aerosols by instrumental neutron activation analysis and X-ray fluorescence analysis [Air pollution]. Rancitelli, L A; Cooper, J A; Perkins, R W *Environ Qual Saf* 5: 152-166. Ref. 1975

030884 TD1.E58
PCBs [polychlorinated biphenyls] and environmental contamination. Klein, W; Weisgerber, I *Environ Qual Saf* 5: 237-250. Ref. 1975

030885 TD1.E58
Radioisotope techniques in delineation of the environmental behavior of cadmium. Van Hook, R I Jr; Blaylock, B G; Bondietti, E A; Francis, C W; Huckabee, J W; Reichle, D E; Sweeton, F H; Witherspoon, J P *Environ Qual Saf* 5: 167-182. Ref. 1975

030886 RA565.A1E5
Community reactions to odors from pulp mills: a pilot sudy in Eureka, California. Jonsson, E; Deane, M; Sanders, G *Environ Res* 10 (2): 249-270. Map. Oct 1975

99.9 ER24
Forest and environment research in Hungary. Keresztesi, B *Erdeszeti Kut* 70 (2): 79-82. 1974 (Pub. 1975)

99.9 ER24
Silviculture and environment-protection in Hungary. Madas, A *Erdeszeti Kut* 70 (2): 75-78. 1974 (Pub. 1975)

SD1.E8
The influence of sulfur dioxide and hydrogen fluoride on free amino acids of spruce [Picea abies]. (Ger) Jager, H J; Grill, D *Eur J For Pathol* 5 (5): 279-286. Ref. Eng. Sum. Oct 1975

030887 275.29 M66S
Shoreland sewage treatment. Recommendations for identifyingand eliminating nonconforming systems. Machmeier, R E; Minnesota University Agricultural Extension Service *Ext Bull Agric Ext Serv Univ Minn* 394, 31 P. Map. 1975

030888 275.29 M36B
Our environment [Pollution]. Maryland University Cooperative Extension Service *Ext Bull Md Univ Coop Ext Serv* 247, 30 P. 1973

030889 QL289.F3
Litter and oil on the shores of Utsira, Rogaland County, during autumn 1974 [Oil pollution]. (Nor) Ree, V *Fauna, Nor Zool Foren Tidsskr* 28 (4): 185-191. Eng. Sum. 1975

030890 442.9 F31P
Metabolism of environmental pollutants by the isolated perfused lung [Rabbits]. Bingham, E; Niemeier, R; Dalbey, W *Fed Proc Fed Am Soc Exp Biol* 35 (1): 81-84. Ref. Jan 1976

030891 SK1.F4
Mushroom conservation very much in fashion. (Ger) Pfunder, W *Feld Wald Wasser Schweiz Jagdztg* 3 (10): 46-47. Oct 1975

030892 511 H367
Behaviour of the major elements and minerals in sediments of four humic lakes in southwestern Finland. Koljonen, T; Carlson, L *Fennia* 137, 47 P. Maps. Ref. 1975

030893 57.8 F4123
Minimising pollution from fertiliser plants. *Fert News* 20 (8): 11-19. Aug 1975

030894 384 C422
Biological, physical and chemical methods in the purification of waste water. (Ger) Mann, T *Fette Seifen Anstrichm* 77 (9): 359-364. Ref. Eng. Sum. Sept 1975

030895 384 C422
Purification of odorous effluent gases by oxidation using sodium chlorite [Food processing industry]. (Ger) Brand, H D *Fette Seifen Anstrichm* 77 (9): 354-357. Eng. Sum. Sept 1975

030896 384 C422
Thermal and catalytic purification of effluent air [Food processing industry]. (Ger) Schneider, H *Fette Seifen Anstrichm* 77 (9): 347-354. Eng. Sum. Sept 1975

030897 99.8 F775
Conditions and importance of landscape ecological investigations on turnover and balance sheets. (Ger) Schlichting, E *Forstwiss Centralbl* 94 (6): 273-280. Ref. Eng. Sum. Nov 1975

030898 S16.G9G4
A contribution to lead studies in soils and the enviornment. I. Lead environmental pollution. (Gre) Karamanos, R E; Keramidas, V Z *Geoponika* (Ser. 3) 21 (225): 203-209. Ref. Eng. Sum. July/Aug 1975

030899 301.8 G36
Investigation of the possibility of using lignin to purify the post-fermentation yeast sediments [from hydrolysis establishments]. (Rus) Gel'fand, E D; Anpilogov, A K *Gidroliz Lesokhim Prom-st'* 5: 7. 1975

301.8 G36
The role and regularities of the process of biosorption when treating waste waters of [wood] hydrolisis. (Rus) Zharova, T V; Sedova, IU S; Skachkova, N A *Gidroliz Lesokhim Prom-st'* 8: 13-14. 1974

030900 S27.A3
Physical potentials, projections, and problems in natural resource development: a panel. Schutz, W D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 117-128. 1975

030901 S27.A3
Trees and wildlife—energy aspects for managers. Case, R; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 76, 9 P. 1975

030902 QC795.H4
Plutonium in aqueous systems [Water contamination]. Schell, W R; Watters, R L *Health Phys* 29 (4): 589-597. Ref. Oct 1975

030903 QC795.H4
Resuspension and redistribution of plutonium in soils [Environmental contamination]. Anspaugh, L R; Shinn, J H; Phelps, P L; Kennedy, N C *Health Phys* 29 (4): 571-582. Ref. Oct 1975

030904 QR1.I53 1974
A comparative study on characters of heavy metallic ion-tolerant microorganisms [Soil and water pollution]. Horitsu, H; Tomoyeda, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 522-526. 1974 (Pub. 1975)

030905 QR1.I53 1974
Bacterial communidty in the sea and lake waters polluted with organic substances. Ishida, Y; Tanaka, N; Kadota, H *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 404-409. 1974 (Pub. 1975)

030906 QR1.I53 1974
Biomass and activity of sessile microbes in a polluted river. Tezuka, Y; Aizaki, M *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 498-506. Map. 1974 (Pub. 1975)

030907 QR1.I53 1974
Enumeration, concentration, and separation of microbial cells from natural habitats [Soils, silt, water and other natural habitats]. Zvyagintsev, D G; Guzev, V S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 197-207. Ref. 1974 (Pub. 1975)

030908 QR1.I53 1974
Microbial activities in polluted waters. Riviere, J W M la; Hamdy, Y S *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 477-489. 1974 (Pub. 1975)

QR1.I53 1974
Microbial degradation of synthetic organic pesticides in rice soils. Yoshida, T *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 589-593. 1974 (Pub. 1975)

030909 QR1.I53 1974
Microbiological processing of some natural product effluents. Stanton, W R *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 490-498. Ref. 1974 (Pub. 1975)

030910 QR1.I53 1974
Quantitative and qualitative variations of bacterial population in polluted and nonpolluted marine environment. Simidu, U; Taga, N *In Proc Intersect Congr Int Assoc Microbiol Soc* 1st (V. 2): 395-403. 1974 (Pub. 1975)

030911 TD881.S6 1974
Air pollutants from, and effects on, agriculture. Heggestad, H E *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 170-177. 1974

030912 TD881.S6 1974
Air pollution control at cottonseed oil mills. Rawlings, G D *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 149-158. 1974

TD881.S6 1974
Air pollution regulations and their effect on forest management [Prescribed burning]. Mobley, H E *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 29-38. 1974

030913 TD881.S6 1974
Control of livestock waste odors. Rogers, H; Overcash, M R; Ripperton, L A *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 104-116. Ref. 1974

030914 TD881.S6 1974
Control of odors and aerosols from spent grain dryers. First, M W; Schilling, W; Govan, J H; Quinby, A H *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 133-146. Ref. 1974

030915 TD881.S6 1974
Control of particulate emissions [Air pollution] from alfalfa dryers. Smith, K D *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 166-169. 1974

030916 TD881.S6 1974
Controlling [animal] rendering plant odors. Miller, T L *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 81-103. Ref. 1974

030917 TD881.S6 1974
Disposal of agricultural waste by controlled burning—a regulatory viewpoint [Air pollution]. Walton, J W *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 16-28. 1974

030918 TD881.S6 1974
Farm certification and approach to farm odour problems in Ontario. Caranci, M A; Wrubleski, E M *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 117-132. 1974

030919 TD881.S6 1974
Fluoride emissions from phosphate processing plants [Air pollution]. Cross, F L Jr *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 159-165. 1974

030920 TD881.S6 1974
Interrelationships between agriculture as air pollution. Bethea, R M *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 1-15. Ref. 1974

030921 TD881.S6 1974
Odor measurement for livestock feeding operations [Waste management, feedlots]. Sweeten, J M; Reddell, D L; Cooper, H B H *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 55-80. Ref. 1974

TD881.S6 1974
Particulate source strength determination for low-intensity prescribed fires [Air pollution, forests]. Ward, D E *In Specialty Conference on Control Technology for Agricultural Air Pollutants* P. 39-54. 1974

030922 QH540.I54
Our disappearing natural environment: the case of Hong Kong [Plants and animals]. Wong, M H *Int J Ecol Environ Sci* 1 (2): 133-134. Map. 1975

475 IS72
Survival of enteroviruses on vegetables irrigated with chlorinated oxidation pond effluents [Wastewater treatment]. Kott, H; Fishelson, L *Isr J Technol* 12 (5/6): 290-297. Ref. 1974 (Pub. 1975)

030923 381 J8223
Fate of microbicidal 3-isothiazolone compounds in the environment: modes and rates of dissipation. Krzeminski, S F; Brackett, C K; Fisher, J D *J Agric Food Chem* 23 (6): 1060-1068. Ref. Nov/Dec 1975

030924 381 J8223
Fate of microbicidal 3-isothiazolone compounds in the environment: products of degradation. Krzeminski, S F; Brackett, C K; Fisher, J D; Spinnler, J F *J Agric Food Chem* 23 (6): 1068-1075. Nov/Dec 1975

030925 449.9 AI7
Sulfur dioxide and material damage [Air pollution]. Gillette, D G *J Air Pollut Control Assoc* 25 (12): 1238-1243. Ref. Dec 1975

030926 390.08 H12
Biological treatment with a two stage activated sludge process of wastewater containing cyanide. (Jpn) Furuki, M; Akakabe, T; Kitamura, H *J Ferment Technol* 53 (11): 824-831. Nov 1975

030927 QL614.J68
Studies on the toxicity of zinc sulphate and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. Solve, J F de L G; Flook, V A *J Fish Biol* 7 (5): 631-637. Ref. Sept 1975

030928 HD9000.A1J68
Solid waste management methods and costs in independent retail food stores. Toensmeyer, U C; Sloan, T C *J Food Distrib Res* 6 (3): 28-36. Sept 1975

99.8 N62
Histological responses of Japanese red pine [Pinus densiflora] needles exposed to sulfur dioxide [Injury]. (Jpn) Ito, S *J Jap For Soc* 57 (9): 300-304. Ref. Eng. Sum. Sept 1975

030929 293.8 SE8
Dewatering of organic sludge by pulverized coal. Hirota, M; Okada, H; Misaka, Y; Kato, K *J Water Pollut Control Fed* 47 (12): 2774-2782. Dec 1975

030930 293.8 SE8
Health significance of airborne microorganisms from wastewater treatment processes. I. Summary of investigations. Hickey, J L S; Reist, P C *J Water Pollut Control Fed* 47 (12): 2741-2757. Ref. Dec 1975

030931 293.8 SE8
Health significance of airborne microorganisms from wastewater treatment processes. II. Health significance and alternatives for action. Hickey, J L S; Reist, P C *J Water Pollut Control Fed* 47 (12): 2758-2773. Dec 1975

030932 293.8 SE8
Lime-induced reactions in municipal wastewaters. Merrill, D T; Jorden, R M *J Water Pollut Control Fed* 47 (12): 2783-2808. Dec 1975

030933 293.8 SE8
Removal of detergent fluorescent whitening agents from wastewater. Ganz, C R; Liebert, C; Schulze, J; Stensby, P S *J Water Pollut Control Fed* 47 (12): 2834-2849. Ref. Dec 1975

030934 293.8 SE8
Upgrading primary treatment with chemicals and water treatment sludge. Wilson, T E; Bizzarri, R E; Burke, T; Langdon, P E Jr; Curson, C M *J Water Pollut Control Fed* 47 (12): 2820-2833. Dec 1975

030935 72.8 K522
On the agenda—the protection of the natural environment [from pollution]. (Rus) Sheptopalov, I A *Khlopkovodsto* 6: 26-28. June 1975

030936 58.8 L235
Treating waste air from swine barns. (Ger) Hammer, K; Koller, G *Landtechnik* 30 (10): 432-434. Oct 15, 1975

030937 275.28 M36
Water management and noise [pollution] reduction. Heath, J L; Maryland University Cooperative Extension Service *Md Poultryman* P. 5-8. Dec 1975

030938 QR100.M5
Microbiological basis of phosphate removal in the activated sludge process for the treatment of wastewater. Fuhs, G W; Chen, M *Microb Ecol* 2 (2): 119-138. Ref. 1975

030939 514 N482
Air pollution by suspended particulate matter in Dunedin and Milton. Schwartz, P L *N Z J Sci* 18 (3): 337-344. Map. Ref. Sep 1975

030940 514 N482
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and urine of sheep and cattle. Manley, T R; Stewart, D J; White, D A; Harrison, D L *N Z J Sci* 18 (3): 433-440. Map. Ref. Sep 1975

030941 472 N42
Saving wetlands for a rainy day [Natural resources conservation]. Allen, R *New Sci (London)* 68 (980): 703-705. Dec 18/25 1975

157.8 R29
Biological availability of sediment phosphorus to microorganisms [Algae, aquatic weeds, eutrophication]. Sagher, A; Harris, R F; Armstrong, D E *PB Natl Tech Inf Serv Commer* 240822, 56 P. Ref. 1975

030942 157.8 R29
Computer programs for sediment transport documentation and listing. Mahmood, K; Ponce, V M *PB Natl Tech Inf Serv Commer* 244838, 95 P. Aug 1975

030943 157.8 R29
Use of climatic data in design of soils treatment systems [Land-based wastewater management]. Whiting, D M *PB Natl Tech Inf Serv Commer* 244098, 67 P. Maps. June 1975

SB951.A1P41
Insecticide residues in the Tuttle Creek Reservoir ecosystem, Kansas—1970-71. Klaassen, H E; Kadoum, A M *Pestic Monit J* 9 (2): 89-93. Map. Ref. Sept 1975

030944 SB951.A1P41
Mercury residues in breast muscle of wild ducks, 1970-71. Baskett, T S *Pestic Monit J* 9 (2): 67-78. Map. Ref. Sept 1975

SB951.A1P41
Occurrence of chlorinated hydrocarbon insecticides, southern Florida—1968-72. Mattraw, H C Jr *Pestic Monit J* 9 (2): 106-114. Map. Ref. Sept 1975

SB951.A1P41
Organochlorine pesticide residues in small migratory birds, 1964-73 [in Florida]. Johnston, D W *Pestic Monit J* 9 (2): 79-88. Ref. Sept 1975

030945 SB951.A1P41
Total mercury levels in selected human tissues, Idaho—1973-74. Gabica, J; Benson, W; Loomis, M *Pestic Monit J* 9 (2): 59-63. Map. Ref. Sept 1975

030946 TD881.P6
Experimental technique allowing for the study of the incidence on vegetation of sulfur dioxide pollutants applied continuously and at subnecrotic doses. (Fre) Cormis, L de; Bonte, J; Tisne, A *Pollut Atmos* 17 (66): 103-107. Eng. Sum. Apr/June 1975

030947 420 UT1
Essentials of environmental studies for an impact statement. Winget, R N *Proc Annu Meet Utah Mosq Abate Assoc* 27th: 27-31. Mar 1975

030948 GB1627.G8C6
Biological transformation of clay-sized sediments in simulated aquatic environments. Wall, G J; Wilding, L P; Miller, R H *Proc Conf Great Lakes Res* 17th (Pt. 1): 207-211. Ref. 1974

030949 GB1627.G8C6
Pollutant mercury and sedimentation in the western basin of Lake Erie. Wolery, T J; Walters, L J Jr *Proc Conf Great Lakes Res* 17th (Pt. 1): 235-249. Maps. Ref. 1974

030950 49.9 N483
Pollution problems associated with feedlot production of livestock. Bell, R G *Proc N Z Soc Anim Prod* 34: 182-187. Ref. 1974

030951 382 P97
Mutagenic, carcinogenic and teratogenic effects of pollutants in respect to man. Coulston, F; Wills, J H *Pure Appl Chem* 42 (1/2): 209-222. Ref. 1975

030952 382 P97
Pollution problems of the Seto Inland Sea. Goto, M *Pure Appl Chem* 42 (1/2): 155-166. Maps. 1975

030953 500 F66
An overview-wastewater treatment disposal systems utilizing land application. Wright, R L *Q J Fla Acad Sci* 38 (4): 207-214. Fall 1975

030954 500 F66
Chemical, physical and biological composition of "typical" secondary effluents. Wodzinski, R J *Q J Fla Acad Sci* 38 (4): 194-201. Ref. Fall 1975

030955 500 F66
Land-spreading of secondary effluents. Thabaraj, G J *Q J Fla Acad Sci* 38 (4): 222-227. Fall 1975

030956 500 F66
Virus consideration in land disposal of sewage effluents and sludge. Wellings, F M; Lewis, A L; Mountain, C W; Stark, L M *Q J Fla Acad Sci* 38 (4): 202-207. Ref. Fall 1975

030957 100 IN2P (1)
An analysis of the generation of household solid wastes from consumption [Pollution]. Richardson, R A; Havlicek, J Jr; Indiana Agricultural Experiment Station *Res Bull Purdue Univ Agric Exp Stn* 920, 28 P. Mar 1975

030958 S5.R4
Lake and soil culture [Natural resources, pollution]. (Fre) Piccot, F *Rev Suisse Agric* 7 (5): 165-169. Sept/Oct 1975

030959 SF1.R54
Irrigation and pollution. (Ita) Martelli, A *Rilancio Agric Vet Zootec* 6 (5/6): 28-29. 1974

030960 106 ES83
Study of contamination and purification of waste waters from dairy farms and milk processing enterprises. (Rus) Varendi, T; Maastik, A *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 63-71. Eng. Sum. 1975

030961 106 ES83
The methodology of determining the potential contamination load in water management planning and the role of agriculture in it. (Rus) Maastik, A *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 72-77. Eng. Sum. 1975

030962 106 ES83
Utilization of ejectors in small purification installations [for sewage water]. (Rus) Khaldre, Kh; Maastik, A *Sb Nauchn Tr Eest Pollumajanduse Akad* 98: 59-62. Eng. Sum. 1975

030963 470 SCI2
Chemical pollutants: polychlorinated biphenyls is still a threat. Maugh, T H II *Science* 190 (4220): 1189. Dec 19, 1975

030964 Q1.A3S4
Fuel from plants [Australia's total demand, resources]. Gifford, R M *Search, Sci Technol Soc* 6 (11/12): 454-456. Ref. Nov/Dec 1975

030965 Q1.A3S4
Papua New Guinea: an example of conservation opportunity in the humid tropics. Haantjens, H A *Search, Sci Technol Soc* 6 (11/12): 477-484. Ref. Nov/Dec 1975

030966 100 M693SP
Energy resources and agriculture. McKinsey, J W Jr; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 174, 43 P. Ref. June 1975

030967 309.8 SU5
Effects of modern pollution control standards on the design and economics of sulphuric acid plants. Connor, J M *Sulphur* 119: 33-40. July/Aug 1975

030968 302.8 SV2
Color removal from kraft effluent by ultrafiltration with new polymeric membranes [Pollution]. Muratore, E; Pichon, M; Monzie, P *Sven Papperstidn* 78 (16): 573-576. Ref. Nov 10, 1975

030969 302.8 SV2
Efficient white water handling at Munksjo mill [Water pollution]. Brauns, O *Sven Papperstidn* 78 (17): 600, 628. Nov 25, 1975

030970 302.8 T162
The status of water pollution control in the Soviet Union. Amberg, H R; Gellman, I; Scott, R H *Tappi (Tech Assoc Pulp Paper Ind)* 58 (12): 71-75. Maps. Dec 1975

030971 390.9 M39T
Reducing water and wastewater costs. Imsande, R R *Tech Q Mast Brew Assoc Am* 12 (4): 253-255. Oct/Dec 1975

030972 49 T445
Methods and tools for measuring odors [from barns]. (Ger) Schirz, S *Tierzuchter* 27 (12): 535-536. Dec 5, 1975

030973 49 T445
Odor emmisions from animal rearing units. (Ger) Riemann, U *Tierzuchter* 27 (12): 537-540. Dec 5, 1975

474 UM7
Increased requirement for food caused by environmental pollution. (Ger) Oltersdorf, U *Umschau* 75 (16): 508-509. Eng. Sum. Aug 15, 1975

ASD11.A42
Selected bibliography of wildlife and habitats for the Southwest. Patton, D R; Ffolliott, P F; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg* 16, 39 P. Ref. Sept 1975

030974 TD420.W36
An economic study of the unox and conventional aeration systems [Sludge treatment]. Sidwick, J M; Lewandowski, T P; Allum, K H *Water Pollut Control* 74 (6): 645-656. 1975

030975 TD420.W36
Edinburgh's sewage-treatment and disposal scheme. Dugdale, J *Water Pollut Control* 74 (6): 611-624. Maps. 1975

030976 TD420.W36
Performance studies on a pilot-scale activated-sludge plant [Wastewater treatment]. Tebbutt, T H Y; Christoulas, D G *Water Pollut Control* 74 (6): 701-710. Ref. 1975

030977 TD420.W36
Practical research in water pollution control. Forster, C F *Water Pollut Control* 74 (6): 625-634. Ref. 1975

030978 TD420.W36
Sludge dewatering trials at Banbury. Sidwick, J M; Butler, B E; Ruscombe-King, N J *Water Pollut Control* 74 (6): 675-687. 1975

030979 GB746.W33
Classification of stream water according to degree of pollution on the basis of microbiological indices. Ambrazene, Zh P *Water Resour* 1 (5): 713-719. Ref. Sept/Oct 1974

030980 GB746.W33
Concentration of helium in artesian water. Vindyukov, P M; Eremeev, A N; Yanitskii, I N *Water Resour* 1 (5): 754-762. Map. Ref. Sept/Oct 1974

030981 GB746.W33
Control of the water regime as a prospective method of protecting waters from depletion and pollution. Gazizov, M S; Ban'kovskaya, B M; Malyshenko, V S *Water Resour* 1 (1): 103-107. Jan/Feb 1974 (Transl. 1975)

030982 GB746.W33
Legal protection of waters from pollution. Kaverin, A M *Water Resour* 1 (5): 679-686. Ref. Sept/Oct 1974

030983 GB746.W33
Methods of comprehensive investigation of state of rivers and determination of causes of their pollution by industrial and domestic effluents. Mitin, B A; Popova, L YA *Water Resour* 1 (1): 99-102. Jan/Feb 1974 (Transl. 1975)

030984 GB746.W33
Protection of waters in Volga basin from pollution. Belichenko, YU P *Water Resour* 1 (1): 92-98. Jan/Feb 1974 (Transl. 1975)

030985 GB746.W33
Removal of phytoplankton [Algae] from water. Kostousova, M N *Water Resour* 1 (3): 385-390. May/June 1974 (Transl 1975)

030986 GB746.W33
Scientific bases of establishment of maximum permissible concentrations of toxic substances in open waters (biological aspect) [Pollution]. Stroganov, N S *Water Resour* 1 (1): 82-91. Ref. Jan/Feb 1974 (Transl. 1975)

421 Z1
Hygienic regulation of phosphamide application in the culture of hops [Insect pest control]. (Rus) Kiril'chuk, P P; Ponomarenko, V N; Zakordonets, V A; Taran, F I; Kuz'menko, A V *Zashch Rast* 2: 45. Feb 1975

030987 449.8 AR2
Microbial contamination of air by activated sludge units. (Ger) Wanner, H U *Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe B Hyg Prav Med* 161 (1): 46-53. Ref. 1975

030988 442.8 Z6
Equations of evolution of the structure and density of synchronous, relatively steady—state biological communities. (Rus) Pykh, IU A *Zh Obshch Biol* 36 (5): 699-708. Eng. Sum. 1975

49 Z6
Removal and use of manure. (Rus) Zorin, I G *Zhivotnovodstvo* 8: 82-84. Aug 1975

49 Z6
Utilization of manure on large farms and complexes [Composition, pollution]. (Rus) Gorin, V T *Zhivotnovodstvo* 6: 75-80. June 1975

030989 65.8 Z82
Level of wastewater technology in the sugar industry and wastewater legislation. (Ger) Hoffmann-Walbeck, H P; Pellegrini, A *Zucker* 28 (10): 527-534. Ref. Eng. Sum. Oct 1975

030990 65.8 Z82
Protracted and low load biological processes [Sugar industry effluents]. (Ger) Metz, K *Zucker* 28 (10): 534-537. Eng. Sum. Oct 1975

USDA PUBLICATIONS

Agric Econ Rep Econ Res Serv U S Dep Agric

A281.9 AG8A
Alternative futures for nonmetropolitan population, income, employment, and capital [Rural development]. Edwards, C; DePass, R; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 311, 56 P. Nov 1975

A281.9 AG8A
Cotton gin operating costs in the San Joaquin Valley of California, 1973/74. Wilmot, C A; Shaw, D L; Heron, B K; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 316, 10 P. Oct 1975

A281.9 AG8A
Decentralized tomato processing: plant design, costs, and economic feasibility. Jesse, E V; Schultz, W G; Bomben, J L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 313, 56 P. Ref. Dec 1975

A281.9 AG8A
Economics of rural ambulance service in the Great Plains [Health]. Doeksen, G A; Frye, J; Green, B L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 308, 22 P. Map. Nov 1975

A281.9 AG8A
Farmers' expenditures for custom pesticide services, 1971. Ferguson, W L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 314, 31 P. Maps. Nov 1975

A281.9 AG8A
Milk pricing. Manchester, A C; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 315, 17 P. Nov 1975

A281.9 AG8A
Taxes levied on farm personal property, 1960-72. Sibold, A G; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 321, 11 P. Ref. Jan 1976

A281.9 AG8A
The cheese industry [Processing, distribution]. Lough, H W; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 294, 71 P. Ref. July 1975

Agric Handb U S Dep Agric

1 AG84AH
A financial return program for forestry investments including sensitivity of results to data errors. Goforth, M H; Mills, T J; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 488, 18 P. Ref. Dec 1975

1 AG84AH
Compilation of statutes relating to the Agricultural Marketing Service and closely related activites as of September 1, 1975. U.S.; U.S. Dept. of Agriculture; Agricultural Marketing Service *Agric Handb U S Dep Agric* 492, Rev., 392 P. Dec 1975

1 AG84AH
Date development, handling, and packing in the United States. Rygg, G L; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 482, 56 P. Ref. Nov 1975

1 AG84AH
Fruits and tree nuts: blooming, harvesting, and marketing dates. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 186, Rev., 52 P. Map. Dec 1975

1 AG84AH
New life for old [wood-frame] dwellings; appraisal and rehabilitation. Sherwood, G E; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 481, 99 P. Maps. Dec 1975

1 AG84AH
Sorghum diseases in the United States and their control. Edmunds, L K; Zummo, N; U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 468, 47 P. Ref. Aug 1975

Agric Inf Bull U S Dep Agric

1 AG84AB
Your tree's trouble may be you [Injuries]. U.S. Dept. of Agriculture *Agric Inf Bull U S Dep Agric* 372, 21 P. Sept 1974

Agric Res

1.98 AG84
An honor for super slurper [Industrial chemicals from starch that is in excess of food needs]. U.S. Agricultural Research Service *Agric Res* 24 (7): 12-13. Jan 1976

1.98 AG84
Bringing back blue grama [Bouteloua gracilis, growth as forage crop]. U.S. Agricultural Research Service *Agric Res* 24 (7): 6-7. Jan 1976

1.98 AG84
Defending soybeans [against insects and diseases], naturally [Biological control]. U.S. Agricultural Research Service *Agric Res* 24 (6): 8-11. Dec 1975

1.98 AG84
Micro-ecosystem monitors [Colletotrichum gloeo for biological control of Aeschynomene in rice]. U.S. Agricultural Research Service *Agric Res* 24 (7): 10-11. Jan 1976

1.98 AG84
New light on zinc [Trace element deficiencies]. U.S. Agricultural Research Service *Agric Res* 24 (7): 3-4. Jan 1976

1.98 AG84
New technique saves irrigation water [Beans]. U.S. Agricultural Research Service *Agric Res* 24 (7): 14. Jan 1976

1.98 AG84
Plague fights plague [Nosema locustae control of grasshoppers on forage crops, biological control]. U.S. Agricultural Research Service *Agric Res* 24 (7): 5. Jan 1976

1.98 AG84
Some like it cold [Weed control, 4-chloro-5-(dimethylamino)-2-phenyl-3 (2H)-pyridazinone]. U.S. Agricultural Research Service *Agric Res* 24 (7): 8-9. Jan 1976

1.98 AG84
Storing [pearlmillet] seeds for a century. U.S. Agricultural Research Service *Agric Res* 24 (6): 6-7. Dec 1975

1.98 AG84
Tracing mercury in a biosphere [Air pollution]. U.S. Agricultural Research Service *Agric Res* 24 (6): 12-13. Dec 1975

1.98 AG84
Trojan horse [Haematobia irritans pests of cattle]. U.S. Agricultural Research Service *Agric Res* 24 (7): 11. Jan 1976

1.98 AG84
When soil water matters [Water resources]. U.S. Agricultural Research Service *Agric Res* 24 (6): 13. Dec 1975

1.98 AG84
[Xanthan gum from Xanthomonas campestris] for strength and elasticity [Protein sources]. U.S. Agricultural Research Service *Agric Res* 24 (6): 3-4. Dec 1975

AMS U S Dep Agric Agric Mark Serv

A280.39 M34AM
A guide to carcass data service (beef) [Grading]. U.S. Agricultural Marketing Service *AMS U S Dep Agric Agric Mark Serv* 545, Slightly Rev., 6 P. Apr 1975

APHIS-81 U S Anim Plant Health Insp Serv

ASB599.A3U5
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. U.S. Animal and Plant Health Inspection Service *APHIS-81 U S Anim Plant Health Insp Serv* 2-3, 16 P. Apr 1974

ARS-NE U S Agric Res Serv Northeast Reg

AS21.A75U45
Feasibility study on freezing and handling fresh hams in corrugated fiberboard pallet bins. Ashby, B H; James, G M; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 63, 12 P. Aug 1975

AS21.A75U45
Portion sizes and day's intakes of selected foods. Pao, E M; Burk, M C; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 67, 70 P. Dec 1975

AS21.A75U45
USDA-DHIA [Dairy Herd Improvement Association] cow index list, spring 1975 [Performance]. Powell, R L; Dickinson, F N; Norman, H D; King, G J; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 25-2, 388 P. 1975

ARS-S U S Agric Res Serv South Reg

AS21.A75U53
Aspirator for collecting and separating small insects [Lepidoptera, Coleoptera]. Mullen, M A; Zehner, J M; Bourinot, L M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 78, 4 P. Nov 1975

AS21.A75U53
Solid-state light-intensity controller [for incandescent lamps] for [entomological and] biological research. Beerwinkle, K R; Berry, I L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 77, 5 P. Ref. Nov 1975

ASCS Background Inf Bl (Agric Stab Conserv Serv)

A284.9 ST1
Prairie Village, [Kansas], Commodity Office operations [Commodity Credit Corporation]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 7, 3 P. Nov 1975

A284.9 ST1
Production adjustment programs [Agriculture and Consumer Protection Act of 1973]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 5, 8 P. Dec 1975

A284.9 ST1
The Agricultural Stabilization and Conservation Service. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 1, 13 P. Map. Dec 1975

Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div

1.967 A2C78
Romanian references on the European corn borer Ostrinia (pyrausta) nubilalis (Hubner) [Bibliographies]. Perju, T comp; Mustea, D comp; U.S. Animal and Plant Health Inspection Service Plant Protection and Quarantine Programs *Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div* 25 (45/48): 885-890. Ref. Nov 1975

1.967 A2C78
The establishment of Coccinella septempunctata L. In the continental United States [Aphididae predators, biological control]. Angalet, G W; Jacques, R L; U.S. Animal and Plant Health Inspection Service Plant Protection and Quarantine Programs *Coop Econ Insect Rep U S Agric Res Serv Plant Prot Div* 25 (45/48): 883-884. Nov 1975

ERS Foreign U S Dep Agric Econ Res Serv

A281.9 AG83
Agricultural statistics of Eastern Europe and the Soviet Union 1950-70. Miller, C E; Byrne, A O; Collins, H C; Vankai, T A; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 349, 106 P. June 1973

A281.9 AG83
Indices of agricultural production in Africa and the Near East, 1964-73 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 365, 60 P. Map. June 1974

A281.9 AG83
Iran: agricultural production and trade. Kurtzig, M E; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign U S Dep Agric Econ Res Serv* 357, 51 P. Maps. Ref. Apr 1974

ERS U S Dep Agric Econ Res Serv

A281.9 AG83E
Cost of storing and handling cotton at public storage facilities, 1972-73, with projections for 1974-75. Chandler, W M Jr; Ghetti, J L; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 554, 38 P. June 1974

A281.9 AG83E
Custom farm services in the United States: status and potentials [Statistics]. Irwin, G D; Penn, J B; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 583, 47 P. Ref. Mar 1975

A281.9 AG83E
Economics of agriculture. Reports and publications issued or sponsored by USDA's Economic Research Service, July 1972—June 1973 [Bibliographies]. Lanier, E B comp; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 368 (Suppl. 5), 24 P. Ref. Nov 1974

A281.9 AG83E
Employment in agricultural and agribusiness occupations. U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 570, 127 P. Aug 1974

A281.9 AG83E
The new politics of food. Schertz, L P; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 619, 14 P. Nov 1975

Ext Serv Rev U S Dep Agric

1 EX892EX
A rural second home [Non-resident landowners]. White, D J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 7. Jan/-Feb 1976

1 EX892EX
An apple a day [Cider]. Lutzke, J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 16-17. Sept/Oct 1975

1 EX892EX
Caring for others in Pennsylvania [Rural health]. Gotwalt, N H; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 22. Sept/Oct 1975

1 EX892EX
Caring for others in Montana [Rural health]. Beasley, W; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4 I.e. 5): 23. Sept/Oct 1975

1 EX892EX
City farmers [4-H clubs]. Morrison, J R; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 13-15. Jan/Feb 1976

1 EX892EX
Controlling tansy ragwort [Senecio jacobaea, biological control with cinnabar moth]. Kingsley, K K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 16-17. Jan/Feb 1976

1 EX892EX
Learning the extension way. Lutzke, J; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 18-19. Jan/Feb 1976

1 EX892EX
Log cabin building, an Alaskan art. Smith, J A; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 14-15. Sept/Oct 1975

1 EX892EX
Needs of youth [4-H clubs]. Benedetti, S K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 12. Jan/Feb 1976

1 EX892EX
Spotlighting professionalism [Extension home economists]. Loudon, P; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 10-11. Jan/Feb 1976

1 EX892EX
Top talent for teen leaders [4-H clubs]. Rogers, H; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 20-21. Jan/Feb 1976

1 EX892EX
Wisconsin [plant] wildfoods [Extension]. DeSmet, C; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 47 (1): 22-23. Jan/Feb 1976

1 EX892EX
4-H'ers outride Paul Revere—by 484 miles! [United States history]. Benedetti, S K; U.S. Extension Service *Ext Serv Rev U S Dep Agric* 46 (4, I.e. 5): 3-5. Sept/Oct 1975

Farmers Bull U S Dep Agric

1 AG84F
Catfish farming. Grizzell, R A Jr; Dillon, O W Jr; Sullivan, E G; Compton, L V; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2260, 22 P. Nov 1975

1 AG84F
Controlling tomato diseases. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2200, Rev., 12 P. Sept 1975

1 AG84F
Growing blackberries [Culture]. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2160, Rev., 18 P. Map. Oct 1975

1 AG84F
Part-time farming. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2178, Slightly Rev., 14 P. Aug 1975

1 AG84F
Using phenoxy herbicides effectively [Economic plants]. Klingman, D L; Shaw, W C; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2183, Slightly Rev., 25 P. Oct 1975

FAS-M U S Foreign Agric Serv

A281.9 F76FM
Japan's fast-food industry: export potential for U.S. Products. Dwoskin, P B; Havas, N; U.S. Foreign Agricultural Service *FAS-M U S Foreign Agric Serv* 268, 12 P. Sept 1975

FATUS (Foreign Agric Trade U S)

A286.9 AG8
Ad valorem equivalent duty rates decline in 1974 [Imports]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 102-110. June 1975

A286.9 AG8
Japan's market demand and competition in fiscal 1975. Greenshields, B L; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 54-59. Sept 1975

A286.9 AG8
Leading markets for 1974 U.S. Agricultural exports [Statistics]. Breedlove, S E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 24-53. June 1975

A286.9 AG8
Leading markets for U.S. Agricultural exports in fiscal 1975. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 40-63. Nov 1975

A286.9 AG8
Prices of international significance. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 70-75. Sept 1975

A286.9 AG8
Record farm product exports to European Community in 1974. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 12-23. June 1975

A286.9 AG8
The booming Iraqi market for U.S. Farm products. Parker, J B; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 115-126. June 1975

A286.9 AG8
U.S. Agricultural exports may total $22 billion in fiscal 1976. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 6-8. Sept 1975

A286.9 AG8
U.S. Agricultural trade with Mexico, fiscal 1975. Link, J E; Cannon, C B; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 46-53. Sept 1975

A286.9 AG8
U.S. Agricultural exports to Iran up dramatically in fiscal 1975. Kurtzig, M E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 60-66. Sept 1975

A286.9 AG8
U.S. Agricultural trade as a share of production. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 67-69. Sept 1975

A286.9 AG8
U.S. Agricultural trade with Canada, fiscal 1975: exports rise, imports decline. Bray, C E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 64-68. Nov 1975

A286.9 AG8
U.S. Agricultural exports adjusted for transshipments, 1974[Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 75-81. Nov 1975

A286.9 AG8
U.S. Export unit values decline. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 111-114. June 1975

A286.9 AG8
U.S. Imports of fruits and vegetables under quarantine, fiscal 1975 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 76-94. Sept 1975

A286.9 AG8
U.S. Trade with Central America. Link, J E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 40-45. Sept 1975

A286.9 AG8
U.S.-People's Republic of China agricultural trade in fiscal 1975. Surls, F M; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 69-74. Nov 1975

A286.9 AG8
Value of U.S. Agricultural exports expected to be lower in fiscal 1976. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 8-11. June 1975

FCS Inf U S Dep Agric Farmer Coop Serv

A280.29 F22I
Riceland Foods: innovative cooperative in the internationalmarket [Soybeans]. Morrissy, J D; U.S. Farmer Cooperative Service *FCS Inf U S Dep Agric Farmer Coop Serv* 101, 128 P. 1975

Food Nutr

ATX341.F615
Bagels for the bicentennial [School lunch menus]. Watts, M; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 11. Dec 1975

ATX341.F615
Elizabeth Friar: Energetic lady directs volunteer services; Michigan volunteer program encourages communities to find ways to help the needy through food stamps. Forte, R; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 2-5. Dec 1975

ATX341.F615
How two lunch programs save money [in Oklahoma and New Jersey]. Rhodes, R J; D'Arrezo, C M; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 8-10. Dec 1975

ATX341.F615
Salvation Army provides a center for food programs. Lonsbury, J; U.S. Food and Nutrition Service *Food Nutr* 5 (6): 12-13. Dec 1975

For Agric Circ Coffee FCOF (U S Dep Agric)

A281.3689 F76
World coffee production in 1975/76 matches consumption needs [Statistics]. U.S. Foreign Agricultural Service *For Agric Circ Coffee FCOF (U S Dep Agric)* 4-75, 6 P. Oct 1975

Foreign Agric Circ, Dairy FD (U S Dep Agric)

1.943 F117
U.S. Dairy trade deficit reduced in fiscal 1975 as exports gain and imports decline [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Dairy FD (U S Dep Agric)* 7-75, 16 P. Oct 1975

Foreign Agric Circ FTEA U S Foreign Agric Serv

A281.3689 F76T
Large world tea crop expected in 1974 [Production statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ FTEA U S Foreign Agric Serv* 3-75, 9 P. Oct 1975

Foreign Agric Econ Rep U S Dep Agric Econ Res Serv

A281.9 AG8F
Collecting agricultural statistics in the Soviet Union. Pope, F Jr; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 112, 24 P. Nov 1975

A281.9 AG8F
Structural changes in West European agriculture, 1950-70 [Gross Agricultural Product]. Breitenlohner, C A; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 114, 49 P. Ref. Nov 1975

Foreign Agric U S Foreign Agric Serv

A281.9 F76FO
Agriculture and the MTN [Multilateral Trade Negotiations]. Koenig, E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 9-10. Dec 15, 1975

A281.9 F76FO
Argentina's wheat exports may be highest in a decade. Rudbeck, J P; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 6-7. Jan 12, 1976

A281.9 F76FO
Australia sees sharp competition in Japan meat market. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 16. Nov 24, 1975

A281.9 F76FO
Australian grains stage rally as rains finally arrive [Exports]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 2-3. Jan 5, 1976

A281.9 F76FO
Australian sheepmen view Mideast as growing market. Dirks, H J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 2-4. Dec 1, 1975

A281.9 F76FO
Australia's cattle problem: low prices, larger herds [Demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 11-12. Jan 5, 1976

A281.9 F76FO
Brazil determined to make comeback from coffee freeze. Rourk, J P; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 2-4, 11. Jan 12, 1976

A281.9 F76FO
British find adjusting to EC [European Community] food laws difficult. Stenswick, L E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 8-9. Dec 1, 1975

A281.9 F76FO
Butz sees trade growth in East Europe, Mideast. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 2-3. Dec 15, 1975

A281.9 F76FO
Canada to require bilingual labeling of imported foods. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 7. Dec 1, 1975

A281.9 F76FO
Canada's grape growers plant improved varieties [Marketing]. Myles, G C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 12. Jan 12, 1976

A281.9 F76FO
Changing eating habits lift potato product trade. Knapp, R D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 5-6, 16. Dec 8, 1975

A281.9 F76FO
Cocoa output emphasized in Nigeria. Oniha, O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 12. Dec 22, 1975

A281.9 F76FO
Controversy flares over Canada's grain "Crow Rate". Austin, L A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 11. Dec 15, 1975

A281.9 F76FO
Cotton sales skid cuts U.S. Exports to Hong Kong. Champeau, H C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 6-8, 16. Dec 22, 1975

A281.9 F76FO
Cotton weathers the crisis [Supply, demand]. Stevenson, J H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 3-5. Dec 15, 1975

A281.9 F76FO
Demand for U.S. Wheat expanding in Caribbean area. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 16. Dec 15, 1975

A281.9 F76FO
Development program boosts farm output in south Italy. Geerken, F K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 8-9. Jan 12, 1976

A281.9 F76FO
Dry weather retarding USSR winter grains [Production]. Neetz, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 13. Nov 24, 1975

A281.9 F76FO
Egypt looks to Western world for more farm products [Imports]. Parker, J B Jr; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 6-7, 12. Jan 19, 1976

A281.9 F76FO
European Community's use of vegetable oils gaining over animal fats [Consumption]. Tinklepaugh, W C; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 8-9. Jan 19, 1976

A281.9 F76FO
European potato crops decline [Production]. Knapp, R D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 7. Dec 8, 1975

A281.9 F76FO
FAO conference report: New trends take shape [Programs]. Phillips, R W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 10. Jan 12, 1976

A281.9 F76FO
France's grain crops down, but exports may be higher. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 4-5. Nov 24, 1975

A281.9 F76FO
French curtail, shift cotton import trade. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 10-11. Jan 5, 1976

A281.9 F76FO
Grain [production] shortfall underlines weather's impact in USSR. Neetz, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 11-13. Nov 24, 1975

A281.9 F76FO
How Canada markets wheat: government is in charge. Severin, R K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 10-11. Dec 8, 1975

A281.9 F76FO
India's coffee production and exports trending up. Thadani, J A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 8-9. Jan 5, 1976

A281.9 F76FO
Indonesia's rising incomes strengthen demand for meat. Atmadilaga, D; Sorensen, D K; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 10-11. Dec 1, 1975

A281.9 F76FO
Japan to take 300 Ontario hogs per week [Marketing]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 12. Jan 5, 1976

A281.9 F76FO
Liberia to increase imports of U.S. Rice. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 12. Dec 22, 1975

A281.9 F76FO
Libya accents production of meat, milk. Steiner, H H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 5-6. Jan 5, 1976

A281.9 F76FO
Marketing problems force cut in world tomato harvests. Uyeshiro, R Y; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 6-7. Dec 29, 1975

A281.9 F76FO
Mexican grain crops recover from 1974/75 lows [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 5. Jan 19, 1976

A281.9 F76FO
Modest recovery seen in '76 for U.S. Fats and oils exports. Holz, A E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 2-3, 16. Dec 22, 1975

A281.9 F76FO
Most foreign food price rises exceed U.S. Increases. DiCostanzo, S R; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 8-9. Dec 8, 1975

A281.9 F76FO
New Soviet plan stresses slower livestock gains [Production]. Schoonover, D M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 2-4, 12. Jan 19, 1976

A281.9 F76FO
Nigeria to import meat, build cattle sector. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 9. Jan 19, 1976

A281.9 F76FO
No transport crunch yet for record U.S. Grain exports. Pollock, D D; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 2-4, 20. Dec 29, 1975

A281.9 F76FO
Pakistani edible oil imports rise, but U.S. Share slips. Mahmood, A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 7-8. Dec 15, 1975

A281.9 F76FO
Pakistani wheat output up; sufficiency not imminent. Mahmood, A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 10-11. Dec 22, 1975

A281.9 F76FO
Peru boosts poultry output, U.S. Feedgrain imports. Ferree, P J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 12. Dec 15, 1975

A281.9 F76FO
Peru's agricultural reform program picks up headway. Ferree, P J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 10-11. Jan 19, 1976

A281.9 F76FO
Philippine coconut output soars, as prices tailspin [Demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 4. Jan 5, 1976

A281.9 F76FO
Philippine wheat imports to rebound in 1975/76. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 8. Dec 29, 1975

A281.9 F76FO
Port of Galveston marks 150th anniversary [U.S. Agricultural exports]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 8-9. Dec 22, 1975

A281.9 F76FO
Protectionism in beef trade. Bell, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (52): 5. Dec 29, 1975

A281.9 F76FO
Record '76 output should help stabilize world sugar trade. Patty, G E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 10. Nov 24, 1975

A281.9 F76FO
Rising affluence ups demand for U.S. Feeds in Venezuela. Willis, J W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (50): 6-7. Dec 15, 1975

A281.9 F76FO
Some easing seen in world grain situation [Supply]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 5, 16. Jan 12, 1976

A281.9 F76FO
Soviet cotton crop ends run of records [Production]. Byrne, A O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 7. Jan 12, 1976

A281.9 F76FO
Soviet distress slaughter [of hogs and poultry brought about by the poor grain crop] down from September high [Production]. Byrne, A O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 13. Jan 12, 1976

A281.9 F76FO
Soviets promote yeast for livestock protein [Feed supplements]. Goldich, J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 9-10. Jan 5, 1976

A281.9 F76FO
Turkey cuts cotton acres, production sharply. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (2): 11. Jan 12, 1976

A281.9 F76FO
Turkey expanding, updating cotton spinning sector. Baser, M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 7-8, 16. Dec 8, 1975

A281.9 F76FO
U.S. Agricltural exports—"a national asset". Hume, D L; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (47): 2-3, 16. Nov 24, 1975

A281.9 F76FO
U.S. Cotton policy outlined at international meeting [Marketing]. Stevenson, J H; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 6-7. Jan 5, 1976

A281.9 F76FO
U.S. Honey prices firm despite larger imports. Patty, G E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 12. Dec 8, 1975

A281.9 F76FO
U.S. Soybean, meal exports to stage comeback in 1976. Holz, A E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (49): 2-4, 16. Dec 8, 1975

A281.9 F76FO
U.S., USSR set plans for 1976 in agricultural cooperation. Euler, R S; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 4. Dec 22, 1975

A281.9 F76FO
USSR-East European grain market. Bell, R E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (48): 5, 16. Dec 1, 1975

A281.9 F76FO
World tea output to show slight increase in 1975. Dull, R E T; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 13 (51): 5-6. Dec 22, 1975

A281.9 F76FO
World weather watch. Cremins, W J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (1): 16. Jan 5, 1976

A281.9 F76FO
Yugoslav food import needs lowered. Lambert, M; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (3): 16. Jan 19, 1976

FS (Am Wood) U S For Serv

1.9 F76AM
Forest Service films available on loan for educational purposes to schools, civic groups, churches, television. U.S. Forest Service *FS (Am Wood) U S For Serv* 31, Rev., 35 P. July 1975

1.9 F76AM
How the rural community fire protection program can help you. U.S. Forest Service *FS (Am Wood) U S For Serv* 312, 9 P. Sept 1975

1.9 F76AM
The National Forests; National Forest wildernesses and primitive areas. U.S. Forest Service *FS (Am Wood) U S For Serv* 25, Slightly Rev., 12 P. Maps. Aug 1974

1.9 F76AM
What the Forest Service does [Programs]. U.S.; U.S. Forest Service; Forest Service *FS (Am Wood) U S For Serv* 20, Rev., 31 P. Maps. Apr 1975

Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv

ASD11.A325
VIEWIT: computation of seen areas, slope, and aspect for land-use planning [Computer programs]. Travis, M R; Iverson, W D; Eisner, G H; Johnson, C G; U.S. Pacific Southwest Forest and Range Experiment Station *Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv* 11, 70 P. 1975

Home Gard Bull U S Dep Agric

1 AG84HG
Drainage around your home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 210, 8 P. Sept 1975

1 AG84HG
Food guide for older folks [Recipes]. Walker, M A; Hill, M M; U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 17, Slightly Rev., 19 P. Aug 1974

1 AG84HG
Growing flowering annuals [Ornamental plants, culture]. Cathey, H M; U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 91, Rev., 19 P. Map. Oct 1975

1 AG84HG
Protecting shade trees during home construction [Injuries]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 104, Slightly Rev., 8 P. Sept 1975

1 AG84HG
Roses for the home [Culture]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 25, Rev., 23 P. Oct 1975

Leafl U S Dep Agric

1 AG84L
Electric heating of hotbeds [Horticultural ezuipment, vegetables]. Stanley, J M; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 445, Slightly Rev., 8 P. Dec 1975

1 AG84L
How to plan a shooting field in the Northeast and Corn Belt [Recreation]. Allan, P F; Dillon, O W Jr; Smith, H G; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 532, Slightly Rev., 8 P. Mar 1973

1 AG84L
Maintaining watercourses. U.S. Dept. of Agriculture *Leafl U S Dep Agric* 562, 8 P. Nov 1975

1 AG84L
Preventing greenbug [Schizaphis graminum] outbreaks [on small grains and sorghum]. Starks, K J; Wood, E A Jr; Burton, R L; U.S. Dept. of Agriculture *Leafl U S Dep Agric* 309, Rev., 8 P. Feb 1975

Mark Res Rep U S Dep Agric

1 AG84MR
An evaluation of two shell egg marketing systems [Costs]. Lederer, B E; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1046, 25 P. Dec 1975

1 AG84MR
Basic labor productivity measures for popular breakfast menu items [Food service industry]. Freshwater, J F; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1044, 207 P. June 1975

1 AG84MR
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. Speirs, R D; McDonald, L L; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1039, 14 P. Sept 1975

Misc Publ U S Dep Agric

1 AG84M
A job with the Forest Service; a guide to nonprofessional employment. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 843, Rev., 18 P. Map. Aug 1975

1 AG84M
Association of plant hairs and insect resistance; an annotated bibliography. Webster, J A; U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1297, 18 P. Ref. Sept 1975

1 AG84M
Careers in Soil Conservation Service. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 717, Slightly Rev., 12 P. Dec 1975

1 AG84M
Cattle chute—adjustable type. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1318, 2 P. Oct 1975

1 AG84M
Community building. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1307, 2 P. May 1975

1 AG84M
Hog feeder [Construction]. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1302, 2 P. Aug 1975

1 AG84M
Horse barn capacity 88 horses. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1310, 2 P. June 1975

1 AG84M
House for dry sows. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1317, 2 P. Oct 1975

1 AG84M
Maternity barn for dairy cows. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1311, 2 P. Aug 1975

1 AG84M
One-bedroom duplex. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1301, 2 P. June 1975

1 AG84M
Portable footbath for sheep. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1306, 2 P. May 1975

1 AG84M
Storage building for fruits. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1309, 2 P. Aug 1975

1 AG84M
Wagon rack for silage-feeding. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1305, 2 P. May 1975

1 AG84M
3-bedroom house with basement. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1299, 2 P. June 1975

News Farmer Coop

166.2 N47
Benchmarks show pioneering aspects of farmer cooperatives [History]. U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 16-17. Oct 1975

166.2 N47
FAR-MAR-CO [farmers marketing cooperative] implementing producer wheat marketing system. Ingalsbe, G; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 4-7. Oct 1975

166.2 N47
Leadership institute brainstorms everchanging climates, theories [Cooperatives]. Ward, C; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 12-14. Oct 1975

166.2 N47
Management principles put to test in crisis situation. Wiebe, O R; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 8-9. Oct 1975

166.2 N47
Packing peaches will never be the same in southeast Missouri [Marketing cooperatives]. Williams, R; Brown, P F; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 10-11. Oct 1975

166.2 N47
Targets taking shape for education, research [Cooperatives]. Hallberg, O K; U.S. Farmer Cooperative Service *News Farmer Coop* 42 (7): 20-22. Oct 1975

PA U S Dep Agric

1 AG84PRO
Backpacking in the National Forests, a family adventure. U.S. Dept. of Agriculture *PA U S Dep Agric* 585, Slightly Rev., 27 P. July 1975

1 AG84PRO
Emergency livestock "line of credit" guarantees [Farmers Home Administration, rural loans. U.S. Dept. of Agriculture *PA U S Dep Agric* 1127, 3 P. Oct 1975

1 AG84PRO
Farmers Home Administration credit for American Indians. U.S. Dept. of Agriculture *PA U S Dep Agric* 1129, 3 P. Nov 1975

1 AG84PRO
Food storage guide for schools and institutions. U.S. Dept. of Agriculture *PA U S Dep Agric* 403, Rev., 33 P. Nov 1975

1 AG84PRO
Moving? Traveling? Trading plants? Leave pests behind [Quarantine]. U.S. Dept. of Agriculture *PA U S Dep Agric* 1125, 4 P. Nov 1975

1 AG84PRO
Outdoor safety tips. U.S. Dept. of Agriculture *PA U S Dep Agric* 887, Slightly Rev., 13 P. July 1975

1 AG84PRO
This is Cooperative Extension [Service of the U.S. Department of Agriculture]. U.S. Dept. of Agriculture *PA U S Dep Agric* 819, 8 P. 1973

Plant Dis Rep

1.9 P69P
Aerial application of systemic and nonsystemic fungicides for control of mummy berry disease [Monilinia vaccinii-corymbosi] of highbush blueberry. Ramsdell, D C; Nelson, J W; Myers, R L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 873-876. Nov 1975

1.9 P69P
Black spot: a nonparasitic disease of bell pepper fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. Villalon, B; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 926-927. Nov 1975

1.9 P69P
Control of needle cast [Lophodermium pinastri] of Scotch pine [Pinus sylvestris] in South Carolina [Leptostroma]. Witcher, W; Arnett, J D; Baxter, L W; Cocke, M L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 881-883. Nov 1975

1.9 P69P
Effect of inoculum level and plant age on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. Singh, N D; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 905-908. Ref. Nov 1975

1.9 P69P
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. Yang, S L; Zettler, F W; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 902-905. Ref. Nov 1975

1.9 P69P
Effects of beet western yellows virus on crambe in the greenhouse. Duffus, J E; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 886-888. Ref. Nov 1975

1.9 P69P
Hendersonula toruloidea associated with a serious wilt disease of shade trees [Ficus benghalensis] in the Sudan. Giha, O H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 899-902. Nov 1975

1.9 P69P
Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. Wilkinson, J F; Martin, D P; Larsen, P O; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 935-938. Nov 1975

1.9 P69P
Lack of foliar protection from early blight [Alternaria solani] by aircraft-applied fungicides on sprinkler-irrigated potatoes. Easton, G D; Nagle, M E; Bailey, D L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 910-914. Ref. Nov 1975

1.9 P69P
Leaf scald [Rhynchosporium oryzae] of rice, a new disease in Bangladesh. Bakr, M A; Miah, S A; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 909. Nov 1975

1.9 P69P
Monilinia [laxa] life cycle on sweet cherries and its control by overhead sprinkler fungicide applications. Ogawa, J M; Manji, B T; Schreader, W R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 876-880. Nov 1975

1.9 P69P
Occurrence an incidence of cucumber mosaic virus and alfalfa mosaic virus on celery in Israel. Marco, S; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 915-917. Nov 1975

1.9 P69P
Pea enation mosaic virus resistance among commercial breeding lines of Pisum sativum. Hagedorn, D J; Hampton, R O; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 895-899. Nov 1975

1.9 P69P
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. Wells, J M; Bennett, A H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 931-935. Nov 1975

1.9 P69P
Rapid indexing procedures for detecting yellow speckle disease in grapevines [Virus diseases]. Mink, G I; Parsons, J L; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 869-872. Nov 1975

1.9 P69P
Reduction of apple scab fungus [Venturia inaequalis] inoculum with fungicides. Alexander, S A; Lewis, F H; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 890-894. Nov 1975

1.9 P69P
Resistance in Glycine max [soybean] to isolates of bean yellow mosaic virus in New York State. Provvidenti, R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 917-919. Nov 1975

1.9 P69P
Response of soybean cultivars to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and Sclerotium rolfsii [Nematodes]. Minton, N A; Parker, M B; Flowers, R A; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 920-923. Ref. Nov 1975

1.9 P69P
Shoot blights of ohia and koa [Metrosideros collina polymorpha, Acacia koa] caused by Calonectria theae. Nishijima, W T; Aragaki, M; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 883-885. Ref. Nov 1975

1.9 P69P
Some leguminous hosts for potato virus X [Gomphrena globosa]. Fribourg, C; Zoeten, G A de; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 923-925. Nov 1975

1.9 P69P
Thecaphora solani on potatoes in Peru: present distributionand varietal resistance. Zachmann, R; Bauman, D; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 928-931. Ref. Nov 1975

1.9 P69P
Wheat spindle streak mosaic virus in Kentucky. Williams, A S; Plrone, T P; Slykhuis, J T; Tutt, C R; U.S. Agricultural Research Service Crops Research Division *Plant Dis Rep* 59 (11): 888-889. Nov 1975

Poult Egg Situation

1.9 EC752F PES
Prices and price spreads for turkeys in November and December. Blase, K E; Lesesne, S F; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* 284: 26-27. Nov 1974

1.9 EC752F PES
Production and marketing costs and margins for poultry and eggs. Rogers, G B; Benson, V W; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* 284: 23-25. Nov 1974

Prod Res Rep Agric Res Serv U S Dep Agric

A281.9 AG8
Ginning of narrow-row cotton. Wanjura, D F; Baker, R V; U.S. Dept. of Agriculture *Prod Res Rep Agric Res Serv U S Dep Agric* 160, 8 P. Dec 1975

Pulse

AHD28.P8
Ducks in a row [Retirement, U.S. Dept. Of Agriculture employees]. Taccino, E J; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 11. Aug 1975

AHD28.P8
Economic analysis—auditor training and field experience. Moore, S; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 17-19. Aug 1975

AHD28.P8
Planning program audits. Fisch, J E; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 9-11. May 1974

AHD28.P8
Setting the stage [for a Federal audit]. Neal, R L; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 25. Aug 1975

AHD28.P8
The mass media and a future breed of public administrators. Bolduc, J P; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 14-16. Aug 1975

AHD28.P8
Those old cotton fields down home [Agricultural Stabilization and Conservation Service]. Collins, O O; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 14. May 1974

AHD28.P8
Turn yourself on [Professional development]. Bolduc, J P; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 5-8. May 1974

AHD28.P8
What audit means to the Director, Office of Audit [U.S. Dept. of Agriculture]. Greess, L H; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 6-7. Aug 1975

AHD28.P8
What audit means to the Chief, Forest Service [U.S. Dept. Of Agriculture]. McGuire, J R; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 7-8. Aug 1975

AHD28.P8
What audit means to the Kentucky State Conservationist, Soil Conservation Service. Murray, G E; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 8-9. Aug 1975

AHD28.P8
What audit means to a program manager, Food and Nutrition Service. Garnett, S; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 9-10. Aug 1975

AHD28.P8
What audit means to the Dickson County, Tennessee, County Supervisor, Farmers Home Administration. Sanders, J A; U.S. Dept. of Agriculture Office of Audit *Pulse* P. 10. Aug 1975

Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)

A99.9 F7625UN
1974 Oregon timber harvest [Board feet]. Lloyd, J D; U.S. Pacific Northwest Forest and Range Experiment Station *Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)* 63, 2 P. Nov 1975

Stat Rep World Agric Prod Trade

1.9 ST2F SUPPL.
Jute and kenaf production down in 1975-76. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 10-11. Nov 1975

1.9 ST2F SUPPL.
Record world sugar and molasses production in 1975/76. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 20-26. Nov 1975

1.9 ST2F SUPPL.
World cottonseed production down, oil and meal exports to decline in 1976. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 1-5. Nov 1975

1.9 ST2F SUPPL.
World flaxseed production and exports. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 16-19. Nov 1975

1.9 ST2F SUPPL.
World hops crop dips [Production]. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 6-7. Nov 1975

1.9 ST2F SUPPL.
World production of peanuts up. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 12-15. Nov 1975

1.9 ST2F SUPPL.
World walnut crop up [Production]. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 8-9. Nov 1975

1.9 ST2F SUPPL.
World wool production in 1975. U.S. Foreign Agricultural Service *Stat Rep World Agric Prod Trade* P. 27-28. Nov 1975

Tech Bull Agric Res Serv U S Dep Agric

1 AG84TE
A closed-loop cotton-moisturization system for cotton ginning. Columbus, E P; Baker, R V; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1513, 12 P. Sept 1975

1 AG84TE
A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia Goux (Homoptera: Coccoidea: Pseudococcidae) [New taxa]. Miller, D R; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1497, 61 P. Ref. Sept 1975

1 AG84TE
Host records for Lepidoptera reared in eastern North America. Ferguson, D C; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1521, 49 P. Ref. Dec 1975

1 AG84TE
Insect-resistant textile bags: new construction and treatment techniques [Cotton]. Highland, H A; Secreast, M; Yeadon, D A; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1511, 12 P. Sept 1975

1 AG84TE
Predicting employment in four regions of the western UnitedStates. Bender, L D; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1529, 30 P. Map. Nov 1975

U S Agric Res Serv West Reg ARS W

AS21.A75U5
Bibliography of the codling moth [Laspeyresia pomonella, fruits, walnuts]. Butt, B A; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 31, 221 P. Ref. Nov 1975

AS21.A75U5
Growth and fruiting of two Pima cottons. Butler, G D Jr; Kittock, D L; Pinkas, L L H; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 28, 24 P. Aug 1975

U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn

ASD11.A46
Research Natural Area needs in the Pacific Northwest; a contribution to land-use planning. Report on Natural Area Needs Workshop; November 29—December 1, 1973, Wemme, Oregon [Forest ecosystems]. Dyrness, C T; Franklin, J F; Maser, C; Cook, S A; Hall, J D; U.S. Pacific Northwest Forest and Range Experiment Station *U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn* 38, 231 P. Map. 1975

ASD11.A46
Silvicultural use of herbicides in Pacific Northwest forests. Gratkowski, H; U.S. Pacific Northwest Forest and Range Experiment Station *U S D A For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn* 37, 44 P. Ref. 1975

U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn

ASD11.A48
An attempt (and failure) to correlate duff removal and slash fire heat [Broadcast burning, Pseudotsuga menziesii, Larix]. Albini, F A; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 24, 16 P. Aug 1975

ASD11.A48
Portable oscilloscope technique for detecting dormancy in [forest] nursery stock. Ferguson, R B; Ryker, R A; Ballard, E D; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 26, 16 P. 1975

ASD11.A48
Time study techniques for logging systems analysis. Gibson, D F; Rodenberg, J H; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn* 25, 32 P. Sept 1975

U S D A For Serv Res Note FPL (U S Dep Agric For Prod Lab)

A99.9 F7634UN
Mechanical properties of 23 species of eastern hardwoods. Bendtsen, B A; Ethington, R L; U.S. Forest Products Laboratory *U S D A For Serv Res Note FPL (U S Dep Agric For Prod Lab)* 0230, 12 P. Ref. Aug 1975

U S D A For Serv Res Pap FPl

A99.9 F7634U
Dielectric properties of wood and hardboard: variation with temperature, frequency, moisture content, and grain orientation. James, W L; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 245, 32 P, Ref. 1975

A99.9 F7634U
Humidity effects on properties of structural particleboards from forest residues. McNatt, J D; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 267, 13 P. 1975

A99.9 F7634U
Storage of red alder [Alnus rubra] chips with and without bark—treated and untreated. Springer, E L; Schmidt, F L; Feist, W C; Zoch, L L; Hajny, G J; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 261, 9 P. 1975

U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)

A99.9 F764U
Deterioration of aspen [Populus tremuloides] clones in the middle Rocky Mountains [Regeneration]. Schier, G A; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 170, 14 P. Ref. July 1975

A99.9 F764U
Economic importance of tourism in Montana [Forests]. Polzin, P E; Schweitzer, D L; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 171, 19 P. July 1975

A99.9 F764U
Gain and loss of moisture in large forest [fire] fuels. Brackebusch, A P; U.S. Intermountain Forest and Range Experiment Station *U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)* 173, 50 P. 1975

U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn

A99.9 F7623U
How to keep one-third of Georgia in pine [Pinus, rotation]. Boyce, S G; McClure, J P; U.S. Southeastern Forest Experiment Station *U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn* 144, 23 P. Maps. Eng. Sum. Nov 1975

U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)

A99.9 F7622UF
The forest-land owners of New Jersey. Kingsley, N P; U.S. Northeastern Forest Experiment Station *U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)* 39, 24 P. 1975

A99.9 F7622UF
The forest-land owners of Delaware [Statistics]. Kingsley, N P; Finley, J C; U.S. Northeastern Forest Experiment Station *U S D A For Serv Resour Bull NE (U S Dep Agric Northeast For Exp Stn)* 38, 19 P. 1975

U S Dep Agric Econ Res Serv WMC

AHG3810.A2U5
World monetary conditions in relation to agricultural trade. Atkinson, L J; Manfredi, E; Vellianitis-Fidas, A; U.S. Dept. of Agriculture Economic Research Service *U S Dep Agric Econ Res Serv WMC* 9, 30 P. Nov 1975

USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)

A99.9 F7622U
A test of point-sampling in northern hardwoods. Solomon, D S; U.S. Northeastern Forest Experiment Station *USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)* 215, 2 P. 1975

A99.9 F7622U
An improved apparatus for pressure-injecting fluid into trees. Gregory, G F; Jones, T W; U.S. Northeastern Forest Experiment Station *USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)* 214, 6 P. 1975

USDA For Serv Gen Tech Rep NC North Cent For Exp Stn

ASD11.A352
Introduction to uses and interpretation of principal component analysis in forest biology. Isebrands, J G; Crow, T R; U.S. North Central Forest Experiment Station *USDA For Serv Gen Tech Rep NC North Cent For Exp Stn* 17, 19 P. Ref. 1975

USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)

ASD11.U56
Interim guide to regeneration of Allegheny hardwoods. Marquis, D A; Grisez, T J; Bjorkbom, J C; Roach, B A; U.S. Northeastern Forest Experiment Station *USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)* 19, 14 P. Ref. 1975

USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric

ASD11.A42
An aid to streamlining [forest] fire-weather station networks. Furman, R W; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric* 17, 4 P. Map. Sept 1975

USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg

ASD11.A42
Forest habitat types on the Medicine Bow National Forest, southeastern Wyoming: preliminary report [Plant communities]. Wirsing, J M; Alexander, R R; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg* 12, 11 P. Map. Ref. June 1975

ASD11.A42
Selected bibliography of wildlife and habitats for the Southwest. Patton, D R; Ffolliott, P F; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn West Reg* 16, 39 P. Ref. Sept 1975

USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn

ASD433.A53
Southern pine [Pinus] seed and cone insects. Ebel, B H; Flavell, T H; Drake, L E; Yates, H O III; DeBarr, G L; U.S. Southeastern Forest Experiment Station *USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn* 8, 41 P. Maps. Ref. 1975

USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)

A99.9 F7625U
Field and laboratory techniques for evaluating hemlock sawfly [Neodiprion tsugae] infestations [Tsuga]. Hard, J S; Torgersen, T R; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 252, 23 P. Ref. Aug 1975

A99.9 F7625U
Graft incompatibility in Pinus contorta. Copes, D L; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 260, 9 P. Oct 1975

A99.9 F7625U
Observations on the rhizomes and roots of Vaccinium membranaceum [huckleberry]. Minore, D; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 261, 5 P. Ref. Oct 1975

A99.9 F7625U
Red squirrel response to clearcut and shelterwood systems in interior Alaska. Wolff, J O; Zasada, J C; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 255, 7 P. Map. Ref. Sept 1975

A99.9 F7625U
Using motion pictures for data collection on prescribed burning experiments. Pickford, S G; Sandberg, D V; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 259, 7 P. Sept 1975

USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn

A99.9 F7632US
Avalanche fatalities in the United States, 1950-75. Williams, K; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn* 300, 4 P. Sept 1975

USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)

A99.9 F7623UN
The native vegetation in south Florida related to month of [prescribed] burning [Pinus]. Hughes, R H; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 222, 8 P. Ref. June 1975

A99.9 F7623UN
Virginia pine [Pinus virginiana] as a Christmas tree. Belanger, R P; Bramlett, D L; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 223, 4 P. July 1975

USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)

ASD11.A34
Crown release accelerates diameter growth and crown development of yellow birch [Betula alleghaniensis] saplings. Erdman, G G; Godman, R M; Oberg, R R; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 117, 9 P. 1975

ASD11.A34
Debarking chips from whole trees [Populus, Acer saccharum, Pinus banksiana] in the Lake States. Mattson, J A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 115, 9 P. 1975

ASD11.A34
Growth of four types of white oak [Quercus alba] reproduction after clearcutting in the Missouri Ozarks. McQuilkin, R A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 116, 5 P. 1975

ASD11.A34
Pruning pin oak [Quercus palustris] in southeastern Missouri. McQuilkin, R A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 121, 5 P. 1975

ASD11.A34
Vertebrate animal populations of the McCormick Forest [Michigan]. Robinson, W L; Werner, J K; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 118, 25 P. Map. Ref. 1975

USDA For Serv Res Pap NE (U S Northeast For Exp Stn)

A99.9 F7622UN
An automated rough mill for the production of interior furniture parts. Araman, P A; Lucas, E L; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 335, 5 P. 1975

A99.9 F7622UN
Foliar nutrient variation in four species of upland oaks [Quercus]. Auchmoody, L R; Hammack, K P; U.S. Northeastern Forest Experiment Station *USDA For Serv Res,Pap NE (U S Northeast For Exp Stn)* 331, 16 P. 1975

A99.9 F7622UN
Low-temperature forced-air drying of Appalachian hardwoods. Cuppett, D G; Craft, E P; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 328, 10 P. 1975

A99.9 F7622UN
Manufacturing interior furniture parts: a new look at an old problem [Wood utilization]. Lucas, E L; Araman, P A; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 334, 6 P. 1975

A99.9 F7622UN
Stump sprout growth and quality of several Appalachian hardwood species after clearcutting. Wendel, G W; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 329, 9 P. 1975

A99.9 F7622UN
Uneven-aged management of northern hardwoods in New England. Leak, W B; Filip, S M; U.S. Northeastern Forest Experiment Station *USDA For Serv Res Pap NE (U S Northeast For Exp Stn)* 332, 15 P. Ref. 1975

USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn

A99.9 F7625UNI
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. Carolin, V M; Coulter, W K; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn* 195, 16 P. 1975

A99.9 F7625UNI
Field and computer techniques for stem analysis of coniferous forest trees. Herman, F R; DeMars, D J; Woollard, R F; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)* 194, 51 P. Map. Ref. 1975

USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)

A99.9 F7652P
Ohia [Metrosideros collina] forest decline [of unknown origin]: its spread and severity in Hawaii. Petteys, E Q P; Burgan, R E; Nelson, R E; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)* 105, 11 P. Maps. 1975

USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn

A99.9 F7632U
Development of some young aspen [Populus tremuloides] stands in Arizona. Jones, J R; Trujillo, D P; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn* 151, 11 P. Ref. Aug 1975

A99.9 F7632U
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of ponderosa pine. Rietveld, W J; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn* 153, 15 P. Ref. Sept 1975

USDA For Serv Res Pap SE U S Southeast For Exp Stn

A99.9 F7623U
Fifteenth-year results from progeny tests of slash pine [Pinus elliottii]. Sluder, E R; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Pap SE U S Southeast For Exp Stn* 140, 15 P. Ref. Oct 1975

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

A E Ext Dep Agric Econ N Y State Coll Agric Contract Coll State Univ Cornell Univ

281.9 C81AE
A descriptive study of the New York Capital District vegetable industry, 1974. Pillemer, E; Good, D; Minges, P; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Ext Dep Agric Econ N Y State Coll Agric Contract Coll State Univ Cornell Univ* 75-22, 33 P. Maps. Sept 1975

A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric

281.9 C81A
Energy demand and water resource management: some economic aspects [Cost models]. Lyon, D K; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-32, 124 P. Maps. Ref. Dec 1975

281.9 C81A
Field crops costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-26, 35 P. Oct 1975

281.9 C81A
Fruit and vegetable crops costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-27, 45 P. Oct 1975

281.9 C81A
Livestock costs and returns from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-25, 19 P. Oct 1975

281.9 C81A
Overhead costs from farm cost accounts. 37 farms, 1974. Snyder, D P; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric* 75-24, 36 P. Oct 1975

A E Res N Y State Univ Dep Agric Econ

281.9 C81A
A regional summary of United States farming [Statistics]. Sisler, D G; Kramer, J M; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-2, 85 P. Map. Mar 1975

281.9 C81A
Impact of floods and flood management policy on area economic development and recovery. Boisvert, R N; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-31, 71 P. Map. Ref. Dec 1975

281.9 C81A
Land use legislation in the Northeast: New Hampshire. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-13, 67 P. Sept 1975

281.9 C81A
Land use legislation in the Northeast: Maine. Lesher, W G; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-12, 36 P. Sept 1975

281.9 C81A
Retailing florist crops through mass merchandising outlets: Rochester, New York and Hartford, Connecticut. Goodrich, D; Avermaete, U; New York (State) Cornell Agricultural Experiment Station, Ithaca; New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics *A E Res N Y State Univ Dep Agric Econ* 75-8, 25 P. June 1975

Arkansas Farm Res

100 AR42F
Additional developments on the automated cage system for growing broilers. Nelson, G S; Shelby, K R; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 5. Nov/Dec 1975

100 AR42F
'Comet,' an early strawberry [variety] for Arkansas. Moore, J N; Bowden, H L; Sistrunk, W A; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 3. Nov/Dec 1975

100 AR42F
Economic evaluation of hay harvesting methods [Costs]. Garner, C R; Halbrook, W A; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 12. Nov/Dec 1975

100 AR42F
Factors affecting the selectivity of dinitramine [herbicide] in soybeans. Kennedy, J M; Frans, R E; Talbert, R E; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 15. Nov/Dec 1975

100 AR42F
Feeding value of hardwood sawdust in dairy [cattle] rations. Keith, E A; Daniels, L B; Hornsby, Q R; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 13. Nov/Dec 1975

100 AR42F
Influence of high relative humidity on performance of strains of commercial broilers. Harris, G C Jr; Nelson, G S; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 7. Nov/Dec 1975

100 AR42F
Relationship between LP [liquified petroleum] gas usage and amount of roof insulation in Arkansas broiler houses. Riley, W B Jr; Redfern, M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 4. Nov/Dec 1975

100 AR42F
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to control Aeschynomene virginica in rice]. Beasley, J N; Patterson, L T; Templeton, G E; Smith, R J Jr; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 16. Nov/Dec 1975

100 AR42F
Response of nodulating and non-nodulating soybean isolines to applied nitrogen. Bhangoo, M S; Albritton, D J; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 14. Nov/Dec 1975

100 AR42F
Small plot tests of insecticidal sprays for bollworm-budworm [Heliothis zea-Heliothis virescens] control on cotton. Dean, G; Lincoln, C; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 6. Nov/Dec 1975

100 AR42F
Susceptibility of sweetpotato lines to development of hardcore, a chilling disorder [Physiological diseases]. Buescher, R W; Sistrunk, W A; Bowers, J L; Boettinger, C F; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 2. Nov/Dec 1975

100 AR42F
The Beef Substation [of the University of Arkansas, Agricultural Experiment Station, cattle breeding]. Wallace, B; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 10. Nov/Dec 1975

100 AR42F
The Delta Branch station [of the University of Arkansas, Agricultural Experiment Station, culture of field crops]. Williams, W; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 8-9. Nov/Dec 1975

100 AR42F
The Land Use Project [of the University of Arkansas, Agricultural Experiment Station]. Ashley, T J; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (6): 11. Nov/Dec 1975

Bull Agric Exp Stn Auburn Univ

100 AL1S (1)
Field experiments with magnesium in Alabama—cotton, corn, soybeans, peanuts. Adams, F; Alabama Agricultural Experiment Station *Bull Agric Exp Stn Auburn Univ* 472, 17 P. Aug 1975

100 AL1S (1)
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and wildlife habitat in the hilly Coastal Plain of Alabama. Chen, M Y; Hodgkins, E J; Watson, W J; Alabama Agricultural Experiment Station *Bull Agric Exp Stn Auburn Univ* 473, 19 P. Ref. Sept 1975

Bull Agric Exp Stn Div Agric Univ Arkansas

100 AR42
Use of predictive equations for estimating the net energy value of forages. Stallcup, O T; Johnson, Z; Brown, C J; Arkansas Agricultural Experiment Station *Bull Agric Exp Stn Div Agric Univ Arkansas* 801, 18 P. Ref. Sept 1975

Bull Conn Agric Exp Stn New Haven

100 C76ST (1)
Science and the world food problem. Evenson, R E; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 758, 9 P. Map. Ref. 1975?

100 C76ST (1)
The biochemistry and methodology of composting. Poincelot, R P; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 754, 18 P. Ref. Sept 1975

100 C76ST (1)
Water chemistry and fertility of twenty-three Connecticut lakes. Norvell, W A; Frink, C R; Connecticut Agricultural Experiment Station *Bull Conn Agric Exp Stn New Haven* 759, 45 P. Map. Ref. Oct 1975

Bull Conn Storrs Agric Exp Stn

100 C76S
1980 projections of populations by age and town for Connecticut. Steahr, T E; Connecticut Storrs Agricultural Experiment Station *Bull Conn Storrs Agric Exp Stn* 440, 34 P. Ref. Dec 1975

Bull Inst Agric Sci

100 AL122B
Creating a northern agriculture. III. Defining parameters of agricultural potential in Alaska [Management]. Burton, W E; Alaska Agricultural Experiment Station, Palmer *Bull Inst Agric Sci* 44, 35 P. Map. Ref. Aug 1975

100 AL122B
Supplying Alaska's red meat & poultry markets. Stephens, C A; Thomas, W C; Burke, V H; Alaska Agricultural Experiment Station, Palmer *Bull Inst Agric Sci* 41, 41 P. Map. May 1975

Bull Kans Agric Exp Stn

100 K13S (1)
Value of crop production in Kansas [Returns]. Primm, B K; Orazem, F; Kansas Agricultural Experiment Station *Bull Kans Agric Exp Stn* 584, 11 P. Maps. Jan 1975

Bull Mont Agric Exp Stn Mont State Univ

100 M76 (1)
The demand for beef in Japan: an economic analysis and implications. Rachman, A; Wheeler, R O; Marsh, J M; Montana Agricultural Experiment Station *Bull Mont Agric Exp Stn Mont State Univ* 680, 31 P. July 1975

Bull N D Agric Exp Stn

100 N813
Production potential of sugarbeets under irrigation in the West Oakes Irrigation District [Yields]. Bauer, A; Heimbuch, T; Cassel, D K; Zimmerman, L; North Dakota Agricultural Experiment Station *Bull N D Agric Exp Stn* 498, 94 P. Ref. Aug 1975

Bull N J Agric Exp Stn Coll Agric Environ Sci Rutgers Univ State Univ N J

100 N46S (1)
An analysis of indoor potted flowering plant purchase behavior [Marketing]. Jensen, F E; Kirschling, P J; New Jersey Agricultural Experiment Station *Bull N J Agric Exp Stn Coll Agric Environ Sci Rutgers Univ State Univ N J* 843, 44 P. Apr 1975

Bull Pa Agric Exp Stn

100 P381
Heating soils, soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. Aldrich, R A; Schroeder, M E; Keppeler, R A; Diener, G H; Pennsylvania Agricultural Experiment Station *Bull Pa Agric Exp Stn* 800, 37 P. Ref. Mar 1975

Bull Pa State Univ Coll Agric Agric Exp Stn

100 P381
Impact of the extension of unemployment insurance to agricultural employment in Pennsylvania. Warland, R H; Holt, J S; Pennsylvania Agricultural Experiment Station *Bull Pa State Univ Coll Agric Agric Exp Stn* 798, 73 P. Dec 1974

Bull Univ Maine Orono Life Sci Agric Exp Stn

100 M28S (1)
Utilization of production and marketing information by Maine potato producers. Pelsue, N H Jr; Maine Life Sciences and Agriculture Experiment Station *Bull Univ Maine Orono Life Sci Agric Exp Stn* 716, 16 P. Apr 1975

Bull Univ R I Agric Exp Stn

100 R34S (2)
A comparison of phosphate and non-phosphate detergents in the laundering of men's shirting fabrics. Avery, C E; Harabin, D E; Rhode Island Agricultural Experiment Station *Bull Univ R I Agric Exp Stn* 415, 82 P. Ref. 1975

Bull Wash (State) Agric Exp Stn

100 W27E
A regional analysis of injury to deciduous fruit trees by the freeze of December, 1972. Bates, E; Horn, A; Stebbins, R; Burkhart, D; Thienes, J; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 813, 11 P. Maps. July 1975

100 W27E
High crude-fiber rations for finishing cattle. Heinemann, W W; Dyer, I A; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 816, 4 P. Sept 1975

100 W27E
Problems in the management of the National School Lunch Program in Washington school districts. Price, D W; Price, D Z; Womach, J; Washington (State) Agricultural Experiment Station *Bull Wash (State) Agric Exp Stn* 817, 19 P. Oct 1975

Calif Agric

100 C12CAG
Biological aquatic weed control by fish in the lower Sonoran Desert of California. Legner, E F; Hauser, W J; Fisher, T W; Medved, R A; California Agricultural Experiment Station *Calif Agric* 29 (11): 8-10. Nov 1975

100 C12CAG
Effect of water quality and irrigation frequency on farm income in the Imperial Valley. Noel, J; Moore, C V; Robinson, F; Snyder, J H; California Agricultural Experiment Station *Calif Agric* 29 (11): 12-14. Nov 1975

100 C12CAG
Irrigating for maximum alfalfa seed yield. Hagemann, R W; Willardson, L S; Marsh, A W; Ehlig, C F; California Agricultural Experiment Station *Calif Agric* 29 (11): 14-15. Nov 1975

100 C12CAG
Mosquito and chironomid midge control by planaria [Insect pests, biological control]. Legner, E F; Yu, H S; Medved, R A; Badgley, M E; California Agricultural Experiment Station *Calif Agric* 29 (11): 3-6. Nov 1975

100 C12CAG
Restricted feeding of Leghorn layers [Chickens]. Swanson, M H; Johnston, G W; California Agricultural Experiment Station *Calif Agric* 29 (11): 10-11. Nov 1975

100 C12CAG
Separation of blank pistachio nuts by mechanical harvesting. Crane, J C; Dunning, J J; California Agricultural Experiment Station *Calif Agric* 29 (11): 6-7. Nov 1975

100 C12CAG
What is an agricultural scientist? Kendrick, J B Jr; California Agricultural Experiment Station *Calif Agric* 29 (11): 2. Nov 1975

Circ Agric Exp Stn Auburn Univ

100 AL1S (2)
Polymorphic site index curves for natural sweetgum [Liquidambar styraciflua] in Alabama. Lyle, E S Jr; Patterson, R M; Hicks, D R; Bradley, E L; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 220, 7 P. Map. Ref. Oct 1975

Circ Wash Agric Exp Stn

100 W27S
An analysis of salaries and personnel characteristics in the fruit industry of northcentral Washington. Duft, K D; Dewbre, J; Washington (State) Agricultural Experiment Station *Circ Wash Agric Exp Stn* 588, 13 P. Dec 1975

Ga Agric Res

100 G295
Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. Tippins, H H; Dupree, M; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 4-5. Summer 1975

100 G295
Dairy cattle—providers, not users—of human food [Feeding]. Ely, L O; McCullough, M E; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 9-13. Summer 1975

100 G295
Fertilization of double cropping and no-till systems: a review and a projection [Maize]. Gallaher, R N; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 14-20, 27. Ref. Summer 1975

100 G295
Irrigation for maximum yields [Economic crops]. Keisling, T; Smittle, D; Stansell, J; Walker, M; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 24-27. Summer 1975

100 G295
Narrow row cotton—for Georgia? [Planting density]. Baker, S H; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 6-8. Summer 1975

100 G295
The calcium, magnesium and micronutrient contents of agricultural liming materials available to Georgia farmers. Jones, L S; Anderson, O E; Jones, J B Jr; Georgia Agricultural Experiment Stations *Ga Agric Res* 17 (1): 21-23. Summer 1975

Great Plains Agric Counc Publ

S27.A3
A conceptual framework for rural development. Gessaman, P H; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 1-18. 1975

S27.A3
Applying Federal rural development programs to Great Plains conditions. Hady, T F; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 96-104. 1975

S27.A3
Development potentials of the Northern Great Plains: a panel. Daves, T; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 136-140. Map. 1975

S27.A3
Factors affecting rural development in the [Great] Plains: a panel. Baker, M; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 113-116. 1975

S27.A3
Government programs for the farming economy in the Great Plains. Tweeten, L; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 19-51. Ref. 1975

S27.A3
How the agricultural supply sector is changing in the GreatPlains. Preston, H J; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 83-95. 1975

S27.A3
Impact of transportation of agricultural inputs and products on rural development in the Great Plains. Baumel, C P; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 52-69. Ref. 1975

S27.A3
Major problems in rural development unique to the Great Plains: a panel. Lewis, G D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 108-112. 1975

S27.A3
Physical potentials, projections, and problems in natural resource development: a panel. Schutz, W D; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 117-128. 1975

S27.A3
Problems unique to the Great Plains as related to rural development: a panel. Hertsgaard, T; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 105-107. 1975

S27.A3
Rural development in the Great Plains: problems and potentials. Seminar of the Great Plains Resource Economics Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. Badger, D D ed; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75, 140 P. Map. Ref. 1975

S27.A3
Rural development and quality of life in the Great Plains: a panel. Nayes, L M; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 70-75. 1975

S27.A3
Rural development and quality of life in the Great Plains: a panel. Gomez, B; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 76-82. 1975

S27.A3
Rural development in areas of the Great Plains with declining natural resources: a panel. Young, K B; Great Plains Agricultural Council Research Committee *Great Plains Agric Counc Publ* 75: 129-135. 1975

Instit/vol Feeding

TX1.I55
Back home on the range: calf, grass-fed beef. *Instit/vol Feeding* 77 (4): 33 Aug 15, 1975

LSU For Notes

99.8 L93
Metric-unit volume equations for southern pine [Pinus]. Keister, T D; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 116, 4 P. Sept 1975

99.8 L93
Noise hazards on forestry operations in the South. McDermid, R W; McKnight, J R; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 114, 4 P. Ref. Aug 1975

99.8 L93
Plant species checklist for the Lac des Allemands swamp area of Louisiana. Conner, W H; Noble, R E; Day, J W Jr; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 113, 5 P. July 1975

99.8 L93
Results of marketing Louisiana-grown Christmas trees [Pinus, Juniperus virginiana, Cupressus arizonica]. Brewer, C W; Louisiana Agricultural Experiment Station; Louisiana State University and Agricultural and Mechanical; College School of Forestry And Wildlife Management *LSU For Notes* 112, 3 P. May 1975

Mimeogr Ser Univ Arkansas Agric Exp Stn

100 AR42M
Field screening of new chemicals for herbicidal activity, 1975 [Economic crops]. Talbert, R E; Frans, R E; Ramthun, I E; Arkansas Agricultural Experiment Station *Mimeogr Ser Univ Arkansas Agric Exp Stn* 236, 19 P. Nov 1975

Misc Rep Minn Agric Exp Stn

100 M66 (1)
Crop equivalent rating guide for soils of Minnesota [Yields, maize, wheat, alfalfa, Poa]. Rust, R H; Hanson, L D; Minnesota Agricultural Experiment Station *Misc Rep Minn Agric Exp Stn* 132, 40 P. Maps. Eng. Sum. 1975

100 M66 (1)
Physical properties of drought-hazard soils in central Minnesota. Dylla, A S; DeMartelaere, D E; Sutton, C K; Minnesota Agricultural Experiment Station *Misc Rep Minn Agric Exp Stn* 133, 16 P. Map. 1975

MP Tex Agric Exp Stn

100 T31M
Corn performance tests in Texas, 1974 [Yield, varieties]. Walker, H J; Bockholt, A J; Pietsch, D; Fojt, F III; Texas Agricultural Experiment Station *MP Tex Agric Exp Stn* 1227, 52 P. Map. Sept 1975

100 T31M
Grain sorghum performance tests in Texas, 1974 [Yields]. Walker, H J; Rosenow, D T; Miller, F R; Pietsch, D; Texas Agricultural Experiment Station *MP Tex Agric Exp Stn* 1226, 103 P. Maps. Sept 1975

MP Univ Md Agric Exp Stn

100 M36M
A revision of the genus Palpomyia Meigen of northeastern North America (Diptera: Ceratopogonidae). Grogan, W L Jr; Wirth, W W; Maryland Agricultural Experiment Station *MP Univ Md Agric Exp Stn* 875, 49 P. Ref. Aug 1975

Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ

100 N81P
Trends in infant mortality, North Carolina: 1940 to 1970 [Rural health]. Brannon, Y S; Clifford, W B; North Carolina Agricultural Experiment Station *Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ* 62, 33 P. Map. 1975

Publ Great Plains Agric Counc

S27.A3

A study of evaporation from a snowdrift. Rechard, P A; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 65-84. 1975

S27.A3

An application of the aerial gamma monitoring techniques for measuring snow cover water equivalents on the Great Plains. Larson, L W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 31-44. Maps. 1975

S27.A3

Estimating the transport and evaporation of blowing snow. Tabler, R D; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 85-104. 1975

S27.A3

Measurement of winter precipitation in windswept areas. Rechard, P A; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 13-30. Maps. 1975

S27.A3

Oversnow runoff events affect streamflow and water quality. Sturges, D L; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 105-117. 1975

S27.A3

Problems in monitoring snowfall at Akron, Colorado. Greb, B W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 1-12. Map. 1975

S27.A3

Snow management on the Great Plains; symposium. July 29, 1975, Bismark, North Dakota. Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73, 186 P. Maps. Ref. 1975

S27.A3

Snow management on the Canadian prairies [as an additional source of soil moisture]. Nicholaichuk, W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 118-127. Maps. 1975

S27.A3

Snow management on eastern Montana rangelands. Wight, J R; Neff, E L; Siddoway, R H; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 138-143. Ref. 1975

S27.A3

Snow management for water conservation in Wyoming. Rauzi, F; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 180-186. 1975

S27.A3

Snow research and predicition of snow melt runoff in Minnesota. Baker, D G; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 163-179. Maps. Ref. 1975

S27.A3

Snow trapping and crop management with tall wheatgrass barriers in Montana [Soil water supplies]. Black, A L; Siddoway, F H; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 128-137. 1975

S27.A3

Snowfall characteristics and snowmelt storage at Akron, Colorado. Greb, B W; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 45-64. Ref. 1975

S27.A3

Water conservation by snow management in North Dakota. Willis, W O; Frank, A B; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 155-162. Ref. 1975

S27.A3

Windbreaks for snow management in North Dakota. Frank, A B; George, E J; Great Plains Agricultural Council Research Committee *Publ Great Plains Agric Counc* 73: 144-154. Ref. 1975

Regul Bull Ky Agric Exp Stn

100 K41 (3)

Annual report analyses of official fertilizer samples, July1974-June 1975. Terry, D L comp; Kentucky Agricultural Experiment Station *Regul Bull Ky Agric Exp Stn* 220, 94 P. Nov 1975

Rep Ser Arkansas Agric Exp Stn

100 AR42R

Performance of bulls on Arkansas cooperative beef bull performance test 13. Brown, C J; Moss, J M; Brown, L O; Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 222, 12 P. Aug 1975

100 AR42R

Use of no tillage in double-cropping wheat with soybeans or grain sorghum. Hinkle, D A; Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 223, 11 P. Sept 1975

100 AR42R

1974 agricultural statistics for Arkansas. Arkansas Agricultural Experiment Station *Rep Ser Arkansas Agric Exp Stn* 221, 40 P. Maps. July 1975

Res Bull Ga Exp Stn

S51.E2

An alternative to the farm property tax in Georgia. White, F C; Miller, B R; Logan, C A; Georgia Experiment Stations *Res Bull Ga Exp Stn* 170, 39 P. Ref. May 1975

S51.E2

An analysis of factors influencing farm expansion and survival in south central Georgia. Musser, W N; White, F C; Chang, A A; Georgia Experiment Stations *Res Bull Ga Exp Stn* 175, 18 P. Ref. Oct 1975

S51.E2

Catfish: composition, utilization, and storage stability. Bechet, L R; Shewfelt, A L; Worthington, R E; Georgia Experiment Stations *Res Bull Ga Exp Stn* 171, 39 P. Ref. Aug 1975

S51.E2

Plans for a shielded herbicide applicator for Christmas trees and nursery stock. Reid, J T; Davis, T S; Georgia Experiment Stations *Res Bull Ga Exp Stn* 174, 19 P. Sept 1975

Res Bull Hawaii Agric Exp Stn Univ Hawaii

100 H313 (1)

Erosion losses from Hawaii soils under simulated rainfall. Dangler, E W; el-Swaify, S A; Barnett, A P; Hawaii Agricultural Experiment Station *Res Bull Hawaii Agric Exp Stn Univ Hawaii* 181, 81 P. May 1975

Res Bull Nebr Agric Exp Stn

100 N27 (3)

Leaf freckles and wilt of corn incited by Corynebacterium nebraskense Schuster, Hoff, Mandel, Lazar, 1972. Schuster, M L; Nebraska Agricultural Experiment Station *Res Bull Nebr Agric Exp Stn* 270, 40 P. Ref. May 1975

Res Bull Ohio Agric Res Dev Cent

100 OH3S (2)

Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). Schwab, G O; Fausey, N R; Weaver, C R; Ohio Agricultural Research and Development Center *Res Bull Ohio Agric Res Dev Cent* 1081, 37 P. Nov 1975

Res Bull Purdue Univ Agric Exp Stn

100 IN2P (1)

An analysis of the generation of household solid wastes from consumption [Pollution]. Richardson, R A; Havlicek, J Jr; Indiana Agricultural Experiment Station *Res Bull Purdue Univ Agric Exp Stn* 920, 28 P. Mar 1975

Res Bull Univ Mo Columb Coll Agric Agric Exp Stn

100 M693 (3)

Estimation of industry labor income multipliers for county groupings in Missouri [Farming]. Scott, D F; Braschler, C; Missouri Agricultural Experiment Station *Res Bull Univ Mo Columb Coll Agric Agric Exp Stn* 998, 26 P. July 1975

Res Circ Ohio Agric Res Dev Cent

100 OH3R

The impact of schools on learning achievement of children [Rural sociology]. Hushak, L J; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 207, 9 P. Nov 1975

Res Rep Conn Storrs Agric Exp Stn

100 C76RE

Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. Frier, H I; Hall, R C Jr; Rousseau, J E Jr; Eaton, H D; Nielsen, S W; Connecticut Storrs Agricultural Experiment Station *Res Rep Conn Storrs Agric Exp Stn* 46, 58 P. Ref. July 1975

100 C76RE

Economic feasibility of early retirement and disinvestment in farming. Kraenzle, C; Kottke, M; Connecticut Storrs Agricultural Experiment Station *Res Rep Conn Storrs Agric Exp Stn* 44, 21 P. Ref. Nov 1975

Res Rep Hawaii Agric Exp Stn

100 H313P

Herbicide evaluation studies with sweetcorn (Zea mays L.) in Hawaii. Tanaka, J S; Romanowski, R R Jr; Sakuoka, R T; Crozier, J A Jr; Hawaii Agricultural Experiment Station *Res Rep Hawaii Agric Exp Stn* 194, 28 P. May 1974

100 H313P

Value of crushed coral as a source of calcium in layer rations [Chickens]. Ross, E; Hawaii Agricultural Experiment Station *Res Rep Hawaii Agric Exp Stn* 204, 9 P. Nov 1974

Res Rep Mich State Univ Agric Exp Stn

284.9 M58

A comparison of least cost swine rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 70-73. Sept 1975

284.9 M58

An inventory of extractable boron in the profiles of soils used for corn production in Michigan. Robertson, L S; Mokma, D L; Knezek, B D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 287, 5 P. Aug 1975

284.9 M58

Availability of nutrients in swine waste [Feed]. Orr, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 92-94. Sept 1975

284.9 M58

Bioavailability of lysine in ring process blood meal for swine. Parsons, M J; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 45-49. Sept 1975

284.9 M58

Butanediol as an energy source for pigs [Feeding]. Romsos, D R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 53-56. Sept 1975

284.9 M58

Choline in the sow gestation-lactation diet. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 2-3. Sept 1975

284.9 M58

Copper requirement of baby pigs on casein diets. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 26-30. Sept 1975

284.9 M58

Dietary caloric density and caloric utilization by pigs. Vathana, S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 57-61. Sept 1975

284.9 M58

Dietary vitamin E level, performance, tissue selenium and selenium balance in growing-finishing swine. Hitchcock, J P; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 105-108. Sept 1975

284.9 M58

Effect of parenteral iron [supplementation] on serum electrolytes [Swine]. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 20-25. Sept 1975

284.9 M58

Effect of sow weight gain on litter size in swine. Morcom, C B; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 11-13. Sept 1975

284.9 M58

Evaluation of an amino acid-iron chelate hematinic [Swine, feeding]. Brady, P S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 4-6. Sept 1975

284.9 M58

Extruded soybeans for growing-finishing swine. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 66-69. Sept 1975

284.9 M58

Genesee County [Michigan] parks and recreation study [Land use]. Moncrief, L W; Manning, R E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 272, 14 P. Oct 1975

284.9 M58

High moisture, acid-treated opaque-2, waxy and dent corn rations for growing-finishing pigs. Sachtleben, S S; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 81-85. Sept 1975

284.9 M58

Increase in swine litter size as the result of steroid therapy. Wildt, D E; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 7-11. Sept 1975

284.9 M58

Laparoscopic pregnancy diagnosis and uterine fluid recovery in swine. Morcom, C B; Dukelow, W R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 16-19. Sept 1975

284.9 M58

Level of lysine in corn-soybean meal growing-finishing [swine] rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 74-77. Sept 1975

284.9 M58

Manganese requirement of the baby pig. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 31-34. Sept 1975

284.9 M58

Mercury analyses of Michigan corn [Swine feed ingredient]. Okonkwo, A C; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 112. Sept 1975

284.9 M58

Moldy [Fusarium graminearum] wheat refusal by swine. Miller, E R; Smith, N A; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 90-91. Sept 1975

284.9 M58

Penetration of oil-borne [wood] preservative in American elm [Ulmus americana]. Behr, E A; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 278, 15 P. July 1975

284.9 M58

Pig starter [ration] studies. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 39-44. Sept 1975

284.9 M58

Plant-available calcium, magnesium and sulfur levels in soils used for corn production in Michigan. Robertson, L S; Mokma, D L; Warncke, D D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 286, 5 P. Aug 1975

284.9 M58

Protein evaluation of triticale varieties [as feed] for weanling pigs. Erickson, J P; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 50-52. Sept 1975

284.9 M58

Report of swine research, 1975 [Feeding]. Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289, 122 P. Sept 1975

284.9 M58

Selenium retention as affected by iron oxide in the premix [Swine rations]. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 109-111. Sept 1975

284.9 M58
Short-term stress effects on swine reproduction. Wildt, D E; Riegle, G D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 14-15. Sept 1975

284.9 M58
Studies with Fusarium [roseum]-infected corn [Swine, feed toxicity]. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 86-89. Sept 1975

284.9 M58
Subcutaneous injections of raw egg white into growing pigs [Nutrition]. Oh, B T; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 78-80. Sept 1975

284.9 M58
Swine waste nutrient recycling [Drinking water]. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 95-99. Sept 1975

284.9 M58
Test levels in soil profiles of Michigan corn fields. Robertson, L S; Mokma, D L; Warncke, D D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 281, 8 P. Ref. July 1975

284.9 M58
The effect of ACTH [corticotropin] on glucocorticoids in stress-susceptible and stress-resistant pigs. Meiburg, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 116-118. Sept 1975

284.9 M58
The lipolytic activity of two porcine growth hormone preparations in pigs. Buzzell, B L; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 113-115. Sept 1975

284.9 M58
The response of pigs to heat stress at 50 and 100 kilograms. Meiburg, D E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 119-121. Sept 1975

284.9 M58
Trickle irrigation: guidelines for use in the home garden. Kenworthy, A L; Motes, J E; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 285, 7 P. July 1975

284.9 M58
Use of oats and animal fat in swine rations. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 62-65. Sept 1975

284.9 M58
Utilization of inorganic sulfur by growing-finishing pigs. Miller, E R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 100-104. Sept 1975

284.9 M58
Zinc deficiency and protein synthesis in the pig. Ku, P K; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 289: 35-38. Sept 1975

Res Rep Mont Agric Exp Stn Mont State Univ

S544.3.M6M6
Consumer knowledge inventory: its impact on curriculum development in Montana schools. Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 86, 24 P. Oct 1975

S544.3.M6M6
The damselflies (Zygoptera) of Montana. Roemhild, G; Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 87, 53 P. Maps. Ref. Nov 1975

S544.3.M6M6
The Montana Automated Data Processing System for soil inventories. Decker, G L; Nielsen, G A; Rogers, J W; Montana Agricultural Experiment Station *Res Rep Mont Agric Exp Stn Mont State Univ* 89, 77 P. 1975?

Res Rep N M Agric Exp Stn

100 N465R
Double cropping and fertility levels under irrigation in eastern New Mexico [Sorghum, barley]. Fuehring, H D; Malm, N R; Finkner, R E; New Mexico Agricultural Experiment Station *Res Rep N M Agric Exp Stn* 300, 5 P. Aug 1975

Res Rep P Okla Agric Stn

100 OK4M
A user's guide to the Econometric Analysis System (EAS) [Economics, statistical methods, computer programs]. Just, R E; Fletcher, S M; Oklahoma Agricultural Experiment Station *Res Rep P Okla Agric Stn* 729, 80 P. Ref. Nov 1975

100 OK4M
User's manual for the National Agricultural Policy Simulator (POLYSIM) [Computer programs]. Richardson, J W; Ray, D E; Oklahoma Agricultural Experiment Station *Res Rep P Okla Agric Stn* 727, 54 P. Nov 1975

Res Rep P OSU Agric Exp Stn (Okla State Univ)

100 OK4M
Beef cattle research, Fort Reno. Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725, 63 P. Oct 1975

100 OK4M
Can beef cattle be artificially inseminated at preset times? Wettemann, R P; Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 7-8. Oct 1975

100 OK4M
Culling the cow herd [Management]. Rich, T D; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 31-33. Oct 1975

100 OK4M
Effect of ralgro on weight gains of suckling calves [Growth]. Horn, G W; Gordon, J L; Wyatt, R D; Knori, L; Gould, M; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 42-44. Oct 1975

100 OK4M
Effects of two levels of milk intake on calves of two growth potentials. Wyatt, R D; Knori, L; Gould, M B; Totusek, R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 34-37. Oct 1975

100 OK4M
Feedlot performance and carcass evaluation of various two-breed cross steers fed at weaning age and as yearlings. Frahm, R; Boyd, M; Walters, L; Eason, J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 50-57. Oct 1975

100 OK4M
How rapidly can growth rate be increased in beef cattle by selection? Frahm, R; Gould, M; Stanforth, T; Cobb, B; Mizell, B; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 20-30. Oct 1975

100 OK4M
How well are your bulls performing? Meyerhoeffer, D C; Wettemann, R P; Wells, M E; Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 58-59. Oct 1975

100 OK4M
Implanting calves for added pounds and profit [Diethylstilbestrol, growth]. Armbruster, S L; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 3-6. Oct 1975

100 OK4M
New Bluestems [Agropyron smithi] from the Old World [Range management]. Horn, F P; Taliaferro, C M; Jackson, W G; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 40-41. Oct 1975

100 OK4M
Performance of cows and their calves reared as singles or twins. Wyatt, R D; Wettemann, R P; Gould, M B; Knori, L; Totusek, R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 60-63. Oct 1975

100 OK4M
Short-term feeding of methionine hydroxy analog to beef brood cows: Does it increase calf weaning weights? Horn, G W; Gordon, J L; Totusek, R; Knori, L; Gould, M; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 45-49. Oct 1975

100 OK4M
The effect of winter feed levels of reproductive performance of beef cows and heifers. Turman, E J; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 9-19. Oct 1975

100 OK4M
The Fort Reno beef research program [Fattening cattle]. Horn, F P; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 2. Oct 1975

100 OK4M
The Fort Reno Livestock Research Station. Gould, M B; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 1. Oct 1975

100 OK4M
The wheat plant for cows [Pastures, beef cattle]. Wagner, D; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 725: 38-39. Oct 1975

100 OK4M
User's manual for update; an auxiliary [computer] program for POLYSIM [National Agricultural Policy Simulator]. Richardson, J W; Ray, D E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 726, 40 P. Oct 1975

Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn

100 C76RE
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the male weanling rabbit. Donoghue, S; Frier, H I; Hall, R C Jr; Eaton, H D; Nielsen, S W; Rousseau, J E Jr; Connecticut Storrs Agricultural Experiment Station *Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn* 49, 57 P. Ref. Oct 1975

100 C76RE
Effect of travel constraints on the distribution of skiing in New England [Recreation]. Kottke, M; Libera, S; Connecticut Storrs Agricultural Experiment Station *Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn* 45, 19 P. Ref. Nov 1975

Res Rep Utah Agric Exp Stn

S1.U7
Cost of wholesale milk distribution in urban Utah. Christensen, R A; Palmer, F W; Davis, L H; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 22, I.e. 23, 37 P. July 1975

S1.U7
Cost of wholesale milk distribution in urban Utah. Christensen, R A; Palmer, F W; Davis, L H; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 23, 37 P. July 1975

S1.U7
Larvae of the Apidae (Hymenoptera, Apoidea). I. Apini, Apis. Torchio, P F; Torchio, D M; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 20, I.e. 20A, 36 P. Ref. Feb 1975

Sci Agric

100 P381S
Apple trees protected from voles with thiram. Luke, J E; Snetsinger, R J; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 7. Fall 1975

100 P381S
Computer simulation used to control [apples] orchard mites [Panonychus ulmi, Stethorus punctum, biological control]. Mowery, P D; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 9. Fall 1975

100 P381S
Diseases of wildlife examined at laboratory [Zoonoses]. Kradel, D C; Rothenbacher, H R; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 2-3. Fall 1975

100 P381S
Effects of milk [price] control studied in 83 markets. Hallberg, M C; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 16. Fall 1975

100 P381S
Grape pest monitoring improved with sex traps and aerial photography [Insects]. Jubb, G L Jr; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 5. Fall 1975

100 P381S
Leisure orientations studied in Howard area [Recreation]. Leadley, S M; Hammer, E R; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 12-13. Fall 1975

100 P381S
New soybean varieties analyzed for the state. Yocum, J O; Cole, R H; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 13. Fall 1975

100 P381S
Pesticide applicators need 1976 certification. Hock, W K; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 11. Fall 1975

100 P381S
Soils affect efficiency of nitrogen fertilizers [Maize]. Shuford, J; Baker, D E; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 8-9. Fall 1975

100 P381S
Varieties and methods of planting determined to use tomato harvester. Hepler, R W; Fletcher, R F; Cordrey, T D; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 10-11. Fall 1975

100 P381S
Virus diseases detected in mushroom production. Smith, S H; Moyer, J W; Wuest, P J; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 12. Fall 1975

100 P381S
$28 million added cash from state hybrid corn during last 14 years [Yields]. McGahen, J H; Pennsylvania Agricultural Experiment Station *Sci Agric* 23 (1): 6-7. Fall 1975

Search Agric

S95.E23
Solar radiation at Geneva, New York—variations in intensity and duration 1964-1973. Peck, N H; Gibbs, G H; Barnard, J; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 5 (9), 5 P. Ref. 1975

South Coop Ser Bull

100 G29SO
Evaluation of a model for simulating continuous streamflow from small watersheds. Shannholtz, V O; Carr, J C; Mississippi Agricultural Experiment Station; Arkansas Agricultural Experiment Station; Louisiana Agricultural Experiment Station; U.S. Soil Conservation Service *South Coop Ser Bull* 200, 159 P. Map. Ref. Aug 1975

100 G29SO
Spatial price differentials for corn. Sappington, C B; Hill, L D; Baldwin, E D; Mississippi Agricultural Experiment Station; Arkansas Agricultural Experiment Station; Louisiana Agricultural Experiment Station; U.S. Soil Conservation Service *South Coop Ser Bull* 196, 27 P. Maps. Jan 1975

Spec Rep Agric Exp Stn Agric Fayetteville Arkansad

100 AR42SP
Arkansas Dairy [cattle] Study Day, October 28, 1975. Breeding, Feeding, Management. Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22, 17 P. Oct 1975

100 AR42SP
Forage systems for dairy cattle. Daniels, L B; Spooner, A E; Flynn, C; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 3-5. Oct 1975

100 AR42SP
Problems in artificial insemination and conception in dairy cattle. Rakes, J M; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 9-11. Oct 1975

100 AR42SP
Profitable breeding plans [Dairy cattle]. Williams, R; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 12-15. Oct 1975

100 AR42SP
Silage in dairy rations. Stallcup, O T; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 6-8. Oct 1975

100 AR42SP
Small grains for pasture. Collins, F C; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 22: 16-17. Oct 1975

Spec Rep Mo Agric Exp Stn

100 M693SP
Energy resources and agriculture. McKinsey, J W Jr; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 174, 43 P. Ref. June 1975

100 M693SP
Population change and net migration in the North Central States, 1960-70. McNamara, R L; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 169, 61 P. Maps. Oct 1974

100 M693SP
The agricultural development of Nicaragua: an analysis of the production sector. Warnken, P F; Missouri Agricultural Experiment Station *Spec Rep Mo Agric Exp Stn* 168, 162 P. Map. July 1975

Spec Rep Oreg Agric Expn Stn

100 OR3M
A comparison of two drip irrigaton schedules with sprinkler irrigation in Thornless Evergreen blackberries. Martin, L W; Shearer, M N; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 1-4. Nov 1975

100 OR3M
Beef progeny testing report 1974-1975. Ralston, A T; Davidson, T P; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 445, 21 P. Nov 1975

100 OR3M
Drip irrigation progress report in the mid-Columbia area [Pears]. Mellenthin, W M; Wang, C Y; Kelly, S B; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 9-12. Nov 1975

100 OR3M
Oregon's drip irrigation: 1974 research report [Pears]. Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444, 14 P. Nov 1975

100 OR3M
Pear tree response to drip irrigation on Carney clay soil, second season 1974. Lombard, P B; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 13-14. Nov 1975

100 OR3M
Scheduling drip irrigation with evaporation pans [Fruit]. Shearer, M N; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 444: 5-8. Nov 1975

100 OR3M
Soil temperature of Oregon's agricultural regions. Bates, E M comp; Oregon Agricultural Experiment Station *Spec Rep Oreg Agric Expn Stn* 446, 37 P. Map. Nov 1975

Stn Bull Agric Exp Stn Univ Minn

100 M66 (2)
Effect of six 4-year rotations on yield, quality, and monetary return of sugarbeets in the Red River Valley (1971-74). Soine, O C; Minnesota Agricultural Experiment Station *Stn Bull Agric Exp Stn Univ Minn* 514, 11 P. 1975

Stn Bull Oreg Agric Exp Stn

100 OR3
Flower seed production trials in southern Oregon [Varieties]. Yungen, J A; Oregon Agricultural Experiment Station *Stn Bull Oreg Agric Exp Stn* 619, 12 P. Sept 1975

Sunshine State Agric Res Rep

100 F66SU
Citrus handling cost-price squeeze continues. Tilley, D S; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 13-15. Fall 1975

100 F66SU
Florida Belle—a bigger and better strawberry for Florida [Varieties]. Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 15-16. Fall 1975

100 F66SU
Florida corn production: Are better yields coming? [Fertilizers]. Harrison, L; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 10-11. Fall 1975

100 F66SU
Lethal yellowing: intensive probe is launched [Coconuts, diseases of unknown origin]. Thomas, B; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 6-7. Fall 1975

100 F66SU
Malayan Dwarf [Diseases of unknown origin] palm, resistant to lethal yellowing, is recommended for planting in Florida. Midcap, J T; McCoy, R E; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 8-9. Fall 1975

100 F66SU
Reducing [agriculture's] fuel costs with solar energy. Woods, C; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 3-5. Fall 1975

100 F66SU
Solar energy reduces costs of drying and curing crops. Woods, C; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 12-13. Fall 1975

100 F66SU
Test allows early detection of young [orange and grapefruit] tree decline [Diseases of unknown origin]. Thomas, B; Florida Agricultural Experiment Station, Gainesville *Sunshine State Agric Res Rep* 20 (3): 11. Fall 1975

Tech Bull Agric Exp Stn Univ Ariz

100 AR4 (2)
Cost of producing crops in the irrigated Southwest. I. Arizona. Wright, N G; Stubblefield, T M; Arizona Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Ariz* 220, 11 P. Dec 1975

Tech Bull Agric Exp Stn Univ Minn

100 M66 (3)
Effect of deicing salts on woody vegetation along Minnesotaroads; final report, 1975 [Injuries]. Sucoff, E; Minnesota Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Minn* 303, 49 P. Ref. 1975

100 M66 (3)
The effect of white-tailed deer and showshoe hare browsing on trees and shrubs in northern Minnesota [Injuries]. Krafting, L W; Minnesota Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Minn* 302, 43 P. Ref. 1975

Tech Bull Hawaii Agric Exp Stn Univ Hawaii

100 H313T
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to chemical inhibitors. Macdonald, T; Brewbaker, J L; Hawaii Agricultural Experiment Station *Tech Bull Hawaii Agric Exp Stn Univ Hawaii* 89, 24 P. Ref. Feb 1975

Tech Bull N C Agric Exp Stn

100 N81 (2)
An analysis of variation within white oak (Quercus alba L.) [Morphology and ecology]. Baranski, M J; North Carolina Agricultural Experiment Station *Tech Bull N C Agric Exp Stn* 236, 176 P. Map. Ref. Nov 1975

Utah Sci

100 UT1F
Do tillage practices affect wheat yields? Nielson, R F; Van Epps, G A; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 110-114. Sept 1975

100 UT1F
Fourwing saltbush [Atriplex canescens] for land rehabilitation in Iran and Utah [Range management]. Moghaddam, M R; McKell, C M; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 114-116. Sept 1975

100 UT1F
Know your sagebrush [Artemisia]—and better your range. McDonough, W T; Harniss, R O; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 99-103. Sept 1975

100 UT1F
Prescribed burning—effective control of sagebrush and open juniper [Artemisia, Juniperus, range management]. Ralphs, M; Schen, D; Busby, F; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 94-98. Sept 1975

100 UT1F
Stem nematodes [Ditylenchus dipsaci]—their effects on plants grown with alfalfa. Griffin, G D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 90-93. Sept 1975

100 UT1F
Subdivisions out in the county can be expensive [Land use]. Thompson, J L; Randle, P A; McKell, C M; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 83-86. Sept 1975

100 UT1F
The Colorado River and agriculture/energy equations [Consumptive use of water]. Keith, J; Anderson, J; Gardner, B D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 104-105. Sept 1975

100 UT1F
Zinc dificiency in Utah field corn—its diagnosis and treatment. James, D W; Christensen, P D; Utah Agricultural Experiment Station *Utah Sci* 36 (3): 106-109. Sept 1975

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

A Coop Ext Programs Univ Wis

S544.3.W6W53
A complete forage plan for Wisconsin livestock [Range management, beef cattle]. Rohweder, D A; Vatthauer, R J; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2550, Slightly Rev., 18 P. July 1975

S544.3.W6W53
Forage crop varieties and seeding mixtures for 1976. Rohweder, D A; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1525, 15 P. Jan 1976

S544.3.W6W53
Mechanically ventilated livestock buildings. Brugger, M F; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2750, 8 P. Oct 1975

S544.3.W6W53
Naturally ventilated livestock buildings. Graves, R E; Brugger, M F; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2749, 8 P. Oct 1975

S544.3.W6W53
Sampling milk and reporting information for DHIA [Dairy Herd Improvement Association] Tests. Olson, C C; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2152, Rev., 2 P. Aug 1975

S544.3.W6W53
Soil surveys for town & country. Hole, F D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2293, Rev., 4 P. Map. Oct 1975

S544.3.W6W53
Sweetcorn [Culture]. Andrew, R H; Oplinger, E S; Powell, R D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2343, Rev., 8 P. Oct 1975

S544.3.W6W53
Vegetable cultivars and planting guide for Wisconsin gardens 1976. Combs, O B; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1653, Rev., 3 P. Jan 1976

S544.3.W6W53
What is a DHI [Dairy Herd Improvement] record? Sendelbach, A G; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2416, Rev., 4 P. Nov 1975

S544.3.W6W53
Wisconsin cranberry lore [Cultural history]. Klingbeil, G C; Rawson, J M; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2292, 12 P. July 1975

S544.3.W6W53
1976 field crops herbicide manual for dealers and custom applicators. Doersch, R; Fawcett, D; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2296, Rev., 63 P. Oct 1975

AEN Dep Agric Eng Univ Ky Coop Ext Serv

S671.K4
Suffocation hazards in grain bins. Loewer, O J Jr; Loewer, D H; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agricultural Engineering *AEN Dep Agric Eng Univ Ky Coop Ext Serv* 39, 10 P. Aug 1975

AGR Ky Univ Dep Agron

S65.K4
Small grain varieties 1975. Tekrony, D; Haight, J; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 8, 6 P. Aug 1975

S65.K4
The effects of weather on hay production [Alfalfa]. Hill, J; Evans, J K; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 45, 4 P. Maps. July 1975

S65.K4
Use a [disease] resistant tobacco variety. Massie, I E; Smiley, J H; Everette, G A; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Agronomy *AGR Ky Univ Dep Agron* 42, 3 P. June 1975

ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv

SF191.K4
Dairy: Group handling of dairy cows. Hess, G S; Nicolai, J; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 28, 2 P. June 1975

SF191.K4
Effects of feeding nitrates to dairy cattle. Prewitt, L R; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 35, 2 P. Oct 1975

SF191.K4
Feeding, managing, and vaccinating dairy and orphan beef calves from birth to weaning. Nicolai, J H; Hemken, R W; LaBore, D; Gay, N; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 30, 6 P. July 1975

SF191.K4
Tips on custom processed beef [Grading]. Varney, W Y; Kentucky University Cooperative Extension Service; Kentucky University Dept. of Animal Sciences *ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv* 36, 2 P. Oct 1975

Bull A Ariz Univ Coll Agric Ext Serv

275.29 AR42BU
Management for the control of salts in irrigated soils. Fuller, W H; Halderman, A D; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 43, Rev., 11 P. 1975

275.29 AR42BU
Use animal manure effectively! [Cotton fertilizer]. Abbott, J L; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 55, Rev., 7 P. Summer 1975

Bull Conn Univ Coop Ext Serv

275.29 C76B
Program ideas [4-H]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-161, 6 P. 1975

275.29 C76B
The European earwig [Forficula auricularia]. Savos, M G; Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-150, 1 P. June 1975

Bull Coop Ext Serv Colo State Univ

275.29 C71E
Costs and returns for selected crops in Closed Basin, San Luis Valley, Colorado, 1974. Johnson, S H III; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 490A, 49 P. Maps. Ref. July 1975

275.29 C71E
Costs and returns for irrigated crop production in the lower South Platte Valley, Colorado [Field crops]. Conklin, L R; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 491A, 63 P. Map. July 1975

275.29 C71E
Costs and returns for irrigated crop production in the Uncompahgre Valley, Colorado. Conklin, L R; Colorado State University Cooperative Extension Service *Bull Coop Ext Serv Colo State Univ* 492A, 68 P. Map. July 1975

Bull Coop Ext Serv Univ Ga Coll Agric

275.29 G29B
Control rodents around poultry. Why bother to control rodents? [Feed]. Carlton, R L; Georgia University Cooperative Extension Service *Bull Coop Ext Serv Univ Ga Coll Agric* 765, 13 P. July 1975

C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno

S537.M3A2
Irrigated pastures in Nevada [Management]. Guenthner, H R; Jensen, E H; Speth, C F; Nevada University Cooperative Extension Service *C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno* 171, 4 P. Nov 1975

Calif Plant Pathol

SB599.C3
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to control Pythium [ultimum] root rot [of Chrysanthemum morifolium]. Welch, K E; McCain, A H; California University, Berkeley Agricultural Extension Service *Calif Plant Pathol* 27: 2-5. Ref. Aug 1975

SB599.C3
Gliocladium disease of palm [Palmae canariensis]. Keim, R; Maire, R G; California University, Berkeley Agricultural Extension Service *Calif Plant Pathol* 27: 1-2. Aug 1975

Circ Agric Ext Serv Univ Arkansas Div Agric

275.29 AR4
Easy meals for busy days [Recipes]. Johnson, F K; Arkansas University Cooperative Extension Service *Circ Agric Ext Serv Univ Arkansas Div Agric* 484, Rev., 20 P. Aug 14, 1975

275.29 AR4
Home freezing of fruits, vegetables, meats, and other foods. Johnson, F K; Arkansas University Cooperative Extension Service *Circ Agric Ext Serv Univ Arkansas Div Agric* 501, Rev., 28 P. Nov 4, 1975

Circ N C Agric Ext Serv

275.29 N811
Federal income tax reporting for timber owners. Allgood, J G; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 605, 26 P. Sept 1975

275.29 N811
North Carolina started pullets: management, integrity, sanitation, immunization. Martin, G A; Mills, W C Jr; Harris, J R; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 467, 6 P. June 1975

275.29 N811
1974 dairy farm business summary. Wells, R C; Pardue, D C; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 608, 47 P. Oct 1975

Circ N C State Univ Agric Ext Serv

275.29 N811
Diseases of vegetable crops in home gardens. Duncan, H E; Averre, C W; North Carolina State University Agricultural Extension Service *Circ N C State Univ Agric Ext Serv* 598, 20 P. July 1975

275.29 N811
Honeybees in North Carolina. Scott, H E; Hillmann, R C; Greene, J F; North Carolina State University Agricultural Extension Service *Circ N C State Univ Agric Ext Serv* 512, Rev. 31 P. Ref. Jan 1975

Conn Greenhouse Newsl

SB415.C625
Benomyl and large nematodes [on Geranium]. Koths, J S; Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 10-11. Sept 1975

SB415.C625
Caladiums [Caladium bicolor] in the home garden [Culture]. Koths, J S; Judd, R W Jr; King, D J; Maisano, J J Jr; Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 12-14. Aug 1975

SB415.C625
Dodder [Cuscuta]—increasing in Connecticut [Horticultural plants, weed control]. Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 8-9. Sept 1975

SB415.C625
In memorium: Earle William Prout, Jr. [Horticulturists]. Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 20. Sept 1975

SB415.C625
Investment credit available for greenhouse construction. Ecker, G A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 1-3. Sept 1975

SB415.C625
Overwintering structures in Connecticut for nursery stock. I. The plant response [Cold injuries]. Salsedo, C A; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 14-19. Sept 1975

SB415.C625
Pesticide license [Greenhouse operators]. Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 1. Aug 1975

SB415.C625
Phosphorus in green house soils. Griffin, G F; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 12-13. Sept 1975

SB415.C625
Premature budding of garden mum [Chrysanthemum]. Koths, J S; Judd, R W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 6-11. Aug 1975

SB415.C625
Programming LOIS [light operated interval switch] for multiple mist signals [Irrigation equipment]. Koths, J S; Bartok, J W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 66: 3-5. Aug 1975

SB415.C625
Solar timing for pot watering [Greenhouse equipment]. Koths, J S; Bartok, J W Jr; Connecticut University Cooperative Extension Service *Conn Greenhouse Newsl* 67: 4-7. Sept 1975

Cow Moos

SF208.C62
Income tax considerations for 1975 [Dairy farming]. Lessley, B V; Maryland University Cooperative Extension Service *Cow Moos* P. 3. Dec 1975

SF208.C62
Sod-seeding [practices for] legumes in permanent pastures. Vandersall, J H; Decker, A M; Maryland University Cooperative Extension Service *Cow Moos* P. 1-2. Dec 1975

Curr Inf Ser Idaho Univ Coop Ext Serv

275.29 ID13IDC
Common diseases of poultry in Idaho. Petersen, C F; Card, C S; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 304, 4 P. June 1975

275.29 ID13IDC
High quality eggs producer to consumer [Processing]. Petersen, C F; Sauter, E A; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 305, 4 P. June 1975

275.29 ID13IDC
Powdery mildew [Erysiphe betae] of sugarbeets. Fenwick, H S; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 307, 2 P. June 1975

275.29 ID13IDC
Swine nutrition. Gibson, G W; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 306, 4 P. June 1975

275.29 ID13IDC
The western bean cutworm [Loxagrotis albicosta] on beans and[sweet] corn. Blickenstaff, C C; Homan, H H; Antonelli, A L; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 302, 2 P. June 1975

275.29 ID13IDC
Treating anaplasmosis [Anaplasma marginale] in cattle. Magonigle, R A; Frank, F E; Idaho University Cooperative Extension Service *Curr Inf Ser Idaho Univ Coop Ext Serv* 311, 2 P. Aug 1975

Dairy Notes Calif Univ Agric Ext Serv

HD9275.U53C2
Records aid in reproductive management [Dairy cattle]. Engvall, W L; California University, Berkeley Cooperative Extension Service *Dairy Notes Calif Univ Agric Ext Serv* P. 1-2. Dec 16, 1975

E S M Ohio State Univ Dep Agric Econ Rural Sociol

281.9 OH32
Land use shifts and increasing cereal grain output in E.C. [Common Market]. Barr, W; Ohio State University Cooperative Extension Service; Ohio State University Dept. of Agricultural Economics and Rural Sociology *E S M Ohio State Univ Dep Agric Econ Rural Sociol* 499, 17 P. Nov 1973

EM Coop Ext Serv Coll Agric Wash State Univ

275.29 W27MI
Alternatives to [grass seed] field burning. Francis, J comp; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3990, 5 P. Aug 1975

275.29 W27MI
Energy facts & figures [for farm operations]. Waelti, H; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3943, 18 P. Aug 1975

275.29 W27MI
Sweet corn [Weeds]. Peabody, D V; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3981, 4 P. July 1975

275.29 W27MI
The organization of [land use] planning programs in Washington. Lassey, W R; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3982, 4 P. June 1975

275.29 W27MI
Whiteflies [Trialeurodes vaporariorum, Aleurodes spiraeoides]: their biology and control [Horticultural crops]. Antonelli, A; Akre, R; Retan, A; Washington State University Cooperative Extension Service *EM Coop Ext Serv Coll Agric Wash State Univ* 3980, 6 P. June 1975

ENT Univ Ky Coll Agric Coop Ext Serv

275.29 K415E
Insecticide recommendations and spray calendar for shade trees and woody ornamentals. Kentucky University Cooperative Extension Service *ENT Univ Ky Coll Agric Coop Ext Serv* 33, 7 P. Oct 1975

275.29 K415E
Vegetable greenhouse insect control. Scheibner, R A; Kentucky University Cooperative Extension Service *ENT Univ Ky Coll Agric Coop Ext Serv* 31, 9 P. Map. July 1975

Ext Bull Agric Ext Serv Univ Minn

275.29 M66S
Shoreland sewage treatment. Recommendations for identifyingand eliminating nonconforming systems. Machmeier, R E; Minnesota University Agricultural Extension Service *Ext Bull Agric Ext Serv Univ Minn* 394, 31 P. Map. 1975

Ext Bull E Coop Ext Serv Mich State Univ

275.29 M58B
Bean rust [Uromyces phaseoli typica]. Andersen, A L; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 893, 2 P. Oct 1975

275.29 M58B
For wood products firms: the use of financial indicators. Huber, H A; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 770, 8 P. Apr 1975

275.29 M58B
In forest plantings: sprayer calibration for herbicide application [Equipment. Heiligmann, R; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 916, 2 P. Oct 1975

275.29 M58B
Steps into spending [Home money management]. Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 910, 37 P. Sept 1975

275.29 M58B
White mold [Whetzelinia sclerotiorum] of beans. Andersen, A L; Michigan State University Cooperative Extension Service *Ext Bull E Coop Ext Serv Mich State Univ* 892, 2 P. Oct 1975

Ext Bull Md Univ Coop Ext Serv

275.29 M36B
Our environment [Pollution]. Maryland University Cooperative Extension Service *Ext Bull Md Univ Coop Ext Serv* 247, 30 P. 1973

Ext Circ Ext Serv Oreg State Univ

275.29 OR32C
Dairy goat housing and care [Husbandry]. Anderson, D E; Oregon State University Extension Service *Ext Circ Ext Serv Oreg State Univ* 867, 4 P. Aug 1975

275.29 OR32C
Dairy goats for family milk supply [Husbandry]. Anderson, D E; Oregon State University Extension Service *Ext Circ Ext Serv Oreg State Univ* 866, 4 P. Aug 1975

Ext Fol Agric Ext Serv Univ Minn

275.29 M66EX
CMT [California Mastitis Test], your tool for detecting subclinical mastitis [Dairy cattle]. Appleman, R D; Farnsworth, R J; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 322, 4 P. 1975

275.29 M66EX
Pruning trees and shrubs. Eisel, M C; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 317, 5 P. 1975

275.29 M66EX
Strawberry-raspberry-grape varieties for Minnesota. Hertz, L B; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 320, 4 P. Map. 1975

Foldr N C Agric Ext Serv

275.29 N811EX
Ability—not disability with clothing. Meldahl, H E; Wascoe, J; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 316 (No. 4), 10 P. 1975

Grapevine Calif Univ Berkeley Agric Ext Serv

SB387.A1G7
Treating potassium deficiency; a summary of recent investigations. Christensen, P; Swanson, F; California University, Berkeley Agricultural Extension Service *Grapevine Calif Univ Berkeley Agric Ext Serv* 3 P. Dec 1, 1975

Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv

SB21.K4K4
Reproducing fruit trees by grafting and budding. Chaplin, C E; Kentucky University Cooperative Extension Service; Kentucky University Dept of Horticulture *Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv* 39, 5 P. 1975

Inf Card Clemson Univ Ext Serv

275.29 SO8I
Cotton pest management [Insects]. Sparks, L M; Hays, S B; Clemson University Extension Service *Inf Card Clemson Univ Ext Serv* 97, Rev., 11 P. Feb 1975

Inf Ser Agric Econ Univ Calif Agric Ext Serv Agric Exp Stn Giannini Found Agric Econ

275.29 C12I
District costs and efficiency of pear packing in relation to facilities organization Lake County, California. Sammet, L L; Courtney, R H; California University, Berkeley Agricultural Extension Service *Inf Ser Agric Econ Univ Calif Agric Ext Serv Agric Exp Stn Giannini Found Agric Econ* 75-1, 65 P. Maps. Aug 1975

Kern Crop Inf Univ Calif Agric Ext Serv

SB1.K4
Late maturing rice variety trial, Kern County 1975. Woodruff, D R; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 6. Nov 15, 1975

SB1.K4
New wheat varieties. Woodruff, D R; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 7. Nov 15, 1975

SB1.K4
Nightshade [Solanum] control in crops. Kempen, H M; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 5. Nov 15, 1975

SB1.K4
Swan Hill fruitless olive [Olea europaea, varieties]. Hench, K W; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 3. Nov 15, 1975

SB1.K4
The changing variety picture in stone fruits. Hench, K W; California University, Berkeley Agricultural Extension Service *Kern Crop Inf Univ Calif Agric Ext Serv* P. 1-2. Nov 15, 1975

L Coop Ext Serv Kans State Univ

275.29 K13LE
Forrest soybean [Varieties]. Meyer, L J; Nickell, C D; Peterson, V H; Kansas State University Cooperative Extension Service *L Coop Ext Serv Kans State Univ* 459 [A], 4 P. Feb 1975

275.29 K13LE
What clothing means to the child. Johnson, N M; Kansas State University Cooperative Extension Service *L Coop Ext Serv Kans State Univ* 459 [B], 6 P. Feb 1975

L Tex A M Univ Tex Agric Exp Stn

275.29 T313
Controlling cockroaches [Blattidae] without synthetic organic insecticides. Piper, G L; Fleet, R R; Frankie, G W; Frisbie, R E; Texas Agricultural Experiment Station *L Tex A M Univ Tex Agric Exp Stn* 1373, 4 P. June 1975

275.29 T313
Tamcot SP21, SP23, SP37: cotton varieties. Bird, L; Texas Agricultural Experiment Station *L Tex A M Univ Tex Agric Exp Stn* 1358, 6 P. July 1975

M Agric Ext Serv Univ Minn

275.29 M66PS
Free-stall housing for dairy cattle. Bates, D W; Minnesota University Agricultural Extension Service *M Agric Ext Serv Univ Minn* 138, Rev., 16 P. 1975

Md Poultryman

275.28 M36
Sophistication in grain marketing. Crothers, J L Jr; Maryland University Cooperative Extension Service *Md Poultryman* P. 2-5. Dec 1975

275.28 M36
The broiler industry in 1976. Via, J E; Maryland University Cooperative Extension Service *Md Poultryman* P. 1-2. Dec 1975

275.28 M36
Water management and noise [pollution] reduction. Heath, J L; Maryland University Cooperative Extension Service *Md Poultryman* P. 5-8. Dec 1975

Mich Farm Econ

275.29 M58A
Estate planning for farmers. Kelsey, M; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 391: 1-3. Aug 1975

275.29 M58A
The agricultural career ladder. Gibson, J L; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 392: 1-3. Map. Sept 1975

275.29 M58A
Weather and farm prices. Black, R; Michigan State University Cooperative Extension Service; Michigan State University Dept. of Agricultural Economics *Mich Farm Econ* 394: 1-3. Nov 1975

PM Coop Ext Serv Iowa State Univ

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 6 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-6, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 4 Bottomland [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-4B, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 3 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-3, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 1 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-1, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 2 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-2, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 5 [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-5, 4 P. Map. Dec 1975

275.29 IO9PA
The 1975 Iowa Corn Yield Test report. District 4 Upland [Varieties]. Falck, W E; Hutchcroft, C D; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 660-4U, 4 P. Map. Dec 1975

275.29 IO9PA
Tricks to easy fit [Sewing alterations]. Messer, R; Yep, J; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 618, 19 P. July 1975

275.29 IO9PA
Weed control suggestions for soybeans in 1976. Jennings, V M; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 658, 2 P. Nov 1975

275.29 IO9PA
Weed control suggestions for corn in 1976. Jennings, V M; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 659, 2 P. Nov 1975

Poult Pointers

SF481.P68
Cages—Are they costing you money! [Chickens]. Mills, W C Jr; North Carolina State University Agricultural Extension Service *Poult Pointers* 2 P. Dec 1975

SF481.P68
Quality hatching eggs. Mills, W C Jr; North Carolina State University Agricultural Extension Service *Poult Pointers* 2 P. Nov 1975

R Nev Agric Exp Stn

S537.M3A24
Alfalfa forage cost analysis. Reese, D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 29-30. Feb 1975

S537.M3A24
Brush spraying [Chemical control]. Walther, J; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 23-24. Feb 1975

S537.M3A24
Costs of grazing [cattle and horses] on public lands. Reed, A D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103, 3-4. Feb 1975

S537.M3A24
Nevada meadow improvement [Fertilizers]. Hackett, I; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 25-26. Feb 1975

S537.M3A24
One thousand pounds of finished beef per acre? [Pasture management]. Robison, J P; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 31-34. Feb 1975

S537.M3A24
Pacific Legal Foundation—your friend in court [Land use]. Green, R A Jr; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 11-15. Feb 1975

S537.M3A24
Practical meadow improvement [Culture]. Turner, R; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 27. Feb 1975

S537.M3A24
The questionable Nevada Report? [Range management policies]. Rhoads, D A; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 9-10. Feb 1975

S537.M3A24
The value of an A.U.M. [Animal unit month] of grazing [Land use]. Rowland, E; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 5-6. Feb 1975

S537.M3A24
Use of more forage to produce beef—crested wheat seedings. Secrist, D; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 21. Feb 1975

S537.M3A24
Value of public land to the ranch forage system [Range management]. Boies, E; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 7-8. Feb 1975

S537.M3A24
Value of public land forage to private land. Champney, W O; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 19. Feb 1975

S537.M3A24
World grain trade and other factors influencing U.S. Beef production. Early, S; Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103: 17-18. Feb 1975

S537.M3A24
1975 proceedings, Nevada/California beef conference [Cattle grazing, pasture management]. Nevada Agricultural Experiment Station *R Nev Agric Exp Stn* 103, 34 P. Feb 1975

4-H Club Circ Agric Ext Serv Univ Wyo

275.29 W99FC
Food preservation: drying, canning, freezing. Raab, C; Wyoming University Agricultural Extension Service *4-H Club Circ Agric Ext Serv Univ Wyo* 50506-75, 48 P. Ref. Jan 1975

FAO PUBLICATIONS

GENERAL AGRICULTURAL ECONOMICS AND LAND ECONOMICS

TX341.F63
Instead of a chicken dinner [Land utilization]. Kramer, L N; Food and Agriculture Organization of the United Nations *Ceres* 8 (5): 59. Sept/Oct 1975

HD101.L33
A new hope, a new country: Mozambique [Land reform]. Sandoval, R; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 43-51. 1974 (Pub. 1975)

HD101.L33
Acquisition of land by aliens: a land tenure problem for the European Economic Community. Kolbert, C F; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 102-110. 1974 (Pub. 1975)

HD101.L33
Agrarian reform in China: objectives, approach and achievements. Autustini, G; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 26-42. Ref. 1974 (Pub. 1975)

HD101.L33
Agricultural development and land settlement in the Kufra region of Libya. Hajjaji, S A; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 68-88. Maps. Ref. 1974 (Pub. 1975)

HD101.L33
Land tenure and rural development in Pakistan. Haider, A S; Kuhnen, F; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 52-67. 1974 (Pub. 1975)

HD101.L33
The determination of the size of holdings in settlement planning: a new approach [Land reform]. Amerasinghe, N; Food and Agriculture Organization of the United Nations Rural Institutions Division *Land Reform Land Settlement Coop* 1/2: 89-101. 1974 (Pub. 1975)

AGRICULTURAL ADMINISTRATION AND MANAGEMENT

SF191.W6
The place of livestock in small farm development; an Indianexample. Groenewold, H H; Crossing, P R; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 2-6. 1975

AGRICULTURAL PRODUCTION DISTRIBUTION

SF191.W6
The economic problems of milk schemes in developing countries [Marketing]. Fenn, M G; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 21-26. 1975

STATISTICAL DATA AND METHODOLOGY

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. (Fre) Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/2, 17 P. May 1975

OUTLOOK, POLICIES, PROGRAMS AND LEGISLATION

389.9 F735CONC
Eighteenth session, Rome, November 1975. Programme for the 1980 world census of agriculture. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/28, 121 P. July 1975

SF191.W6
Dairy development in south India. Nyholm, K; Schaumburg-Muller, H; Westergaard, K; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 14-20. 1975

HUMAN NUTRITION

TX341.F63
The uses and abuses of baby food. Helsing, E; Food and Agriculture Organization of the United Nations *Ceres* 8 (5): 57-59. Sept/Oct 1975

FEED PRODUCTS

SF191.W6
New trends in ensiling forages. McCullough, M E; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 44-49. 1975

SF191.W6
Waste cellulose as an energy source for animal protein production [Feed]. Dyer, I A; Riquelme, E; Baribo, L; Couch, B V; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 39-43. Ref. 1975

LIVESTOCK FEEDING

SF191.W6
Minimum concentrate feeding for efficient milk production [Cattle]. Hibbs, J W; Conrad, H R; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 33-38. 1975

LIVESTOCK BREEDING

SF191.W6
Development of the Jamaica Hope breed of dairy cattle. Wellington, K E; Mahadevan, P; Food and Agriculture Organization of the United Nations *World Anim Rev* 15: 27-32. 1975

VETERINARY MEDICINE

28 F73
The veterinary contribution to public health practice. Food and Agriculture Organization of the United Nations *FAO Agric Stud* 96, 79 P. 1975

TRANSLATED PUBLICATIONS

HUMAN NUTRITION

QP1.J725

Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. Teplyi, D L; Ibragimov, F Kh *J Evol Biochem Physiol* 11 (1): 47-51. Ref. Jan/Feb 1975

ANIMAL HUSBANDRY

GB746.W33

Potentialities of fur [animal] farming on reservoirs. Vanichkina, S I; Kotlyarevskaya, N V *Water Resour* 1 (5): 702-708. Ref. Sept-/Oct 1974

LIVESTOCK BIOLOGY

385 B523AE

Dextranglucosidase activity of porcine spleen acid alpha-glucosidase. Minakova, A L; Preobrazhenskaya, M E; Rozenfel'd, E L *Biochemistry (N Y)* 40 (1, Pt. 2): 105-113. Ref. Jan/Feb 1975

385 B523AE

Interaction of trypsin with trypsin inhibitor from cow colostrum [Cattle, biochemistry]. Chechova, D; Kazanskaya, N F; Larionova, N I; Berezin, V *Biochemistry (N Y)* 40 (1, Pt. 2): 121-125. Ref. Jan/Feb 1975

385 B523AE

Interaction of aspartate transaminase from chicken heart cytosol with analogs of pyridoxal phosphate. Vasil'ev, V YU; Mekhanik, M L; Severin, E S; Torchinskii, YU M *Biochemistry (N Y)* 40 (1, Pt. 2): 174-176. Jan/-Feb 1975

385 B523AE

Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of peptides split by cyanogen bromide. Nosikov, V V; Polyanovskii, O L; Braunshtein, A E; Grishin, E V; Ovchinnikov, YU A *Biochemistry (N Y)* 40 (1, Pt. 1): 87-93. Ref. Jan/Feb 1975

385 B523AE

Production by creatine of creatine kinase B synthesis in developing monolayer culture muscle cells [Chick embryos]. Sokolov, I N; Lyzlova, S N; Ashmarin, I P *Biochemistry (N Y)* 40 (1, Pt. 1): 1-4. Ref. Jan/Feb 1975

QD241.K453

Fowl trypsin and chymotrypsin. Proskuryakov, M T *Chem Nat Compd* 10 (1): 58-60. Ref. Jan/Feb 1974 (Transl. 1975)

QP1.J725

Vocal reactions of chickens to different parameters of electrical stimulation of midbrain. Vasilevskii, N N; Shlyafer, T P; Tel', E Z *J Evol Biochem Physiol* 11 (1): 62-66. Ref. Jan/Feb 1975

LIVESTOCK BREEDING

QH573.C92

Action of exogenous DNA on the eucaryotic organism and its cells [Animals, plants]. Berdyshev, G D; Masyuk, A I *Cytol Genet* 8 (5): 65-76. 1974

QH431.A1G43

Hybrid studies on the genetics of coat color and blood groups of Landrace and Vietnamese swine. Tikhonov, V N; Ratiani, D P *Sov Genet* 10 (1): 36-41. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Identification of five allotypes of serum alpha2-lipoprotein esterases in American minks (Mustela vison). Belyaev, D K; Baranov, O K; Savina, M A; Yurishina, N A; Titenko, N V; Evsikov, V I *Sov Genet* 10 (1): 42-50. Ref. Jan 1974 (Transl Aug 1975)

FOREST MANAGEMENT

GB746.W33

Effect of forest management and improvement measures on river runoff. Idzon, P F *Water Resour* 1 (1): 35-54. Map. Ref. Jan/-Feb 1974 (Transl. 1975)

FOREST INDUSTRIES

QD241.K453

Phenolic acids of the bark of Pinus silvestris, Pinus sibirica, and Pinus abies nephrolepis. Tyukavkina, N A; Gromova, A S; Lutskii, V I; Chubarova, I S *Chem Nat Compd* 10 (1): 71-72. Jan/Feb 1974 (Transl. 1975)

QD241.K453

Some flavanones and flavanonols of the heartwood of Larix dahurica. Lapteva, K I; Lutskii, V I; Tyukavkina, N A *Chem Nat Compd* 10 (1): 102-103. Jan/Feb 1974 (Transl. 1975)

GENERAL PLANT SCIENCE

QH431.A1G43

Mikhail Fedorovich Ternovskii (on his ninetieth birthday) [Botanists]. *Sov Genet* 10 (1): 137-138. Jan 1974 (Transl Aug 1975)

PLANT TAXONOMY AND GEOGRAPHY

QH573.C92

Chromosome numbers of certain species of flowering plants in the flora of the Aragats Mountain Range [Cytotaxonomy]. Pogosyan, A I *Cytol Genet* 8 (5): 62-64. Ref. 1974

QH301.M6

Shoot morphology and taxonomic position of Carex curvula All. Alekseev, YU E *Moscow Univ Biol Sci Bull* 29 (5/6): 97-99. 1974

PLANT MORPHOLOGY, ANATOMY AND CYTOLOGY

QH301.M6

Morphological-anatomic study of Pulsatilla violacea Rupr. And Pulsatilla aurea (N. Busch) Juz. during ontogenesis. Barykina, R P; Gulanyan, T A *Moscow Univ Biol Sci Bull* 29 (5/6): 86-96. Ref. 1974

PLANT GENETICS AND BREEDING

QH573.C92

A comparative study of the pollen of diploid and autotetraploid forms of species of Onobrychis L. [Sainfoin]. Polishvaiko, M N; Kononenko, A I *Cytol Genet* 8 (5): 32-35. Ref. 1974

QH573.C92

Accumulation of stored nutrients in the grains of hexaploid triticale. Zhila, E D; Shulyndin, A F *Cytol Genet* 8 (5): 47-50. Ref. 1974

QH573.C92

Correlation between potassium and lysine content in the kernels of normal and opaque (O2) corn. Okanenko, A S; Kirtoka, I Kh; Bershtein, B I; Palii, A F; Chalyk, T S; Ogurtsova, N A; Pashkar, S I *Cytol Genet* 8 (5): 57-59. Ref. 1974

QH573.C92

Creation of millet breeding stock by chemical mutagenesis. Konstantinov, S I; Linnik, V M; Nikulina, N D *Cytol Genet* 8 (5): 22-25. 1974

QH573.C92

Cytogenetic characteristics of tissue cultures from legume plants [Lathyrus odoratus, broadbeans, peas]. Frolova, L V; Shamina, Z B *Cytol Genet* 8 (5): 26-30. 1974

QH573.C92

Differential staining of the chromosomes of Allium cepa L. [Onion]. Shchapova, A I; Stepochkin, P I; Kravtsova, L A *Cytol Genet* 8 (5): 44-46. 1974

QH573.C92

Effect of certain chemical mutagens on chromosome rearrangements and growth processes in hard wheat. Mamalyga, V S *Cytol Genet* 8 (5): 36-40. Ref. 1974

QH573.C92

Female sterility in hemp (Cannabis sativa L.). Soroka, V P *Cytol Genet* 8 (5): 60-61. Ref. 1974

QH573.C92

Influence of low temperatures on meiotic abnormalities in soft spring wheat. Teplyakov, B I; Maksimenko, V P; Chekurov, V M *Cytol Genet* 8 (5): 19-21. 1974

QH573.C92

Possible methods for determination of expression of sex in cucumbers (Cucumis sativus L.) during the seed stage. Nabokov, I G; Gladunov, I M; Maslova, N F *Cytol Genet* 8 (5): 51-53. 1974

QH573.C92

Selection of hemp varieties in breeding for heterosis. Stepanov, G S *Cytol Genet* 8 (5): 54-56. 1974

QH573.C92

Variation of apical-meristem cell size in mutant peas. Tsitlenok, S I; Bondar, L M *Cytol Genet* 8 (5): 41-43. Ref. 1974

QH301.M6

A new method for treating perennial fruit trees with chemical mutagens. Dryagina, I V; Limberger, G E *Moscow Univ Biol Sci Bull* 29 (5/6): 100-102. 1974

QH301.M6

Certain characteristics of wheat stem growth [Breeding]. Meremkulova, R N *Moscow Univ Biol Sci Bull* 29 (5/6): 62-64. Ref. 1974

QH301.M6

Photochemical activity of isolated corn chloroplasts in relation to heterosis. Ovchinnikova, M F; Yakovlev, A P *Moscow Univ Biol Sci Bull* 29 (5/6): 57-61. Ref. 1974

QH431.A1G43

An investigation of the effect of mutagens on wheat varieties and species of different ploidy levels. Gaina, L V; Valeva, S A *Sov Genet* 10 (1): 1-6. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Analysis of inheritance of the sensitivity of yeast [Saccharomyces cerevisiae] to radiation and nitrous acid. Arman, I P; Devin, A B; Dutova, T A *Sov Genet* 10 (1): 86-90. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Comparative genetics of yeast. XIV. Analysis of wine strains of Saccharomyces neutral to killer strain of type k2. Naumov, G I *Sov Genet* 10 (1): 100-105. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Correlation in mutant carrots and beets. Dolgikh, S T; Tverdokhlebov, V A *Sov Genet* 10 (1): 18-20. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Nonnuclear mutations in sunflower. II. Lethal chlorophyll mutations in the progeny of plants with variegated leaves. Beletskii, YU D; Razoriteleva, E K *Sov Genet* 10 (1): 14-17. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

The joint action of gamma rays and ethylenimine during the presynthetic period of the mitotic cycle on cells of seeds of Crepis capillaris. Sidorov, V P *Sov Genet* 10 (1): 21-27. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

The radiosensitivity of cells in various phases of the mitotic cycle in Crepis capillaris L. seedlings. Kaznadzei, V V *Sov Genet* 10 (1): 28-35. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

The role of supplementary genes in the control of Texas type cytoplasmic male sterility in corn. Gontarovskii, V A *Sov Genet* 10 (1): 7-13. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43

Variability of characters in artificial tetraploids of squash (Curcurbita maxima Duch.). Chekalina, I N; Pestova, T M *Sov Genet* 10 (1): 126-127. Jan 1974 (Transl Aug 1975)

PLANT PHYSIOLOGY AND BIOCHEMISTRY—GENERAL

QD1.A543

The structure of saponins from rhizomes of Dioscorea deltoidea Wall. Sviridov, A F; Paseshnichenko, V A; Kadentsev, V I; Chizhov, O S *Bull Acad Sci USSR, Div Chem Sci* 24 (1): 80-84. Ref. Jan 1975

QD241.K453

A new flavone glycoside from Campanula patula. Teslov, L S; Blinova, K F *Chem Nat Compd* 10 (1): 93. Jan/Feb 1974 (Transl. 1975)

QD241.K453

Acacetin and its glycosides in plants of the genus Linaria. Smirnova, L P; Boryaev, K I; Ban'kovskii, A I *Chem Nat Compd* 10 (1): 100. Jan/Feb 1974 (Transl. 1975)

QD241.K453

Acorus calamus— a new source of C-diglycosides. El'yashevich, E G; Drozd, G A; Koreshchuk, K E; Bezuglaya, N I; Manych, V I; Shestak, L I *Chem Nat Compd* 10 (1): 96-97. Ref. Jan/Feb 1974 (Transl. 1975)

QD241.K453

Carbohydrates and alcohols of Andrachne rotundifolia. Zufarov, F N; Nazirov, Z N *Chem Nat Compd* 10 (1): 74. Jan/Feb 1974 (Transl. 1975)

QD241.K453
C-glycosides of species of Dipsacaceae. II. [Knautia montana]. Zemtsova, G N; Bandyukova, V A *Chem Nat Compd* 10 (1): 118. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Conformation of the configurations of badrakemin and gummosin [Ferula pseudoreoselinum, Ferula samarcandica, Ferula badrakema]. Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 12-14. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Coumarin from Artemisia obtusiloba and Artemisia martjanovii. Usynina, R V; Dudko, V V; Berezovskaya, T P; Yanchilenko, T V *Chem Nat Compd* 8 (5): 613. Sept/Oct 1972 (Trans 1974)

QD241.K453
Coumarins of the genera Asperula and Galinum. Borisov, M I *Chem Nat Compd* 10 (1): 78. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Darvasoline— a new alkaloid of Leontice darvasica. Zunnunzhanov, A; Iskandarov, S; Yunusov, S YU *Chem Nat Compd* 10 (1): 131. Jan/Feb 1974 (Transl. 1975)

QD241.K453
D-mannitol from Peucedanum and Delphinium. Dekanosidze, G E; Arazashvili, A I; Turabelisdze, D G; Kemertelidze, E P *Chem Nat Compd* 10 (1): 73. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids of Cirsium heterophyllum. Ogurtsova, L N; Syuzeva, Z F *Chem Nat Compd* 10 (1): 90. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids of Glycyrrhiza glabra. Kattaev, N Sh; Nikonov, G K *Chem Nat Compd* 10 (1): 94-95. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids of Senecio subdentatus. II. Chumbalov, T K; Fadeeva, O V; Nikishchenko, T K *Chem Nat Compd* 10 (1): 89. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavosorbin— a new glycoside from Sorbaria sorbifolia. Zaitsev, V G; Makarova, G V; Komissarenko, N F *Chem Nat Compd* 10 (1): 92. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Glycosidic alkaloids of Solanum persicum. Novruzov, E N; Aslanov, S M *Chem Nat Compd* 10 (1): 120. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Haplamine— a new alkaloid from Haplophyllum perforatum. Akhmedzhanova, V I; Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (1): 121-122. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Hydrolyzable tannides of Potentilla [chrysantha]. I. Chumbalov, T K; Bikbulatova, T N; Arestova, G S; Chanysheva, I S *Chem Nat Compd* 10 (1): 145. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Investigation of the carbohydrates of Arum korolkovii. Khodzhaeva, M A; Ismailov, Z F *Chem Nat Compd* 10 (1): 75-76. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Investigation of the alkaloids of Buxus sempervirens. Khodzhaev, B U; Shakirov, R; Yunusov, S YU *Chem Nat Compd* 10 (1): 129-130. Ref. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Investigations of the essential oil of Hyssopus zeravshanicus. Zotov, E P; Goryaev, M I; Sharipova, F S; Khazanovich, R L; Vandysheva, V I *Chem Nat Compd* 10 (1): 110-111. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isogosferol—a new furocoumarin form the roots of Prangos lophoptera. Abyshev, A Z *Chem Nat Compd* 10 (1): 79-80. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation of alkaloids form Ungernia severtzovii by the ion-exchange method. Sadikov, T; Zatorskaya, I N; Shakirov, T T *Chem Nat Compd* 10 (1): 123. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation of berberine [Berberis oblonga]. Tadzhibaev, M M; Zatorskaya, I N; Lutfullin, K L; Shakirov, T T *Chem Nat Compd* 10 (1): 42-43. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation of foetidine [Thalictrum foetidum]. Alimov, R I; Zatorskaya, I N; Shakirov, T T *Chem Nat Compd* 10 (1): 124-125. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Mass-spectrometric study of the coumarins mogoltin, mogoltavin, and mogoltavinin [Peucedanum mogoltavicum]. Zakharov, P I; Terent'ev, P B; Nikonov, G K; Ban'kovskii, A I *Chem Nat Compd* 10 (1): 15-19. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Narcissin from Astragalus dasyanthus. Khoron'ko, A T *Chem Nat Compd* 10 (1): 88. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Phenols from the essential oils of some species of Artemisia. Usynina, R V; Dudko, V V; Berezovskaya, T P; Gel'vikh, M V *Chem Nat Compd* 10 (1): 108-109. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Plumbagin from Ceratostigma willmottianum. Shcherbanovskii, L R; Luks, YU A *Chem Nat Compd* 10 (1): 77. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Quantitative determination of vincanidine in the roots of Vinca erecta. Mirkina, R A; Shakirov, T T *Chem Nat Compd* 10 (1): 44-45. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Quantitative determination of the furocoumarins in the preparation "psoberan" by gas-liquid chromatography. Eidler, YA I; Genkina, G L; Shakirov, T T *Chem Nat Compd* 10 (1): 85. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Robinin from Oxytropis varlacovii. Be tkhi Tkhuan,; Blinova, K F *Chem Nat Compd* 10 (1): 91. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Rutin and other polyphenols of the herbage of Coriandrum sativum. Sergeeva, N V *Chem Nat Compd* 10 (1): 98. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Spectrophotometric method of analyzing [Digitalis] cardenolides of the strophanthidin group with 2,2',4,4'-tetranitrobiphenyl. Genkina, G L; Eidler, YA I *Chem Nat Compd* 10 (1): 29-30. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Steroid and triterpene glycosides of Crataegus pentagyna. Iskenderov, G B; Isaev, M I *Chem Nat Compd* 10 (1): 113. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Structure and configuration of new coumarins of the roots of Ferula mogoltavica. Khasanov, T Kh; Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 8-11. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Structure and configuration of the coumarins mogoltadone and mogoltadin [Ferula mogoltavica]. Khasanov, T Kh; Saidkhodzhaev, A I; Nikonov, G K *Chem Nat Compd* 10 (1): 20-23. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Structure of foliminine [Haplophyllum foliosum]. Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (1): 46-48. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Structure of the coumarin reoselin [Ferula pseudooreoselinum]. Kamilov, Kh M; Nikonov, G K *Chem Nat Compd* 10 (1): 82-83. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Structure of veralodisine [Veratrum lobelianum]. Shakirov, R; Khashimov, A M; Samikov, K; Yunusov, S YU *Chem Nat Compd* 10 (1): 38-44. Ref. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Study of oxoaphyllidine [Anabasis aphylla]. Ishbaev, A I; Aslanov, Kh A; Sadykov, A S; Guzenko, T M *Chem Nat Compd* 10 (1): 128. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Study of the essential oil of Ajania fastigiata. Sharipova, F S; Chumbalov, T K; El'chibekova, L A; Zhubaeva, R A *Chem Nat Compd* 10 (1): 104-105. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Study of the oils of plants of the family Umbelliferae. III. Stepanenko, G A; Umarov, A U; Markman, A L *Chem Nat Compd* 10 (1): 31-33. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Triterpene glycosides of Acanthophyllum paniculata. II. Structure of paniculatoside C. Putieva, Zh M; Kondratenko, E S; Abubakirov, N K *Chem Nat Compd* 10 (1): 114-115. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Triterpene glycosides of Gleditschia triacanthos. VI. The structure of triacanthoside F. Badalbaeva, T A; Kandratenko, E S; Abubakirov, N K *Chem Nat Compd* 10 (1): 117. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Triterpenoids of the roots of Glycyrrhiza uralensis. Kir'yalov, N P; Bogatkina, V F; Barkaeva, E YU *Chem Nat Compd* 10 (1): 112. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Umbelliferone from tea leaves. Mikaberidze, K G; Moniava, I I *Chem Nat Compd* 10 (1): 81. Jan/Feb 1974 (Transl. 1975)

511 P444AEBP
Four-step mechanism of water oxidation in photosynthesis [Algae, Chlorella pyrenoidosa]. Asanov, A N; Sevast'yanov, V I; Komissarov, G G *Dokl Biophys* 217/219: 71-73. July/Dec 1974 (Transl 1975)

511 P444AEBP
Location of energy discharge in mitotic cycle of Panax ginsing C. A. Mey. Zholkevich, V N; Butenko, R G; Bychkova, G S; Peisakhzon, B I *Dokl Biophys* 217/219: 56-57. July/Dec 1974 (Transl 1975)

511 P444AE
Action spectra of photosynthesis and hydrogen evolution by bacteria, algae, and higher plants. Efimtsev, E I; Boichenko, V A; Litvin, F F *Dokl Bot Sci* 220/222: 17-19. Jan/-June 1975

511 P444AE
Photoinduced hydrogen evolution by bacteria, algae, and higher plants. Efimtsev, E I; Boichenko, V A; Litvin, F F *Dokl Bot Sci* 220/222: 6-8. Jan/June 1975

511 P444AE
Specific photosynthesis of Chlorella [pyrenoidosa] in different regions of the spectrum [Algae]. Brandt, A B; Finakov, G Z *Dokl Bot Sci* 220/222: 23-25. Jan/June 1975

QH301.M6
Changes in the growth rate of the concomitant microflora in algal cultures under illumination and in darkness [Chlorella pyrenoidosa]. Maksimova, I V; Kytova, P A; Pimenova, M N *Moscow Univ Biol Sci Bull* 29 (5/6): 53-56. 1974

QH301.M6
Modifying action of thymidine on ultraviolet-irradiated Anascystis nidulans cells [Algae]. Shestakov, S V; Karbysheva, E A; Bozhukova, E E *Moscow Univ Biol Sci Bull* 29 (5/6): 50-52. 1974

PHYSIOLOGY AND BIOCHEMISTRY OF FIELD CROPS

QD241.K453
Essential oil from Artemisia macrocephala. Dudko, V V; Berezovskaya, T P; Usynina, R V *Chem Nat Compd* 10 (1): 107. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation and purification of phenol oxidase from the leaves of the cotton plant. Yunusov, T S; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 142-143. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation of triacetinase from the seeds of the cotton plant. Rakhimov, M M; Dzhanbaeva, N R; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 137-138. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Proteases of the seeds of the cotton plant. II. Separation and purification. Podgornov, G M; Kuchenkova, M A; Yuldashev, P Kh *Chem Nat Compd* 10 (1): 139-140. Jan/Feb 1974 (Transl. 1975)

511 P444AE
Admission of N15 [nitrogen isotope] into the flowering glumes and separate parts of the caryopsis in wheat. Pavlov, A N; Burakaeva, B Kh; Kolesnik, T I *Dokl Bot Sci* 220/222: 26-28. Jan/June 1975

511 P444AE
Biosynthesis of chlorophyll b in a homogenate of green leaves in the dark and under light [Barley]. Shlyk, A A; Vlasenok, L I; Akramovich, N I; Vrubel', S V; Akulovich, E M *Dokl Bot Sci* 220/222: 29-31. Ref. Jan/-June 1975

511 P444AE
Distribution of starch in the vegetative apex of the maize shoot. Dudinskii, YA A *Dokl Bot Sci* 220/222: 13-16. Ref. Jan/June 1975

511 P444AE
On the possibility of using a jointly cultured system of isolated tissues from legumes and nodular bacteria for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. Shamtsyan, M G; Avvakumova, E N; Chailakhyan, M Kh *Dokl Bot Sci* 220/222: 41-44. Jan/June 1975

511 P444AE
Reaction of interruption of darkness by light and growth inhibitors [Tobacco]. Lozhnikova, V N; Chailakhyan, M Kh *Dokl Bot Sci* 220/222: 45-47. Ref. Jan/June 1975

511 P444AE
Thermal disturbance of water balance in wheat in models of natural weather complexes. Al'tergot, V F; Mordkovich, S S *Dokl Bot Sci* 220/222: 3-5. Ref. Jan/June 1975

PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

385 B523AE
Effect of phospholipase A on spectral and photochemical properties of chloroplasts and their fragments [Peas]. Ostrovskaya, L K; Kochubei, S M; Shadchina, T M *Biochemistry (N Y)* 40 (1, Pt. 2): 143-147. Ref. Jan/-Feb 1975

385 B523AE
Effect of vitamin K3 on photosynthetic electron transport [Peas]. Krendeleva, T E; Kukarskikh, G P; Matorin, D N; Timofeev, K N; Rubin, A B *Biochemistry (N Y)* 40 (1, Pt. 1): 47-51. Ref. Jan/Feb 1975

385 B523AE
Isolation and characterization of subunits of 80S ribosomesof dry pea seeds. Gumilevskaya, N A; Chumikina, L V; Kuvaeva, E B; Kretovich, V L *Biochemistry (N Y)* 40 (1, Pt. 2): 148-156. Ref. Jan/Feb 1975

385 B523AE
Regulation of activity of glutamine synthetase from pea seeds by keto acids and AMP [adenosine-5'-monophosphate]. Pushkin, a V; Evstigneeva, Z G; Kretovich, V L *Biochemistry (N Y)* 40 (1, Pt. 1): 44-46. Ref. Jan/Feb 1975

385 B523AE
The location of catalase and peroxidase in isolated pea chloroplasts and their fragments. Myrzaeva, S V; Akulova, E A *Biochemistry (N Y)* 40 (1, Pt. 2): 140-142. Ref. Jan/Feb 1975

QD241.K453
Alkaloids of Solanum tuberosum [Potaotes]. Nabiev, A; Shakirov, R *Chem Nat Compd* 10 (1): 132-133. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids from Passiflora incarnata. Gavasheli, N M; Moniavo, I I; Eristavi, L I *Chem Nat Compd* 10 (1): 99. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids of the leaves of [olive] Olea europaea. Kriventsov, V I; Dolganenko, L G; Dranik, L I *Chem Nat Compd* 10 (1): 101. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Isolation of tannin from sumac [Rhus] leaves. Sarabunovich, A G; Yabich, P A; Beridze, P Z *Chem Nat Compd* 10 (1): 146. Jan/Feb 1974 (Transl. 1975)

511 P444AEBP
Effect of electric potential on spontaneous ultraweak chemiluminescence of plants [Peas]. Doskoch, YA E; Kovrizhnykh, V V; Tarusov, B N *Dokl Biophys* 217/219: 91-93. July/Dec 1974 (Transl 1975)

511 P444AEBP
Effect of strong shock waves on dicotyledon seeds [Turnip, Anethum graveolens, cucumber, radishes]. Trunina, N P; Panov, N V; Trunin, R F; German, V N *Dokl Biophys* 217/219: 130-131. July/Dec 1974 (Transl 1975)

511 P444AEBP
Kinetics of "aging" of photosynthetic apparatus of isolated chloroplasts [Peas]. Berezin, I V; Varfolomeev, S D; Zaitsev, S V; Il'ina, M D *Dokl Biophys* 217/219: 99-101. July/Dec 1974 (Transl 1975)

511 P444AE
Development of self-incompatibility in Petunia [hybrida] using inhibitors of protein and nucleic acid metabolism. Kovaleva, L V; Musatova, N A; Britikov, E A *Dokl Bot Sci* 220/222: 48-51. Ref. Jan/June 1975

511 P444AE
Homologies in the DNA of species of Iris L. Shneer, V S; Antonov, A S *Dokl Bot Sci* 220/222: 35-37. Ref. Jan/June 1975

QH301.M6
Influence of temperature on the germination rate of rose [Rosa] seeds. Nomerov, B A *Moscow Univ Biol Sci Bull* 29 (5/6): 103-104. 1974

PHYSIOLOGY AND BIOCHEMISTRY OF FOREST TREES

QD241.K453
Alkaloids of Liriodendron tulipifera. Ziyaev, R; Abdusamatov, A; Yunusov, S YU *Chem Nat Compd* 10 (1): 119. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Alkaloids of the wood of Liriodendron tulipifera. Abdusamatov, A; Ziyaev, R; Yunusov, S YU *Chem Nat Compd* 10 (1): 126-127. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Mass-spectrometric investigation of the abienols—diterpene alcohols [Abies]. Vlad, P F; Khariton, Kh Sh; Koltsa, M N; Bordakh, O D *Chem Nat Compd* 10 (1): 24-28. Ref. Jan/Feb 1974 (Transl. 1975)

PLANT FUNGUS DISEASES AND CONTROL

511 P444AE
Hybrid forms of malate dehydrogenase of Fusarium oxysporum f. sp. vasinfectum and the cotton plant. Rubin, B A; Kartashova, E R; Zolotukhina, E YU *Dokl Bot Sci* 220/222: 38-40. Ref. Jan/June 1975

QH301.M6
Influence of actidion on the germination of the uredospores of Uromyces caryophyllinus (Schrank) Wint. [Ornamental plants]. Likhachev, A N; Vasin, V B *Moscow Univ Biol Sci Bull* 29 (5/6): 105-106. 1974

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

511 P444AE
The effect of 2,4-D on the permeability of plant tissues [Beans]. Artamonov, V I *Dokl Bot Sci* 220/222: 9-12. Ref. Jan/June 1975

GENERAL ENTOMOLOGY

QD241.K453
Glycopeptides from chitin [Insects and crustaceans]. Odinokova, L YU; Molodtsov, N V *Chem Nat Compd* 10 (1): 136. Jan/Feb 1974 (Transl. 1975)

QH573.C92
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. Fedorova, G I; Podchernyaeva, R YA; Amchenkova, A M; Nikitina, N I; Blinova, V K; Veselovskaya, O V; Kakpakov, V T *Cytol Genet* 8 (5): 10-13. Ref. 1974

QH431.A1G43
Inversion polymorphism in natural populations of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). Petrova, N A *Sov Genet* 10 (1): 59-68. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43
Investigation of the effects of homoeotic mutations. I. Pleiotropic effect of homoeotic aristapedia mutations [Drosophila]. Mglinets, V A *Sov Genet* 10 (1): 69-75. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43
Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. Tomenko, T V *Sov Genet* 10 (1): 76-80. Ref. Jan 1974 (Transl Aug 1975)

QH431.A1G43
Mutagenic and modificational activity of nevigramon [Drosophila melanogaster]. Filippova, L M; Efremova, G I *Sov Genet* 10 (1): 128-129. Jan 1974 (Transl Aug 1975)

QH431.A1G43
Petr Fomich Rokitskii (on his seventieth birthday) [Entomolgists]. *Sov Genet* 10 (1): 139-140. Jan 1974 (Transl Aug 1975)

SOIL SCIENCE

TA4.A453
Dilatancy of frozen soil and development of a strain theory or creep. Zaretskii, Yu K; Gorodetskii, S E *Hydrotech Constr* 2: 127-132. Feb 1975

GB746.W33
Hydrogeothermal methods of studying the percolation properties of soils of the zone of aeration. Frolov, N M *Water Resour* 1 (1): 112-121. Jan/Feb 1974 (Transl. 1975)

SOIL RESOURCES AND MANAGEMENT

TA4.A453
Problems of soil mechanics and construction on structurally unstable and weak soils. Evdokimov, P D; Bushkanets, S S; Gol'din, A L; Lipovetskaya, T F *Hydrotech Constr* 1: 6-14. Jan 1975

GB746.W33
Effect of soil erosion from basins on the sediment transport regime in rivers. Kurdyumov, L D *Water Resour* 1 (1): 133-136. Jan/Feb 1974 (Transl. 1975)

WATER RESOURCES AND MANAGEMENT

TA4.A453
Basic directions of investigations for control and economy of water management. Beschinskii, A A; Reznikovskii, A Sh *Hydrotech Constr* 3: 215-219. Mar 1975

TA4.A453
Improved utilization of water resources at hydroelectric plants. Vasilevskii, A G; Kazarov, S A; Shtern, E P *Hydrotech Constr* 1: 47-82. Jan 1975

GB746.W33
A hydrogeological study of artesian basins from data of surface geophysical investigations. Mel'kanovitskii, I M; Voronina, T N *Water Resour* 1 (3): 424-436. Ref. May/June 1974 (Transl 1975)

GB746.W33
Analytic model of the structure of the water balance. Chernogaeva, G M *Water Resour* 1 (5): 657-661. Sept/Oct 1974

GB746.W33
Clogging of screens and intake zones in collector wells [Groundwater]. Alekseev, V S; Kommunar, G M *Water Resour* 1 (5): 763-768. Ref. Sept/Oct 1974

GB746.W33
Comprehensive evaluation of the effect of industrial activity on the regime of groundwater in the vicinity of reservoirs. Baron, V A; Garmonov, I V *Water Resour* 1 (5): 709-712. Sept/Oct 1974

GB746.W33
Conditions of formation and regional evaluation of subsurface discharge in fold-mountain regions (as exemplified by the basin of the Chusovaya River in the middle Urals) [Groundwater]. Vsevolozhskaya, M A *Water Resour* 1 (5): 746-783. Map. Sept/Oct 1974

GB746.W33
Consideration of the use of water resources in the USSR state water resources inventory system. Kolobaev, A N *Water Resour* 1 (5): 672-678. Sept/Oct 1974

GB746.W33
Contribution of the Academy of Sciences of the USSR to the development of inland hydrology [Water resources]. L'vovich, M I; Fedoseev, I A *Water Resour* 1 (3): 323-334. May/June 1974 (Transl 1975)

GB746.W33
Cybernetic principles of investigating problems of control of the movement of regional groundwater flows. Luckner, L *Water Resour* 1 (5): 729-738. Sept/Oct 1974

GB746.W33
Development of biological productivity of African reservoirs. Musatov, A P *Water Resour* 1 (3): 453-463. Map. May/June 1974 (Transl 1975)

GB746.W33
Effect of economic activity on the state of water resources in West Germany. Shenderuk, G N *Water Resour* 1 (1): 146-151. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Effect of heated water of thermal electric power plants on the oxygen regime of a stream. Eremenko, E V; Sinel'shchikov, V S; Loskutov, N F *Water Resour* 1 (5): 774-779. Ref. Sept/Oct 1974

GB746.W33
Effect of liman irrigation [snowmelt runoff] on soil moisture content and productivity of rangelands. Noskova, L V *Water Resour* 1 (1): 129-132. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Effect of ozonation in treating potable water. Krotkova, B K; Kovrizhnykh, S A; Rogacheva, A I; Ilyunina, G M; Loginova, E N *Water Resour* 1 (3): 381-384. May/June 1974 (Transl 1975)

GB746.W33
Effect of the Kara-Kuma canal of the environment [Water management]. Kornilov, B A; Timoshkina, V A *Water Resour* 1 (3): 346-350. Ref. May/June 1974 (Transl 1975)

GB746.W33
Estimate of annual runoff based on individual elements of the water and heat balances. Kulish, V P; Druzhinin, I P *Water Resour* 1 (1): 27-34. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Experience in mathematical representation of fluctuations of subterranean flow into rivers in the northwest part of the European Territory of the USSR (ETU). Velikina, G M; Ogil'vi, N A *Water Resour* 1 (5): 739-745. Ref. Sept/Oct 1974

GB746.W33
Hydrogeology in the Academy of Sciences of the USSR. Garmonov, I V; Gordeev, D I; Kononov, V I; Zektser, I S *Water Resour* 1 (3): 339-345. May/June 1974 (Transl 1975)

GB746.W33
Main trends and outlook for utilizing water resources of the USSR. Voznesenskii, A N; Gangardt, G G; Gerardi, I A *Water Resour* 1 (3): 315-322. May/June 1974 (Transl 1975)

GB746.W33
Mathematical model for investigating problems of subsurface water dynamics (exemplified by the Ararat plain). Ananyan, A K; Vengrzhanovich, R N *Water Resour* 1 (3): 437-448. Maps. May/June 1974 (Transl 1975)

GB746.W33
Method of determining the effectiveness of measures for protecting water supply. Levin, A P; Prokof'ev, V P; Demin, A P *Water Resour* 1 (3): 405-423. Ref. May/June 1974 (Transl 1975)

GB746.W33
Principles of optimization of reservoir utilization regime. Fedorov, B G *Water Resour* 1 (3): 398-404. May/June 1974 (Transl 1975)

GB746.W33
Problem of the use of subsurface waters for irrigation, exemplified by Uzbekistan. Mirzaev, S Sh *Water Resour* 1 (1): 68-81. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Problems and principles of optimizing water quality control programs. Kuzin, A K; Stanishevskii, S A *Water Resour* 1 (5): 720-728. Ref. Sept/Oct 1974

GB746.W33
Some problems of the recreational use of multipurpose reservoirs near large cities (exemplified by Moscow). Saltankin, V P; Sharapov, V A *Water Resour* 1 (5): 694-701. Ref. Sept/Oct 1974

GB746.W33
Some results of first comprehensive Volga expeditions of the Academy of Sciences of the USSR [Water resources]. Bolotina, O T *Water Resour* 1 (3): 351-356. Map. May/-June 1974 (Transl 1975)

GB746.W33
Sources of Moscow's water supply. Ryabyshev, M G *Water Resour* 1 (3): 361-371. May/June 1974 (Transl 1975)

GB746.W33
State Hydrology Institute [USSR, water resources]. Sokolov, A A; Vuglinskii, V S *Water Resour* 1 (3): 335-338. May/June 1974 (Transl 1975)

GB746.W33
Studies carried out on Ukrainian surface water hydrochemistry. Denisova, A I; Nakhshina, E P *Water Resour* 1 (5): 662-671. Ref. Sept/Oct 1974

GB746.W33
Study of the sources of entry of trace elements into rivers and processes of self-purification of water. Kuz'mina, N P; Krylova, A I *Water Resour* 1 (3): 449-452. May/June 1974 (Transl 1975)

GB746.W33
Study of the subsurface water regime in Hyngary. Kovalevskii, V S *Water Resour* 1 (1): 141-145. Jan/Feb 1974 (Transl. 1975)

GB746.W33
The effect of agricultural activity on the water balance. Perekhrest, S M *Water Resour* 1 (5): 644-656. Ref. Sept/Oct 1974

GB746.W33
The Moscow canal—a large water-supply complex and its significance in the national economy. Bykov, L S *Water Resour* 1 (3): 372-380. Map. May/June 1974 (Transl 1975)

GB746.W33
Theory of vertical hydrodynamic zonation of Artesian basinsof the platform type [Groundwater]. Vsevolozhskii, V A *Water Resour* 1 (1): 122-128. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Water balance investigations in regions of well-developed irrigated agriculture (exemplified by the Syr-Darya basin). Gel'bukh, T M; Dzhogan, L YA *Water Resour* 1 (1): 55-67. Ref. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Water consumption and provision of Moscow and the Moscow district in the future. Zabelin, V A; Rogachev, G P *Water Resour* 1 (5): 687-693. Map. Sept/Oct 1974

GENERAL NATURAL RESOURCES AND ENVIRONMENTAL POLLUTION

GB746.W33
Classification of stream water according to degree of pollution on the basis of microbiological indices. Ambrazene, Zh P *Water Resour* 1 (5): 713-719. Ref. Sept/Oct 1974

GB746.W33
Concentration of helium in artesian water. Vindyukov, P M; Eremeev, A N; Yanitskii, I N *Water Resour* 1 (5): 754-762. Map. Ref. Sept/Oct 1974

GB746.W33
Control of the water regime as a prospective method of protecting waters from depletion and pollution. Gazizov, M S; Ban'kovskaya, B M; Malyshenko, V S *Water Resour* 1 (1): 103-107. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Legal protection of waters from pollution. Kaverin, A M *Water Resour* 1 (5): 679-686. Ref. Sept/Oct 1974

GB746.W33
Methods of comprehensive investigation of state of rivers and determination of causes of their pollution by industrial and domestic effluents. Mitin, B A; Popova, L YA *Water Resour* 1 (1): 99-102. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Protection of waters in Volga basin from pollution. Belichenko, YU P *Water Resour* 1 (1): 92-98. Jan/Feb 1974 (Transl. 1975)

GB746.W33
Removal of phytoplankton [Algae] from water. Kostousova, M N *Water Resour* 1 (3): 385-390. May/June 1974 (Transl 1975)

GB746.W33
Scientific bases of establishment of maximum permissible concentrations of toxic substances in open waters (biological aspect) [Pollution]. Stroganov, N S *Water Resour* 1 (1): 82-91. Ref. Jan/Feb 1974 (Transl. 1975)

GEOGRAPHIC INDEX

, 025336, 028153, 028455, 028597, 029973
Afghanistan 021130, 025650, 029212
Africa 021081, 021101, 021126, 021664, 021780, 025692, 025696, 025915, 026786, 027617, 027649, 029572, 029575, 029619, 029623, 029631, 029688, 029698, 030655, 030758
Alabama 025081, 025179, 025809, 030431
Alaska 021253, 025067, 025285, 025643, 025773
Algeria 021306, 024381, 024406, 030666
America 021086, 029663
Angola 021143, 021326, 021434, 022970, 025566, 027490, 027823
Antarctica 025751, 025755, 025756, 025757
Arctic Regions 029174
Argentina 021142, 021364, 021518, 021582, 021687, 023692, 024527, 025814, 027362, 027392, 028387, 029196, 029530, 029643, 030475, 030583, 030584, 030585
Argentine 025719
Arizona 021210, 021448, 022051, 025263, 025798, 025895, 025911, 026834, 029492, 029654
Arkansas 021099, 021162, 021365, 021672, 021746, 023161, 024030, 024202, 027372, 027713, 028735, 029905
Asia 023059, 023091, 025605, 025711, 025713, 025915, 029599, 029695, 030445
Australia 021127, 021231, 021252, 021469, 021519, 021520, 021521, 021522, 021615, 021616, 022095, 024034, 024200, 024430, 024433, 024972, 025045, 025048, 025157, 025561, 025567, 025695, 025717, 025718, 025752, 025753, 025754, 025758, 025806, 025817, 025871, 025872, 025901, 026293, 026297, 026639, 026651, 027866, 027868, 027870, 028062, 028094, 028157, 028381, 028561, 028602, 028657, 028659, 028725, 028756, 028951, 029151, 029246, 029347, 029393, 029463, 029543, 029605, 029607, 029608, 029609, 029615, 029642, 029664, 030150, 030251, 030264, 030964
Austria 022622, 023702, 024298, 025051, 025052, 025847, 025848, 025849, 028534, 028673, 029579, 029673, 029760, 029769, 030421, 030422, 030423, 030579
Azores 025688
Bahamas 025955
Bangladesh 024374, 024740, 028071
Belgium 022099, 022908, 023239, 024697, 027742, 028275, 029569, 029574, 029620, 029626, 029917
Bismarck Archipelago 025731
Bolivia 029481, 029662
Brazil 021392, 021437, 021475, 021595, 021628, 021629, 021630, 021631, 021722, 021793, 022795, 022831, 023091, 023153, 025013, 025076, 025077, 025177, 025178, 025599, 025630, 025683, 026525, 027373, 027444, 027911, 028004, 028342, 028499, 028740, 028768, 028828, 029000, 029304, 029636, 030686, 030687
British Isles 027679
Bulgaria 025164, 025249, 025520, 026207, 027529, 028474, 030069, 030625
California 021076, 021212, 021373, 022735, 022914, 023230, 024443, 025075, 025141, 025642, 026354, 027427, 027489, 027678, 027698, 028038, 028059, 028062, 028501, 029060, 029648, 029649, 029654, 029689, 030886
Cameroon 023791
Canada 021158, 021167, 021168, 021169, 021170, 021171, 021173, 021174, 021175, 021176, 021177, 021178, 021179, 021181, 021183, 021256, 021325, 021374, 021476, 021477, 021479, 021480, 021505, 021524, 021527, 021538, 021541, 021612, 021614, 021661, 021701, 021702, 021703, 021771, 021785, 021889, 021978, 023101, 023102, 023103, 024099, 024164, 024170, 024171, 024172, 024173, 024357, 024359, 024707, 024899, 025152, 025538, 025539, 025540, 025641, 025656, 025770, 025799, 025800, 025805, 025811, 025879, 025914, 025918, 026116, 026241, 026357, 026667, 027380, 027476, 027477, 027478, 027479, 027480, 027481, 027482, 027483, 027708, 027819, 027820, 027821, 027916, 027927, 027928, 027930, 027931, 027932, 027933, 028232, 028346, 028347, 028348, 028429, 028504, 028505, 028641, 028925, 029280, 029282, 029451, 029552, 029914, 030194, 030195, 030197, 030198, 030434, 030532, 030706, 030819, 030820, 030918
Canary Islands 025685, 025686, 025687, 025749, 029692
Central America 021131, 021132, 021509, 025801, 025850, 025851, 029707, 030345
Chile 021833, 023090, 024475, 024799, 025856, 025857, 025858, 026281, 027524, 027962, 028095, 029629
China 021078, 021088, 021089, 021200, 021510, 021689, 023008, 025580, 025714, 026663, 027386, 027387, 027388, 027389, 027390, 027663, 028415, 029568
Colombia 021218, 021795, 021796, 021797, 022080, 023154, 024741, 024744, 025894, 027757, 027831, 027832, 027860, 028672, 030188
Colorado 021368, 021369, 021370, 021602, 025071, 029205, 029322, 030704, 030711, 030870
Congo 026785
Connecticut 021084, 022862, 024439, 028352, 028508, 029091, 030638
Cyprus 022945, 025607
Czecholsovakia 029672
Czechoslovakia 021138, 021139, 021222, 021226, 021236, 021293, 021294, 021334, 021358, 021359, 021652, 021810, 021811, 021812, 022475, 023078, 023793, 023940, 024386, 024526, 024761, 025515, 025523, 027449, 027536, 027537, 027540, 027541, 027546, 027547, 027550, 027551, 027654, 029168, 030126, 030501, 030547, 030594, 030829, 030835
Czechoslovalia 029982
Czechosovakia 027549
Delaware 025170
Denmark 023137, 023968, 024396, 024397, 024398, 024458, 024812
East Africa 025737, 026128
Ecuador 025771, 029562
El Salvador 029051, 029054
England 021069, 021116, 021185, 021250, 021685, 022889, 024618, 025558, 027591, 027768, 027769, 027771, 029751, 030252, 030814, 030978
Ethiopia 021680, 024642, 025729, 027630, 029566, 029632, 030587
Europe 021163, 021224, 021305, 021357, 021488, 021489, 021499, 021523, 021525, 021534, 021568, 021574, 021634, 021650, 021663, 021667, 021688, 021729, 021764, 021783, 021865, 022542, 024383, 025087, 025793, 025796, 025964, 026150, 026420, 027937, 028420, 028734, 028955, 029364, 029510, 029519, 029713, 029766, 029858, 030649
Fiji 026294
Finland 025578, 025600, 025601, 025602, 025604, 025862, 026365, 027364, 027365, 027955, 028330, 028651, 030586, 030892
Florida 021258, 021445, 024113, 025258, 025668, 025669, 026548, 027111, 027846, 028323, 028440, 028441, 028753, 028829, 028858, 028866, 029150, 029152, 029358, 029587, 029590, 029591, 029658, 030541, 030645, 030934
France 021166, 021264, 021265, 021429, 021535, 021536, 021596, 021621, 021622, 021681, 021761, 021966, 022527, 022529, 022756, 022799, 022911, 022961, 023803, 024017, 024066, 024067, 024068, 024154, 024354, 024681, 024683, 024831, 024884, 025870, 025884, 025972, 026782, 027374, 027375, 027403, 027475, 027743, 027906, 028188, 028428, 028696, 028822, 029079, 029143, 029224, 029238, 029255, 029378, 029462, 029539, 029857, 029913, 030090, 030200, 030505, 030648, 030802, 030848, 030849, 030850, 030851, 030853
Galapagas Islands 025821
Georgia 021327, 021435, 021782, 025253, 025476, 025671, 025809, 025859, 027410, 027815, 028746, 028753, 028969, 030462
Germany (Democratic Republic) 021232, 021238, 021239, 021770, 026176, 026311, 028293, 028305, 028331, 028808, 029718, 029785, 030005, 030006, 030007, 030009, 030010, 030181, 030182, 030500
Germany (Federal Republic) 021153, 021157, 021192, 021193, 021205, 021225, 021232, 021384, 021408, 021417, 021450, 021463, 021484, 021486, 021487, 021594, 021649, 021655, 021656, 021660, 021681, 021695, 021696, 021712, 021713, 021728, 021764, 021772, 021807, 021821, 021845, 021867, 021871, 021895, 022573, 022574, 022575, 022608, 022752, 022753, 022802, 022803, 022805, 022806, 022807, 022956, 023076, 023107, 023129, 023133, 023164, 024236, 024237, 024238, 024239, 024280, 024288, 024291, 024365, 024729, 024804, 025026, 025086, 025088, 025090, 025091, 025110, 025189, 025295, 025296, 025875, 026783, 027443, 027798, 028880, 029144, 029491, 029569, 029571, 029690, 029697, 029712, 029719, 029761, 029762, 029845, 029849, 029850, 029860, 029922, 029944, 030077, 030257, 030258, 030260, 030422, 030458, 030459, 030460, 030759, 030877, 030987
Ghana 022504, 026319, 027083, 027088, 027602
Great Britain 021312, 021425, 021462, 021608, 021609, 021784, 021888, 022687, 023164, 023739, 024148, 024233, 025647, 025649, 025699, 025730, 025774, 026160, 027447, 027876, 027899, 028184, 028209, 028484, 028809, 028810, 028886
Great Britan 028162
Greece 021864, 022650, 024509, 025607, 025609, 025610, 025611, 025628, 027626, 028234, 029748
Greenland 025586
Guatemala 021217, 022076, 029671
Guinea 025740, 025741, 027516, 027518, 027520
Guyana 021275
Haiti 024720, 029662
Hawaii 025640, 028450, 028583, 030604
Hong Kong 021528, 030922
Hungary 021070, 021117, 021154, 021271, 021272, 021273, 021295, 021296, 021393, 021462, 021491, 021669, 021670, 023097, 024297, 024646, 025023, 025024, 025085, 025183, 025184, 025185, 025187, 025248, 025281, 025287, 025524, 025571, 026269, 026886, 027409, 027594, 027655, 028160, 029772, 030091, 030734, 030779
Iceland 025878
Idaho 024307, 030862, 030945
Illinois 024581, 025890, 029346
India 021098, 021106, 021108, 021111, 021190, 021245, 021268, 021278, 021279, 021345, 021394, 021395, 021396, 021397, 021539, 021579, 021581, 021604, 021717, 021757, 021758, 021759, 021820, 021902, 021903, 022011, 022190, 022587, 022949, 023039, 023434, 023445, 024072, 024546, 024962, 025197, 025423, 025425, 025593, 025629, 025689, 025703, 025704, 025802, 025905, 025922, 026009, 026549, 026610, 026807, 026808, 026840, 026850, 026985, 027051, 027355, 027395, 027421, 027696, 027733, 027734, 027758, 027887, 027935, 027939, 027946, 027958, 027964, 028350, 028457, 028458, 028686, 028717, 028720, 028831, 028844, 028860, 028862, 029018, 029316, 029541, 029557, 029572, 029573, 029575, 029674, 029676, 029677, 029682, 029683, 029753, 029792, 029793, 029816, 030218, 030219, 030221, 030223, 030225, 030234, 030235, 030236, 030237, 030245, 030246, 030281, 030295, 030296, 030299, 030300, 030301, 030302, 030303, 030306, 030308, 030309, 030312, 030313, 030314, 030315, 030316, 030317, 030319, 030324, 030442, 030451, 030453, 030455, 030466, 030591, 030658, 030660
Indiana 029657
Indonesia 021540, 026298, 029560
Iowa 024589, 025063, 027466, 027467, 027468, 027469, 027470, 027471, 027472
Iran 021492, 021503, 024436, 024548, 025491, 025575, 027556
Iraq 021500, 025693
Ireland 021388, 021389, 021390, 021583, 021716, 022489, 024750

Israel 021574, 021742, 021875, 022476, 025797, 026670, 027200, 027413, 027748, 028265, 028368, 030794
Italy 021146, 021159, 021188, 021439, 021635, 021723, 021798, 021805, 021806, 021896, 021897, 022203, 022231, 022909, 023092, 023157, 024215, 024748, 025033, 025034, 025102, 025103, 025105, 025705, 025706, 026234, 027363, 027710, 027711, 027844, 027938, 028697, 029360, 029592, 029596, 030180, 030193, 030199, 030520, 030636
Ivory Coast 024640, 024641, 025740, 025741, 027445, 029226
Jamaica 022426
Japan 021077, 021164, 021165, 021211, 021242, 021304, 021324, 021466, 021472, 021493, 021495, 021519, 021541, 021855, 021856, 021857, 021860, 022472, 022473, 023780, 024047, 024142, 024483, 024484, 024486, 024489, 024594, 024624, 024630, 024631, 024633, 024653, 024655, 025015, 025016, 025180, 025420, 025557, 025581, 025631, 025710, 025712, 025880, 025881, 025904, 026076, 026596, 027295, 027350, 027351, 027352, 027353, 027491, 027492, 027494, 027495, 027658, 027824, 027993, 027994, 027995, 028125, 028210, 028273, 028274, 028430, 028445, 028446, 028759, 028876, 028877, 028942, 028994, 029098, 029228, 029540, 029542, 029776, 029901, 030212, 030250, 030353, 030402, 030624, 030740, 030868, 030952
Kansas 021371, 021602, 021692, 025190, 025192, 028940, 029149
Kentucky 024608, 024610, 024611, 025676, 025809, 028270, 028625, 030516
Kenya 021195, 021461, 021678, 022863, 024375, 024603, 024739, 026317, 027614, 027616, 027650, 028300, 028309, 030401
Korea (North) 029039
Korea (South) 021894, 022974, 022975, 023644, 023881, 024685, 024688, 024689, 024690, 024694, 029855, 030334
Kuwait 030191
Latin America 021315, 028088
Lebanon 029593, 029595
Liberia 021542, 025740, 025741
Libyan Arab Republic 021201, 021543, 025573
Louisiana 025460, 025587, 025739, 025910, 029723, 030639
Louisville, Kentucky 022241
Madagasy Republic 028645
Maine 021474, 021677, 025224, 025810
Malagasy Republic 024150, 025598, 026784, 029521, 029536, 029537, 029574, 029746
Malawi 027567, 027601, 030398
Malaysia 029633
Malta 029594
Maryland 028738
Mascarene Islands 025735
Massachusetts 021709, 025813
Mauritius 025546
Melanesia 029394
Mexico 021120, 021121, 021122, 021414, 021502, 021545, 021598, 021599, 021766, 022081, 023052, 025153, 025543, 025772, 027796, 028797, 029644, 029667, 029669, 029706, 029740
Michigan 021215, 021298, 021299, 021718, 023069, 023899, 024302, 025069, 025769, 026545, 028848, 030331, 030332, 030518
Minnesota 021771, 025022, 025059, 025060, 025897, 027450, 027527, 027732, 030263, 030709, 030786, 030863
Mississippi 025672, 025888, 029217
Missouri 021436, 021603, 025261, 027345, 028711, 029287
Mongolia 021415, 025243
Montana 021092, 021962, 025168, 029545, 029665, 030333, 030707, 030710
Morocco 029535
Mozambique 021198, 030715, 030716
Nebraska 021602, 024589, 025030, 025097, 028367, 028610
Nepal 029598, 029693
Netherlands 021155, 021280, 021316, 021355, 021357, 021412, 021430, 021431, 021577, 022224, 022906, 022910, 024369, 024370, 024371, 024372, 024733, 025574, 025866, 027596, 027613, 027625, 027628, 027740, 027745, 027876, 027879, 028124, 028299, 029703, 030405
Netherlands Antilles 025865
Nevada 025777, 027377, 027486, 027489, 027566, 029652, 030513
New Caledonia 025546, 029628
New Hampshire 021676, 025808
New Hebrides 021147, 025155, 025789, 025790, 025791, 025792, 029476, 029478, 030279
New Jersey 021719, 025169
New Mexico 023064, 025822, 026359, 027496, 027525
New York 021140, 021141, 021313, 021351, 021352, 021353, 021354, 021675, 022429, 022862, 028268
New Zealand 021115, 021259, 021260, 021261, 021379, 021428, 021482, 021619, 021711, 021886, 022519, 022520, 022567, 022711, 023156, 023828, 023830, 024505, 024607, 024881, 025053, 025055, 025146, 025150, 025151, 025217, 025219, 025623, 026688, 026990, 026991, 026992, 027397, 027398, 027399, 027461, 027473, 027502, 027872, 028037, 028080, 028396, 028397, 028398, 028532, 028544, 028546, 028547, 028552, 028553, 028555, 028556, 028560, 028561, 028563, 028564, 028565, 028566, 028567, 028568, 028570, 028572, 028574, 028575, 028675, 028773, 028774, 028775, 028776, 028778, 028780, 028781, 028782, 028783, 028785, 028786, 028953, 029157, 029159, 029160, 029846, 030266, 030269, 030326, 030605, 030606, 030719, 030869, 030939, 030940
Nicaragua 021803
Niger 024639
Nigeria 021526, 021549, 022789, 022933, 024751, 028259, 030498
North America 025782, 025783, 025796, 025807, 025812, 025925, 026958, 028038, 028681, 028734, 029070, 029524, 029525, 029526, 029547, 029645, 029646, 029704, 029705, 029707
North Carolina 021129, 021375, 023105, 025673, 025677, 025844, 029782
North Dakota 021682, 026956, 027358, 030640, 030712, 030713
Northern Ireland 021243, 023089, 027890
Norway 021145, 021206, 021332, 021413, 025466, 027811, 029014, 030830, 030889
Nothern Ireland 023973
Ohio 021137, 024466, 025674, 025887, 025889
Oklahoma 021073, 021719, 023148, 023150, 026835, 029222, 029651
Oregon 025158, 025174, 025454, 025457, 025777, 027843, 028871, 030362, 030728, 030729
Pakistan 021202, 021551, 021552, 025697, 025698, 029938
Papua And New Guinea 022001, 025817, 026298, 029615, 030965
Papua New Guinea 021148
Pennsylvania 021091, 021221, 021372, 021637, 024376, 025570, 027504, 028344
Peru 021276, 021553, 021623, 021725, 024464, 027694, 028076, 029661
Philippine Islands 021554, 021555, 023091, 023142, 026295, 029583, 029584, 030530
Phillipine Islands 029582
Poland 021330, 023785, 024604, 025019, 025021, 025050, 025245, 025550, 025551, 025678, 025679, 025680, 025681, 025682, 025854, 025855, 025892, 025912, 026166, 026170, 027414, 028292, 028393, 029556, 029616, 029617, 029618, 030170, 030406, 030824, 030826, 030827, 030828, 030829, 030831, 030833, 030836, 030837, 030838, 030839, 030841, 030842, 030843, 030844
Polynesia 025819
Puerto Rico 029354, 029634
Reunion 025546, 029613, 029680
Rhodesia 029670, 029675
Romania 025226, 025227, 025228, 025230, 025231, 025234, 025242, 025478, 025479, 025481, 025518, 028995, 029863
Ryukyu Islands 029638
Saint Helena 025738
Scandinavia 025602, 025827, 028651, 030508
Scotland 022056, 027592, 027875, 028194, 028380, 030206, 030975
Seychelles 025546
Sierra Leone 028296, 030396, 030568
Solomon Islands 025731, 029661
South Africa 021220, 021799, 022082, 022816, 023152, 027448, 029529, 029576
South America 025852, 028401, 029531, 029532, 029621, 029622
South Carolina 025542, 025670, 028067, 028753
South Dakota 029522
Spain 021071, 021075, 021267, 021438, 022907, 023155, 024295, 025795, 027666, 027940, 028170, 028191, 028207, 028515
Sri Lanka 022649, 023104, 023723, 024255, 024499, 024500, 024501, 024948, 025823, 029578
Sudan 024737, 027590, 027597, 028068, 030632
Surinam 029527
Sweden 021831, 023113, 025163, 025499, 025824, 025825, 025828, 026564, 028698, 029342, 030969
Switzerland 021133, 021391, 021636, 021741, 023671, 024714, 024716, 024902, 025084, 025101, 027453, 027454, 027455, 027456, 027836, 027838, 027839, 028432, 028433, 029679, 029686, 029687, 030521
Syria 029523
Taiwan 025079, 025080, 025275, 025716, 025882, 027307, 027308, 030444
Tanzania 021102, 028309
Tennessee 021322, 025645, 025675, 025809, 030179
Texas 021556, 021929, 024590, 024722, 025182, 025924, 027457, 027458, 027795, 028417, 028586, 028748, 028793, 029071, 029587, 029589
Thailand 021128, 022000, 023091, 023141, 024346, 024673, 024676, 024677, 024680, 024882, 025058, 025728, 028085, 028425, 028426, 029854, 030201, 030327, 030328
Trinidad And Tobago 023753
Tunisia 021307, 023866, 030598, 030694
Turkey 021563, 021726, 022829, 024110, 024598, 024861, 024865, 025061, 025611, 025732, 027910, 028682, 028794, 028893, 029593, 029684
Uganda 027878, 028309
United Arab Republic 021119, 021277, 021532, 025608, 028688, 028801, 030597
United States 021073, 021074, 021097, 021136, 021149, 021151, 021187, 021216, 021241, 021247, 021257, 021266, 021301, 021308, 021317, 021319, 021320, 021321, 021325, 021362, 021376, 021378, 021411, 021421, 021422, 021432, 021433, 021440, 021464, 021465, 021473, 021478, 021480, 021481, 021493, 021494, 021495, 021496, 021497, 021499, 021500, 021501, 021502, 021503, 021504, 021505, 021506, 021507, 021508, 021509, 021510, 021511, 021515, 021523, 021525, 021528, 021529, 021530, 021542, 021546, 021547, 021550, 021551, 021553, 021557, 021559, 021564, 021565, 021566, 021567, 021572, 021573, 021584, 021585, 021586, 021587, 021588, 021592, 021597, 021600, 021613, 021624, 021638, 021658, 021665, 021683, 021684, 021693, 021710, 021720, 021727, 021731, 021732, 021733, 021734, 021735, 021736, 021737, 021738, 021739, 021740, 021744, 021745, 021747, 021748, 021749, 021750, 021751, 021752, 021753, 021754, 021765, 021771, 021788, 021790, 021829, 021835, 021872, 021914, 022053, 022403, 022491, 022560, 022759, 022871, 023059, 023115, 023656, 024031, 024166, 024467, 024471, 024609, 025010, 025011, 025028, 025029, 025031, 025032, 025047, 025056, 025066, 025068, 025073, 025074, 025082, 025092, 025093, 025095, 025096, 025098, 025099, 025100, 025142, 025143, 025145, 025156, 025167, 025173, 025191, 025193, 025194, 025195, 025262, 025459, 025467, 025534, 025636, 025764, 025768, 025778, 025787, 025788, 025885, 025937, 026356, 026669, 027344, 027656, 027657, 027670, 027683, 027692, 027706, 027708, 027728, 027813, 027988, 028315, 028340, 028439, 028510, 028588, 028642, 028649, 028743, 028937, 028939, 029052, 029069, 029147, 029153, 029207, 029359, 029480, 029656, 029706, 029709, 030339, 030413, 030593, 030595, 030602, 030697, 030700, 030702, 030705, 030743, 030792, 030864, 030900, 030917, 030928, 030944
Unites States 021269, 021361, 021426, 021610
Uruguay 022474
USSR 021068, 021118, 021150, 021228, 021229, 021230, 021233, 021283, 021284, 021285, 021286, 021287, 021288, 021289, 021290, 021297, 021333, 021335, 021336, 021337, 021338, 021339, 021341, 021342, 021343, 021344, 021346, 021347, 021348, 021349, 021398, 021399, 021400, 021401, 021402, 021403, 021404, 021405, 021406, 021441, 021442, 021443, 021444, 021446, 021447, 021451, 021452, 021453, 021455, 021456, 021457, 021458, 021459, 021460, 021531, 021537, 021548, 021561, 021562, 021568, 021663, 021666, 021727, 021763, 021768, 021769, 021773, 021800, 021801, 021804, 021813, 021814, 021815, 021816, 021817, 021818, 021819, 021822, 021823, 021824, 021825, 021826, 021827, 021828, 021969, 021970, 021972, 021973, 021985, 021988, 022114, 022719, 022824, 022825, 022834, 022996, 023028, 023034, 023083, 023108, 023169, 023172, 023964, 024077, 024258, 024266, 024267, 024578, 024579, 024770, 024774, 025035, 025036, 025042, 025043, 025046, 025072, 025094, 025106, 025113, 025114, 025116, 025117, 025121, 025122, 025123, 025127, 025128, 025130, 025134, 025135, 025137, 025154, 025198, 025200, 025201, 025205, 025207, 025208, 025209, 025210, 025212, 025213, 025214, 025215, 025236, 025246, 025319, 025320, 025343, 025398, 025434, 025439, 025442, 025450, 025522, 025554, 025555, 025556, 025559, 025568, 025569, 025690, 025707, 025708, 025709, 025715, 025742, 025743, 025744, 025745, 025746, 025747, 025908, 025909, 026016, 026210, 026248, 026250, 026252, 026255, 026256, 026257, 026258, 026259, 026260, 026261, 026264, 026265, 026266, 026268, 026271, 026272, 026275, 026276, 026279, 026280, 026615, 026616, 026837, 027292, 027293, 027429, 027432, 027434, 027436, 027440, 027506, 027507, 027508, 027509, 027510, 027511, 027513, 027514, 027515, 027519, 027521, 027522, 027523, 027528, 027530, 027543, 027557, 027562, 027573, 027574, 027580, 027581, 027778, 027779, 027780, 027781, 027783, 027784, 027835, 027845, 027852, 027853, 027854, 027864, 027989, 027990, 028008, 028010, 028015, 028018, 028020, 028022, 028028, 028029, 028102, 028111, 028116, 028120, 028155, 028289, 028305, 028459, 028462, 028464, 028466, 028467, 028469, 028472, 028473, 028477, 028482, 028630, 028633, 028669, 028764, 028767, 028795, 028796, 028804, 028805, 028901, 028903, 028907, 028914, 028943, 028950, 028966, 029020, 029167, 029173, 029186, 029188, 029190, 029390, 029475, 029497, 029586, 029600, 029601, 029602, 029603, 029984, 030063, 030065, 030067, 030071, 030072, 030106, 030129, 030134, 030164, 030165, 030166, 030167, 030168, 030228, 030254, 030256, 030285, 030286, 030290, 030291, 030373, 030374, 030375, 030379, 030380, 030381, 030490, 030493, 030495, 030496, 030499, 030503, 030506, 030534, 030536, 030542, 030558, 030559, 030562, 030563, 030564, 030571, 030574, 030577, 030600, 030608, 030610, 030611, 030619, 030622, 030651, 030656, 030661, 030672, 030673, 030675, 030680, 030683, 030721, 030723, 030746, 030754, 030755, 030756, 030763, 030766, 030767, 030768, 030771, 030773, 030774, 030775, 030776, 030777, 030780, 030781, 030783, 030784, 030960, 030961, 030970, 030984
Utah 021625, 021626, 027556, 028454, 029062, 029066, 029067, 029068, 029479
Venezuela 021559, 025597, 028145, 030365
Vietnam 025691
Virgin Islands 029634
Virginia 027672, 028710, 029064, 030816, 030818
Wales 027591
Washington 021186, 022062, 022887, 024378, 025174, 025454, 028819
Washington, District Of Columbia 029653
West Indies 022079, 024493, 025869
West Virginia 025038
Wisconsin 023166, 025552, 027346, 027585, 027586, 029328, 030169, 030733
Wyoming 025927, 030708

Yugoslavia 021424, 021570, 025251, 025545, 025846, 027544, 027961, 028956, 028958, 029561
Zaire 025963, 029630
Zambia 029055

CORPORATE AUTHOR INDEX

, 1975 028566
Africa Symposium on Horticultural Crops, 3d, Nairobi, 1973 027649
Agricultural Marketing Service 021465
Alabama Agricultural Experiment Station 025081, 025179, 030431
Alaska Agricultural Experiment Station, Palmer 021253, 021471
American Association of Veterinary Anatomists 023230
Arizona Agricultural Experiment Station 021448, 030430, 030582
Arizona University Cooperative Extension Service 030430, 030582
Arkansas Agricultural Experiment Station 021162, 021365, 021638, 021672, 023016, 023093, 023094, 023161, 023694, 023932, 023933, 024030, 024202, 024221, 024222, 027372, 027526, 027713, 028332, 028494, 028495, 028530, 028713, 029905, 030420, 030603, 030726
Arkansas University Cooperative Extension Service 022071, 022072
Arthur, D. Little, inc. 029147
Bles, Scheveningen, 1975 027634
California Agricultural Experiment Station 021087, 021373, 023720, 027721, 028501, 029001, 030642
California University, Berkeley Agricultural Extension Service 022914, 027427, 027428, 027793, 027794, 027914, 027915, 028526, 030463
California University, Berkeley Cooperative Extension Service 024061
Clemson University Extension Service 028744
College School of Forestry And Wildlife Management 025144, 025459, 025460, 025739
Colorado State University Cooperative Extension Service 021368, 021369, 021370
Connecticut Agricultural Experiment Station 021697, 030432, 030638
Connecticut Storrs Agricultural Experiment Station 021084, 021216, 021328, 022201, 023643
Connecticut University Cooperative Extension Service 021085, 021376, 027162, 027727, 027728, 028351, 028352, 028508, 028640, 029091, 030021, 030022, 030441
Cornell University School of Hotel Administration 022362
Ekten Faculteit der Diergeneeskunde De Werkgroep Wormmiddelen 024734, 024735
Entina 021364, 021468
Federation of British Plant Pathologists 028328
Florida Agricultural Experiment Station, Gainesville 021445, 027846, 028440, 028441, 028442, 029976, 029977, 030541
Food and Agriculture Organization of the United Nations 021184, 021345, 021653, 021708, 021820, 022065, 023079, 023080, 023950, 024249, 024312
Food and Agriculture Organization of the United Nations Committee on Commodity Problems 021662
Food and Agriculture Organization of the United Nations Rural Institutions Division 021198, 021199, 021200, 021201, 021202, 021203
Forest Service 025093
Genetics Society of Canada 026116
Georgia Agricultural Experiment Stations 023740, 027410, 028742, 030461, 030462, 030652
Georgia Experiment Stations 021327, 021435, 022532, 030114
Georgia University Cooperative Extension Service 028336
Great Plains Agricultural Council 025031
Great Plains Agricultural Council Research Committee 021572, 021573, 021730, 021731, 021732, 021733, 021734, 021735, 021736, 021737, 021738, 021739, 021740, 022440, 023116, 023741, 025029, 025030, 025031, 025032, 025095, 025096, 025097, 025098, 025099, 025100, 025190, 025191, 025192, 025193, 025194, 025354, 026956, 028367, 028939, 028940, 030699, 030700, 030701, 030702, 030703, 030704, 030705, 030706, 030707, 030708, 030709, 030710, 030711, 030712, 030713, 030900, 030901
Hawaii Agricultural Experiment Station 023879, 027053, 028583, 030604
Idaho University Cooperative Extension Service 022724, 023725, 024307, 024503, 027941, 028830
Illinois University College of Agriculture Cooperative Extension Service 028439
Imals, Nouzilly, 1974 023997
Indiana Agricultural Experiment Station 027041, 030957
Institute of Nutrition of Central America and Panama Division of Human Development 022185
Instituto de Estudios Economicos de la Sociedad Rural Arg 021364, 021468
Instituut voor Veterinaire Parasitologie en Parasitaire Zi 024734, 024735
Inter-American Institute of Agricultural Sciences 021131, 021132
International Congress on Mycoplasmas, Bordeaux, 1974 028253
International Symposium on Flower Bulbs, 2d, Littlehampton 027627
International Symposium on Fruit Tree Virus Diseases, 9th, 028184
Iowa State University of Science and Technology, Ames Cooperative Extension Service 022234, 027466, 027467, 027468, 027469, 027470, 027471, 027472, 028539, 028540, 030509
Joint Fao/ece Agriculture Division 021489
Kansas Agricultural Experiment Station 021371
Kansas State University Cooperative Extension Service 022233, 027441
Kent, 1973 028184
Kentucky Agricultural Experiment Station 030516
Kentucky University Cooperative Extension Service 021849, 023095, 023096, 023695, 026075, 027348, 027349, 027754, 028834, 028835, 029900
Kentucky University Dept. of Agricultural Engineering 029900
Kentucky University Dept. of Agronomy 026075, 027348, 027349
Kentucky University Dept. of Animal Sciences 021849, 023095, 023096, 023695
Kentucky University Dept of Horticulture 027754
Louisiana Agricultural Experiment Station 021638, 025144, 025459, 025460, 025739, 030639, 030726
Louisiana State University and Agricultural and Mechanical 025144, 025459, 025460, 025739
Maine Life Sciences and Agriculture Experiment Station 021474
Maryland Agricultural Experiment Station 029639
Maryland University Cooperative Extension Service 021378, 021597, 021765, 027396, 030888, 030937
Michigan Agricultural Experiment Station 021215, 023069, 023070, 023645, 023646, 023882, 023883, 023884, 023885, 023886, 023887, 023888, 023889, 023890, 023891, 023892, 023893, 023894, 023895, 023896, 023897, 023898, 023899, 023900, 023901, 023902, 023903, 023904, 024207, 024208, 024209, 024894, 024895, 024989, 025477, 030331, 030332, 030518, 030718
Michigan State University Cooperative Extension Service 021298, 021299, 021600, 022228, 025284, 027956, 027957, 030060
Michigan State University Dept. of Agricultural Economics 021298, 021299, 021600
Minnesota Agricultural Experiment Station 025059, 025060, 027450, 027527, 030263
Minnesota University Agricultural Extension Service 021771, 022085, 024521, 027731, 027732, 029953, 030887
Mississippi Agricultural Experiment Station 021638, 030726
Missouri Agricultural Experiment Station 021149, 021436, 021803, 030966
Montana Agricultural Experiment Station 021472, 021962, 029665, 030333
National Conference on Agricultural and Biological Science 021128
Nebraska Agricultural Experiment Station 028150
Nevada Agricultural Experiment Station 021212, 021213, 021214, 021432, 021433, 021624, 027484, 027485, 027486, 027487, 027488, 027489, 028580, 030513
Nevada University Cooperative Extension Service 027377
New Jersey Agricultural Experiment Station 021473
New Mexico Agricultural Experiment Station 027496
New York (State) Agricultural Experiment Station, Geneva 021140, 021141, 029073
New York State College of Agriculture and Life Sciences Dept. of Agricultural Economics 021350, 021351, 021352, 021353, 021354, 021658, 021675, 021676, 021677, 022862, 030631
New York (State) Cornell Agricultural Experiment Station, Ithaca 021350, 021351, 021352, 021353, 021354, 021658, 021676, 021677, 022862, 030631
New Zealand Weed and Pest Conrol Conference, 28th, Hastings 028566
North Carolina Agricultural Experiment Station 021129, 026069
North Carolina State University Agricultural Extension Service 021375, 021427, 022230, 023105, 024163, 025082, 028349, 029782
North Dakota Agricultural Experiment Station 030640
Ohio Agricultural Research and Development Center 021137, 030717
Ohio State University Cooperative Extension Service 021488
Ohio State University Dept. of Agricultural Economics and Rural Sociology 021488
Oklahoma Agricultural Experiment Station 021329, 021673, 021791, 021792, 023148, 023149, 023150, 023647, 023648, 023905, 023906, 023907, 023908, 023909, 023910, 024210, 024211, 024212, 027497
Oregon Agricultural Experiment Station 024223, 027843, 030362, 030727, 030728, 030729, 030730, 030731
Oregon State University Extension Service 023109, 023110
Pacific Logging Congress, 65th, Reno, 1974 025455
Pennsylvania Agricultural Experiment Station 021221, 021372, 021637, 024360, 027504, 027505, 027840, 028277, 028339, 028437, 028890, 028891, 030125, 030522
Rhode Island Agricultural Experiment Station 022227
S, 13th, Bangkok, 1974 021128
Skegness, 1974 027627
Symposium on Greenhouse Design and Development, Silsoe, 19 029887
Symposium on Protected Cultivation of Flowers and vegeta 027634
Symposium on the Control of Sexual Cycles in Domestic An 023997
Texas Agricultural Experiment Station 027442, 027457, 027458, 027795, 028986
Tropical Products Institute 022435
U.S. 021465, 025093
U.S. Agricultural Marketing Service 021835
U.S. Agricultural Research Service 021994, 021995, 022737, 022738, 026885, 028487, 028488, 028700, 028701, 028990, 030634, 030635, 030799
U.S. Agricultural Research Service Crops Research Division 028066, 028067, 028068, 028069, 028070, 028071, 028072, 028073, 028074, 028075, 028076, 028264, 028265, 028266, 028267, 028268, 028269, 028270, 028417, 028418, 028419, 028771
U.S. Agricultural Research Service Northeastern Region 022053, 022645, 024031
U.S. Agricultural Research Service Southern Region 029240, 029241
U.S. Agricultural Research Service Western Region 027056, 028152
U.S. Agricultural Stabilization and Conservation Service 021247, 021692, 021693
U.S. Animal and Plant Health Inspection Service 028712

U.S. Animal and Plant Health Inspection Service Plant Protection and Quarantine Programs 028642, 028716
U.S. Dept. of Agriculture 021073, 021074, 021151, 021269, 021308, 021361, 021362, 021411, 021421, 021422, 021464, 021465, 021666, 021667, 021683, 022103, 022157, 022528, 022560, 022735, 022812, 022838, 022870, 022871, 023111, 025056, 025057, 025073, 025145, 025265, 027656, 027736, 027755, 027756, 028315, 028318, 028363, 028369, 028410, 028517, 028670, 028681, 028769, 028987, 028988, 029498, 029957, 029958, 029959, 029960, 029961, 029962, 029963, 029964, 029965, 029966, 029967, 030079, 030593, 030595, 030654, 030689
U.S. Dept. of Agriculture Economic Research Service 021187, 021266, 021426, 021492, 021494, 021495, 021496, 021497, 021498, 021499, 021500, 021501, 021502, 021503, 021504, 021505, 021506, 021507, 021508, 021509, 021510, 021511, 021610, 021651, 021663, 021664, 021665, 021715, 022759
U.S. Dept. of Agriculture Office of Audit 021134, 021135, 021317, 021318, 021319, 021320, 021321, 021322, 021790, 022200, 025156, 030602
U.S. Extension Service 021091, 021092, 021093, 021094, 021095, 021096, 021097, 021189, 022229, 022895, 025285, 025552, 028516
U.S. Farmer Cooperative Service 021099, 021123, 021301, 021302, 021303, 021602, 021603
U.S. Food and Nutrition Service 021718, 021719, 021720, 022091
U.S. Foreign Agricultural Service 021100, 021493, 021514, 021515, 021516, 021517, 021518, 021519, 021520, 021521, 021522, 021523, 021524, 021525, 021526, 021527, 021528, 021529, 021530, 021531, 021532, 021533, 021534, 021535, 021536, 021537, 021538, 021539, 021540, 021541, 021542, 021543, 021544, 021545, 021546, 021547, 021548, 021549, 021550, 021551, 021552, 021553, 021554, 021555, 021556, 021557, 021558, 021559, 021560, 021561, 021562, 021563, 021564, 021565, 021566, 021567, 021568, 021569, 021570, 021641, 021642, 021643, 021644, 021645, 021646, 021647, 021648, 021722, 021723, 021724, 021725, 021726, 021727, 021888, 021889, 023028
U.S. Forest Products Laboratory 025530, 025531, 025532, 025533
U.S. Forest Service 025028, 025092, 025093, 029936
U.S. Intermountain Forest and Range Experiment Station 025064, 025168, 025252, 025529, 027343, 027344
U.S. North Central Forest Experiment Station 025069, 025172, 025260, 025261, 025534, 027345
U.S. Northeastern Forest Experiment Station 025169, 025170, 025171, 025173, 025254, 025255, 025262, 025535, 025536, 025537, 030554
U.S. Pacific Northwest Forest and Range Experiment Station 025067, 025158, 025167, 025174, 025256, 025257, 026070, 028588, 028960, 028961, 028962
U.S. Pacific Southwest Forest and Range Experiment Station 021194, 028450
U.S. Rocky Mountain Forest and Range Experiment Station 025065, 025066, 025068, 025263, 025927, 028451
U.S. Soil Conservation Service 021638, 030726
U.S. Southeastern Forest Experiment Station 025253, 025258, 025259, 025264, 028959
Utah Agricultural Experiment Station 021227, 021625, 021626, 027555, 027556, 028453, 028454, 028594, 028595, 029666, 030743
Washington (State) Agricultural Experiment Station 022062, 022887, 023719, 028340
Washington State University Cooperative Extension Service 021186, 027404, 028513, 028833, 030864
Wisconsin University Cooperative Extension Programs 021234, 022556, 027346, 027583, 027584, 027585, 027586, 028483, 029866, 029867, 030169
Wyoming University Agricultural Extension Service 022226
73 029887

PERSONAL AUTHOR INDEX

Aalders, L E 026115, 027722
Aamisepp, I 027778
Aanesland, N 021206
Abadjieff, W 021842
Abbas, S 027696
Abbott, D C 029128, 029139
Abbott, J L 030430
Abbuhl, U 023742
Abdel-Aal, S I 030341
Abdel-Al, Z E 027597, 027640, 030632
Abd-el-Malek, Y 021986, 021987
Abdou, M A F 024364
Abdulla, A F 027590
Abdusamatov, A 027312, 027313
Abe, A 023066
Abe, H 027965
Abe, M 027493
Abe, T 023582, 024594
Abel, C 024414
Abel, D L 024927
Abel, J H Jr 024056
Abel, M E 021771
Abel, W O 026897
Abello, G 022379
Aberham, H 022755
Abiko, Y 023203
Abilay, T A 024100
Abraham, A 026635
Abraham, H C 022671
Abraham, S 023511
Abrami, A 025034
Abramov, N F 028914
Abramova, R A 025335
Abramovich, K B 025412
Abrasev, G 025517, 025520
Abreu, R A de 022423, 022425
Abubakirov, N K 026507, 026508, 026618
Abyshev, A Z 026485
Abzianidze, N V 028892
Acacio Ziprin, Y 022232
Acchiardi, J 022377, 026780
Achari, B 026850
Acker, L 021891, 021982
Ackerley, J G 024180
Ackerley, L R 022695
Ackerman, W L 030416
Acocks, J P H 027448
Ada, H 024112
Adabra-Michanol, Y 026701
Adam, J G 025740, 025741
Adamchuk, I V 030160
Adamczewski, K A 028618
Adamkova, M 026417
Adams, B R 027595
Adams, F 030431
Adams, J C 021960, 021978
Adams, J P 022937
Adams, M S 025893
Adams, N J 024196
Adams, P A 027020
Adams, R M 027111
Adams, T E 024095
Adams, W V Jr 024587
Adamson, R M 030403
Adamson, T M 023466
Adashkevich, B P 028906
Adcock, R C 023223
Adda, J 021939
Adedipe, N O 027130
Adelson, J W 023202
Adhikari, M 030308, 030310
Adiga, P R 026953
Adler, E 025362
Adler, I L 029105, 029106
Adolf, F P 025364
Adrian Soulages, C 024698
Adylov, Z K 028764
Afanas'ev, G N 025395
Afanas'eva, M M 028011
Afifi, A F 030282
Afnan, M 024436
Afonso, S 023458
Afrikian, E G 029789
Agaev, B M 030683
Agakishiev, D 026972
Agalykov, N 029799
Agar, N S 023237
Agarwal, C P 025802
Agarwal, K N 022172
Agata, W 027494
Aghina, C 021798
Agisheva, T I 027321
Agnew, S 025693
Agrawal, J P 027420
Aguilar, A A 022480
Aguirre, J A 021671
Aharoni, H 024528
Ahlawat, I P S 030659
Ahlers, R 024808
Ahlgrimm, H J 026988
Ahloowalia, B S 027406
Ahlquist, R P 023254, 023262
Ahmad, A M 027953
Ahmad, M H 030392, 030393
Ahmad, S 028665
Ahmed, M Y Y 028895
Ahokas, J 030153
Ahrberg, H E 027952
Ahren, K 024135
Ahti, T 025605
Ahuja, B S 022111
Ahuja, S D 024078
Aimi, N 026514, 026655
Aina, J O 027207
Airoldi, J P 028420
Airy, J 023128
Aist, J R 026011
Aitken, M M 024309
Aiushin, N 030669
Aizaki, M 030906
Aizawa, K 028654
Ajami, A M 029405
Ajiboye, E A 024478
Akaiev, F I 025433
Akakabe, T 030926
Akamatsu, Y 029202
Akarte, N R 027184
Akasaka, K 026411
Akasi, T 025202
Akazawa, T 027269
Akhaladze, V E 030618
Akhmedov, A 021286
Akhmedzhanova, V I 026480
Akhmina, E I 025338
Akhurst, R J 028951
Aki, T 024110
Akin, F 024322
Akiyoshi, M A 022876
Akkayan, C 024111, 024112
Akkilic, M 023773
Akramovich, N I 026947
Akratanakul, P 029756
Akre, B G 029319
Akre, R 028833
Aksnes, K 027801
Akulova, E A 027135
Akulova, N 027782
Akulovich, E M 026947
Akwari, O E 023210
Alacam, E 024861, 024862
Alary, J 021838
Alary, R 022740
Albaugh, A 022667
Albaugh, R 022667
Albert, G 026423
Albertini, L 028341
Alberts, E E 025063
Albiakov, M P 030082
Albini, F A 025252
Albrecht, R 029100
Albrechtsen, E 025177
Albritton, D J 030420
Alcantara, P J 024976
Alcock, J 029211, 029492
Alcorn, J L 027868
Alcubilla, M 027317
Aldag, R 030272
Alderson, P G 027983
Aldred, W H 028443
Aldrich, H C 025991
Aldrich, J R 029220
Aldrich, R A 028339
Aldridge, E F 026697
Aleev, B G 028629
Alejnikova, M M 030277
Alekand, K 030607, 030611
Alekhin, S N 030542
Alekseev, A P 026259
Alekseev, V S 030752
Alekseev, YU E 025750
Alekseeva, M 026207
Aleksov, A V 024266
Aleskerov, T A 030490
Alessi, J 027358
Alexander, D J 024420
Alexander, F 024310
Alexander, K C 028720
Alexander, R R 025927
Alexander, S A 028074
Alexandrescu, V 028276
Alexandrowicz, Z 030824
Alfano, M C 022033
Ali, M 027425
Ali, T 023057
Aliab'ev, V I 025448
Alibasoglu, M 024598, 024865
Alibert, J 029433
Aliev, M Sh 024268
Alimov, R I 026488
AliNiazee, M T 028854
Alioth, C 024902
al-Janabi, B M 024743
Alkema, H Y 027653
All, J N 028921
Allaire, S 029143
Allam, A M 026624, 026867
Allan, E N W 028985
Allan, J D 029322
Allan, P 027107
Allan, P F 030593
Alldredge, J R 023629
Allen, E T 025138
Allen, N K 023913
Allen, P C 024583
Allen, R 030941
Allen, T C 028211
Allen, W A 028710
Allen, W R 024012
Allgood, J G 025082
Allison, A J 024182, 024185
Allison, J C S 027366
Allodi, C 024712
Alloway, B J 030252
Allum, K H 030974
Alm, A A 025897
Almeida, J M R 021326, 030517
Alpi, A 027074, 027090, 027277
Al'smik, P 026206
Altamirano, M 023218
Al'tergot, V F 026951
Althen, T G 022675
Altinyay, N 027910
Altonen, M 030153
Altszuler, N 023214
Alvarez A, M 026281
Alward, R 029975
Alwis, M C L de 024499
Amabis, J M 029307
Amagaya, S 026464
Amanzholov, K D 022720
Amarat, V do 029000
Amassian, V E 023546
Amatredjo, A 024747
Amaya, J N 028387
Ambastha, C K 021105
Amberg, H R 030970
Ambo, K 023660
Ambrazene, Zh P 030979
Ambrose, D M 021467
Amchenkova, A M 029317
Amdrup, E 024308
Amend, N K 024338
Ament, R D 024781
Amerasinghe, N 021203
Ames, I H 026231
Amin-Bakhche, M 024021
Amirov, M B 021447
Ammirati, J F 025767
Amor, R L 028602
Amponsah, J D 026319
Amsen, M G 029878, 029890
Amstutz, H E 024301
Amundson, C H 022937
An, S H 024686
Ana Magan, F J F de 027940
Anagnostaki, E 027065
Ananda Rao, T 025905
Ananthakrishnan, T N 029558
Ananthasubramanian, K S 029558
Ananyan, A K 030768
Anda, L P 023676
Anders, G 030649
Andersen, A L 027956, 027957
Andersen, L D 023455
Anderson, A B M 024105
Anderson, A D 023637
Anderson, D E 023109, 023110
Anderson, E 024064
Anderson, G J 025638
Anderson, J 029369, 030743
Anderson, J C 024481
Anderson, J F 024389
Anderson, J R 021248
Anderson, L E 029442
Anderson, L K 024334
Anderson, L L 023212
Anderson, M J 023768
Anderson, M R 025890
Anderson, Mary A 022127
Anderson, O E 030462
Anderson, R C 025890
Anderson, R E 026409
Anderson, R J 023264
Anderson, T W 022037
Anderson, W 023370
Anderson, W E 022501
Anderson, W F 023485
Anderson, W H 026665
Anderson, W P 023469
Andersson, A 024569
Andersson, G 023114
Ando, K 028373
Ando, M 027099
Andrasko, H 024759
Andre, D 023989
Andreae, B 021821
Andreasen, T 023384
Andreescu, V 025478
Andreev, M B 025322
Andreux, F 030188
Andrew, M J A 022635
Andrew, R H 027584
Andrews, A H 023099, 023344
Andrews, C J 027021
Andrews, H T 025804
Andrews, M G 024115
Andrews, R J 023062
Andrews, W H 021916
Andrianov, S N 025041
Andries, A P 023071
Andrle, O 024761
Andronov, V V 025404
Androvski, A 026178
Andrus, D F 024102
Andrus, K 023143
Anfinson, M S 023630
Angalet, G W 028642
Angel Altieri, M 025923
Angel Ceniceros, J 021120
Angeli-Couvy, J 025973
Angelini, P 022663
Angelo, S J 024316
Angenot, L 026732
Angerosa, F 022980
Anguera, S 022660, 022767
Angulo, A B 024722
Anishin, P A 025130
Anisimov, B 027781
Aniskin, V I 027511
Anjaneyulu, T S R 030480
Anker, L 026872
Anne, J 026376
Annison, E F 023850
Anokbonggo, W W 023273
Anpilogov, A K 030899
Ansari, A S 023430
Ansari, M Y 025999
Ansay, M 023976, 023977
Anson, J 023592
Anspaugh, L R 030903
Antal, G 030101
Antal, J 023930
Antanaitis, V 025123
Antepliogli, H 024322
Antheunisse, J 024497
Antillon, A 023825
Antipov, N I 026870
Antognoli, D 029729
Antonelli, A 028833
Antonelli, A L 028830
Antonov, A S 027169
Antonov, I V 027517
Antonovskii, S D 027321
Anwar, M 028867
Aoki, T 022558, 023572
Aoki, Y 021910
Aomine, S 030353
Aoshima, H 026411, 026883
Aoyama, Y 021993
Aperia, A 023180
Apgar, J 024114
Appelberg, B 023187
Appleby, C A 026910
Appleman, R D 024521
Apt, Y 030588
Arafa, A S 022727
Aragaki, M 028075
Aragones de Ines, J 021267
Arai, K 023661, 025461
Araji, J A 022705, 023636
Arakawa, M 022139
Arakawa, T 022734
Arakelian, A O 028902
Arakelov, P B 030070
Araman, P A 025535, 025537
Arambarri, R 024352
Arambawela, W J 023792
Arango T, F 027833
Arata, Y 026521
Arato, I 025286
Araveeporn, R 030739
Araya, A 029249
Arazashvili, A I 026474
Arbeiter, K 023978
Arbel, E R 023209
Arbuckle, W S 022566
Arbuzov, V V 025300, 025307
Archer, S A 026042
Archibald, P A 025821
Archibald, R D 028784
Archie, W J 030719
Aref, K E 030377
Arenstein, Z 027959
Arestova, G S 026481
Argauer, R J 029841
Arimatsu, Y 023415
Aristarkhova, S A 022214
Arjunan, G 027958
Arman, I P 026283
Armand, P 022379
Armbrust, E J 028731
Armbruster, S L 023648
Armsbrust, D V 030617
Armstrong, D E 026696
Armstrong, J A 028927
Armstrong, K C 026123
Arnautov, V I 030163
Arnett, J D 028067
Arnold, C G 026056
Arnold, G W 023696
Arnold, J P 024389
Arnold, R G 022440, 022592
Arnon, D 027753
Arnon, D I 027281
Arnon, I 026962
Arnon, R 026551
Arnstein, Z 028205
Arobelidze, S M 021150
Arons, E 026003
Arora, C L 028350
Arora, S P 023746
Aroshtam, A A 029465
Arrifai, K 021891
Arrivo, A 022538
Arrowsmith, A E M 024606
Arscott, G H 024946
Artamonov, V I 028356
Artem'jeva, T I 030277
Arthey, V D 026082
Arthur, A P 028815
Arthur, G H 024336
Arthur, R D 024945
Artiukov, A I 025447
Aruga, F 027716
Arunajatesan, S 021397
Arutiunov, A V 028376
Arzhanov, E P 025044
Asada, T 024874
Asada, Y 027904
Asahi, T 027261
Asai, Y 025712
Asakawa, S 027337

Asama, I 027824
Asanov, A N 026539
Asanova, V K 025131
Asante, M 022552
Asgari, M 026458
Ashby, B H 022645
Ashchaie, A 028031
Ashford, R 028623
Ashida, K 021993
Ashikhmina, G P 025332
Ashirova, A A 025555
Ashiru, G A 027857
Ashley, T J 021162
Ashmarin, I P 023312
Ashour, N I 026945
Ashraf, M 028868
Asif, M I 027190
Aslanbey, D 024860, 024970
Aslanian, E A 027522
Aslanov, Kh A 026504
Aslanov, S M 026479
Asmus, F 030183, 030419
Asnani, P J 024545
Asperger, H 022604
Aspinall, J C 030605
Asplund, J M 023760
Aspock, H 029510, 029586
Aspock, U 029510, 029586
Assadi-Moghaddam, R 024290
Assaf, R 030662
Assmann, E 025027
Asthana, D C 030456
Astier, T 028247
Aswathanarayana, B S 025382
Atal, C K 026608
Atamanov, IU I 030072
Atanasiu, P 024494
Atanasoff, D 028197
Atherton, J G 024512
Atherton, R W 024083
Atkins, A 029609
Atkins, E L 029824
Atkins, M D 021698
Atkinson, D E 023307
Atkinson, L J 021651
Atkinson, W O 026890
Atkns, C A 027016
Atmadilaga, D 021540
Atteba, S 029100
Attri, S C 030235
Atureliya, D 022649
Atzmuller, 029767
Auchmoody, L R 030554
Auclair, J E 022597
Audisio, P 029593
Audit, C 029318
Augambaev, M A 027430
Aulerich, D E 025457
Aumaitre, A 024154
Aune, J E 025540
Auran, T 024019
Ausman, D 024166
Austen, B M 026813
Austic, R E 023814
Austin, B 026979
Austin, L A 021527
Austin, S M 026395
Austmeyer, K 022858
Austruy, M 027146
Autustini, G 021200
Auxilia, M T 023092
Avarezd, R 025243
Avendunk, G 024288
Averdunk, G 024234, 024280, 024283
Avermaete, U 022862
Averna, V 022978
Averre, C W 028349
Avery, C E 022227
Avetisova, N I 022834
Avezdzhanova, G P 028001
Aviado, D M 024998, 024999
Avitabile, A 029728
Avliiakulov, A E 030675
Avrahami, M 024983
Avramenko, R S 028025
Avvakumova, E N 026949
Awasthi, S 027355
Axford, R F E 023707
Ayabe, T 026100, 026101
Ayala, F J 029239
Ayaz, M 022681
Aycardi, E 024744
Aydemir, H 025061
Aydin, A 023818
Ayernor, G S 022934
Ayigbede, O 022063
Ayim, J S K 026562, 026711, 026718
Ayoub, A T 028379
Ayres, J C 021924
Ayukawa, Y 026533
Ayuso Gonzalez, P 028191
Ayuy, A 024039
Azan, M 024068
Azar'ian, M B 028464
Azimova, R M 028026
Azizov, M 026213
Azocar, P 025857
Azzie, M A J 024616, 024974
Baars, J A 026992
Baba, T 024537, 027965
Babak, T A 025199
Babatunde, G M 023778
Babbitt, J K 022500
Babchuk, I V 028482
Babcock, K L 030343
Babdzhanova, D A 027431
Babenko, V I 026251
Babina, F A 028107
Babish, J G 022138
Babiuk, L A 024573
Babovic, M 028159
Babuchowski, K 022821
Babul, J 023303
Babushkin, L N 026565
Bacchetti, P 024311
Bacheler, J S 029288
Bachli, E 028435
Bachmann, O 022892
Baciu, A D 025480
Back, E L 025496
Bacon, H F 025503
Bacon, J D 026739
Badalbaeva, T A 026508
Badanur, V P 030592
Baden, J III 025670
Bader, J 023965
Badertscher, R R II 024313
Badger, D D 030630
Badger, D D ed 021737
Badgley, M E 029001
Badoni, S P 025426
Badour, C 022984, 022985
Badulin, A V 028806
Baenziger, H 027378, 027379
Baer, E F 021912
Baer, H 028538
Baert, J 023360
Baeva, R T 026618
Bagge, P 029171
Bagi, G 026773
Baglai, A N 025106
Bagshaw, P A 024817
Bahk, K S 024687, 024689
Bahner, B 021955
Bahoric, A 024096
Bahr, K H 024807
Baier, J 030552
Bailey, A C 029981
Bailey, B J 029883, 029888
Bailey, C L 029053
Bailey, D L 028060, 028070
Bailey, E M Jr 023666
Bailey, L 029750
Bailey, N E 029720
Bailey, R W 022519
Bailleul, B 022585
Baillon, P 026914
Bain, O 029278
Bains, G S 022774
Baintner, K 023797
Bairamova, M E 030492
Baird, D T 023995, 024122
Baitsch, B 030692
Bajaj, Y P S 027040
Bajer, A 026031
Bajpai, P N 027183
Bajpal, B 027947
Bajpal, K K 027947
Bakel, J T 022591
Baker, C H 027055
Baker, C M A 023406
Baker, D E 030522
Baker, D G 030709
Baker, D H 023765
Baker, E A 027208, 027240
Baker, E M 022028, 022039
Baker, G J 024834
Baker, H 022003
Baker, J E 028968
Baker, J M 024904
Baker, M 021733
Baker, N F 024582
Baker, R 030192
Baker, R D 023986
Baker, R L 022695, 023619, 024186
Baker, R V 022812, 022838
Baker, S H 027410
Baker, S J 023356
Bakhareva, S N 027516
Bakr, M A 028071
Bakulov, I 024645
Balachandran, K 023104
Balaian, L N 030677
Balakrishnan, K A 028354
Balakrishnan, N P 025704
Balaprakasam, R A 024568
Balasubrahmanyam, V R 027696
Balasubramaniam, A S 030361
Balasundaram, C S 022109
Balazs, D 028970, 028997, 028998
Balboni, G 023394
Balbule, V D 023811
Balcarova, J 024523
Baldwin, B A 023248
Baldwin, E D 021638
Baldwin, K F 029029, 029056, 029968
Baliasnikova, T I 030744
Baliddawa, C W 028799
Baligar, V C 025936
Balintfy, J L 022263
Ball, A G 021173
Balla, J 029997, 030172
Ballan-Dufrancais, C 029433
Ballard, E D 027343
Ballarini, G 024708, 024709, 024710, 024901, 024990
Ballay, D 030848
Ballmer, G R 028733
Ballo, G 025283
Ballou, C E 026197
Balment, R J 023520
Balnave, D 023341
Balneaves, J M 028532
Balobina, A A 022772
Balogh, K 022899
Balthazart, J 023235
Baluev, V 030068
Bamforth, S S 025910
Bammi, R K 027180
Ban, Y 026523
Bancher, E 022873
Bandel, V A 030414
Bandlow, W 026090
Bandoni, R J 025903, 026450
Bandow, G T 023458
Bandyopadhyay, S K 024073, 024074
Bandyukova, V A 026469
Banerjee, A B 026806
Banerjee, A K 030218
Banerjee, B 029375
Banerjee, N C 024317
Banerjee, S K 022042, 026730
Banerjee, S P 030217
Banerjee, U 022108
Bangerth, F 027087, 028297
Banihashemi, Z 028064
Banin, A 030344
Bankier, E 027959
Ban'kovskaya, B M 030981
Ban'kovskii, A I 026466, 026489
Banks, R W 023548
Banks, V J 021074
Banner, R E 027525
Bannister, L H 023522
Bano, I 025186
Bantzer, P 023676
Banzon, J 022783
Barabash, G I 027570
Barabash, M S 021817
Barakaev, M B 030677
Barakat, R 026945
Baraldi, D 022909
Bar-Annan, R 023121
Baranov, A I 025200
Baranov, O K 024220
Baranowski, R M 028859, 029359
Baranski, M J 026069
Baranyi, J 021271
Barash, I 027023
Baraud, J 029549
Barb, C R 024224
Barbano, D M 023815
Barbaro, A 026878
Barber, D L 024313
Barber, D M L 024912
Barber, G A 026756
Barber, L R 028938
Barbosa, T 021628
Barbotin, F 029443
Barbour, M G 026373
Barcia Bermudez, A H 021687
Bard, J B L 023499
Bardin, I S 021454
Bardyshev, I I 025299, 025342
Barella, A 022768, 022769, 022770
Barer, N B 027429
Bares, I 026307
Baribo, L 023080
Barichello, R R 021183
Baril, G 024009
Barilko, L 027212
Barishak, Y R 024819
Bariteau, F 024009
Barja, I 022077
Bark, K S 024688
Barkaeva, E YU 026509
Barkai, A 023214
Barkai-Golan, R 022901
Barker, D 023548
Barko, M N 022825
Barlow, B A 026128
Barnard, J 021140
Barnes, E M 023424
Barnes, M J 022035
Barnes, M M 028817
Barnes, R D 029440
Barnes, R H 024880
Barness, L A 022040, 022044
Barnett, A P 030604
Barnett, J R 025464
Barnett, T 021277
Barnola, P 026706
Barnwal, A K 023432
Barollier, J P 022383
Baron, R L 029126
Baron, V A 030753
Barondes, S H 026410
Baroody, R A 023217
Barquet, A 029081
Barr, J G 023046
Barr, W 021488
Barra, J A 029472
Barre, P 021778
Barreau, C 028247
Barreiro, O L C de 027007
Barrentine, B F 024945
Barrera Oro, J G 024527
Barrett, J N 024914
Barrett, J R Jr 021090
Barrett, P J 025760
Barron, M B 026547
Barros, N F de 025013
Barroso, J T 026362
Barrow, K D 026846
Barrow, P M 029004
Barry, T N 023826
Bartels, J 025110
Barth, F G 029398
Barth, H 023323
Barth, R 024800
Barthlott, W 025723, 025724, 025957
Bartley, J P 026688
Bartok, J W Jr 030021, 030022
Barton, I L 025151
Barton, R A 023833
Bartonicek, V 027849
Bartos, P 027937
Bartoska, J 028592
Bartov, I 023715
Barykina, R P 026038
Barylava, N H 030557
Barz, W 026577
Bas, C 025762
Basalkevich, E D 023946
Basanta, 026133
Bascoul, J 027331
Baseman, J B 023493
Baser, M 021726
Basey, K 026724
Basile, R 029305, 029308
Baskett, T S 030944
Baskin, C C 025676, 025809
Baskin, J M 025676, 025809
Basov, V N 025302
Bass, J J 022695
Bass, M H 028662
Bass, R T 026970
Bassham, J A 023401
Bassir, O 022933
Bassiri, A 026973
Bastelaere, G R van 023054
Bastidas R, G 027757
Basu, N C 027759
Bataglia, O C 026526
Batalova, T S 028119
Batanouny, K H 025608
Bateman, M A 026639
Bates, C J 022020
Bates, D J 023280
Bates, D W 029953
Bates, E 028340
Bates, E M comp 030362
Bates, J W 026694
Bates, R C 023400
Bathke, K 022868
Batista, C M 022815
Batora, B 030003
Batsei, S I 027856
Batson, W T 025670
Battaglia, A M 024165
Battistelli, E 021159
Baudry, J C 024355
Baudry-Partiaoglou, N 029279
Bauer, A 030640
Bauer, D 021381
Bauer, H J 025899
Bauer, K 024798
Bauereisen, E 023610
Bauerova, O 026527
Baum, B R 025658, 026106, 026241
Bauman, D 028076
Bauman, D E 023448
Baumann, G 026909
Baumann, H 023393
Baumann, R W 029699
Baumel, C P 021573
Baumer, J 024795
Baumgartener, L E 024468
Bauminger, S 024135
Baur, E 022722
Bautz, E K F 029350
Baverstock, P R 023379
Bawa, S R 029811
Baxi, K K 024558
Baxter, L W 028067
Baxter, L W Jr 027894
Baxter, S W D 030150
Baytop, T 025732
Bazan, E 022978
Bazanova, T B 026972
Bazhenov, K M 023001
Be tkhi Tkhuan, 026495
Beadle, R 024852
Beadles, M L 029028
Beakbane, A B 027195
Beal, W E 024194
Beard, C W 024446
Beard, J B 027104
Bearden, A J 026409
Beardsley, G L 024088
Beasley, J N 028495
Beasley, W 021092
Beaton, G H 022040
Beauchamp, E G 030822
Beaumont, H M 024119
Beavers, J B 028858
Bechet, L R 022532
Bech-Hansen, N T 026125
Beck, A M 024294
Beck, C C 024390
Beck, G 021847, 024727
Beck, H 023734
Beck, R E 021682
Becker, A 023731
Becker, B A 023256
Becker, C 021193
Becker, C C 022795
Becker, G 028963
Becker, H 021152
Becker, I 024463
Becker, J L 029273
Becker, V E 026427
Beckman, David L 022100
Beckwith, R S 030440
Bedford, G O 029394
Bedi, G S 023436, 023437
Bednarczyk, A A 022419
Bednarova, E 027058
Bedwani, J R 023328
Beeftink, F 026795
Beegle, W F 023484
Beek, C G E M van 026832
Beer, S 026793
Beerwinkle, K R 029241
Beeson, W M 023738
Beever, D E 023779
Beever, D J 027901
Beever, R E 028080
Beevor, P S 029412
Beglinger, R 024902
Begov, P 029603
Begue, P 024405
Beh, K J 024431
Behan, M J 026792
Behera, C 021109
Behera, J 024949
Behnke, H D 025664, 026449
Behr, E A 025477
Beidler, E J 028671
Beijersbergen, J C M 027882
Beirne, B P 029011, 029282, 030434
Beisland, A 027638
Bekaert, H 023912
Bekk, E G 028110
Bekker, Z E 026869, 028026
Bekku, I 028125
Beksultanov, S Z 028805
Belanger, R P 025259
Belavady, B 022106
Beleau, M H 022434
Belen'kii, IU IU 025412
Belenko, G T 025119
Beletskii, YU D 026286
Belew, M 027172
Beliaeva, N S 026186, 026617
Beliakov, I I 026256, 027574
Beliashina, M 027791
Belichenko, YU P 030984
Belien, J M 028512
Beliles, R P 025001
Belin, J M 026117
Belitz, H D 022553
Belkin, J N 029634
Belkin, S 027013
Bell, C 023335
Bell, H B 029141
Bell, J M 021785
Bell, M C 024966
Bell, P 024502
Bell, P D 023200
Bell, R E 021557, 021568
Bell, R G 030950
Bell, W J 029411
Bellanato, J 022881
Bellani, L 024748
Belleghem, M van 021964
Bellemere, A 026041
Belloni, F L 023472
Bellve, A R 024064
Belogurov, N I 025440
Belokrys, B 029939
Belous'ko, IA K 021455
Belousov, V S 030542
Belov, V I 025438
Belov, V P 025323
Bel'skaia, G S 029602
Bel'skaia, S I 028017
Bel'ski, B B 030557
Beltran, L E 024741
Belyaev, D K 024220
Benada, J 028448, 028593
Benard, P 024898
Benary, F 024804
Ben-Asher, J 030386
Benazzi, M 025667
Bencivenga, B 021896
Bencsath, P 023405
Bencze, K 021981
Bende, E 021851
Bender, L D 021151
Bendixen, L E 028613
Bendtsen, B A 025530
Benedek, P 029184
Benedetti, S K 021095, 021097
Benedict, R C 022665
Benerito, R R 022777
Ben-Gal, O 027959
Bengtsson, N E 022656
Benitez, T 026375, 026382
Benjamin, D M 028921
Benjamin, R 027751
Benjamin, R W 023751
Benjamini, E 024530
Benmansour, N 029535
Bennedick, R W 024988
Bennett, A H 028073
Bennett, D 024977
Bennett, J W 023609, 026187
Bennett, R G 024178
Bennett, T 023381
Benninger, D 029945
Bennoun, P 026632
Benny, G L 025991
Beno, I 022166
Benozzati, M L 029308
Bensadoun, R 023349
Benson, V W 021426
Benson, W 030945
Benton, Margaret 022331
Benveniste, P 027035
Benz, G 028936
Beradze, L A 028098
Beraquet, N J 021853
Beratis, N G 022206
Berberet, R C 028736
Bercini, R 030475
Berdanier, C D 021998
Berdel, R L 029819
Berdyev, A 029390
Berdymuradov, R 026036
Berdyshev, G D 024060
Bereczki, L 021272
Beresford, P J 026725, 026728
Berestetskii, O A 028013
Beretta, C 028585
Beretta, G 022658
Berezhnyi, V V 030163
Berezin, I V 027167
Berezin, V 023309
Berezin, V P 030165
Berezovskaya, T P 026471, 026491, 026936
Berg, C J van den 023286, 023289
Berg, H W 022876
Berg, O 029174
Berg, S P 027191
Bergan, J G 022131
Berge, H 021841, 029082
Bergelin, I S S 023449
Bergen, W G 023757
Bergendahl, C J 025491
Berger, G 025374
Berger, G B 023639
Bergere, J L 022599
Bergh, S G van den 023589
Bergman, B H H 027881
Bergman, E N 023208, 023225
Bergman, H L 029155
Bergman, K 026199
Bergman, R 027157
Bergmann, E P 030873
Bergmann, V 021840
Bergner-Lang, B 022893
Bergseth, H 030341
Beridze, G I 022995
Beridze, P Z 027161

Berisford, Y C 029213
Berkaloff, C 026774
Berkel, N van 028299
Berkman, Jerome 022258
Berlinski, Pete 022335
Berlinski, Peter 022292, 022339
Berlocher, S 028841
Berlyn, M B 027027
Bernard, F 029378
Bernardini, E 022819
Bernardini, M 022819
Berndt, P 029506
Berne, C 023292, 023293
Bernetti, G 025104
Bernhard, R 028182
Bernhardt, K 030173
Bernier, G 026865
Beroza, M 028649, 028664, 028722, 028728, 028932, 029824
Berry, B W 021961, 022701
Berry, I L 029241
Berry, J W 022495, 023526
Berry, R L 029532
Bershtein, B I 026138
Bertelsmann, K F 024797
Berthe, J 024353
Berthelon, M 024702
Berthelot, F 023989
Berthet, P 026046
Bertrand, A L 030639
Bertschi, R 021391
Bertuccioli, M 022979
Berutti, P A 025178
Beschinskii, A A 030656
Besnault, P 024681
Bessalyi, V G 025121
Bessonova, I A 026480, 026501
Best, R L 028637
Bester, B H 022639
Bethea, R M 030920
Bethlenfalvay, G 028456
Betina, V 026416
Betinova, M 026416
Bettany, J R 030821
Betters, D R 025071
Bettice, J A 023226
Bettin, L 024065
Betts, M 028548, 028549
Beuchat, L R 028039
Beusekom, C van 024372
Beveridge, A E 025148, 025155
Bewley, J D 026857, 027217
Beyer, M G 022849
Bezanger-Beauquesne, L 026783
Bezard, J 022144, 023989
Bezkorovainyi, N A 028632
Bezuevskii, I L 030676
Bezuglaya, N I 026467
Bezukhova, E P 027990
Bezuneh, T 027630
Bhakuni, D S 026840
Bhalla, K 021903
Bhalla, O P 028844
Bhamburkar, V R 023446
Bhan, S 027758
Bhangoo, M S 030420
Bhargava, A K 024850
Bhargava, D N 024544
Bhargava, P N 027762
Bhasin, N R 021396
Bhaskaram, C 022189
Bhat, P N 024074
Bhat, U K M 029013
Bhatia, B B 024562
Bhatia, I S 026985
Bhatnagar, D S 024072, 024080
Bhatnagar, S P 026695
Bhatnagar, V K 026889
Bhatt, P H 022588
Bhattacharya, A K 024548
Bhattacharyulu, Y 028993
Bhattacharyya, H M 024547
Bhattacharyya, N K 023442
Bhattacherjee, P 024472
Bhosrekar, M 024072
Bhowmik, K B D 024964
Bhullar, B S 027919, 030472
Bhullar, J S 027761
Bhunya, S P 024949
B'iadovskii, G S 028278
Biale, J B 027228
Bial'skii, L A 025410, 025440
Bianchi, M A 022658
Bianchi, U 029044
Bibrack, B 024804
Bickoff, E M 022775
Biddappa, C C 028543, 030297, 030299, 030306, 030325
Biddle, C N 023536
Biddle, G N 023537
Biden, R S 023015
Bielinska, K 023808
Bielinska, M 029441
Bielinski, K 023808
Bielski, B H J 022047
Biely, M I 027590
Bienfait, J M 023911
Bieniek, K 024933
Bieri, J G 022006
Bierkamper, G G 023255
Bierl, B A 028722, 028932
Bierschwal, C J 024857, 024858
Bierstedt, W 030459
Bietz, J A 026119
Bigelow, H E 025785
Bigelow, H E ed 025786
Bigham, M L 023701
Bigler, W J 024408
Bigler, W N 022038
Bigot, L 029255, 029627
Bik, R A 030397, 030405
Bikbulatova, T N 026481
Bilash, G D 029734, 029735
Bil'chenko, V I 024387
Bildering, N de 029872
Bilecka, A 028699
Biliuba, T S 025298
Billings, R F 028922
Billon, J 021966
Billore, S K 025921
Billot, J 026705, 027237
Bilmazes, C 023704
Bilous, H M 027560
Biltonen, R L 024462
Bimler, K H 024986
Binder, M 026002, 026214, 030154
Binder, W 022610
Bindra, O S 028862
Binevskaia, L I 022824
Bingham, E 030890
Bingham, J 030477
Bingham, R W 024427
Biran, I 027078
Bircak, A 024759
Birch, G G 022512
Bird, C D 025666
Bird, L 027442
Bird, S 021611
Birichevskii, M L 025413
Biriukov, S V 026251
Birkedal-Hansen, H 023484
Birmingham, A T 023322
Bisalputra, T 026820
Bisgaard, M 024458
Bishop, A B 030790
Bissell, M J 023401
Bissell, T L 029653
Bisset, G W 023336
Bisset, N G 026732
Biston, R 021859
Biswas, J C 024074
Biswas, T D 030309
Bitney, L L 021576
Bito, L Z 023217
Bito, M 022405
Bitsch, V 024396, 024397, 024398
Bittner, S 026708
Bitzer, M J 026943
Bizeau, C 026117
Bizzarri, R E 030934
Bjerknes, C 023214
Bjersing, L 024055
Bjorkbom, J C 025255
Black, A L 030710
Black, L M 029369
Black, R 021600
Black, W N 028346
Blackburn, B O 024450
Blackburn, W H 027566
Black-Cleworth, P 023372
Blackwell, W H Jr 025889
Blades, J 024781
Blagoderov, N V 028107
Blagoveshienskaya, O 024766
Blaha, R 027775
Blain, M 024893
Blair, D G 024169
Blair, Eulalia 022310, 022312
Blair, Eulalia C 022311
Blair, H S 025414
Blair, R 023710
Blake, M I 026928, 026929
Blake, R 023652
Blakemore, W F 024825
Blakley, R T 023295
Blalock, H G 024435
Blamire, J 026216
Blanc, F 029090
Blancheteau, M 029382
Blancou, J M 024644
Bland, P D 028533
Bland, R D 023460
Bland, S E 029822
Blank, A 026810
Blank, H G 022956, 022957
Blanke, R 029340
Blankenship, R 026809
Blanter, T V 029464
Blase, K E 021610
Blaskovicova, H 028223
Blatchford, R 021367
Blattna, J 023939
Blau, F M 023458
Blauch, D S 025891
Blaylock, B G 030885
Bleicher, D D 024925
Blendl, H M 030847
Blevins, R L 030201
Blickenstaff, C C 028830
Blinn, D W 026834
Blinn, R C 026974
Blinova, K F 026465, 026495
Blinova, V K 029317
Bliss, F A 027272
Blix, A S 023191
Blobel, G 023500, 023622
Blom, L 021832
Blommers, L 028645
Blond, G 022467
Bloom, P J 022421
Bloom, S R 023547, 023556
Bloomberg, M S 024930
Bluhm, T L 026418
Blum, M S 029809
Blum, W R 030077
Blumenthal, C 028322
Blythe, J L 028882, 028883
Board, P G 023238
Bobkova, L A 025094
Bobrovskii, S 029940
Boccardo, G 028284, 028285
Boch, R 029728, 029812
Bocharnikov, E V 025344
Bocharov, V F 024261
Bocharova, V I 024261
Bock, F de 027153
Bock, I R 029642
Bock, J H 026358
Bock, R 023358
Bock, W 025759
Bockelmann, I von 022370
Bockholt, A J 027457
Bocsa, I 026174
Bocskai, J 030623
Boddy, K 024107
Bode, W 023534, 023535
Bodian, J 026153
Bodot, P 029255
Bodria, L 029974
Bodson, M 026865
Boer, G F de 024425, 024428
Boerema, G H 028048
Boersma, L 021363, 026895, 027106
Boertje, G A 030397, 030405
Boettinger, C F 028332
Boffey, T B 026096
Bogacz, J 030837
Bogart, R 023638
Bogatkina, V F 026509
Bogdan, A 023176
Bogdanov, G A 021456
Bogdanova, E V 025298
Bogdanova, G 028142
Boger, P 026693
Boggess, S F 026789
Bogliolo, S 024214
Bogomolov, A M 027515
Bogomolov, B D 025331
Bogoroditskii, I I 030084
Bogossian, M 024405
Bohannon, M B 026666
Bohlken, D P 023295
Bohlmann, F 026462
Bohm, B A 026570, 026571
Bohm, H 028673
Bohm, K H 024807
Bohm, S 024273
Bohnke, E 026560
Bohovina, A V 027565
Boiarkina, G N 028913
Boiarskaia, R K 025314, 025411
Boiarskii, L G 023961
Boichenko, V A 026541, 026542
Boidron, J N 022915
Boies, E 027488
Boike, A H Jr 029047, 029049
Boiko, E S 022824
Boiko, G I 026262
Boiko, L I 022436
Boinghoff, O 029946
Boisvert, R N 030631
Bojtos, Z 026177
Bokhonova, M 028389
Bokhorst, D 027623
Bokhovkin, I M 025407
Bokowiecki, F K 027370
Bokshchanin, IU R 025439
Bokuchava, M A 022982
Boland, A R de 022773
Bolay, A 028087, 028092
Bold, H C 025821
Bolduc, J P 021135, 021320
Boldyrev, M I 028905
Boldyrev, M V 027522
Boldyrev, P G 025300
Boldyreva, E T 026263
Boldyriev, A I 030384
Bole, B 029834
Bolea, V 025226
Boles, C 024328, 024331
Bolikhovskii, V F 030285
Bolker, H I 025469
Boller, E F 028896
Boller, T 026380
Bollig, I 026863
Bolling, H 022753, 022762, 022802, 022807
Bollon, A P 026215
Bologna, M A 029592
Bolotina, L M 025335
Bolotina, O T 030774
Bol'shakov, A F 030283
Bolton, H T 028980
Bolton, J 028360, 030484
Bolton, J R 024868
Boman, H G 029373
Boman, I A 029373
Bomar, M T 022371, 022372
Bombace, M A 021877
Bomben, J L 022870
Bommer, D 027443
Bomsel, J L 027005
Bonadonna, T 023091
Bonamo, P M 025845
Bonaparte, E E N A 030409
Bond, A D 022024
Bond, D A 026190
Bond, T E 023167
Bondar, L M 026147
Bondarchuk, L 029844
Bondarchuk, P I 025432
Bondarenko, N F 030294
Bondartseva, M A 025745, 025748
Bondietti, E A 030885
Bone, J 024308
Bone, Q 021685
Boney, W A Jr 024449
Boning, J 024366
Bonjean, M C 021838
Bonn, W G 028148
Bonner, J T 026192
Bonnet, L 029462
Bonte, J 026700, 030946
Boodt, M de 030372, 030614
Bookwalter, G N 022782
Boon, J van der 027621, 028304, 030514
Boonsrirat, C 028578
Boontjes, J 027625, 028298
Booren, A 022703
Booth, R S 025893
Bor, J 025930
Borbely, G 026773
Borchert, K L 029943
Bordakh, O D 027314
Bordereau, C 029385
Bordeu S, E 028095
Bordoni, A 029687
Borensztajn, J 021992
Borges, J M 022416, 022976
Borisoglebskaia, M S 028463
Borison, H L 023473
Borisov, G N 027435
Borisov, M I 026472
Borisov, V 030486
Borisova, I I 021971
Borisovic, T M 030277
Borkovec, A B 024118
Borlaug, N E 021756
Borneman, P 021713
Bornemann, P 021951
Bornstein, M H 025837
Bornstein, P 023299
Bornstein, S 023715
Borochov, A 022902
Borody, H 030096
Boromenskii, V 030064
Borona, V P 028630
Borovsky, D 027171
Borsa, B 030094
Borth, H 025719
Bortoff, A 023227
Borukaev, R M 027572
Boruvka, O 029898
Boryaev, K I 026466
Borys, B 027095
Bosc, M 024051
Bose, S 027759
Boss, Donna 022355
Bostedt, H 024230
Bosyi, M A 030163
Botel, W 021867
Botkin, D B 025860
Botoseneanu, L 027288
Botschantzev, V 025736
Botting, H G 023540
Botton, B 025970
Botvinick, E H 023467
Bouaine, M 021307
Bouchet, A 024644
Boudet, A 026399
Boudreau, J C 023370
Boudru, I 021964
Bougourd, S M 026129
Bouillant, M L 026569, 026764
Bouinot, D 026921
Bouma, J C 021587
Bouniols, A 026915, 027152
Bounous, G 027711
Bouquet, A 026785, 026786
Bourgeois, C F 022225
Bourgeois, J M 023263
Bourges, H 022081
Bourgin, J P 026799
Bourinot, L M 029240
Bourne, M C 022783
Bournier, A 029628
Bourrelly, P 026051
Bourrillon, R 023274, 026438
Boursnell, J C 024115, 024129
Bouseman, J K 029481
Boutin, P 030850
Bouton, P E 022683
Bouverot, P 023377
Bove, C 028247
Bove, J M 028247
Bowden, D M 023721
Bowden, H L 027713
Bowen, E R 022936
Bowen, R 028219
Bowers, A 028565
Bowers, B 026626
Bowers, J L 028332
Bowers, Jane A 022101
Bowes, G 028502
Bowes, G W 029108
Bowman, G E 029870
Boxberger, J 029908, 029917, 030846
Boxus, P 028186
Boyadgiev, St 024411
Boyazoglu, J G 024147
Boyce, S G 025253
Boyd, C E 026372
Boyd, K S 025943
Boyd, M 023906
Boyd, N D 029404
Boykin, J 023219
Boyt, W P 024753
Bozhko, M F 021343
Bozhukova, E E 026687
Braatz, R 021949
Brabender, M 022754
Brabrand, A 028650
Brackebusch, A P 025064
Brackett, C K 030923, 030924
Bradbury, J M 024460
Braddock, R J 022932
Bradley, E L 025081, 028933
Bradley, R L Jr 021917
Bradshaw, T I 028870
Bradway, K E 025501
Brady, P S 023891
Braga de Oliveira, A de 026742
Braga, J M 022815
Bragg, E R 021584
Braglia, N 023159
Bragoni, G 027090
Brahmappa, 026185
Braithwaite, A F 025792
Bram, R A 029024
Bramlett, D L 025259
Brammanis, L 028955
Branagan, D 024743
Branas, J 028428
Brand, A 023985
Brand, H D 030895
Brand, M R 025895
Brandi, R M 025013
Brandon, C E 025510
Brandsborg, M 024308
Brandsborg, O 024308
Brandt, A 030386
Brandt, A B 026543
Brandt, S A 026887
Brannon, Y S 021129
Braschler, C 021436
Braslavskaya, O YU 029446
Brassard, G R 025641
Braten, T 026060
Braun, J P 024898
Braun, J W 027270
Brauns, O 030969
Braunshtein, A E 023311
Bravdo, B 030662
Bravenboer, L 027879
Braverman, S W 028310
Bravo Ahuja, V 021121
Bray, C E 021505
Bray, D R 024596
Brazhunou, M A 030627
Brazilevskii, V IU 030599
Breckenridge, G 023317, 023318
Breder, C V 021913
Brederoo, A J 025720, 025721
Bredikhin, M A 025113
Bree, H van 024915
Breedlove, S E 021496
Breer, C 030572
Breeuwsma, A J 024731
Bregman, A A 029301
Brehm, B G 026831
Brehm, K P 021418
Breier, B 023504
Breighet, A 023751
Breitenlohner, C A 021667
Bremner, J P 021617
Brendel, W 023388
Breneman, W R 024943
Brenk, G van 027073
Brennan, G 030806
Brennan, M J 023462
Brent, G 021311
Bres, J de 021115
Bresters, T W 022423, 022424, 022425
Breton, J 027001
Bretschko, 029765
Brette, A 023854
Breuzet, M 029269
Brewbaker, J L 027053
Brewer, C W 025460
Brewer, F D 028706
Brewer, H B Jr 023489
Brewer, J W 029823
Brewer, R 030194
Brewer, R N 029969
Brewerton, H V 029146
Breyer, D 023029
Brezhnev, D D 025568
Brian, M V 029210, 029327
Brian, R C 028533
Brickey, P M Jr 021915
Bricout, F 024405
Bridger, J C 024477, 024658
Bridle, P 026582
Briend, M 024013, 024015
Brieskorn, C H 026731
Brieux, J A 023178
Briggs, J B 027072, 027086
Briggs, L H 026688
Brighton, C 025732
Bright-See, E 022034
Brignoli, P M 029595
Briles, W E 024057
Brilloit, J 022451
Brindani, F 024712
Brindley, D N 023277
Briner, H U 027368
Brink, L K 025032
Brinkman, G L 022178
Brinkmann, H 023358
Brinkmann, W 030032
Britikov, E A 027168
Britt, J H 023993
Britton, G 027242
Britton, R 023741
Broadbent, F E 030176, 030340
Broadbent, K P ed 021689
Broadley, K J 023334
Broberger, O 023180
Brock, W E 024465
Brockman, F E 029183
Brockman, R P 023208, 023225
Brockway, D 030856
Brockway, D L 026547
Brodauf, H 024362
Brodecky, V 023466
Broderick, H T 028320
Brodersen, G 030026, 030036
Brodie, H J 026068
Brodrick, H T 027892
Brogan, J C 030448
Bromberger-Barnea, B 023463
Bromhall, J D 024157
Bronner, F 022205
Bronnimann, A 027454
Bronsch, K 024232
Bronzetti, E 023240
Bronzino, J D 022073
Brook, P J 028034, 028080
Brooker, J D 023198
Brooks, C C 023859, 023865
Brooks, D J 030696
Brooks, M A 029370
Brooks, P 023805
Brooks, R R 030251, 030869
Brooks, W M 028747
Broome, J R 028646
Brophy, P J 023276
Brosemer, R W 029836
Broten, Paul R 022326, 022327
Brougham, R W 027397
Brower, J H 028969, 028978
Brown, A T 022187

Brown, A W A 029061
Brown, C J 023016, 024202
Brown, c R 024116
Brown, D 028040, 028041, 028042
Brown, D H 026694
Brown, E J 027812
Brown, F 024600, 024601, 024658, 024659
Brown, F M 029652
Brown, G M 029250
Brown, J A 021172
Brown, J F 028051
Brown, J L 025152
Brown, J N 023530
Brown, L C 026385
Brown, L N 024113
Brown, L O 024202
Brown, L R 021802
Brown, M D 023994, 024857
Brown, M E 021913
Brown, M F 025995
Brown, M H 027679, 027680
Brown, P F 021603
Brown, P T 022131
Brown, R E 030253
Brown, R G 028260
Brown, R K 024532
Brown, R T 026712
Brown, W 025362
Brown, W H 022927
Browne, K M 022879
Browne, R W 028818, 028819
Browning, G 026315, 026317
Browning, J A 028052
Brownlie, S 023247
Bruce, M E 024717
Bruckner, D 029742
Bruckner, F 029769
Bruckner, J 022525
Bruckner, K J 022546
Bruel, A M R van den 022584
Bruemmer, J H 022936
Brues, A M 024958
Brugere, H 024348
Brugger, M F 029866, 029867
Bruhn, J G 026753
Bruin, G C A 027926
Brumbaugh, P F 023621
Brum-Bousquet, M 026436
Brummer, J M 021892, 022803
Brum-Zorrilla, N 029309
Brunarska, Z 026338
Brunden, M N 024981
Brune, H 023953
Brune, W 022815
Brunet, E 029975
Brunetti, R G 029346
Brunkener, L 026838
Bruns, V F 028615
Bruns, W 023305
Brunswick, L 026992
Brunt, A A 028204, 028209
Brunt, L 021155
Brunton, R B 029089
Brusco, A 022659
Brusewitz, G H 022844
Brust, E 029845
Bruun, H H 025487, 025494
Bruycker, M de 024697
Bruyne, J J de 024368
Bryan, Frank L 022332
Bryan, R F 026636
Bryant, G D 024124
Bryant, M P 023427
Bryant, S H 023222
Bryner, W 022981
Brynolf, L 022208
Bublot, G 029972
Buchanan, G A 028621
Buchanan, R L Jr 021924
Buchanan, Robert D 022264, 022265, 022285
Buchbinder, B U 027262
Buckland, R B 023675
Bucklein, R 023388
Buczek, J 026337
Budovskii, B A 023001
Budowski, P 022926
Budzikiewicz, H 026762
Buehring, N 028620
Buescher, R W 028332
Bugakova, N V 028007
Bugarsky, A 023940
Buglos, J 026174
Buhles, W C 024574
Buining, A F H 025720, 025721
Buitrago, J 023755
Buivol, D 021398
Bukanova, V K 028028
Bukhbinder, A A 026837
Buksha, A 027784
Bukshtynov, A D 025045
Bukshtynov, V A 025036
Bula, R J 027041
Bulat, G F 021458
Bulatek, M 022821
Bull, W B 030207
Bulla, L A Jr 028660
Bullerman, L B 021925, 021927
Bulliere, D 029271
Bulliere, F 029271
Bullock, R C 028829
Bulochnikov, L I 029984
Bu'Lock, J D 026537
Bunce, K T 023555
Bundaru, L 024934
Bunemann, G 022864, 028413
Bunting, E S 026191
Burakaeva, B Kh 026946
Burch, D 025668
Burchenko, P N 030131, 030137, 030138, 030139
Burchill, R T 027901
Burchuladze, T E 030540
Burckhardt, I 021764, 021807, 023935
Burckhardt, K 021594
Burdick, C L 023494
Burdin, N A 025132
Burdon, J J 028294
Burdon, R D 025219, 025220
Burdsall, H H Jr 025765
Bureau, J M 027226
Bures, F 027449
Burfening, P J 023628
Burgan, R E 028450
Burgeff, H 029640
Burger, 024746, 025090
Burger, H C 029702
Burges, H D 029429
Burges, S J 030668
Burgess, G W 024476
Burgess, L M 025542, 027690
Burget, S 030128
Burgett, M 029722, 029756
Burgstaller, G 023732
Buriakov, IU P 027521
Bur'ian, N I 022986
Buriff, C R 028664
Burk, M C 022053
Burke, H R 028793
Burke, J J 027265
Burke, M J 027018
Burke, T 030934
Burke, V H 021471
Burke, W H 024038
Burkhardt, A E 022563
Burkhart, D 028340
Burlakov, A A 030293
Burlakova, E B 022214, 022218
Burley, Kenneth R 022097
Burnevskii, IU I 025124
Burney, B 029158, 030326
Burns, B 024097
Burns, E E 022931
Burns, I G 030229
Burns, J J 022032
Burns, J J ed 022045
Burnside, E B 024172
Burnside, O C 028622
Burova, V K 022993
Burr, H K 022925
Burr, R C 025486
Burrells, C 024422
Burridge, M J 024443
Burroughs, W 023758, 023763
Burse, V W 029104
Burska, O 022573
Burstell, H 026413, 026414
Burt, E C 029981
Burton, G 028778
Burton, J C 026888
Burton, J F 029315
Burton, R L 028769
Burton, W E 021253
Burton, W G 022879
Burwell, R E 025063
Burzynski, 025050
Busby, F 028595
Buschelberger, N 024363
Buschhuter, H 022169
Buschinger, A 029377
Bush, G L 028841, 029233
Bushby, H V A 026648
Bushkanets, S S 030589
Bushkovskaia, L M 028691
Bushliakova, N D 029796, 029798
Bushnell, R B 024226
Busi, R 021219
Businelli, M 026179
Buslig, B 022936
Busse, M 021984
Bussereau, F 024600
Bussiere, J 024009
Butaev, B Sh 030490
Butanavichius, B 026246
Butel, J C 027039
Butenko, R G 026540
Buthmann, H 024277
Butler, B E 030978
Butler, D 028218
Butler, F C 021127
Butler, G D Jr 027056, 029288
Butler, P J 023365
Butler, T 029280
Butler, W L 027136
Butler, W T 023484
Butt, B A 028152
Butterworth, B 030429
Buttery, P J 023048
Buttiker, W 024640, 024641
Buttner, J K 029346
Button, K S 026834
Butz, E L 025010
Buvanendran, V 023367
Buvenendran, V 022649
Buyser, J de 026919, 026920
Buyser, M L de 021966
Buyuktimkin, N 026770
Buzney, S M 023300
Buzzell, B L 023645
Bychkova, G S 026540
Byerly, C S 024749
Byers, B 026236
Byers, L D 026405
Bykov, L S 030781
Byra Reddy, H N 021113
Byrne, A O 021561, 021562, 021663
Byrnes, W R 028624
Byron, Byron 022259
Bystrova, V L 028807
Bytniewska, K 026332
Byvalova, T A 028007
Caballero Deloya, M 025153
Cabanes, J 026370
Cabassi, E 024712
Cabib, E 026196, 026626
Cabrejas, M 022134
Cade, J F 024520
Cade, W 029489
Cadena Santos, J 024529
Cade-Treyer, D 023359
Cadi Soussi, M 029535
Cadilhac, B 028225, 028226
Cadnapaphornchai, P 023219
Cafati K, C 026281
Cain, J 021588
Cain, J D 024945
Cain, J L 021585, 021591
Cain, R F 025657, 025805
Cairns, R R 030197
Cais, M 026841
Cajander, S 024055
Cakala, S 024933
Calcinardi, C 021898
Calderwood, H W 023470
Caldicott, A B 026719
Caldini, P 023462
Caley, J 024789
Cali, A 024613
Caligari, P D S 029484
Calisher, C H 024590
Call, J L 023457
Callaghan, J 025141
Callaham, M F 028646
Callahan, P S 029386
Callicott, R B 023247
Calnek, B W 024454
Calvarano, I 021881
Calvert, A 027615, 029879
Calvert, C C 023868
Calvert, D T 023465
Calvet, R 028605
Cambra, R 028168
Cambridge, M L 025871
Camburn, K E 025804
Camera, L 022980
Cameron, A L 029041
Cameron, E A 028944
Cameron, H R 028185
Cameron, P J 028924
Cammack, R 026392
Campan, M 029436
Campan, R 029447
Campan-Caragea, M 027339
Campbell, A I 028200
Campbell, C M 023145
Campbell, G D 029345
Campbell, J E 021905
Campbell, J H 024023
Campbell, L B 030823
Campbell, L C 026389
Campbell, L E 030148
Campbell, R J 021115
Campbell, R S F 024747
Campbell, T C 021918
Campello, J de P 026766, 027332
Campos, J P de 030519
Campos, R B de 022882
Canale, A 023924
Cancela da Fonseca, J P 030273
Cancino E, L 028095
Candler, W 021478
Canfield, T 023407
Canham, A E 027632
Cannell, M G R 026638
Canning, E U 029485
Cannon, C B 021502
Cannon, D 025901
Cannon, D J 023313
Canny, M J 027304
Canode, C L 027359
Canterford, R L 027122
Cantino, E C 025947, 026684
Cantino, P D 025814
Cantley, T C 024857, 024858
Cantoni, C 021897, 021898, 021899, 022658
Cantstetter, J 027451
Capek, J 021224
Capel, R E 021178
Capka, M 024383
Caplan, B A 024520
Capoor, S P 028250
Capper, B E 028557
Capriles, J M 029662
Capua, M 021879
Caputa, J 027370
Caputi, A Jr 027108
Caram, B 025972
Caranci, M A 030918
Carassus, P 029143
Card, C S 024307
Card, K A 026856
Cardasol, V 027500
Carde, R T 029417
Cardemil, E 026397
Cardenas G, E 026710
Cardin, L 028225
Cardinal, H 021174
Cardinale, G J 022015
Cardona, R J 026361
Cardoso, H 029309
Carey, D I 030796
Carey, J K 025379
Cariello, G 027938
Carillon, R 029911, 029913
Carlgren, M 025499
Carlier, G 026703, 027153
Carlier, L A 023071
Carlin, A F 022232
Carlisle, G R 023765
Carlson, J R 024883
Carlson, L 030892
Carlson, R W 022028
Carlstrom, A A 029132
Carlton, R L 028336, 028411
Carmack, M 024943
Carmona, P 022881
Caroi, M 026798
Carola, C 022817, 022818
Carolin, R C 025956
Carolin, V M 028962
Carothers, Z B 026064
Carpenter, J A Jr 022701
Carpenter, K J 023063
Carpenter, P L 027155
Carpenter, Z L 022677
Carr, C E 030369
Carr, J 021197
Carr, J B 024197
Carr, J C 030726
Carr, J R 021784
Carr, K 023583
Carr, W R 024128
Carrasco, L 024952
Carrayol, E 027004
Carre, M 022063
Carreno I, I 028095
Carrier, G O 023254
Carrillo Ll, R 028702
Carrillo M, M 021833
Carrion M, L 021833
Carroll, F D 022667
Carroll, R C 023477
Carrozza, J H 024441
Carson, Joan C 021980
Carta, P 024015
Carta, R 024015
Carter, A H 022695, 023619, 024186
Carter, G R 024780
Carter, J A 025507
Carter, J C 028439
Carter, O G 028333
Carter, W G 026403
Carton, Y 029267
Cartwright, B 024600
Cartwright, J 027890
Cartwright, R W 021482
Carvell, J E 024339
Casali, V W D 030519
Casalis, J 029079
Casartelli, C 029308
Case, J F 029295
Case, R 030901
Caselli, R 023934
Casida, L E 024093
Casida, L E Jr 030189
Caslavka, J 024382
Casper, R 028167, 028195
Cassagnau, P 029462
Cassel, D K 030640
Cassens, R G 022678
Cassidy, D R 024450
Cassola, F 029631
Castano Quintero, M 023154
Castelain, C 028187
Castellanos Jarguin, S 025153
Castelli, G 024457
Castello, H 023178
Castillo, J del 029435
Castles, J J 023384
Castro-Tavares, J 023260
Castroviejo, M 026998
Castrucci, A M de L 029254
Casu, S 024015
Catalano, A 023929
Catalano, M 027289
Cate, A R T 022034
Caten, C M 026201
Cates, D M 022839
Cathey, H M 027689, 027755, 030148
Cattabiani, F 024712
Cattaneo, P 021898
Caubergs, R 027221
Cavazza, G 021688
Cave, A 026745
Cavia, E 026907
Cawley, A J 024296
Cayouette, P 024707
Cayton, H R 024752
Cazes, J P 023869
Cazieus, A 024352
Cazieux, A 024898
Cebra, J J 024462
Ceccarelli, N 027090
Celerier, B 024066
Celis, M J 029675, 029710
Cenedella, R J 023255
Centala, M M 029010
Cepede, M 021779
Cepelka, Z 024921
Cerna, J 023939
Cerny, L J 028382
Cerny, V 025926, 030548
Cesar, R L 025077
Cestari, A N 029307
Ceuca, G 025230
Chaban, L 030064
Chabaud, A G 029278
Chachamovitz, N 024699
Chacko, K 023384
Chacko, M J 028661
Chadha, K L 027179, 027760
Chadwick, R W 023241
Chaffee, A 024852
Chaffee, V W 024782, 024926
Chagovets, R V 022217
Chai, C K 023237
Chaika, V G 027523
Chailakhyan, M Kh 026949, 026950
Chain, R K 027281
Chain, Sir E B 022465
Chakaraborty, P K 024095
Chakrabarti, B 028985
Chakrabarti, C H 022108
Chakrabarti, K 026530
Chakraborti, S 024045
Chakraborty, S 024557
Chakravarti, S P 030456
Chalfant, R B 028753
Chalmers, D J 027119, 027122
Chalmers, T C 022014
Chalov, N V 025313
Chalyk, T S 026138
Chamberlain, W F 029028
Chamberland, E 030436
Chambers, D L 028869, 028870, 028873
Chambers, J 028194
Chambers, S C 027869, 027870
Chambeyron, J J 024013
Chambon, M 023352
Chamley, W A 024124
Champagnat, P 026706
Champeau, H C 021528
Champney, W O 021214
Chamukha, M D 030168
Chan, G F Q 026772
Chan, P C 022047
Chancellor, W J 030377
Chand, P 028843
Chand, S 030217
Chander, M S 027179, 027180
Chander, S 024558
Chandiramani, N K 024565
Chandler, D S 029706
Chandler, M T 029746
Chandler, W M Jr 022759
Chandna, I S 024850
Chandra, A 025425
Chandra, A K 026806
Chandra, S 026182, 026695, 028656
Chandra, S K 030203
Chandramani, R 022109
Chanez, M 022137
Chang, A A 021327
Chang, H M 025362
Chang, K S 022535
Chang, P L 029403
Chang, S C 030446
Chankarkeo, T 024674
Chanmamedov, K M 025371
Channana, Y R 027181
Chansigaud, J 029741
Chant, J L 022702
Chant, J L Jr 022668
Chanukvadze, A Sh 021150
Chanysheva, I S 026481
Chao, Y Y 025080
Chapchap, A 021630
Chaplin, C E 027754
Chapman, A B 024093
Chapman, G 024532
Chapman, H C 029059
Chapman, O L 028728
Chapman, S 030209
Chapman, V J 025900
Chapoutier, H 024355
Chappel, L R 024453
Chappuis, G 024683
Charalambides, A A 026712
Charalambous, G 022546
Charbonneau, C F 024968
Chargaff, E 029397
Charles, J P 027500
Charles, M 022384
Charles, O W 023081
Charles-Edwards, D A 027651
Charlesworth, R 021424
Charlet, M 029264
Charlton, P J 021428
Charmettant, 024947
Chase, L E 023616
Chase, R 029314
Chassy, Judy P 022087
Chatha, N 028867, 028868
Chatterjee, A 026729
Chatterjee, G C 022042
Chatterjee, I B 023243
Chatterjee, S N 029297
Chatterji, S M 028719
Chattrjee, A 024550
Chaturvedi, H C 027730
Chau, A S Y 029115
Chaud Netto, J 029781
Chaudhary, R 024078
Chaudhary, S P S 029370
Chaudhary, T N 026889
Chaudhri, r P 028993
Chaudhuri, K L 026133
Chaussat, R 026921
Chauvin, R 029376
Chavez, A 022081
Chavin, S I 023285
Cheadle, V I 025942
Chebotarev, I 027779
Checcucci, A 026685
Chechova, D 023309
Chee, S H 023644
Cheeke, P R 023802
Cheippe, R 024947
Chekalina, I N 026290
Chekalkin, K A 025392
Chekhovskii, I A 026263
Chekurov, V M 026144
Chelidze, T A 022982
Cheliukanov, M D 030070
Chelysheva, L P 028966
Chemm, V A 023083
Chemsak, J A 029644
Chen, A A T 021961
Chen, C 026328
Chen, C W 028923
Chen, H W 026326
Chen, K 026245
Chen, L C 026326
Chen, M 023751, 030938
Chen, M Y 025179
Chen, T C 022727
Chen, W F 030359
Chen, Y 030344
Chen, Y M 026043
Cheng, T W 027391
Chenkin, A F 028473
Chenoweth, P J 024476
Chenykaeva, E 026208, 027787
Cheong, S K 023881
Cherednichenko, I 027777
Cheremisinov, N A 030262
Cheremisov, B M 026264
Cherepanova, N P 026678
Cherniakhov, V B 030290
Chernick, V 024096

Chernikov, V 030067
Chernogaeva, G M 030751
Chernykh, V M 024269
Cherouvrier, A 025883, 029263
Cherry, J H 027274
Cherry, R H 028731
Cherry, Robert 022239
Cherzhentseva, M I 027576
Chesneau, J C 022811
Chesneaux, M T 026959
Chesnok, IU S 021816
Chet, I 026451
Chevaillier, P 029434
Chevalier, M 023352
Chevalier-Cholat, A M 023559
Cheville, N F 024456
Chevin, H 029538
Chevtaeva, V A 026538
Chew, W L 025791
Chhinnan, M S 030142
Chi, J C H 023498
Chiang, Y C 028405
Chiang, Y H 023068
Chiba, F 022744
Chiba, M 025417
Chiba, S 026884
Chichester, C O 022781
Chichester, F W 030529
Chicoine, R 024170
Chicoye, E 022543
Child, J J 027249, 030190
Childrey, M R 030818
Childs, C W 030269
Chilton, M D 028140
Chilton, W S 026752
Chilvers, G A 028294
Chimiklis, P E 026788
Chin, E H 030697
Chin, M Y 027926
Chin, W T 029110
Ching, T M 027032
Chinitz, B 021752
Chirikjian, J G 026628
Chisholm, T 030806
Chiu, J F 023488
Chizhik, R I 028478
Chizhov, O S 026430
Chkhartishvili, D S 021444
Chkheidze, T K 030618
Chladek, D W 024585
Cho, J H 021963, 022707
Cho, T H 021963, 022707
Chobotar, B 024788
Chochieva, M M 027321
Choi, B H 022533, 022533
Choi, C I 026242, 028791
Choi, C O 024689, 024691
Choi, C S 024696
Choi, E O 027826
Choi, H S 023422
Choi, K H 030115
Choi, S R 029855
Cholev, I P 025322
Chomdej, B 023200
Chong Yoon Joo, 029039
Chopanov, P 026616
Chopin, J 026569, 026764
Chopra, A K 022111
Chopra, S L 030233
Chorvathova, V 022166
Chou, C H 026325
Chou, F C H 024588
Choukidar, V V 021580
Chouteau, J 021838
Chow, H C 026620, 026621
Chow, M L 029330
Chowana, C 028083
Chowdaiah, B N 029036, 029482
Chowdary, Y B K 026009
Chowdhury, T M 024550
Chrappa, V 023794
Chrenek, J 022713
Christensen, E N 027108
Christensen, G N 024178
Christensen, J 028757
Christensen, J B 028730
Christensen, O V 027641
Christensen, P 030463
Christensen, P D 028454
Christensen, R A 021625, 021626
Christian, E 023630
Christiansen, K 029472
Christiansen, N 022080
Christias, C 026456
Christl, H Jr 024229
Christmann, M J 026959
Christopher, W J 024852
Christoulas, D G 030976
Chrost, R J 025854
Chrostowski, M 029954
Chrysant, S G 023257
Chu, C C 025275
Chua, N H 026632
Chubarova, I S 025277
Chudakov, M I 025328
Chuiko, A V 025300
Chumatova, Kh R 023956
Chumbalov, T K 026477, 026481, 026505
Chumikina, L V 027133
Chundurwar, R D 029316
Chung, E 023484
Chung, H S 021894
Chung, S B 024203, 024206
Chupeau, Y 026799
Chupin, D 024000, 024002
Chuprov, N P 025114
Church, R M 027203
Churkin, IU V 025341
Chuvashova, K K 026680
Cibulka, J 024758
Cillard, J 022196
Cimino, G 026563
Cimprich, R 024868
Cintron, C 023313
Cipolla, M 021898
Cirilli, G 023075
Cirloganiu, D 025480
Citharel, J 027309
Citharel, L 027309
Claeys, R R 024946
Clapperton, J F 021974
Clardy, J 026847
Clark, C 025633
Clark, C H 024195
Clark, E W 028933
Clark, J 023135
Clark, J A 029889
Clark, J H 023509
Clark, J R 024093
Clark, R G 022514
Clark, R V 027931
Clark, S B 022153
Clark, T B 029030
Clark, V R 021619
Clark, W E 028793
Clarke, A D 028034
Clarke, E J 027610, 027611
Clarke, J N 024178, 024186
Clarke, R P 021997
Clarke, Sir C 029477
Clarke, V J 023853
Clarkson, A R 024508
Claude, J R 029090
Claus, S 028638
Clausen, J 029174
Clauss, B 021982
Claypool, L L 030141
Clayton, J 025900
Cleave, T L 022093
Clegg, M D 027028
Clemencon, H 026040
Clemens, E T 023759
Clemente, G F 021877
Clepper, H 025009
Clerc, B 024349, 024350, 024888
Clifford, D R 028043
Clifford, P T P 027460, 030719
Clifford, W B 021129
Clinch, P G 021952
Clocksin, D 025142
Cloutier, C 028838, 029324
Clydesdale, F M 022939
Cmelik, S H W 023584
Coates, M E 023130
Cobb, B 024211
Cobb, B F III 021922
Cobb, P P 028662
Cochran, D G 028972, 029310
Cochran, R 029874
Cockbain, A J 028219
Cocke, M L 028067
Cocking, E C 026059
Cockshull, K E 027639
Cocozza Talia, M 027763
Code, C F 023210
Codomier, L 026855
Cody, E 029326
Cody, W J 028506
Coenen, J W E 022427
Coeur, A 021838
Coffey, B T 028570
Coffman, J R 024870
Coggin, D 029024
Cognie, Y 023982
Cohen, A 026635
Cohen, D B 030870
Cohen, J C 024763, 024768
Cohen, R 021101
Cohen, R J 026558
Cohn, E 028390
Cokele, K C 029885
Colas des Francs, H 022799
Colas, G 024007
Cole, E R 024033
Cole, G T 025976, 026000
Cole, N A 023454
Cole, R A 026775
Cole, R H 027504
Coleman, R V 022175
Colglazier, M L 024754
Colin, J 028275
Coll, J 025630
Colleau, J J 024013
Colless, J M 027866
Collett, R A 024310
Collier, S J 028875
Collins, D P 030428
Collins, F C 027526
Collins, H C 021663
Collins, J L 021921
Collins, J P 023385
Collins, M S 024420
Collins, N C 029320
Collins, O O 021790
Collins, R 027703
Collins, W E 029054
Collins, W J 026898
Collison, C H 029391
Collombon, J M 021125
Colman, B 026440
Colpacci, G 025234
Coltorti, E A 024790
Columbus, E P 022838
Colwell, W M 024441
Coman, B J 024792
Combs, G F Jr 023060
Combs, O B 027585
Come, D 027232
Comeau, A 028230, 029552
Commelin, D 024069
Common, R H 023356
Compton, L V 023111
Conard, V 026821
Conde, B 029679
Conert, H J 025817, 025818
Conesa, A P 026914
Conill, A 022796
Conklin, L R 021369, 021370
Conn, J S 021210
Connan, R M 024663
Connell, D W 021850
Connell, J 023852
Conner, G H 024780
Conner, W H 025739
Conney, A H 022032
Connolly, J 021389, 021390
Connor, D J 027305
Connor, J M 030967
Conover, S A M 026667, 026668
Conrad, G 030666
Conrad, H R 023950
Conrad, J M 021196
Consigli, R A 024575
Constabel, F 026111
Constantinides, S M 022918
Contandriopoulos, J 025611
Conti, M 028158, 028697
Contractor, D N 030818
Converse, R H 028167
Conway, E L 023335
Conway, M J 025146
Coode, M J E 025735
Cook, Carolyn B 022118
Cook, D A 023265
Cook, I F 026736, 029251
Cook, M E 027991
Cook, R 027898
Cook, R J 027975
Cook, R W 024775
Cook, S A 025167
Cook, S M 028219
Cooke, R J 027279
Cooley, A W 028490
Coon, Julius M 022125
Coon, R L 023464
Coop, I E 024179
Cooper, A J 029988
Cooper, B J 024872
Cooper, G W 024158
Cooper, H B H 030921
Cooper, J A 030883
Cooper, J E 023580, 024375, 024636
Cooper, M J 023981, 024012
Cooper, W J 029086
Cooper-Driver, G 026765
Cooperrider, T S 025674
Coors, J H 021854, 022545
Cope, Gene 022257
Copes, D L 025256
Coppock, C E 023766, 023816
Coppock, G E 027726
Corah, L R 023634
Corbel, M J 024474, 024479
Corbet, P S 029280
Corbin, V L 028894
Corcoran, M R 027273
Cordell, G A 026713
Cordiez, E 023911
Cordonnier, J M 021789
Cordonnier, R 022961
Cordova, F J 023064
Cordrey, T D 027840
Cords, G B 024390
Coria, M F 024449
Corke, C T 030822
Corlis, P L 024201
Cormier, M 022196
Cormis, L de 030946
Cornelius, J A 022789
Cornell, J A 029214
Corner, E J H 025789
Corner, J 029813
Cornilion, P 027612
Corona, E 025705
Correa, B S 028740
Correa, J 024475
Correale, S 029358
Corsano, S 026844
Corson, S R 025513
Cortazar Sagarminaga, R 027524
Corte-Baeten, K de 023678
Corteel, J M 024009
Corteel, M 023991
Cortel-Breeman, A M 025865
Cortes, M de 021218
Corvisier, M 026429
Coscia, A 021582
Cosentino, K 025816
Cosham, C E 022501
Cosma, E J 022670
Cosmatos, A 023504
Cosminsky, S 022076
Costa, A S 028828
Costa, M 029606
Costa, N D 023278
Costa, S O P da 026225
Costes, C 027004, 027598
Cota, J 022137
Cothran, W R 028730
Cotton, M H 025182
Cotton, R F 029869
Cottrell, T 022877
Cotty, J 024893
Couch, B V 023080
Couch, R 023474
Couderc, R 021306
Coulehan, J L 022051
Coulson, J R 028738
Coulston, F 029099, 029117, 030951
Coulter, W K 028962
Coupek, J 022551
Coursey, D G 022865
Coursier, H 023013
Courtney, A D 028486
Courtney, R H 022914
Courtot, D 024947
Cousineau, J G 024707
Coute, A 026051
Couteaux, M M 030187
Couto, F A A 030519
Covas, G 030585
Coviello, R L 028730
Cowan, C B Jr 028748
Coward, W A 022058
Cowling, E B 025362, 028416
Cox, B S 026226
Cox, E H 023619
Cox, G W 021698
Cox, J C 024638
Cox, J E 024835, 024916
Cox, K 021850
Cox, K M 021262
Cox, R H 023207, 029112
Cox, R J 025944
Cox, T I 028554, 029156
Coy, J F 022095
Cozad, G C 024540
Cozzoli, O 022818
Craciun, G 025228
Craddock, E M 029300
Craddock, W 021661
Craddock, W J 021171
Craft, E P 025536
Craig, D C 030251
Craig, D L 027724
Craig, T M 024719
Craigie, J S 026441
Cramer, C F 023474
Cramer, D A 022704, 023632, 023633
Cramer, F H 025795
Crane, E 029736, 029737
Crane, J C 027721
Crastes de Paulet, A 027331
Crawford, D J 025636
Crawford, D L 022500
Crawford, R D 024900
Creanor, J 026556
Creighton, C S 028753
Cremer, M C 025932
Cremers, H J W M 024733
Cremins, W J 021100
Crenshaw, W E 024718
Crespi, H L 026409
Crha, J 023669
Crie, J S 023223
Crimmins, Mary Beth 022242
Criner, P E 022115
Cripps, J E L 027766
Crisler, J P 021940
Cristescu, A 028995
Crocco, Stephanie 021885
Crocker, T F 027188
Crockett, M K Z 027672
Crocombe, R 021223
Croft, B A 028848
Croitorescu, L 022202
Crolet, J L 021865
Crompton, C W 028506
Cromroy, H L 029214, 029353, 029357
Cromwell, Cynthia 021882
Cronau, P F 024909
Cronin, D A 022514
Cropley, R 028185
Cropsey, L M 024042
Crosby, M R 025548
Croset, H 029535
Cross, B A 023519
Cross, Barbara 022121
Cross, F L Jr 030919
Cross, H R 022671, 022679
Cross, W H 029217
Crosse, J E 028131
Crossing, P R 021345
Crossley, D A Jr 029321
Crossley, J 024039
Crothers, J L Jr 021597
Crouch, G L 028952
Crouchman, M L 023585
Crouthamel, W G 023255
Crow, T R 025172
Crowe, J B 025222
Crowell, W A 024853
Crowhurst, R C 024327
Crowley, J 027406
Crowley, P H 029319
Crown, R W 021168
Crozier, G 029265
Crozier, J A Jr 028583
Cruhm, D G 028754
Cruickshank, G 023813
Cruickshank, R H 026648
Crump, D 028327
Cruz, F de la 022907
Cruz-Landim, C da 029780
Cseresnyes, G 022757
Cserhidy, A 030097
Cserjesi, A J 025381, 025465
Csermely, J 029955, 030099
Csernatony, E 021491
Csernel, C 022192
Cubit, D A 024940
Cucullu, A F 026187
Cucurachi, A 022980
Cuellar, J A 027465
Culberson, W L 025549
Cull-Candy, S G 029455
Cullimore, D R 028604
Culvenor, C C J 026384
Cumberland, B 025048
Cumberland, G L B 024183
Cummings, J H 021999
Cummings, Paul W 022277
Cummins, D G 026943
Cunfer, B M 028050
Cunha, J 022417
Cunningham, C J 024089
Cunningham, D J 029089
Cunningham, R T 028869, 028873
Cunnington, P G 024533
Cuppett, D G 025536
Curham, R C 021590
Curley, R L 026888
Curohit, S C 026824
Currence, H D 022842
Currie, J D 023156
Currier, W 027977
Curry, J 021388
Curry, J C 022931
Curry, R B 027055
Curson, B 024175
Curson, C M 030934
Cushman, H R 021141
Cutcliffe, J A 028346
Cuthbert, R A 028930
Cuthbertson, A 021957
Cutting, C L 022716
Cuzin-Roudy, J 029236
Cwik, M J 028586
Cysewski, S J 024960
Czarnecki, C M 024818
Czekus, G 021571
Czembor, H 026167
Czeratzki, W 030257, 030258
Czerkawski, J W 023317, 023318
Czerwieniec, H 030835
Czerwieniec, M 030835, 030843
Czubernat, S 030841
Daburon, E 024013
Dadabaev, IU 021285
Dadalauri, T G 025746
Dagorn, J 021292
Dahiya, S S 030238
Dahle, H K 023041, 023042
Daiber, K H 022508
Dailey, J C 029725
Dailey, R A 024093
Daineko, O P 027513
Daines, G J 022686, 022688
Dakshinamurti, C 030364
Dalal, R C 030476
Dalbey, W 030890
Dalborg, A 025485
D'Alecy, L G 023545
Dalen, H 023529
Dalgliesh, C E 021974
Dalingwater, J E 029035
Dalla Torre, G 021901, 022580
Dallai, R 029685
Dalley, J B 024852
Dalmasso, A 022527
Dalrymple, R H 022718
Dalske, H F 023259
Dalton, C 022197
Dalton, D C 024177
Dalton, S 029243, 029244
Daly, J M 027919, 027971
Dalzell, K W 022520
Dam, A 024415
Damagnez, J 030695
D'Amato, F 027277
Damaty, S 022791
Dambroth, M 027443
Dame, D A 029041
Damodaran, M 022188
Damodaran, S 024847
Damon, G Edward 022155
Dampney, R A L 023609
Danchenko, O I 030294
Danesch, E 026234
Danesch, O 026234
Daneshvar, H 028839
Dangarwala, R T 030243
Dangler, E W 030604
Daniel, C E 021076
Daniel, E E 023211
Daniel, P M 023177
Danielian, D O 022996
Daniels, J 026298, 026299
Daniels, L B 023694, 023932
Danielsen, S 022477
Danielsen, V 023792
Danil'chenko, N V 030681
Danilenko, I P 021988
Danilewicz, K 027886
Danilin, A K 025126
Danilin, M A 025397
Danner, D J 023476
Dansie, O 024304
Danskin, D 024743
Danusiavichene, P 025125
Danylevs'kyi, O P 027558, 030383
Daraseliia, N A 030375
Darby, W J 022040
Darchen, R 029740
Darchen, R J 029275
D'Arezzo, Carol M 022262
Dargie, J D 024617
Darii, G E 024260
Darr, P 030794
Darra, B L 027418
Darracq, J 030080, 030110
D'Arrezo, C M 021719
Darroch, R A 021309
Darrow, R A 027186
Darte, C 026393
Darwent, A L 028505
Das, D K 030364
Das, D R 023440
Das, G 026052
Das Gupta, P 024845
Das, M S 024962
Das, N C 021111
Das, S C 030301, 030302, 030313, 030320
Das, S K 024552
Das, V S R 026599, 026600
Dasgupta, D R 028404
Dashman, T 022032
Dasiuk, O P 024247
Dassonville, J 023663, 023664
Daterman, G E 028931
Datt, S C 024850
Datta, B 030301, 030308
Datta, N P 029140, 030312, 030324
Datta, P C 025933, 026530
Datta, S C 026426
Datta, S K 026530
Datunashvili, E N 022991, 022999
Daubenmire, R 025885
D'Aubert, S 021897
Daunicht, H J 029881
Daussant, J 027003
Dave, B K 023429
Davenport, C D 029048
Davenport, D C 027417
Daves, G D Jr 028931
Daves, T 021732
Davey, A W F 023729, 023831

David, B D 022433
David, B V 029557
David, H 028720
David, W A L 029337
Davidson, C R 024739
Davidson, J M 023299, 028620
Davidson, T P 024223
Davidson, W R 024608
Davies, A M C 022486, 027243
Davies, D D 026399
Davies, F G 024603
Davies, J A 023280
Davies, J E 029081
Davies, J N 027071
Davies, J W 028246
Davies, M E 027246
Davies, M K 027896
Davies, P 023552
Davies, P O L 026008
Davis, C E 021909
Davis, C L 023509
Davis, D C 027851
Davis, D F 025047
Davis, D G 028851
Davis, D I 024907
Davis, D R 029701, 030789
Davis, G H 024182
Davis, G R F 029428
Davis, H G 029830
Davis, J W 028748
Davis, L H 021625, 021626
Davis, M E 029113
Davis, R D 022402
Davis, R H 026085
Davis, S H 021513
Davis, S J 023386
Davis, S L 023630, 023634
Davis, T A 026048
Davis, T S 030114
Davis, W T 024597
Davison, M T 026026
Davison, T F 023376
Davlatov, B 027438
Davtyan, A R 028138
Davydkina, T A 025745
Davydova, G V 025398
Dawar, K K 027949
Dawson, A M 024422, 024756
Dawson, C R 022017
Dawson, J H 028612
Dawson, P L L 024917
Dawson, S V 023468
Day, C E 024813
Day, J W Jr 025739
Day, W C 024720
Daynes, P 024644
De Baere, R 023951
De Bertoldi, M 026201
De Boom, H P A 023562
De Datta, S K 030527
De Fremery, D 022775
De Garmo, P H 021075
De Giovanni, A M 023927, 023928
De Hertogh, A A 027074, 027587
De La Cruz, A A 022104
De la Roche, I A 026927
De La Rosa, H H 028739
De Moura, R M 028147
De Ritter, E 023040
De, S K 030317
De Silva, N S 026927
De Stefano, S 026563
De Vries, M P C 030440
De Weck, A L 024514
De Witt Burks, B 029547
De Zanche, C 030118
Dean, G 028713
Dean, H A 028872
Dean, P D G 027331
Deane, E M 026381
Deane, M 030886
Deb, D C 029541
Debackere, M 023678
Debano, L F 030366
DeBarr, G L 028938, 028959
Debbas, G 023261
Debevere, J 021964
Debor, H W 028321
Debouche, C 021246
Debruyne, H 023013
Debusk, A G 026407
DeCamp, M R 029108
Decau, J 026915, 027152
Decei, I 025161
Deckelbaum, L 023704
Decken, A von der 023190
Decker, A M 027396
Decker, G L 030333
DeCoursey, D G 030736
Deeley, R G 023491
Degani, I 024841
Degani, Y 026813
Degen, A A 023751
Degkwitz, E 022019
Degos, J C 022745
DeHaan, R L 023476
Deichmann, W B 024940
Deidda, M 027844
Deitch, J 028743
Dekanosidze, G E 026474
Dekker, C A 026810
Dekker, J 027963
Dekle, G W 028811
Del Fosse, E S 029353
Delage-Darchen, B 029740
Delagneau, J F 024682
DeLange, A M 026120
Delatour, P 024947
Delaunay, E 021166
Delavier, H J 022852, 022853
Delazari, I 022882
Delbos, C 022527
Delbos, R 028172
Delcourt, H R 025587
Delcourt, P A 025587
Deleu, V G 024260
Delgadillo M, C 025644
Delinkaris, N 024509
Delle Cave, L 029632
Delon, R 027924
Deltart, Garnett H 022332
DeLuca, H F 022159, 023270
DeMars, D J 025174
DeMartelaere, D E 030263
Demchenko, A G 021801
Demeczky, M 022758
Demes, Gy 030102
De-Millo, A P 028766
Demin, A P 030769
Demina, L I 027046
Demkin, P P 027509
Demling, R H 023460
Den, H 026977
Denamur, R 023532
Denayer, J 023911
Denburg, J L 029459
Dencker, L 023189
Deneke, F J 025192
Deneke, J 021846
Denes, L 021571
Dengler, N G 025985, 025986
Denis, 024947
Denis, M 025565
Denisova, A I 030777
Deniz, E 024324, 024864
Denman, K L 025863
Denning, D G 029645
Dennis, D J 027645
Dennis, D S 029219
Dennis, R D 029311
Dennis, R W G 025733
Dennis, W H Jr 029086
Dennison, J L 021913
Denoyer, C 022643
Dent, D D 025456
Denton, O A 027423
Deori, N C 025703
DePass, R 021683
Derache, R 023558
Derevets', I S 030158
Dergachev, K V 027513
Deriabin, V I 028761
Derieux, W T 024435
Deriev, A A 027853
Derkach, A 028524
Dermietzel, R 023361, 023362
Dermine, E 027742
Derminot, J 023348
Deroche, M E 027004
Derrig, R G 023509
Desai, H K 026633
Desaiah, D 029021
DeSantis, V P 023324
Descimon, H 029238
Descoins, C 029272
Desfleurs, M 022585
Desgrez, P 023176
Deshmukh, S N 024250
Deshpande, S N 022480
Desmaris, 024947
Desmazeaud, M J 022599
DeSmet, C 025552
Desmet-Paix, L 021964
Desmond, M E 026099
Desmukh, S K 026729
Dessewffy, B 030103
D'este, L 023240
Desvignes, J C 028175, 028178
Detroux, L 028512
Devadas, R P 022110, 022112
Devarajan, V S 025372
Devay, M 026908
Devendra, C 023163
Devide, Z 026033
Devillers-Thiery, A 023622
Devin, A B 026283
Devine, M M 022043
Devlin, R M 028492
Devos, A H 024459
Devriese, L A 024459
Dewar, J 023552
Dewbre, J 022887
Dewes, E 029505
Dewey, D W 023752
Dexheimer, J 025970
Dey-Hazra, A 024808
Dhablania, D C 024963
Dhaliwal, G S 028723
Dhaliwal, H S 029816
Dhamankar, V S 027184
Dhamija, J 021114
Dhanamitta, S 022000
Dhananjaya Rao, V 027394
Dhar, M L 026549
Dhar, S K 024963
Dharmalingam, V 027395
Dherbomez, M 022598
Dhesi, J S 026131
Dhillon, S S 024650
Dhindsa, K S 026906
Dhingra, L D 023433, 023967
Dhingra, S 028846
Dhouailly, D 023348, 023351
Di Giacomo, A 021881, 028857
Di Marino, L 021989
Di Toro, D M 025920, 026804
Diab, A M 026623
Diachenko, L IA 029983
D'iachkin, I I 021971
Diadechko, N P 028804, 028904, 028916
D'iakov, IU T 028031
Diallo, A M 023253
Dianova, T M 030379
Diaz Najera, A 029667
Dick, A T 023752
Dick, J 028431
Dick, M W 026378
Dickason, E A 028707
Dicke, E B 028975
Dickele, G 024352, 024898
Dickerson, B P 025527
Dickinson, C H 026979
Dickinson, E O 024883
Dickinson, F N 024031
Dickson, E 028279
Dickson, J H 025828
Dickson, M H 028874
DiCostanzo, S R 021547
Dieckert, J W 027121
Diego, A I de 024527
Diehl, J F 021895
Diehn, B 026661
Diekman, M A 024056
Dieleman-van Zaayen, A 028238
Diener, G H 028339
Dierick, W S H 023290
Dietl, W 021274, 027452
Dietrichs, H H 025363
Dietz, A 029724
Diez, M del C R 025795
Dijk, J E van 024803
Dijken, J P van 026377
Dijkhuizen, T 027628
Dijkstra, R G 024731, 024736
Diller, O D 025553
Dillon, O W Jr 023111, 030593
Dillon, W G 023579
Dils, R 023277
Dimick, M K 023539
Dimmick, R W 029141
Diner, N 030386
Dines, A M ed 029744
Dinesen, V A 022582
Dingle, J T 023503
DiPauli, R 024513
Dirks, H J 021521
Dirr, M A 025588
Diry, S 022745
Disch, W K A 021485
Diskin, Y 028518
Diuzhev, G A 027439
Dividek, J 022555
Dixit, A 023436, 023437
Dixon, G M 028424, 028785
Djahanschiri, H 023953
Djarrahbachi, A R 022618
Djavadi-Ohaniance, L 023483
DJillali, H 026914
D'Mello, J P F 023711
Dmitriev, N G 024271
Dmitriev, S V 025394
Doane, C C 029284
Doane, J F 029290
Dobbeler, P 025619
Dobberstein, B 023500
Dobias, A 026153
Dobias, J 026415
Dobie, J 025538
Dobie, J B 023077
Dobrin, P 023407
Dobrotvortseva, A V 027514
Dobrowolski, J 030839
Dobrowolski, J W 030878, 030882
Dobrynin, A V 028111
Dockalova, I 030410
Dodd, J D 028586
Dodson, V E 029205
Doeksen, G A 021073
Doel, T R 024600
Doersch, R 028483
Dogra, K K 026985
Dogra, P C 027181
Dohnal, J 027539
Doi, K 024630
Doi, Y 027969, 028224
Doidge, A L 021799
Doig, P A 024357
Doke, N 027972
Dolan, R 029365
Dolbeer, R A 028386
Dolberg, D S 023401
Dolezel, S 023174
Dolganenko, L G 027160
Dolgikh, S T 026285
Dolgushev, V A 026274
Doliagin, A B 028016
Dolken, G 023392
Doll, R 025761
Dolmans, M 022083
Dolzhenko, A P 025351
Domeki, I 024138
Domermuth, C H 024438
Dominguez, X A 026710
Dominione, C 021439, 022204
Doms, E K 023051
Domsch, K H 030211
Donaire, J P 027148
Donaldson, T H 023156
Donawick, W J 024332, 024869
Donchenko, G V 022222
Dondale, C D 029553
Done, S H 024304
Doney, J M 024087
Dong Wik Choi, 029039
Donnelly, D M X 026579, 027333, 027334
Donoghue, S 022201
Donovan, P A 022816
Doran, D G 030788
Doran, M F 023115
Dorchies, P 024704
Dorer, R E 029064
Dorgan, S F 029292
Dorling, M J 021183
Dormaar, J F 030198, 030437
Dornfeldt, K 029513
Dorozhkin, N A 028017, 028153
Dorr, I 027276
Dorst, H J M van 028183
Dorworth, C E 027916
Doscher, M S 024532
Doskoch, YA E 027165
Dossena, A 026561
Dosso, H 029255
Dostal, H C 027274
Doster, G L 024608
Douady, D 027236
Doube, B M 029022
Dougherty, W J 029099
Douglas, L A 030202
Dove, R F 029002
Dow, R L 027918
Dowden, A O 029245
Dowdy, R H 030371
Dowker, B D 026082
Dowley, L J 028058
Dowling, M H 023466
Downes, J D 028444
Downey, B R 023986
Downey, G A 023046
Downing, M 022028
Downton, W J A 027120
Doxey, D L 024912
Drabant, S 029996, 030000
Dracos, A 022625
Dragoni, I 021899
Dragunovich, V I 025402
Drake, B 022066
Drake, L E 028959
Dranik, L I 027160
Dranishchev, N I 027045
Draper, S R 026986
Drapron, R 022739
Drasar, J 027536
Drawert, F 021696, 022554, 022743, 023003
Drechsler, C 025583
Dreier, K H 023422
Drent, R 024035
Dresher, L K 024393
Dresser, D W 024519
Dressler, R L 025836, 025840, 025841
Dreux, P 024017
Drevon, C A 022170
Drews, E 022752, 022806
Driagina, L IA 028472
Driesprong, C 021729
Drochnev, IA G 025337
Drozd, G A 026467
Drozdov, V N 030130
Drozdovskaia, L S 028009, 028023
Drudge, J H 024610, 024611
Drumm, J 023496
Drummond, J F 022033
Druskina, E Z 025336
Druzhinin, I P 030764
Dryagina, I V 026217
Dryden, H E 027674
Drysdale, F R 026373
Drzal, M 025551
Du Mesnil du Buisson, F 024154
Du Toit, J E J 023691
Dua, R D 023436, 023437
Dua, S 026985
Duarte, F A M 029781
Dubay, M L 024252
Dubberstein, M 022019
Dube, H C 027944
Dube, P A 030643
Dube, V K 021112
Dubetz, S 030437
Dubey, G S 027942
Dubey, M P 023595
Dubois, J A 026230
Dubois, P 024150
Dubonosov, T S 026258
Dubrov, D 023541
Dubrovskaya, E S 029446
Dubuc-Lebreux, M A 027069
Ducet, G 025565
Duchaufour, P 030188
Duchesne, R M 029552
Ducho, P 030001
Duckett, K E 022761
Ducreux, G 026827
Dudarev, A D 025709
Dudhani, C M 027407
Dudin, S IA 022720
Dudinskii, YA A 026948
Dudits, D 026111
Dudiuk, D L 025133, 025390
Dudka, I A 026674
Dudka, IE L 028102
Dudkin, M S 023033
Dudko, V V 026471, 026491, 026936
Dudler, L 023608
Dudnik, L I 022436
Dudynets', F A 030562
Dueck, J 028136
Duesberg, P H 024671
Dufaure, J P 023352
Duffer, W R 030859
Duffus, J E 028264
Duffy, G G 025493
Duft, K D 022887
Dugan, P R 030874
Duganova, N V 026677
Dugdale, J 030975
Duglin, P 026105
Duhamel, B 021208
Duhan, S P S 026607
Duhme, F 025110
Duhoux, E 026045
Duijn, P van 023528
Duijndam, W A L 023528
Duineveld, T L J 027882
Duke, K M 029321
Duke, W B 029183
Dukelow, W R 023224, 024207, 024208, 024209
Dukhovnyi, V A 030676
Dukhovskii, A 021284
Duksin, IU P 023960
Dulberger, R 026159
Dull, R E T 021569
Dullforce, W M 027645
Dumanovskii, M A 025435
Dumont, I 026821
Dumont, J J 021307
Dumont, J P 021939
Dumont, M 023216
Dunbar, G A 023155
Dunbar, J 022068
Dunca, J 026879
Duncan, H E 028349
Duncan, J L 024511, 024617
Dundar, F 027910
Dundaroff, S 024423
Dunduk, I G 026253
Dunegan, L J 023469
Dunez, J 028172
Dunham, W R 026409
Dunlap, C E 022430
Dunlap, W J 030859
Dunn, C L 029177
Dunn, G D 022151
Dunn, J H 027103
Dunn, J R 029969
Dunn, P E 029202
Dunn, T G 023634, 024194, 024197
Dunning, J J 027721
Dunsterville, E 025597
Dunsterville, G C K 025597
Duperon, P 027235
Duperon, R 027235
Dupont, G 028247
Dupont, J A 024968
Dupont, M 024013
Dupont, S 025652
Duport, M 028995
Dupree, M 028742
Dupuis, B 024353
Dupuis, G 023389
Dupuis, H 021291
Dupuy, P 022880
Duran, A 026196
Durand, M 027232
Durando, F 023267
Duranton, H 026796
Durbaca, S 028995, 028996
Durbin, E G 026669
Durbin, P W 023419
Durbin, R D 028065
Durdyev, B D 023451
Durdyklychev, A 030228
Durieux, A J B 027588, 027625
Durinjan, R A 023175
Durion, N 026799
Durkin, D 021513
Durnin, J V G A 022001
Duron, M 027150
Durr, M 026380
Dusbabek, F 029527
Dusha, V I 025709
Duteurtre, B 022386
Dutka, B J 025799
Dutova, T A 026283
Dutson, T R 022677
Dutton, G J 023284
Duval, M 023216
Duve, J 022609
Duxbury, T 030209
Dvoracek, M 023160
Dvorak, J 026124
Dvorak, Z 023670
Dwaraknath, P K 023434
Dwarkanath, P K 023430
Dwarwazeh, H A 029023
Dwivedi, R S 030304
Dworek, R 030010
Dwoskin, P B 021493
Dwuma-Badu, D 026562, 026718
Dwuma-Budu, D 026711
Dwyer, D D 027525
Dyball, R E J 023518
Dyck, V A 029412
Dyer, I A 023080, 023719
Dyer, R G 023517
Dyer, R H 022923
Dylla, A S 030263
Dymnicki, E 024283
Dyrenkov, S A 025117
Dyrness, C T 025167
Dzadzamiia, T D 030375
Dzekov, S 025247
Dzenzelevskaia, M 027792
Dzhakeli, V E 027863
Dzhalilov, M Kh 030491
Dzhanbaeva, N R 026938
Dzhemukhadze, K M 030537
Dzhogan, L YA 030783
Dziadevich, I A 030679
Dzienia, S 030414
Dziewolski, J 025019
Dzimistarishvili, G B 027862
Dzimistarishvili, N B 028096
Dzistserla, V A 022715
Eades, S M 024474
Eakin, R T 026398
Early, S 021624
Eason, J 023906
Eason, R 027247
East, R 028776
Easterly, D G 021872
Easterly, N W 025887
Easton, G D 028060, 028070
Eaton, B T 024762, 029504
Eaton, H D 022201, 023643
Ebel, B H 028959
Eberhard, S 022051
Ebersold, W T 026195
Echandi, E 028147
Echaubard, M 029224
Echigo, T 022404
Eckel, H 023581
Eckenrode, C J 028874
Ecker, G A 021376
Eckert, K 026205
Eckhardt, G 026839
Eckroade, R J 024451
Eckstein, F 023305
Ede, D P 030665
Edelman, J 027280

Edenberg, H J 024022
Eder, A 022622
Eder, G 025280
Eder, N 023027
Edgar, J A 029476
Edgar, K F 026986
Edgington, L V 027926
Edman, J D 029008, 029038, 029326
Edmunds, L K 028315
Edqvist, S 023970
Edwards, A V 023547, 023556
Edwards, A W A 025907
Edwards, C 021683
Edwards, C A 029169, 030276
Edwards, G B 024916
Edwards, G E 026447, 026864
Edwards, G W 028882, 028883
Edwards, J H 026896
Edwards, L 025498
Edwards, L L 025513
Edwards, R A 021787, 022485, 022690
Edwards, W C 024300
Edwards, W M 029109
Eeckhout, R G 021964
Eeeckhout, W 023912
Eenaeme, C van 023911
Efans, K 028401
Efimtsev, E I 026541, 026542
Efremenko, V P 028476
Efremov, A I 025309
Efremova, G I 029496
Efremova, T G 028909
Egelhaaf, A 029506
Egeto, M 027655
Egger, A 029248
Eggum, B O 023792
Eglinton, G 026719
Egneus, H 027140
Egorov, V V 030292
Egorova, L N 028015
Eguchi, K 026100, 026101
Egyed, M N 024819, 024821
Ehara, Y 028245
Ehler, N 025957
Ehlig, C F 030642
Ehrendorfer, F 025793, 025848, 026232, 026234
Ehrendorfer, K 026234
Ehrenpfordt, V 027907
Ehrhardt, K 024729
Ehrlich, W 023201
Eichholz P, J 023090
Eichler, K 024510
Eickhorst, W 027693
Eidler, YA I 026494, 026497
Eifert, I J 025664, 026449
Eijk, G W van 026733
Eijk, J P van 026072
Eilat, A 024819, 024821
Eiler, Doyle A 022118
Einarsson, S 023969, 023970, 024275
Einhellig, F A 028491
Einsiedel, A A Jr 023387
Eisa, H M 027646
Eisel, M C 027731
Eiseley, L 029242
Eisenbeis, G 029445
Eisenberg, A 021875
Eisenberg, E 021742
Eisner, F F 021456, 024247
Eisner, G H 021194
Eisner, U 023541
Ejiri, H 026760
Ekholm, H 025163
Ekman, L 023687
Ekong, D E U 027325
el Baya, A W 022762
el Fahal, A 027590
el Halawani, M E 023382, 024038
el Khalifa, M D 028130
el Lozy, M 022005
el Mishad, A M 024437
el Nur, E E 028130
el Sohly, M A 026562
el-Awady, S 028688
Elbadry, E A 028895
Elbein, A D 026976
El'chibekova, L A 026505
Eldan, A 023121
Elden, T C 028850
el-Dessouki, S A 028688
Eldred, N R 025511
Elema, R J 022788
Elema, R K 027740
Elenkov, E 028529
el-Feraly, F S 026716
el-Fiky, A M 025608
Elgamal, M 026839
Elgin, S C R 024023
Eliadze, A D 026836
Elias, A N 022075
Eliazian, M 024637
Elinov, N P 024651, 026679
Elisberg, B L 024574
Elizarov, V P 027511
Elk, B C M van 027647
el-Kadi, M 027062
el-Khadem, M 028122
el-Kifl, A H 028688
Elkin, L 026802
Ellaby, S 029337
Ellen, J 030570
Ellestad-Sayed, J 022010
Elliott, D O 023864
Elliott, P B 025910
Ellis, D H 025996
Ellis, H C 028884
Ellis, J H 030201
Ellis, K W 022667
Ellis, L B 029209
Ellis, M A 028056
Ellis, R P 024088
Ellison, J R 026003
Ellory, J C 023279
Elmadfa, I 022167
Elmayergi, H 026641
Elprince, A M 030343
el-Refaei, S 028800
el-Refaei, S A 028801
el-Saadany, G 028800, 028801
el-Saidi, M T 027062
Elsas, L J 023476
el-Shaarawy, M F 028800, 028801
el-Sharkawy, T Y 023211
el-Sheikh, A H 024982
Elson, A 022730
Elson, M M 029611
el-Swaify, S A 030604
Ely, L O 023740
El'yashevich, E G 026467
Elzainy, T A 026624, 026867
Elze, K 024025, 024026, 024027
Elzinga, G 023549
Emechebe, A M 027878
Emel'ianov, E A 025434
Emery, R S 023764
Eminov, A 029600
Emmerich, A 022861
Empig, L T 026295
Emslie, V W 024753
Ende, B van den 027119
Enders, F 029204, 029206
Enderst, V 025523
Endo, H 027145
Endo, T 023597
Endress, P K 026421
Endrodi, S 029566
Enescu, A 028970, 028997, 028998
Enescu, V 025233
Eng, K S Jr 023737
Engel, G 021948
Engel, J J 025546, 025694
Engelhardt, W von 023380, 023724
Engler, Pamela P 022101
Englert, E 029851
Englert, H 024725
English, H 028059, 028062
Engroff, B W 028709
Eng-Tornqvist, A L 022208
Engvall, W L 024061
Enigk, K 024808
Enomoto, C 024786
Enomoto, N 026353
Enquist, R 025494
Enqvist, R 025487
Entin, A M 024264
Entrikin, R K 023222
Enzie, F D 024754
Epshtein, IA V 025318
Epstein, A N 023213
Epstein, D 022947
Erbach, D C 028616
Ercan, Z S 023594
Erdei, A 021070
Erdelyi, G 025524
Erdman, G G 025260
Erdman, H E 030650
Eremeev, A N 030980
Eremenko, E 027791
Eremenko, E V 030760
Eremiants, N M 028764
Eremin, V M 027320
Ergenoglu, F 027190
Ergesian, R A 026308
Erices, J 024026
Erickson, E H Jr 029810
Erickson, J P 023898
Erickson, L C 024058
Erickson, W E 024168
Eriksen, P O 024308
Eriksson, G 027340
Eriksson, K E 026550
Eristavi, L I 027159
Erk, I 029318
Erlinger, S 023216
Ermakov, N 027777
Ermakov, V V 022216, 023947
Ermakova, M F 026253
Ermolaeva, P E 030661
Ermolov, B V 025312
Erner, Y 028414
Erney, D R 021911
Ernst, A J 025486
Ernst, F 025026
Ernst, J V 024788
Ernst, L K 023961
Ernst, M D 022396
Erra, P 022660, 022661, 022767
Ershov, V S 028476
Erturk, E 024598, 024599, 024863, 024865, 024866, 024867
Erwin, T L 029700
Esartiia, M V 027864
Esashi, Y 026388
Eschle, J L 029028
Escueta, E E 022783
Esen, A 025585
Eshel, Y 028600
Esipov, A M 021349
Eslick, R 023868
Esmann, V 026363
Esnault, R 027170
Esparza, J 024424
Espinasse, J 024884
Esser, H O 023389
Esslemont, D 023106
Esson, M J 028782
Esterhuizen, E W 027892, 028129, 028320
Estes, J R 026835
Estler, M 030027
Estola, T 024400
Esvandzhiia, G A 027861
Et Al 021513, 023780, 027824, 028247
Ethington, R L 025530
Etienne, J 029268
Etkin, IA S 022720
Etlinger, J D 023492
Etten, J van 028645
Ettori, O S T 021631
Etzler, M E 026403
Eugster, A K 024722
Euler, R S 021727
Euler, U S von 023185
Euzeby, J 024491, 024492, 024493
Evans, A D 023143
Evans, A T 024334
Evans, C R 024918
Evans, D 027239, 027252
Evans, E S Jr 029048
Evans, H E 029243
Evans, J K 027349
Evans, J L 023536, 023537
Evans, K 028402, 028403
Evans, L S 025940
Evans, R A 023707
Evans, W E 026162
Evdokimov, A I 021305
Evdokimov, IU S 030168
Evdokimov, P D 030589
Even-Chen, Z 026708
Evenson, R E 021697
Everett, R W 024596
Everette, G A 026075
Everson, D O 023630
Evert, R F 025941
Eves, J D 029830
Evmenenko, A F 028029
Evreinov, V 022955
Evsikov, V I 024220
Evstigneev, E I 025301
Evstigneeva, Z G 027134
Ewen, A B 028815, 029198
Ewing, R B 024669
Eyme, J 025973
Eynard, I 027711
Eynard, M 026431
Eyre, P 023321
Eyster, G E 024334, 024852
Eytan, G D 023477
Eyuboglu, A K 025240
Eyvindson, R K 021477
Faber, H von 023686
Fabry, A 027057
Fadeev, IU N 028462
Fadeeva, O V 026477
Fafunso, M 022933
Fagan, S G 027894
Fagerstrom, L 025578
Fahmy, M H 023586
Fahmy, M S 025366
Fain, A 029521
Fain, M J 029253
Faingol'd, B D 025440
Fairchild, G F 021258
Fairchild, M L 028711
Faircloth, W R 025671
Fairclough, R J 024199
Faivre, P 030188
Faizyev, M 024579
Fakirov, V 025164
Faktor, G L 021305
Falaschini, A 021635
Falck, W E 027466, 027467, 027468, 027469, 027470, 027471, 027472
Falco, J W 026547, 030856
Falco, M J 024041
Fales, H M 028538
Falhun, J 028247
Falina, N N 026672
Falk, M C 022195
Falke, D 024423
Fal'kovich, IU E 022989
Falloon, R E 022694
Fallot, J 027146, 027234
Faludi-Daniel, A 027001
Fan, C L 029250
Fan, L T 022385
Fancovic, J 029893, 029991, 029994
Fankhauser, R 024714
Fanta, G F 025486
Fantalov, O S 026277
Faraji-Haremi, R 022485
Farcasiu, M 022202
Farghaly, H T 028687
Farinaro, E 021989
Farinha, F B N 029000
Farkas, G L 026773
Farkas, J 021393
Farkas, L 026581
Farlin, S D 023116
Farner, D S 023655
Farnsworth, N R 026713
Farnsworth, R J 024389, 024521, 024823
Farrar, D R 025673
Farrell, J P 024318
Farrell, P M 022006
Farries, E 023936
Farrow, W M 024593
Farzaliev, M M 021400
Fasko, J 023930
Fastner, S 024995
Fatzer, R 024714, 024715, 024716, 024903
Faugere, J G 023013
Faulkner, G 028262
Faure, J M 024016
Fausey, N R 030717
Faust, H 028436
Favati, L 026685
Favorov, A 027780
Favre-Bonvin, J 026764
Fawcett, D 028483
Fawusi, M O A 027206
Fay, B E Jr 022142
Faye, I 029373
Fayed, R 021615
Fazio, F M 027834
Fazl, F K 021130
Feder, H 024254
Fedorenko, I A 029600, 029602
Fedorov, A L 025334
Fedorov, B G 030770
Fedorova, G I 029317
Fedorova, L N 026673
Fedoseev, I A 030756
Fedotov, B T 030161
Feher, M 026908
Fehlhammer, H 023534
Fehringer, N V 029120
Fehse, R 023118
Feige, G B 026862
Feige, Y 021875
Feigus, E I 025353
Feillet, P 022740, 026110
Feinberg, J 022680
Feinberg, Mortimer R 022279, 022280
Feist, W C 025533
Fejes, J 024243
Fekete, E 029508
Feldberg, W 023336, 024612
Feldman, L J 025989
Feldman, R 021102
Feldman, S E 023539
Feldman, S L 030794
Feldt, L E 026805
Felfoldi, E M 027043
Feller, R 030146
Fender, K M 029646
Fenderson, C L 023757
Fengel, D 025365, 025492
Fenical, W 026563, 026843, 026847
Fenn, M G 021653
Fenn, P 028065
Fennell, J F M 026082
Fennema, O R 022678
Fenner, C 023384
Fenoaltea, S 021116
Fentem, P H 023322
Fenwick, H S 027941
Fenzel, H 030039
Feodosidi, F P 022992
Ferdinand, N V 025406
Ferens, B 030833
Ferguson, D C 028681
Ferguson, R B 027343
Ferguson, R L 025902
Ferguson, T L 029148
Ferguson, W L 021361
Fernandez, M E 022661
Fernandez-Cruz, A Jr 023206
Fernandez-Puentes, C 024952
Fernando, S T 024501
Fernando, W W H S 023368
Fernee, R 024505
Feron, J P 030881
Ferrando, G 024039
Ferrando, R 024897
Ferrao, J E M 022970
Ferrara, G 027257
Ferrari, N L 028216
Ferree, P J 021553, 021725
Ferreira, A 029304
Ferreira, F A 027911
Ferro-Luzzi, A 022001
Ferry, D M 030342
Fetuga, B L 023778
Feuerstein, H 027068
Feuilloley, P 022745
Feung, C S 026619
Feustel, G 024228
Fevre, J 024051
Fewson, D 024281, 024286, 024291
Feyerabend, G 028493
Ffolliott, P F 025066
Fiad, S 022808
Fick, G N 027357
Fick, G W 028703
Fiddian-Green, R G 023220
Fiddler, W 022680
Fiedler, J 030551
Field, A C 023749
Field, B C 021196
Field, J F B 030202
Field, R A 021960, 022702, 022703, 022706
Fielden, E D 024062
Fieldhouse, I B 030873
Fielding, A H 026042
Fields, G J 028816
Fields, M 024781
Fields, P A 022677
Figert, D M 022923
Fijalkowski, D 030838
Filatov, I P 026785
Filek, W 026874
Filin-Koldakov, B V 028024, 028107
Filip, S M 025173
Filipovic, M 024937
Filippov, B S 025331
Filippov, D 027781
Filippova, L M 029496
Filipski, R J 022197
Filkowa, B 025681
Filonenko, I I 030155
Filson, R B 025751, 025755, 025756, 025757
Finakov, G Z 026543
Findlay, G P 025946
Findlay, J D 023465
Findlay, N 025946
Fingleton, W A 021389
Fink, D H 030732
Finkenwirth, W 021385
Finkner, R E 027496
Finley, J C 025170
Finn, E A 030651
Finnegan, R J 028925
Finner, M F 030149
Firiulin, N S 023085
Firsenkov, A 027996
First, M W 030914
First, N L 024093
Firstenberg, R 022940
Firtel, R A 026149
Firth, A 025221
Firth, A R 022426
Fisch, J E 021318
Fischer, G H 023186
Fischer, G J 023386
Fischer, J H 030871
Fischer, K 030122, 030123
Fischer, L K 025096
Fischer, N H 026750
Fischer, P 026002, 026214
Fischer, R A 026439
Fischman, D A 023492
Fishback, W A 024856
Fishelson, L 021904
Fisher, B S 021469
Fisher, H 023602
Fisher, J B 028359
Fisher, J D 030923, 030924
Fisher, J F 022919
Fisher, J M 028400
Fisher, J R 028711
Fisher, kJ 030644
Fisher, L J 023020
Fisher, N M 027422
Fisher, N S 029095
Fisher, R W 026355
Fisher, T W 028501
Fishman, G M 022982
Fisiunov, A V 028631
Fitzgerald, E R 023314
Fitzgerald, G 029312
Fitzgerald, P R 024471
Fitzpatrick, D A 026611
Fitzpatrick, G F 023469
Fiussello, N 022376
Flagstad, A 024402
Flake, R H 025182
Flamant, J C 024015
Flannery, R 022477
Flannery, R L 021513
Flatau, N 030008
Flaujac, J de 027446
Flavell, T H 028959
Fleet, R R 028986
Fleisher, Z 028205
Fleming, G A 024839
Fleming, R A 030111
Flerov, B A 025207
Fletcher, B S 026639
Fletcher, H J 025646
fletcher, J T 028218
Fletcher, O J 024820
Fletcher, R F 027589, 027840
Fletcher, S M 021673
Fliege, H F 028156
Fligel'man, IA I 021287
Flink, J 022466, 022468
Flink, J M 022442, 022484, 022496
Flint, A P F 024105
Flint, H M 026952
Flint, J C E 025717
Flook, V A 030927
Florence, R G 030264
Flores, Z 023755
Flory, J Y 022378
Flowers, R A 028419
Fluckiger, E 022561
Fluhr, R 027011
Flynn, C 023932
Flynn, S B 023325
Foa, E 021742
Foda, M S 022617
Foerster, H 024938
Foissy, E 022603
Fojt, F III 027457
Fojtik, A 027550
Foldi, M 022084
Foldi-Borcsok, E 022084
Foley, A J 028546
Foley, T A 025463
Foliadova, Z I 025319
Folkers, K 023186
Folkow, B 023191
Follett, B K 023516
Follett, R F 026892
Follmann, G 025623, 025686
Folmer, J C 024016
Foltyn, J 026150
Fomenko, G N 021972
Fomenko, V 022955
Fomina, E L 024265
Fong, J C 026014
Fonnesbeck, P V 023860
Fonseca, J P C da 029192
Fonseca, J R 026661
Fonseca, S F 027332
Fontane, M 029625
Fontes, M R 029873
Foos, K 025544
Foote, R S 021907
Forbes, A G 028869
Forbes, W B 022073
Ford, A L 022676
Ford, J E 023705
Ford, S P 024089
Foreman, J K 021935
Forester, J 028337
Forestier, R 021777
Forgash, A J 028665
Fork, D C 026794
Forker, Olan D 022118
Forman, B H 023206
Forman, R T T 025894
Fornal, J 022820, 022821
Fornal, L 022820, 022821
Fornari, B 021806, 022231
Forner, J B 028207
Forsee, W T 026976
Forsov, V I 022436
Forster, C F 030977
Forster, G R 026691
Forster, I W 029846
Forsythe, H Y Jr 029207
Fortanier, E J 027073
Forte, R 021718
Forward, R B Jr 026586
Foss, S 027810
Foster, G R 030620
Foster, J 021425, 030785
Foster, K 021210
Fouad, K 024379

Foucaud, A 024985
Foulon, M 022708
Fouraste, I 026781
Fournet, A 026785
Foux, A 030146
Fowler, D B 023020
Fowler, D G 024024
Fowler, W E Jr 030144
Fox, J D 022674, 022845
Fox, L R 029231
Fox, M R S 022041, 022142
Frahm, R 023906, 024211
Fram, S R 022267
Framingham, C 021661
Framingham, C F 021706
Francia, E 027503
Francik, J 021226
Francis, C A 023755
Francis, C W 030885
Francis, D 026689
Francis, F J 022939
Francis, J comp 027404
Francis, O J 021918
Francisco, C G 026720, 026778, 026779
Franck, R 022173
Francke, B 026701
Franco, J 028401
Francoeur, A 029381
Francos, G 024085
Frank, A B 026956, 030712, 030713
Frank, F E 024503
Frank, F W 024584
Frank, G 025725
Frank, H K 021945
Frank, O 022003
Frank, R N 023300
Frank, T 021462
Frank, W 023002
Franke, F 024807
Franke, R 030078
Franke, W W 023398, 027193
Frankie, G W 028986
Franklin, D A 025148
Franklin, J F 025167
Franks, W J Jr 022679
Frans, R E 028494, 028530
Franson, J C 024452
Franz, F 030459
Franz, M 026732
Franzen, K H 022850
Franzke, C 022809
Fraser, A F 023247
Fraser, C 023708, 024008
Fraser, D 023250, 023343
Fraser, H 024717
Fraser L, B 021833
Fraser, R S S 026148
Frasier, G W 030732
Frater, R W 023461
Frattini, J de A 027373
Frederick, J J 028406
Fredericks, S A 023632, 023633
Free, J B 027205, 029113
Freed, V H 029081
Freeland, W J 029332
Freeman, G G 022946, 022953
Freeman, H P 029109
Freeman, M G 024171
Frehse, H 029172
Freicoun, S O 028131
Freidrich, G 025875
Freire, R 026720, 026779
Freitag, H 025874
Freitag, R 029392
French, R A 028773
Freney, J R 026899
Frenkel, C 022960
Frenz, G 029377
Frerichs, W M 024583
Freshwater, J F 021584, 022157
Fretwell, S D 030801
Freund, T 022205
Frey, G 029560, 029565, 029569, 029570, 029571, 029572, 029573, 029574, 029575, 029576, 029577, 029578
Freyman, S 023721
Freyscmidt, J 023581
Freysoldt, C 024026, 024027
Freyssinet, G 026797
Freytag, H E 030573
Friberg, S 025487, 025494
Fribourg, C 028269
Frick, E L 027896
Frick, H 026446, 026448
Fricker, D J 022943
Frid, A S 027000
Frid, L D 025451
Fridell, I 025162
Fridley, R B 030141
Friede, G L 023458
Frieden, E 023271
Friedman, A R 029111
Friedrich, R L 023628
Frier, H I 022201, 023643
Friere, R 026778
Fries, L 025962
Fries, R W 023295
Friesen, H A 028503
Friggi, A 023559
Friis, N F 024401
Frink, C R 030638
Frisbie, R E 028986
Fristrom, D 029508
Fristrom, J W 029508
Frith, L O 'C 022009
Fritsch, H 026726
Fritzsche, R 027838, 028335
Frizzi, G 029044
Froebe, H A 025951
Froeman, G A 023378
Frolich, J C 023583
Frolov, N M 030385
Frolova, L V 026140
Fronek, A 023207
Fry, B M 026071
Fry, W G 025700
Frycek, A 027542
Frye, J 021073
Fryrear, D W 028444
Fu, M F 026326, 026328
Fuchimukai, M 023780
Fuchs, A 026092
Fudalej, P S 022479
Fuehring, H D 027496
Fuentealba A, J E 027356
Fuhs, G W 030938
Fujikawa, K 029450
Fujikura, Y 026652
Fujimoto, M 026347
Fujimoto, T 023542
Fujimura, H 026654
Fujioka, S 026663
Fujisaki, Y 024488
Fujisawa, K 024622
Fujita, E 026729
Fujita, S 022869
Fujiwara, T 028139
Fujiyoshi, N 028654
Fukami, H 027982
Fukazawa, T 022684, 022691
Fukui, S 026554, 026591, 028139
Fukumori, Y 023572
Fukumoto, K 026634
Fukunaga, K 029121, 029131
Fukunaga, T 022647
Fukushi, S 030352
Fukushima, H 024980
Fukushima, S 026516
Fukuyama, M 026833
Fulford, M 025547
Fuller, W H 030582
Fullerton, D G 030870
Fulp, T G 024441
Fulton, M 021748
Fulton, R W 028206, 028280
Funk, A 025663
Funkhouser, E A 027029
Furgala, B 029721
Furk, C 029407
Furman, R W 025065
Furnica, H 025478
Furnkranz, D 025848
Fursch, H 029698
Furuchi, T 030018
Furuki, M 030926
Furuno, K 022139
Furusawa, I 027983
Furuta, F 023539
Furutsuka, T 027220
Furuya, M 027267, 027278
Furuyama, M 024786
Fuseler, J W 027324
Fushtey, S G 028347
Fusi, P 025388
Fuska, J 026417
Fussell, G E 021069
Futatsuya, F 028519
Futrell, Mary F 022124
Fyg, W 029818
Gaas, A A 027329
Gabara, B 026053
Gabel, A A 024320
Gabica, J 030945
Gaborcik, S 023011, 027533
Gabr, A I 027062
Gabrichidze, Z Sh 027863
Gabriels, D 030614
Gabrion, C 029512
Gachanja, S P 027650
Gachter, R 023608
Gaertner, U 023392
Gafarov, S 028762
Gagliardi, G 024748
Gagne, R J 029705
Gahlot, D K 022011
Gailitis, IU P 023032
Gaillard, D 023558
Gaillardon, P 028599
Gaina, L V 026282
Gairon, S 030338
Gajentaan, J E 024367
Galachyan, R M 028138
Galat, J 025519
Galbraith, R I 022760
Gal'chenko, N P 022998
Gale, M D 026160
Galinkin, B E 025440
Galkin, M 030068
Gallagher, J L 026432
Gallaher, R N 030461
Gallais, A 026305
Gallavresi, P 022818
Galli, M G 026798
Galliard, T 027253
Gallmetzer, P 022659
Gallo, J R 026526
Galloway, I D 029664
Galonsky, A 026395
Galun, E 026551
Galun'ko, V I 028916
Galzy, P 026117
Gamarnik, N G 024258
Gamble, J L Jr 023226
Gamborg, O L 026074, 026111
Gancev, P 025164, 025249
Gangardt, G G 030767
Ganger, H 029934
Gangrade, G A 028798
Ganguly, A K 028404
Gangwar, M S 030203, 030222
Gangwere, S K 029196
Ganin, A P 021337
Gannon, Martin J 022278
Ganor, E 025797
Ganti, S S 025423, 025424
Gantt, E 026419
Ganz, C R 030933
Ganzlin, G 022398
Gara, R I 028922
Garadi, R 022898
Garalapuri, V N 030223, 030314
Garbinchius, A 025122
Garcia Acha, I 026375
Garcia Blanco, H 028499
Garcia de Lima, E 024806
Garcia Dominquez, J J 022661
Garcia, M L 028963
Garcia, R 028055, 029348
Garcia, R D 028739
Garcia, Y 024701
Garcin, J E 029200
Gardner, B 021783
Gardner, B D 030743
Gardner, R B 025526
Gardner, R W 023143
Garg, J S 030471
Garg, K C 030219
Garg, S N 026607
Garland, P B 026026
Garlich, J D 029313
Garmonov, I V 030753, 030766
Garner, C R 021365
Garner, G B 022773
Garnett, S 022200
Garnier, M 028247
Garr, Janice 022318
Garrett, W N 021782
Garrison, R G 025943
Garrison, Trudy 022343
Garverick, H A 024857, 024858
Garwes, D J 024426
Gary, C 026370
Garzon, S 028653
Gasanov, M M 028767
Gashkova, M IA 025393
Gasparetto, E 029974
Gasparic, Z 025525
Gates, G 027686
Gates, L F 028231
Gathungu, C N 027616, 030401
Gatilova, F G 030277
Gaull, G E 022206
Gaur, A C 030318
Gaur, B L 030449
Gausman, H W 027465
Gavasheli, N M 027159
Gavazzi, G 026165
Gavelin, G 025483
Gaver, T P 028829
Gavrilov, A P 022992
Gavrilova, V P 026672
Gavrushkaev, V Ch 023956
Gawande, S P 030309
Gawienowski, A M 024109
Gawlowska, J 025680
Gawthorne, J M 023752
Gay, J 027981
Gay, N 023096
Gayed, S K 028348
Gaytandgieva, R 024409
Gayte-Sorbier, A 022379
Gazizov, M S 030981
Gazzard, B G 023315
Gazzolo, L 024764
Gear, J R 028338
Gebert, F 022956, 027798
Gebert, J R 029833
Gebicke, P 024278
Gecan, J S 021915
Geczy, A F 024514
Geczy, C L 024514
Gedek, W 024995
Gedykh, V B 025115
Gee, J M 024975
Gee, M G 024975
Geenty, K G 023618, 023829, 024178
Geerken, F K 021723
Geest, L P S van der 029333
Gegechkori, R 022541
Gehra, H 022644
Gehrke, C W 023043
Geidel, H 030569
Geiger, H 026567, 029343
Geisel, O 024936
Geisler, G 025295, 027061
Geissbuhler, H 029116, 029127, 029137, 029138
Geissler, A E 027260
Geissler, B 023025
Geisthardt, M 029693
Geitler, L 026044
Geizler, P S 025134
Gelashvili, N N 022995
Gelatt, K N 024931
Gel'bukh, T M 030783
Geldermann, H 024278
Gel'fand, E D 030899
Gelin, S 027296
Geller, L 027747
Gellerman, J L 026665
Gellman, I 030970
Gelmond, H 027176
Gel'vikh, M V 026491
Gemmer, H 021845
Genereux, H 027931
Geneves, L 027224
Genevois, J P 024352, 024898
Genier, G 026175
Genkina, G L 026494, 026497
Gennings, J N 023522
Gensinger, D 022602
Gensler, G 028432, 028433
Gentry, C R 028882, 028883
Genty, P 028672
Geoffrion, R 027906
Georgakes, S A 022577
Georgakis, S A 022621
George, D A 022014
George, E J 030713
George, G A 024822
George, J 025387
George, J E 030231
George, P S 021580
Gepting, E F 021970
Gerard, M 024125
Gerardi, I A 030767
Gerasimov, A A 027841
Gerasimova, M I 030379
Gerasimova, T I 029446
Gerber, G B 023640
Gerbermann, A H 027465
Gerbrandy, S J 027245
Gerei, L 021296
Gergely, J 023527
Geringer, M 021950
Gerlinger, P 028286
German, V N 027166
Germing, G H 027608
Germishuizen, G 025692
Gero, S 023605
Gerola, P 026222
Gerrettson-Cornell, L 027871
Gerritsma, K W 026637
Gerrity, R G 024520
Gersbach, K 027837
Gershman, H 023496
Gerson, U 029194
Gerstenkorn, P 022753
Gessaman, P H 021730
Gestrich, R 024745
Getmanenko, A 028878
Getz, G 021992
Gewecke, M 029399
Geyer, W A 025192
Gfrorer, F 023799
Ghafoor, M A 024549
Ghatak, S 021604
Ghate, S R 030145
Ghauri, M S K 029612, 029614
Ghelelovitch, S 029389
Ghendon, Y 024766
Ghergariu, S 024934
Ghetti, J L 022759
Ghiggino, K P 022697
Ghildyal, B P 030248
Ghillany, B A de 025599
Ghooprasert, P 027231
Ghora, K 026133
Ghosal, A K 023434
Ghosh, B N 022417
Ghosh, P 023364
Ghosh, S K 030302, 030307, 030324
Giacobbe, A 025706
Gianella, H 024741
Giannakoula, D 024509
Giannotti, J 028226
Gibb, B 024463
Gibbons, J 023726
Gibbs, G H 021140
Gibbs, M M 029146
Gibbs, R 024667
Gibson, A H 026899
Gibson, D B 023653
Gibson, D F 025526, 025529
Gibson, G W 023725
Gibson, J L 021299
Gibson, T C 022004
Giebelmann, R 024463
Gienapp, E 022524
Giesberger, G 027604
Gieselmann, M J 029404
Gifford, R M 021252, 030964
Gifkins, K B 026847
Giha, O H 028068
Gil, F 027981
Gilbert, A B 023710
Gilbert, J 022509, 022527
Gilbert, L E 029230
Gilbert, T W 030204, 030205
Gilbertson, D W 023234
Gilbertson, J T 022786
Gilead, D 030464
Giliarov, M S 029514
Gill, B S 028993
Gill, D L 027895
Gill, H S 030472
Gill, J D 025038
Gill, K S 026300
Gill, M S 022774
Gill, W R 029980
Gillam, B M 022206
Gillespie, J S 023333
Gillett, G W 025731
Gillette, D G 030925
Gilliam, M 029841
Gilliam, M S 025767
Gillies, C B 026088
Gillison, A N 025917
Gilmer, R M 028169, 028259
Gilmore, V 025075
Gimigliano, M 022401
Gimmler, W 023107
Gimson, R 027666
Ginisty, L 023791
Ginsburg, D 026841
Ginter, E 022023
Ginthner, J D 021745
Ginzburg, IA M 021403
Ginzinger, W 022606
Girard, C 029226
Girardie, J 029270
Giri, S N 024311
Girre, R L 022196
Gisi, U 028104
Gittelman, S H 029221
Giuglea, M 024934
Giul'akhmedov, Kh O 027440
Giunchedi, L 028185
Giurca, G 025231
Giurgea, R 025006
Givan, C V 028077
Givand, S H 022141, 023538
Gjerde, I 021332
Gladkikh, V I 028287
Gladstone, G P 023316
Gladunov, I M 026145
Gladysheva, L E 029796, 029798
Glasinovic, J C 023216
Glass, A D M 027008
Glass, B L 028520
Glass, R L 022516
Glattli, H U 023119
Glavinich, R D 026265
Glazkova, E L 025306
Glebezdin, V S 024578
Gleye, J 026781
Glezer, V M 030166
Glick, G 023209
Glod, W 022693
Glodek, P 024236, 024284, 024285
Glomski, C A 023579
Glonti, G N 021442
Glouchko, B A 026785
Glukhov, D K 021825
Glushchenko, N V 025315
Gluz, R IA 023034
Gnadinger, F 029719
Gnanam, A 028509
Gnutova, R V 028256
Gobashi, A L 026679
Goblos, G 030098
Gochnauer, T A 029813, 029822
Godden, P M M 023523
Goded y Mur, A 022586
Godel'man, IA M 030288
Godfrey-Sam-Aggrey, W 028296, 030396, 030568
Godhania, K P 028718
Godman, R M 025260
Godson, G N 026631
Godziemba-Czyz, J 027093
Goel, Y P 024554
Goering, K G 023868
Goertz, G E 022666
Goertz, Grayce E 022119
Goertz, W F 027678
Goetsch, L 026236
Goforth, M H 025073
Gognie, Y 023989
Gogolashvili, A A 027292
Gogolishvili, Z A 028099
Gogorikidze, N I 030536
Goh, K M 030504
Goheen, A C 028216
Gokulpure, R S 025197
Golberg, I 029099, 029117
Gold, M 024364
Goldberg, D 030386
Gol'dberg, G A 027429
Goldberg, J 029276
Goldblith, S A 022460, 022463
Goldich, J 023028
Gol'din, A L 030589
Gol'dman, I L 024259
Goldner, M G 022161
Goldschmidt, E E 027200
Goldspink, G 024828
Goldstein, R A 025893
Goldsworthy, A 027416
Goldsworthy, G J 029418
Goliadze, Sh K 026291
Golley, F B 021762
Golovetskaia, G V 023957
Golovikhin, I V 025116
Golovin, A I 025353
Golub, A 021139
Golub, E 023533
Golubev, V D 030574
Golubov, IU A 029190
Golz, W 029759
Gomand, M 028512
Gomez, B 021739
Gomez Ballesteros, J P 023918, 023919
Gomez, G G 023755
Gomez, K A 030527
Gomoll, R 023026
Gona, S 021360
Goncalves, A 030113
Goncalves, A J L 029487
Goncalves, C R 029487
Goncharenko, I O 028904
Goncharenko, O I 028916
Gonda, CS 021366
Gonsoulin, G 025675
Gontarovskii, V A 026289
Gontzea, Iancu 022177
Gonzales M, C J 021795
Gonzalez, A G 026361, 026362, 026720, 026778, 026779
Gonzalez, M G 027962
Gonzalez M, S 027891
Gonzalez-Padilla, E 023998
Good, D 021675
Good, N F 027315
Good, R E 027315
Goode, J A 023513
Goodenough, D A 026199
Goodenough, U W 026019, 026200
Goodenough, W 026199
Gooderham, P T 027422
Goodfellow, M 026979
Goodger, B V 024787
Goodhead, K 021935, 022687
Goodman, D S 023503
Goodman, E D 029009
Goodman, F R 023261
Goodman, R M 028282, 028283
Goodpasture, C 029555
Goodrich, D 022862
Goodwin, G M 023554
Goodwin, T W 027242, 029251
Goonewardene, H F 028852
Goos, U 028881
Gopala Rao, P 027164
Gopalaswamy, T P 027760
Goplen, B P 026887
Gorbach, S 029125
Gorbataia, M L 021458
Gorcea, Viorica 022177
Gordeev, D I 030766
Gordh, G 029354

Gordienko, L M 027576
Gordon, A J 023776
Gordon, B 022009
Gordon, F J 023088, 023689
Gordon, I 024006
Gordon, J A 029072, 029112
Gordon, J L 023647, 023907
Gordon, R B 025570
Gordon, T 023611
Gore, M G 026612
Gorelkin, N V 021763
Gorelov, IU K 029020
Goren, R 028414
Gorenflot, R 026104
Goret, P 024495
Gorg, A 023003
Gorgoshidze, G M 027862
Gorgul, O S 024323, 024970
Gorin, V T 030577
Gorina, E I 025909
Goriunova, T G 025310, 025347
Gorlach, E 030170
Gorlach, K 030170
Gorlenko, M V 025742
Gorlitz, H 030419
Gorobchenko, M M 027575
Gorodetskii, S E 030208
Gorokh, V N 022824
Gorski, P M 026875
Gorsuch, C S 029328
Goryaev, M I 026484
Goss, G J 027111
Gosser, H S 024853
Gosswald, 029762
Gostimsky, S A 029446
Goth, R W 028261
Goto, H 024594
Goto, M 024874, 030952
Goto, S 024048, 024049, 024050, 026533
Goto, T 025528, 028273, 028274, 029838
Gotou, K 022593
Gottlieb, B 023214
Gottlieb, O R 026574, 026742
Gottschalk, A 024288
Gotwald, W H Jr 029534
Gotwalt, N H 021091
Gouger, R J 028937
Gough, A 024706
Gough, T A 022687
Gould, A 023127
Gould, C J 027877
Gould, M 023647, 023907, 024211
Gould, M B 023149, 023150, 023905
Gould, R E 025717
Gour, H N 027944
Gourbault, N 025667
Gourley, C O 027931
Goursaud, J 029079
Goutefongea, R 022643
Govan, J H 030914
Gove, J P 027338
Govindachari, T R 026633
Govindan, P R 030226
Govorukhina, V A 025556
Gowda, T V 029790
Gower, D B 023522
Goyal, H O 023967
Goyal, R P 025378
Goyal, V P 030223
Gozdzicka-Jozefiak, A 026773
Gozmany, L A 029688
Graber, D R 029111
Graber, M 024491, 024492, 024493, 024639
Grabovskii, V B 026262
Grace, N D 022709
Gracen, V E 028751
Gracey, C A 021614
Graeber, E 030089
Graf, A 021968
Graf, F 023659
Graf, H 028880
Graf, L 023129
Graff, T F 021481
Graff, O 030259, 030272
Grafova, V A 022114
Graham, A J 029748
Graham, D 027269
Graham, F Jr 028639
Graham, G G 022122
Graham, J D 021700
Graham, W G 028063
Grahs, L E 025484
Graichen, G 030009
Grainer, M 021886
Gramolina, M 030488
Granados, R R 028758
Grancini, P 028165
Grande, H J 022425
Grandin, T 030012
Granelli, G 024457
Granett, A L 028217
Granett, J 028644
Granick, S 023480, 023624
Grant, C 025379
Grant, G G 029272
Grant, M E 023288
Grassi, S 026685
Gratkowski, H 028588
Gratraud, J 022745
Gravert, H O 024237, 024289
Graves, A T Jr 027715
Graves, N W 024197
Graves, R E 029867
Graves, W L 026354
Gravtsov, I A 021337
Gray, A R 024739
Gray, B 027110
Gray, B C 022115
Gray, D 022951, 027198
Gray, D E 028928
Gray, D H 021876
Gray, E C 029914
Gray, E G 027875
Gray, J C 026245
Gray, J G 024435
Gray, L B 028885
Gray, T R G 030209
Grazi, E 023394
Greb, B W 030704, 030711
Grebennikov, V S 029515
Greblea, A 024934
Grechka, I V 028121
Greef, J a de 027221
Greef, W J de 024106
Green, B L 021073
Green, C J 024340, 024341
Green, D G 026925, 026926
Green, E C 022679
Green, F B 027273
Green, Hilary 022344
Green, R 022061
Green, R A Jr 021212
Green, W 030813
Greenberg, B 029037
Greene, B A 021130
Greene, G L 028753
Greene, H J 024851
Greene, J C 026544, 028357, 030862
Greene, J F 029782
Greenland, D J 030369
Greenleaf, A L 029350
Greenshields, B L 021495
Greenway, A R 022489, 029407
Greenway, J A 024851
Greenwood, C 026612
Greenwood, R E S 024327
Greenwood, S P 022489, 029825
Greer, J D 030621
Greer, M A 022163
Greer, S E 022163
Greess, L H 021321
Gregg, J H 026534, 026559
Gregory, G F 025254
Gregory, K E 024090, 024091
Gregory, T L 022700
Greib, I 028156
Greiff, D 024534
Greilhuber, J 026232, 026233
Grela, M E 024527
Grenson, M 026393
Gressel, P 025360
Gresser, I 024541
Gretener, P 024902
Greuter, B 025994
Greve, J H 024609
Greve, T 023968
Greywood-Hale, E A 029824
Gribencha, S V 024418
Gridgeman, N T 026220
Gridley, H E 026301
Griego, R R 023866
Grieninger, G 023480, 023624
Grierson, W 022888
Griffaut, B 026918
Griffin, G D 028453
Griffin, G F 030441
Griffin, G J 030192
Griffin, J 028424
Griffing, B 026302
Griffith, S M 030196
Griffiths, A J F 026120
Griffiths, B C R 024618
Griffiths, D A 025996
Griffiths, D C 029407
Griffiths, W T 026904
Grigal, D F 030179
Grigaliunas, I 025122
Grigarick, A A 029643, 029648
Grigorenko, G P 030167
Grigorenko, M N 027578
Grigor'eva, M S 027066
Grigorian, G Sh 023956
Grill, D 025025
Grillot, J P 029279
Grimble, R F 022180
Grinchenko, L S 025329
Grinevich, V 030669
Grinichenko, L S 026275
Griniuk, T I 028021
Gripon, J C 022599
Grisebach, H 026568, 026726
Grisez, T J 025255
Grishin, E V 023311
Grissell, E E 029555
Grist, D H 030798
Griswold, D R 024192
Gritsik, M I 030619
Griffani, P 022538
Grizzard, T 030179
Grizzell, R A Jr 023111
Grobe, B 026056
Groenewegen, C A M 021430
Groenewold, H H 021345
Grogan, W L Jr 029070, 029639
Grolle, R 025838
Gromova, A S 025277
Groner, A 028667, 028690
Groning, G 021204
Gropp, J 023734
Grosch, W 022848
Grosclaude, G 022629
Groshev, B I 025045
Gross, D 026758
Gross, D R 024723
Gross, F 023023
Gross, G F 029478
Gross, M 028538
Gross, W B 024438, 029031
Grosset, L 024069
Grossowicz, N 022007
Grosvenor, C E 023510
Groth, J V 026113, 026114
Grothaus, R H 029029
Groube, L M 021147
Groupe, V 024593
Grove, H H 021846
Grover, R 028338, 028607
Grover, R F 023410
Groves, R H 028496
Gruden, N 025000
Grundish, R W 024377
Grunert, E 023984, 024274
Grunert, S 022809
Grunes, D L 026892
Grunig, P 025101
Gruss, R 022400
Gruvel, J 029032, 029033, 029034
Gruzdev, N V 024263
Gryllus, E 022852, 022853
Guadi, V 025103
Gualdi, V 025102
Gubbels, G H 027725
Gudakova, V I 028907
Guebriant, R de 021264, 027403
Guedes, M 025572, 025969
Gueguen, A 025883, 029263
Gueguen, L 023870
Guelfi, J F 024889
Guenthner, H R 027377
Gueorguiev, Z 026178
Guerin, G 021124
Guerin, Y 024007
Guerineau, M 026221
Guerra, A A 028739
Guertzenstein, P G 023336
Guest, R 025055
Guevremont, H 028926
Guex, M M 022462
Guha, S R D 025378
Guidi, G 030193
Guidobaldi, G 021896
Guilfoyle, T J 026043
Guilhaumaud, Y 027374
Guillemot, J 021714
Guillen Paiz, R 027829
Guillon, B 024898
Guinee, P 024810
Guitron R, A 030795
Gulanyan, T A 026038
Guliaev, G V 026256
Gull, K 026027
Gullett, C Ray 022272
Gulrajani, T S 024553
Gul-Zumreoglu, S 028682
Gumilevskaya, N A 027133
Gumuchian, H 030597
Gunin, P D 025046
Gunn, R G 024087
Gunning, R V 029457
Gunther, G 026909
Gunther, H 024648
Gunther, K 023049, 023798
Guppy, J C 029286
Gupta, A K 030468
Gupta, B D 026730
Gupta, B K 029793
Gupta, B N 027319
Gupta, I 024561
Gupta, I C 030660
Gupta, K P 024612
Gupta, M C 022011
Gupta, M D 028251
Gupta, N D 023338
Gupta, P C 023037
Gupta, P D 021902
Gupta, P K 026228
Gupta, P P 024559, 024794
Gupta, R N 030295, 030298
Gupta, S B 028656
Gupta, S C 023038
Gupta, S K 021983, 026906
Gupta, S P 026601
Gupta, V K 030321
Gupta, Y P 030468
Gupton, C L 026893
Gurang, G K 028354
Guray, P 022829
Gurley, G E 030621
Gurnani, M 024072
Gurney, A B 029661
Gurney, J M 022079
Gurth, P 025294
Gurtner, G 024097
Gurturk, S 024798
Gururajan, K N 021377
Gusarenko, T I 028154
Guseva, N N 028000
Guseva, S S 022824
Gushcha, L 028525
Gushchin, B E 028468
Guspan, J 030625
Guss, S B 024303, 024319
Gusse, M 029434
Gussek, K W 021871
Gussone, H A 030460
Gusta, L V 027018
Gustafsson, B 023969, 023970
Gut, I 023256
Gutermann, W 025848
Gutfinger, T 022790
Guy, H P 030697
Guy, M 021261
Guy, P 026173, 026175
Guyer, H 027369
Guynn, G 029806
Guyomarc'h, C U 026757
Guz, J 021330
Guzenko, T M 026504
Guzev, V S 030907
Guzhova, N V 028007
Guzii, A 027780
Guzina, V 027341
Guzman, G 025772
Gvaladze, N V 022995
Gvozdev, V A 029446
Gwynne, D T 029208
Ha, M S 024685, 024690
Haaland, E 027085
Haan, C T 030796
Haan, W G de 021355
Haantjens, H A 030965
Haard, N F 022958
Haarlov, N 028989
Haas, J E 026047
Habai, J C 029200
Haber, Z 027075
Habiballa, N 024737
Habicht, Jean-Pierre 022185
Habish, H A 027189
Haccius, B 026422
Hacik, T 024242
Hack, W 021409
Hackelius, L 023412
Hackett, A J 024089
Hackett, I 030513
Hackett, M R 023862
Hackray, J 029620, 029624
Hackstein-Anders, C 026057
Hadac, E 025916
Haddon, V R 022960
Hadicke, H 024238
Hadlaczky, Gy 026158
Hadorn, H 022748
Hady, T F 021731
Hafkenscheid, J C M 022002
Hafs, H D 023980
Hagan, D H 024785
Hagan, R M 027417
Hage, N 029262
Hagedorn, D J 028266
Hageman, R H 027025
Hagemann, R W 030642
Hagemann, W 025614
Hagen, W 021696
Hager, H 023422
Hagerman, D D 023505
Hagg, G 025824
Haggar, R J 028606
Hagihara, S 021165
Hagima, I 028276
Haginiwa, J 026514
Hagiwara, T 024632
Hagness, A K 027091
Hagsater, E 025543
Hahlbrock, K 026568
Hahn, C W 022545
Hahn, F E 023304
Hahn, G 021944
Hahn, L 023665
Hahne, K 029848
Haid, H 023686
Haider, A S 021202
Haight, J 027348
Hairgrove, T B 024907
Hajek, D 027541
Hajela, S K 024562
Hajjaji, S A 021201
Hajny, G J 025533
Haken, D 030741
Hakkaart, F A 028208
Hakki, M I 025955
Hakonson, T E 024957
Halabrin, M 027347
Halbrook, W A 021365
Halbwachs, G 028361
Halder, C 030427
Halderman, A D 030582
Hales, J R S 023609
Halevy, A 022902
Halevy, A H 027078, 027199, 028313
Halkka, O 029364
Hall, D H 028054
Hall, D O 026404
Hall, D R 029412
hall, I V 026115, 027722
Hall, J D 025167
Hall, Katherine B 022286
Hall, R C Jr 022201, 023643
Hall, R D 029031
Hall, S A 025606
Hall, T C 027262, 027272
Hallback, D A 023179
Hallberg, M C 021637
Hallberg, O K 021123
Hallermayer, E 021846
Hallford, D M 024092
Halloran, G M 026122
Hallstone, K 026078
Halmer, P 027217
Halsey, J F 024462
Halup, Mrs G Zs 028935
Halushka, V M 023937
Halva, E 027537
Halver, J E 022039
Halvorson, H O 026339
Hamada, I 022406
Hamann, J 023658
Hamann, U 025620
Hamant, C 025843
Hamasaki, M 024047
Hamasaki, T 026351
Hamdorf, G 028179
Hamdy, Y S 030908
Hamilton, C H 021905
Hamilton, D F 027155
Hamilton, E J 023540
Hamilton, H E 022845
Hamilton, J W 027187
Hamilton, P B 024996
Hamilton, R H 026619
Hamilton, R W 029346
Hamilton-Miller, J M T 024619
Hamlen, R A 028853
Hamm, R 022718
Hammack, K P 030554
Hammarberg, C 023188, 023192
Hammer, E R 021221
Hammer, K 029918, 029925, 029927, 030936
Hammett, K R W 028036
Hammill, T M 029431
Hammon, R P 028813
Hammond, C L 028980
Hammond, J 024446
Hammond, J A 024373
Hamon, A B 028920
Hampton, A 023298
Hampton, J W 027872
Hampton, R O 028263, 028266
Hamrick, R L 030664
Han, D S 022814
Han, K P 027825
Han, P J 022535, 022814
Han, S G 027826
Han, S K 030116
Han, S Y 023880
Han, Y W 021863
Hanafusa, T 027658
Hanaoka, M 026521
Hanasawa, M 026514
Hanawa, H 027350
Hand, D W 027639
Handa, K L 026730
Handa, T 026533
Hani, H 024716
Haniu, M 026404
Hanley, E R 021275
Hanley-Bowdoin, L 024064
Hanna, C 029262
Hanna, M O 021922
Hanna, M R 027381
Hannak, C 025160
Hannich, K 027057
Hanrahan, S A 029201
Hansel, W 023990, 024089
Hansen, A J 028176
Hansen, D E 021407
Hansen, E 027803
Hansen, E V 021976
Hansen, H B 023968
Hansen, I V 022092
Hansen, J E 026441
Hansen, N M 021747
Hansens, E J 029012, 029027
Hanset, R 024014
Hanson, B 026821
Hanson, L D 027450
Hanson, M 021185
Hanson, R P 024941
Hanson, R S 028140
Hanson, R W 023487
Hanzawa, K 021242
Hanzely, L 024057, 026058
Haponenko, V S 030161
Haque, R 029081
Hara, H 026517
Hara, K 023931
Harabin, D E 022227
Harada, K 022212, 022213
Harada, T 030270
Haralambiev, H 024409, 024410, 024411
Harbo, J R 029727
Harbola, P C 024552
Harborne, J B 025702, 026230, 026572
Harcourt, D G 029286
Hard, G C 024570
Hard, J S 028961
Harder, W 026377
Hardin, J W 025677
Hardin, N 021918
Hardman, J K 026697
Hardtl, H 026424
Hardwick, W A 022546
Hardy, A R 029663
Hardy, L 021166
Hardy, R J 028657
Hardy, R N 023547
Hardy, R W F 027019
Hare, M L 025936
Harel, E 027011, 027013
Haren, C C 021749
Harfst, W 021205
Hargitai, L 027644
Hargreaves, G H 027531
Harie, S 026643
Hariharan, M 028541
Haritonidis, S 025628
Harkai, L 025187
Harker, D W 023548
Harkness, D R 023378
Harlan, G P 024226
Harland, B F 022142
Harland-Rowe, R 030819
Harley, K L S 028521, 028659
Harlin, M M 025867
Harmon, B G 023765
Harms, L L 030816
Harnaj, V 029863
Harness, E 024481
Harnett, R F 029886
Harniss, R O 028594
Harper, A E 022048
Harper, R D 023287
Harrington, D D 024580
Harrington, D H 023101, 023102
Harrington, R Jr 024450
Harriott, B L 030140
Harris, B Jr 023728
Harris, E D 028884
Harris, E J 028867, 028868, 028870
Harris, G C Jr 023094
Harris, J M 025464
Harris, J R 023105, 024441
Harris, L E 023860
Harris, M C 028621
Harris, P V 022683
Harris, R F 026696
Harris, R H G 028431
Harris, R L 029024, 029028
Harris, R V 028602
Harris, S 027216
Harris, T J R 024659
Harris, W V 028826
Harrison, B D 027978
Harrison, D 023482
Harrison, D L 030940
Harrison, J H 023481
Harrison, K A 025763
Harrison, L 030541
Harrison, L C 022160
Harrison, M R 021513
Harrison, V C 022008
Harrison, W J 022696
Harrold, D 024571
Hart, E R 029650
Hart, N K 026639

Hartberg, W K 029635
Hartge, K H 030368
Harthoorn, P A 028536
Hartig, M 024984
Hartill, W F T 028080
Hartl, J 030847
Hartley, M J 024986, 028556
Hartman, E L 026099
Hartmann, C 027237
Hartmann, M A 027035
Hartmann-Frick, H 023671
Hartmanova, J 021979
Hartog, C den 025866
Hartsell, P L 028982
Hartwell, K 026545
Haruyama, M 025881
Harvey, D R 023018
Harwood, R 023288
Hasagawa, K 029835
Haschke, H P 027030
Hasegawa, H 027493
Hasegawa, K 022515, 029838
Hasegawa, M 024674, 025014, 027337
Hasegawa, S 022950
Hasel, K 025088
Hashem, H A A 022809
Hashiguchi, T 024047
Hashimoto, H 025417
Hashimoto, K 025422
Hashimoto, T 022813, 025422
Hashimoto, Y 022211
Hashinaga, F 022883
Hashioka, Y 027967
Hashizume, H 027342
Hashizume, K 024139
Hashizume, T 023784
Haskins, J R 029029
Haslam, E 026578
Hassan, A 023750
Hassan, M M 026624, 026867
Hassan, S A 028685
Hassebrauk, K 028032
Hasteer, P C 022011
Hastie, H 023247
Hastings, P J 026087
Hata, Y 026388
Hatanaka, A 026883
Hatano, H 026411
Hatefi, Y 023483
Hathorn, S Jr 030698
Hatsuda, Y 026351
Hatsushika, R 024623
Hatting, J L 028601
Hatton, J V 025541
Hatton, R H 023756
Hattori, S 026658
Haug, A 026640
Haugh, C G 030151
Haugse, L 027802
Haumesser, J B 024151
Hauser, W J 028501
Haussler, M R 023621
Haust, M D 023402
Hautvast, J G A J 022223
Havas, N 021493
Havelka, U D 027019
Haveman, J 027137
Haverberg, L N 023704
Havlicek, J Jr 030957
Hawker, L E 025780
Hawkins, J A 024587
Hawkins, P J 022382
Hawkins, T S C 023272
Hawksworth, F G 025822
Hawthorne, B T 028035
Haxo, F T 026743
Hay, E D 023499
Hay, M F 024120, 024132
Hayakawa, Y 022143, 023875, 023876, 027492, 027495
Hayano, K 026595
Hayashi, K 023717
Hayashi, M 024878
Hayashi, S 027298
Hayashi, T 024979, 024980, 025002, 026522
Hayashibe, M 026010
Hayashida, S 026348
Hayes, A J 027953
Hayes, A W 026646
Hayes, J P 023690
Hayes, J R 021918
Hayes, James L 022281
Hayes, N S 023493
Hayes, P 025579
Hayes, R M 028614
Haynes, R H 026226
Hays, R L 024121
Hays, S B 028744
Hayward, J A 030606
Hazan, A 029194
Hazem, A S 024807
Hazra, S 027421
Heady, E O 021754, 030792
Heagle, A S 028416
Healy, W M 025038
Heaney, J P 030725
Heath, G W 030276
Heath, H D 025486
Heath, I B 026013
Heath, J L 030937
Heath, M C 026012
Heath, R L 026788
Heaton, F W 024822
Heber, U 027140
Heberle, E 027040
Hebrowska, A 026877
Heck, W W 028416
Hecker, A L 022704
Hecker, M 026412
Hecq, J 029619, 029626
Hedges, J D 023765
Heding, L 024542
Hedley, D D 021707
Hedley, G 030749
Hedqvist, P 023185
Hedrick, H B 022669
Heed, W B 029647
Heede, M A van den 022922
Heenan, D P 028333
Heeschen, W 023658
Heggestad, H E 030911
Heidelbaugh, N D 022434, 022457, 022463, 022931
Heider, L E 024466
Heidler, G 028531
Heiligmann, R 030060
Heimann, W 022850
Heimberg, M 022151
Heimbuch, T 030640
Heimermann, W H 025833
Heinemann, S J 029634
Heinemann, W W 023719
Heinen, J Stephen 022291
Heinis, J L 022375
Heinrich, B 026371
Heinrich, H 030049
Heiseke, D H 025077
Heishman, J O 024089
Heisinger, J F 030813
Heiskanen, V 025293
Heisner, B M 024167
Heitefuss, R 027908
Heitor de Sousa, L M 024700
Heitz, J R 028646
Hejja, A 025474
Hejjas, J 025474
Hejmanowski, S 025245
Helbert, J R 022543
Held, A A 025987, 025988
Helfert, B 029511
Helgert, E 028644
Hellebust, J A 026443, 026444
Hellendoorn, E W 022146
Heller, L I 026622
Heller, R 026704
Hellering, I 024518
Helliwell, D R 030865
Hellyer, G 027769
Helm, K F 028658
Helmy, Z A 021986, 021987
Helsing, E 022065
Hemery, G 025884
Hemken, R W 023096, 023756
Hemming, F W 023294
Hempel, K 026176
Hench, K W 027793, 027794
Henderson, C R 024101, 024103
Henderson, G 030647
Henderson, I W 023520
Hendriks, H J 024368
Hengsawad, C 028789
Henis, Y 025984, 026451
Henne, D R 023136
Hennebach, H 024815
Henneman, H A 024390
Hennequin, M 024068
Henner, S 024727
Hennerty, M J 027197, 027204
Henney, H R Jr 026458
Henney, T 029942
Henning, A M F 030197
Henrich, H 023610
Henrick, C A 028894
Henricson, B 024253
Henriksen, T 022510
Henry, J E 029199
Henry, N 024897
Henry, S 022130
Henry, T J 028814, 029708
Henschel, H L 023858
Heou, M H 027826
Hepburn, D 023132
Hepler, P R 027722
Hepler, R W 027840
Hepting, L 027568
Herbaut, C 029237, 029361
Herbert, G 024893
Herbert, M 027266
Herborg, L 021931
Heredia, F J 030454
Hereth, M L 029725
Herin, P 023180
Herman, A G 023329
Herman, F R 025174
Hermans, P G C 023589
Hernandez, R 026720, 026778, 026779
Hernandez-Barreto, M 023989
Hernandez-Urdaneta, A 023816
Herold, A 022575
Heron, B K 022735
Herpka, I 025165, 025250
Herrera, M G 022080
Herrick, J B 024391
Herrick, O W 025467
Herrman, Robert O 022121
Herrmann, K 023004, 023005, 023006
Herrmann, V 030419
Hertel, H 026420
Hertel, W 023029
Hertl, F 027544
Hertog, H J den 026520
Hertsgaard, T 021736
Hertz, L B 027732
Herwirsch, W 028535
Herzog, A 024875
Herzog, D C 028724
Herzog, G A 028735
Herzog, J H 030280
Heshele, E E 021343
Hesketh, J D 026853
Hesler, L R 025775
Heslin, J A 022290
Heslop-Harrison, J 026240
Hess, D 026306
Hess, E 030572
Hess, G S 023095
Hess, W M 026594
Hesselmann, F 021486
Hetzel, H R 029293
Heursel, J 027828
Heuser, S G 028985, 029129
Hewes, D A 026892
Hewett, C 023687
Hewitt, A C T 027400
Hewitt, G M 029362
Hewitt, M R 022657
Heydanek, M G 022497
Heyden, W 021083
Heydorn, A O 024745
Heydorn, K P 024279
Heymans, P G 021844
Heyndrickx, A M 022922
Heyns, K 022174
Heywood, V H ed 025612
Hibbert, D 022859, 026960
Hibbs, J W 023950
Hibi, T 026522
Hickey, B 021390
Hickey, J L S 030930, 030931
Hickey, K D 028180
Hicks, B R 023514
Hicks, D R 025081
Hicks, O 030812
Hicks, R R Jr 025182
Hidaka, S 028236
Hidaka, Z 028236, 028237
Hidalgo, A 022881
Hiepko, P 025960
Hiernaux, J 026391
Hietanen, E 022194
Higashihara, M 022890
Higashiuwadoko, H 024048
Higgins, R 024707
Higham, J W 026974
Highland, H A 028988
Higuchi, K 025203
Higuchi, T 025367
Higuita Munoz, F 027830
Hikichi, A 027821
Hikichi, M 025166
Hikino, H 026755, 029837
Hildebrandt, H H 021417
Hilderson, H J J 023290
Hiler, E A 030737, 030738
Hilgenberg, W 026413, 026414
Hilker, D M 022000
Hill, A C 027256
Hill, J 026189, 027349
Hill, J E 028378
Hill, K R 029124, 029133, 029135
Hill, L D 021638
Hill, M M 022103
Hill, M S 021999
Hill, W G 024040
Hillel, D 026832
Hillendahl, W 021416
Hillerman, F 025589, 025598
Hillers, J K 023862
Hillidge, C J 023326, 023390
Hillmann, R C 029782
Hills, L D 030443
Hil'man, Z D 023668
Hilton, P J 021934
Himme, M van 028584
Hinderer, S 023724
Hinke, F 029519
Hinkle, D A 030603
Hino, G 027352
Hinostroza-Orihuela, A M 022209
Hinson, K 030415
Hinton, W F 025637
Hintz, H F 023561, 023617, 023754, 023824
Hipel, K W 030791
Hiramatsu, K 023931
Hiramatsu, N 028523
Hiramune, T 024655
Hirano, J 027351
Hiranpradit, S 022924
Hiraoka, S 027143
Hirata, N 027298
Hirata, S 025419
Hirji, R 026924
Hiroce, R 026526
Hiroe, S 026771
Hirokawa, F 028581
Hiromi, K 026883
Hirose, H 023575, 023780
Hirose, S 026394
Hirota, H 027463
Hirota, M 030929
Hirsch, H V B 023652
Hirschhorn, K 022206
Hirsh, J 024520
Hirth, I 028286
Hiruki, C 027983, 028229
Hisada, H 030433
Hislop, E C 028043
Hitchcock, J P 023889
Hitchcock, M J 022666
Hitchcock, Mary Jo 022119
Hitchcock, S E 023296
Hitchen, J M 029005
Hitomi, H 022213
Hitomi, J 022212
Hitz, H R 030881
Hiza, M A 024332
Hizukuri, S 022891
Hladenko, I M 024774
Hlavacek, J 027548
Hlevas'kyi, I V 027561
Hlochova, J 026529
Hlozanek, I 024525
Hnilica, L S 023488
Hnoiko, V O 024245
Ho, K S Y 026224
Hoag, D L 029978
Hobart, J M 028283
Hobbs, E H 027385
Hobkirk, R 023355
Hobrecht, R 022619
Hobson, G E 027082
Hobson, H P 024723, 024993, 025241
Hoch, H C 025990
Hochkonig, W 029909, 030024
Hochstetler, H W 023822
Hock, W K 030125
Hocquellet, P 023036
Hodges, C F 027922
Hodges, C S 027911
Hodges, R D 024664
Hodges, R E 022040
Hodgin, J C 026776
Hodgkins, E J 025179
Hoe, W J 025640
Hoebe, H P 024910
Hoeft, R G 026942
Hoehn, R C 030818
Hoek, C van den 025865
Hoes, J A 028061
Hoff, G L 024408
Hoff, J T 022543
Hoff, R J 027921
Hoffer, H 022601
Hoff-Jorgensen, R 024402
Hoffman, R L 029668, 029669
Hoffmann, D 029946
Hoffmann, D F 028875
Hoffmann, E 027116
Hoffmann, G 025374
Hoffmann, H 030015
Hoffmann, M 028510
Hoffmann, P 025470
Hoffmann-Walbeck, H P 030989
Hofmann, E 026553
Hofmann, M 025368
Hofreiter, B T 025486
Hogeweg, P 025576
Hogstrom, U 030804
Hogue, D E 023817
Hohenboken, W D 023638
Hojny, J 024404
Holacs, Mrs I 021117
Holaday, C E 021908
Holbrook, A A 024583
Holden, M 025647
Holdsworth, E S 023275
Hole, F D 030169, 030339
Holick, M F 022159
Holland, D A 022943
Holland, R W K 025653
Hollander, J den 029499, 029703
Hollatz, R 025007
Holleman, D F 023769
Holley, R W 023590
Holligan, P M 026691
Holliman, A 023285
Hollings, M 027980, 028204
Hollis, T M 023404
Hollister, T A 028337
Holloway, D M 026754
Holloway, P J 027240
Hollwich, W 024995
Holm, R E 029110
Holman, R T 025833
Holmberg, O 021831
Holmes, C W 027398
Holmes, M R 023856, 028039
Holmgren, J 024569
Holst, H 028689
Holsten, G H 022863
Holsteyn, G P A van 027628
Holt, D A 023012, 027041
Holt, J S 021372
Holt, K 021744
Holt, P E 024375
Holt, P R 022153
Holter, J B 023770
Holtkotte, H 029439
Holttum, R E 025726
Holtzer, H 023498
Holz, A E 021546, 021567
Holzapfel, W H 022638
Holzel, H 029580
Homan, H H 028830
Homan, M 023818
Homes, M V 026368
Homola, R L 025779
Honbo, T 023717
Honda, K 024140
Honda, Y 028241
Honeycutt, R C 029105, 029106
Hong, K W 029855
Hong, S B 022971, 027287
Hong, W S 025666, 029545
Hood, C I 023470
Hood, D E 021583
Hood, I A 028037
Hood, L 024023
Hood, R D 024859
Hoof, J van 024416
Hoogerheide, J C 026825
Hoogeterp, P 028302
Hooper, R A E 021865
Hope, W C 022197
Hopkins, F 022634
Hopkins, P 023871
Hopkins, S R 024446
Hopkins, T L 029406
Hopkins, W E 025889
Hoppe, G 022571
Hopper, P F 022256
Hoppin, F G Jr 023468
Hora, T S 030192
Horacek, P 022475
Horak, A 026930
Horak, J 026552
Horb, V D 030561
Horchner, 024746
Horel, A 029374
Hori, M 027905
Hori, T 025421
Horibe, I 026845
Horie, N 022408
Horiguchi, K 021164
Horiguchi, T 027144
Horii, T 029716
Horitsu, H 026346, 030904
Horn, A 028340
Horn, B 026952
Horn, D H S 029414
Horn, F P 023909, 027424, 027497
Horn, G W 023647, 023907
Hornbeck, J W 025070
Hornberger, G A 021745
Hornberger, G M 030817
Horne, R W 028283
Horneff, W 021712
Hornig, D 022031
Hornsby, Q R 023694
Horodnii, M H 027561
Horovitz, C T 024961, 026597, 026598, 030216
Horowitz, A 025797
Horrelt, M 028135
Horsbrugh-Porter, M 027729
Horsburgh, B A 023364
Horstmann, G 024274
Horton, E S 022004
Horvat, A O 025571
Horvat, F 028254
Horvath, H A 024883
Horyna, E D 030382
Horzinek, M C 024767
Hos, D 025718
Hosel, W 026566, 026577
Hoseney, F V 025769
Hosford, D R 025787
Hoshikawa, K 027354
Hoshino, M 026994, 026995
Hoshino, O 026517
Hoshino, Y 023572
Hosiaisluoma, V 025862, 026366
Hosoya, N 022210, 023582
Hotchkiss, D K 021928
Hotska, A 021810
Hotta, Y 026656
Houbraken, A 021833
Hough, J D 024334
Houghtaling, J E 028754
House, V S 029401
Houvenaghel, A 024256
Hove, E L 022519
Hove, W ten 022003
Hoveland, C S 028621
Howald, H 022021
Howard, B 026847
Howard, B M 026843
Howard, B R 023453
Howard, D R 024930
Howard, R J 027923
Howard, W E 028387
Howard-Williams, C 030655
Howarth, R E 024899
Howell, J D 022794
Howell, J O 029216
Howell, L J 024460
Howell, S L 023501
Howell, T A 030737, 030738
Howes, A D 022700, 022705, 023636
Hoxey, R P 029877
Hoying, S A 028848
Hoyle, B J 030370
Hoyle, M C 027338
Hoyt, S C 028818, 028819
Hozumi, K 025109
Hraba, T 024523
Hrachova, L I 030162
Hradecky, J 024404
Hradilik, J 027126
Hrakovich, L I 023937
Hrdinova, A 024758
Hrivnak, D 022168
Hrom-Maznichevs'kyi, L H 030160
Hrusha, P 021297
Hruska, E 030410
Hruska, L 027058
Hryniv, V IU 030157
Hrysenko, H V 028102
Hsieh, H J 030250, 030667
Hsieh, H S 023271
Hsieh, S I 026014
Hsu, C P 026752
Hsu, H 027227
Hu, M 022128
Hu, Monica 022129
Huang, B K 021674
Huang, C S 028405
Huang, H C 028061
Huang, M Der 024321
Huang, S K 027307
Huber, H A 025284
Huber, K 025953
Huber, M 021851
Huber, R E 029778
Huber, S C 026447
Huber, W 027455
Huber, W C 030725
Huberman, J A 024022
Hubinsky, J 029892
Hubner, H 028497
Huckabee, J W 030885
Hucko, J 021652
Hudak, J 026035, 027700
Hudson, B J F 022791
Hudson, L 024515, 024516
Hudson, N M 028657
Huet, J 027743
Huet, M 026954
Huff, H B 023018
Huggins, L F 021090
Huggins, R A 023625
Hughes, B O 023100
Hughes, D A 030532
Hughes, D L 024481
Hughes, H R 028547
Hughes, J G 022711
Hughes, L F 028200
Hughes, M R 023621
Hughes, R D 023315
Hughes, R H 025258
Hughes, T D 030177
Huguet, T 026917
Hukuhara, T 028652

Hulagur, B F 030243
Hull, H H 025511
Hulliger, M 023554
Hulme, M A 025509
Hultman, B 025485
Hume, D L 021564
Humeniuk, H O 023941
Humeniuk, V S 030156
Humphrey, J D 024034, 024817, 024911
Humphrey, T J 026399
Humphreys, W F 029463
Humphreys-Jones, D R 027876
Humprhries, J P 024723
Hungate, R E 023245
Hunn, J B 030876
Hunt, D R 025729
Hunt, J F 029183
Hunt, L A 026931
Hunter, D K 028875
Hunter, G L K 022921
Hunter, R H F 024046
Hunter, V E 023146
Huppert, J 024765
Huppertz, W 023266
Hur, W 024685, 024690
Huraux, J M 024405
Hurd, E A 026963
Hurst, C E 022700, 023636
Hurtig, M 021703
Hurwitz, A 027199
Hurwitz, S 023541
Husband, A J 024531
Huse, S 030830
Hushak, L J 021137
Husman, J F 030149
Hussain, M J 029019
Hussainy, S A 025372
Hutchcroft, C D 027466, 027467, 027468, 027469, 027470, 027471, 027472
Hutcheson, D P 021876
Huth, W 023395
Hutin, C 026959
Hutschneker, K 025358
Hutter, A 030107
Hutton, C 021101
Hutton, K 023727
Huxley, M P 026149
Huxley, P A 027624
Huxsoll, D L 024574
Huylebroeck, J 030363
Huynh, V M 028967
Huystee, R B van 027170
Hwang, K E 027112
Hybasek, J 024758
Hyldgaard-Jensen, J F 023195
Hynes, M J 026645
IAgodnikov, IU A 025135
IAkauleu, L A 022715
IAkimchuk, N V 024262
IAkimenko, V 027783
IAkimovich, N I 024241
IAkovenko, M IA 023672
IAkovleva, V I 028019
IAkovuk, A S 021971
IAkubnitser, M M 026261
IAkuts, O M 028796
IAnchev, A V 029983
Iancu, L 028995
IArmoliuk, M T 030561
IAshev, G IA 027430
IAshin, IA I 023000
IAshina, Z 030486
IAsinskii, V S 025389
IAsiunas, E 030068
IAtsyshyn, A I 024770
Ibikunle, B O 026320, 026321
Ibragimov, F Kh 022133
Ibrahim, A E 024737
Ibrahim, M N 023665
Ibrahim, R K 026907
Ibrahim, S S 022624
Ichida, I 026729
Ichihara, A 026352
Ichihara, K 023203
Ichijo, S 024628
Ichikawa, T 026406
Ichikawa, Y 026634
Ide, Y 023570
Ido, H 026655
Idonuma, T 026997
Idzon, P F 025175
IEshchenko, V O 030383
Ietswaart, J H 025573
Ignat'ev, A D 026263
Igontov, V G 028288
Iguchi, M 026851
Ihnat, M 029118
Iibuchi, M 026771
Iijima, I 026519
Iitaka, Y 026464, 026512, 026513, 026516
Ikeda, K 027663
Ikeda, S 024483, 024490
Ikegaya, F 026996
Ikekawa, N 023270
Ikeno, Y 022494
Ikeyama, G 021993
Ikhno, M P 021343
Ikramova, M M 026538
Iktueren, S 025239
Ikuma, H 027020
Ildes, J A 022010
Il'ev, L I 025437
Il'iazova, E I 021333
Il'ina, M D 027167
Il'ina, M N 028109
Iljina, V P 024651
Ilmavirta, V 026365
Ilyas, M 026006
Ilyunina, G M 030762
Im, K S 024204, 024205
Imadate, G 029605
Imai, H 026833
Imai, S 026663
Imaizumi, E 023877, 023878
Imaizumi, F 026554
Imaizumi, K 024632
Imaizumi, M T 024069
Imamura, T 022558
Iman, R L 024981
Imhoff, R K 024777
Imori, T 023566, 024136
Imoto, T 026340
Imperato, F 026707, 026721
Imre, S 026770
Imsande, R R 030971
Imura, S 025419, 025431
Imura, T 027220
Inaba, Y 024657
Inada, K 026983
Inada, Y 026394
Inami, Y 024630
Inamoto, Y 026652
Inanaga, S 027144
Inayama, S 026512
Inazu, K 027145
Inculet, I I 030803
Inden, T 028316
Ingalsbe, G 021602
Ingh, T S G A M van den 024803
Ingle, R K 026440
Ingledew, W M 026454, 026460
Ingorokva, B I 030373
Ingram, B R 029410
Ingram, J 027422
Ingram, J C 023131
Inhaber, E R 026220
Inman, R D 024946
Inoko, A 030531
Inoo, H 022647
Inoue, H 028789
Inoue, K 026522
Inoue, M 030740
Inoue, Y 026406, 027493
Inoue, Y K 024535
Inouye, H 026522
Inskeep, E K 024089
Intizarov, M M 023680
Ioannou, P 023291
Ionesco, T 030598
Ionov, V M 029865
Ippolito, F 021880
Iqbal, M 029880
Iqbal, Z 022164
Ireland, R R 025805
Irie, T 022211, 029540
Irish, W W 023821
Iritani, A 024145
Iritani, Y 024634
Iriuda, N 030270
Iriyama, K 025581
Irla, E 030124
Irwin, G D 021665
Irwin, J A G 027867
Irwin, R 026628
Isaacks, R E 023378
Isaak, D D 024576
Isaev, M I 026498
Isaeva, R P 025209
Isaka, M 021938
Ise, N 025461
Isebrands, J G 025172
Ishankulov, Kh 027506
Ishay, J 029380
Ishbaev, A I 026504
Ishibashi, T 024131
Ishida, K 023571
Ishida, M 026351
Ishida, S 028519
Ishida, T 021861, 022884, 030433
Ishida, Y 030905
Ishiguro, S 023345
Ishii, H 030212
Ishikawa, S 021254
Ishikura, H 029097
Ishima, Y 026816
Ishino, S 024483
Ishiy, T 028768
Ishizaki, A 025014
Ishizaki, H 029716
Ishizuka, K 026344
Ishmael, D 022046
Iskandarov, S 026473
Iskenderov, G B 026498
Islam, K S 024740
Islam, M S 026314
Islam, R 022954
Ismail, A A 022617, 027722
Ismailov, Z F 026482
Ismatov, R 030684
Ismukhambetova, A K 026261
Isobe, M 029838
Isogai, A 029716
Israel, A 024765
Israelewski, N 029302
Issel, C J 024587
Isshiki, Y 023577
Istas, W 025225
Itagaki, K 025002
Itai, A 026512
Itakura, C 024874
Itakura, Y 026340
Ito, H 021932, 025430
Ito, K 028519
Ito, S 022883, 024627, 024654, 024656, 025037, 025710
Ito, T 022684, 027012, 029717
Ito, Y 026015
Itoh, N 026519
Itoh, T 022517
Iuchi, Y 025881
IUdakhin, P G 030256
IUgov, V G 025445
IUnusov, F 027788
IUnusov, M R 028001
IUrchyshyn, V V 021451
IUr'evich, S A 025299
IUzikaev, G G 030674
IUzikaev, Sh G 030674
Ivakhnenka, N M 030560
Ivan, F 029896
Ivanchenko, G Z 026252
Ivanesku, D 025518
Ivanics, A 021295
Ivanikov, S P 025246
Ivanitskii, K I 028100
Ivanou, M P 030560, 030626
Ivanov, A I 025568
Ivanov, A N 030137, 030138
Ivanov, IU A 026270
Ivanov, IU V 028632
Ivanova, L A 023035
Ivarsson, I 022897
Ivchenko, V V 022837
Ivens, G W 028564
Iverson, W D 021194
Ivshina, N N 029180
Iwahori, S 027143
Iwai, J 026343
Iwamasa, M 027100
Iwamura, H 027012
Iwanami, Y 027282
Iwasaki, R 030358
Iwasaki, Y 026984, 027099
Iwaski, K 023066
Iwata, F 026961
Iwata, N 023231
Iwata, T 028759
Iwatsuka, H 022139
Iyemperamal, S 028717
Iyemperumal, S 027395
Iyengar, M N S 030474
Iyer, C P A 028374
Izak, G 022007
Izakovic, A 026880, 029893
Izumi, T 024252
Izvekova, L M 028635
Jacini, G 022818
Jackman, R H 027397
Jackson, C H 022952
Jackson, D S 023288
Jackson, E D 023507
Jackson, J C 026082
Jackson, J P 025012
Jackson, M B 029852
Jackson, P 023849, 024160
Jackson, R F 024750
Jackson, W G 027497
Jacob, M 022110, 026782
Jacobs, J A 022700, 022705, 023636
Jacobs, J J 026385
Jacobs, J M 021357
Jacobs, M 026795
Jacobs, N F Jr 024595
Jacobs, S W L 025956
Jacobson, A 026086
Jacobson, D R 023756
Jacobson, J S 026622
Jacobson, R H 024576
Jacotot, B 023605
Jacqmain-Goldsmit, E 021964
Jacqmard, A 026865
Jacquemin, H 026784
Jacques, R L 028642
Jaeger, O 024800
Jaffe, L A 027192
Jaffe, M J 027017
Jaffee, L F 027192
Jagadeesh, H N 025383, 025384
Jager, H J 025025, 027115
Jagos, P 023669
Jagusch, K T 021428, 023618, 023830
Jah, A M S 028296
Jahn, T L 026661
Jain, A P 028458
Jain, G L 024075
Jain, N C 024333, 025385
Jain, N K 027393
Jain, V K 026824, 027764
Jakel, A 023676
Jakob, P 030006
Jakobsen, P E 023677
Jakobsen, S T 030438
Jakubowski, J 022623
Jalihal, K A 021113
Jamaluddin, 028079
James, A P 026220
James, D 024706
James, D W 028454
James, E A Jr 024782
James, G M 022645
James, M T 029629
James, R N 025217
James, W H 023748
James, W L 025531
Jamieson, G R 026767
Jammes, Y 023377
Jamroz, D 023808
Janagarajan, A 028717, 030451
Janardhan, A 028233
Janave, M T 022949
Janci, J 025523
Jand, S K 024650
Jander, R 029232
Janicek, G 022523
Janicek, J 027058
Janicki, J 023053
Janin, P 029376
Janitz, W 021953
Jankowski, J 027034
Jankus, E F 024818
Janovec, J 030547
Janowska, E 021953
Jansen, J 024733
Jansen, J D 029096
Jansen, M H 027646
Janson, C G 027459, 030693
Janssen, R 024367
Janssens de Varebeke, P L 027250
Jansson, S 022897
Janus, M 021293
Jaramillo, L R 030345
Jarasch, E D 027193
Jarboe, G E 024966
Jarchovska, H 021979
Jarosz, J 029426
Jarrett, J A 024504
Jarvis, A N 021872
Jarvis, C 022889
Jarvis, L R 026028
Jarvis, W R 027927, 027934
Jasinska, Z 027042
Jatkar, P R 023434
Jauffret, F 028879
Jawitz, J 026199
Jaworski, E G 027036
Jay, S C 029826, 029829
Jaya, T V 022179, 022183
Jayaramaiah, K M 027407
Jayaraman, M S 024568
Jayawardena, A W 030663
Jaycox, E R 029806
Jayne, H T 030416
Jaynes, J M 027138
Jean, A 030849
Jeanmart, J 026821
Jeantet, A Y 029433
Jedrychowski, L 022623
Jeffcott, L B 024329, 024614
Jeffries, P 025945
Jeffs, P W 026982
Jelem, H 025051, 025052
Jellinek, M 023204
Jellis, G J 027900, 028047
Jen Chou, C H 024588
Jeneskog, T 023187
Jenicek, V 021767
Jenkens, D C 024665
Jenkin, H M 029442
Jenkins, D J A 021999
Jenkins, Dianne E 022283
Jenkins, J N 028726
Jenkins, M Y 024971
Jenkins, R W Jr 026970
Jenkinson, D M 023342
Jenkyn, J F 027902, 030479
Jenneskens, P J 022584
Jennings, B 023355
Jennings, D T 028919
Jennings, N E 025097
Jennings, R W 029104
Jennings, V M 028539, 028540
Jensen, A H 023765
Jensen, B C 030790
Jensen, C 025564
Jensen, E H 027377
Jensen, F E 021473, 021513
Jensen, R G 022150
Jensen, R L 028724
Jensen, U 025369
Jeon, Y 024693, 024695
Jeon, Y S 024696
Jeong, H J 030334
Jeong, S J 024693
Jepsen, N M 027031
Jerie, P H 027122
Jermyn, M A 026386, 027123
Jesiotr, E 030406
Jeska, E L 024609
Jesse, E V 022870
Jessep, C T 028558
Jezernik, R 021571
Jha, H N 024317
Jhamb, S 026112
Jiang, K S 026756
Jih, F 023471
Jilaveanu, A 028276
Jilek, F 024404
Jiu, J 026461
Jochle, W 023978, 024005
Jodal, I 028957
Jodal, M 023179
Johannson, M H 025415
Johansen, C 026387
Johansen, C A 029830
Johanson, R 025361
Johansson, H 023187
Johar, K S 023338
Johns, S R 026384
Johns, W III 023770
Johnsen, D O 022039, 024675
Johnson, B F 026220
Johnson, B J 028489, 028617
Johnson, C 029695
Johnson, C G 021194
Johnson, C R 030526
Johnson, D M 029319
Johnson, D W 024823
Johnson, F K 022071, 022072
Johnson, H D 024100
Johnson, J 026001, 027699
Johnson, J E 021682
Johnson, J H 024380
Johnson, J J 024927
Johnson, J L 021423
Johnson, L A 024118
Johnson, L E 022939
Johnson, L M 021374
Johnson, N M 022233
Johnson, Nancy E 022102
Johnson, P 023543, 029251
Johnson, P W 028345
Johnson, R 027897
Johnson, R C 024530
Johnson, R D 029153
Johnson, R P 024872
Johnson, Ronald D 022271
Johnson, S 024724
Johnson, S H III 021368
Johnson, W L 029217
Johnson, W S 026759
Johnson, Z 023016
Johnston, A 027384
Johnston, D W 029152
Johnston, G A R 022526
Johnston, G ed 022655
Johnston, G R 028232
Johnston, G W 023720
Johnston, H W 027931
Johnston, S 023504
Jolly, R C 022590
Jolly, R D 024836
Jolly, R W 021771
Joly, A B 025683
Joly, L 029270
Jomain-Baum, M 023487
Jonak, F 028591
Jonas, H 026861
Jonas, R 023395
Jones, B A 023829
Jones, C D R 023513
Jones, C J 023280, 029073
Jones, C T 023543, 024107
Jones, D L 027110, 027118
Jones, D R 028049, 028063
Jones, E A comp 021160
Jones, E B G 025377
Jones, E W 024465
Jones, G A 023357
Jones, J B Jr 030462
Jones, J E T 024668
Jones, J P 028866
Jones, J R 025263
Jones, J W 026853, 028726
Jones, L A 021907
Jones, L N 022646
Jones, L S 030462
Jones, P H 025176
Jones, R F 026446
Jones, R L 027037, 028722
Jones, R S 024873
Jones, S B Jr 025672
Jones, T R 027122
Jones, T W 025254
Jones, W O 024429
Jong, F H de 024106
Jonge, A J R de 030230
Jonquet, Y 029535
Jonsson, E 030886
Jonsson, G 024253
Jontschewa, N 022522
Joo, H S 024685
Joo, K R 030115
Joo, P K 023208
Jordan, E G 026005
Jordan, J E 023275
Jordan, M J 028344
Jordan, R A 029836
Jordan, R M 024967
Jordan, W J 030252
Jorden, R M 030932
Jordovic, M M 028198
Jordy, A 024402
Jorgensen, O F 029509
Jorgensen, P F 023195
Jori, J I 030093
Josan, A S 030483
Josefsson, E 022147
Joseph, A 021616, 021961
Joseph, B M 024109
Joseph, C 027225
Joseph, K T 023435
Joshi, B C 023138, 023442
Joshi, B P 024843
Joshi, D C 026980
Joshi, L M 027935, 027939
Joshi, O P 029140
Joshi, P C 023138
Joshi, P P 026840
Joshi, T P 024546
Joshi, Y C 026180
Jost, P 024876
Jotani, Y 025716
Joubert, T G la G 027662
Joussellin, W 023789
Jousset, B 024001
Jousset, F X 029225
Jouvet, M 023350, 023409
Jovic, D 025062, 025251
Joyce, B E 022039
Jpppa, L R 026119
Jubb, G L Jr 028891
Judd, R W Jr 027162, 027727, 028508, 029091
Juhasz, A 030734
Julia, R 022661
Juliani, M H 026225
Junge, C E 029178
Jungehulsing, H 030422
Junghans, R P 024671
Jungreis, A M 029725
Junker, A 022554
Junker, S 026030
Junot, M 029857
Junqua, S 023606
Jurecka, A 027549
Jurmanova, K 024793
Jury, W A 027102
Jurzysta, M 026875
Just, I 024423
Just, R E 021673
Jutsum, A R 029418
Kaattari, S 024530
Kaback, D B 026339
Kabakhidze, D M 028119
Kabalaliev, V 025042
Kabalkina, N A 026313
Kabanov, V A 029475
Kaburaki, S 026344
Kachecheba, J L 028309
Kachroo, P 026807
Kachur, O T 026276
Kadam, S S 026966, 026967
Kaddah, M T 030348
Kadentsev, V I 026430
Kader, J C 026774
Kadota, H 030905
Kadota, J 027716
Kadoum, A M 029149
Kadu, M S 024848
Kaesberg, P 028246
Kafatos, F C 029203
Kagamiyama, H 026350
Kagira, C N 026318
Kahlhofer, H 022607
Kahn, V 028385
Kaidash, A S 028014
Kain, W M 028778
Kainuma, K 022747
Kairon, M S 030646
Kais, A G 028053
Kaiser, A 022742
Kaiser, F 029718
Kaissling, K E 029417
Kajiwara, T 026883, 027985
Kajkonwar, C K 024849

Kajtar-Peredy, M 026844
Kak, S N 026135
Kakidaira, G 030185
Kakkar, L 026050
Kako, K J 023283
Kako, Y 022648, 024048, 024049, 024050
Kakpakov, V T 029317
Kaku, K 030174
Kalashnikov, D A 023170
Kalashnikova, N V 026260
Kalatozova, G B 030375
Kalbac, M 024439
Kaldare, E F 028472
Kalendro, E L 023035
Kaleshka, V I 030626
Kali, J 023819
Kaliasen', V P 023668
Kalinichenko, A N 028287
Kalinkin, D A 025338
Kalita, E F 026249
Kaliuzhnyi, M IA 022438, 026007
Kalix, P 023593
Kalkschmidt, J 030062
Kalman, H 022441
Kalman, L 026158
Kalmykov, V R 030384
Kalnin'sh, A IA 025327
Kalous, F 024758
Kalsbeer, H C 024326
Kalsner, S 023319
Kaltenbach, C C 023634, 024194, 024197
Kalthoff, K 029507
Kaltsikes, P J 026108, 026109
Kalugin, E N 025349
Kalyanasundaram, N 025423, 025424
Kam, M de 027951
Kamalanathan, G 022112
Kamalov, K 028745, 029601
Kambegawa, A 023565
Kamei, K 023346
Kamen, C S 030794
Kamenshchikova, S V 022835
Kameraz, A 026210
Kamerbeek, G A 027625
Kamerman, W 028123, 028124
Kameswara Rao, N S V 030354
Kametani, T 026634
Kamienska, A 027335
Kamihara, T 026591
Kamilov, Kh M 026502
Kaminska, M 028203
Kaminski, A 029176
Kaminski, D L 023204
Kaminski, E 025627
Kamiya, H 024624
Kamm, J J 022032
Kammen, A van 028243
Kammer, F 025685
Kammerlehner, J 022618
Kamo, H 024623
Kampers, W 022374
Kampert, M 027303
Kampine, J P 023464
Kamprath, E J 026896
Kan, M 030066
Kanamitsu, M 024594
Kanamori, T 026590
Kanasaki, Y 025271
Kanauchi, A 021254
Kancheva, L 024057
Kanda, T 029039
Kandler-Singer, I 029507
Kandratenko, E S 026508
Kandybin, N V 028466
Kaneda, Y 024138
Kaneiwa, Y 026518
Kaneko, K 027493
Kaneko, S 024484
Kanezaki, E 026511
Kang, B J 024685, 024690, 024692
Kang, B T 030439
Kang, I Y 027307
Kang, T H 023880, 023881
Kang, T I 023644
Kanner, J 022926
Kanno, S 025417
Kanow, P 021083
Kant, S 026807
Kanunov, I K 027845
Kanwar, J S 030466
Kanzaki, M 023784
Kao, I C 022385
Kao, K N 026111
Kapikian, A Z 022014
Kapil, R N 025930
Kapner, L 022051
Kapoor, A C 027018
Kapoor, P 028542
Kapost, V IA 030495
Kapralov, S I 028633
Kaprel'iants, L V 023033
Kapur, O C 030222
Kapyla, M 025600
Kara, H 022828
Karacalioglu, T 025514
Karakhanov, O M 027439
Karakoltsidis, P A 022918
Karakoz, I 024523
Karaman, L 027540
Karamanos, R E 030821, 030898
Karamyshev, V P 021404
Karandinos, M G 029328
Karaoulanis, G 027626
Karasawa, Y 023574
Karaskova, M 022555
Karataglis, S S 025609
Karawya, M S 026623
Karbysheva, E A 026687
Karczmarczyk, S J 028492
Kardashin, B M 027581
Kardatzke, M L 029025
Kardoules, A 022650
Karel, M 022453, 022457, 022464, 022496
Kargar-Moaakhar, R 024436
Kargov, V A 025040
Karimian, K 026750
Karkas, J D 029397
Karl, E 028638
Karlowski, T R 022014
Karlsson, B W 023449
Karnatz, A 027084
Karryev, M O 026618
Kartashov, I I 024388
Kartashova, E R 027950
Kartchner, R J 023855
Karuppiah, P 022112
Kasahara, K 022409, 022412
Kasai, A 021932, 025430
Kasang, G 029840
Kashaev, B A 030137
Kashin, P 029025
Kashkarov, A K 027431
Kashkin, A P 024651
Kashkina, M A 024651
Kasimatis, A N 022875, 027698
Kasimov, V K 025131
Kassulke, R C 028521, 028659
Kastanek, C 029145
Kastanek, O 030004
Kastner, C L 022681
Kaszynski, J 023808
Katagiri, K 028942
Katan, J 025984
Katan, T 026551
Katano, K 026514
Kataoka, K 022744
Katayama, T C 026911
Katekar, G F 027260
Kates, K C 024754
Kates, M 026927
Katic, Z 022800
Katiyar, O P 028861
Katko, A 030854
Kato, A 026340, 026978
Kato, K 026655, 030929
Kato, R 025203
Kato, S 023573
Kato, T 026055, 026515, 027973
Katoch, B S 024964
Katoch, D C 027419
Katoch, R C 024565, 024964
Katoh, H 021938, 026388
Katona, P G 023471
Katrabassa, M 025610
Katsoyannis, P G 023504
Katsube, Y 024632
Katsuki, H 026591
Kattaev, N Sh 026476
Kattnig, R M 022704
Katz, E P 023533
Katz, J J 026928, 026929
Katz, P C 022403
Katzenberger, R 027687
Katznelson, J 027413
Kauffeld, N M 029723
Kaufman, P B 027020
Kaufmann, M R 027336
Kaufmann, W 023703
Kaul, B L 026135
Kaul, R 027064
Kauppila, A 030586
Kaushik, B D 029916
Kaushik, R K 024844
Kaushish, S K 024077
Kauts, A 023743
Kautsky, M P 023505
Kautter, D A 021914
Kavaleuski, K M 022714
Kavathekar, K Y 026532
Kaverin, A M 030982
Kavtaradze, G G 023171
Kawabata, S 023874
Kawabe, K 027220
Kawabe, M 026997
Kawaguchi, H 024621, 024631, 024633
Kawaguchi, K 026343
Kawahara, T 030249
Kawai, T 029864
Kawaida, K 027144
Kawamata, T 026512
Kawamoto, S 026554
Kawanabe, S 026994, 026995
Kawanishi, N 024142
Kawasaki, T 026511, 026849
Kawasawa, T 029542
Kawase, Y 027973
Kawata, J 027619
Kawato, S 027463
Kawooya, J 029333
Kay, B L 026354
Kay, H 021869
Kaya, A O 028794
Kaya, H K 028948
Kays, S J 027188
Kayser, G 023965
Kazanskaya, N F 023309
Kazantsev, G M 025453
Kazantseva, V N 026615
Kazarnovskii, A M 025328
Kazarov, S A 030657
Kazartsev, I S 030083
Kazhieva, N T 025743
Kazimierska, E M 025577
Kazimierski, T 025577
Kazlouskaia, M P 030558
Kaznadzei, V V 026288
Kazushchik, V G 025342
Keane, M G 024086
Kearby, W H 029287
Kearl, L C 023860
Kearney, B 021716
Kearney, P C 029123, 029130
Keaster, A J 028711
Keating, H J 026977
Keatinge, W R 023591
Kedar, N 027200
Kedenburg, C P 024251
Kedves, M 025796
Keen, R M 023588
Keenan, E 023275
Keenan, T W 027193
Kegasawa, K 028430
Kegler, H 028305
Kehrle, A 029788
Keighery, G J 026651
Keim, R 027915
Keimer, B 021192
Keirse, M J N C 023514
Keisling, T 030652
Keister, T D 025144
Keith, E A 023694
Keith, J 030743
Keith, J M 023723
Keith, M O 023540
Kekilova, A F 029602
Kelemen, P 026879
Keller, E 027149
Keller, H 021387
Keller, J J 022635
Keller, W 024337
Keller, W J 026714
Kellerth, J O 023188, 023192
Kelley, A D 028615
Kelley, C J 024943
Kelley, W D 026455
Kellogg, F E 024608
Kellogg, R M 025512
Kelly, B B 026427
Kelly, C B 027821, 028347
Kelly, K A 023210
Kelly, M G 030817
Kelly, S B 030728
Kelman, A 028415
Kelsey, L P 029607
Kelsey, M 021298
Kemertelidze, E P 026474
Kemp, C L 026459
Kemp, E M 025760
Kemp, J D 022674, 028134
Kemp, M C 024763
Kemp, R L 024452
Kempen, H M 028526
Kempeneers, L 027498
Kemper, A 023252
Kempster, T 021956
Kempton, A G 021862
Kempton, P E 025773
Kempton, R J 027071
Kenaga, E E 029179
Kendall, J Z 023543
Kende, A S 029108
Kendrick, J B Jr 021087
Kendrick, J W 024226
Kendrick, R E 027279, 028077
Keng, H C 022186
Kennaway, D G 024130
Kennedy, B W 024099
Kennedy, D A 028555
Kennedy, G 021478
Kennedy, J M 028494
Kennedy, J P 024033
Kennedy, N C 030903
Kennish, A 023461
Kenworthy, A L 030718
Kenyon, R H 024574
Keogh, R G 024506
Keppeler, R A 028339
Keramidas, V Z 030898
Kerbabaeva, A 027989
Keresztesi, B 025023, 025248
Kerimova, M G 026263
Kerkadze, I G 028097
Kern, A D 028619
Kerner, G 025374
Kerney, J M 022481, 029794, 029795
Kerr, G R 022005
Kerr, M A 026401
Kerr, P C 026547, 030856
Kerr, R A 029970
Kerr, T C 021477
Kerr, W E 029800, 029809
Kers, L E 025825
Kershaw, D J 028037
Kerster, H W 026161
Kessler, H G 022454
Kessler, S 029209
Kesterson, J W 022932
Kestner, J 021690
Kestner, J comp 021691
Ketola, H G 023823
Kettle, D S 029611
Ketzler, E F 021943
Keulder, H F 023690
Keusters-Klasens, M 024731
Kevan, P G 029094
Key, J L 026043
Key, P K 024612
Keys, R D 027268
Keys, W 029903, 029904
Kezdy, F J 029202
Khafizov, R Kh 022215, 023944
Khalaf, K Y 030204, 030205
Khaldre, Kh 030120, 030121, 030962
Khalilov, IU S 030490
Khaliman, E M 030087
Khallyeva, K 026971
Khamaza, F I 022825
Khamdamova, T U 026854
Khan, A A 027026, 027270
Khan, A G 024045
Khan, F 022161
Khan, F H 024079
Khan, L T 030071
Khan, M I 026906, 029938
Khan, M N 024848
Khan, S U 028500
Khandekar, P R 021108
Khandelwal, G L 028375
Khanduja, S D 027696
Khangel'dyev, A 023451
Khanna, S S 028364, 030314
Kharchenko, N A 028966
Kharchenko, P 029844
Kharchenko, S M 025005
Khare, B P 028656
Khare, K B 027948
Kharebava, L M 030538
Khariton, Kh Sh 027314
Khariton, M Sh 022832
Kharlampovich, G D 025341
Khasanov, N Kh 025201
Khasanov, T Kh 026499, 026500
Khashimov, A M 026503
Khavkina, N V 030291
Khazanovich, R L 026484
Kheirallah, A M 029331
Khel'man, L V 028289
Khizantsian, S M 022988
Khmelevskaia, M A 028912
Khodzhaev, B U 026483
Khodzhaeva, M A 026482
Khokhlin, I F 025320
Kholdorov, U Kh 027845
Kholenkov, N S 021822
Kholodenko, V P 026552
Khonnolainen, G I 030287
Khoperiia, R 022541
Khorev, M I 024272
Khoriak, L A 026675
Khoron'ko, A T 026490
Khorshid, M A 022617
Khosa, R L 026609
Khosla, B K 030247
Khrapkovsii, A I 021460
Khrapov, I F 028907
Khrapova, N G 022214, 022220
Khrenekova, E 030613
Khrolinskii, L 028878
Khuong-Huu, F 026717
Khurtsidze, A L 030374
Khusainov, I I 023682
Kibal'nikov, N I 030129
Kibler, R F 024588
Kido, K 028733
Kiefer, G W 022046
Kiefer, J 026227
Kielwein, G 021947, 021950
Kieninger, H 022542
Kiermeier, F 021981, 022618
Kiersnowski, J 022822
Kierych, E 029618
Kiesl, W 030199
Kiger, R W 025812
Kihara, T 024979, 025002
Kiho, Y 028240
Kikkawa, M 022731
Kikuchi, M 026657
Kikuchi, S 023781
Kikuchi, T 023780
Kilchemann, H R 025084
Kilcher, M R 023019
Kilgore, Lois T 022124
Kilgour, R 024177
Kilian, W 025051, 025052
Kim, A N 030678
Kim, D H 024686
Kim, D N 023403
Kim, D S 024693
Kim, H S 023881
Kim, H Y 030115, 030117
Kim, I H 027825
Kim, J C S 024635, 024784
Kim, J H 022972, 024696
Kim, J K 024204, 024205
Kim, J P 029855
Kim, K M 029855
Kim, K S 023880
Kim, S C 024203
Kim, S H 026812
Kim, S J 024687, 024688, 024689, 024691
Kim, S R 030117
Kim, S Y 022974
Kim, V I 025204
Kim, Y H 022533, 022971, 022972, 024686, 027287
Kim, Y J 022627
Kim, Y S 022814
Kimbrough, J W 025982
Kimbrough, R D 029104
Kimmel, J R 023478
Kimmins, W C 028260, 028262
Kimura, N 023576
Kimura, R 029776, 030214
Kimura, S 029839
Kinasz, W 030828
Kind, R E 024393, 024394
Kinden, D A 025995
Kinder, J E 024095
Kindle, K 026149
Kindlmann, M 027705
Kindt, T 023622
Kinet, J M 026865
King, C G 022030
King, C G ed 022045
King, C J 022443
King, D J 027727
King, G J 024031
King, J 026924
King, J O L 023786
King, P D 028783, 028784
King, W D 022840
King-Roach, A P 022160
Kingsford, M 026688
Kingsley, K K 028516
Kingsley, N P 025169, 025170
Kingsolver, J M 025801, 029707
Kink, Kh 030612, 030723
Kinkade, M L 030650
Kinraide, T B 026792
Kinsella, John E 022120
Kinsinger, R A 028975
Kinsman, D M 022668
Kinsman, L T 026801
Kinter, W B 024950
Kinzelbach, R K 029690
Kiprianov, A I 025319
Kiraly, P 025691
Kirby, J S 026999
Kirchgessner, M 022849, 023601, 023952, 023954, 023966, 024935
Kirchner, K 021841, 029082
Kiril'chuk, P P 028908
Kiriukhin, V G 030137, 030138
Kiriushin, V A 030084
Kirk, J H 024218
Kirk, M 027140
Kirk, R D 023699, 023700
Kirkebo, A 023182
Kirkland, A 025150
Kirkman, H 025872
Kirkpatrick, R L 024225
Kirley, T 030061
Kirov, A M 025343
Kirsanov, G P 028005
Kirsch, R E 022009
Kirschling, P J 021473, 021513
Kirson, I 026635
Kirtland, D 023818
Kirtoka, I Kh 026138
Kir'yalov, N P 026509
Kiseleva, V 027211
Kishi, K 027995
Kishi, Y 028949
Kishore, C 026182
Kishore, K 029483
Kiskin, P Kh 028912
Kislitsyn, A N 025320
Kislykh, E E 030286
Kiss, I 029508
Kiss, Mrs I 030100
Kissick, K P 023156
Kissinger, J C 022682
Kitagawa, K 025271
Kitagawa, M 026514
Kitahara, K 026642
Kitajima, M 027136
Kitajima, Y 026015
Kitamura, H 030926
Kitamura, Y 024624
Kitsos, G Th 028365
Kittock, D L 027056
Kitts, W D 023654
Kiupel, H 024648
Kivakar, N G 027179
Kiyosawa, K 026822
Klaassen, H E 029149
Klaassens, K 021316
Klaiber, E M 022116
Klapwijk, D 027607
Klapwijk, P M 030230
Klarman, L 022069, 022070
Klas, F 029919, 029930
Klatzmann, J 021776
Klautschek, G 023268, 024028
Klazinga, W 023589
Kleczkowski, K 027034
Kleeberger, A 021984, 022620
Kleiman, R 026666
Klein, P 030199
Klein, R E 022074
Klein, S 022555
Klein, S M 027138
Klein, W 030884
Kleinhempel, H 028305
Kleinig, H 027276
Kleinjan, J E 029323
Kleinwort, E 027768
Klempp, J 024273
Klenczner, A 021273
Klets', S A 028455
Kletzien, R F 024498
Kliewer, I O 024465
Kliewer, W M 027698
Klimes, B 024760
Klimov, A G 025446
Klimov, G B 030081
Klimov, O 027783
Klindt, J 024198
Klingbeil, G C 027586
Klingler, J 029290
Klingman, D L 028517
Klinskii, IU D 024262
Kliszczewski, W 023193
Kliuikov, V F 021348
Kliushkin, E A 025554
Klobecova, T 025521
Kloczowski, Z 026170
Klopfer, J 021875
Klopp, S 024451
Klose, A 028106
Klose, F 025086
Klostermeyer, H 022614
Klotz, L H 025938
Klotzer, D 025374
Kluger, F 030199
Kluger, M J 023545
Klun, J A 028728, 028734
Knapo, A 029715, 029894, 029895
Knapp, E M 022671
Knapp, J E 026562, 026711, 026718, 026749
Knapp, R D 021525, 021534
Knapp, W R 023012
Knauer, N 029923
Knauer, T E 022140
Knauff, O 022751
Knecht, C D 024926
Knee, M 026042, 027251
Knezek, B D 030331
Knight, C A 024671
Knight, D C 023469
Knight, M K 022028, 022039
Knight, P J 028396
Knight, R J Jr 026079
Knighton, J 029853
Knights, B A 027239, 027252
Knights, G 023871
Knijff, P C 024731
Knobling, A 026555
Knoop, A M 022615
Knori, L 023149, 023647, 023905, 023907

Knowles, B B 024670
Knowles, M E 022509
Knowles, R 025992
Knowles, R L 025054
Knox, J R 026736
Knusli, E 029175
Kobara, R 029864
Kobayashi, A 026349
Kobayashi, H 023415
Kobayashi, J 022593
Kobayashi, K 024484, 026101, 028214
Kobayashi, N 027983
Kobayashi, Y 023685
Kobayasi, Y 025715
Kobel, F 030407
Koblet, W 027835
Kobrehel, K 026110
Kobylinski, G J 029088
Kobziev, V S 021452
Kobzieva, L M 021452
Koch, H 027173
Koch, R B 029021
Kochansky, J 029417
Kochkareva, A V 029020
Kochman, J K 028051
Kochubei, S M 027131
Kockritz, T 022868
Kodama, K 026642
Kodani, Y 030378, 030624
Koehler, J K 024098
Koehn, R D 025976
Koek-Noorman, J 025576
Koenig, E 021517
Koga, H 028445
Koga, K 022647
Koga, T 026590
Kogan, I S 022836
Kogan, M 028840, 029336
Kogan, V B 025352
Kogel, S 024234, 024280
Koh, T S 023782, 023783
Kohase, M 024419
Kohlenbach, H W 026560, 026860
Kohler, G O 022775
Kohler, U 027772
Kohman, P 026003
Kohmoto, K 027982, 028045
Kohno, S 024419
Kohut, I D 026310
Koibuchi, K 027350
Koiso, Y 026516
Koivikko, A 025600
Koizumi, T 022778
Kojima, A 024630
Kojima, C 025015
Kojima, M 022648, 024048, 024049, 024050
Kojima, Y 024104
Kok, A de 022423, 022424, 022425
Kok, L T 028514
Kokas, G 027594
Kokles, R 024412
Kokuuslu, C 024860
Kolakowski, E 022521
Kolar, J 024920, 028591
Kolasinska, I 026169
Kolattukudy, P E 027271
Kolb, E 023251, 023253
Kolbe, G 030500
Kolbert, C F 021199
Kolchin, G A 025341
Kolesik, S A 028021
Kolesnik, N D 027437
Kolesnik, T I 026946
Kolesnikov, V 028524
Kolhmeyer, J 025626
Koliago, V K 021824
Koljonen, T 030892
Koll, F 029910
Koller, G 029906, 029917, 029918, 029921, 029925, 030936
Koller, L D 024939
Kolling, K 024255
Kollmann, R 027276
Kolmodin, H 025483
Kolobaev, A N 030755
Kolodej, A 023258, 023614
Kolodner, R 026629
Kolomatskii, A V 026248
Kolosenkova, A V 025305
Kolotova, V I 024387
Kolpikova, N M 025199
Koltsa, M N 027314
Komada, H 030210
Komarnitskii, N S 025447
Komatsu, K 022414
Komazawa, K 021932, 025430
Komberec, S 029982
Komissarenko, N F 026478
Komissarov, G G 026539
Komissarov, N P 023086
Komiszar, L 027847
Komiya, H 022869
Komiya, K 026643
Kommunar, G M 030752
Komnick, H 029419
Komolpith, U 028674
Komori, T 026849
Konarkowski, A 023053
Kondo, K 024622
Kondratenko, E S 026507
Kong, S J 022972, 022973
Kong, Y M 024532
Kongthon, S J 024674
Konig, F 028412
Konig, K 028355
Konijn, T M 026814
Konik, B T 021969
Koning, J W Jr 025504
Konishi, T 024628
Konlande, J 023602
Kono, C S 024333
Kono, M 027049
Kono, Y 024842
Kononenko, A I 026136
Kononenko, A P 028762
Kononov, V I 030766
Konopleva, N R 025304
Konoshima, T 026654
Konovalov, V I 023955
Konstantinov, S I 026139
Kooij, J G van 021577
Koong, L J 023626
Koop, H U 026819
Koponen, T 025603, 025604
Kopova, L 030489
Kopperschlager, G 026553
Kopriva, J 027552
Kopytina, T M 027521
Korber, R 023253
Korcek, M 023940
Kordelas, A G 028837
Koreeda, T 024626
Korenaga, T 021323
Koreshchuk, K E 026467
Korla, B N 026183
Kornegay, E T 023762, 023765
Kornel, D 024846
Korner, W F 022021
Kornienko, A S 028115
Kornilov, A A 026271
Kornilov, A V 028482, 028912
Kornilov, B A 030763
Korobatov, V A 028527
Korobeinikova, A V 028112
Korobov, V V 025452
Korochkin, L I 029465
Korodi, L 027631
Koroleva, M E 025327
Korotko, V M 030137
Korotkov, V M 030138
Korotova, O N 025319
Korovin, G N 025124
Korovin, V A 025126
Korsos, E 029714
Kortam, M A 027062
Korte, F 029136, 030877, 030879
Kosakai, H 025942
Kosar, W F 027691
Kosarev, N G 025709
Kosatyi, N N 022832
Kosek, A 021812
Koshkelova, E N 027990
Koshkin, V D 025344
Koshland, D E Jr 026405
Koshy, K T 029111
Kosikowski, F V 022590
Kosir, M 029474
Kosiukova, L V 025304
Koslowsky, L 022540
Kosmack, U 024282
Kosmat, H 030425
Kosmovskii, IU A 026247
Kosov, G F 030084
Kostelkova, E 022851
Kostenko, L O 024387
Kostenko, V G 025315
Kostenkova, A F 030291
Koster, P B 022859
Kostousova, M N 030985
Kostrikin, I A 027854
Kosztarab, M 028920
Kotaiah, T 024078, 024161, 024162
Kotani, T 024626, 024629
Kothbauer, O 023674
Koths, J S 027162, 027727, 028351, 030021, 030022
Kotko, I K 026262
Kotlyarevskaya, N V 023168
Kotob, M A 027202
Kotov, IU V 021402
Kotova, K 026209
Kott, H 021904
Kott, L 030553
Kotter, L 022652
Kottke, M 021216, 021328
Kotula, A W 022668
Kotyk, A 026552
Kotzian, J 024364
Kouno, H 030378, 030624
Koutras, N 021864
Kovacevic, N 023413
Kovachik, A 026243, 026244
Kovacs, J 030104
Kovacs, K 022899
Kovacs, M 028600
Koval, C F 029328
Koval'chik, O R 023957
Kovalenko, A V 021827
Kovalenko, G I 026972
Kovalenko, I F 026257
Kovalenko, N P 030294
Kovalev, N F 025408
Kovaleva, L V 027168
Kovaleva, N V 022998
Kovalevskii, V S 030779
Koval'skii, V V 023947
Kovba, E V 021446
Kovrizhnykh, S A 030762
Kovrizhnykh, V V 027165
Kovtunenko, V F 028965
Kowalewitz, D 025368
Kowalewski, K 023258, 023614
Kowalski, D T 025642
Kowalski, S 026323
Kowarski, S 022012
Kownacka, M 029579
Kownacki, A 029579
Koyama, H 025710
Koyama, M 024979, 025002
Kozaki, M 026642
Kozera, W 026166, 027960
Kozhukhovskii, I P 022720
Kozisek, Z 029897
Kozlenko, V I 023957
Kozlo, M S 022823
Kozlov, P V 023451
Kozlov, V F 028964
Kozlova, A G 027185
Kozlova, E A 025346
Kozlova, G N 027580
Kozlova, G T 023034
Kozlowski, T T 027310
Koz'mina, K A 026272
Kozub, G C 030437
Kozyr, M F 030564
Kpekata, A E 030814
Kraak, V 030611
Krabec, J 024244
Kradel, D C 024360
Kraenzle, C 021328
Krafft, B 029374
Kraft, A A 021928
Kraft, V 024795
Krafting, L W 025060
Krainiuk, S M 027582
Kral, F 025847
Kramer, A 022419
Kramer, C Y 023762
Kramer, H J 030815
Kramer, J M 021658
Kramer, K J 029202
Kramer, L N 021184
Kramer, P 024106
Kramer, R A 029852
Kranz, J 028447
Krapyva, A P 027060
Krarup, A 027661
Krarup, N 023183
Krasavina, E P 025311
Kraskin, A IA 025338
Krasnykov, H A 024774
Krastin'sh, V P 023032
Krasuts'ka, N V 030748
Kratirov, O V 027434
Kratzer, F H 023375, 023809
Kraupp, O 023374
Krause, D 024240
Krause, G F 022669
Krauskopf, M 029249
Krauss, D 029439
Krauss, W C 024451
Krausslich, H 023659, 024235
Kravtsova, L A 026141
Krawiec, R W 026669
Krcmar, B 027449, 027549
Krcula, J 023194, 029991, 029994, 029995
Kreeb, K 028326
Krefft, R 022623
Krejcirikova, I 021236
Krell, D 026831
Krell, E 021418
Krendeleva, T E 027132
Krepkov, A P 026274
Kress, D D 023628, 024191
Krestan, E Sh 025330
Kretovich, V L 027133, 027134
Kreutzer, K 025189
Krey, A K 023304
Krick, T P 022516
Kriebel, W R 021592
Kriedemann, P E 027120
Krieger, R I 028378
Kriel, J B 022633, 022638, 022640
Krinner, L 029923
Krishna, G 023039
Krishna, G S R 030321
Krishna Murti, G S R 030303, 030315
Krishna, S S 029483
Krishnadoss, D 027395
Krishnaiah, K 028863
Krishnamoorthy, K K 022109, 030296
Krishnamurthi, M 026294
Krishnamurthy, K S 022179
Krishnamurthy, S 030354
Krishnamurty, H G 026741
Krishnan, R V 025425
Krishnaswami, L 026741
Kristensen, K K 024458
Kriuchkov, I V 023001
Krivchenko, V I 028012
Kriventsov, V I 027160
Krivi, G G 029250
Krivtsova, A I 025311
Krochko, J E 026857
Kroger, K H 030391
Kroger, M 022267, 023588
Krogman, K K 027385
Krogmann, D W 027191
Krogsgaard-Larsen, P 022526
Krolikowski, Z 026168
Kroll, J 022525, 028290, 028291
Kromann, R P 022670, 023759, 023862
Kronberger, W 028361
Kronenberg, H G 027745
Kronenberg, H M 023491
Kronlund, N 024226
Kroon, G H 029820
Kroppelin, D 025375
Kroth, W 030458
Krotkova, B K 030762
Krotova, L L 025405
Kroupa, J 021334
Krueger, C A 023265
Krug, H 022733
Kruger, R 022394, 022395
Kruger, W 028103
Kruger, W comp 028105
Kruggel, W G 022702
Kruip, T A M 023985
Krul, K G 022017
Krumrey, G 028511
Krupicer, I 024759
Krutskikh, B 027777
Kruyt, B 024810
Kruze, J 024799
Krylov, A V 028256
Krylov, B K 023000
Krylov, N A 025413
Krylov, N I 025317
Krylova, A I 030778
Krywienczyk, J 027916
Kryzhanovskaia, M V 029185
Krzechowska, M 026332
Krzeminski, S F 030923, 030924
Ksenofontova, D 030671
Ku, P K 023646, 023890, 023900
Ku, S B 026864
Kubadinow, N 022860
Kubicek, J 021359, 021360
Kubik-Dobosz, G 026337, 027092
Kubo, A 026514
Kubota, F 027494
Kubota, M 025431
Kubota, Y 022813
Kubutski, K 025625
Kuc, J 027977
Kuchenev, P V 023959
Kuchenkova, M A 026939
Kucher, O M 024773
Kucherenko, V D 030290
Kuchuhura-Kucherenko, N K 027301
Kuczala, Z J 023206
Kudela, V 028449
Kudimova, A Kh 025345
Kudriakov, K G 022719
Kudriashov, IU B 026854
Kudriavtseva, T S 025352
Kudrin, A N 022219
Kuhfuss, K H 026176
Kuhn, D T 029292
Kuhn, K 023435
Kuhn, N J 023281, 023282
Kuhnen, F 021202
Kuiken, L B 022154
Kuitert, L C 028811
Kukarskikh, G P 027132
Kukimura, H 027824
Kukita, F 026816
Kuksis, A 023413
Kulagin, E P 025320
Kulagin, IU Z 026871
Kulakov, K F 025212
Kulakovskaia, T 030499
Kulakowska, M 026957
Kulasiri, C de S 024501
Kulczycki, J 025021
Kuligina, M IA 030168
Kulik, N F 025213
Kulik, T 023073, 023074
Kulikov, I M 025343
Kulish, V P 030764
Kulkarni, B A 024555, 024556
Kulkarni, S M 022592
Kul'kevits, A IA 025327
Kullyev, P 029799
Kulshreshitha, D K 026747
Kulshreshtha, D K 026709, 027330
Kumamoto, J 027268
Kumar, A 023441, 024296
Kumar, J C 027178
Kumar, K 021758
Kumar, N R 027164
Kumar, P 030658
Kumar, R 024315
Kumar, S 025998
Kumar, V 030469
Kumase, N 023784
Kumazawa, Z 027012
Kume, T 024486, 024489
Kunc, D 024244
Kundu, G G 028358
Kung, S H 026941
Kunii, K 025880
Kunina, A I 025306
Kuninaka, A 026347
Kunisakp, J T 027109
Kunkel, G 025684, 025687
Kuntsevich, I A 030558
Kuntz, J E 028065
Kuntze, H 030691
Kuntzsch, E 027907
Kunz, W 029299
Kunze, L 028202
Kunze, O R 028443
Kupchina, S 026206
Kupfer, D 029092
Kupiec, B M 029534
Kupper, B 021450
Kuppers-Sonnenberg, G A 025562
Kuppuswamy, P B 024845
Kuran, H 026334
Kurdyumov, L D 030628
Kurek, M P 024058
Kurihara, S 023569
Kurihara, T 026657
Kurihara, Y 023426
Kurilo, N G 029187
Kurimoto, H 024622
Kurmozova, N V 025345
Kurogi, H 024657
Kurogochi, S 026341
Kuroki, S 025557
Kurooka, H 027298
Kurov, IU A 029983
Kurowski, J K 025682
Kurstak, E 028653
Kurtti, T J 029370
Kurtzig, M E 021492, 021503
Kurz, W G W 030190
Kurzynski, J 030832
Kusano, G 026660, 026734
Kuschke, J C 029052
Kusevska, M 028958
Kushizaki, M 027295
Kutaf'eva, N P 030503
Kutateladze, E E 028465
Kuthe, H W 029506
Kutschera-Mitter, L 028334
Kutsenko, A I 025335
Kuttan, R 022015
Kuttikrishnan, P 025383
Kuttler, K L 024720
Kutty, P R 022011
Kutzelnigg, H 025948, 025949
Kuum, IU 030721
Kuvaeva, E B 027133
Kuwabara, F 030360
Kuwano, G 030185
Kuwatsuka, S 027048, 030351
Kuzdzal-Savoie, S 022597
Kuzin, A K 030772
Kuzin, B A 029465
Kuzina, R M 023963
Kuz'menko, A V 028908
Kuz'min, B 030066
Kuz'mina, N P 030778
Kuznetsov, IU I 030130, 030135
Kuznetsov, L V 028025
Kuznetsova, I F 028116, 028120
Kuznetsova, IU 027996
Kuznetsova, M 027211
Kuznetsova, N F 029189
Kvalkovskii, T P 022824
Kvaratskheliia, T I 030129
Kvasnikov, B 028142
Kvasnikov, B V 026280
Kvasnikov, E I 022998
Kvizhinadze, G V 030129
Kwak, Y S 023403
Kwiecinski, A 023193
Kwolek, W F 028746, 028852
Kwon, H J 024685, 024690, 024692
Kyhos, D W 025584
Kyrou, N Ch 028366
Kytova, P A 026686
Kyuma, T 023780
Kzylkhodzhaev, S A 021403
La Grave, C W 021682
La Greca, M 029360
Laaksovirta, K 028330
Laane, M M 029352
Laba, B 021148
Labanauskas, C K 027047
Laberge, W E 029704
Laborda, F 026042
LaBore, D 023096
Labovitz, J N 028894
Labuda, D 026773
Labuschagne, J H 022637
Lacinova, J 024525
Lacoste, G 029447
Lacrampe, J L 022598
Lacroix, J L 030853
Ladan, P E 023958
Ladd, T L Jr 028664
Ladds, P W 024034, 024911
Ladizesky, M 022134
LaFollette, William R 022275
Lafon, J 026782
Lafon-Cazal, M 029432
Lafontaine, J D 029554
Laghi, L 022530
Lagrou, A R 023290
Lagutinskii, IU K 021290
Lahde, E 030586
LaHue, D W 028979
Laillier, C 021440
Laing, A 024233
Laitinen, M 022194
Lake, H J 023555
Lakhno, E V 022217
Lakin, A L 022787
Lakshminarayanan, T 030246
Lal, H 022172
Lal, L 028861
Lal, N 030457
Lal, R 028846
Lal, S 026184
Lalid, K 027800
Lalitha, K 029371, 029372
Lalonde, M 025992
Laloux, T 021595
Lamant, A 026704
Lamas, J M 025077
Lamb, C J 027113
Lamb, D 024781, 030264
Lambdin, P L 028920
Lambert, A M 026031
Lambert, M 021570, 027842
Lambert, P W 024192
Lamberton, J A 026639
Lamberton, J G 024946
Lamberts, I H 027818
Lambot, O 023911
Lamdin, J M 028980
Lamm, M 030068
Lammerding, J J 024930
Lamond, M 026107
Lana, A O 028259
Lancaster, R J 023055, 023800
Lance, C 026702
Land, D G 024975
Land, R B 024122, 024128
Lander, K P 024753
Landim, A D 021475
Landis, J 023693
Landmann, W A 022677
Landry, P 025651
Lands, W E M 026627, 026630
Landureau, J C 029351
Lanetskii, V P 028024, 028107
Lang, J 025650
Lang, K 023423
Lang, M 022194
Lang, W J 023335
Langdon, P E Jr 030934
Lange, H 030419
Lange, H J 021770
Langenegger, G 030030
Langford, L 022669
Langlois, D 022597
Langsfeld, W 023324
Langslow, D R 023376
Langston, D T 028708
Langvatn, H 021413
Lanier, E B comp 021187
Lanoe, J 023663
Lansden, J 021908
Lanz, W 025188

Lanza, C M 022894
Lanzani, A 022818
Lao, N T 021940
Laor, M 023120
Lapastora, E P 026295
Lapidot, M 021742, 022476
Lapierre, H D 028248
Laplante, J P 029451
Lappin, H A 023467
Lapras, M 024885
Lapteva, K I 025278
Larionov, IU S 026273
Larionova, N I 023309
Lariukhin, G 025462
Lariukhin, G A 030086
Larner, J 023489, 023490
Laroche, R C 025076
Larsen, J R 029409
Larsen, M J 025783
Larsen, P O 028069
Larson, J W 022547
Larson, K L 028370
Larson, L W 030700
Larson, P R 025939
Larson, S 029948
Larson, T 021601
Larson, W E 025063
Lartillot, S 027235
LaRue, T A 027249, 030190
Laruelle, R 027827
Lasley, J F 022669
Lasram, M 025971
Lassey, W R 021186
Lassig, T U 027002
Lassiter, R R 030861
Lasson, E 029908
Laster, D B 023167
Lastinger, J C 027259
Latche, A 027146, 027234
Latrille, J 028247
Lau, D 023413
Lau, J 022428
Lauchli, A 026981
Laude, H 024495
Lauderdale, J W 024010
Laudi, G 026054
Laufer, J 029758
Laurand, IA 030610
Lauriaut, F 028696
Lauriere, C 027003
Laurs, A R 023962
Lauwers, H 023232
Lauweryns, J M 023360
Lavadinho, A M P 029007
Laval-Martin, D 027248
Lavania, J P 024316
Lavarenne, S 026706
Lavee, S 027699
Lavender, A R 023257
Laver, G W 021906
Lavigne, R J 029219
LaVoie, V A 024192, 024195
Lavollay, J 027230
Lavorel, J 027137
Lavrinenko, Z F 021118
Law, A G 027359
Law, C N 026160, 027897
Law, D K 022500
Law, J H 029202
Lawand, T A 029975
Lawless, E W 029148
Lawrence, J F 021906
Lawrence, R D 030280
Lawrence, R de T 027688
Lawrie, R A 022505
Lawson, D D 024913
Lawson, F A 029212
Lawyer, Josephine H 021884
Laxminarayana, H 023443
Lazarus, W 030484
Lazhe, IA IA 021800
Lazzari, J 023209
Le Bars, D 022599
Le Coustumier, J 023788
Le Denmat, M 021292
Le Du, J 023017
Le Houerou, H N 021780
Le Meur, M A 028286
Le Moal, Y 021124
Le Nard, M 027081
Le Renard, J 028605
Le Ret, M 028879
Le Roux, J G 024739
Le Roux, P J 023974
Le Toquin, A 025884
Le Turdu, T 024683
Le Vanda, J P 022529
Leach, S J 026910
Leadley, S M 021221
Leak, W B 025173
Leat, W M F 023452
Leather, G R 027186
Lebeau, J B 027381
Lebedev, I V 025438
Lebedeva, E V 025745
Lebedzeu, E A 030559
Leberecht, P 030009
Lebid', IE M 027560
Lebid', V IA 021453
Leblanc, M 022630
Lebler, B A 025806
Leblond, C 027229
Leblova, S 026529
Leboeuf, B 024009
Leboeuf, M 026745
Lebrun, J P 025729
LeCato, G L 028983
Lecerf, J 022144
Lechevalier, M P 028344
Lechner, E 022642
Lechtenberg, V L 023012
Leckstein, P M 029454
Leclercq, J 029550
Lecocq, M 026046
Lecomte, J 029738, 029739
Ledenkova, T P 023000
Lederer, B E 021411
Lederer, J 024277, 024283
Lederman, T C 030817
Ledrappier, N 022383
Lee, C K 022512, 024692
Lee, C S 022971, 022972, 022973
Lee, D K 027825
Lee, D W 025925
Lee, E 026633, 028325
Lee, G C 023468
Lee, G F 025918
Lee, G L 029832
Lee, H S 024696, 027972
Lee, H Y 028791
Lee, J C 023306, 023482
Lee, J W 023880
Lee, J Y 022814
Lee, K 026461
Lee, K G 027826
Lee, K T 023403, 024837
Lee, L S 026187
Lee, P L 022921
Lee, S C 028791
Lee, S H 022678
Lee, S K 030116
Lee, S P 029855
Lee, T C 022781
Lee, T J 024695
Lee, W M 024837
Lee, W O 028611, 028625
Lee, Y B 024204, 024205
Lee, Y C 024968
Lee, Y K 030116
Lee, Y S 021940
Lee, Y W 022534, 029290
Lee, Y Y 026014
Leeflang, P 024742
Leegwater, J 026072
Leek, F F 029752
Leela, D 030473
Leendertz, B 028308
Leeper, G F 022935
Lees, P 023326, 023390, 024304
Lees, S J 030388
Leete, E 026723
Leevy, C M 022003
Lefcoe, N M 030803
Lefebvre, E L 025540
Lefeuvre, J C 025883, 029263
Lefevre, P C 024642
Leffel, E C 024321
Leffring, L 027599, 027609
Legault, C 024154
Legendre, R 029266
Leger, L 023350, 023409
Leger, N 028991, 029535
Leger, R G 030195
Legg, J O 030414, 030529
Leggat, F W 028157
Legge, A P 029834
Leggett, J E 029217
Legner, E F 028501, 029001, 029658
Legocka, J 025935
Legrand, G 027230
Legrand, J C 023176
Legros, F 026821
Legros, J J 023521
Lehmann, H G 030011
Lehmann, I 023921
Lehmann, J 027369, 027452, 027500
Lehmann, R 023269
Lehmann, W 028638
Lehoczki, E 026408
Lehongre, G 027230
Leib, Kh I 030288
Leibholz, J 023697
Leigh, E G Jr 025864
Leighton-Boyce, G 025654
Leins, P 025961
Leitao, M F F 022741, 022882
Leith, J D 023462
Lelant, F 028696
Lema, I T 023942
Lemaeva, A K 028943
Lemaeva, A M 026971
Lemaire, C 029621, 029622
Lemaire, G 026914
Lemaitre, R 027738
Leman, A D 024928
Leman, V M 026277
Lembke, A 024806
Lemercier, J C 021967
Lemke, P A 026003, 027966
Lemnenyi, P 025479
Lemoine, J 028188
Lemoine-Sebastian, C 025965
Lemon, M 024003
Lencrerot, P 026915
Lengerken, G von 024815
Lengyel, Gy 028934
Lenkowa, A 030825, 030844
Lennartz, G 021865
Lennox, W C 030791
Lentin, J K 025660, 025661
Lenz, F 027084, 027116
Lenz, W 022391
Leoffler, K 024273
Leon, A P 024538
Leonard, D E 028932, 029284
Leonard, S W 025673
Leong, K L 028707
Leonis, J 022083
Leont'ev, A A 025204
Leopold, A C 027274
Lepiarz-Wittner, E 026335
Lepikhin, A D 027582
Lepkovsky, S 023539
Lepori, G 026081
Leppington, I M 022060
Leppla, N C 029810
Lerner, J 023375
Leroi, B 028824
Leroux, T 022378
Lersten, N R 025635
Lesak, J 027537
Lescanne, N 025843
Leschhorn, E 024875
Lescure, F 024890
Lesesne, S F 021610
Lesher, W G 021676, 021677
Leslie, J E 021912
Lesperance, A L 023629, 023867
Lesser, D 021609
Lessley, B V 021378
Lester, B M 022074
Lester, R 029412
Leszczycki, S 025551
Letan, A 022540, 022790
Letenneur, L 027445
Letey, J 030346, 030533
Lettenmaier, D P 030668
Leuckert, C 026420
Leung, C 024530
Leung, T T 023448
Leupold, G 021696
Leuschner, K 028898
Levanidova, Z M 024387
Levantin, D L 021460
Levashov, B G 025043
Levav, N 029868, 029884
Levene, C I 022020
Levin, A P 030769
Levin, D A 026161
Levin, E D 025348
Levin, I 030662
Levinger, I M 023340
Levins, R A 028866
Levitin, B M 025321
Levkovs'kyi, A M 027060
Levy, D 027200
Levy, R 024444, 029357
Levy, S 022007
Lew, H 022605
Lewandowski, T P 030974
Lewerenz, H J 024984
Lewis, A L 030956
Lewis, D 023850
Lewis, E J 026808
Lewis, F H 028074
Lewis, G D 021735
Lewis, J K 029522
Lewis, R E 024301
Lewis, T L 022014, 028382
Ley, H 023584
Ley, K D 024602
Lhonore, D 029433
Lhoste, P 023791
Li, L K 026328
Li, P H 022878
Li, S T 023533
Liakhovich, S R 030560
Liamin, I V 025391
Liappis, N 023676
Liashenko, M E 021447
Libal, G W 023761
Libera, S 021216
Liberts, V A 023087
Libiseller, R 024942
Liceras de Hidalgo, J 024464
Lichardus, B 023405
Licht, W 026944
Lichtenfels, J R 024669
Lichtenstein, E P 030330
Lichtle, C 026032
Lider, L A 027698, 028216
Lidome, G 022745
Lieberman, M 027222
Lieberman, M E 024135
Liebert, C 030933
Liebing, H 022428
Liegel, E A 026942
Lien, R M 030151
Lierde, H van 023239
Lierse, W 024938
Liese, W 025380
Lieu, T 024532
Lifschytz, E 029298
Light, A 023486
Ligugnana, R 021900
Likhachev, A N 028033
Likimani, E P 027616
Lilien, J 023502
Lill, R E 028397
Lillaram, N T 028543
Lillard, D A 022726
Lillehoj, E B 028746
Lilly, L J 021955
Lim, Y M 024690, 024692
Lima, M L G P 022920
Limanskaia, A IA 022824
Limberger, G E 026217
Lin, C S 026628
Lin, C Y 026043
Lin, H N 026750
Lin, L P 026014
Lin, W C 027089
Lin, Y C 026589
Lin, Y J 026326
Linard, A 026784
Linberg, K A 029295
Lincoln, C 028713
Lindauer, R 025560
Lindberg, I 022550
Lindberg, L A 023366
Lindberg, P 027157
Linde, C 023969
Lindell, J O 024275
Lindell, L 023687
Lindemann, E 023268
Linden, G 022562
Lindgren, K 027340
Lindgren, S 022208
Lindmar, R 023324
Lindner, H R 024135
Lindow, H E 021745
Lindqvist, B 022550
Lindqvist, O V 029312
Lindsay, J H 022547
Lindsten, K 028698
Ling, C T 027665
Linge, F 023970
Link, H 027070
Link, J E 021502, 021509
Linnik, V M 026139
Linon, P G 024354
Linsley, E G 029644
Lint, P J A L de 027607
Lintz, B 022399
Linzell, J L 023513
Lion, J 026873
Lions, J C 029193
Lipatnikov, V I 025297
Lipkin, Y 025607, 025868
Lipovetskaya, T F 030589
Lipparini, L 022530
Lippemeier, P 025296
Lippke, H 023506
Lipstein, B 023715
Liseev, A S 025136
Lisetskii, G M 028018
Lisker, N 025984
Lisov, V I 025309
Litarov, IA I 025327
Litlere, B 027642
Littell, R C 028866
Little, C H A 027311
Little, C O 023457
Littlejohn, A 024973
Litvak, S 026998
Litvak, V S 022992
Litvin, F F 026541, 026542
Litvinov, M A 025747
Litvinov, M S 022771
Litwin, O B 028503
Liu, B W Y 028703
Liu, S C 025079, 025080
Liu, S Y 026659
Liu, T 025882
Liubarevich, T A 022991
Liubchenko, L M 030561
Liubesic, N 026033
Liutenko, M G 025453
Livak, K L 027019
Liven, E 024399
Livingston, G E 022236
Livingston, R J 029088
Livingston, R L 027815
Livingstone, D A 021081
Livshits, O D 025308
Llacer, G 028168
Llewellyn, M 029454
Lloyd, A C 022503, 022941
Lloyd, E A 022009
LLoyd, E P 028755
Lloyd, J D 025158
Lloyd, J E 029356, 029358
Lloyd, L C 024833
Lloyd, M 022544
Lloyd, W J 025029
Loach, K 027311
Lob, G 023388
Lobach, T IA 030560
Lobban, M C 022010
Lobel, R 027748
Lobl, I 029681
Lobotka, J 029990, 029991, 029994, 029995
Lobur, V V 022717
Locatelli, A 024407
Locker, R H 022686, 022688
Lockhart, C L 027929
Lockley, J C 030749
Lockyer, N F 029089
Lodha, M 028375
Lodha, M L 027010
Lodish, H F 026086
Loecker, W de 023360
Loepfe, R 029937
Loesch, L S 028280
Loew, F M 029428
Loewer, D H 029900
Loewer, O J Jr 029900
Loewus, F A 026367, 027029
Loffelholz, K 023324
Logan, C A 021435
Logan, D M 028827
Logan, I C 028550, 028553, 028775
Logan, J A 028818, 028819
Loginov, IU P 026254
Loginova, E N 030762
Logvinenko, E M 026400
Lohoar, J S 021476
Lokesh, B R 023438, 023439
Lombard, P B 030730
Lomtadze, Z K 030374
Lomtev, A V 028806
Loncin, M 022445
Loneragan, J F 026389
Lonergan, M E 022056
Long, C R 024090, 024091
Long, M N 027589
Long, N 021276
Long, P L 024455, 024473
Long, R W 026098
Longo, C P 027033
Longo, G P 027033
Longuet, D 021419
Longworth, J F 028784
Longworth, J W 021249
Lonnberg, B 025471
Lonnstedt, L 025163
Lono, K 025564
Lonsbury, J 021720
Loo, L G W van der 022572
Looker, M 022698, 024159
Loomis, M 030945
Loper, G M 029819
Lopes-Cardozo, M 023589
Lopez, A 022924, 029266
Lopez, A comp 022413
Loquerie, R 024682
Lorca de M, L A 021079
Lorefice, G J 025919
Lorenc-Kubis, I 026877
Lorentzen, J 022456
Lorenz, D 024729
Lorenz, O A 022928
Lorenz, W 023323
Lorenzetti, F 026179
Lorgue, G 024947
Lorient, D 022562
Losada, A 026814
Lose, M 024376
Loskutov, N F 030760
Lotse, E G 030312
Lotter, H 023391
Lotthammer, K H 024036
Loubes, C 029486
Loucks, R R 023636
Louden, L 025269
Loudon, G M 022563
Loudon, P 022229
Lough, H W 022560
Louguet, P 026700
Louis, T M 023980
Lounasmaa, M 026653
Lounibos, L P 029726
Lousse, A 023951
Love, A 025835
Lovely, W G 028616
Lovering, J 021181
Lovett, J S 026390
Loveys, B R 027120
Lovisolo, O 028158
Low, J B 029068
Lowe, J E 023617
Lowe, R E 029041
Lowendorf, H S 026091
Lozhnikova, V N 026950
Lu, C M 027308
Lu, G Y 029313
Lua, N V 022764
Lubin, B H 022016
Lucas, E L 025535, 025537
Lucas, J A 028077
Lucast, D H 026723
Lucifero, M 023920
Luck, H 022634, 022635, 022636
Luck-Allen, E R 025657
Lucke, W 027909
Luckey, T D 021873, 021874, 021876
Luckey, T P 024951
Luckner, L 030757
Lucuik, G S 029281
Ludders, P 028413
Ludlam, F A B 028813
Ludlow, M M 026902
Ludri, R S 023746
Ludwig, J A 026359
Lue-Hing, C 029037
Luff, A R 023527
Luganskii, N A 025209
Lugmayr, D 024726
Luh, N 022496
Luick, J R 023769
Luis, J R 026362
Luisoni, E 028158, 028281, 028285
Luke, J E 028437
Lukefahr, M J 028754
Lukoschus, F 029521
Lukoschus, F S 029527
Lukoshius, I 025123
Luks, YU A 026492
Lum, P T M 028968
Lumanta, I G Jr 023859, 023865
Lumsden, R D 027918
Lun', M I 023957
Lund, E 024402
Lundblad, A 024836
Lundell, C L 025850, 025851, 025852
Lundgren, O 023179, 023191
Lundstad, A 027806
Lunebrink, J 024826
Lunkenheimer, P P 023679
Lupnitz, D 025688, 025876
Luppa, H 023196
Luppi, G 027363
Luquet, F M 029079
Luscombe, B M 030209
Lutfullin, K L 026487
Luthin, J N 030387
Luthy, P 028684
Lutsak, A D 024264
Lutskii, V I 025277, 025278
Luttge, U 026387, 027030
Lutwick, L E 023021
Lutz, J 023610
Lutzke, J 021094, 022895
Luu Bang, 023657
Luxmoore, R J 027047
Luzzati, A 030180
L'vovich, M I 030756
Lyerla, J R Jr 023301
Lyhs, L 023252
Lyle, E S Jr 025081
Lyles, L 030617
Lyman, V E 028009
Lynch, G P 023507
Lynch, J M 022014
Lynn, D G 026982
Lynn, H 029326
Lynn, H C 029008
Lyon, D K 021350
Lyon, J 023809
Lyon, J L 027268
Lyons, E T 024610, 024611
Lyons, M T 030251
Lysenko, V M 021458
Lysiuk, V M 027578
Lysyshak, H V 030561
Lytvyn, V P 025005
Lyzlova, S N 023312
Ma, P 026931
Ma, T P 025275
Maag, T A 024441
Maar, J 025373
Maarufi, D 027061
Maas, E F 030403
Maas, J 026520
Maas, J W 023662
Maass, W S G 026768
Maastik, A 030960, 030961, 030962
Maat, D Z 028208
Mabberley, D J 025738
Mabry, T J 025664, 026449, 026576, 026584, 026735, 026739
Mac Glaess, O 024905
Macabies, J 023263
Macaire, I 022137
MacAlister, T J 026439
MacCarthy, P 030204, 030205

MacDaniels, L H 027692
MacDiarmid, B N 028576, 029159
MacDonald, I R 027022
Macdonald, R L 029824
Macdonald, T 027053
MacDonald, W E 024940
MacDougall, D B 022685
Mace, A C Jr 030786
Macek, J 025545
Macek, K J 029083
Macfarlane, N 022789
MacGarvie, Q D 027912
Mach, O 024524, 024525
MacHac, M A 026192
Machado Goncalves, T M 026742
Machado-Santelli, G M 029305
Machan, F 027532
Macheix, J J 027223
Machida, M 024624
Machlin, L J 022197
Machmeier, R E 030887
Machon, J M 027229
Machuzhenko, V I 028465
Machycek, V 023078
Maciejewska-Potapczyk, W 026332
Macior, L W 026356, 026357
Mack, H J 026895, 027106
Mackauer, M 029324
Mackay, A G 028780
MacKay, L B 025985, 025986
Mackay, P A 028715
Mackenzie, A P 022446
MacKenzie, C D 023563
Mackenzie, J A 026321
MacKenzie, P K I 024753
Mackie, D M 025469
Maclachlan, J B 026202
MacLaren, R B 027382
Maclean, W C Jr 022122
MacLeod, A J 022954
MacLeod, R D 027283
MacLeod, R W G 027022
MacLeod, W G 024373
Maclon, A E S 027022
MacMillan, J A 021701
MacMillan, K L 021259, 024187
MacNeill, B H 027927
MacPherson, G 030017
Macqueen, A 028641, 029011, 029282, 030434
Macqueen, S 027767
Madan, M 024100
Madar, J 024523
Madas, A 025049, 025185, 025282
Maddams, B 027720
Maddams, W F 027719, 027720
Madden, G D 027812
Maddox, J V 028741
Madero, G E 023692
Madewell, B R 024586, 024854
Madhava Rao, A 023439
Madhava Rao, P 024566
Madi, L F C 021853
Madsen, R F 022471
Madumadu, G 027614
Maeda, H 022564
Maeda, T 025003, 028237
Maeda, Y 024047
Maejima, J 024623
Maes, E 022083
Maezawa, K 025108
Maffre, M 025276
Magajes, B E 026295
Maganjo, M 027618
Magar, N G 027163
Magat, A 024355, 024831, 024832
Magee, P N 021955
Magen, Z 021574
Mager, A 024234, 024280
Magerramov, Z I 030490
Magie, R O 027603, 027884
Maginieau, C 026914
Magnusson, H 025490
Magonigle, R A 024503, 024584
Magrabi, Frances M 022353
Magri, E 023394
Maguire, J H 029902
Maguire, Y P 022958
Mah, Y I 029855
Mahadevan, P 024249, 024255
Mahadevan, P R 026604, 026605
Mahdi, A A 027189
Mahendar, M 024879
Mahendranath, D 024879
Mahe-Quinio, M 024985
Maheshwari, M L 022549
Mahmood, A 021551, 021552
Mahmood, K 030942
Mahmoud, A A 021986, 021987
Mahnert, V 029594, 029680
Mahoney, M P 030645
Mahony, J J 030347
Mahouy, G 029440
Mahunka, S 029677
Maia, G A 022927
Maidebura, V I 021451
Maier, G 025355
Maier, V P 022950
Maier-Bode, H 029154
Maillot, L 024643
Mainardi, B 022203, 023922, 023923
Mainguy, P R 022225
Maire, R G 027915
Maisano, J J Jr 027727
Maistre, M 029535
Maistrenko, O I 026253
Maita, K 023571
Majer, A 025183
Majerciak, P 024242
Majko, Z 026174
Majkuth, J 030099
Major, D J 025997
Major, M 027850
Majumdar, M K 030310
Majumder, A K 023243
Majumder, P K 022042, 027195
Makar, I A 022717
Makarau, I L 021815
Makarov, IE V 030162
Makarov, V 024645
Makarova, G V 026478
Makasheva, R Kh 026263
Makhija, S J 024944
Makhmudbekov, F I 021804
Makino, T 026304
Makinson, K R 022654
Makovetskii, V A 025338
Makovskaia, S A 028470
Maksay, F 021154
Maksimenko, V P 026144
Maksimova, I V 026686
Malan, C E 021837
Malanchuk, M M 021338
Malanta, K R 027179
Malarz, W 027042
Malawko-Murawska, Z 027415
Malazoniia, I 022541
Mal'cheuskaia, E N 023937
Malec, K 022857
Malechek, J C 023866
Malecka, J 025928
Maler, J 021294, 027545
Maletto, S 024215
Malhotra, C L 025703
Malik, B P S 026182
Malik, B S 024551, 024554
Malik, G S 024316
Malik, O G 023957
Malinen, R 025472
Malinger, M 030411
Malingerova, N 030411
Malinin, V M 028143
Malinowska, K 023547
Malinzak, D A 026977
Malitskii, N A 027436
Malitz, H 021866
Maliwal, G L 026965
Malkerov, V P 028965
Malkinson, M 024819
Mall, L P 025921
Mallia, A K 023503
Malloy, K M 026459
Mally, K V 024566
Malm, A 023818
Malm, N R 027496
Malm, T 023739
Malmfors, T 023381
Malofeeva, M A 025200
Maloney, J E 023466
Malov, A M 022438
Maltini, E 022905
Maltry, W 030007
Malujlo, T 028680
Malven, P V 023599
Maly, V 030594
Malyshenko, V S 030981
Malyshev, A M 029984
Mamaeva, G P 024258
Mamalyga, V S 026142
Mamedniiazov, O N 029796, 029798, 029799
Mamedov, A 029797
Mamedov, A I 021406
Mamedov, G A 021333
Mamedov, M A 030490
Mamedova, L V 030138
Mammerickx, M 023239
Mammetkuliev, B M 029797
Mamonov, I F 027576
Mamula, D 028173
Manabe, K 027267
Mancha, M 027114
Manchester, A C 021464
Manchon, P 029100
Mancia, G 023228
Mancini, M 021989
Manciulea, S 025006
Mandal, S C 030305
Mandel, S C 030244
Mandelbaum, A 026841
Mandl, B 022389
Mandl, K 029568
Maner, J H 023755
Maness, K S C 024590
Manfredi, E 021651
Mangenot, F 027924
Mangubat, Ann P 022089
Manickam, T S 030296
Manji, B T 028072
Manjunath, P 026602, 026603
Manka, K 028392
Mankau, R 028383
Mankin, J B 025893
Manley, T R 030940
Manley, W 024475
Mann, S S 022913
Mann, T 030894
Mannheim, C H 022942
Manning, R E 021215
Manning, T W 021176
Manninger, S 026171
Manno, Anne 022359
Manns, J G 023208
Manohar, M 024315
Manouchehri, M 025489
Mans, R J 027015
Manske, D D 029153
Manson, B E 029158
Manson, B R 025055
Mansurov, M S 030682
Mantel, T 021847
Mantey, K D 029334
Mantovani, A 024748
Mantovani, G 029985
Manuilov, N A 025445
Manukov, E N 025299
Manwatkar, S G 023712
Manwell, C 023406
Manych, V I 026467
Manzini, M L 026054
Manziuk, V T 026278
Maplesden, D C 024597
Marais, A 028225
Marais, C L 024076
Marais, J N 026891
Maranville, J W 027028
Maravalhas, N 022415
Marce, A 030666
Marchant, R 025975
Marchelli, R 026561
Marciniak, A W 021330
Marciniak, K 027094
Marcley, V R 027813
Marco, S 028235, 028265
Marcus, A 023198
Marcus, Z H 024517
Marechal, R 026103
Marei, A H 026974
Marenaud, C 028172, 028182
Maresova, P 022168
Margaris, N 027626
Margaris, N S 027065
Margulies, L 029397
Mariani, G 028165
Mariani, P 023929, 024216
Mariat, F 025943
Mariau, D 028672
Maric, A 027961
Mariev, A A 025331
Marin, V I 027577
Marino, R 026003
Mariotti, J A 029078
Markgraf, F 025953
Markgraf-Dannenberg, I 025617
Markham, K R 026575, 026576, 026584
Marking, L L 029142
Markle, R A 023404
Markman, A L 026506
Marko, A F 026279
Marko, M 029997, 030003, 030172
Markov, IU M 024387
Markov, V V 025199
Markova, K V 024269
Markova, T 021358
Markovic, J 025244, 025250
Markovic, R 023447
Markow, T A 029456
Marks, G C 027873
Marks, R T 025100
Marley, J M T 028579
Marone, I IA 025346
Marquardt, O W 024284, 024285
Marques, J F 021143
Marquis, D A 025255
Marras, G F 027844
Marriage, P B 029182
Marrott, L 029067
Marsaioli, A J 026766
Marsh, A W 030642
Marsh, J M 021472
Marsh, R W 027899
Marshall, B 023858
Marshall, K C 026648
Marshall, P E 027310
Marshall, R J 023320
Marsnev, M G 030138
Marson, R 021437, 021793
Martelli, A 030959
Martelli, G P 028252
Marten, J 021416
Martens, J W 026241
Martens, P 029080
Martens, P H 021859
Marth, E H 026859
Martin, A 024174
Martin, B 024052
Martin, C 028537
Martin, C E 024857, 024858
Martin, D 023196, 028382
Martin, D F 028706
Martin, D P 027104, 028069
Martin, E C 029391
Martin, E L 023862
Martin, F W 022916
Martin, G A 023105
Martin, G E 022923
Martin, H 026199
Martin, J T 024607
Martin, L 023103
Martin, L W 030727
Martin, M M 029404
Martin, N C 026019
Martin, P 022632, 027129
Martin, R J 024581
Martin, S M 026442
Martinat-Botte, F 023983, 023987
Martindale, L 023713
Martinek, G W 026195
Martinez, A 029562, 029564, 029567
Martinez, C 022081
Martinez, S J 022074
Martinez-Vargas, M C 023653
Martini, J A 030345
Martin-Smith, M 027052
Martoja, R 029433
Martyn, E J 028657
Martynenko, V V 028950
Martynov, A N 025214
Maruyama, M 026761
Maruyama, Y 024486
Marwaha, D R 021759
Marwaha, R K 029811
Marx, D 024273
Marynick, D S 027014
Marynick, M C 027014
Marza, E 029863
Masahiro, O 030868
Masar, M 022866
Maser, C 025167
Mashara, N A 028155
Mashimo, S 021254
Masilamani, R 024568
Maskrey, M 023550
Maslakov, E L 025205
Maslennikov, A S 025304, 025336
Maslianko, N F 024771
Maslianko, R P 024771
Maslov, A A 021457
Maslova, N F 026145
Masoero, P 022013, 023925, 023926
Mason, D T 023384
Mason, G W 029157
Massant, B 026821
Massari, M 022659
Massie, I E 026075
Massino, I V 021763
Massion, J 023353
Mastro, V C 028944
Masuda, K 024632, 026655
Masuda, M 022494
Masyuk, A I 024060
Math, V B 027239, 027252
Matha, M 030851
Mathapati, S N 028353
Matheny, J L 023254, 023262
Mather, K 029484
Mathes, L E 024542
Mathew, B 025732
Mathew, G 029388
Mathew, J 028137
Mathew, P M 025977
Mathias, A P 023291
Mathur, G S 030235
Mathur, M K 030449
Mathur, N K 022090
Mathur, P D 023430
Mathur, P N 021108
Mathy, P 030800
Matiunina, N N 025353
Matkarimov, V D 030622
Matlin, K 026632
Matmuratov, D 021228
Mato, J M 026814
Matorin, D N 027132
Matschiner, J T 022140
Mats'kiv, O I 028796
Matsnev, M G 030131
Matsubara, H 026076
Matsubara, I 028237
Matsuda, K 024483, 024490
Matsuhashi, H 023568
Matsui, C 028241
Matsui, H 026884
Matsui, K 023575
Matsui, M 026771
Matsui, T 024627, 024654, 024656
Matsuka, M 029258, 029259
Matsukawa, T 022649, 023367
Matsumoto, H 026592, 027050
Matsumoto, J J 022408
Matsumoto, R 027143
Matsumoto, T 022517, 025273
Matsumura, F 028921
Matsumura, M 022593
Matsuno, T 024419
Matsuo, T 022139
Matsuoka, K 025004
Matsuoka, S 023784
Matsuura, K 027986
Matsuyama, J 029774, 029775
Matsuzaki, M 027888
Mattes, K C 028728
Matthaeus, W 024805, 024809
Mattheeuws, D 024915
Matthes, W 024028
Matthews, P B C 023554
Matthews, R 027893
Matthiesen, U 027140
Matthysse, J G 029073
Mattingly, P F 029637
Mattioli, A 030475
Mattoon, R 026198
Mattraw, H C Jr 029150
Mattson, J A 025534
Matusis, I I 023945
Matuszewska, D 027096
Matveenkova, L A 025329
Matveiko, A P 025449
Matvejeva, J 025846
Matwiyoff, N A 026398
Matyas, Cs 025186
Matyas, L 030092
Matzel, W 030181
Matzke, P 024995
Mauer, R E 023994
Maugh, T H II 030963
Maul, V 029860
Mauldon, R G 021694
Maule, M M 022056
Maunsell, L A 030719
Maurand, J 028992, 029486
Maurandi, V 029985
Maurer, C L 021854
Maurya, R C 025197
Mausbach, M J 030615
Mautalen, C A 022134
Maxcy, R B 022592
Maxfield, S L 023858
May, D 023132
May, J T 024762
May, J W 026556
Mayer, H 024729
Mayer, S 021946
Mayers, P E 027868
Mayland, H F 026892
Maynard, E O 026293
Mayor, G 027233
Mays, R A 024394
Mayse, M A 028741
Mazenc, L 021596
Mazepa, M I 025308
Mazliak, P 027236
Mazokhin-Porshniakov, G A 029516
Mazue, G 024353
Mazur, A R 030177
Mazur, H A 030565
Mazur, S 029674
Mazza, G 027139
McAfee, D A 023596
McArthur, B M 027681
McArthur, J A B 023863
McAteer, Michael 022351
McCafferty, W P 029709
McCain, A H 027914
McCallum, R 021260
McCandless, E L 026441
McCarthy, L E 023473
McCarthy, V C 029042
McCarty, M K 028601, 028610
McChesney, A E 024586
McClain, D S 029073
McCleary, M 023221
McClellan, M C 024056
McClure, J P 025253
McClure, J W 026580
McClure, M S 028820
McComb, F 025454
McConnell, S 024721
McCormack, R J 021169
McCormic, D B 022195
McCormick, K J 024437
McCormick, Richard D 022342
McCoy, J R 028752
McCoy, R E 028441
McCready, G A 025674
McCroskey, J E 023454, 027424
McCullough, M E 023079, 023740
McCurdy, H D 024778
McDaniel, B 029522
McDermid, E M 023237
McDermid, R W 025459
McDonald, C 026119
McDonald, E 026852
McDonald, G I 027921
McDonald, K L 026817
McDonald, K M 023219
McDonald, L L 028987
McDonald, M F 024176
McDonough, J 023502
McDonough, W T 028594
McDougal, B J 024908
McDowell, G H 024531
McElroy, M J 025414
McEneany, L S G 023299
McEnery, R J 024327
McEnroe, W D 029195
McFarlane, J S 026958
McGahen, J H 027505
McGaughey, W H 028975, 028984
McGeeney, K F 026611
McGilliard, L D 024102
McGillivray, D J 025754
McGillivray, W A 022567
McGloughlin, P 022692, 024153
McGovern, T P 028664, 029824
McGovern, W L 029217
McGowan, W M 025541
McGrath, J C 023333
McGregor, A J 030394
McGregor, K C 030621
McGugan, W A 022589
McGuire, A 026809
McGuire, J R 025156
McHattie, I 024008
McIlmoyle, W A 023689
McIntyre, J 027977
McIver, S B 029004
McIvor, A R 021428, 023830
McKague, A B 029002
McKeen, W E 025978, 027933
McKeever, P J 024823
McKell, C M 021227, 027556
McKenzie, D L 027930
McKinion, J M 026853
McKinnell, F H 028582
McKinsey, J W Jr 030966
McKnight, G S 023197, 023641
McKnight, J R 025459
McKnight, K H 025764
McLaren, R G 028380
McLauchlan, R L 021850
McLaughlan, W T 028775
McLaughlin, G R 021612
McLaughlin, N B 023721
McLeester, R C 027272
McLellan, A R 022487, 029827
McLeod, A I 030791
McLeod, C C 024652
McLoughlin, J V 022692, 024153
McMahan, E A 029379
McMahon, T A 023475
McManus, W R 023701
McMeans, E 029442
McMillen, J 024575
McMurtry, I F 023410
McNabb, J 030859
McNamara, R L 021149
McNatt, J D 025532
McNeil, J 023737
McNeil, J N 029552
McNeil, P H 027241
McNeilly, B A 030267, 030268
McNerney, Chris 022288
McPhee, C P 024816
McPherson, J E 029218
McQuilkin, R A 025261, 027345

McQuire, E J 023494, 023495
McTaggart, H S 024830
McWeeny, D J 022509
McWhirter, W J 029902
Meagher, D M 024932
Meance, J 027235
Mecklenburg, R A 027702
Medina, J M 026361
Mednis, M 030684
Medved, L I 029167, 029173, 029185
Medved, R A 028501, 029001
Medvedev, E M 025320
Medvedeva, E I 022436
Medvedeva, G V 028029
Meegan, M J 027333
Meehan, D J 028758
Meeker, J A 025665, 025983
Meekings, J S 028783
Meeklah, F A 027039, 028572
Meer, F A van der 028189
Meer, P van der 026681
Meese, G B 023248
Meeting, S 027695
Meeuse, A D J 025931
Meggitt, W F 028619
Mehard, C W 026743
Mehl, R 028651, 029014
Mehlhorn, H 024745
Mehlhorn, I 024025, 024026, 024027
Mehlschau, J J 030141
Mehltretter, C L 022782
Mehnert, H 023388
Mehra, B P 025197
Mehra, M L 025385
Mehrotra, O N 022105
Mehrotra, P N 023431, 024544
Mehta, B V 030240, 030243
Mehta, P 028078
Mehta, R J 026625
Mehta, S L 026613, 027010
Mehuys, G R 030346
Meiburg, D E 024894, 024895
Meier, E 026204
Meijaard, D 021357
Meijneke, C A R 028181
Meijs-Roelofs, H M A 024106
Meilgaard, M C 021974
Meilke, K D 021480
Meiners, A F 029148
Meinhold, K 021408
Meininger, A 027773
Meisel, K 021225
Meisner, J C 021257
Meissonnier, E 023870
Mejstrik, V K 025916
Mekata, F 023591
Mekhanik, M L 023310
Melanta, K R 027760
Melchert, H U 022422
Meldahl, H E 022230
Melicher, K 029764
Melin, D 026737, 026738, 026769
Melin, L 030013
Mel'kanovitskii, I M 030750
Mellem, T R 029352
Mellenthin, W M 030728
Meller, E 027013
Mello, R F de 023153
Mellon, P J 023315
Mel'nichuk, V P 027581
Mel'nikov, L V 025392
Mel'nikov, M M 027582
Mel'nychuk, O P 030561
Melville, F 027766
Melzheimer, V 025622
Memoli, A 021896
Mena, F 023510
Menasche, M 023606
Mendel, H 022926
Mendell, N R 024190
Mendelovici, M de 024649
Mendes, A C 023152, 023916
Mendes, E G 029254
Mendes, F dos S 027444, 030686
Mendgen, K 027908
Meneve, I 025225
Menezes, L C 026557
Menezo, Y 024125
Meng Horn, C 026706
Menhenett, R 027201
Menschick, H 029920
Menyhart, L 021068
Menzi, M 027454
Menzie, C M 030876
Meranger, J C 022490
Merat, P 024021
Mercer, C F 028783, 028784
Mercuri, A J 021909
Meremkulova, R N 026218
Meric, I 024865
Merino, F G 022474
Merkley, D F 024930
Merlo, D J 028134
Merriam, J G 024380
Merrick, W C 023485
Merrill, D T 030932
Merrill, W G 023819
Merritt, A M 024868, 024871
Merritt, C Jr 022663
Merritt, C M 028757
Merrow, S B 021997
Merwin, E 028357, 030862
Merz, F 021695
Merzlikin, S A 025311
Merzlikina, V P 025335
Meshcheriakova, V D 022793
Meshkova, Z 028141
Mesnier, M 029274
Messager, J L 027445
Messer, G 026451
Messer, J W 021912
Messer, R 022234
Messmer, K 023388
Mestre, J C 025968
Meszaros, J 024646
Metcalf, R L 030880
Meteshkina, L P 025310, 025347
Mettananda, I 023368
Mettin, D 026094, 026095
Metz, J 022061
Metz, K 030990
Metzner, P 022396
Meurer, I 029518
Meyer, B 025376, 025948, 025949
Meyer, C P 027304
Meyer, D 022807
Meyer, H 027455
Meyer, J 021846
Meyer, L D 030620
Meyer, L J 027441
Meyer, O 021976
Meyer, R C 024749
Meyerhoeffer, D C 024212
Meyer-Rochow, V B 029615
Meyers, M 023491
Meyers, T G 022703
Meylan, A 028420
Mgaloblishvili, S V 025236
Mgaloblishvili, T S 030537
Mglinets, V A 029494
Mia, A S 024374
Miagi, K 030723
Miagkova, D V 028012
Miah, S A 028071
Miana, G A 026839
Miatseva, S N 028943
Miayoukou, J F 028341
Mica, B 022983, 027299
Micalef, H 025966
Michael, E 024664, 024791
Michaelis, G 023009
Michaelis, O E 022184
Michaels, R R 029095
Michajlow, W 030842
Michalik, S 025892, 030834
Michaux-Ferriere, N 025967
Michels, W 025357
Michl, D J 029805
Michniewicz, J J 028228
Mickelson, Olaf 022064
Mickun, N 021071
Micuda, V 021082
Midcap, J T 028441
Middleton, E J 029414
Miedema, G J 024377
Mieth, G 022525
Mieth, H O 022392
Mignon, F 024066
Mihama, H 026394
Mika, V 027538
Mikaberidze, K G 026510
Mikaberidze, V E 027294
Mikami, N 023873, 028485
Mikami, S 025180
Mikhailiukova, Z A 021288
Mikhailova, P T 028474
Mikhailovskii, L V 025744
Mikhalchenkov, L 027777
Mikheev, V A 030578
Mikhopadhyay, A K 030239
Mikkelsen, D S 030340
Mikkelsen, K 024308
Mikoryak, C A 024532
Miksche, G 025362
Milborrow, B V 027254, 028536
Milczewski, K E von 024806
Miles, Corbin I 022340
Miles, G E 027041
Milhaud, G 024891
Milhet, Y 027598
Milicic, D 028173
Milinkovic, R 028161
Mill, S J 021249
Millar, G C 023328
Millard, B J 024455
Miller, A L 023354
Miller, B R 021435
Miller, C E 021663
Miller, C M 028776
Miller, D A 024071
Miller, D R 029498
Miller, D S 024950
Miller, E R 023070, 023882, 023886, 023892, 023894, 023896, 023897, 023902, 023903, 023904
Miller, F R 027458
Miller, G J 024722
Miller, H N 028323
Miller, J A 029028
Miller, J C 022700, 022705, 023636
Miller, J H 026355
Miller, K R 026018
Miller, L K 029460
Miller, M 021981
Miller, M H 026389
Miller, O J 024071
Miller, O K Jr 025765
Miller, P C 025898
Miller, R E 022775
Miller, R H 030948
Miller, R M 024393
Miller, R W 029010, 029026
Miller, S A 022033
Miller, S R 022885
Miller, T G 028372
Miller, T L 030916
Miller, V L 027877
Miller, W E 026544, 026545, 028357, 030860, 030862
Miller, W J 024969
Millerand, C 025794
Millette, G J F 030195
Milligan, K E 023140
Millin, D J 022148
Millington, R J 021252
Mills, A 022502
Mills, G L 025947
Mills, J P 029833
Mills, J T 027928
Mills, T J 025073
Mills, W C Jr 021427, 023105, 024163
Milne, D W 024320
Milne, J S 022056
Milne, R G 028281, 028284, 028285
Milo, G E 024542
Milone, A 023267
Milota, F 029768
Milovanov, V K 024257
Miltenburg, J C A 021430
Miltimore, J E 027920
Mil'tsev, A I 030137, 030138
Min, D B S 022497
Min, Y K 022814
Minakova, A L 023308
Minale, L 026563
Minami, K 030352
Minarcic, P 028046
Minashina, N G 030292
Minasian, E 026910
Minato, H 023428
Mindadze, R K 022991
Mine, A 028485
Minemura, N 025419, 025431
Minessy, F A 027590
Minges, P 021675
Mingle, C A 026718
Minina, T S 022437
Mink, G I 028210, 028267
Minkema, D 024020
Minkevich, I I 028395, 028480
Minkevicius, A 028022
Mino, Y 026997, 030270
Minocha, J L 026131
Minore, D 026070
Minson, K L 029063
Minton, N A 028419
Mirakhmedov, S M 026212
Miravet, L 022063
Mirck, M H 024732
Mirecki, J 030337
Mirenda, J 029223
Miringa, E N 024445
Mirkina, R A 026493
Miro, P 022660, 022767
Mirocha, C J 026593
Mironskaia, S K 022834
Miroshnichenko, V G 025330
Mirvish, S S 022026
Mirzaev, A 030744
Mirzaev, S Sh 030771
Mirzalieva, Kh R 028760
Mirzoev, A K 021333
Mirzonova, M N 028154
Misaka, Y 030929
Misato, T 026596, 029098
Misawa, T 028151, 028245
Miselis, R R 023213
Mishiba, Y 022593
Mishra, B 026180
Mishra, D 028422
Mishra, R C 025197
Mishra, R P 027946
Mishra, S S 024317
Mishra, U K 028843
Mishurenko, A G 030155
Mishustin, E N 026964, 030261
Misra, B C 028719
Misra, K K 027174
Misra, M C 022105
Misra, R S 027183
Misra, S G 030236
Misra, S S 028831
Mistretta, P W 026231
Misztal-Cieliczko, M 026331
Mitchell, D J 028055
Mitchell, E B 029217
Mitchell, E R 028753
Mitchell, G E Jr 023457, 023844
Mitchell, G V 024971
Mitchell, H C 029217
Mitchell, I J 027669
Mitchell, J C 026772
Mitchell, J E 028064, 028704
Mitchell, M E 022128
Mitchell, Madeleine E 022129
Mitchell, R B 027039, 028572
Mitchison, J M 026556
Mithyantha, M S 028543, 030299, 030306, 030325
Mitin, B A 030983
Mitin, M L 024258
Mitorai, M 030018
Mitrofanov, A S 025216
Mitrofanov, V G 029464
Mitscherlich, E 024806
Mitsuhashi, J 029229
Mittler, T E 029323
Mittrach, B 029918, 029921, 029925, 029927
Mitzel, J R 024592
Mix, G 027116
Miya, E E 021853
Miyahara, K 026511, 026849
Miyake, M 023565, 024145
Miyake, S 026394
Miyamoto, H 024131
Miyamoto, J 028485
Miyamoto, K 027352
Miyamoto, S 022747
Miyamoto, T 029450
Miyamura, S 026983
Miyao, N 023345
Miyase, T 026734
Miyashita, A 023875, 023876
Miyashita, Y 023576
Miyazaki, E 028151
Miyazaki, H 022211
Miyazawa, Y 021304
Mizaras, S 025123
Mizell, B 024211
Mizota, C 030353
Mizrahi, S 022940, 022947
Mizrahi, Y 027274
Mizuba, S 026461
Mizuma, Y 023661
Mizuno, K 026595
Mizusawa, K 029638
Mizushima, S 028994
Mizutani, J 026341, 027098
Mkervali, V G 028099
Mladenova, Y I 026975
Mlodzianowski, F 028212
Mo, L 026328
Moberg, G 025827
Mobley, H E 025195
Mochida, O 028721
Mochida, Y 024048, 024049, 024050
Mochizuki, H 024626
Mochizuki, K 023568
Mockrin, S C 026405
Mocquot, J C 024019
Modak, S P 024069
Modell, J H 023470
Moe, R 027091
Moell, F 024292
Moeller, P W 022677
Moennig, V 024767
Moens, P B 026022
Moericke, V 028841
Moermans, R 027828
Moffat, I W 023777
Moghaddam, M R 027556
Mogilevets, IU K 030072
Mohammed, M A 025008
Mohan, G D 025372
Mohan, S T 027945
Mohanraj, D 027958
Mohapatra, S C 024078
Mohier, E 028286
Mohiuddin, I 022186
Mohr, E 022765
Mohrman, D E 023472
Mohs, H J 021834
Moign, D 022196
Moiseeva, T S 028911
Moisello, U 030720
Mojzis, V 027548
Mok, D W S 026164
Mokhnachev, I G 022835
Mokma, D L 030331, 030332, 030518
Mol, J J 022584
Molberg, E S 028502
Molchan, A P 028596
Molder, M 025181
Molina, J S 030583
Molina Sanchez, D 027362, 027392
Moll, M 022386
Mollenhauer, D 025615
Mollenhauer, H H 026023
Moller, F 030143
Moller, K 025482
Moller, M 026640
Moller, W J 028059, 028062
Molloy, L F 030268
Molochnikov, M L 025352
Molodtsov, N V 029296
Molyneux, R J 022483
Molyneux, W M 025752
Momot, T S 027322
Monange, Y 026434
Moncaleano L, J 029856
Moncrief, J B 028452
Moncrief, L W 021215
Mondies, M 027152
Mondot-Bernard, J 022193
Moneger, R 026701, 027248
Mongelli, R C 021589
Monget, D 029261
Mongia, S P 022107
Mongkolpanya, K 029053
Moniava, I I 026510
Moniavo, I I 027159
Monnat, M 024069
Monnier, M 023608
Monselise, S P 028414
Monsigny, M 026955
Montague, M J 027020
Montague, W 023501
Montaldo, P 025858
Montali, R J 024782
Montealegre, J 027661
Monteath, M A 021314, 023828
Montedoro, G 022979
Monteiro, L S 024018
Monteiro, M J C 021627
Montgomery, A A 025476
Montgomery, Charlotte 022296
Montgomery, R E 022674
Montigny, G de 024009, 024066
Monzie, P 030968
Moody, E L 024192, 024193, 024195
Moomaw, R S 028622
Moor, R M 024120, 024132
Moorat, A E 027606
Moore, A 027591
Moore, C V 021373
Moore, I 029658
Moore, J H 023585
Moore, J N 027713
Moore, J W 025901
Moore, N W 024011
Moore, P M 026671
Moore, R J 028504
Moore, R W 028562
Moore, S 021317
Moore, W S 029468
Mooring, J S 025937
Mooseker, M S 023497
Mor, H 027023
Moraes, F R P de 026526
Moraillon, R 024347, 024887
Morais, C de 021853
Morales, A 026720
Morales, G A 024741, 024744
Moran, J W 021920
Morand, J B 028136
Morano, Richard A 022276
Morat, M 023352
Morawiecka, B 026877, 026957
Morch, J 028989
Morchiladze, G M 030540
Morcom, C B 024207, 024209
Mordas', A A 025211
Mordkovich, S S 026951
Moreno, F 030258
Morgade, C 029081
Morgan, A P 023469
Morgan, A R 023302
Morgan, J V 027610, 027611
Morgan, K G 023222
Morgan, L O 026398
Morgane, P J 022073
Morganti, L 024748
Morgatskii, V N 021972
Morgerstern, G 021892
Mori, K 028244
Mori, S 025431
Morihara, D K 029522
Morillo Garcia, M 028515
Morimoto, B 026003
Morimoto, T 024488
Morinaga, K 026516
Morioka, A 024653
Morisita, M 029438
Morita, E 023178
Morita, K 027049
Morita, Z 025004
Moriuchi, S 022210
Moro, C O 021989
Moroch, K 022068
Morozeau, F 024016
Morozov, M F 025320
Morozov, P V 027046
Morozov, V S 023944
Morozova, G D 027046
Morozova, N F 022438
Morozova, S F 022437, 023030, 025316
Morquer, R 027913
Morr, C V 022591
Morrall, R A A 027923, 027930
Morre, D J 026023, 027017
Morris, E L 024718, 024993
Morris, G 024063
Morris, G R 024345
Morris, H A 022085, 022591
Morris, J G 023626
Morris, L G 029868, 029884
Morris, O N 028927
Morris, T R 023706
Morrison, I N 025993, 026934
Morrison, J N 022059
Morrison, J R 021093
Morrison, P E 029403
Morrison, R K 029401
Morrissy, J D 021099
Morrow, D A 024302
Morrow, L A 028610
Morse, E H 021997
Morse, R A 029728
Mortimer, P H 028574
Morton, I D 022506
Morvan, G 028187
Morvan, R 029447
Moryson, C J 024604
Moscovici, C 024764
Moscovici, M G 024764
Mosel, H D 023006
Moseley, J E 023816
Moser, B C 021513
Moser, J C 029659
Mosi, A D 030246
Mosiagina, N M 023031
Moskalenko, D M 030163
Moskowitz, H R 022069, 022070
Moss, J M 024202
Moss, S R 028327
Mostaghni, K 023453
Mota, M 026034
Motaj, M 026880, 029893
Motes, J E 030718
Motoriko, M G 021346
Motsara, M R 030312
Motta, P 024054
Motte, M E 026782
Mottram, D S 022685
Mougeot, H 024703
Mouillet, L 029079
Moulds, M S 029396
Mouli, C 026303
Mount, G A 029029, 029056, 029968
Mountain, C W 030956
Mountford, L A 022638, 022640
Mounts, T L 028660
Moura, V P 025077
Mourgues, R 022597
Moustafa, A F 030191
Mouthon, G 024355, 024831, 024832
Moverley, J 021250
Mowat, W P 028194
Mowbray, J 023280
Mowery, P D 028890
Moxley, J E 024099
Moyer, J W 028277
Moyse, A 026699
Mrak, E M 021878
Mraz, A 024922
Mrazkova, M 021236
Muchmore, W B 029358, 029590
Mudretsova-Viss, K A 028021

Muecke, W 023389
Muenster, O A 024467
Muir, J G 029778
Mukerji, N 030442
Mukhaev, B A 025040
Mukharji, S P 028861
Mukherjee, A K 025905
Mukherjee, A S 029297
Mukhin, N D 026257
Mukhin, V 027210
Mukhin, V D 021970
Mukhina, V IA 025403
Mukhitdinov, U 027433
Mukhopadhyay, A K 024552
Mukiibi, J 027878
Mukkur, T K S 024496
Mulcock, A P 022694
Mulder, I 023589
Mulla, M S 029023
Mullebner, H 029773
Mullen, M 030733
Mullen, M A 029240
Mullenhoff, P A 023825
Muller, A 024013
Muller, G 030573
Muller, H 024798
Muller, H M 028305
Muller, L D 023508, 023767, 024088
Muller, R 023227
Muller, W 027836
Muller, W E G 023600
Muller, W P 030877
Muller-Doblies, D 025618, 026423
Muller-Doblies, U 025618, 026423
Muller-Doglies, D 027142
Muller-Mulot, W 022225
Mullick, D B 025974
Mullin, R S 028323
Mulling, M 024251
Mullinix, K P 023491
Mulnix, J A 024919
Mulrennan, J A Jr 028980
Mulrow, P J 023206
Mulvihill, M J 029108
Muma, M H 029588
Mumma, R O 026619
Munakata, K 028519, 028679
Munawar, I F 025800
Munawar, M 025800, 025919, 026443, 026444
Munda, I 025878
Mundaca B, N 028702
Munday, B L 024433
Mungai, J N 024603
Munger, R J 024932
Municio, A M 029348, 029349
Munk, W J 025932
Munk, W J de 028301, 028302
Munro, C G 021786
Munro, H N 023704
Munzhuber, K 026731
Murai, T 026102
Murakami, T 026433
Murakami, Y 029540, 029542
Murakhver, V I 025320
Muramatsu, M 023660
Muramatsu, T 024142
Murao, S 026411
Murase, N 024489, 024655
Murata, N 026794
Muratore, E 030968
Muratov, IU M 027213
Murav'eva, L N 024265
Murayama, S 030531
Murcia, H H 021315
Murdoch, D B 024873
Murdoch, G 028809
Murnaghan, M F 023330
Murphy, E W 022115
Murphy, M 024602
Murphy, P A 024914
Murphy, P K 025888
Murphy, W E 030448
Murphy, W F Jr 024225
Murray, E 025697
Murray, G A 026894
Murray, G E 030602
Murray, J B 021259
Murthy, S K 023438, 023439
Murthy, T R K 024897
Murti, G S R K 030234
Murvanidze, M IA 028901
Murzin, S 029516
Musatov, A P 030758
Musatova, N A 027168
Muscholl, E 023595
Muse, K E 024435
Musgrave, A 026379
Musina, R S 025198
Musolan, C 026829
Musorok, G P 030291
Mussa, P P 024215
Mussche, R 022537
Musselman, E E 024929
Mussen, E C 029721
Musser, W N 021327
Mustea, D comp 028716
Muto, T 028967
Muto, Y 023582
Mutschler, M 022117
Mutsinietse, R P 023032
Mutsumi, M 024485
Myer, R O 023802
Myers, R L 028066
Mykhailova, M P 023673
Myklebust, R 023529
Myklestad, S 026640
Myles, G C 021524
Myron, D R 022141, 023538
Myros', V V 024245
Myrsina, R A 028795
Myrzaeva, S V 027135
Nabiev, A 027158
Nabokov, I G 026145
Nabrotzky, F 029479
Nachshen, D 029380
Nadakavukaren, M J 029293
Nadar, H M 027028
Nadaraja, R 024089
Nadareishvili, G E 030129
Nadirov, N K 022215, 023944
Nadkernichnyi, S P 028013
Nag Raj, T R 025662
Nagadevara, V 021245
Nagai, J 026591
Nagai, R 026055, 026816
Nagai, S 026978
Nagai, T 026341, 028445, 028446
Nagakura, N 026658
Nagao, Y 026663
Nagarajan, S 027935, 027939
Nagarajan, V 024567
Nagarcenkar, R 023124
Nagasaka, K 025180
Nagaski, S 026345
Nagata, M 030018
Nagayama, F 022410, 022411
Nagayama, K 021938
Nagiev, D A 028527
Nagle, M E 028060, 028070
Nagr, J 021138
Nagy, K 027551
Nagy, S 027259
Nahal, I 025873
Nahapetian, A 026973
Nahorski, S R 023592
Nahrstedt, A 026566
Naik, B N 029444
Naik, M S 026966, 026967, 027010
Nair, K K 029366
Naish, P F 023373
Naish, R W 028545, 028551
Naithani, R C 023431
Naito, M 021242
Najjar, S 026713
Nakagama, A 026911
Nakagawa, M 027099
Nakagawa, S 027101, 028870
Nakahara, T 024138, 024143
Nakahiro, Y 023577
Nakajima, H 024484
Nakajima, S 022648
Nakama, S 023566
Nakamoto, H 026983
Nakamoto, K 024631, 024633
Nakamura, A 026101
Nakamura, F 025418, 025431
Nakamura, I 026591
Nakamura, N 026983
Nakamura, Y 030271
Nakanishi, T 027903
Nakano, A 026849
Nakaseko, K 027824
Nakashima, K 026346
Nakashima, Y 023781
Nakata, M 028242
Nakatani, H 026883
Nakatsu, A 025016
Nakatsubo, F 025367
Nakayama, O 026588
Nakayama, T 022406
Nakazawa, H 030544
Nakhodkina, V Z 022824
Nakhshina, E P 030777
Nakladal, J 023793
Nakornchai, S 022000
Nakui, T 023066
Nalewaja, J D 028618
Namakoto, H 026984
Namiki, M 021324
Namory, M 023014
Nanda, S K 024078
Nanda, S S K 030319
Nandi, B 027887
Nandi, B K 023243
Nandpuri, K S 027178
Nanitashvili, T S 022990
Nanji, H 028125
Nanjundiah, V 026814
Nannfeldt, J A 025826
Nappi, A J 029425, 029431
Nara, N 025417
Narain, B 030298
Narang, S A 028228
Naravani, N B 030590
Narayan, K N 026025
Narayanamurti, D 025372
Narayanan, K 028643
Narayanan, R 030790
Narbaitz, R 023418
Narbekov, E A 023681
Narita, M 024655
Narkiewicz-Jodko, J 028393
Narucka, I 023735
Narzikulov, M N 028762, 028803
Narziss, L 022388, 022399
Nash, D T 027246
Nash, V E 025936
Nashimoto, K 022210
Nasinec, J 027538, 027546
Nasir, Y 025698
Nassi, M O 027117
Nastase, G 025229
Nastase, I 028954
Nastenko, P M 028455
Nasypaiko, V M 027523
Natarajan, S 028457
Nath, G 028686
Nath, J 030313
Nath, L M 022011
Nath, P 025426
Nation, J L 028859, 029330
Natow, A B 022290
Natrova, Z 027532
Natzke, R P 024596, 024597
Naumann, G 028166
Naumann, K 028133
Naumov, G I 026284
Naundorf, W 022733
Nauriyal, J P 027761
Nautiyal, A C 025689
Navar, L G 023200
Navaratnam, C 024500
Nawata, Y 028373
Nayar, J K 029416
Nayes, L M 021738
Naylor, A W 026789
Naylor, B 024044
Naysmith, J D 024533
Nazarenko, K S 027519
Nazarko, T I 027576
Nazirov, Z N 026468
Neal, H 029415
Neal, J W Jr 028749
Neal, P A 024916
Neal, R L 021319
Neathery, M W 024969
Nebel, L 024517
Nechaev, L N 022997
Needham, G R 029408
Needham, J R 024636
Neel, W W 028885
Neenan, M 026017
Neer, R M 022159
Neetz, R E 021531, 021537
Neff, D J 026987
Neff, E L 030707
Negi, B S 024548
Negovelov, S F 030542
Negrett F, A J 029488
Negrutiu, I 026795
Neidhart, B 030815
Neilson, R W 025539
Nekipelov, IU F 026247
Nekrasov, M D 025134
Nekrasov, V V 025407
Nekrasova, V B 025301
Nekrich, N A 022994
Nel, J E 023975
Nelms, G E 023637
Nelson, A I 022784
Nelson, C J 027103
Nelson, G S 023093, 023094
Nelson, J H 029048
Nelson, J W 028066
Nelson, L R 026943
Nelson, M L 024967
Nelson, R E 028450
Nelson, S H 027112
Nelson, W E 030178
Nemec, P 026415, 026416
Nemec, Z 024758
Nemoto, H 024485, 027350
Nemoto, M 028273, 028274
Nemoto, S 026912
Nepenin, IU N 025411
Nepomniashchii, O V 022764
Nesbitt, B F 029412
Nesbitt, G H 024301
Neshataev, V V 025126
Neskovic, M 027302
Nesterov, IA S 021119
Nesvetaev, N T 022720
Nesviachenaia, O T 023957
Netherton, H R 029073
Netke, S P 023712
Nettekoven, 021634
Nettelnstroth, K 022518
Neubauer, H F 027709
Neuhauser, H H 029006
Neumann, A 025849
Neumann, H H 030643
Neumann, J 027230
Neurath, H 026401
Neururer, H 028534, 028535
Neuzil, L 022851
Neveu, A 029224
New, J H 022435
Newcomb, S L 023215
Newell, E 026900
Newell, G C Jr 026970
Newland, M J 021279
Newman, C W 023864, 023868
Newman, J F E 024658
Newman, L E 024302
Newsam, R J 026027
Newsom, L D 028724
Newsome, F E 023654
Newson, H D 029009, 029043
Newton, D C 029805
Newton, J R 028827
Newton, R S 022150
Neyra, C A 027025
Nezdoiminogo, E L 025559
Ng, T T 026902
Nguyen Huy Ninh, 024893
Nichol, J E 021209
Nicholaichuk, W 030706
Nicholls, C H 022697
Nichols, D G 027118
Nichols, N E 023867
Nichols, S A 028598
Nicholson, B 021145
Nickell, C D 027441
Nickerson, A B 024675
Nickerson, J C 029214
Nickerson, K W 028660
Nicol, A M 022699
Nicol, H I 027766
Nicol, K J 030792
Nicol, S C 023550
Nicola, N A 026910
Nicolai, J 023095
Nicolai, J H 023096
Nicolas, A 027331
Nicolas, J A 029143
Nicolas, J C 024405
Nicolet, J 024640, 024641
Nicolson, D H 025832
Nicolson, J A 030786
Niebel, E 024286
Niederleitner, K 021491
Niederpruem, D J 025944
Niefind, H J 022400
Nielsen, D R 030377
Nielsen, E H 023233
Nielsen, F H 022141, 023538
Nielsen, G A 030333
Nielsen, H E 023792
Nielsen, J L 029065
Nielsen, J R 023143
Nielsen, L T 029062
Nielsen, P 024293, 024395
Nielsen, S W 022201, 023643
Nielson, R F 027555
Niemeier, R 030890
Niemela, T 025602
Nieminen, L 022557
Niemyski, K 027414
Nienartowicz, A 025855
Nienhuis, A W 023623
Niesslein, E 021728
Nieto, M 026745
Nieuwenhuis, D 026379
Nieuwoudt, J A 022639
Niezgodka, M 026877
Nifantov, G 021283
Nigam, J M 024315, 024963
Nijhawan, S D 030219
Nijhout, H F 029252
Nijhuis, H 022614
Nikiforov, N E 030134
Nikiforov, P E 027530
Nikishchenko, T K 026477
Nikitenko, G F 027507
Nikitin, G A 024267
Nikitin, S N 021972
Nikitin, V I 030086
Nikitin, V V 025554, 025708, 026615
Nikitina, N I 029317
Nikitsina, M S 030556
Nik-Khah, A 024290
Niklfeld, H 025848
Nikliaev, V S 027518, 027520
Nikolaenko, V T 025121
Nikolaev, B N 021828
Nikolaev, V A 021230
Nikolaishvili, R V 025236
Nikolenko, V G 027853, 030155
Nikoliuk, V S 025446
Nikolov, A 024409
Nikolov, S 025517, 025520, 030620
Nikolovski, T 025846
Nikonov, A 021769
Nikonov, G K 026470, 026476, 026489, 026499, 026500, 026502
Nikulina, N D 026139
Nikuni, Z 022420
Nilsen, J H 027600
Nilsen, M 023355
Nilsson, B 024836
Nilsson, E 030497
Nilsson, G 022208, 023181, 023186
Nisbet, D I 023749
Nishi, A 027238
Nishibori, K 022409, 022412
Nishida, S 023661
Nishida, T 023568
Nishihara, T 027144
Nishijima, W T 028075
Nishikawa, H 024654, 024656
Nishikawa, Y 024145, 026591
Nishimori, T 029450
Nishimura, H 027098
Nishimura, S 027982, 028045
Nishino, M 028823
Nishio, K 030667
Nishio, T 024484
Nishioka, I 026722
Nishita, K 022407
Nishiyama, I 026826
Nishmura, M 027269
Nisizawa, K 025631
Nissenbaum, A 026670
Niswender, G D 024056
Nitter, G 022721
Nitzke, Susan 022102
Niwa, E 022406
Niwa, M 026851
Nixon, E S 025924
Nizam, J 026866
Nizamuddin, M 025627
Noble, A C 022432, 022875
Noble, E A 024115, 024129
Noble, R C 023585
Noble, R E 025739, 025888
Nobuhara, J 026746
Noce, P S 023479
Noel, J 021373
Noel, P 024013
Nogamine, T 021466
Nogi, T 027054
Noguchi, M 027009
Nohara, T 026849
Nolan, J C Jr 023145
Nolan, P J 024318
Nolan, R A 026445, 027917
Noller, C H 023766
Noma, F 027659
Nomerov, B A 027215
Nomura, C 026912
Nomura, K 028876
Nomura, M 028213
Nomura, T 021954
Nomura, Y 030740
Nonaka, F 027888, 027889, 028213
Noon, J P 023596, 023598
Noordegraaf, C V 027635
Noordermeer, C E I 027881
Noordhoff, M G 022146
Noort, L van 021412
Nopp, H 029501
Nopper, H G 025359
Norberg, K 023184
Nord, J A 023386
Nordby, H E 027259
Norden, N E 024836
Noren, B 025496
Norgan, N G 022001
Norkus, E P 022027
Norman, B 025482
Norman, H D 024031
Norman, J C 027088, 027602
Normand, G 027035
Norrdin, R W 024854
Norris, J R 028655
Norris, R F 028456
Norrman, J 026684
North, C 026073
Northen, R T 025592
Norton, J S 021709
Norum, K R 022170
Norvell, W A 030638
Norwood, L F 021586
Nosberger, J 027367
Nosek, J 029672, 029673
Nosenko, V F 030681
Nosikov, V V 023311
Noskova, L V 030761
Notario, V 026382
Nouchi, I 026076
Nour, T A 026945
Nouws, J F M 021844
Novik, V G 022994
Novitskii, M N 025116
Novokhatka, V G 026268
Novoselov, IU M 025303, 025340
Novosel'tseva, A I 025128
Novostavs'ka, L P 021819
Novotny, S 021659
Novozhilov, K 028669
Novruzov, E N 026479
Nowak, J 030831
Nowakowski, J 025516
Nowakowski, T Z 030484
Nowosielski, O 027648
Nozaki, M 023363, 023685
Nozawa, Y 026015
Nozu, M 027974
Nuce de Lamothe, M de 026229
Nuesch, H 029294
Numata, M 028384
Nuno, M 025711
Nunomura, A 021932, 025430
Nurlybaeva, R 028910
Nutbrown, D A 030793
Nuzhnyi, A F 026249
Nwanze, K F 028984
Nyc, J F 026813
Nyholm, K 021820
Nyiri, L K 022384
Nykanen, L 022368
Nyland, G 028201
Nys, L 022908
Nystrom, B 023412
Oakley, B 023371
Oakley, B R 026820
Oates, J A 023583
Oba, Y 027100
Oballe de Espada, A 021623
Obando C, H 024213
Ober, J 029924, 029956, 030023
Oberg, R R 025260
Obidov, A 021405
Oblivin, A N 025395
Oborina, L M 025325
O'Brien, J M 023629
O'Brien, M 030140
O'Brien, R W 026381
Obritzhauser, W 030423
O'Callaghan, D J 024763, 024768
Ochiai, M 026729
Ocio, E 021438
Ockels, J 024368
Ockerman, P A 024836
O'Connor, B P 028553, 028571, 028775
O'Connor, N E 023469
O'Connor, P J 024577
Oda, K 024622, 027765
O'Daniel, W 028308
Odegard, K 027804, 027805
O'Dell, B L 022773
Odet, G 022631
Odinokova, L YU 029296
Odintsova, I G 028012
Odintsova, O V 028030
Odland, Dianne 021882
O'Donovan, J T 028603
Odriozola, J M 029349
Odumosu, O 023778
Oehler, D D 029024
Oehrens B, E 027891
Oertel, D 029295
O'Farrell, K J 024084
Offer, N W 023707
O'Flaherty, T 029874
Ogaki, C 028317
Ogasa, A 024137
Ogasawara, R 025166
Ogata, K 025272
Ogawa, J M 028072
Ogawa, M 026517
Ogawa, S 026811
Ogawa, Y 027012
Ogden, L J 029069
Ogg, A G Jr 028609
Oghalai, R 030733
Ogihara, Y 026464, 026513, 026659
Ogil'vi, N A 030765
Ogiwara, Y 025461
O'Grady, J J 029030
Ogrel', S M 025311
Ogura, M 024626
Ogurtsova, L N 026475
Ogurtsova, N A 026138
Oguz, T 024599
Oh, B T 023901
Oh, K R 024687, 024689, 024691
Oh, S D 022973

Ohara, H 027318
Ohara, M 023576
Ohashi, H 025713
Ohashi, Y 026102
Ohba, M 028654
Ohenoja, E 025601
Ohga, A 023567
Ohgane, T 023572
Ohinata, K 028867, 028868, 028873
Oh-ishi, T 026519
Ohizumi, Y 029837
Ohkawa, H 028485
Ohkura, T 026512
Ohlson, R 026664
Ohlsson, A 025497
Ohnuki, M 023572
Ohoka, H 030356
Ohsaki, Y 030358
Ohshima, H 022410, 022411
Ohta, T 026755
Ohtaka, F 021938
Ohtake, Y 023572
Ohtani, S 026350
Ohuchi, A 028132
Oikawa, H 024621, 024631, 024633
Oishi, H 028373
Oishi, T 026523
Oka, H 027824
Oka, M 024483, 026101
Okada, H 030929
Okada, I 029258
Okada, M 026394
Okada, N 021860
Okada, S 027326
Okada, T 026350
Okada, Y 030018
Okamoto, S 023688, 023877, 023878
Okanenko, A S 026138
Okawa, H 024630
Okazaki, H 026369
O'Kelley, J C 026697
O'Kennedy, B T 027197, 027204
Okhmat, P K 030160
Okiwelu, S N 029055
Okogun, J I 027325
Okolot, A S 022823
Okombi, G 027237
Okonkwo, A C 023069, 023887, 023895
Okubo, K 024539
Okubo, T 026994, 026995
Okuda, H 023542
Okuda, S 026516
Okuda, T 022959, 026746
Okuro, K 022841
Olander, R 023662
Old, K M 027976
Oldham, M L 029060
O'Leary, J W 026585
Oleinik, A I 021233
Olime, 026370
Olive, P 030666
Oliveira e Silva, F de 021434
Oliveira Filho, E C de 025630
Oliveira, G de 026742
Olivelli, V 023158, 029973, 030520
Oliver, G J A 023294
Oliver, J E Jr 024840
Oliver, R 024893
Ollerich, D A 022141, 023538
Ollivier-Bousquet, M 023532
Olowo-okorun, M O 023416
Olsen, R A 030342
Olsen, R G 024542, 024572
Olsnes, S 024952
Olson, C 024468
Olson, C C 022556
Olson, R A 027360
Olsson, U 030112
Olszewski, J 025516
Oltersdorf, U 021809
Oma, E A 029199
Omel'ianenko, A A 021456
Omid-Fard, N 023953
Omori, T 024657
Omtvedt, I T 024092
Omutov, A F 027569
Onal, I 030127
Onayemi, O 022929
Oncag, G 028893
Ondieki, J J 028300
Ondrusek, G 022175
O'Neill, D G 023972
O'Neill, G M 025218
O'Neill, R V 025893
Ong, T L 022651
Oniha, O 021526
Onji, P A 028653
Ono, K 022675
Ono, S 027350
Onodera, T 023780
Onunkwo, O 024751
Oohata, J T 027143
Oomen, G A C 030326
Oomen, P A 028797
Oomori, I 022494
Oosten, H J van 028181
Opekarova, M 026552
Opile, W R 026317
Oplinger, E S 027584
Oprea, I 025478
Oprita, V 025481
Oragvelidze, I Sh 021443
Oravec, J 023370
Orazem, F 021371
Ordanini, P 023651
O'Reilly, J 027334
Oreshonok, Z P 025345
Orhun, A 030387
Oriente, P 021989
Orion, D 028390
Orishchenko, A D 028471
Orlov, V 030488
Orlov, V A 025707
Orlova, L I 025399
Ormrod, D P 027206
Ornduff, R 025950
Oroshazy, L 027409
Orr, D E 023883
Orr, M F 023383
Orser, J 022117
Orskov, E R 023708
Orsulak, P J 024109
Orth, R 021945
Ortin Sune, N 022907
Orzechowski, J 023193
Osawa, T 026533
Osborn, R K 027870
Osborne, A D 024752
Osborne, D J 027194
Osborne, M P 023365
Osbourn, D F 023779
Osburn, B I 024470
Osdene, T S 026970
Ose, E E 024467, 024783
Osgood, C 029449
Oshchepkova, E P 025332
Oshiro, A 022884
Osiname, O A 030439
Osinga, A 024731
Osipchuk, A A 026311
Osipov, B F 026260
Osipov, G V 028469
Osipova, V P 022992
Oslender, M D 029368
Osler, R 028190
Osman, F 022808
Osman, P 024108
Osmanova, R A 025908
Osnaghi, E 028977
Osner, R C 022596
Ostaff, D 028928
Ostapchuk, M V 029983
Ostergaard, V 021410
Ostgren, J 022550
Ostmoe, J H 021668
Ostrand-Rosenberg, S 024403
Ostrovskaya, L K 027131
Ostrozlik, M 029994
Osuji, F N C 028973, 028974
O'Sullivan, B M 024816
Osumi, M 026554
Oswald, A K 028606
Otaka, K 024622
Otani, H 027982
Otero de la Espriella, R 027860
Otmianowski, T 021330
Otoul, E 026913
Otsuka, J 023346
Otsuki, Y 028241
Otsuru, M 024620
Ott, A 024281
Otto, G F 024750
Otto, H 025368
Ouchterlony, O 024569
Ough, C S 022874, 022875
Ourisson, G 023657
Oursel, A 027148
Outen, G E 023779
Ovcharenko, G V 028029
Ovchinnikov, YU A 023311
Ovchinnikova, M F 026219
Ovchinnikova, N P 023031
Overcash, M R 030913
Overcast, W W 021919
Overhults, D G 022845
Overman, A R 030714
Overstreet, J W 024158
Ovodov, YU S 026823
Owen, D 024661
Owen, D A A 023325, 023331
Owens, C D 029833
Owens, J C 028729
Owens, J N 025181
Owens, M J 024088
Owolodun, B Y 024478
Oxender, W D 024043
Oyama, Y 025417
Oyamada, T 024047
Oyenuga, V A 023778
Oyer, E B 023059
Oza, R M 025629
Ozawa, K 021136
Ozcan, H 024110
Ozeki, K 029520
Ozino Marletto, O I 021837
Paalmiae, V 021441, 030607
Pace, A 027152
Pacenovsky, J 024759
Pack, J C 025038
Padaki, G R 027394
Padalka, V V 022987
Padanyi, R 023335
Padheria, M M 021278
Padmanaban, V D 024563
Padova, R 021742, 022901
Padre, B C Jr 030530
Padzionau, K P 028596
Paganias, K P 030601
Page, L A 024591
Page, R K 024442, 024820
Pages, J 029671
Pagony, H 028934
Paik, B H 023881
Paik, Y K 023644
Pailthorpe, M T 022697
Pais, C 024934
Paiva, F M F 030715, 030716
Pak, N 022077
Pakes, S P 024613
Pakrashi, S C 026850
Pal, A 026850
Pal, D 030340
Pal, R 026709, 026747
Pal, R N 021098
Pal, R S 021581
Pal, S 024561
Pal, S K 028860
Palacios, R 023641
Palanska, O 022643
Palapina, L M 027514
Palec, V 024381
Palenius, I 025471
Paletskaia, L T 025909
Palfii, F IU 023957
Palii, A F 026138
Paliwal, G S 026050
Paliwal, K V 026965
Palkhiwala, A B 030591
Pall, B S 027946
Pallotti, G 021896
Pallutt, B 028493
Palm, G 027799
Palmer, A C 024825
Palmer, A K 025001
Palmer, E 024001
Palmer, F W 021625, 021626
Palmer, J 030061
Palmer, J M 027125
Palmer, R 022145
Palmer-Jones, R W 021934
Palotas, F 025281
Palumbo, S 022665
Palumbo, S A 022682
Panangala, V S 024499
Panar, L C 029366
Panarin, I V 026258
Panchenko, K A 022436
Panchenko, P M 027865
Panda, B 023138
Pande, P 030236
Pandev, P Shch 025322
Pandey, A N 025922
Pandey, P N 028686, 028897
Pandey, R N 030225
Pandit, R V 023446
Pandokhov, A D 025322
Pandya, R B 026906
Pang, R H L 024461
Pang, S F 023417
Panic, M 028163
Panichev, G P 025452
Panin, A D 022764
Panin, V A 021973
Panjarathinam, R 023443, 024553
Pankratov, A IA 026680
Pannikov, V 030502
Panno, M 022978
Panos Marti, P 023229
Panov, N V 027166
Pansaers, L 027739
Pant, J C 029341
Pant, N C 028845, 028847
Panteleev, A 027997
Pantis, I 025228
Pantiukhina, L 026206
Panton, P 022163
Pao, E M 022053
Paoletti, C 026221
Papadias, A 021843
Papadopoulo, P 029861
Papavero, N 029543, 029544
Papez, N J 023629
Papova, T S 030381
Papp, Z 030095
Pappo, S 028205
Pappo, Sh 027959
Paradies, M 027938
Parashos, G E 021890
Pardue, D C 021375
Pareek, R P 030318
Parencia, C R Jr 028748
Parham, E S 022186
Paris, J 024739
Paris, R R 026436, 026784, 026786
Parish, R W 026383
Park, J L 022627
Park, J M 024694
Park, K S 024691
Park, R 023539
Park, R B 026802
Park, R J 022676
Park, R L 023143
Park, S K 026242, 030334
Park, Y I 023644
Parkaru, E 027792
Parkay, Mrs Gy A 023796
Parker, J B 021500
Parker, J B Jr 021532
Parker, J S 026129
Parker, M B 028419
Parkin, M F 022576
Parkinson, K J 028402
Parkinson, T L 022728, 022729
Parmeggiani, A 023305
Parmley, W W 023467
Parnas, J 024415
Parodi, A L 024884
Parr, D R 027280
Parr, J 028785
Parratt, J R 023320
Parris, D S 023400
Parris, E C C 023753
Parrish, F C 023455
Parrish, F C Jr 021928
Parrott, D M 028403
Parrott, W L 028726
Parry, J M 026162
Parshikov, V N 026674
Parsons, J L 028267
Parsons, M J 023884
Parsons, P A 029347, 029642
Parthasarathy, P C 026633
Partida, G J 028984
Parvais, J P 026105
Parvaneh, B 022721
Pascal, T A 022206
Pascoe, R R 024972
Paseshnichenko, V A 026430
Pashchenko, P D 028628
Pashkar, S I 026138
Pashkovskaia, M T 022994
Pasolini, B 022625
Pate, J S 027016
Patel, A M 024081
Patel, A R 030447, 030450
Patel, G B 026454, 026460
Patel, I C 021278
Patel, P N 028137
Patel, R M 024081
Path, J 027752
Pathak, A N 030221, 030225, 030241
Pathak, P N 024545
Patil, D L 027163
Patil, M S 028353
Patil, R F 030590
Patil, S H 026303
Patirupanusara, P 028789
Paton, J Y 027247
Paton, N 026298, 026299
Patrascu, M 026104
Patriquin, D G 025869
Patro, G K 021268
Patrone, G 025105
Patsukevich, Z V 030379
Pattee, H E 022785, 022798
Patterson, D S P 023044
Patterson, H B W 022653
Patterson, J 023553
Patterson, L T 028495
Patterson, R L S 022690, 028985
Patterson, R M 025081
Patterson, S D 023283
Patterson, T M 028568
Pattison, M 024516
Patton, D R 025066
Patton, R S 023126
Patty, G E 021558, 021566
Patyka, V F 028013
Patzak, W 025356
Paufler, S 024279
Paul, H L 028257
Paul, S R 024332
Paula Neto, F de 025159
Paulech, C 028046
Paulen, J 022866
Paulet, G 023663, 023664
Paulet, P 027225
Paulian, R 029536, 029670, 029683
Paulik, V 026527
Paulin, A 027226
Paulin Neto, L 023151, 023914
Paull, R E 027037
Paulsen, J 024796, 024797
Paulus, H F 029691
Pauw, C de 022537
Pauzina, N 027790
Pavlenko, IU E 027044
Pavlenko, N M 022991
Pavliak, A I 030073
Pavliak, G A 030073
Pavlinov, N P 025072
Pavlov, A 021284
Pavlov, A N 026946
Pavlov, B I 025398
Pavlov, H D 021818
Pavlov, I F 028802
Pavlova, G A 028694
Pavlovic, A 024276
Pavlovskii, E S 025154
Pawar, A D 028844, 029581
Pawar, S S 024944
Pawlowski, J 029617
Pawluk, S 030194
Payette, S 025914
Payne, C G 023337
Payne, E 024199
Payne, J A 028057, 028884, 028885
Paynot, M 028537
Payrau, P 023606
Peabody, D V 028513
Peace, R W 023540
Peacock, J W 028930
Peakall, D B 024950
Peaker, M 023513, 023515
Pearce, J 024829
Pearson, G 023807
Pearson, G G 021179
Pearson, R C 028054
Peart, R M 027041
Peat, G 022008
Peberdy, J F 026376, 026671, 028394
Pech, J C 027146, 027234
Pechmann, H von 025296
Pecina, H 025370
Peck, G E 021587
Peck, N H 021140
Peddersen, Raymond 022260
Peddie, J F 024393
Pedersen, D 029470
Peeler, J T 021905, 021912
Peerboom, H 028181
Peeters, G 023521
Pegler, D N 025730
Pehrson, B 024253
Peiffer, R L Jr 024931
Peirce, L C 028058
Peisakhzon, B I 026540
Peled, M 022790
Peles, R 027176
Pelissier, F 030648
Pelissier, M A 029100
Pell, S 023806
Pellecuer, J 026782
Pellegrini, A 030989
Pellerin, P 022377, 026780
Pellerzi, A 024217
Pelletier, G 026104, 027931
Pelletier, J 023988
Pelletier, O 022050
Peloquin, S J 026164
Pelot, J 024000, 024002
Pelsue, N H Jr 021474
Pelt, W H J M van 022903
Pena-Iglesias, A 028170, 028191
Peng, A C 022948
Penn, J B 021665
Penna, J A 021628
Penner, D 028619
Penniall, R 023620
Pennings, A 024731
Penningsfeld, F 030408
Pennisi, L 028857
Penny, A 030478, 030479
Penny, I F 022689
Pensabene, J W 022680
Pensel, S 022397
Pepin, D 029381
Peppen, J F van 023747
Perapialitsa, V M 030555
Perdomo, A J 028859
Perdue, J F 024498
Pereira, C P 028342
Pereira, S A 026742
Pereira, S M B 025683
Pereira, V de P 022976
Perekhrest, S M 030780
Perepechen, I A 025107
Perera, B P M 028391
Peres, J M 030802
Peret, J 022137
Perez, A I 030725
Perez, C 024538
Perez Franco, J 024529
Perez, T C 023218
Perez Toro, A 027796
Perez-Albarsanz, M A 029348, 029349
Perin, J 022985
Perinykh, M S 025339
Perju, T comp 028716
Perkins, G 026835
Perkins, R J 025906
Perkins, R W 030883
Perkins, T III 027675
Perkova, B 021237
Perlasca, M 021897
Perlovskii, A G 028468
Permutt, S 023463
Pernow, B 023186
Perpezat, A 021966
Perreau, B 024018
Perrier, D M 022777
Perrin, R M 028636
Perring, M A 022943, 022952, 030481
Perron, J M 028838
Perry, F G 025507
Perry, J W 025941
Perry, L J Jr 027360
Perryman, P E 030724
Persiantsev, G V 025312
Persson, A 025500
Persson, B 028714
Persson, P O 022470, 022904
Perur, N G 030297, 030299, 030306, 030325
Perwanger, A 030035
Peschel, H 026364
Pesek, J 026154
Pesek, J T 030509
Pesic, Z 028255
Pesotskii, A N 025389
Pesson, B 028991
Pestova, T M 026290
Peteghem, C H van 022922
Petelina, N N 027573
Peter, V 023794
Peterkin, Betty 021848, 021883, 022255
Peters, D K 023373
Peters, D S 029692
Peters, K H 022615
Peters, P D 023531
Peters, R A 023544
Peters, R H 029058
Petersen, B J 022135
Petersen, C F 022724, 024307
Petersen, D R 023637
Petersen, J J 029040
Petersen, N 029847
Petersen, P H 024152
Petersen, R H 025776
Peterson, A J 024199
Peterson, J E 029280
Peterson, J L 021513
Peterson, J M 021746
Peterson, J R 027697
Peterson, L H 023207
Peterson, R 027703
Peterson, R W 025074
Peterson, S J 026358
Peterson, Tim O 022271
Peterson, V H 027441
Petkov, G 024342
Peto, S 029990
Petransky, I 029996, 030000
Petrenko, E B 022436
Petri, L 025290
Petrie, G A 027932
Petrini, M C 022818
Petrochilo, E 026089
Petrosian, G P 022988
Petrov, A P 025396
Petrov, M 025164
Petrov, S A 026016
Petrova, K V 023173
Petrova, N A 029493
Petrovets, I U 024270
Petrovic, J 023447
Petrovich, A I 025412
Petrovitz, R 029678
Petruccioli, G 022979
Petrukha, O I 028461, 028807, 028917
Petrushova, N I 028029
Petruzzelli, G 030193
Pette, D 023392
Pettersson, B 026550
Pettersson, H E 022616
Petteys, E Q P 028450
Pettinati, J D 022672, 022673
Petty, F 022154
Peukert, D E 027209
Peyraud, J C 027447
Peyron, L 022377, 026780
Peyrot, A 023267
Pfadt, R E 029212
Pfaff, F E Jr 023814
Pfeiffer, A 023595

Pfeiffer, G 022644
Pfeiffer, H 024815
Pfenninger, K 030521
Pflug, R 029926, 029947
Pflumm, W 029338
Pfunder, W 030891
Phan, C T 027227
Phan-Trong Tai, 022551
Pharis, R P 027335
Pharr, J W 024900
Phelps, A 023122
Phelps, P L 030903
Philip, O 025977
Philip, T 022495, 023526
Philipp, E I 027193
Philippe, C 029351
Phillippo, M 023996
Phillips, D E 027196
Phillips, J M 024519
Phillips, J R 028735
Phillips, L A 024461
Phillips, P A 028817
Phillips, R L 023863
Phillips, R W 021724
Phillips, W D 023656
Phillipson, R T 022859
Philpot, W N 024597
Phipps, J B 025659
Phokela, A 028842
Piaggesi, T 026685
Piana, G 024991
Pic, J 021222
Picard, E 026919, 026920
Picard, J 030802
Piccolo, L 026830, 028792, 030335
Piccot, F 021965, 030958
Pichon, M 030968
Pickard, R S 029801
Pickelmann, P 029398
Pickens, L G 029010, 029026
Pickett-Heaps, J D 026817
Pickford, R 029198
Pickford, S G 025257
Pickova, J 023939
Pidvysots'kyi, V F 027563
Piechowska, M J 029441
Piedrabuena Leon, D A 024295
Piekos, H 025679
Pien, J 022641
Piening, L J 027931
Pienkowski, R L 028710
Pieper, R D 027525
Pierce, N W 029056, 029968
Pierce, R O 022843
Pierre, J F 025650
Pierrepoint, C G 024918
Pierscionek, Z 021330
Pierson, J 023791
Pieshkov, I M 021341
Piesse, R L 023022
Piest, R F 025063
Pietkiewicz, J B 028047
Pietruszewski, S 030119
Pietsch, D 027457, 027458
Piialkin, V N 025301, 025324, 025403
Pijoan, C 024480
Pike, R 022896
Pikul, J 021953
Pilet, P E 027149, 027233
Pilipenko, I I 025339
Piliugin, L M 030133
Pillai, A 026532
Pillai, C G P 026763
Pillai, S C 030311
Pillemer, E 021675
Piltz, J 027774
Pilz, K 024029
Pimenov, A T 022989
Pimenova, M N 026686
Pimentel, D 029003
Pimentel, David 022254
Pinault, L 024348, 024891
Pinfield, N J 026801
Pingree, R D 026691
Pinkas, L L H 027056
Pinterova, J 028971
Pinto C, M 021833
Pinto, G L 022976
Pinto, M 026221
Pinto, M F 027822
Pinto, M R M 024500
Piovarci, A 026151
Piper, G L 028986
Pipy, B 023558
Pires, E L 021143
Pirkelmann, H 021449
Pirone, T P 028270
Pirtskhalaishvili, S Kh 026836
Pisani, J F 029809
Pisarev, B 028141
Pisarevskaia, E A 025314, 025411
Piskornik, Z 027067
Pis'mennyi, N R 025113
Pitas, R E 022150
Pitet, G 029078
Pitman, A R 030566
Pitman, M G 026901
Pittet, A O 022116
Pittillo, J D 025673
Piva, G 024991
Pivko, J 024242
Pla, I 030365
Placzek, L 021942
Planer, F 028325
Planitz, E L 023076
Plank, J E van der 028295
Plapp, B V 023295
Plastinin, A V 025409
Platnick, N I 029531
Platon, V I 028472
Platov, E M 024265
Platt, B 023917
Platt, T 025863
Plesnik, J 022713
Pleszczynski, S 021330
Pletinckx, A 023010
Plisek, K 024757
Pliske, T E 029215
Plouvier, V 026437
Plumb, R H Jr 025918
Plumb, R T 028162
Plus, N 029225
Pluzsik, A 025287
Pochanina, L 027999
Pochapskaia, E M 028121
Pochard, E 027612
Pochini, A 026561
Pocock, D H 024426
Podbielkowska, M 027095
Podchernyaeva, R YA 029317
Podell, Richard N 022132
Podgornov, G M 026939
Podlaha, O 026664
Podzorov, N V 025035
Poe, S L 028866
Poelt, J 025619
Pogosyan, A I 025690
Pogozheva, M F 027579
Pohl, A 022396
Pohl, J 022525
Pohl, R W 025635
Pohle, A 025899
Pohlit, W 026824
Pohorlets'kyi, B K 021343
Pohrebniak, P L 021342
Poincelot, R P 030432
Poirier, M X 022548
Poirier-Hamon, S 026065
Pokojska, A 027303
Pokorny, J 022523, 022551
Pokorny, S 022551
Pokorny, V 027554
Pokryshkin, O V 025401
Polak, J 028221
Polan, C E 021918
Polatschek, A 025849
Polderman, P J G 025866
Polegaev, V I 028438
Polezhaev, L V 023603
Poliakov, I M 028109
Poliakov, V S 025107
Poliakova, A V 025107
Polishvaiko, M N 026136
Politowski, K 028052
Politz, S M 026750
Pollard, C 023379
Pollock, D D 021550
Pollock, H G 023478
Pollock, J R A 022393
Pollock, J S 026297
Pollock, R D 030399
Pollock, V 025267, 025268, 025270
Pollok, L B 025474
Polls, I 029037
Polovyi, M P 027559
Polozhentsev, P A 028964
Poly, J 023803
Polyakov, M A 027275
Polyanovskii, O L 023311
Polzin, P E 025168
Pombier, E C 024635
Pomeranz, Y 022786
Pomerleau, R 025770
Pomeroy, M K 027021
Pommer, J H T 024362
Ponce, V M 030942
Poncelet, G 024193
Pond, W G 023818
Pondant, A 023911
Ponec, J 023405
Ponican, J 022732
Ponomarenko, N G 028901
Ponomarenko, V N 028908
Ponomarev, V N 021337
Pontailler, S 023790
Poole, A R 023503
Poole, D K 025898
Poole, J P 025808, 025810
Poore, D 030866
Poovaiah, B W 027274
Pop, L 025664, 026449
Popando, I A 026266
Popay, A I 027038
Pope, F Jr 021666
Pope, M 026190
Popescu, A 022202
Popescu, Felicia 022177
Popescu, H 027339
Popescu, O 025160
Popko, V I 030160
Popov, D 026828, 028276
Popov, N I 021459
Popov, P A 028474
Popov, T 024413
Popova, L YA 030983
Popova, M A 023682
Popovic, V 030546
Popovici, T 025160
Popovych, H H 024770
Popovych, P D 030563
Popow, G 027454
Poppe, E 023795
Popracova, G 026416
Poras, M 029260, 029277
Porath, J 027172
Porter, C C 029530, 029587, 029589
Porter, D L 028294
Porter, J F 028565
Porter, P E 029119
Porter, W L 022938
Portier, J 030852
Portmann, B 023315
Posati, Linda P 022120
Pospelov, L P 028024
Post, C J van der 027623
Post, D F 021210
Postiglione, A 021989
Posvar, Z 021237
Potapov, A I 025413
Potke, E 022867, 022868
Potocek, J 028101
Potter, B G 025011
Potter, I C 025901
Potter, N N 022929
Pottier, L 022383
Pottinger, R P 028773
Pottle, H W 027954
Potts, J T Jr 022159
Potts, P L 023339
Potts, S F 030109
Pouchelon, J L 024351, 024886, 024892
Poulose, M V 024045
Poulovassilis, A 030349
Poulsen, J H 023557
Poupet, A 028225
Pouwer, A 028303, 028306, 030514
Povarov, A A 025216
Powell, A M 025584
Powell, D F 028329
Powell, J E 024173
Powell, J V 021605
Powell, N T 028147
Powell, R D 027584
Powell, R L 024031
Power, G G 023215
Power, J F 026892, 027358
Powers, C D 029095
Poyser, N L 024044
Pozhar, Z A 028461
Poznanski, S 022623
Praagh, J P van 029820
Pradhan, G M 025591
Pradhan, K 023037
Prakash, I 028458
Prakash, L 026650
Prakash, O 030442
Pramer, D 029103
Pran'ko, L IU 021814
Prasad, C 021107, 021112
Prasad, J 030241
Prasad, K 028719
Prasad, M 030476
Prasad, R 027425
Prasada Rao, M 026296
Prasada Rao, N G 026134
Prasanna, H R 026601
Prat, R 026065
Pratt, J 021744
Preest, D S 028552, 028567
Prego, A J 030584
Prendeville, G N 028603
Prendiville, M 027714
Prensky, W 028279
Preobrazhenskaya, M E 023308
Preston, H J 021572
Pretlow, T D 027291
Pretorius, P S 023691
Preusser, H J 026039
Prevost, J 028537
Prewitt, L R 023695, 023756
Prezelin, B L 026743
Price, D 027883
Price, D R 021313
Price, D W 022062, 029657
Price, D Z 022062
Price, J A Jr 025936
Prichard, M M L 023177
Prickett, T A 030633
Prieels, J P 022083
Priestley, R J 022780
Prigent, M J 026438
Prihar, S S 026889
Prilepskaia, N A 028901
Primakovskaia, M A 028114
Primm, B K 021371
Prine, C A 023635
Pringle, W L 030197
Prior, R N B 029407
Prioul, J L 026699
Pritsch, G 029784
Privat, G 026782
Privat, J P 026955
Procaccini, F 030636
Procopiou, J 027208
Proctor, D J 022565
Proctor, F J 022865
Prokhorchuk, T I 025406
Prokhorov, V A 027044
Prokof'ev, O N 029187
Prokof'ev, V P 030769
Prokopek, D 022613
Prokopenko, N S 025437
Prokopenko, S F 028807
Prokopenko, V N 025327
Prokop'ev, M N 025206
Prokopy, R J 028841
Prokshin, G F 025403
Prols, H 023388
Prophetou, D A 028837
Propstl, G 021578
Proskura, I P 021340
Proskuryakov, M T 023369
Prosperi, S 024748
Prothero, B L 029466
Protz, H 030009
Proulov, Y 021875
Provansal, A 029274
Proverbs, M D 028827
Provvidenti, R 028217, 028268
Prugar, J 027557
Prunet, P 024682
Prutkin, L 024838
Przyklenk, M 025492
Pshechenkov, K 027996, 030066
Pshenichuk, R F 028108
Puchkarova, T N 030381
Puchnin, A M 023086
Puckey, D J 028985
Pudelko, J 028618
Pudelski, T 027620
Pudles, J 026557
Puech, A 026782
Puech, J 026915
Puff, C 026800
Pugachev, A P 030288
Pugh, P R 026691
Pugin, B I 025402
Puhan, Z 021870
Pujol, B 027152
Pulatova, E Kh 027300
Pulleyblank, D E 023302
Pulliam, H R 025895
Pumplin, D W 029435
Punekar, B D 021903
Purcelean, S 025232
Purcell, W D 021829
Purchas, R W 023801
Purchase, H G 024456
Purnasiri, A 029073
Pursel, V G 024118
Puschmann, J 021836
Pushkareva, I D 028026
Pushkin, a V 027134
Pushman, F M 030477
Putieva, Zh M 026507
Putnis, E O 025327
Puustjarvi, V 027636
Pyatt, E E 030725
Pye, A 029373
Pye, D 024638
Pykh, IU A 030988
Pyndak, V I 025391
Quaglino, G 024215
Quak, F 028208
Quance, L 021182
Quantin, P 030279
Quarterman, J 022059
Quartulli, S 022538
Quebedeaux, B 027019
Quednau, F W 028926
Queen, W H 026587
Queinnec, Y 029436
Quencez, P 030108
Quennemet, J 027248
Quervain, M R de 022447
Quezel, P 025610, 025611
Quigley, F R 026846
Quigley, G J 026812
Quinby, A H 030914
Quinn, C 026567
Quiot, J M 029265
Quistorff, B 023184
Quoirin, M 027717
Qureshi, A A 025799
Ra, K J 023881
Raab, C 022226
Raabe, R D 027880
Raatikainen, M 027364, 027365, 029364
Raatikainen, T 027364, 027365
Raats, P 022859
Raats, P A C 030232, 030389
Rabe, D L 022842
Raberger, G 023374
Rabochev, I S 030254
Rachinskii, A A 030672
Rachkovskii, L N 023172
Rachman, A 021472
Rachmilewitz, M 022007
Racine, C H 025677
Raciti, G 028857
Rack, G 029591
Racker, E 023477
Racz, G J 030823
Radcliffe, J E 026990, 026991, 026992, 027461
Raddi, P 027988
Radding, C M 026631
Radhakrishnamurty, R 029371, 029372
Radhamani, M K 025384
Radics, L 026844
Radler, F 026868
Radloff, H D 023858
Radoczky, S 022757
Radojevic, L 027302
Radvanyi, G 030105
Radwan, M A 028952
Rae, S J 028423, 028568
Raeside, J I 024133
Rager-Zisman, B 029440
Raghavendra Rao, M R 026603, 026606
Ragland, J B 022154
Ragozina, I A 021971
Rahacek, J 029427
Rahi, G S 030178
Rahman, A 024374, 029156, 029158, 030326
Rahn, C H 022516
Rahozhnikau, V R 028597
Rai, B N 024563
Rai, D N 024543, 024562
Rai, K N 026132
Rai, K S 029388
Rai, P 024843
Raicu, P 026104
Raid, L K 030496
Raineri, R 021839
Raines, A 023264
Raj, R K 026610
Rajagopalan, T G 026633
Rajalakshmi, K 022191
Rajamai, A 027395
Rajan, K S 022003
Rajendran, M P 029019
Rajhathy, T 026241
Raju, G S N 030239
Raju, K V 028661
Rakes, J M 024221
Rakhimov, E 028762
Rakhimov, Kh R 027434
Rakhimov, M M 026938
Rakhmanov, U R 021401
Rakhmatov, I 030684
Rakshy, S E S E 022581, 022582
Ralambosoa, J 027229
Raleigh, R J 023855
Ralph, C L 023417
Ralphs, M 028595
Ralston, A T 024223
Ram, H Y M 026006
Ram, P 030237, 030245
Rama Rao, K 025877
Ramachandra, K T 027407
Ramachandra Rao, L 024306
Ramachandran, K 022011
Ramachandran, K S 026633
Ramaiah, P V 021113
Ramaiah, T R 029790, 029791
Ramakrishanan, N 028674
Ramakrishna, S 026953
Ramakrishnan, P S 028542
Ramalingam, S 029633
Ramamurthy, A K 027394
Ramanathapillai, O 028717, 030451
Ramanava, T A 030381
Ramane, I A 023087
Ramani, K 024567
Ramaswamy, S 028177
Ramaut, J L 026429
Ramberg, C F 024332
Ramirez G, C 025856
Ramlot, P 021246
Rammier, E 022733
Ramos, D E 028059, 028062
Rampin, D 024702
Ramrakhyani, A K 029017
Ramsay, D J 023551
Ramsdell, D C 028066
Ramthun, I E 028530
Rana, B D 028458
Ranawana, S S E 023723
Ranaweera, K N P 023722
Rancitelli, L A 030883
Randag, J E T M 021775
Randall, C C 024763, 024768
Randall, R F 029879
Randhawa, G S 027180, 027182
Randhawa, N S 030466
Randle, P A 021227
Rangaswamy, J R 029114
Rangaswamy, N S 026741
Rango, A 030785
Ranjan, R 021111
Rank, G H 026125
Rankov, V 028529
Rantsios, A 022650
Rao, A M 023438
Rao, A N 026049
Rao, A V 022034
Rao, B R 024082
Rao, C V 024037
Rao, E Y T 026407
Rao, G A 023511
Rao, K B 028543, 030299, 030325
Rao, K K 026404, 030303
Rao, M R R 026602
Rao, M S N 022776
Rao, N A 026968, 026969
Rao, N P 022190
Rao, S L N 026402
Rao, S P 027177
Rao, S S 024555, 024556
Rao, T K 026407
Rao, T P 029792
Raper, Nancy R 022088
Rapley, P E L 028657
Rapoport, E H 030278
Rapp, A 022850, 022892
Rapport, E W 029291
Rasenack, D 021941
Rashidov, Kh I 027437, 027438
Raskin, Betsy 022248, 022360
Raskin, I M 022221
Rasmuson, T 029373
Rasmussen, E 030581
Rasmussen, F 024293, 024395
Rasmussen, G K 027263
Rasmussen, H P 026759
Rasmussen, J A 028491
Rasocha, V 027848
Rasool, S 027394
Rast, D 025994
Rast, T B 028272
Rastogi, R P 026709, 026747, 027330
Rasulov, F K 028763
Rasulov, K T 030534
Ratcliff, D 022676
Ratcliffe, J G 024107
Ratcliffe, R H 028749
Rateau, A 030811
Rathburn, C B Jr 029047, 029049
Rathnam, C K M 026599, 026600
Ratiani, D P 024219
Ratkowsky, D A 028382
Ratner, Y 030465
Rattenborg, C C 023464
Rattner, D 024085
Rattray, P V 023827
Raturi, A S 027319
Ratzlaff, C D 026925, 026926
Rauh, W 025957
Rausch, H 029510
Rausch, W 025722
Rauzi, F 030708
Ravel, P 030473
Raven, B C 022290
Raven, P H 025584
Ravid, N 027750
Rawat, J S 023441
Rawat, R R 029316
Rawlings, G D 030912
Rawlins, D E 021606
Rawson, J E 028579
Rawson, J M 027586
Ray, B 022042
Ray, D E 021791, 021792
Ray, E E 022670, 023759
Ray, G L 021106
Ray, S M 021923, 021929, 021930
Raychaudhuri, D N 029541
Raychaudhuri, S P 027964, 028251, 030322
Rayle, D L 027020
Raymond, W R 022950
Rayner, C J 023015
Raynor, S W 027704
Rayssiguier, Y 022063
Razeto M, B 030525

Razmakhnin, IU E 023959
Razoriteleva, E K 026286
Razumovskii, A G 027513
Read, R A 025193
Read, R A comp 025194
Reaves, C A 029979, 029980
Rebenko, V P 028465
Reboucas, M M 029000
Reca, A 030278
Rechard, P A 030699, 030702
Reddell, D L 030738, 030921
Reddy, A G S 026025
Reddy, A N 027164
Reddy, H G 025384
Reddy, H R 028233
Reddy, M N 030306
Reddy, M S 026296, 027051
Reddy, R P 026134
Reddy, V A 026968, 026969
Reddy, V K 023444
Redei, G P 026084
Redfern, M 029905
Redington, B C 024750
Red'kin, A K 025450
Red'kin, I P 024923
Redmond, D E Jr 023662
Redner, J H 029553
Redshaw, P A 026194
Redstrom, Ruth A 022086
Redzhepbaev, K R 030254
Ree, V 030889
Reed, A D 021433
Reed, D E 024088
Reed, D K 028864
Reed, N D 024576
Reeder, B D 028443
Reedy, L M 024361
Rees, A R 027072, 027629, 027651
Rees, D M 029068
Rees, H 026008, 026228
Rees, H H 029251
Reese, D 021432
Reetz, I 024254
Reeves, J J 024095
Reeves, J T 023410
Reeves, L Z 030178
Reeves, R D 030869
Refatti, E 028190
Regard, A 029862
Regenthal, A 029068
Reger, J F 029437
Regis, H 023353
Regis, R 024067
Rehbein, G 030183
Rehbinder, C 024292
Rehfuess, K E 027317
Rehme, P 021655, 021656
Reibstein, D 029202
Reichel, F 024381, 024382
Reichert, U 026193
Reichle, D E 030885
Reichle, G 021945
Reichling, R 021741
Reid, C F 024330
Reid, C S W 023832
Reid, D A 025774
Reid, E H 026767
Reid, J D 022840
Reid, J T 023615, 030114
Reid, M 029754
Reid, W M 024447
Reijnierse, G L A 023286, 023289
Reimann, O 029344
Reimer, D 023145
Reimold, R J 026432
Reinacher, M 024421
Reinbergs, E 027383, 027926
Reiners, J C 030417
Reinert, J 027040
Reinert, R E 029155
Reinhardt, D 023266, 023408
Reinhold, L 026030
Reinikainen, A 022557
Reinprecht, 029763, 029765
Reis, D 026024
Reis, E M 028002, 028003
Reis, J C G dos 021630
Reis, M S 027911
Reise, K 029471
Reisen, Robert 022272
Reisen, W K 029046, 029222
Reiss, A 030653
Reist, A 022977
Reist, P C 030930, 030931
Reitsma, S 023199
Rejment-Grochowska, I 026331
Rekib, A 023038
Remneva, Z I 028153
Rempt, D 024372
Remund, U 028896
Renard, J J 025469
Renaud, S 021990
Renda, T 023240
Reneau, J K 024818
Renkawitz, R 029299
Renn, D W 021830
Renner, E 024282, 024417
Rennie, D A 030821
Rennie, J C 024164
Renon, C 029238
Renoust, M 028696
Renshaw, H W 024338, 024584
Renton, D A 028960
Repa, H 023730
Repetun, S I 030747
Reppo, E A 030287
Repshas, E A 025118
Requena, M 023218
Resch, K 029770, 029771
Resende, M H 030687
Reshef, Y 022007
Reshetnikova, I A 028006
Reshetova, E K 028016
Reshto, IU I 025318
Resnick, O 022073
Resovsky, S 023794
Reszka, J 022479
Reszka, K R 022479
Retan, A 028833
Rettinger, J J 025505
Reuss, U 024365
Reuter, H 022439
Reva, V I 022993
Revenko, E I 030575
Rexroad, C E Jr 024224
Rey, C 022977
Rey, C R 021928
Rey, J 023992
Rey, L 022461
Reynaert, R 023521
Reynolds, C R 028735
Reynolds, H T 028733
Reynolds, J F 026359
Reynolds, R H 021243
Reznicek, J 021237
Reznik, G 023581
Reznikovskii, A Sh 030656
Reznik-Schuller, H 023581
Rhea, U 021905
Rhee, S K 022975
Rhenius, V J 022489
Rhoads, D A 027486
Rhodes, A P 026203
Rhodes, D N 022685, 028985
Rhodes, M J C 027255, 027256
Rhodes, P J 028575
Rhodes, R J 021719
Rhodes, V J 021257
Riabukha, E V 027328
Riazanov, V M 026854
Riazentsev, N V 025326
Riazi-Hamadani, A 030202
Ribadeau Dumas, B 022632
Ribble, D W 029704
Ribeiro, A S 028004
Ribeiro, J C 025159
Ribereau-Gayon, P 022915
Ribuffo, A 021880
Ricard, J R 027139
Ricci, G 022428
Rice, C E 030739
Rice, M J 029393
Rice, R W 023858
Rice, S 024311
Rice, T R 025902
Rich, A 026812
Rich, J R 028864
Rich, T D 021329
Richalet, J P 023642
Richard-Molard, D 022739
Richards, D 025546
Richards, L J 026644
Richards, P 025896
Richardson, A J 027465
Richardson, B B 029054
Richardson, B F 024993
Richardson, J W 021791, 021792
Richardson, M 024520
Richardson, P D I 023332
Richardson, R 030805
Richardson, R A 030957
Richardson, T 021917
Richarts, L E 021484
Richert, S H 022591
Richey, E J 024465
Richharia, V S 024609
Richheimer, S L 022036
Richter, H W 022047
Richter, J 028221
Richtik, J M 021158
Rick, A de 024915
Rickard, M D 024792
Rickard, R 021608
Rickard, W H 029533
Ricketson, C L 027821
Rico, A G 024898
Ricolvi, M 030694
Riddering-Drijver, A A 029831
Riddiford, L M 029253, 029420
Ridgway, R L 029401
Ridler, R D 028777, 028887
Ridolfi Cirilli, A 023075
Riebe, K 021072
Riedemann, S 024799
Riegle, G D 023224, 024989
Riemann, H P 024443
Riemann, U 030973
Rienits, K G 026900
Rietschel, G 029076, 029077
Rietveld, W J 028451
Rietzel, P 027746
Riggall, L 027667
Rikhter, M 030535
Rikhter, V A 028695
Riley, M L 022702, 022706, 023627, 023631
Riley, R G 027271
Riley, R L 023201
Riley, W B Jr 029905
Rim, Y D 025039
Rinaldi, A 029044
Rindani, T H 024555, 024556
Rinderer, T E 029843
Rinehardt, C G 022563
Ringkob, T P 022705
Ringle, E C 022433
Rioux, J A 029535
Ripa, F 021768
Rippel, W 023581
Ripperger, H 026744, 026762
Ripperton, L A 030913
Riquelme, E 023080
Rissing, S W 029467
Rist, M 030015, 030807
Ritchie, A L 027239
Ritchie, B C 023466
Ritchie, G A 027247
Ritchie, J D S 024973
Ritchie, J W K 023543
Rittel, L 029923
Rittenbach, P 024026, 024027
Rittenhouse, L 023146
Rittenhouse, L R 023855
Ritter, L 026907
Rittler, A 024238
Rivard, S 027677
Riveneau, B 021429
Rivero G, A 024701
Rivers, J M 022043
Riviere, J 026370
Riviere, J W M la 030908
Rizki, R M 029448
Rizki, T M 029448
Rizzuto, F 022195
Roach, B 026299
Roach, B A 025255
Roach, B T 026293
Roach, P J 023307
Robak, J 030395
Robaux, P 029524, 029525, 029526
Robbelen, G 028032
Robbins, G S 022786
Robbins, R R 026064
Roberge, G 027445
Roberge, M R 025223
Robert, L 023606
Robert, M 030186
Roberts, A N 027080
Roberts, A V 026097
Roberts, B A 023044
Roberts, J E 022703
Roberts, M C 023560
Roberts, M F 026740
Roberts, R C 024190
Roberts, R H 029045
Roberts, R S 029062
Roberts, T A 021936
Roberts, W C 029802
Roberts, W J 021513, 029987
Robertson, A 029365
Robertson, A G 028569
Robertson, A J 026125
Robertson, H D 028279
Robertson, L 030206
Robertson, L S 030331, 030332, 030518
Robin, J P 022380
Robinson, A B 022036
Robinson, A G 029660
Robinson, A J 024762
Robinson, A R 023356
Robinson, B A 022057
Robinson, D W 023716, 028522
Robinson, F 021373
Robinson, H 025820
Robinson, J E 022879
Robinson, J J 024008
Robinson, J S 024107
Robinson, M F 022057
Robinson, T J 024188
Robinson, V L 025476
Robinson, W L 025069
Robison, J P 027484
Robson, John R K 022249
Robson, T O 028587
Robson, W A 024946
Roch, P 023593
Rocha, G L da 027499
Rocha, S B da 022797
Rochaix, M 028087, 028092
Rochat, E 026932, 026933
Roche, J F 023999
Rochet, M 023870
Rock, G C 029313
Rockett, C L 029413
Rod, J 026156, 027411
Rodd, R S 021167
Rodenberg, J H 025529
Rodenko, G F 023084
Rodin, A R 025118
Rodionov, V I 025435
Rodionova, Z V 026310
Rodnikov, N 027785
Rodriguez, D 023508, 023767
Rodriguez, J G 028839
Rodriguez Luis, F 026361, 026362
Rodriguez-Iturbe, I 030787
Rodriguez-Lopez, E 023201
Rodway, R G 023281, 023282
Roe, B 022936
Roe, K E 021082
Roeder, A 025089
Roefs, T G 030795
Roelofs, w L 029417
Roemhild, G 029665
Roff, J W 025381
Roffler, R E 023771, 023772
Rogachev, G P 030784
Rogacheva, A I 030762
Rogash, A R 026274
Rogdakis, E 023686
Roger, S 021939
Rogers, C E 028750, 028793
Rogers, G B 021426
Rogers, H 021096, 030913
Rogers, J W 030333
Rogers, K D 022051
Rogers, K J 023592
Rogers, L E 029533
Rogers, M J 030485
Rogers, R A 027103
Rogers, R R 028729
Roget, E L 025095
Rognon, F 026229
Roguet, R 023274
Roh, J K 021917
Roh, S M 027077
Rohal's'ka, L S 023943
Rohde, H J 023600
Rohrbach, R P 030142, 030145
Rohweder, D A 027346, 027583
Rohweder, O 025616
Rojas, M B 021628
Rojas Z, S 030525
Rokholt, P O 021668
Roktanen, L S 030629
Roland, C 029374
Roland, J C 026024
Rolfe, E J 022787
Roling, M P 029287
Roll-Hansen, J 030400
Rollin, P 026698
Rolls, B J 023551
Rolston, M P 028569
Roman, A R de 024649
Romanenko, Zh K 025314
Romano, J C 026435
Romanova, L M 026272
Romanowski, R R Jr 028583
Romans, J C C 030206
Romans, R C 025798
Romer, A 026744
Romero, J 027272
Romisondo, P 027710
Rommelaere, J 026391
Romo, C R 022787
Romsdhit, J 024675
Romsos, D R 023885
Ronchetti, F 027257
Roncin, G 023664
Ronderos, R A 029196
Rondeux, J 025078
Ronte, D 029858
Roose, E J 030616
Rooy, M J de 027876
Rorsch, A 030230
Rosas Romero, A J 022506
Rosay, B 029479
Rose, D 026442
Rose, G H 023385
Rose, W R 024392
Rosen, S D 026410
Rosenberg, A 026977
Rosenberg, K 021742
Rosenberg, N J 025030
Rosenberg, S L 026457
Rosenberger, J H 024377
Rosenberger, J K 024451
Rosenblatt, S M 021750
Rosenow, D T 027458
Rosenstein, R 023473
Rosival, L 029168
Rosler, H 026735
Rosmalen, W C van 024370
Rosnati, L 023072
Ross, D J 030267, 030268
Ross, D L 024906
Ross, E 023879
Ross, I 021742
Ross, I J 022845
Ross, L R 022938
Rosselli del Turco, N 025033
Rossi, A 026557
Rossi, L C 021877
Rossinyol, G 024985
Rossler, Y 028821
Rosso, P 022027
Rossoshanskii, A A 026280
Rostanovskii, IU E 025111
Roszko, A 026166, 027960
Roth, D 030182
Roth, E E 024587
Roth, H 021773
Roth, M 027706
Roth, N 023175
Roth, R 027907
Roth, R H 023596, 023598
Rothe, G M 027128
Rothenbacher, H R 024360
Rothenbuhler, W C 029812, 029843
Rothermich, A 023821
Roth-Maier, D A 023966
Rothman, S S 023202
Rothmayr, W W 022444, 022455
Rothrock, P E 025886
Rothschild, G H L 028725
Rothstein, M 021241
Rotili, P 026172
Rougeot, P C 029623
Roughan, P G 026905
Roupakias, D G 026108, 026109
Rourk, J P 021722
Rous, R C 024615
Rouse, B T 024573
Roussaux, J 028135, 028144
Rousseau, J E Jr 022201, 023643
Roussel, J 022469
Roussel, J D 023750
Roussel, J P 029452
Routley, D G 028058
Roux, M 026914
Rovira, A D 027975
Rovner, J.S. 029490
Rowberry, R G 028232
Rowe, G G 023458
Rowe, G R 028553, 028571, 028780
Rowe, J J 025083
Rowe, R 022943
Rowell, J G 024473
Rowland, E 021213
Rowland, R G 029095
Rowlands, D J 024601
Rowson, L E A 023981, 023996, 024176
Roy, A 030281
Roy, D J 024073, 024074
Roy, J C 024355, 024831
Roy, M K 026613
Roy, R K 022042
Roy, S K 026607
Roy, T K 023125
RoyChoudhury, P N 024250, 024252
Rozek, S 026878
Rozenfel'd, E L 023308
Rozhkov, A A 028117
Rozhkov, V A 030289
Rozmiarek, H 024675
Ruayaree, S 028789
Rubba, R 021989
Rubenstein, A 021992
Ruberte, R 022916
Rubery, P H 027113
Rubes, L 027290, 030545
Rubin, A B 027132
Rubin, B 028600
Rubin, B A 027950, 028007
Rubin, S S 030383
Rubinstein, N 023498
Rubsamen, K 023380
Ruchai, N S 025318
Ruckdeschel, G 022171
Ruda, G 024015
Rudakov, G M 030685
Rudbeck, J P 021518
Rudder, T H 024201
Rudenko, L S 027434
Rudich, Y 027175
Rudolph, R 024796
Rudolph, W 024475
Rudrapal, D 022042
Ruegger, A 027456
Ruff, M D 024442
Ruffini Castrovilli, C 023927, 023928
Ruhm, E 030257
Ruiz, B C 023470
Rullkotter, J 026744
Rumball, W 027399
Rumiantsev, G T 025199
Rumiantseva, V A 025316
Rummer, H J 024027
Rumpel, J 030395
Rungruangsak, K 022000
Runyan, J L 021587
Ruosch, W 021968
Rupes, V 028971
Ruppert, W 021263
Ruprich, W 021300, 030016
Rus, L 027536
Ruscombe-King, N J 030978
Rus'ko, M P 030746
Russel, L M 028828
Russell, D G 021180
Russell, G E 027936
Russell, K D 021256
Russell, L M 029480
Russell, T S 022681
Russo, C 022894
Russo, G 027257
Russo, M 028252
Russo, S O 022563
Russo, V 024216
Rust, R H 027450
Ruth, G R 024585
Rutherford, B M 021620
Rutherford, P P 027196
Ruttner, F 029766, 029783
Ruwart, M J 023204
Ryabyshev, M G 030775
Ryan, H T 021613
Ryan, J J 024968
Ryan, Mack 022282
Ryan, R B 029283, 029285
Rybal'chenko, G F 022436
Rydak, P A 023938
Rydel, S 022857
Rydin, S 025497, 025498
Rygg, G L 022871
Rykbost, K A 021363, 026895, 027106
Ryke, P A J 029529
Ryker, R A 027343
Ryland, G J 021632
Ryll, E 021463
Rylov, A N 025446
Rzadkowska-Bodalska, H 026875
Rzaev, I T 030490
Saad, S M 025366
Saakian, R G 022988
Sabesin, S M 022153, 022154
Sabet, M A 030641
Sabine, J R 028683
Sabirov, M K 025204
Sabirov, Sh 021289
Sabluk, V T 028804
Sabnis, M G 024549
Sabolo, Y 021282
Sachan, D S 022136
Sachan, S C P 026181
Sachet, M H 025819
Sachtleben, S S 023893
Sackman, J W 024070
Sadasivan, T S 028421
Sadek, H 029786, 029787
Sadikov, T 026486
Sadoff, H L 030329
Sadon, T 027023
Sadones, M 030363
Sadykov, A S 026504
Saeed, A 027640
Saeger, V W 030812
Saeki, M 025880
Saeki, T 024878
Saenko, V I 030085
Saenz H, A 021766
Saetersdal, T S 023529
Saether, O A 029548
Saez, F A 029309
Safarian, A M 027852
Safarian, S E 029186
Safaya, N M 028364
Safer, B 023485
Saf'ianov, S P 028113
Saf'ianova, V P 028113
Safonova, O P 030384, 030748
Safranek, L 029420
Safronova, N N 022846, 023944
Saga, S A 023470
Sagawa, T 028373
Sagdieva, M G 028027
Sage, R W Jr 025468
Saggerson, E D 023287
Sagher, A 026696

Saguy, I 022942
Sah, Y S 023068
Sahani, M S 023445
Sahi, R K 021171, 023101, 023102
Sahliger, S 022165
Sahni, K L 023445, 024077
Saho, H 027993
Sahoo, B C 021268
Sahoo, M S 021109
Sahu, G C 030319
Sahu, S S 030302, 030320
Saidak, W J 029182
Saidkhodzhaev, A I 026470, 026499, 026500
Saiga, S 023874
Saikia, A 023440
Sain, P 030176
Saini, G R 030532
Saint-Aubert, G de 024703
Saito, H 026984
Saito, M 024539, 025431
Saito, S 023780
Saito, T 030544
Saito, W Y 023384
Saitoh, T 026848
Sakaeva, R F 022215
Sakaguchi, K 026595
Sakai, H 027462
Sakai, K 023350, 023409
Sakai, S 026514, 026655
Sakai, T 029259
Sakaki, K 024674
Sakakibara, J 026656
Sakalo, L H 030159
Sakamoto, N 026353
Sakamoto, T 026515
Sakamura, S 026352
Sakasai, T 026344
Sako, N 028213
Sako, S 024979, 024980, 025002
Sakovtsev, V S 021823
Saksena, S B 028078
Sakuma, K 023488
Sakuno, T 025528
Sakunts, L E 022988
Sakuoka, R T 028583
Salamon, M 025474
Salanci, J 029999
Salazar, J A 026720, 026778, 026779
Sale, P J M 027124
Saleh, M 024379
Salem, S A 022075
Salema, R 026034
Salembier, J F 028512
Saleyev, P 023169
Salfelder, K 024649
Salhany, J M 026811
Salido Rengell, F 024700
Salkeld, E H 029551
Sallam, H A 026952
Salle, G 026066
Salmeron de Diego, J 028362
Salmi, J 025293
Salode, M S 021110
Salomonson, V V 030785
Salonen, L 030875
Salsedo, C A 027727, 028351, 028352
Saltankin, V P 030773
Salunkhe, D K 022930
Salvatore, G 022531
Salvert, D 023350, 023409
Samadashvili, TS V 022990
Samadieh, B 024436
Samal, B 028422
Samanta, P 025933
Samata, Y 027145
Sambraus, H H 024227
Samikov, K 026503
Sammet, L L 022914
Samokhvalova, G V 029865
Samoshkin, E N 027323
Samosova, S M 030277
Sampson, D R 027723
Sams, G R 029411
Samsoni, Z 026886
Samuelson, O 025415, 025489
Sanburg, L L 029202
Sanchez, A 024424
Sanchez Belda, A 021163
Sanchez-Capuchino, J A 028207
Sand, D M 022516
Sandberg, D V 025257
Sandelin, K 024400
Sanders, C J 029281
Sanders, G 030886
Sanders, G G 021921
Sanders, J A 021322
Sanders, T H 022785, 022798
Sanderson, H R 025038
Sandescu-Nosec, I 028996
Sandhu, J S 026183
Sandoval, R 021198
Sandret, F 022911
Sandru, G 023397
Sands, R H 026409
Sandy, K C 022160
Sanford, J 024309
Sangar, D V 024601
Sanger, K 029502, 029511
Sanger, V L 024784
Sanghavi, K U 027733
Sanghi, A K 026965
Sangosse, A M de 029078
Sangwan, D C 023037
Saniewski, M 030406
Sanikidze, G S 030536
Sanin, S S 028014, 028107
Sanner, T 023297
Sannikov, IU G 025303, 025340
Sanson, B F 023705
Santa-Cruz, L H 026749
Santamaria, J 026717
Santelmann, P W 028608, 028620
Santen, R van 024371
Santerre, J 027931
Santley, J C 021794
Santos Carico, J dos 025566
Santos, M A 028849
Santra, S 027887
Saparov, A 026276
Sapers, G M 022917
Sapir, M 028518
Sapotnitskii, E S 025312
Sappington, C B 021638
Sar, M 023653
Sarabhai, V 021757
Sarabunovich, A G 027161
Saraf, C S 030659
Sarandi, A K 030682
Sarda, C 026699
Sardana, M G 027762
Sardinha, P M A 025566
Sardzhveladze, G P 022982
Sarfaty, A B 028561
Sargent, D F 026803
Sarishvili, N G 022998
Sarkar, P 024547
Sarko, A 026418
Sarlet, L G 029620
Sarma, N P 026004
Sarsembaev, S M 021826
Sartmadshiev, K 024413
Sartorelli, P 024407
Sarwar, M 022164
Sarychev, IU F 028100
Saryeva, A N 025909
Sasaki, S 023660, 027337
Sasaki, Y 023573
Sassa, H 026521
Sassa, S 023480
Sassa, T 026342
Sasse, D 023420
Sasser, L B 024966
Sassine, A 023263
Satayaphantha, C 024675
Sathe, B S 023712, 023810
Satkanov, E T 022719
Sato, A 030249
Sato, K 021254, 023565, 024657, 025367, 027462
Sato, M 025418, 025419, 025431
Sato, S 025203, 026411, 027261, 029901
Sato, T 027462
Sato, Y 022559, 022612, 024620
Satoh, I 027297
Satoh, T 024959
Satoh, Y 023573
Satsenieks, R IA 030495
Sattar, M A 025427, 025428
Satter, L D 023771, 023772
Sattler, R 025954
Satyanarayana, K V S 030321
Sauberlich, H E 022052
Sauer, J R 029408
Sauer, K 026809
Sauerman, D M Jr 029416
Saugstad, E S 029638
Saulnier, B 029975
Saumande, J 023989, 024134
Saunders, C 026339
Saunders, D G 028786
Saunders, S J 022009
Saunier, R 028182
Saurer, W 027454
Sauter, E A 022700, 022724
Savage, D C 023425
Savage, R O 023861
Savage, S M 030367
Savchenko, L F 025330
Savina, M A 024220
Savintseva, Z D 028018
Savio, A 028175, 028178
Savkovskii, P P 028900, 028915
Savopoulou, M C 028837
Savos, M G 028640
Savoy, C F 022375
Sawa, D 022883
Sawada, T 026076, 026654
Sawaguchi, M 030357
Sawamura, K 028210
Sawazaki, H 023575, 023780
Sawbridge, J R 029649
Sawhney, R S 026608
Sawhney, S K 026966, 026967
Saxana, H P 028842
Saxena, D B 022549
Saxena, R D 027355
Saxena, S N 027418
Saxena, U C 023139
Saxena, V B 025471
Saxena, V P 023745, 023812
Sayre, K D 022878
Sazima, I 026525
Sazima, M 026525
Scadeng, D W F 027283
Scales, E H 029107
Scales, G H 022710, 023156, 024184
Scales, R W 024595
Scanes, C G 023523
Scanlon, P F 024225
Scaramuzzi, R J 023995, 024122
Scarponi, L 026179
Scarsbrook, E 026372
Schaaf, A van der 024730
Schachter, D 022012
Schade, E 023009
Schaefer, N 026901
Schaefer, O 022010
Schaeffer, L R 024094
Schaeppi, H 025959
Schafer, E 027002
Schafer, E W Jr 029089, 029142
Schafer, M L 021905
Schafer, P 030569
Schafer, R L 029979, 029980
Schaffland, H J 021420
Schaller, F 029264
Schaller, J P 024542, 024572
Schaller, O 023674
Schalm, O W 024305
Schamp, N 030363
Schantz, M L 026796
Schantz, R 026796
Scharen, B 024716
Scharf, S M 023463
Schatz, G 023477
Schatzmann, H J 023411
Schaumburg-Muller, H 021820
Schechtner, G 030421
Schedl, K E 029676
Scheele, G 023622
Scheer, U 023398
Scheer, Wilbert E 022293
Scheffer, R P 027970
Scheffler, G 022005
Scheibe, E 024463
Scheibner, R A 028835
Scheidegger, H R 023411
Scheidtweiler, W 022394, 022395
Scheiner, J 023040
Scheinmann, F 026754
Schell, W R 030902
Schelling, G D 023756
Schelske, C L 026805
Schen, D 028595
Schenck, S 026453
Schenk, P K 027593
Schepp, 024239
Schepper, J de 024915
Scherer, K 029920
Scherp, L A 028544, 028561
Scherrer, K 024069
Schertz, L P 021715
Scherwenke, I 026682
Schery, R W 027684
Scheurmann, E 023249
Schiaffino, S 023412
Schicha, E 028381
Schick, M J ed 022429
Schieber, E 028088
Schiebler, T H 023423
Schiefer, B 029428
Schier, G A 027344
Schietecatte, W 022908
Schiff, P L Jr 026562, 026711, 026718, 026749
Schiffman, S 022068
Schildknecht, H 029439
Schiller, R 027129
Schilling, W 030914
Schilperoort, R A 030230
Schimke, R T 023197, 023641
Schingoethe, D J 023508, 023767
Schiphof, P 023607
Schirz, S 030972
Schiweck, H 022859
Schjeide, O A 024057
Schlage, P 023795
Schlegel, R 026094, 026095
Schlenk, H 022516, 026665
Schlenker, G 025091
Schlephorst, G 021191
Schlichting, E 030897
Schlichting, M C 023165
Schliephake, D 022858
Schliesser, T 024796, 024797
Schmelzeisen, G K 021156
Schmelzel, Carol 022243
Schmelzer, K 028292, 028293
Schmid, G 028192
Schmid, H 030005
Schmid, M 025790
Schmid, M L 028326
Schmid, R 025572
Schmid, S 022371, 022372, 029247
Schmid, W 021380, 022900
Schmidle, A 028202
Schmidt, A 025189, 025899, 028133
Schmidt, F 023108
Schmidt, F L 025533
Schmidt, F W 024806
Schmidt, H 022652
Schmidt, H E 028293
Schmidt, L 027534
Schmidt, O 025380, 029507
Schmidt, P 021681
Schmidt, S C 021490
Schmidt-Lorenz, W 022373
Schmisseur, W E 021363, 026895, 027106
Schmithusen, F 025087
Schmitt, G 021681
Schmitt, M W 024593
Schmittdiel, E 024726
Schmitz, M 029339
Schnabl, H 026692
Schnarrenberger, C 027266
Schnegg, A 023952
Schneider, A D 030735
Schneider, C W 025844
Schneider, D 024232
Schneider, E G 023205
Schneider, F 022861
Schneider, H 030896
Schneider, J 026336
Schneider, M 021721
Schneider, Madelin 022324, 022360
Schneider, P 029518
Schneider, R 028048
Schnitzer, M 030196
Schnurrbusch, U 024025, 024026, 024027
Schnurrenberger, P R 024581
Schoeman, S J 023974
Schoenenberger, G A 023608
Scholl, E 024716
Scholtyseck, E 024788
Scholtz, G D J 021220
Scholz, J 027059
Schon, H 030846
Schonmeier, H 030183
Schonmuth, G 024029
Schoonover, D M 021548
Schoor, G H van 026368
Schopfer, P 026787, 027002
Schothorst, C J 030690
Schotman, A J H 024368
Schott, C 027411
Schotz, F 025948, 025949
Schraer, H 023354
Schrauzer, G N 022046
Schreader, W R 028072
Schreiber, M M 027041
Schreier, P 022554
Schremmer, E 021232
Schrier, R W 023219
Schrijen, F V 023201
Schroder, D 030390
Schroder, H 029582, 029583, 029584
Schroder, K H 029850
Schroder, K L 022524
Schroeder, M E 028339
Schryver, H F 023564, 023617, 023754, 023824
Schubert, A 026093
Schudt, C 023392
Schug, W 021593
Schulte, G 029689
Schulte-Coerne, H 024281
Schultz, T W 021103
Schultz, W G 022870
Schultze-Motel, W 025621
Schulz, D 026063
Schulz, H 025356, 030184
Schulz, I 023613
Schulz, V 023734
Schulz, W 024648
Schulze, H 023162
Schulze, J 030933
Schulze, T L 029012, 029027
Schulze, W 024807
Schuman, G E 025063
Schurian, K 029585
Schurig, M 021449, 030025, 030034
Schuster, D J 028737
Schuster, G 028222
Schuster, M L 028150
Schuster, R M 025694
Schuster, R O 029643
Schutz, H G 022928
Schutz, W 023374
Schutz, W D 030900
Schwab, G O 030717
Schwabe, W W 027202
Schwager, P 023535
Schwammberger, K H 029694, 029696
Schwander, A 026683
Schwanghart, H 030076
Schwartz, C J 024520
Schwartz, P L 030939
Schwartz, S I 021407
Schwartz, V 023011
Schwartzberg, H G 022499
Schwarz, F J 023601
Schwarz, G 024652, 024728
Schwarz, H 024230
Schwarz, M 029041
Schwarz, R 024274
Schwarz, W A 024935
Schwarzer, H 028434
Schweers, W 025470
Schweitzer, D L 025168
Schweizer, E 026555
Schweyen, R J 026090
Scialabba, M A 022123
Sciancalepore, V 022766, 027289
Scora, R W 025585
Scott, D 022709, 030719
Scott, D F 021436
Scott, E A 024856
Scott, H A 029423
Scott, H E 029782
Scott, J T Jr 021751
Scott, K J 022944, 023705
Scott, M L 023242, 023820, 023822, 023825
Scott, N R 023199
Scott, P J 022710
Scott, R H 030970
Scott, W P 028755
Scott-James, A 025558
Scoullar, B B 021331
Scriban, R 021852
Scriber, J M 028751
Scultetus, H R 029944
Scurrah, M M de 028401
Scutt, K 027108
Seals, R G 022375
Seamark, R F 024130, 024132
Searle, P L 030269
Seckar, P 029997, 030172
Secoy, D M 028377
Secreast, M 028988
Secrist, D 027487
Sedlak, J 024523
Sedova, IU S 025350
Seeds, R S 021082
Seeger, H 021845
Seeger, I 021964
Seeger, J 021858
Seeman, N C 026812
Seetharam, P L 029036, 029482
Seetharamu, L 025387
Segal, D H 024133
Segelquist, C A 030485
Segesser, B 022021
Sehgal, J L 030300, 030316
Seibert, D 027685
Seibert, R J 027694
Seidel, H 022872
Seidler, H 024984
Seifert, G W 024032
Seifert, J 023388
Seifert, K 026744
Seifulin, E M 026616
Sekhon, G S 028350
Seki, T 025880
Sekiguchi, H 030355
Seleznev, V 022955
Self, R 027194
Selhime, A G 028858
Selim, H M 030797
Selinger, S L 023460
Seliverstova, E P 027571
Sellami, A 027005
Selvaraj, U 027395
Selvaraj, Y 027179, 027180
Selvendran, R R 027243, 027244
Semeniuk, N L 028795
Semenova, I 026206
Semetko, J 029998, 030000
Semibratov, A A 027436
Semikhnenko, P G 027577
Semkovych, O D 030157
Semlek, M A 023627, 023631
Semmel, M 024765
Semmler, K O 023166
Sen, B 027426
Sen, G P 024546
Sen Gupta, A K 029017
Sen, P 025197
Senaud, J 024788
Senda, H 025004
Sendelbach, A G 021234
Senderov, I K 028467
Senechal, F 027475
Senel, H S 023774
Seneviratna, P 024501
Sengel, P 023348, 023351
Sengun, T 024322
Seniczak, S 029528
Senigagliesi, C 030475
Senjuta, E S 026400
Sensel, H 024366
Senser, F 022848
Senter, P 025473
Seo, S 026463
Seo, S R 030117
Sepp, A 027778
Sepp, M 030609
Sequeira, L 028146, 028148
Sequi, P 030193
Sequin, B E 024043
Serafim, F D 021143
Serebrennikov, F V 030673
Serebriakov, V I 022833
Serebriakova, L K 028466
Sergeeva, N V 026496
Serikov, IU M 030086
Serkin, V N 026254
Serlin, R 026620, 026621
Serns, S L 029181
Seroussi, E 023642
Serovatov, V 030065
Serre, M 024353
Serres, H 024150
Servanchuk, M M 024769
Servetnik, V U 021233
Sestak, J 029989, 029993
Seth, S P 026980
Sethi, R K 030233
Sethu Rao, M K 021104
Sethunathan, N 028770
Setia, M S 023677
Setiabudi, M 023625
Seto, M 026523
Seubert, W 023395
Seufert, H 029907
Sevast'yanov, V I 026539
Sevcik, B 024382
Severin, E S 023310
Severin, R K 021538
Severs, N J 026005
Sevost'ianov, A G 022771
Sewell, J N 027673
Sewell, R J 030872
Seymour, R S 028946
Seymour, W G 024750
Sfat, M R 023656
Shabana, M B 029331
Shaburov, M A 025339
Shadchina, T M 027131
Shadduck, J A 024613
Shadduck, L 025140
Shadmi, A 024955
Shaffer, G W 022014
Shaffer, P W 026395
Shaffer, R L 025782
Shagdarsuren, Zh 021415
Shah, A H 028718
Shah, F A 029753
Shah, R K 030591
Shah, V H 021579
Shahin, M M 026223
Shahlapour, A 024637
Shailaja, M S 026606
Shakhobov, S 030684
Shakirov, R 026483, 026503, 027158
Shakirov, T T 026486, 026487, 026488, 026493, 026494
Shalatonova, L P 021972
Shamina, Z B 026140
Shamova, A P 025345
Shamtsyan, M G 026949
Shands, H L 022786
Shankar, P 027758
Shankar, V 022898, 027245
Shanklin, M D 023665
Shannholtz, V O 030726
Shannon, P 024175
Shapira, D 021575, 023123
Shapiro, D J 023197, 023641
Shapiro, I D 028693
Shapkin, IU D 021336
SHapovalov, IU D 021456
Sharafutdinov, Sh A 028764
Sharapov, V A 030773
Sharga, A N 027735

Sharipova, F S 026484, 026505
Sharkey, P J 027016
Sharma, B B 028354
Sharma, B D 029018
Sharma, D L 030224
Sharma, D S 030220
Sharma, G K 030820
Sharma, H K 026777
Sharma, H N 026965
Sharma, H S 022107
Sharma, J K 028358
Sharma, O P 024121, 024126, 026531
Sharma, P L 029816
Sharma, R C 024080
Sharma, R P 026004
Sharma, S N 025426
Sharma, T 029018
Sharp, M L 024778
Sharp, P J 023512, 023523
Sharples, R O 028312
Sharvashidze, N S 030374
Shastri, N V 027184
Shastri, U V 024549
Shatto, N L 024776
Shaumian, I 030063
Shavlovsky, G M 026400
Shaw, D L 022735
Shaw, E A 025834
Shaw, L N 030144
Shaw, T 024603
Shaw, W C 028517
Shchapova, A I 026141
Shcharbei, H L 021335
Shchedrin, IU P 022436
Shchelokova, I F 022998
Shcherbak, P D 028479
Shcherbakov, S M 030651
Shcherbakov, V M 023943
Shcherbanovskii, L R 026492
Shchitaeva, V A 026971
Shear, G M 028180
Sheard, J W 025605
Shearer, M N 030727, 030731
Sheath, R G 026443, 026444
Shechter, I 027264
Sheehan, M 025594, 025595
Sheehan, T 025594, 025595
Shekhanova, M A 025338
Shelbourne, C J A 025221
Shelby, K R 023093
Shelkoudenko, V G 022830
Shelton, M 024198
Shemit, F I 027508
Shempel', V I 030558
Shenderuk, G N 030759
Shepard, M 028705
Shepherd, C J 028094
Shepherd, J T 023228
Shepherd, R 021379
Sheppard, P M 029477
Sheptopalov, I A 030935
Sherbaev, S 030684
Sherbon, J W 023815
Sherementova, Z I 025338
Sherman, R M 022482
Shermatov, A 027432
Sherrod, L B 023065
Sherrod, W W 024924
Sherwood, G E 025265
Shestak, L I 026467
Shestakov, S V 026687
Shestakovskii, G F 025394
Shestneva, L I 021804
Shestopal', O M 021451
Shestopalov, I A 029188
Shetty, K J 022776
Shevchenko, M N 030562
Shevchenko, V N 028461
Shevtsov, A K 027515
Shewfelt, A L 022532
Shibanai, A 029775
Shibasaki, K 022841
Shibata, F 026761
Shibata, K 026406
Shibata, M 027327
Shibata, S 026513, 026518, 026760, 026848
Shibata, T 029901
Shichev, V N 025317
Shida, H 027765
Shidei, T 025039
Shiel, R S 027875
Shields, C M 026820
Shiffman, Y 027748
Shigo, A L 027954
Shih, C N 026859
Shih, D S 028246
Shih, S F 030664
Shijimaya, K 023877, 023878
Shikasho, S 030740
Shikhamany, S D 027760
Shilakadze, TS A 022990
Shiliaev, V G 024267
Shillito, E E 023246
Shillo, R 028313
Shilnikova, V K 026964
Shils, M E 021996
Shimada, K 024627
Shimada, S 029777
Shimada, T 026304
Shimada, Y 024622
Shimezawa, C 026521
Shimizu, K 024594, 024625
Shimizu, N 026996
Shimizu, R 021211, 023566
Shimizu, U 021938
Shimizu, Y 026102, 026978
Shimkevich, V A 025210
Shimoda, H 025203
Shimokawa, E 025881
Shimomura, T 026884
Shimura, F 022210
Shin, D H 022975
Shin, K S 030116
Shin, W J 023644, 024204, 024205
Shinagawa, T 029901
Shinde, J E 030456
Shindo, H 027048, 030351
Shingatgiri, R K 023446
Shinkarev, V P 028014
Shinn, J H 030903
Shinov, IU I 022436
Shinshi, H 027009
Shintani, Y 026654
Shiota, N 026746
Shiozawa, A 022211
Shipe, W F 022498
Shipman, R H 022385
Shipp, E 029457
Shirahata, T 024625
Shirai, K 030352
Shiraki, T 024620
Shirasawa, N 024419
Shirley, M W 024601
Shirley, R L 022055
Shirose, I 022882
Shiroyama, T 026544, 028357, 030862
Shisel', B M 021801
Shishibori, T 027258
Shishkin, A I 023082
Shishkova, Z P 023032
Shivaram, K N 022898, 027245
Shively, R W 021745
Shivrina, A N 025748, 026673
Shkaloud, V 026243, 026244
Shkel', M P 030559
Shkumat, V P 026278
Shkyria, M P 030746
Shliashinskii, R G 025342
Shlinichenko, V P 025338
Shlosberg, A 024819, 024821
Shlyafer, T P 023524
Shlyk, A A 026947
Shmidt, N V 023034
Shmidt, V G 027517
Shmit, U IA 023032
Shmotina, G E 026676
Shmueli, H 029971
Shneer, V S 027169
Shohet, S B 022016
Shoikhet, A L 022824
Shoji, J 026518
Shoji, S 027054, 030376
Shokry, M 024982
Sholokhov, L V 030084
Shomer-Ilan, A 026793
Short, R E 024197
Short, V J 023277
Shorthose, W R 022683
Shorthouse, M 023544
Shoukry, M 024379
Shoyama, Y 026722
Shoyinka, S A 028259
Shpolianskii, D M 030071, 030072
Shrader, W D 030615
Shresta, T P 023706
Shtern, E P 030657
Shtutman, TS M 023949
Shubin, V A 025216
Shubitidze, Zh G 030129
Shuford, J 030522
Shugart, H H 025893
Shukla, D N 030452
Shukla, L M 027426
Shukla, U C 028364
Shukrullaev, S 028762
Shulakova, K G 023034
Shulman, R G 026811
Shults, G W 022663
Shulyndin, A F 026137
Shumakov, E M 028459
Shumakov, V S 030493
Shutov, I V 025214
Shvedov, V V 029983
Shvinska, D F 025327
Shyamasundar, K 025386
Sibbit, B 022669
Sibiriakova, L G 025308
Sibold, A G 021362
Siddaramappa, R 028770
Siddiqui, I A 028038
Siddiqui, I R 022488
Siddiqui, M A Q 029249
Siddoway, F H 030710
Siddoway, R H 030707
Sidhu, G S 028343
Sidhu, J S 022774, 026131
Sidorevich, N H 028153
Sidorov, V P 026287
Sidwick, J M 030974, 030978
Siegelman, H W 026067
Siegfried, C 022140
Siemens, B 030197
Siesjo, B K 023184
Sievers, K L 029849
Siewierski, M 029084
Sifniades, S 023747
Sigafus, R E 023844
Signol, M 026702
Signoret, J P 023982
Sikdar, A 024552
Silar, J 030549
Silberborg, S B 024649
Silen, W 023220
Silva, A J da 021629
Silva, D J da 022815
Silva, E M da 030688
Silva, J L e 021629
Silva, M R E Jr 023336
Silva, M T 026034
Silva Mattos, S da 029636
Silva, S D da 021853, 022882
Silva, W M da 022831
Silveira, Z V da 029800
Silver, M 023547
Silver, R G 029404
Silvola, J 028330
Silvy, A 026916
Simaan, J A 024998, 024999
Simachyns'kyi, V M 030565
Simanov, L 029367
Simatos, D 022452, 022467
Simidu, U 030910
Simmons, D G 024435, 024441
Simmons, G A 028923
Simmons, M S 026805
Simoes, L C G 029307
Simon, J 024749, 030742
Simon, L 025981, 027147
Simon, R 021686
Simonett, B R T 026719
Simonetta, A M 029632
Simonic, T 024407
Simonov, A A 021119
Simpson, B H 028563
Simpson, D J 024327
Simpson, D L 026410
Simpson, I J 023373
Simpson, J 022489, 029825
Simpson, K B 023132
Simpson, R G 028637
Sims, G G 022501
Sims, J J 026563
Sims, J L 026890
Sin, D G 024691
Sinadskii, IU V 028965
Sinclair, D P 026991
Sinclair, J B 028056
Sinclair, P 023480
Sinden, R E 029485
Sinding-Larsen, G 027809
Sine, L 029912
Sinelarov, J 025235
Sinel'shchikov, V S 030760
Sinesen, V A 022581
Singer, M C 029230
Singer, R 025771
Singers, W A 022520
Singh, A 026130, 030646
Singh, A P 023038
Singh, B 024082, 024559, 024794, 030245
Singh, C 027393
Singh, C R 021717
Singh, D 026130
Singh, D S 028846
Singh, F 025593
Singh, G 024315, 024546, 030234, 030315
Singh, G N 021244
Singh, G P 027948
Singh, I P 024564
Singh, J 027010, 027121
Singh, J P 027174
Singh, K 023442
Singh, K N 021105, 026180
Singh, K P 030242
Singh, K R P 029013
Singh, L N 027419
Singh, M 030238
Singh, N B 029329
Singh, N D 028407, 028408, 028418
Singh, N P 021107
Singh, O P 028798
Singh, R 023037, 026985, 027178, 027734
Singh, R B 026132, 026235
Singh, R D 026185
Singh, R N 022913
Singh, R P 028149, 028228
Singh, R S 030221
Singh, S 027051, 027420, 030237, 030314
Singh, S J 026009, 030452
Singh, S V 025378
Singh, T N 026180
Singh, V P 024551, 027949, 030304, 030469
Singh, Y 028842
Singh, Y P 024560
Singhal, K K 023746
Singholka, S 030201
Singleton, J A 022785, 022798
Singn, T P 021758
Sinha, H 030242
Sinha, H S P 021111
Sinha, M 029325
Sinha, M N 021098
Sinha, N K 023486
Sinha, P 030323
Sinha, P K 024962
Sinha, P R R 021098
Sinha, S 023407
Sinha, S N 022011
Sinha-Roy, S P 026426
Sinitsyn, S G 025044
Sin'kevich, M S 025211
Sinnadurai, S 027083
Sinner, M 025363
Siolek, A 022822
Sip, J 024386
Siragusa Campanello, N 030180
Siriwardene, J A de S 023722
Sisler, D G 021658
Sisto, D 027938
Sistrunk, W A 027713, 028332
Sitek, J 026323
Sitizyo, K 023667
Sitnai, O 022595
Sitnikov, V S 026007
Sitova, L I 030277
Sittard, M 025110
Sivanappan, R K 030651
Sivasubramanian, V 028717, 030451
Sixl, W 029673
Sjoborg, S 027807
Sjostrom, E 025472
Sjostrom, M 023412
Skaare, J U 022510, 023041, 023042
Skachkov, V M 025312
Skachkova, N A 025350
Skaggs, R 024595
Skakoun, A 027003
Skala, J 030550
Skaloud, J 024757
Skand, D L 024965
Skarapanau, S H 021813, 030382
Skarbalius, R 025125
Skatynskaia, E I 028478
Skeen, J N 025859
Skelton, J 030697
Skiba, G M 027528
Sklan, D 023541
Skliarevskaia, V V 028481
Skoda, V 030523
Skopina, I N 028913
Skorodumov, A S 030600
Skoropad, W P 025979, 025980
Skoryna, S O 030563
Skotnikova, O I 023450
Skountzos, C 021843
Skowronek, W 029828
Skripka, O V 028025
Skuhravy, V 028668
Skulavik, L 026880
Skurikhin, N A 025444
Skyrme, H P 029057
Slack, C R 026905
Slack, E M 029889
Slack, G 027615, 029879
Slack, S T 023821
Slade, P 029122, 029134
Sladkova, T V 022992
Slagman, J 022146
Slastnikov, I I 025309
Slater, E A 024592
Slater, J A 029359
Slatkin, D J 026562, 026711, 026718, 026749
Slavik, J 026528
Slavikova, E 026417
Slavikova, L 026528
Slavkovsky, J 029992, 030002
Slayman, C W 026091
Slesak, E 026876
Slesarau, I K 022715
Slifer, E H 029387
Slingsby, K 027934
Slinkard, K 027108
Sliusarev, M G 030085
Sloan, T C 030928
Sloboda, A V 030284
Slobodchikoff, C N 029470
Slobodin, G S 025340
Slocombe, J O D 024705
Slootweg, A F G 021235
Slosser, J E 028735
Slotin, L A 023298
Slovik, M 030001
Sluder, E R 025264
Slykhuis, J T 028270
Smalberger, T M 026842
Smallheer, J M 022960
Smart, J 024705
Smart, R E 027697
Smayda, T J 026669
Smid, J 029915
Smidrkalova, E 022523
Smietana, Z 022623
Smilde, K W 027079
Smiley, J H 026075
Smiley, R L 029659
Smirnoff, W A 028947
Smirnov, A M 022835
Smirnov, K S 028899
Smirnov, N A 025120, 025443
Smirnova, L P 026466
Smirnova, N L 025346
Smirnova, N V 025747
Smirous, P 028590
Smith, A C 025613
Smith, A D 023021
Smith, A E 028377
Smith, A F 024119
Smith, A L 024059
Smith, A M 030213
Smith, B 021312, 024881
Smith, B M 023592
Smith, B S W 024756
Smith, C F 029660
Smith, D 026935
Smith, D A 029751
Smith, D F 023507, 026898
Smith, D K 025645
Smith, D M 026735
Smith, D R 029641
Smith, D T 028490
Smith, E E 027171
Smith, E L 023625, 026813
Smith, E M 030418
Smith, E N 029345
Smith, F C 021960
Smith, G 027770, 028324
Smith, G C 024164
Smith, G M 022583
Smith, G R 024604
Smith, H G 030593
Smith, H V 025768
Smith, H W 024660
Smith, I E 027107
Smith, J 024872
Smith, J A 025285
Smith, J D 024967, 029428
Smith, J F 024181, 024199
Smith, J G 028740
Smith, J L 022682, 026662
Smith, J M 029293
Smith, J S 029460
Smith, J S Jr 028882, 028883
Smith, K D 030915
Smith, L B 021197
Smith, L W 026384
Smith, M E 023342
Smith, M G 024605
Smith, N A 023896
Smith, O E 027268
Smith, P 026298, 026299
Smith, P D 030863
Smith, P M 026636
Smith, R A 030088
Smith, R C 023456
Smith, R E 027987
Smith, R G 028931
Smith, R H 028945
Smith, R J Jr 028495
Smith, R L 029469, 030855
Smith, R M 026841, 027052
Smith, R R 023058
Smith, R V 025754
Smith, S H 028196, 028277
Smith, S J 030528
Smith, T A 027006
Smith, W 021958
Smith, W B 022016
Smith, W D 024422, 024756
Smithard, R 024033
Smithers, C N 029608
Smitobol, C 026890
Smittle, D 030652
Smolensky, D C 022950
Smoliak, S 027384
Smolin, A I 025441
Smoter, J 027648
Smyth, R D 026195
Snedeger, J A 022704
Snegur, G P 027512
Snell, W J 026020, 026021
Snetsinger, R J 028437
Sneva, F A 023146
Snieder, D 028836
Sniedovich, M 030789
Snijders, P J M 021325
Snitbhan, N 030359
Snodgrass, D R 024738
Snoswell, A M 023278
Snyder, D P 021351, 021352, 021353, 021354
Snyder, J H 021373
Snyder, W E 024777
So, J S 028791
Soar, J B 023048
Sobczyk, U 027097
Sobel, M J 025860
Soboleva, G A 025316
Soboleva, T N 022834
Soboleva-Dokuchaeva, I I 029517
Sobzig, J 023009
Sodek, L 022920
Soderhjelm, P 022513
Soderstrom, V 025237
Sodja, A 027214
Soeder, R W 026776
Soehngen, U 029829
Soest, J L van 025575
Sofrygina, L M 025403
Sogin, S J 026339
Sohi, A S 028862
Sohi, B S 028862
Sohoo, M S 026300
Soine, O C 027527
Soka, I 029996
Sokkar, S M 025008
Sokolov, A A 030776
Sokolov, I N 023312
Sokolov, O M 025407
Sokolova, N F 025208
Sokolovskaia, I I 024257
Sokolowski, A 029383
Sokruta, I F 027562
Soleiko, V M 028455
Soliman, F A 025008
Soliman, Z R 029523
Solinas, M 022980
Solis O, R 021217
Solivas, E S 026295
Soll, D R 026535
Sollers-Riedel, H 029050
Solling, H 026363
Sollman, A 023683
Solodukhin, E D 025137
Solomon, D S 025171
Solomon, J A 024377
Solomon, T A 023201
Solomonson, L P 026791
Solonenko, M M 027060
Solotarev, E 030426
Solov'ev, I N 025311
Solter, D 024670
Soltynski, A 030336, 030337
Solve, J F de L G 030927
Solymos, R 025024, 025184
Somerville, H J 028655
Sommer, C 030260
Sommer, E W 029779
Sommer, K 030258
Sommer, S H 029256
Somorov, I B 022827
Sondengam, B L 027325
Song, K U 022533, 022534
Song, K W 022627, 030334
Soni, B K 021760
Soni, S K 028350
Soni, S L 027182
Sonneborn, R E 029081
Sonnet, P E 028722
Sonneveld, C 027622, 027637
Sonntag, B H 021256
Sonobe, O 024653
Soo, C R de 025829
Soo, H M 021926
Sood, N N 022011
Sookmark, S 027652
Sora, S 026222
Soral-Smietana, M 022820
Sorensen, D K 021540
Soria, S de J 027858
Soroka, V P 026143
Sorokin, A M 021460, 025393
Sorokin, I 027779
Sorokina, A P 029711
Soslow, N G 021592
Sosulski, F W 026126
Sotnik, N G 021447
Sotthibandhu, R 027125
Sottini, E 028093
Soudain, P 027151
Souka, S 028739
Soulen, D M 028196
Soulie, M M 024066
Soulimov, A A 026785

Soundarajan, S K 030246
Sousa, A F de 021629
Souter, D 027226
Southerland, E V 030816
Southward, C R 026688
Southworth, D 027218
Souty, J 028171
Sova, Z 024758
Sovova, V 024525
Spaar, D 028331
Spaethe, G 030006
Sparenberg, H 022910
Sparer, R 021382, 021383, 021384, 021386
Spargo, R F 030150
Sparks, A N 028746
Sparks, D 027219, 027816
Sparks, H V 023472
Sparks, L M 028744
Sparvoli, E 026798
Spasskov, V I 023958
Spears, B M 028727
Spears, Marian C 022289
Specht, A 030058
Specht, D T 030860
Specht, R L 025567, 030524
Speer, J E 025879
Speirs, R D 028987
Spek, J C 029891
Spencer, L 023379
Spencer, M 027231
Spencer-Smith, J L 026017
Spergel, G 022161
Speth, C F 027377
Spevakov, R I 030072
Spicer, A 022477
Spiegel, S 023198, 026451
Spiertz, J H J 030570
Spiess, W E L 022459
Spieth, H T 029647
Spina, P 021188
Spindler, F 023133
Spinks, C A 024975
Spinney, Katherine R 022362
Spinnler, J F 030924
Spira, G 024444
Spires, H R 023509
Spirik, F 030594
Spirin, A P 030619
Spiro, D A 030688
Spitler, G H 028982
Spitsyn, V P 027579
Spitznagel, J K 023620
Splinter, W E 025354
Spoelstra, P A 029871
Spoerl, R 023954
Spongberg, S A 025834
Spooner, A E 023932
Spradbery, J P 029395
Spradbrow, P B 024430
Sprague, K U 029852
Spratt, E D 026963
Sprecher, D J 024928
Sprengel, A 027402
Sprenkel, R K 028747
Spriggins, D 025157
Springer, E L 025533
Spruit, C J P 027279
Spurling, A T 027601, 030398
Spurling, D 027601, 030398
Spurlock, G M 024196
Spychala, M 026336
Sramek, J 030741
Sreemadhavan, C P 025842
Sreenan, J M 024117
Sreenath, P R 023038
Sreter, F A 023527
Sridhar, T S 027943
Srinivas, T 022792
Srinivasamuthy, B K 030590
Srinivasan, K 021377
Srinivasan, S 028717, 030451
Srinivasan, V 022106
Srivastava, B B L 029406
Srivastava, G P 022105
Srivastava, H L 021244
Srivastava, J P 026184
Srivastava, K M 029341
Srivastava, L S 026181
Srivastava, S C 030457
Sriwatanapongse, S 026239
St Louis, R 021702
Stacewicz-Sapuntzakis, M 024109
Stacey, C I 029151
Stacey, M J 023548
Stackler, B 027108
Stadelmann, P 025800
Stadhouders, P J 027613
Stadler, F 027412
Stadler, J 027193
Stadnichenko, A I 023035
Staehelin, L A 026018
Stafford, W W 024813
Stagg, G V 022148
Staigmiller, R B 024093
Stairs, G R 029430
Stalheim, O H V 024589, 024591
Stallard, D E 029110
Stallcup, O T 023016, 023933
Stalter, R 025670
Stan, H J 026989
Stancioff, D J 021830
Standal, Bluebell R 022127
Standifer, L N 029810, 029833
Standoli, L 026844
Stanfield, M S 022679
Stanford, G 030414, 030529
Stanforth, T 024211
Stangenberg, M 030826
Stanishevskii, S A 030772
Stankovic, M 025525
Stanley, E A 025796
Stanley, J B 026187
Stanley, J M 030079
Stanonis, D J 022840
Stansell, J 030652
Stansfield, M 021251
Stanton, W R 030909
Star, A E 026735
Starichkova, V E 023033
Stark, L M 030956
Stark, R von 023268
Starke, K 023597
Starkey, A 024928
Starkov, P D 030072
Starks, K J 028732, 028737, 028769
Staryns'kyi, H V 027564
Starzyk, J R 029556
Stassen, F L H 022015
Staub, N C 023460
Stauber, E H 024584
Staun, H 023137
Staviskii, E S 025348
Stead, A C 024976
Stead, R M 030856
Steadman, T R 023747
Steahr, T E 021084
Stebbins, R 028340
Steche, W 029732, 029733
Steck, F 024716
Stecki, K 030827
Steek, F 024714
Steele, P A 024105
Steele, R 023214
Steele, R L 026546
Steer, M W 026121
Steere, W C 025586, 025639, 025643, 026428
Stefanov, I G 025322
Steffan, J R 029539
Steffen, K 026364
Steffert, I J 024507
Stegemann, H 022898, 027245
Steggles, A W 023623
Stehle, 029760
Steiger, E 026897
Stein, A 021431
Stein, G S 026558
Stein, S A 021926
Steinbach, A 021240
Steinbach, J H 023210
Steinberg, M P 022784
Steinberger, H 030051
Steiner, E H 022303
Steiner, H H 021543
Steiner, L F 028873
Steinhart, H 022849
Steinhauer, A L 028738, 028850
Steinkampf, H 030074
Steinle, G 022859
Steinwender, R 023702
Steklen'ov, IE P 024246
Steller, S 025515
Stellflug, J N 023980
Stellwagen, E 023303
Stelmasiak, T 024124
Stenback, W A 024437
Stensby, P S 030933
Stenswick, L E 021888
Stepan, M 030501
Stepanenko, G A 026506
Stepanov, A I 021459
Stepanov, D D 023959
Stepanov, G S 026146, 026267
Stepanov, H S 026312
Stepanova, P N 025043
Stepchenkova, L U 025346
Stephan, H 022803
Stephanson, A 022526
Stephens, C A 021471
Stephens, D F 027424
Stephens, G S 028756
Stephens, T 022054
Stephenson, C 024853
Stephenson, S N 025907
Stephenson, S P 029724
Stepochkin, P I 026141
Sterk, A A 025574
Sterling, J D E 027382, 028346
Stermitz, F R 026751
Stern, K 024518
Stern, P H 023270
Stern, V M 029400
Stern, W C 022073
Stetina, R 024524
Stetsenko, V S 030629
Steubing, L 027115
Steuckardt, R 026176
Steuer, W 029785
Stevens, D G 023665
Stevens, L M 028738, 028850
Stevens, M 023235
Stevenson, J H 021529, 021565, 029113
Stevenson, K E 026644
Stevenson, K R 027987, 030643
Stevenson, M R 028577
Stewart, D J 030940
Stewart, Joseph M 022348
Stewart, K M 028774
Stewart, N E 030822
Stewart, R D H 022057
Stewart, R E 023666
Stewart, W C 024834
Stewart, W D P 026690
Steyermark, J A 025634
Steyskal, G C 029651
Stibenz, D 027068
Sticker, C M 023456
Stickland, N C 024828
Stidd, B M 025816
Stiffler, D M 022668
Stille, B 028156
Stillwell, M 027718
Stinner, B R 028814
Stinner, R E 029288
Stipancevic, L 024276
Stirling, J 028783
Stirm, W L 021090
Stobart, A K 026801
Stobbs, T H 023698
Stober, M 024826
Stock, J van der 024915
Stock, M J 023459
Stocker, R F 029294
Stoeckel, R 024149
Stoermer, E F 026805
Stoessl, A 022418, 027156
Stoewsand, G S 022138
Stoffers, J A 029880, 029882
Stohr, H 023004, 023005, 023006
Stohs, S J 026748
Stoichev, S G 025322
Stoimanov, I 027529
Stokes, G B 027114
Stoklasa, V 021811
Stoliarchuk, A Z 023964
Stoliarova, L A 028901
Stoloff, L 021918
Stolzy, L H 027047, 030346
Stone, A B 026647
Stone, H D 024449
Stone, I G 025758
Stone, L J 029155
Stone, O M 028204
Stone, S S 024589
Storey, C L 028981
Storey, J B 027795
Stormer, W 021157
Stort, A C 029809
Stothers, J B 022418, 027156
Stott, W T 021927
Stotzky, G 026453, 030215
Stouffer, R F 028169, 028196
Stout, E R 023400
Stoward, P J 024339
St-Pierre, C A 028230
St-Pierre, J C 026993
Strack, C 022748
Stradimova, L A 028904
Strafuss, A C 024855
Strahs, K 023498
Strangby, G 029948
Strange, E D 022665
Strange, J D 025476
Strasser, K 029684
Strating, A 024592
Straub, O C 024809
Strauch, D 030808
Streamer, M 026550
Streckert, G 026989
Street, J C 023241
Streeter, J G 027055
Strehler, A 023024, 029929
Strijbosch, T 027879, 029875
Stritzinger, H 024726
Striz, J 023669
Strnad, P 027535
Strobl, G 023025
Stroganov, N S 030986
Strohecker, H F 029682
Stroia, S 024934
Strojny, W 025550
Strojny, Z 030406
Strombeck, D R 024571
Stromme, E 027642
Stromquist, L H 025238
Strother, J 021607
Strothkamp, K G 022017
Strouse, C E 026620, 026621
Strumeyer, D 023602
Strzatkowska, E 022820
Strzelczyk, E 026323, 027303
Strzelec, A 030171
Stuart, K L 026727
Stubblefield, T M 021448
Studiger, J 023117
Stukalina, O M 025346
Stull, J W 022927
Stump, G T 027676
Stump, R C 027795
Stumpf, A 029920
Stumpf, P K 027114, 027214
Stumpf, W E 023653
Sturges, D L 030703
Sturrock, J W 028371
Su, N R 030444
Suarez, E 026720, 026778, 026779
Suba, S 021679
Subbaramaiah, K 025877
Subbotin, T G 023031
Subrahmanyam, A V 030240
Subrahmanyan, V 030321
Subramaniam, T R 028643, 029557
Subramanian, N 023243
Subramanian, S R 021190
Subramanyam, M D 028374
Sucoff, E 025059
Suda, H 026076
Suda, Y 021254, 029901
Sudarsan, P 021394, 021395
Sudaszewski, U 026420
Suddath, F L 026812
Sudhakara Rao, G 022493
Sudraud, G 022378
Sudweeks, E M 023856
Suemitsu, R 026343
Suett, F L 028886
Suga, T 024141, 027258
Sugano, N 027238
Sugasawa, S 026519
Sugawara, S 024139
Suggs, C W 030147
Sugimori, G 024634
Sugimori, T 024488
Sugiura, A 024786
Sugoniaev, E S 029711
Suh, G S 024204, 024205
Sukhanova, R S 028464
Sukhanovskii, S I 025338
Sukharev, V P 030168
Sukharevskaia, A M 023949
Sukharnikov, M F 030164
Sukhikh, V I 025044
Sukhinin, A N 029602
Suksamrarn, A 026852
Sukumaran, C P 026604, 026605
Sul, D S 024203, 024204, 024205, 024206
Sulkin, D F 022049
Sulkin, N M 022049
Sullivan, C R 028929
Sullivan, D 023641
Sullivan, D P 022681
Sullivan, E G 023111
Sullivan, S L 028751
Sulok, J 030092
Sumita, T 022664
Summers, C B 023065
Summers, C G 028663
Summers, F M 029655
Summers, G F 021751
Summers, P M 024034, 024817
Sun, S M 027262, 027272
Sundara Raghavan, R 025999
Sundaram, S 024567
Sundararajan, S R 021190
Sundarasiva Rao, B 025279
Sundberg, L 027172
Sundermann, H 025839
Sung, S K 022684
Suntheim, L 030181
Supe, S V 021110
Suphavilai, P 024674
Supuka, J 026881
Supuka, S 027347
Surazynski, A 022582
Surgeoner, G A 028918
Suri, O P 026608
Surin, N A 026255
Surles, W W 028514
Surls, F M 021510
Suryanarayanan, K 024568
Suskevic, M 027547
Suslova, IU N 026275
Suss, M 023587, 029918, 029925, 029928
Sussex, I M 026536
Sussman, J L 026812
Sussman, S A 023378
Suter, K E 024155, 024156
Sutherland, O R W 029335
Sutic, D 028161, 028164, 028193
Suto, T 023428
Suttle, N F 023709, 023749
Sutton, C K 030263
Sutton, W D 027031
Sutton, W R J 025222
Suwa, M 028258
Suzdal'skaia, M V 028028
Suzuki, A 029716
Suzuki, H 021861, 024488
Suzuki, K 028373, 029087, 029776
Suzuki, M 022778, 023667, 025421, 028346
Suzuki, Meiji 022778
Suzuki, N 024625, 028242
Suzuki, S 022747, 023346, 024959
Suzuki, T 022515, 024620, 025880, 026634, 028967, 028967
Suzuoki, Z 022139
Svabova, M 022168
Svanvik, J 023179
Svec, O 026879
Svechin, K B 021347
Svedentsov, L M 025326
Svennerholm, A M 024569
Svensson, S 024836
Svetlik, V 027550
Svetov, V G 028008
Svikle, D IA 025327
Sviridov, A F 026430
Sviridov, I S 028627
Svirnouski, L IA 030560
Svishch, L G 025559, 028015
Svishchuk, A A 022846, 023946
Svoboda, J 024524
Svoboda, S 024760
Svyrydenko, V A 024387
Swain, T 025701, 026765
Swait, A A J 027991
Swallers, C M 027357
Swan, H 023853
Swan, J T 027664
Swanepoel, R 024753
Swann, P F 021937
Swanson, F 030463
Swanson, M H 023720
Swartzendruber, D 030338
Sweeney, E J 024577
Sweeny, W T 024778, 024779
Sweeten, J M 030921
Sweetman, B J 023583
Sweeton, F H 030885
Sweldens, V 027741
Swetman, T 022789
Swieboda, M 026338
Swiec, J 030336
Swiech, J 030337
Swierstra, D 024733
Swift, C E 022665, 022673
Swinburne, T R 027890
Swingle, R S 023857
Swords, G 022921
Sydnor, T D 027291
Sydor, W J 029003
Sydow, S L 029356
Sykes, J 030810
Sylvester, D G H 024752
Syme, G J 023236
Syme, L A 023236
Symington, W M 026292
Symons, L E A 024429
Synytsyna, N P 030748
Syo, S 027050
Syrgiannid, G D 028234
Syrovy, I 023612
Sytkowski, A J 026396
Sytsema, W 027076
Syuzeva, Z F 026475
Szabo, A 021851, 022723
Szabo, D 025289, 030097
Szabo, T I 029803, 029804, 029815, 029821
Szajer, C 026322
Szalay, L 023405, 025292
Szalay, S 026886
Szczesny, T 030836
Szepesi, B 022184
Szigeti, Zs 022758
Szilagyi, M 026886
Szirmai, J 028160
Szittar, Mrs L 021571
Szmidt, B 027648
Szodfridt, I 025085
Szokolay, A 029168
Szollosi, A 029197
Szonyi, L 028935
Szuchnik, A 022857
Szucs, I 021270
Szuman, J 023735
Szumowski, P 023872
Szweykowska, A 025935, 026336, 027097
Szymanski, G 023684
Taasen, J P 025815
Tabachkova, T P 025336
Tabata, K 027824
Tabata, S 022891
Tabler, R D 030701
Taccino, E J 021134
Tacheci, H 029439
Tacina, F 026828
Tackie, A N 026562, 026711, 026718
Tacu, V 028995, 028996
Tada, A 026518
Tadmor, N H 023751
Tadzhibaev, M M 026487
Tadzhieva, U K 030255
Tafertshofer, A 021144
Tafuri, F 026179
Taga, N 030910
Tagawa, H 028236
Tager-Kagan, P 024639
Tagle, M A 022077
Taguchi, G 025108
Tahara, S 026341
Taher, A M M 022839
Tahori, A S 029194
Tai, E A 027652
Tai, Y P 026999
Taira, N 024487
Tajima, K 026996
Takabayashi, K 021254
Takacs, L 023097, 023405
Takagi, S 029598, 029599
Takahama, A 026342
Takahashi, E 027050
Takahashi, F 028648
Takahashi, H 021856, 025416, 027659
Takahashi, I 027993
Takahashi, J 026643
Takahashi, K 027985
Takahashi, M 023780
Takahashi, N 022494, 026884
Takahashi, T 028258
Takahasi, H 025431
Takahata, S 027491, 027492, 027495
Takahi, Y 027903
Takahisa, H 030868
Takai, M 026464, 026513
Takaishi, N 026652
Takakura, T 026316
Takakuwa, M 022369
Takamura, K 022143
Takanashi, S 022744
Takano, I 025274
Takano, N 024622
Takase, N 027824
Takatori, K 024628
Takats, P 025291
Takayama, S 025881
Takebe, I 028241
Takebe, S 025581
Takechi, T 023426
Takeda, K 024980, 026845
Takeda, M 021910
Takeda, S 029835
Takeda, Y 023489, 023490
Takegami, T 026903
Takemoto, H 027353
Takemoto, T 026660, 026734, 026755, 029837
Takemoto, Y 024629
Takemura, K 021855
Takenaka, T 022404, 026816
Takeshima, S 030185
Taketomi, M 024047
Taketomi, S 022139
Takeuchi, I K 023244
Takeuchi, K 022369
Takeuchi, S 024139, 028823
Takeuchi, T 022410, 022411
Taki, T 024627, 024654
Takizawa, N 027765
Takizawa, S 023780
Taksdal, G 028799
Talakvadze, K B 030539
Talamantes, F Jr 023414
Talanti, S 023366
Talati, N R 030235
Talbert, R E 028494, 028530
Talbot, B G 029778
Talboys, P W 027896
Taliaferro, C M 027497
Tallan, H H 022206
Tally, J F 025943
Talpaz, H 026832
Talwar, G P 024123
Talybov, G Kh 030680
Tamada, T 027965
Tamaki, G 028855
Tamata, T 027657
Tamiji, Y 024637

Tamm, V 030722
Tammes, P M L 026452
Tamura, S 029716
Tamura, T 022517
Tamura, Y 026845
Tanabe, A 023931
Tanabe, K 027297
Tanada, Y 029015
Tanaka, A 026554
Tanaka, H 021857, 027716
Tanaka, J S 028583
Tanaka, K 026010, 026590, 027889, 029638
Tanaka, M 022781, 026404
Tanaka, N 030905
Tanaka, S 021470, 027973, 028224
Tanaka, T 027238
Tanasescu, S 025231
Tandon, B N 022011
Tandon, M P 028079
Tandon, R N 028079
Taneike, T 023567
Tang, J T 026328
Tani, C 026658
Tani, M 029258
Tanigoshi, L K 028818, 028819
Tanner, C B 027102
Tanno, K 022494
Tantschev, S 022522
Tanyolac, A 023773
Tao, K L 027026
Tao, R C 023760
Tappeiner, J C 025897
Taran, F I 028908
Taranik, K T 024772
Taranov, V 027776
Tarantini, P 027938
Tarasov, S G 022826
Tarasova, L E 027510
Tardani, A 024711
Tarjan, A C 028406
Tarkowska, J A 027096
Tarnavsky, G K 024095
Tarr, J A 030413
Tarrago-Litvak, L 026998
Tarres, F J 022769
Tarros, F J 022770
Tartof, K D 029234
Tarusov, B I 026854
Tarusov, B N 027165
Tas, M V 023707
Tasaki, I 023574, 023782, 023783
Tasbas, M 023525
Taschenberg, E F 029417
Tasdhomme, M 023348
Taskinen, J 022368
Tatano, T 028237
Tate, K R 030265, 030266
Tatematsu, S 024980
Tatemichi, Y 026101
Tatini, S R 021926
Tatintseva, S S 026614
Tatkowska, E 026337
Taube, H D 023597
Tauber, B A 025442
Tauber, C A 029458
Tauber, M J 029458
Taucher, M 026553
Tauchi, K 029087
Tauson, R 023113
Taverner, M R 023015
Tay, J 024701
Tayade, D S 029316
Taylor, A 023357
Taylor, A G 023777
Taylor, A W 029109
Taylor, C M 023429, 024079
Taylor, C P S 026803
Taylor, D M 024146
Taylor, F H 022051
Taylor, F W 025508
Taylor, G S 030387
Taylor, J C 023515
Taylor, J H 024058
Taylor, P J 023705
Taylor, R E 023484
Taylor, R J 025885
Taylor, S C S 024018
Taylor, T K F 023364
Tazawa, T 021242
Tea, K N 026781
Teakle, D S 027984, 028157
Tebbutt, M W 022096
Tebbutt, T H Y 030976
Tecle, T 021680
Teder, A 025495
Teigen, J B 028319
Teixeira Filho, A R 021628, 021629
Tekrony, D 027348
Tektoff, J 024683
Tektonidi, I 028141
Tel', E Z 023524
Telford, J P 027424
Telishevskii, D A 025127
Teliukin, B 027779
Teller, E 023951
Telling, G M 021933
Tel-Or, E 026690
Tempel, K 025007
Templer, H A 023619
Templeton, G E 028495
Templeton, G H 023223
Templeton, J K 028083, 028578
Temreshev, I G 026261
Teng, K Y 027391
Teniaev, D M 021825
Tenieshvili, P P 030537
Tennent, R B 025149, 025913
Tenquist, J D 029057
Tepfer, M 027020
Teplyakov, B I 026144
Teplyi, D L 022133
Teppema, J S 024428
Terauds, A 028657
Terce, M 028605
Terebukha, I P 025215
Terent'ev, P B 026489
Tereshchenko, R I 027517
Terman, G L 030482
Termier, M 029227
Terplan, G 021846
Terrier, A 022915
Terrill, C E 021774
Terry, D L comp 030516
Terry, K 029115
Terry, R C 021919
Terui, G 022472
Tervit, H R 024176
Terzi, M 023272
Tesliuk, P S 028455
Teslov, L S 026465
Tessier, A M 026786
Testoedov, T N 025302
Tetour, M 027266
Tette, J 029417
Teuchy, H 023232
Teuscher, H 025590, 025596
Teutsch, H F 023421
Tevosova, L G 025396
Tewari, J P 025979, 025980
Tewari, K K 026629
Tewari, S C 024564
Tewari, S N 030305
Tewari, U J 024496
Tezuka, T 026790
Tezuka, Y 030906
Thabaraj, G J 030955
Thadani, J A 021539
Thaer, R 024808
Thak, T Y 024203, 024206
Thakur, M L 029597
Thakur, P C 030472
Thakur, R S 023745, 023812
Thaler, H 022552
Thalmann, A 023050
Tham, M K 023470
Thananunkul, D 022781
Thanasoulopoulos, K K 028365
Thangavel, P 029557
Thanh, V H 022841
Thanikachalam, M 024847
Thantrey, N 024516
Thaxton, P 024996
Therasse, R 029912
Theret, M 023872
Theron, P D 029529
Therrien, H P 026932, 026933
Thevenot, C 027232
Thibau, C E 025077
Thibault, B E 021997
Thibault, C 024125
Thibault, J F 022380
Thibier, M 024052, 024134
Thibodeau, P S 027036
Thibout, E 028825
Thiele, H 029859
Thiele-Wittig, H C 021650
Thien, L B 025833
Thien, W 026787
Thienes, J 028340
Thiers, H D 025788
Thiers, H D ed 025786
Thiery, J C 023347
Thiessen, D D 022175
Thiessen, H W 021170
Thijssen, H A C 022448, 022449
Thilakarajan, N 024568
Thimijan, R W 030148
Thimm, H U 021461
Thimonier, J 023988, 024000, 024002
Thirunavukarasu, S 024500
Thoen, D 025963
Thomann, R V 026804
Thomas, B 028440, 028442
Thomas, B W 029151
Thomas, D 027567
Thomas, D R 027241
Thomas, G M 028757
Thomas, H 026241
Thomas, H R 023762, 023765
Thomas, J 026395
Thomas, J B 026108
Thomas, J P 026697
Thomas, J W 023764, 025038, 028724
Thomas, Katherine G 022349
Thomas, N A 026545
Thomas, P 022949
Thomas, P C 025877
Thomas, R D 026751
Thomas, R E 030855
Thomas, R J 024662, 024755, 027589
Thomas, W C 021471
Thomas-Orillard, M 029235
Thomasow, J 022613
Thompson, A 028559, 028573
Thompson, B 029118
Thompson, B K 026188
Thompson, C A 021929
Thompson, C A Jr 021923, 021930
Thompson, F C 029656
Thompson, H E 028940
Thompson, J L 021227
Thompson, J N Jr 029363
Thompson, K F 023828, 024182
Thompson, L M 027408
Thompson, P 025563
Thompson, P H 029071
Thompson, R 022145
Thompson, R C 024956
Thompson, T L 022843
Thompson, W K 027118
Thomsen, A 028174
Thomson, A J 029289
Thomson, A P 025053
Thomson, B F 025699
Thomson, C D 022057
Thomson, D C G 026960
Thomson, D J 023779
Thomson, J A 029414
Thomson, N M 023373
Thones, J 027276
Thoni, E 027371
Thorburn, G D 023543
Thoren, P N 023228
Thornell, L E 023412
Thornhill, R 029461
Thornton, I 030252
Thornton, K 021310
Thorp, R W 026835
Thorpe, H J 027927
Thorpe, T A 027217
Thos, A 023663
Thurlby, J A 022594, 022595
Thurman, G W 023505
Thurmon, J C 024296
Thurtell, G W 030643
Thust, U 025374
Thyfault, H A 024321
Thykeson, E 025512
Ticho, R J 027617
Ticmanis, U 022861
Tidder, E 027243
Tidwell, A L Jr 028706
Tiemann, K H 022956
Tien, C 026326
Tierson, W C 025468
Tietjen, C 030424
Tietz, A 027127
Tikanadze, L N 026291
Tikhonov, V N 024219
Tikhonova, M V 025439
Tikmenov, N V 030071
Tilak, K V B R 030220, 030222
Tilakaratne, N 022649, 023367
Tiller, K G 030440
Tilley, D S 021445
Tillie, M 029952
Tillon, J P 024682
Til'menbaev, A T 028805
Tilney, L G 023497
Tilton, E W 028978
Timasheff, S N 023306, 023482
Timberlake, C F 026582
Timm, F 021868
Timmer, M J G 027643
Timmermann, F 021808
Timmins, R S 022450, 022458, 022578
Timofeev, K N 027132
Timofeev, V B 026269
Timoshenko, E A 022837
Timoshkina, V A 030763
Timpl, R 023391
Tingey, W M 028751
Tingle, J N 030435
Tingpalapong, M 024675
Tinklepaugh, W C 021533
Tippins, H H 028742, 029216
Tippit, D H 026817
Tirosh, Z 022902
Tisdale, H 027812
Tishchenko, E I 028108
Tishchenko, N F 022987
Tisne, A 030946
Titchen, D A 023553
Titchener, A L 025493
Titenko, N V 024220
Titov, D A 028691
Titus, J 025893
Titus, J S 027197, 027204
Tiurin, E G 025111
Tiurina, L V 022986
Tiwari, K N 030241
Tjalve, H 023189
Tkachenko, B N 029941
Tobias, W 029342
Tobino, T 023873
Tobita, K 024786
Toborowicz, K 025678
Tobschall, H J 030200
Toburdanovskaia, L A 025344
Tocchini, M 024711
Toda, S 027493
Toder, V 024517
Toensmeyer, U C 030928
Tognoni, F 027090, 027277
Togo, T 024484
Toh, N 022959
Tokarev, B I 025522
Tokarev, V A 030136
Tokarskaya, V I 023450
Tokimatsu, K 030360
Tolbert, B M 022028, 022039
Toledo, R T 022726
Tolle, A 021944
Tollefson, J J 028729
Tollin, G 022195
Tolnai, R 029896
Tolokonnikov, IU A 023963
Tolstova, T S 025352
Tolstykh, G 030487
Tom, F K T 021141
Toma, B 024495, 024681, 024682
Toma, R B 023748
Tomar, K P 030307, 030312
Tomaru, K 028220
Tomasovic, B J 027080
Tomatis, L 029170
Tomenko, T V 029495
Tomimura, T 024626, 024629
Tominaga, T 028132
Tominaga, Y 029402
Tomita, K 027903
Tomita, Y 023717, 023718, 026463
Tomiyama, K 027972
Tomme, M F 023960
Tomoda, G 029774, 029775
Tomonari, I 024655
Tomov, V 029561
Tomoyeda, M 026346, 030904
Tompkins, R V 024455
Tompsett, A A 028311
Tonder, S V van 022061
Tonecki, J 028498
Tongeren, J H M van 022002
Tonidandel, P 023157
Tono, T 022869
Ton-That, S 021166
Tontis, A 024713
Toomer, D K 028394
Top, F H Jr 024675
Topal, V I 028465
Topel, D G 021928, 022675, 023455, 023758, 023763
Topoff, H 029223
Topp, W 029712
Torbini, V I 030537
Torchia, D A 023301
Torchinskii, YU M 023310
Torchio, D M 029666
Torchio, P F 029666
Toregard, B 026664
Torgersen, T R 028961
Torgovnikov, G I 025445
Tori, K 026463, 026845
Torii, R 023566
Toriumi, T 023931
Toropkina, M N 026265
Torovtsev, V V 028024
Torrealba, J P 021623
Torres, C 030475
Torres, H A 021623
Torresani, J 023559
Torten, M 024530
Toscano, N C 028733
Tosic, M 028161, 028164, 028255
Tosovsky, J 026156
Toszegi, Z 021273
Toth, A 026886
Toth, G M 022384
Toth, L 030103
Toth, M 021273, 023796
Tots'ka, L IA 024245
Totusek, R 023149, 023905, 023907, 027424
Touitou, Y 023176
Toulouse, P 023663, 023664
Touret, M 023350, 023409
Tourniel, F de 023349
Tournon, G 030637
Touvet, A 027913
Towers, G H N 026772
Townsend, C C 025728
Townsend, G F 029730, 029731
Townsend, W E 021909
Toyosawa, K 023667
Trach, W M 026400
Traci, C 025227
Tramezzani, J H 023178
Trammel, K 028856
Trapp, A 024852
Trappe, J M 025766
Trapy, G 027170
Traub, E 024801, 024802
Traulsen, H 030052
Trave, J 029462
Travis, M R 021194
Trefan, L 030106
Tregub, V G 023035
Trehiou, P 021621
Treiber, E 025483
Trelease, R N 027265
Trentin, J J 024437
Treu, H 024240
Trevelyan, W E 022507
Trevino, I C 026894
Treyer-Evans, J 027771
Tribel', S A 028917
Trifilieff, E 023657
Trifonov, D 028199
Trifonova, E V 021348
Trillo, A 023402
Tripathi, C M 030317
Tripathi, R D 022105
Tripathi, R P 030248
Troester, P 027744
Trofimov, A N 025344
Troidl, H 023323
Troitskaia, T G 023680
Trojanowski, J 026324
Tronov, V N 023007
Trouche, E 023353
Trought, T E T 028772
Troughton, J H 026856
Trounce, R H 021618
Trout, J R 023536, 023537, 029012
Truchet, M 029433
Trucksess, M 021918
Trudgill, D L 028402, 028403
Trueblood, E 025777
Truhaut, R 029090
Trujillo, D P 025263
Truksa, J 029897
Trunin, R F 027166
Trunina, N P 027166
Truong Quang Hoc, 029503
Tryn'ko, R I 021339
Tryon, A F 025989
Tryon, C A 025887
Trzcinski, T 022099
Tsafriri, A 024135
Tsai, Y H 023488
Tsao, C H 029213
Tsapko, V G 030571
TSatska, E M 025406
Tschesche, R 026839
Tsekos, I 025628
TSener, A G 023082
Tsiang, H 024494
Tsikaridze, O N 028020
TSil'ke, R A 026276
Tsitlenok, S I 026147
TSizin, IU S 029865
Tsuchiya, T 022408
Tsuda, T 023660
Tsuji, S 023359
Tsujino, M 026595
Tsunoda, K 024627, 024631, 024633, 024654, 024656
Tsunoda, Y 024145
Tsunogae, S 022664
Tsutsui, K 030402
Tsutsui, T 024144
TSutsumanski, V 024342
Tsvetkov, P 024409
Tsvetkova, A G 028472
TSyba, A 027432
Tsybul'skaia, G N 028478
Tsyganov, E A 025324
TSyhylyk, B I 021338
Tu, C C 025982
Tubaki, K 025904
Tucker, E S 030812
Tucker, R E 023844
Tucker, S C 025642
Tuffet, A 026917
Tully, G A 029009
Tung, H T 024996
Tunstall, B R 027305
Tupitsa, P P 021814
Turabelisdze, D G 026474
Turala-Szybowska, K 025929
Turc, J M 022452
Turcek, J 026881, 027347
Turchyn, V H 021344
Turi, R M 023924
Turker, F 024110
Turker, R K 023594
Turkowski, F J 025911
Turlai, I V 025408, 025449
Turler, S 026037
Turman, E J 023908, 024092, 024210, 024212
Turnage, G W 030152
Turnbull, A C 023514, 024105
Turner, A S 024320
Turner, B 025224
Turner, B L 025853
Turner, C E 026716, 026749
Turner, D H 027592
Turner, E M 027194
Turner, H M 026001
Turner, J C 021952
Turner, M J B 030088
Turner, R 027485
Turpie, D W F 022712
Turski, J 023785
Tustin, J R 025054
Tutt, C R 028270
Tutt, S F 029842
Tuttle, C 029288
Tuttle, R S 023221
Tuxen, S L 029605
Tuya, O comp 021142
Tuyama, T 025714
Tverdokhlebov, V A 026285
Twardy, S 027370
Tweeten, L 021734
Twomey, A 024175
Tyagi, B N 027355
Tyagi, B R 026235
Tyberg, J V 023467
Tyhurst, M 023501
Tynan, M 023552
Tyrchniewicz, E W 021479
Tyree, M T 026452
Tyrrell, D 028666
Tyssebotn, I 023182
Tytgat, G G 021865
Tyukavkina, N A 025277, 025278
Tzanakakis, M E 028837
Tzimas, E 030349
Ubertalle, A 022579
Ubertini, L 030720
Uchida, K 030378
Uchiida, K 030624
Uchikawa, K 028994
Uchinuno, Y 024482
Uchiyama, M 021910
Udachin, R A 021119
Udalov, I N 024811
Uddin Ahmad, M 024374
Udenfriend, S 022015
Udintsov, P S 028477
Udy, P B 029160
Uebbing, W 021207
Ueckert, D N 028727
Ueda, M 027973
Ueda, S 026522, 028125, 029774, 029776
Uehara, Y 029259
Ueki, A 023428
Ueno, A 026516
Ueno, H 024653
Ueno, K 027824
Ueno, T 027982
Ueno, Y 026592
Uexkull, H R von 030445
Ueyama, M 026845
Uffelen, J A M van 028299
Ugalde, T D 027122
Uhlin, L 025485
Uilenbroek, J Th J 024106
Ujvari, E 028935
Ukhanova, S A 021973
Ul'ianovskaia, R I 025330
Ullemeyer, H 022850
Ulmann, L 027553
Ulonska, E 022391
Ulrich, B 027316
Ulrich, K 021239
Ulyatt, M J 023832
Umansky, S R 023450
Umarov, A U 026506
Umarov, Sh A 028762
Umeda, K 022473
Umeda, M 021893
Umeki, K 022890
Umemoto, Y 022559, 022612
Umeya, K 028877
Umezawa, B 026517
Umino, Y 024419

Unger, A 028941
Unger, G 026731
Unger, P D 026646
Unger, P W 030467
Unger, S G 022431
Unger, W 028941
Ungureanu, S 025478
Unkel, R 021512
Unklesbay, Nan 022289
Unnikrishnan, K 028541
Unny, T E 030791
Unwin, C H 028049
Unzicker, H J 027115
Upadhyay, R R 026759
Upadhyay, S N 022725
Upadya, G S 030297
Uphaus, R A 026928, 026929
Uppal, D K 027181
Uppal, P K 023445
Upper, C D 028148
Urago, T 028870
Urban, W E Jr 023770
Urbatsch, L E 026739
Urmi-Konig, K 025616
Urness, P J 026987
Ushakova, G A 025321
Usher, C D 021933
Usher, M B 030274, 030275
Ushiyama, K 028317
Ushiyama, R 028249
Uskov, IU N 025313
Usmanov, N G 030073
Uspenskaia, G D 028006
Uspenskii, F M 028765
Uspenskii, V V 025709
Usubillaga, A 026720
Usyk, H E 027856
Usynina, R V 026471, 026491, 026936
Utermark, H 027798
Utrobina, N M 030277
Utsumi, I 022212, 022213
Utter, M F 023479
Utterback, W W 024443
Uyemoto, J K 028169
Uyeshiro, R Y 021544
Uytdenhoef, P 026821
Uzelac, M 021853
Uzlov, G A 025344
Uzuka, Y 026590
Vaajakorpi, H A 030875
Vachon, M 029686
Vadkerti, Z 025283
Vadopalas, A I 028626
Vago, C 029016
Vahle, J R 026987
Vahouny, G V 022135
Vaidyanathan, C S 026777
Vaiman, V E 025410
Vainio, H 022194
Vainshtein, V M 028031
Vaishampayan, S M 028840, 029336
Vakis, N J 022945
Valadz'ko, V K 030556
Valantines, J 024457
Valdaiskii, N P 030166
Val'dman, A R 023948
Valente, M E 023924
Valente, O F 025159
Valentine, E W 028675
Valette, R 027827
Valeva, S A 026282
Valin, C 022643
Valla, V V 021086
Vallee, J C 028537
Valles, E 022632
Vallet, M 021126
Valuiko, G G 022986
Vamadevan, V K 030456
Van Aarde, I M R 023690
Van Adrichem, M C J 030435
Van Blerkom, J 024054
Van Campo, M 025794
Van den Berg, A J 026842
Van Den Bosch, R 028647
Van der Heide, L 024439
Van der Merwe, H J 023691
Van der Merwe, J A 023775
Van Dooren, P H 023045
Van Dyke, D 022434
Van Epps, G A 027555
Van Hook, R I Jr 030885
Van Hoosier, G L Jr 024338
Van Lelyveld, L J 027892, 028126, 028127, 028128, 028129, 028320
Van Meir, L 021588
Van Rinsvelt, H A 029357
Van Someren, V G L 029546
Van Steenwyk, R A 028733, 029400
Van Vreden, G 029073
Van Vuuren, W 021167, 021177
Vanbelle, M 022708
Vance, D E 023276
Vanden Born, W H 026934
Vandenbrande, G 024416
Vanderhoef, L N 027024
Vandermeir, M A 022099
Vandersall, J H 027396
VanDerSlik, A L 029111
Vanderzant, C 021922, 021923, 021929, 021930
Vandevelde, M 024716
Vandysheva, V I 026484
Vane, F M 022197
Vaneian, S 030671
Vanesse, R G 027306
Vanichkina, S I 023168
Vaniman, D 023628
Vankai, T A 021663
Vankat, J L 025889
Vanky, K 025823
Vannereau, A 025968
Vannes, G 027811
Vannier, P 024682
Vanorle, L 021246
Vanossi, L 021805, 022478
Vansuyt, G 028537
Van't Hof, J 025940
Varadin, M 024276, 024937
Vardaniia, L IA 028118
Vardukadze, D A 027293
Varela-Diaz, V M 024790
Varendi, T 030960
Varfolomeev, S D 027167
Varma, S K 024123
Varma, T K 024522
Varnell, T R 023635
Varner, J E 026882
Varney, W Y 021849
Varshalovich, A A 028692
Varshavskaia, K N 025330
Varshney, T R 024560
Vartanian, G 029303
Vashalomidze, A D 026291
Vashkevich, L F 030560
Vasic, M 028956
Vasilenko, D IA 023964
Vasilenko, N 027786
Vasil'ev, D S 027577
Vasil'ev, V YU 023310
Vasil'eva, K V 028027
Vasil'eva, L G 022836
Vasilevskii, A G 030657
Vasilevskii, N N 023524
Vasilevskii, V D 028807
Vasin, V B 028033
Vasin, V T 023668
Vassal, J 025843
Vasu, S 026829, 027288
Vasung, V 025251
Vathana, S 023888
Vatthauer, R J 027346
Vaughan, P F T 027247
Vaughn, H W 024584
Vavra, L 024921
Vavra, M 023144, 023863
Vazquez, D 024952
Vecchia, P T D 022920
Vecchio, G 027257
Vecht, J van der 029604
Veeger, C 022423, 022424, 022425
Veen-Baigent, M J 022034
Veenhuis, M 026377
Veerabasappa Gowda, T 029791
Veevers, A 026096
Veiga, J S 023915
Veiisov, S 025046
Veillon, C 026396
Vekker, I I 023171
Velasco, E A 023650
Velde, H J ter 028836
Veldstra, H 023286, 023289
Velebil, M 030126
Velev, B 028529
Veliev, M I 030683
Velikina, G M 030765
Velikovsky, V 026152
Velikzhanin, P I 025209
Velisek, J 022555
Vellianitis-Fidas, A 021651
Velling, K 024812
Velthuis, H H W 029820
Ven, B L van der 022847
Vengrzhanovich, R N 030768
Venkata Rao, B V 030592
Venkatachari, S A T 029257
Venkatakrishna, B V 022587
Venkataramaiah, N 021862
Venkataraman, G S 029916, 030392, 030393
Venkataraman, K 026573
Venkataraman, L V 022183
Venkataraman,L V 022179
Venkataramu, K 026602, 026603
Venkatasubramanian, K 023435
Venkatesan, R A 024568
Venkatesh, V 025513
Venkitasubramanian, T A 021983, 026601
Venugopal, B 021876, 024951
Vera, R R 023626
Verberne, G 023372
Verberne, L R M 024732
Verdcourt, B 025727, 025734, 025737
Verderevskaja, T D 028305
Verderevskii, D D 026309
Verdiere, J 026089
Vereecke, M 030404
Vergnaud, J C 026370
Verhoeven, J T A 025870
Verhoyen, M 028254, 028275
Verlev, I 030069
Verleyn, P 024915
Verma, B P 027851
Verma, J P 028149
Verma, K D 028831
Verma, K S 030470
Verma, N C 023038
Verma, S 028845, 028847
Verma, S M 030483
Vermeulen, C A 026377
Vernon, L P 027138
Verry, E S 025022
Versen, G 029507
Versteeg, P G A 023549
Vervack, W 022708
Verwer, F L J A W 027596, 027605
Veselovskaya, O V 029317
Veselovskii, I 027789, 028389
Vesi, B 021078
Vesk, M 025956
Vesselinovitch, D 021992
Vetter, R L 023758, 023763
Vettorazzi, G 029093
Veverka, Joy 022176
Vez, A 027453, 027501
Via, J E 021765
Vian, B 026024
Vicente Hernandez, M A 030186
Vick, J A 024997
Vickery, J W 025695
Victor, T S 027024
Victor, V J 025382, 025386, 025387
Vida, Z 025283
Vidal, B de C 029306
Vidal, E 023664
Videv, V Zh 025322
Vidiakin, A I 025201
Vidrich, V 025388
Vidyavati, 026866
Vieira, P 023147
Vieth, J 026107, 027069
Vietti-Michelina, M 022376
Vigil, E L 026058
Vigna Taglianti, A 029596
Vignes, D 026434
Vignes, E C 022854
Vigo, J P 022768, 022769, 022770
Vihan, V S 024843
Vijay, O P 028863
Vijayalakshmi, M A 022880
Vijayalakshmi, R 022110
Vijayalaxmi, 022158
Vijayasarathy, C 028220
Vijayashankar, Y N 029114
Vijendra Rao, R 025279
Vijver, L M van der 026637
Vik, E W 027808
Vikharev, B G 025302
Vikram Reddy, M 024879
Vilbaste, J 029364
Vil'chinskii, A D 024266
Vilder, J de 022628
Villa, T G 026375, 026382
Villadsen, A 021931
Villalon, B 028417
Villanueva, E C 029104
Villanueva, J R 026382
Villegas, M A 027831, 027832
Villiers, A 029537
Vimokesant, S L 022000
Vinaras, R 021438
Vincent, J 024406
Vincent, J J 028822
Vincent, K R 022498
Vincze, F 022757
Vindyukov, P M 030980
Vinogradov, V A 028100
Vinogradova, E B 029421
Vinson, S B 028722
Vir, D 027964
Viratel, M 029951
Viring, S 024275
Vishakantaiah, M 028832
Vishwapremi, C 029483
Visona, L 030175
Visser, J 022423
Visset, L 025964
Viswanath, G K 030311
Viswanathan, L 026601
Visweswara Gowda, B L 028832
Viton, A 021654, 021657
Vitt, D H 025655, 025656
Vivekanandan, M 028509
Vlad, P F 027314
Vladimirskaia, M E 028109
Vlasenko, A N 028634
Vlasenok, L I 026947
Vlasov, G D 025400
Vlasova, O P 026277
Vlcek, Z 024385
Vleggaar, R 026842
Vodop'ianov, P A 021819
Voerkelius, G A 022390
Vogel, S 027142
Voggenreiter, V 025749
Vognarova, I 023670
Vogt, D W 023145
Vogt-Rohlf, O 024277
Vohra, P 023809
Voitovich, K A 026309
Vokoun, P 024384
Vokral, M 028589
Volek, V 026881
Volk, G M 027105
Volkov, V D 025112
Volkova, E P 025336
Vollbrecht, D 026868
Voloshchik, P D 029984
Voloshina, A I 023000
Volovik, A 028388
Volovik, A S 028016
Voltukhov, V A 028903
Von Elbe, J H 022937
Von Stryk, F G 029182
Vondracek, J 026155
Vondracek, M 025693
Vongpradist, S 029053
Vonkeman, H 024497
Voogt, S J 027622, 027637
Vooren, J v d 029875
Vooren, J van de 029986
Vora, V J 028718
Vorob'eva, T A 021229
Voronin, I V 025106
Voronina, T N 030750
Vorst, J J 028319
Vorster, T H 023971
Vortnichuk, V A 024770
Vos, N R de 023232
Voskresens'ka, N S 024247
Voskresenskaia, G S 022830
Voskresenskaya, N P 027275
Voss, E 022613
Voss, R D 030509
Vossen, J M 024536
Voticky, Z 026527
Votoupal, B 027654
Vovk, A S 024387
Vovk, M 027998
Voznesenskii, A N 030767
Vranic, M 023413
Vrbova, G 023611
Vries, U de 022225
Vries-Akkerman, E de 023589
Vroomen, C O N de 021356
Vrubel', S V 026947
Vsevolozhskaya, M A 030754
Vsevolozhskii, V A 030782
Vu Ngoc Huyen, 029090
Vuglinskii, V S 030776
Vugt, F van 023589
Vujicic, R 027302
Vukov, K 022856
Vullioud, P 027455
Vulsteke, G 028584
Vuoto, V 027701
Vuust, J 023396
Vuyst, A de 022708
Vyas, C R 022107
Vyas, K M 028078
Vyhnalek, J 024757
Vykhodtsev, M 030670
Vykoukova, I 022555
Vyncke, W 022536
Vynokhodova, H O 024248
Vyrodov, V A 025310, 025347
Vyrodova, L P 022437, 023030, 023034, 025316
Vyshnivs'kyi, A M 027855
Vysotskii, K A 026211
Vythilingam, M K 028391
Waaij, D van der 024536
Waaland, S D 026818
Wackerlin, O 021636
Wada, M 023415
Waddell, D R 026535
Waddill, V 028705
Wade, R 021146
Wadsworth, H A 021743
Waelti, H 030864
Waes, G 021964
Wagenitz, G 025624
Wagland, B M 028999
Wagner, D 023910
Wagner, D H 029110
Wagner, G 026367
Wagner, G J 026067
Wagner, H 026581
Wagner, J 023266, 023408
Wagner, R H 025886
Wagner, V E 029009, 029043
Wagner, W H Jr 025673
Wagstaff, K H 029063
Wahlin, T 023423
Wahlstrom, P 023112
Wahlstrom, R C 023761
Waibel, P E 023382
Waid, J S 028397
Wain, R L 026815
Wainman, H E 028985
Wainsright, L K 023399
Wainwright, S D 023399
Waisel, Y 026793
Wakae, O 027986
Wakerley, J B 023519
Waldbauer, G P 028741, 028840, 029336
Waldert, B 030419
Waldmann, E 022082
Walenga, R W 026627, 026630
Walerianczyk, E 022857
Wali, J P 022011
Walker, B L 022181
Walker, D B 026061, 026062
Walker, D C 026820
Walker, D M 023699, 023700
Walker, D R 022746
Walker, E F Jr 023818
Walker, H J 027457, 027458
Walker, I K 022696
Walker, J F 024581
Walker, J M 024358
Walker, M 030652
Walker, M A 022103
Walker, R 022511
Wall, C 023047
Wall, G J 030948
Wall, L L Sr 023043
Wall, R 028736
Wallace, B 024030
Wallace, C E 024824, 024954
Wallace, D R 028929
Wallace, H M 024314
Wallace, J D 023064, 023861
Wallace, Jane 022314
Wallentine, M V 023143
Waller, G D 029819
Waller, P J 024662, 024755
Wallerstrom, G 024569, 024569
Walles, B 026035
Wallis, D I 023327
Wallner, W E 028918
Wallsten, H I 025502
Walpole, A L 023979
Walsch, S 022019
Walser, M 022149
Walsh, C 030806
Walsh, G E 026548, 028337
Walsh, K A 026401
Walsh, L M 026942
Walsh, S R 028579
Walsh, W J 024359
Walter, K 021408
Walter, R H 022482
Walter, S 029713
Walter, T J 027015
Walters, L 023906
Walters, L J Jr 030949
Walther, J 028580
Walti, H R 029931
Walton, E 023316
Walton, G M 029755
Walton, G S 029075
Walton, J W 030917
Walton, P 027668
Walton, P D 027380
Wanasinghe, D D 024500, 024948
Wander, J D 022154
Wander, J F 023134
Wanderka, H 024994
Wanders, J B W 025865
Wang, A H J 026812
Wang, C Y 030728
Wang, P H 021684
Wang, S C 026326
Wangsness, P J 023616
Wanjura, D F 022812
Wanner, H U 030987
Wappler, C 025370
Warchalowski, A 029616
Ward, C 021302
Ward, C W 029384
Ward, D B 025668, 025669
Ward, D E 025196
Ward, E W B 027156, 028049, 028063
Ward, J 027660
Ward, N I 030869
Ward, R 023552
Ward, T 027194
Wardale, D A 027253
Warden, G D 030526
Wardlow, L R 028813
Wareing, P F 027201
Wargo, J P 029105
Warland, R H 021372
Warland, Rex H 022121
Warley, T K 021705
Warncke, D D 030332, 030518
Warner, D L 030867
Warner, R G 023821
Warnet, J M 029090
Warnken, P F 021803
Warnqvist, B 025490
Warr, I 029066
Warren, D S 022951
Warren, K R 023307
Warren, M 029054
Warren, W G 025512
Wascoe, J 022230
Washburn, K W 023339, 024448
Wasserman, A E 022680
Wassermann, D 029170
Wassermann, M 029170
Wasserthal, L T 029422
Watanabe, K 027376
Watanabe, M 027716
Watanabe, N 029228
Watanabe, S 023573
Watanabe, T 023231
Watanabe, Y 026771, 028581
Waterman, P G 026715
Watkins, J 029085
Watkins, L W 024304
Watkiss, J 029208
Watling, R 025648, 025784
Watson, A D J 024872
Watson, A K 027920
Watson, A L 029379
Watson, J J 024408
Watson, K K 030388
Watson, M C 028348
Watson, R N 028779, 028781
Watson, T F 028708, 028709
Watson, T J Jr 025811
Watson, W J 025179
Watt, Bernice K 022120
Watters, C 023639, 023640
Watters, R L 030902
Watts, B B 021788
Watts, L E 026083
Watts, M 022091
Watts, Melanie 022349, 022350
Wax, L M 028614
Waymack, L B 023857
Weatherby, T J 022546
Weatherston, I 029272
Weaver, C R 030717
Weaver, N 029807, 029808
Weaver, R J 027699
Weavers, E D 024577, 024914
Webb, D T 027186
Webb, J R 030509
Webb, K E Jr 023765
Webb, P D 029393
Webb, R E 028261
Webb, R M 028399
Webber, E E 025813
Webber, K 028779, 028781
Webber, L A 029038
Webber, L R 030822
Webel, S K 023994
Weber, A 025952
Weber, C W 023526
Weber, F 022598, 024287
Weber, N S 025778
Weber, W 022569
Weberling, F 025958
Webster, A C 024432
Webster, G L 025831
Webster, J A 028670
Webster, J M 028343
Wechsung, E 024256
Weckel, K G 021917
Weeks, J 021195
Weete, J D 026763
Wegner, W 024254, 024826
Wegrzyn, S 026167
Wehner, R 029500, 029779
Wehrhahn, C F 026126
Wehrmann, J 030587
Wei, L S 022784
Weidemann, G 029471
Weiers, C J 023164
Weigmann, G 029473, 029689
Weihe, W H 023578
Weihenstephan, S 030031

Weijer, K 024367
Weiland, F 024805
Weilenmann, F 027454
Weiler, N 028103
Weiler, P R Jr 025893
Weiling, F 027411
Weill, R 023349
Wein, R W 025879
Weinberg, A M 021755
Weinberger, P 025861, 026927
Weiner, J 025266, 025267, 025268, 025269, 025270, 030810
Weinke, H H 030199
Weinstein, M 025797
Weipert, D 022752, 022763
Weir, M J 022393
Weis, W 022018
Weisburger, J H 021839
Weischer, C H 024814
Weisenseel, M H 027192
Weiser, J 029427
Weisgerber, I 030884
Weiss, E 024421
Weiss, G B 023261
Weiss, M J 025822
Weiss, R L 026200
Weissenberg, K von 027955
Weisz, J 022488
Welch, J A 024089
Welch, K E 027914
Welch, R A S 024180
Weliange, L V 024500
Wellburn, G V 025139
Wellenstein, G 021977
Wellhauser, R 022644
Wellings, F M 030956
Wellington, K E 024249
Wellington, W G 028715, 028924
Wells, D A 029877
Wells, J M 028057, 028073
Wells, K F 024344
Wells, M E 024212
Wells, N 030265, 030266
Wells, P W 024422, 024756
Wells, R C 021375
Wells, R D 029048
Wells, R G 023744
Wells, V L 025773
Welsh, R D 028776
Welton, M A 028666
Wendel, G W 025262
Wendlandt, S 024612
Wenkert, E 026653
Wensing, T 024368
Wetminhausen, B 030596
Werner, F G 029654
Werner, J K 025069
Werner, M 027340
Werner, P A 026360
Wernicke, W 026860
Werther, William B Jr. 022273
Weseloh, R M 028644
Wesley, W K 027814
Westcott, N D 029290
Westerberg-Berndtsson, U 024569
Westergaard, K 021820
Westerhof, N 023549
Westfall, D P 023255
Westigard, P H 028871
Westin, S I 022207
Weston, G D 027154
Weswig, P H 022182
Wetekam, W 023491
Wethli, E 023706
Wettemann, R P 023149, 024092, 024210, 024212
Wettergren, C J 025506
Wetzel, T 028808
Wexler, B C 022162
Weyh, H 022743
Whalen, M 025853
Whalen, M L 027925
Whalley, W B 027334
Whang, D W 021963
Whanger, P D 022182
Whateley, J 024177
Wheat, J D 024325
Wheatcroft, R 026226
Wheeler, A G 024122
Wheeler, A G Jr 028814, 029708
Wheeler, E F 022060
Wheeler, F B 023476
Wheeler, H 028314
Wheeler, J 029467
Wheeler, R O 021472
Wheeler, W E 023766
Wheeling, M R 022701
Whelan, E D P 026118
Whelan, W J 027171
Whelan, W L 026197
Whenham, R J 022946, 022953
Whigham, T L 028727
Whipple, R D 024334
Whitaker, J N 024588
Whitcomb, C E 030724
Whitcomb, W H 029214
White, B 029743
White, D A 030940
White, D J 021189
White, D S 029757
White, E P 028574
White, F C 021327, 021435
White, F H 024408
White, G M 022845
White, G W 026688
White, J D 028933
White, J K 030663
White, J M 024053
White, J W 027589
White, L D 028865, 029334
White, R A J 029876
White, R G 023769, 024299
Whitehead, A G 028327
Whitehead, D R 025801, 029707
Whiteman, J V 027424
Whitenack, D L 024784
Whitham, J M 029158, 030326
Whiting, D M 030943
Whiting, F M 022927
Whitlow, C E 026080
Whitson, P D 026359
Whittaker, J M 024953
Whittemore, A D 024440
Whittemore, C T 023777, 023804
Whittington, W J 027423
Whitton, J S 030504
Whitworth, N 023510
Whorton, E B 022004
Whyte, A G D 025149
Wichard, W 029339, 029419
Wichman, J R 028624
Wickberg, B 027157
Wickens, G E 025696
Wickman, B E 028960
Wickremasinghe, R L 028391
Wickstrom, A 027085
Widar, J 023976, 024014
Widdowson, E M 024828
Widdowson, F V 028403, 030478
Widebrant, E 027737
Widner, R R 021753
Widstrom, N W 028746
Wiebe, O R 021303
Wieczorek, E 026957
Wiegand, C L 027465
Wiegand, R C 026631
Wielgat, B 027034
Wiemken, A 026380
Wien, K J 022459
Wiencke, C 026063
Wieninger, L 022860
Wiens, D 026128
Wierbicki, E 022663
Wiersma, D 026891
Wierzbicki, R 023017
Wiese, A F 028490
Wieser, H 022553
Wight, J R 030707
Wijhe, J H G van 024369
Wiklicky, L 030579
Wikman-Coffelt, J 023384
Wilbur, R L 025807
Wilcox, H G 022151
Wilcox, J 029543, 029544
Wilcox, M D 025221
Wild, C 024463
Wildanger, W 022492
Wilde, J de 029831
Wildenhahn, V 023252
Wildenradt, H L 027108
Wildenthal, K 023223
Wildes, R A 026901
Wilding, L P 030948
Wildman, S G 026245
Wildt, D E 023224, 024208, 024989
Wiles, J S 024997
Wiley, R A Jr. 026750
Wilhelmsson, A 025495
Wilken, D H 025632
Wilkens, W 024231
Wilkie, D 026647
Wilkie, J S 029414
Wilkins, H F 027077, 027089
Wilkins, R J 023047, 023851
Wilkinson, G B 025147
Wilkinson, J F 028069
Wilkinson, Jule 022295
Wilkinson, R C 028937, 028938
Will, D H 023410
Willardson, L S 030642
Willeitner, H 023023
Willerson, J T 023223
Willett, G S 030698
Willett, J W 021704
Williams, A 021711, 030498
Williams, A K 022935
Williams, A S 028270
Williams, C A 026572
Williams, D B 023758, 023763
Williams, D H 023861
Williams, E 026240
Williams, E I 024827
Williams, G D 024723
Williams, G L 025660, 025661
Williams, I H 027205
Williams, J D 028496
Williams, J E 024440
Williams, J H 027366, 030567
Williams, J R 029613
Williams, K 025068
Williams, L O 025830
Williams, L R 030857
Williams, M A 028657
Williams, M C 026751
Williams, N H 025836, 025840, 025841
Williams, P F 027992
Williams, P G 027874
Williams, P H 027968
Williams, R 021603, 023315, 024222
Williams, R J P 027139
Williams, R R 027203
Williams, S 025885
Williams, W 027372
Williams, W A 026354
Williams, W D 029246
Williamson, F A 027017
Williamson, G B 025896
Williamson, J 022056
Williamson, R E 028039
Willinger, H 024298
Willingham, A K 022140
Willis, Barbara Wells 022089
Willis, J H 025751, 025753
Willis, J W 021559
Willis, O R 029040
Willis, T G 021699
Willis, W O 030712
Willison, J H M 026029, 026059
Wills, J H 030951
Wills, R B H 022944
Wilmot, C A 022735
Wilms, R A 024859
Wilmshurst, E C 024785
Wilshire, G 027006
Wilson, A J 024739
Wilson, B H 024587
Wilson, B J 023714
Wilson, C R 021916
Wilson, C W M 022022, 022029
Wilson, G C S 030394
Wilson, G F 028259
Wilson, G J 028560
Wilson, G N 023623
Wilson, G R 029409
Wilson, J A 024178
Wilson, J H 027366
Wilson, J K 023089
Wilson, J M 023832
Wilson, J R 026902
Wilson, K J 023393
Wilson, M 029453
Wilson, R A 022662
Wilson, R K 023800
Wilson, T E 030934
Wilson, W F Jr 027671
Wilson, W T 029842
Wiltbank, J N 023998
Wilton, D P 029051
Wilton, J W 024094
Wimmer, M J 023481
Windham, Frances 022124
Winfield, R P 026804
Winget, R N 030947
Wingfield, J C 023655
Winkelmann, F 022611
Winkler, E 027141
Winkler, S 022608
Winn, G W 024183
Winn, R T 024992
Winner, C 030580
Winnett, G 029084
Winspear, K W 029883
Winstanley, E W 024978
Winter, G R 021700
Winter, J 022019
Winter, J L 024195
Winter, M 026193
Winterer, H 022600
Winters, H F 026079
Wintersberger, U 026002, 026214
Win-Tin, 026378
Wirsing, J M 025927
Wirth, W W 029070, 029355, 029639
Wishart, D F 024004
Wishart, G J 023284
Wisniewska, H 027648
Wisniewski, H M 024717
Wisniewski, J 029383
Wissler, R W 021992
Wiswe, M 021153
Witalinski, W 029191
Witcher, W 028067
Withers, N J 027473
Witherspoon, J P 030885
Witherspoon, J T 025811
Withrington, P G 023332
Witkowska, H 030119
Witkowski, J F 028729
Witkowski, Z 030840
Witt, D J 029430
Witt, J A 025582
Witter, L D 021920
Witter, V 030500
Witters, W L 024859
Wittkowski, W 023358
Wittmann, Gy 025287
Wizemuller, W 023795
Wloch, W 025934
Wober, G 026684
Wochok, Z S 026536
Wodzinski, R J 030954
Wohlking, Wallace 022274
Wojciechowska, W 026333
Wojciechowski, J 021953
Wojtas-Wasilewska, M 026324
Wolde-Yohannes, L 030587
Woldring, J J 030515
Wolery, T J 030949
Wolf, A 022168
Wolf, F 025380
Wolf, M J S de 023290
Wolfe, J S 029869
Wolfe, N L 029112
Wolfenbarger, D A 028739
Wolff, J E 024652
Wolff, J O 025067
Wolffgang, H 028335
Wolfram, G 022171
Wolin, M J 023427
Wolk, C P 026395
Wollin, H 026564
Wolstenholme, B N 027107
Wolter, R 023787, 024896
Womach, J 022062
Wong, E 026583
Wong, H Y 030350
Wong, H Y C 021991
Wong, J N F 027976
Wong, M H 030227, 030922
Wong, T T Y 028851
Wong, Y I 022483
Wood, B 022094
Wood, D 024148
Wood, E A Jr 028732, 028769
Wood, E F 030787
Wood, H A 028239
Wood, P J 022488
Wood, R 022152
Wood, R J 023551, 029005, 029035
Wood, T K 028227
Wood, V A 021175
Woodcock, D 028040, 028041, 028042
Woode, G N 024477, 024658
Woodman, J S 022951
Woodruff, D R 027427, 027428
Woods, C 029976, 029977
Woods, R A 026198
Woodward, B 023327
Woodwark, W 026960
Woolfe, M L 022504
Woolford, M K 023047
Woollard, R F 025174
Woolley, J G 026724, 026725, 026728
Woolley, J T 029336
Wooltorton, L S C 027255
Woo-Ming, R B 026727
Wootton, M 022485
Worland, A J 026160
Worley, R E 027188
Wormell, P 022779
Worthington, R E 022532
Wovkulich, P M 026653
Woyke, J 029814, 029817, 029828
Wozny, A 025935
Wrathall, A E 024356
Wray, D D 024851
Wree, P 024237
Wright, B S 026952
Wright, D E 023829
Wright, D F 029057
Wright, D M 025538
Wright, J E 025781
Wright, K A 029004
Wright, M 027194
Wright, N G 021448
Wright, P C 023279
Wright, P E 027139
Wright, R L 030953
Wrischer, M 026033
Wronski, A 023190
Wrubleski, E M 030918
Wu, C H 028608, 028620
Wu, I M 027388
Wu, K K 026126
Wu, M 024058
Wu, M T 022930
Wuest, P J 028277
Wujek, D E 025804
Wunder, W 021945
Wunderlich, I 023395
Wunderlich, M 029377
Wunderlin, R P 025668
Wurmli, M 029559, 029563
Wurster, C F 029095
Wuschek, A A 030054
Wussling, M 023684
Wyatt, R D 023149, 023647, 023905, 024442, 024996
Wyers, M 024684
Wyman, D 027682
Wynter, C V A 023291
Wyss, E 022801
Xavier, S H 029636
Xenos, G 024509
Xylander, W 030182
Yabich, P A 027161
Yachida, S 024634
Yadav, B R 030295
Yadava, R C P 023432
Yafin, Y 027264
Yagi, M 026722
Yagishita, K 026340
Yahalomi, Z 029101
Yahata, S 023066
Yakovlev, A P 026219
Yakushiji, M 021242
Yamada, A 023717, 023718
Yamada, H 030370
Yamada, I 030376
Yamada, O 028519
Yamada, S 027994
Yamada, T 026101, 026102
Yamada, Y 026833
Yamagami, S 024629
Yamagishi, K 021932
Yamagiwa, E 021077
Yamagiwa, S 024874
Yamaguchi, A 028210
Yamaguchi, I 030250, 030667
Yamaguchi, K 026514
Yamaguchi, M 030214
Yamaguchi, T 026077
Yamaguchi, Y 024537
Yamahara, J 026654
Yamamoto, E 027238
Yamamoto, H 024877, 028519
Yamamoto, I 028976
Yamamoto, K T 027278
Yamamoto, M 027974
Yamamoto, N 027337
Yamamoto, S 026345, 026649
Yamamoto, T 022890
Yamamoto, Y 026790
Yamanaka, S 028151
Yamane, M 030544
Yamane, O 024979, 024980, 025002
Yamane, T 026811
Yamanouchi, M 028446
Yamasaki, N 022369
Yamashiro, T 024657
Yamashita, K 026349
Yamashita, S 027969
Yamashita, T 024620
Yamashita, Y 023067
Yamauchi, M 024138
Yamauchi, T 026722
Yamazaki, A 023067
Yamazaki, M 024959
Yamazaki, S 026394
Yanagawa, R 024655
Yanagiya, G 023566
Yanamura, S 026851
Yanase, H 028210
Yanchilenko, T V 026471
Yang, C S 026589
Yang, H M 021088
Yang, J C 026367
Yang, R S H 029117
Yang, S L 028771
Yang, T I 026589
Yang, T K 029442
Yang, Y K 022707
Yanitskii, I N 030980
Yap, S H 022002
Yarbrough, J D 029085, 029107
Yasoshima, A 024630
Yasuda, M 023231, 023569
Yasue, M 026656
Yasuhara, S 026554
Yasui, T 022664
Yasunobu, K T 026404
Yates, D 023322
Yates, H O III 028959
Yates, J M 023322
Yates, V J 024437
Yayathi, T 022178
Yazaki, E 029775
Yeadon, D A 028988
Yearian, W C 028937, 029423
Yeates, G W 028398
Yeh, C P S 021922
Yellin, E 023461
Yeow, Y M 026386
Yep, J 022234
Yerkes, Mary 022244
Yew, M L S 022025
Yocum, J O 027504
Yoder, O C 027925
Yoerger, R R 029978
Yohn, D S 024542
Yokoki, Y 024137
Yokota, M 024629
Yokoyama, T 025904
Yonaiyama, K 024490
Yoneda, T 025429
Yoneta, M 025417
Yonezawa, D 022734
Yong, R N 030350
Yonke, T R 029220
Yoo, I W 024688
Yoo, S H 022533
Yoon, I H 022975
Yoon, I W 022535
Yoon, Y D 024694
Yora, K 027969
Yoshida, F 026912
Yoshida, H 024626, 024629
Yoshida, I 030174
Yoshida, K 026903, 027824, 028274
Yoshida, M 022067, 027824
Yoshida, S 028409
Yoshida, T 022959, 026746, 029102, 030530
Yoshihara, S 024653
Yoshihara, T 026352, 028430
Yoshikawa, N 028654
Yoshikawa, T 023565
Yoshimi, Y 030356, 030360
Yoshimoto, C M 029283
Yoshino, H 026347
Yoshino, T 024877
Yoshizawa, M 026595
Yoshizumi, H 026350
Young, C T 026999
Young, J D 023279
Young, J H 030142
Young, K B 021740
Young, L B 030528
Young, P C 025872
Young, R C 029745
Young, R E 030147
Young, R H 022505
Young, S Y 029423
Young, T W K 025730, 025945
Young, V R 023704
Younglai, E V 024127
Youngman, B 028812
Youngquist, R S 024857, 024858
Yu, H S 029001
Yu, I O 026242
Yu, N Y 026534, 026559
Yu, Y 023764
Yu, Y S 022971, 022973, 027287
Yuasa, K 026344
Yuize, Y 025475
Yuk, A W C C 022060
Yuldashev, P Kh 026937, 026938, 026939
Yungen, J A 027843
Yunoue, T 027144
Yunusov, S YU 026473, 026480, 026483, 026501, 026503, 027312, 027313
Yunusov, T S 026937
Yurishina, N A 024220
Zabashtanskii, S A 030599
Zabelin, V A 030784
Zabierowski, K 025020
Zabik, Mary E 022343
Zabors'kyi, V F 030161
Zachmann, R 028076
Zagajeski, E 022016
Zahn, F G 027797
Zahn, R K 023600
Zahorsky, J 023194
Zahradnikova, W 024758
Zaidi, S 022164
Zaika, L L 022682, 026662
Zaikin, V P 023086
Zaikina, N A 026677, 026679
Zaitsev, N T 025436
Zaitsev, S V 027167
Zaitsev, V G 026478
Zaitsev, V M 025324
Zaitseva, G I 025346
Zajac, E U 025912

Zajicek, D 024758
Zak, R 023492
Zakay-Rones, Z 024444
Zakharov, P I 026489
Zakharova, N V 027509
Zakhriapina, T D 028024
Zakordonets, V A 028908
Zalasky, H 025017, 025018
Zalewski, J C 028146
Zalik, S 026112, 026930
Zallen, E M 022666
Zallen, Eugenia M 022119
Zalokar, M 029318
Zamaraev, A S 025435
Zamora, J 024799
Zamorani, A 022894
Zamyslov, E P 028475
Zandersons, IA G 025327
Zandonella, P 026046
Zanella, A 024457
Zanker, K 021772
Zannone, L 026172
Zaorska, H 022855
Zaretskii, Yu K 030208
Zartman, D L 024059
Zasada, J C 025067
Zatorskaya, I N 026486, 026487, 026488
Zatulovs'kyi, B H 024770
Zavarin, E 025473
Zav'ialov, A N 025333, 025349
Zavodnik, N 026425
Zavodny, J 021359
Zawadzka, B 028203
Zbarskii, I B 029799
Zdero, C 026462
Zedler, P H 025473
Zee, S Y 026922, 026923
Zeeb, K 023098
Zeeuw, D de 022906
Zeeuw, M de 021265
Zehner, J M 029240
Zeijst, B A M van der 024767
Zeisig, H D 030030, 030809
Zektser, I S 030766
Zele, W A van 022922
Zelena, J 023612
Zelenka, A T 021678
Zelenskii, S S 026250
Zelens'kyi, IU A 030156
Zelitch, I 027027
Zeller, F J 024943
Zemba, T 025288
Zembrzuski, J 030829
Zemlianukhin, A I 025200
Zemtsova, G N 026469
Zendali, J P 024714
Zen'ko, R I 025299
Zenon-Roland, L 021859
Zentgraf, H 023398
Zepponi, G 022877
Zerr, R 028338
Zetterman, R K 022003
Zettler, F W 028771
Zhang, S H 026328
Zharova, T V 025350
Zhdanovskaia, M I 028468
Zherevchuk, V M 021451
Zhidonite, IA 026246
Zhigachev, A I 024259
Zhila, E D 026137
Zhirnov, A A 030132
Zhivotkov, L A 026248
Zholkevich, V N 026540
Zhubaeva, R A 026505
Zhukava, I A 030555
Zhukava, P S 028597
Zhukov, A V 025412
Zhukova, V D 028460
Zhun'ko, V S 027045
Zhurba, M H 030745
Zhylina, V S 030557
Ziegler, A 022892
Ziegler, H 029630
Zieman, G W 025098
Zieman, J C 026374
Zierold, R 021238
Zieslin, N 027199
Zigangirov, A M 025129
Zikla, A 029996, 030000
Zil'berman, M I 025444
Zimaity, M T 025366
Zimmering, S 029449
Zimmerman, L 030640
Zimmerman, T J 022141
Zimna, J 026332
Zinchenko, A V 024773
Zindler-Frank, E 027063
Zingmark, R G 028372
Zinin, V I 021763
Zissler, D 029507
Ziuz', N S 025213
Zivanov, N 030543
Ziyaev, R 027312, 027313
Zlamal, P 026157, 027543
Zlatev, M Z 025322
Zoch, L L 025533
Zoeten, G A de 028269
Zogg, H 027979
Zola, A 022529
Zollner, N 022171
Zolotarev, A I 028010
Zolotukhina, E YU 027950
Zondag, R 028953
Zonenschain, L 021392
Zonn, S V 030291
Zontine, W J 024343
Zorin, I G 030576
Zotagina, S A 023031
Zotkina, G A 027852
Zotov, E P 026484
Zottl, H W 030460
Zottola, E A 022085
Zozulia, B A 027517
Zozulia, I IA 030600
Zscheischler, J 027568
Zubenko, V 027783
Zuev, E I 022846
Zuev, V 027788
Zufarov, F N 026468
Zummo, N 028315
Zunnunzhanov, A 026473
Zur Strassen, R 029491, 029697
Zurazynski, A 022581
Zurcher, K 022748
Zurita, L 024475
Zurma, T 025242
Zvirbul', A P 030494
Zvyagintsev, D G 030907
Zwain, H 022523
Zwart, A C 023103
Zwatz, B 027464, 028044
Zweens, J 023607
Zwetkow, P 024411
Zwick, R W 028816
Zwingelberg, H 022749, 022750, 022802, 022806
Zykin, A 021399
Zylberberg, L 023604
Zyrin, N G 030285
Zyska, B J 022479

SUBJECT INDEX

ABDOMEN
The diagnostic and prognostic value of lactate determinations in horses with **acute** *abdominal* crisis. 024332
Metabolic management of the horse with an **acute** *abdominal* crisis. 024869
Monitoring and evaluating the physiological changes in the horse with **acute** *abdominal* disease. 024870
Post-operative management of **equine** *abdominal* patients [Horses]. 024328
Suprapubic paramedian laparotomy for **equine** *abdominal* cryptorchidism. 024916
Natural products of *abdominal* and **metathoracic** scent glands of coreoid bugs [Coreidae]. 029220

ABELMOSCHUS
Seed development of *Abelmoschus* **esculentus** (Malvaceae). 026695

ABERDEEN *see* CATTLE

ABERRATION
Chromosomal *aberrations* in malnutrition [Rats]. 022158
Chromosome *aberrations* induced in rat lymphocytes by N-nitroso compounds as a possible basis for carcinogen screening. 021955

ABIES
Mass-spectrometric investigation of the abienols—diterpene **alcohols** *[Abies].* 027314
Effect of gibberellic acid on growth and photosynthesis in *Abies* **balsamea.** 027311
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, *Abies* **balsamea].** 028927
Evaluating damage caused to a campground by Douglas-fir tussock moth [Orgyia pseudotsugata, *Abies* **concolor].** 028960
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir *[Abies* **grandis,** Pseudotsuga menziesii] trees. 028962
Investigations on the timber quality of silver fir *[Abies]* and **Norway** spruce [Picea abies] from selection stands. 025296
The influence of sulfur dioxide and hydrogen fluoride on free amino acids of spruce **[Picea** *abies].* 025025
Investigations on the timber quality of silver fir [Abies] and Norway spruce **[Picea** *abies]* from selection stands. 025296
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, **Picea** *abies].* 025362
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from ion exchange chromatography **[Picea** *abies,* holocellulose]. 025492
Preliminary investigations on the suitability of phloem analysis as a diagnostic tool to predict the nutritional status of Norway spruce **(Picea** *abies* Karst.). 027317
The flowering biology of Norway spruce **[Picea** *abies]*—an obstacle to a rational program for tree breeding? 027340
"Atropellis [treleasei] canker" on planted **Picea** *abies* in Hokkaido, Japan. 027993
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (**Picea** *abies* L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Phenolic acids of the bark of Pinus silvestris, Pinus sibirica, and **Pinus** *abies* nephrolepis. 025277
Is there an apparent rhytmn of Lachnidae yearly occurrence, especially in honeydew **producers** on *Abies?* 029247
Recent experimental investigations on the Apennine fir *[Abies,* **taxonomy].** 025706
A new tissue essential to necrophylactic periderm formation in the bark of four conifers *[Abies,* **Tsuga** heterophylla, Thuja plicata]. 025974

ABIETACEAE
The vascular system of the fertile **scale** of *Abietaceae.* 025965

ABLATION
Effects of olfactory **bulb** *ablation* on maternal behaviour in sows [Swine]. 023248

ABNORMALITY
Anomalies in the **behaviour** of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. 028168
Two equine cogenital **cardiac** *anomalies.* 024851
Study on *teratological* **changes** in ant workers of Formica rufa group (Hymenoptera, Formicidae). 029383
Abnormalities in the **development** of male gametophyte in Morus laevigata. 025998
Endosperm *abnormalities* in Triticum-Secale combinations. I. X Triticosecale and its parental species. 026108
Endosperm *abnormalities* in Triticum-Secale combinations. II. Addition and substitution lines. 026109
Influence of low temperatures on **meiotic** *abnormalities* in soft spring wheat. 026144
Prenatal effects of elymoclavine [produced by Claviceps purpurea] administration and temperature stress **[Mice** *abnormalities].* 024859
Mid-piece *abnormalities* in bovine semen following experimental and natural cases of bovine ephemeral fever [a viral disease of cattle]. 024476
Anomalous **Miridae** (Heteroptera) from Australasia [Pseudopalaucoris, Mertilanidea, Termatomiris, new taxa]. 029612
Abnormal **oxidation** of seychellene [a perfumery constituent of patchouli and jatamansi oils]. 022549
Abnormal **presence** of hexyleneglycol in commercial essential oils of Vetiveria zizanioides and Cananga odorata. 022377
Abnormal **presence** of hexyleneglycol in the commercial essential oils of Vetiveria [zizanioides] and Cananga [odorata]. 026780
Fine structure of boar **sperm** *abnormality:* hairpin curved sperm. 024104
Further evidence on **thermal** *anomalies* around 15, 30, 45 and 60 degrees centigrade in plants. 026826
Teratogenicity of the **thermostable** beta exotoxin of Bacillus thuringiensis in Galleria mellonella. 029429
Anomalous **transmission** of water through certain peats—a discussion. 030231
Unusual anatomical disposition with supernumerary rib and *anomalous* **vertebra** in ox (Bos indicus). 023446

ABOMASUM
Research on the familial occurrence of leftside displacement of the *abomasum* in **cattle.** 024826
Significance of serum pepsinogen and *abomasal* pH **[hydrogenion** concentration] levels in a field infection of Ostertagia circumcincta in lambs. 024755
Left *abomasal* displacement, a retrospective study of 315 cases [Dairy cattle]. 024824

ABORTING
Abortive **rabies** in rabbits and white rats infected intracerebrally. 024418

ABORTION
Bovine *abortion* and low fertility caused by Campylobacter fetus subsp. fetus (Vibrio fetus var. Venerealis), a first case in Japan. 024486
Brucellosis, *abortion* **cause,** in sheep and goats in northern Greece. 024509
Enzootic *abortion* in swine—the nature of the disease [Chlamydia]. 024770
On etiology of *abortions* in **farm** animals. 024385

ABRASION
Verification of a laboratory instrument for determination of relations of **relative** *abrasive* resistance in conditions of soil treatment. 030172
Abrasion of **textile** surfaces [Cotton]. 022760
Experimental results of *abrasive* **wear** resistance [Equipment]. 029997

ABSCESS
Isolation of Actinobacillus lignieresi from an **epidural** *abscess* in a horse with progressive paralysis. 024585

ABSCISIC
The inhibition of flowering by *abscisic* **acid** in Sinapis alba L. 026865
Auxin-synthesis inhibition by *abscisic* **acid,** and its reversal by gibberellic acid [Avena]. 026872
Role of cotyledons in germination and dormancy breaking of apple embryonic axis, after treatment with *abscisic* **acid.** 027232
The origin of the methyl groups of *abscisic* **acid** [in avocado]. 027254
Cellulase activity, **endogenous** *abscisic* acid, and ethylene in four citrus cultivars during maturation. 027263
Endogenous *abscisic* acid levels in germinating and nongerminating lettuce seed. 027270

ABSCISSION
Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to prevent **flower-bud** *abscission* [Varieties, forcing]. 027588
Concentration dependencies of ethylene on shuck dehiscence and fruit and **leaf** *abscission* of Carya illinoensis [Wang.] K. Koch. 027188

ABSIDIA
Enhancement of susceptibility to experimental phycomycosis by agents producing reticuloendothelial stimulation [Mice, *Absidia* **ramosa].** 024474

ACACIA
Internal water balance of **brigalow** *(Acacia* harpophylla F. Muell.) under natural conditions. 027305
Some new chromosome numbers in the **genus** *Acacia* [Vyto taxonomy]. 025843
Shoot blights of ohia and koa [Metrosideros collina polymorpha, *Acacia* **koa]** caused by Calonectria theae. 028075

ACALYPHA
Study on pigments of *Acalypha* **leaves:** influence of water content in acetone solutions on anthocyanins and chlorophylls. 026705

ACANTHACEAE
Artificial interspecific hybridization in temperate and tropical species of **Ruellia** *(Acanthaceae).* 026098

ACANTHOSCELIDES
Megasennius, a new genus for *Acanthoscelides* **muricatus** (Sharp) (Coleoptera: Bruchidae), a seed predator of Cassia grandis L. (Caesalpiniaceae) in Central America. 025801

ACARICIDE
Ways of overcoming and preventing the development of resistance to *acaricides* in the **citrus** red hairy mite. 028892
Chlorobenzilate *[Acaricides,* **residues].** 029116
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus **sanguineus]** to *acaricides.* 029073

ACARIDAE
Materials on *Acaridae*, the **parasites** of mountain rams and wild hoofed animals of Badkhyz. 029020

ACARINA
Myo-epithelial junctions in skeletal and in intestinal tract muscle of the mite, Caloglyphus **anomalus** *(Acarina).* 029437
Amblyseius **bibens** *(Acarina:* Phytoseiidae), a predator of spider mites (Tetranychidae) in Madagascar [Biological control]. 028645
Observations on some soil Actinedida (= Prostigmata) from North America. I. A new species of **Caligonellidae** *(Acari,* Raphignathoidea): Coptocheles grandjeani n. sp. 029524
Interaction between Ornitocheyletia hallae Smiley 1970 *(Acarina,* **Cheyletiellidae)** and Micromonosora chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the skin of pigeon. 028989
Males of three species of **Cheyletus** *(Acarina:* Cheyletidae). 029655
Observations on some soil Actinedida (= Prostigmata) from North America. III. Description of two new species of **Cryptognathus** *(Acari,* Raphignathoidea, Cryptognathidae). 029526
Three **galumnids** *(Acari,* Cryptostigmata) from West Bengal, India [Galumna crenata, Galumna parascaber, Galumna flabellifera orientalis, new taxa]. 029541
New and interesting mites from the Geneva Museum. XV. Contribution to the Tarsonemidae fauna from South **India** *(Acari)* [New taxa]. 029677
Notes on the genus Pomerantzia Baker with a description of a new species from **Indiana** *(Acarina:* Pomerantziidae) [Pomerantzia kethleyi]. 029657
The effect of mean winter temperature around o degrees centigrade on the population size of the American dog tick, Dermacentor variabilis, Say. *(Acarina:* **Ixodidae).** 029195
Note on the occurrence of the mite Myocoptes musculinus (Koch, 1844) *(Acarina,* **Listrophoridae)** on white mice in the states of Sao Paulo and Rio de Janeiro, Brazil. 029000
Influence of temperature on population increase of Tetranychus **mcdanieli** *(Acarina:* Tetranychidae) [Apples]. 028818
Hunteracarus womersleyi gen. N., sp. N., a laelapid **mite** *(Acari)* associated with Cephalodesmius armiger Westwood (Coleoptera: Scarabaeidae). 029606
Predacious **mites** *(Acarina:* Phytoseiidae) on sprayed apple trees at Bathurst (N.s.w.). 028381
Laboratory and field studies on the life cycle of oribatid **mites** *(Acari:* Oribatei). 029473
Myobia kobayashii spec. Nov. *(Acarina,* **Myobiidae)** parasitic on Apodemus giliacus (Mammalia, Muridae) [Mice]. 028994
Influence of temperature on population increase of Metaseiulus **occidentalis** *(Acarina:* Phytoseiidae) [Integrated mite control, Tetranychus mcdanieli, apples]. 028819
Revision of the family Oppiidae Grandjean 1953 *(Acarina,* **Oribatei)** [New taxa]. 029528
Ameronothrus schubarti n. Sp. From the sea coast of California (Arachnida: *Acari:* **Oribatei).** 029689
Three new species of **Pygmephoroidea** *(Acarina:* Tarsonemida) from Fragaria in Florida. 029591
Nutrition and development of Pygmephorus mesembrinae and Pygmephorus **quadratus** *(Acarina,* Pygmephoridae). 029474
Observations on some soil Actinedida (= Prostigmata) from North America. II. Redescription of Neophyllobius farrieri De Leon 1958 *(Acari,* **Raphignathoidea,** Camerobiidae [New taxa]. 029525
Three new species of the family **Sphaerolichidae** *(Acari:* Endeostigmata) from South Africa [Sphaerolichus]. 029529
Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of males and immature **stages** *(Acarina:* Cheyletidae). 029659
Genus Ledermuelleriopsis Willmann from Lattakia, **Syria** *(Acari:* Prostigmata) with a description of two new species. 029523
Photoperiodic induction of diapause in the kangaroo tick Ornithodoros gurneyi **Warburton** *(Acarina:* Argasidae). 029022

ACARINE
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the honeybee disease regulation [Apis mellifera, *acarine* **disease,** foulbrood]. 029761

ACCIDENT
Safe chain saw operation requires knowledge of *accident* **causative** factors [Timber falling]. 025456
Insurance of *accidents* in **farm** work [Brazil]. 021437
Accident **prevention** devices for dropping outlets [Storage of hay and straw]. 030023

ACCOUNTING
On an **agricultural** *accounting* system by computer. 021246
Problems on the automation of the function of forest **cadre** *accounting* [Labor]. 025125
A **comparative** *account* of the fern-genera Syngramma J. Sm. and Taenitis Willd., with discussion of their relationships to each other and to other genera [New taxa]. 025726
Internal farm **cost** *accounting* in vegetable growing. 021283
Field crops costs and returns from farm **cost** *accounts.* 37 farms, 1974. 021351
Fruit and vegetable crops costs and returns from farm **cost** *accounts.* 37 farms, 1974. 021352
Livestock costs and returns from farm **cost** *accounts.* 37 farms, 1974. 021353
Overhead costs from farm **cost** *accounts.* 37 farms, 1974. 021354
Accounting for **decision-making.** 022097
Taking into *account* of **high-yielding** stands [Forest appraisal]. 025130
A **historical** *account* of wheat rust [Puccinia] epidemics in India, and their significance. 027935
Taking into *account* the **productive** fruit and berry plants and edible fungi [growing in the forests in their management]. 025129
Has your *accounting* **system** kept up with changing conditions in logging? [Forest industries]. 025139

ACEPROMAZINE
Influence of **etorphine** *acepromazine* and diprenorphine on respiratory function in ponies. 023326
Changes in the acid base status of sheep anaesthetised with a combination of atropine **sulphate** *acepromazine* and ketamine hydrochloride. 024296

ACER
Thinning in a maple *[Acer]-beech* **[Fagus]** stand in view of producing yellow birch [Betula alleghaniensis] wood. 025223
Leaf surface effects of environmental pollution on sugar **maple** *(Acer* saccharum) in Montreal. 030820
Miyabe maple *[Acer* **miyabei]:** a tree worth knowing more about[Culture]. 027693
Changes in mineral contents of cotyledons and young seedlings of woody angiosperms *[Acer* **rubrum,** Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310
Treatment of wounds on *Acer* **rubrum** with Trichoderma viride [caused by fungi and bacteria]. 027954
Debarking chips from whole trees [Populus, *Acer* **saccharum,** Pinus banksiana] in the Lake States. 025534
The dynamics of Hueston Woods and a review of the question of the successional status of the southern beech-maple forest [Fagus grandifolia, *Acer* **saccharum**]. 025889
Heating and weight-loss sequences in maple *[Acer* **saccharum]chip** piles and the effect of borax. 025509
Maple *[Acer]* **species** introduced into Turkmenistan. 025198

ACERACEAE
Aceraceae. 025697

ACETABULARIA
Specific binding of insulin to the unicellular **alga** *Acetabularia* mediterranea. 026821
Model for the positional differentiation of the cap in *Acetabularia* **[mediterranea,** Algae]. 026391
Germination of cysts in *Acetabularia* **mediterranea** [Algae]. 026819

ACETALDEHYDE
Determination of meta polymer of *acetaldehyde* in **pesticides.** 029078

ACETANILIDE
Hepatic aminopyrine N-demethylase, *acetanilide* **hydroxylase** and lipid peroxidation in young growing rats during the treatment of insecticides. 024944

ACETATES
The effect of zinc and phytic acid on the incorporation of 1-14C **[carbon** *isotope]-acetate* into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
The kinetics of incorporation in vivo of [14C][carbon isotope] *acetate* and **[14C]carbon** dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
An investigation of the surface areas of dyed and undyed secondary **cellulose** *acetate* by p-nitrophenol adsorption. 025414
A progestogen **(chlormadinone** *acetate* = CAP) for cycle control and infertility treatment in the mare. 023978
Fertility of estrus synchronized dairy heifers treated with CAP **[Chlormadinone** *acetate]* alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Normal fertility induced in cow by double short treatment with **chlormadinone** *acetate* (CAP). 023992
Lipid mobilization in rabbits. II. **Cortisone** *acetate.* 023633
Synthesis of **(7E,9Z)-7,9-dodecadien-1-yl** *acetate,* a sex pheromone of [the European grape vine moth] Lobesia botrana. 028894
Effects of intravaginal **flurogestone** *acetate* and PMS [pregnant mares serum] administration on the reproductive performance of ewes in a cool environment. 024196
Correlation between amounts of 2-heptanone and **iso-amyl** *acetate* in honeybees [Apis mellifera] and their aggressive behaviour. 029809
The use of **megasterol** *acetate* for treatment of feline endrocrine alopecia [Altered cats]. 024908
Synchronization and stimulation of estrus in sheep with **Megestrol** *acetate* and pregnant mare's serum. 024270
Resistance to sustained load of **polyvinyl** *acetate* dispersion-based adhesives. II. 025387
The use of **polyvinyl** *acetate* as a barrier to the pecan weevil larvae [Curculio caryae, control]. 028885
Potential application of **polyvinyl** *acetate* and polyvinyl alcohol in the structural improvement of sodic soils. 030369
Effect of **sodium** *acetate* on growth and aflatoxin production by Aspergillus parasiticus NRRL 2999. 021924
Steryl *acetates* in Rhododendron waxes. 027252
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) *acetate* in **tissue** cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463

ACETIC
The *indole-3-acetic* **acid** content in lucerne and its genetic control. 026179
Indole-3-acetic **acid:** Mass spectra and chromatographic properties of amino acid conjugates [Plant growth regulators]. 026619
Leaf variation due to 2, 4-D [(2,4-dichlorophenoxy) *acetic* **acid,** herbicides] influence in Trigonella foenum-graecum L. 028541
Tryptophan and *indole-3-acetic* **acid** metabolism by Rhizobiummeliloti [Root nodule bacteria]. 030270
A GLC [gas-liquid chromatography] procedure for determining sub-nanogram levels of **indol-3-yl** *acetic* acid. 026708
Effect of presoaking seed treatment with *indole-acetic-acid* on **wheat** under different salinity regimes coupled with SAR and boron levels. 027418

ACETOLYSIS
Examination of *acetolysis* **products** of phosphatidylcholine by gas chromatography-mass spectrometry. 022515

ACETONE
Study on pigments of Acalypha leaves: influence of water content in *acetone* **solutions** on anthocyanins and chlorophylls. 026705

ACETOXY
Synthesis of *trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene* **(Propylur),** sex attractant of the cotton moth [Pectinophora gossypiella, control]. 028795

ACETYL
The biosynthesis of aroma compounds by microorganisms. I. Formation of *N-acetyl-amines* by **Saccharomyces** cerevisiae [Yeasts]. 022554
Nonequilibration of *acetyl* **units** from fatty acids and glucose in mammary glands of lactating mice. 023511

ACETYLATION
Taste of *acetylated* **amino** acids. 022068

ACETYLCHOLINE
The study of the aqueous extract of Puerariae [kudzu] radix. II. The biological difference between the active extract **(MTF-101)** and *acetylcholine.* 026984

ACETYLENE
Studies with detached lupin root nodules in culture. I. Maintenance and induction of *acetylene* **reduction** activity [Rizobium]. 027031

ACETYLGLUCOSAMINE
The interaction of *N-acetylglucosamine* and an **affinity-label** analogue with alpha-lactalbumin [whey protein of milk] andlactose synthetase. 022563
Glycoprotein biosynthesis in plants: Demonstration of lipid-linked oligosaccharides of mannose and *N-acetylglucosamine* **[Cotton].** 026976

ACHENES
Effects of some inhibitors on respiration and germination of Bidens **radiata** *achenes.* 026698

ACHETA
Excreta analysis on additional cockroach [Parcoblatta pennsylvanica] species and the house cricket *[Acheta* **domesticus].** 029310

ACHLYA
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of *Achlya* and **Pythium** [Fungi]. 026378
Metabolism of radioactive antheridiol by *Achlya* **species** [Water molds]. 026379

ACHYRANTHES
A new species of *Achyranthes* **[ancistrophora]** (Amaranthaceae) from Thailand. 025728

ACIDOSIS
Coronary reactive hyperaemia and coronary dilator action of adenosine during normal respiration and **hypercapnic** *acidosis* in the dog. 023374
Feeding errors which cause **lactic** *acidosis* in ruminants. 023787
Skeletal buffering of acute **metabolic** *acidosis* [Dogs, cats]. 023226

ACORUS
Acorus **calamus**—a new source of C-diglycosides. 026467

ACREAGE
Turkey cuts **cotton** *acres,* production sharply. 021563
Estimating **crop** *acreages* in the prairie provinces. Application of recursive programming. 021171
Entered *acreage* of certified seed potatoes by varieties—1975, United States and Canada. 027708
Two dairy cattle per **forage** *acre* [Pasture management]. 027446
One thousand pounds of finished beef per *acre?* **[Pasture** management]. 027484

ACRIDIDAE
Feeding behavior of the **Australian** *acridid,* Valanga irregularis. 029332
Cytological studies in **Brazilian** *Acrididae:* Aleuas gracilis, a species with a highly developed sex determining mechanism of the Neo XY type. 029304
Imaginal differentiation of the spermiduct in *Acridids:* **effects** of juvenile hormone [Locusta migratoria, Schistocerca gregaria]. 029197
A sex-chromosome hybrid zone in the grasshopper Podisma pedestris **(Orthoptera:** *Acrididae).* 029362
The constitutive heterochromatin in Dichroplus **silveiraguidoi** *(Acrididae,* Orthoptera). 029309
Variation in food preferences of three grasshopper **species** *(Acrididae:* Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. 028704

ACRIDINE
The influence of *acridine* **dyes** and caffeine on recovery from ultraviolet damage in Eudorina elegans [Algae]. 026459

ACRIDOIDEA
A Synopsis of food selection in **Argentine** *Acridoidea.* 029196

ACROLEPIA
Study on the locomotion determinism of the first stage larvae of **Acrolepiopsis** *(Acrolepia)* assectella Zell. (Lepidoptera) inside the host plant [Leeks]. 028825

ACROSOMES
Degree of *acrosomal* **destruction** following deep freezing of bull sperm in liquid nitrogen. 024243

ACRYLATE
Preparation and purification of an enzyme system for ethylene synthesis from *acrylate* **[Kidney** beans]. 027231

ACTH
Effects of an angiotensin inhibitor on adrenocortical response to angiotensin II, *ACTH,* and K **[Adrenocorticotropic** hormone, potassium, dogs]. 023206
ACTH **[adrenocorticotropic** hormone] and the induction of parturition in sheep. 023543
The effect of *ACTH* **[corticotropin]** on glucocorticoids in stress-susceptible and stress-resistant pigs. 024894

ACTIN
Organization of an *actin* **filament-membrane** complex. Filament polarity and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. 023497

ACTINIDIA
Physical data for **kiwifruit** *(Actinidia* chinensis). 027216

ACTINOBACILLUS
Isolation of *Actinobacillus* **lignieresi** from an epidural abscess in a horse with progressive paralysis. 024585

ACTINOMYCETALES
Plant growth promoting substances produced by *Actinomycete* 5406 **[Fungi].** 026327
Pathogenic species of *actinomycetes*—**pathogens** of corky scab of potatoes. 028153
Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, Cheyletiellidae) and Micromonosora chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, *Actinomycetales)* in the **skin** of pigeon. 028989

ACTINOMYCIN
Characteristic features of *actinomycin* **D-induced** paw inflammation of the rat. 024311
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of *actinomycin* D and **ethidium** bromide. I. Light-microscope investigations [Algae]. 026057

ACTOMYOSIN
Preparation of *actomyosin* from the **adductor** muscle of akazara scallop [Seafood]. 022407
Mechanism of the transition of *actomyosin* to **beta-structure** upon hot air dehydration [Fishery products]. 022406
Studies on ATPase [adenosine triphosphatase] activity of *actomyosin* of **squid** mantle muscle [Fishery products]. 022408

ACUPUNCTURE
Acupuncture **analgesia** in veterinary surgery. First results. 024352

ACYL
Fat metabolism in higher plants. The determination of acylacyl carrier protein and *acyl* **coenzyme** A in a complex lipid mixture [Potatoes]. 027114
Catalysis by serine proteases and their zymogens. A study of *acyl* **intermediates** by circular dichroism [Aspergillus oryzae, fungi]. 026401
Subcellular localization of lipoxygenase and **lipolytic** *acyl* hydrolase enzymes in plants [Vegetables]. 027253

ACYRTHOSIPHON
Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and pea aphid *[Acyrthosiphon* **pisum].** 028663
A modified technique for rearing of the pea aphid *[Acyrthosiphon* **pisum]** on artificial diets. 029324
A comparison of the reproductive patterns of apterous and alate **virginoparous** *Acyrthosiphon* pisum (Homoptera: Aphididae) [Broadbean pests]. 028715

ADAPTATION
Behavior *adaptation* of dairy cattle in various free stall systems. 023587
Aspects of the agronomic technique of the commercial tomato: investigations on a new **cultivar** *adapted* to mechanical harvesting. 027844
Dietary *adaptability* of the desert cottontail [Grasses, forbs, shrubs]. 025911
Adapting an **experimental** bean cooker for automatic recording. 022925
Beef: to export is to *adapt* **itself.** 021621
Halophytes: *adaptive* **mechanisms** [Salinity]. 026587
My method of [Apis mellifera] queen rearing: *adaptation* of **Orosi's** method for manipulation in the open air by using the Phillips starter. 029714
Studies on the **processing** *adaptability* of pear canning [Varieties]. 022972
Studies on the **processing** *adaptability* for nectar of introduced peach varieties. 022973
Adaptive **radiation** in the subgenus Scaptodrosophila of Australian Drosophila. 029642
Studies on the weaning and grazing of calves. 1. The grazing grasses [Dactylis, Ladino clover] and **rumen** *adaptation.* 023876
On the *adaptation* of **skidder** tractors to carrying out of currant repairs. 025402
Flavonoid localization in epidermal papillae of flower petals: a **specialized** *adaptation* for ultraviolet absorption. 026831
Adaptability **study** on Chu-pien bamboo [Bambusa beecheyana Munro var. pubescens (Li) Lin] grown in Taiwan. 027307

ADDITIVES
Influence of climate and *additives* on **bentazon** [Amaranthus retroflexus, control]. 028618
Effect of *additives* on **bracken** [Pteridium aquilinum] control by asulam and glyphosate. 028552
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and **chemical** *additives* on inhibition; effective site of topical application on oviposited olives. 028837
Economics of producing nutrients from cellulose [Food or **feed** *additives].* 022430
Production of OTI-2,3 preparation on the basis of industrial hydrolizates of cotton hulls [Protein **feed** *additives].* 023033
Carcinogenicity of the **food** *additive* furylfuramide in foetal and young mice. 021954
Effect of ascorbic acid on amine-nitrite toxicity **[Food** *additives].* 022032
Food *additives* and fortification. 022340
Mechanisms of pellet formation of Aspergillus niger **[fungi]with** an *additive.* 026641
Repellent *additives* to reduce pesticide hazards to honeybees [Apis mellifera]: laboratory testing. 029824
A note on the laboratory evaluation of 2-bromo-2-nitropropane-1,3-diol as a potential **silage** *additive.* 023047
Influence of **technological** *additives* and of heating temperature on some chemical and physical changes in canned meat. I. Alteration of tin and iron content by corrosion of can. 021953
Two *additive,* independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Smut fungi]. 026113
Two *additive,* independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Fungi]. 026114

ADDUCTS
Preparation of actomyosin from the *adductor* **muscle** of akazara scallop [Seafood]. 022407

ADELINA
The effect of two pathogens *[Adelina,* **RNA** virus] on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784

ADENINE
Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD **[nicotinamide** *adenine* dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Photoactivation of NAD **[nicotinamide** *adenine* dinucleotide] kinase through phytochrome [from Avena coleoptiles]. 026790
Purification of NADH **[nicotinamide** *adenine* dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791
The activation of non-phosphorylating electron transport by *adenine* **nucleotides** in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. 027125
Regulatory properties of **reduced** *nicotinamide-adenine* dinucleotide phosphate on a glutamate dehydrogenase from Neurospora crassa [Fungi]. 026612

ADENOCARCINOMA
Canine **pancreatic** *adenocarcinoma* [Dogs]. 024925

ADENOMA
The morphology of spontaneous **pulmonary** *adenomatosis* in sheep. I. Histological findings on the tumour stroma. 024936

ADENOSINE
Regulation of activity of glutamine synthetase from pea seeds by keto acids and **AMP** *[adenosine-5'-monophosphate].* 027134
Fibrin membrane endowed with biological function. II. **Chloroplast** *adenosine* triphosphatase embedded in fibrin membrane. 026394
Effect of depolarizing agents on the *adenosine-3'5'-monophosphate* **content** of the bovine superior cervical ganglion. 023593
Characterisation of the adrenoceptor mediating changes in **cyclid** *adenosine* 3'-5' monophosphate in chick cerebral hemispheres. 023592
Adenosine **deaminase** in the pig: tissue-specific patterns and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. 023976
Adenosine and **diphyridamole** actions and interactions on isolated coronary artery strips of cattle. 023319
Activity of **mitochondrial** *adenosine* triphosphate enzyme in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. 028007
Cyclic AMP *[adenosine* **monophosphate]** in longissimus muscle from control and stress susceptible pigs. 022675
Effect of the physiological state and cyclic 3'5' *adenosine* **monophosphate** on the intracellular transit and excretion of milk proteins. Autoradiographic study in the. 023532
Cyclic AMP *[adenosine* **monophosphate]** phosphodiesterase activity in Fasciola hepatica (L.) homogenates. 024407
Cyclic AMP *[adenosine* **monophosphate]-induced** changes in protein synthesis in a cellular slime mold, Polysphondylium pallidum. 026689
Coronary reactive hyperaemia and coronary dilator action of *adenosine* during **normal** respiration and hypercapnic acidosis in the dog. 023374
Adenosines 5' **phosphates** (ATP, ADP, AMP) in phytoplanktonic algae. Role in the indirect measurement of the biomass. 026435
Studies on ATPase *[adenosine* **triphosphatase]** activity of actomyosin of squid mantle muscle [Fishery products]. 022408
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase *[adenosine* **triphosphatase]** in cattle red cells. 023411
Preliminary investigation on the effects of mirex and its derivatives on *adenosine* **triphosphatase** activities from fire ants [Solenopsis richteri]. 029021
Studies on luciferin-luciferase ATP *[adenosine* **triphosphate]** assay in plants (etiolated wheat germs, and bean leaves). 026878
Effect of 2,4-dinitrophenol and ATP *[adenosine* **triphosphate]** on uptake, translocation and distribution of 32P [phosphorus isotope] in cotton plants under different light conditions. 026945
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP *[adenosine* **triphosphate]** [adenosine triphosphate] determinations and application of inhibitors. 029507
Research pertaining to determination of ATP *[adenosine* **triphosphate]** in soils and subsurface formations. 030859
Purine metabolism pathway in Drosophila melanogaster cells grown in vitro: **utilization** of *adenosine.* 029273

ADENOVIRUSES
Hemagglutinating properties of CELO [chicken-embryo-lethal-orphan], an oncogenic **avian** *adenovirus.* 024437
The role of the infectious bursal agent and several **avian** *adenoviruses* in the hemorrhagic-aplastic-anemia syndrome and gangrenous dermatitis [Broilers]. 024451
Isolation of a virus from sheep and its classification as a serotype of **ovine** *adenoviruses.* 024798
Adenovirus **respiratory** infection in turkey poults. 024435

ADENYLATE
Inactivation of rabbit, pig, and **carp** *adenylate* kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298

The changes of *adenylate* **energy** charge in wheat leaves during anoxia, study of their reversibility. 027005

ADHESIVE

Adhesion and **adsorption** phenomena in soil conditioning. 030363
Mating in Chlamydomonas: a system for the study of specificcell adhesion. II. A radioactive flagella-binding assay forquantitation of *adhesion* **[Algae].** 026021
Intercellular adhesive selectivity. II. Properties of embryonic chick liver **cell-cell** *adhesion.* 023495
Resistance to sustained load of polyvinyl acetate **dispersion-based** *adhesives.* II. 025387
Intercellular *adhesive* selectivity. I. An improved assay for the measurement of embryonic chick intercellular adhesion (liver and other tissues). 023494
Intercellular *adhesive* selectivity. II. Properties of embryonic chick liver cell-cell adhesion. 023495
Pallidin. Purification and characterization of a carbohydrate-binding protein from POlysphondylium pallidum implicated in **intercellular** *adhesion* [Fungi]. 026410
Performance of a sticky trap with trimedlure impregnated in the *adhesive* **material** [Ceratitis capitata]. 028870
A **metatarsal** *adhesive* organ of drones of the genus Apis (Hymenoptera: Apidae). 029783
Mating in Chlamydomonas: a system for the study of **specificcell** *adhesion.* I. Ultrastructual and electrophoretic analyses of flagellar surface components involved in. 026020
Mating in Chlamydomonas: a system for the study of **specificcell** *adhesion.* II. A radioactive flagella-binding assay forquantitation of adhesion [Algae]. 026021
Utilization of the heat-treated bark as a filler of **wood** *adhesives.* 025431

ADIANTUM

Sulphate esters of caffeyl- and p-coumarylglucose in ferns *[Adiantum,* **Pteridium** aquilinum]. 026765

ADIPOSE

Cellular development and lipid metabolism of **lamb** *adipose* tissue. 023627
The effect of dietary fatty acids on fatty acid distribution of lipids in **neck** *adipose* pads and superficial pectoral muscle of chicks. 023783
The effect of atmospheric levels of pesticides on pesticide residues in **rabbit** *adipose* tissue and blood sera. 024945
Fatty acid composition of *adipose* **tissue** of Jersey cattle during growth and development. 023452

ADOLESCENCE

Top talent for *teen* **leaders** [4-H clubs]. 021096
Comparison of the nutritional status of **pregnant** *adolescents* with adult pregnant women. II. Anthropometric and dietary findings. 021997

ADONIS

Conditions of germination of chlamidospores of smut Urocystis leimbachii (Oertel) Liro and the ways of its infection of *Adonis* **vernalis.** 028009

ADOXOPHYES

Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of *Adoxophyes* **orana** (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836

ADRENAL

Adrenal **cortical** disease in dogs [Hyperadrenocorticism, hypoadrenocorticism]. 024919
Pituitary and *adrenal* **function** in foetal sheep during the latter half of gestation. 024107
Distribution of cholesteryl esters and other lipids in subcellular fractions of the *adrenal* **gland** of the pig. 023584
Androgens in testes and *adrenal* **glands** of the fetal pig. 024133
Milk ejection in the rat: reversible blockade of hypothalamo-neurophypophysial and *sympathetico-adrenal* **pathways** by radio- frequency currents. 023519
Aminoglutethimide and glutethimide: effects on 18-hydroxycorticosterone biosynthesis by human and **sheep** *adrenals* in vitro. 023176

ADRENALECTOMY

Effect of **foetal** *adrenalectomy* on maternal oestrogen levels at dexamethasone-induced parturition in sheep. 024105

ADRENALIN

Evidence for noradrenaline and *adrenaline* as **sympathetic** transmitters in the chicken. 023324

ADRENERGIC

Adrenergic **drug-receptor** interaction in the presence of strontium (Sr++) in mammalian myocardium [Rabbits]. 023254
Synthesis and *adrenergic* **neuron** blocking properties of some alkylating analogues of bretylium [Rabbits]. 023265

ADRENOCORTICAL

Electrocardiographic signs of *adrenocortical* **insufficiency** with hypercalcemia in the dog. 024929
Effects of an angiotensin inhibitor on *adrenocortical* **response** to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, potassium, dogs]. 023206

ADULTERATION

Incidence and state of *adulteration* of **commonly** consumed spicies in Bombay City. II. Mustard, black pepper and asafoetida. 021903
Cryoscopy of milk. I. Establishment of freezing point of milk received in dairy **plants** *[Adulteration].* 021833
Study of bergamot oil by thin-layer chromatography and **spectrofluorometry** *[Adulteration].* 021881

ADULTS

An exceptionally early and informative arrival of *adult* **Anax** junius in Ontario (Odonata: Aeshnidae). 029280
The immature stages of Paradasyhelea minuta Wirth and Lee with a note on *adult* **antennal** sensilla and a discussion on the relationships of the genus Paradasyhelea Macfie. 029611
Influence of temperature on *adult* **biology** and population growth of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. 028709
A strain producing abundant **brachypterous** *adults* in Nilaparvata lugens (Homoptera: Delphacidae) [Rice pests]. 028721
Effect of the new insecticide PDD 60-40 on nymphs and *adults* of the **cabbage** bug Eurydema oleraceum L. (Heteroptera, Pentatomidae). 028898
Effect of age upon fatty acid composition of *adult* **caribbean** fruit flies, Anastrepha suspensa. 029330
Studies of some twitch and fatigue properties of different motor unit types in the ankle muscles of the *adult* **cat.** 023188
Backward placing in intact kittens and *adult* **cats.** 023546
Metabolizable [dietary] energy determinations with *adult* **chickens.** 023822
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as **2-day-old** *adults.* 028867
Effects of insect developmental inhibitors on *adult* **emergence** of black flies [Simulium verecundum] (Diptera: Simuliidae. II. 029002
Effect of different dietary protein intake on urinary creatinine **excretion** in *adults.* 022107
The effects of Penicillium waksmani growth on American foulbrood infected combs and *adult* **honeybee** activity [Apis mellifera, Bacillus larvae]. 029842
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or *adults* of the **Indian** meal moth [Plodia. 028983
Production of threitol and sorbitol by an *adult* **insect** [Upis ceramboides]: association with freezing tolerance. 029460
Control of white-fringed weevil [Graphognathus leucoloma] *adults* with **insecticides** [pests of pastures and lucerne]. 028776
Relative toxicity of some important insecticides to the *adults* of **lacewing** bur Urentius echinus Distant (Heteroptera: Tingidae) [Eggplant pests]. 028846
Effect of two soil types on insecticide activity against black beetle [Heteronychus arator] *adults* **[Maize].** 028779
Effects of developmental photoperiod on *adult* **morphology** in Euschistus tristigmus tristigmus (Say) (Hemiptera: Pentatomidae). 029218
Linkage of a gene for DDT-resistance in *adults* of the **mosquito** Aedes aegypti. 029005
Laboratory non-thermal aerosol tests of insecticides for the control of *adult* **mosquitoes** [Aedes taeniorhynchus, Culex nigripalpus]. 029049
Ultralow volume ground aerosols of propoxur (Baygon MOS) for control of *adult* **mosquitoes** [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029056
Influence of individual body weight on the susceptibility of *adult* **Musca** domestica to DDT and malathion. 029007
Juvenile hormone titre in the haemolymph of *adults* of the **normal** and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Gamma irradiation of *adult* **Plodia** interpunctella: Effects on mating, sterility, and number of progeny [in stored peanuts in Georgia]. 028969
Comparison of the nutritional status of pregnant adolescents with *adult* **pregnant** women. II. Anthropometric and dietary findings. 021997
Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in *adult* **rat** brain. Evidence for at least two small glutamate compartments in brain. 023289
Comparative studies of cortisol complexes formed with cytosol proteins from embryonic chicken (Gallus domesticus) and *adult* **rat** (Rattus ratus) liver. 023447
Levels of histidine derivatives in breast muscle of proteindepleted and **repleted** *adult* cockerels [During malnutrition]. 023602
Effects of different systems of alfalfa preservation on the ingestion, digestibility and passage speed of feed residues in *adult* **sheep.** 023919
Histochemistry of the metanephors in the golden hamster. II. The *adult* **ureter.** 023421
Deposition of Puccinia striiformis [yellow rust] uredospores on *adult* **wheat** plants in laboratory experiments. 027936

AEDES

Multiplication if Venezuelan equine encephalitis (Mucambo) virus in cultured mosquito cells *[Aedes* **aegypti,** Aedes albopictus]. 024424
Diurnal rhythm, age, and other variables affecting yellowfever mosquito *[Aedes* **aegypti]** avidity and the laboratory assay of repellents. 029025
Changes in comb spine number during larval development in *Aedes* **aegypti** (L.). 029035
Structure and formation of egg membranes in *Aedes* **aegypti.** (L.) (Diptera: Culicidae). 029388
Comparison of phospholipid composition of *Aedes* **aegypti** andAedes albopictus cells obtained from logarithmic and stationary phases of growth. 029442
Multiplication if Venezuelan equine encephalitis (Mucambo) virus in cultured mosquito cells [Aedes aegypti, *Aedes* **albopictus].** 024424
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in *Aedes* **albopictus** cells. 029504
The mechanism controlling the crossing of the vector's stomach wall by microfilariae (**Dipetalonema** *desae-Aedes* aegypti). 029278
Field investigations on *Aedes* **fitchii** mosquito populations in a woodland pool ecosystems. 029043
Comments on reproductive isolation and phylogeny of mosquitoes of the **genus** *Aedes.* 029635
Linkage of a gene for DDT-resistance in adults of the **mosquito** *Aedes* aegypti. 029005
A computer simulation model for population studies of woodland **pool** *Aedes* mosquitoes. 029009
Evaluation of newly synthesized insect growth regulators against Anopheles quadrimaculatus, Anopheles albimanus, and *Aedes* **taeniorhynchus.** 029041
Laboratory and small plot field tests of Altosid and Dimilin for the control of *Aedes* **taeniorhynchus** and Culex nigripalpus larvae. 029047
Laboratory non-thermal aerosol tests of insecticides for the control of adult mosquitoes *[Aedes* **taeniorhynchus,** Culex nigripalpus]. 029049
Ultralow volume ground aerosols of propoxur (Baygon MOS) for control of adult mosquitoes *[Aedes* **taeniorhynchus,** Anopheles quadrimaculatus]. 029056
Comparison of two aerosol generator nozzle systems: estimates of droplet size and caged mosquito assays *[Aedes* **taeniorhynchus,** Anopheles quadrimaculatus]. 029968
The haemocytes of **themosquito** *Aedes* albopictus and their comparison with larval cells cultured in vitro. 029013
Laboratory dosage response of *Aedes* **triseriatus** (Say) to Altosid SR-10 and 10-F. 029048

AEGERIIDAE

Daily rhythm of Synanthedon pictipes (Lepidoptera: *Aegeriidae)* **female** calling behavior in Wisconsin: temperature effects. 029328

AEGILOPS

Inter- and intraspecific relationship between two native Greek **diploid** *Aegilops* species by esterase electrophoresis. 025609

AEOLIAN

Determination of fluorine in volcanic rocks from Filicudi and **Alicudi** *(Aeolian* Islands, southern Italy) and in geochemical reference materials. 030199

AERANGIS

Aerangis **calligerum**—story of an orchid orphan. 025589

AERATION

An economic study of the unox and **conventional** *aeration* systems [Sludge treatment]. 030974
An approach to the measurement of photosynthetic rate in single leaves by the *aeration* **method.** II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Soil temperature and **soil** *aeration* effects on concentrations and total amounts of nutrients in 'Yecora' wheat grain. 027047
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of *aeration* **velocity,** CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Hydrogeothermal methods of studying the percolation properties of soils of the **zone** of *aeration.* 030385

AERIAL

Aerial **application** of systemic and nonsystemic fungicides for control of mummy berry disease [Monilinia vaccinii-corymbosi] of highbush blueberry. 028066
Aerial **control** of red locusts [Nomadacris septemfasciata]. 028680
Nonroot liquid *[aerial]* **fertilization** of wheat and the development of brown rust. 028113
An application of the *aerial* **gamma** monitoring techniques for measuring snow cover water equivalents on the Great Plains. 030700
Accuracy in interpreting **large-scale** *aerial* photographs of forest stands. 025111
Effect of altered pO2 [oxygen 1 percentage] in the *aerial* **part** of soybean on symbiotic N2 [nitrogen] fixation. 027019
A new spirostanol, 19-hydroxyyonogenin, from the *aerial* **parts** of Dioscorea tokoro Makino. 026511
Grape pest monitoring improved with sex traps and *aerial* **photography** [Insects]. 028891
Evaluation of some insecticidal combination against sucking pests [aphids, mites] of cotton through *aerial* **spraying.** 028718

AEROBES
Aerobic **stabiliztion** of waste activated sludge: an experimental investigation [Sewage disposal]. 030870

AEROSOL
Multielement characterization of **atmospheric** *aerosols* by instrumental neutron activation analysis and X-ray fluorescence analysis [Air pollution]. 030883
Mass marking techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of topical **fluorescent** *aerosol* marker. 028896
Ultralow volume **ground** *aerosols* of propoxur (Baygon MOS) for control of adult mosquitoes [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029056
Laboratory **non-thermal** *aerosol* tests of insecticides for the control of adult mosquitoes [Aedes taeniorhynchus, Culex nigripalpus]. 029049
Hemodynamic effects of *aerosol* **propellants.** I. Cardiac depression in the dog. 024998
Hemodynamic effects of *aerosol* **propellants.** II. Pulmonary circulation in the dog. 024999
Control of odors and *aerosols* from **spent** grain dryers. 030914
Comparison of **two** *aerosol* generator nozzle systems: estimates of droplet size and caged mosquito assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029968
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to *aerosol* **vaccination** of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773

AESCHYNOMENE
Germination-regulating mechanisms in aquatic angiosperms. II. *Aeschynomene* **aspera**, L. 026426
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to **control** *Aeschynomene* virginica in rice]. 028495
Micro-ecosystem monitors [Colletotrichum gloeo for biological control of *Aeschynomene* in **rice**]. 028487

AESCULUS
Biological active principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs contained saponin [isolated from *Aesculus* **turbinata**]. 026654

AESHNA
Effects of cautery of the pars intercerebralis on the moulting process in *Aeshna* **cyanea** larvae. 029264

AESHNIDAE
An exceptionally early and informative arrival of adult Anax junius in Ontario (**Odonata:** *Aeshnidae).* 029280

AFFORESTATION
Necessary conditions for assuring success of *afforestation* in **Danube** delta at St. Gheorghe. 025230
The importance of *afforestations* and **greens** in the protection of the natural environment. 025020
Recultivation of ash deposits [Land **reclamation,** *afforestation].* 030594

AFLATOXINS
A suspected outbreak of *aflatoxicosis* [**Aspergillus** flavus] among goats in Sri Lanka [Contaminated feed]. 024948
Factors influencing the biosynthesis of *aflatoxins* [**Aspergillus** parasiticus, Fungi]. 026601
Concentrations of serum proteins during *aflatoxicosis* [**Chickens**]. 024996
Mass-spectroscopy of *aflatoxins* [**Contaminants** of food]. 021981
Aflatoxin can be **degraded** by the mycelium of Aspergillus parasiticus [Fungi, food chemistry]. 026859
Interaction of *aflatoxin* with **Eimeria** tenella infection andmonensin in young broiler chickens. 024442
Stability of *aflatoxin* M in **milk.** 021918
Rapid screening method for *aflatoxin* in a **number** of [food and feed] products [Contamination]. 021908
Effect of sodium acetate on growth and *aflatoxin* **production** by Aspergillus parasiticus NRRL 2999. 021924
Synthesis of versicolorin A by a mutant strain of [the mold] Aspergillus parasiticus [Fungi] deficient in *aflatoxin* **production** [Heritability]. 026187
Aflatoxin **production** [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into *aflatoxin* by **resting** mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of *aflatoxin* **synthesis** by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available [Milk contamination]. 021948
Aflatoxicosis and **vitamin** D3 deficiency in ducklings. 024897

AGAPANTHUS
9(11)-dehydroagapanthagenin, a new spirostan sapogenin from *Agapanthus* **africanus.** 026779

AGAR
Lipolysis by lactic acid bacteria recognized through color changes of dye-stained butterfats on **double-layered** *agar* plates. 022612
Detection on nuclear polyhedrosis virus infection in Heliothis spp. by *agar* **gell** double diffusion. 029423
Changes in the natural growth of Gelidiella acerosa (Forskal) Feldmann et Hamel in an exploited population [Algae, *agar* **industry**]. 025877
A multiple inoculation technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on *agar* **substrates** [Feeds]. 023046

AGARICALES
A comparison of Torrendia (Gasteromycetes) with **Amanita** *(Agaricales)* [Fungi]. 025762
A reevaluation of Panellus and **Dictyopanus** *(Agaricales)* [Fungi, new taxa]. 025765
New and interesting species of *Agaricales* [**Fungi**] of Mexico. 025772
The collection of fungi in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. VI. *Agaricales,* **Gasteromycetales.** 025559

AGARICUS
Ultrastructure of Agaricus sylvicola and *Agaricus* **bisporus** [musroom] cell membrane evolution during fruit body development. 025973
Ultrastructure of membrane-complex systems in [the cultivated mushroom] *Agaricus* **bisporus.** 026014
Production of ethylene and other volatiles and changes in cellulase and laccase activities during the life cycle of the cultivated mushroom, *Agaricus* **bisporus.** 027194
Ultrastructure of the **dormant** *Agaricus* bisporus spore [Mushrooms]. 025994
N-nitroamines of *Agaricus* **silvaticus** [Mushrooms]. 026752
Ultrastructure of *Agaricus* **sylvicola** and Agaricus bisporus [musroom] cell membrane evolution during fruit body development. 025973

AGAROSE
Refolding of reduced, denatured [bovine] trypsinogen and trypsin immobilized on *agarose* **beads.** 023486
Use of immunoglobulin coupled to *agarose* **beads** for examining the specificity of conjugates [Rabbits]. 024595
Adsorption of casein on *arginine-agarose* **column** with Langmuir-type isotherm. 022593

AGATHIS
Kauri *[Agathis* **obtusa**] forests in the New Hebrides. 025155

AGDISTIS
Two Pterophoridae from Saint Helena Island [Crombrugghia wahlbergi, *Agdistis* **sanctaehelenae**]. 029627

AGELENA
Social communications among the spiders, *Agelena* **consociataD.** (Araneida, Labidognatha). 029275
The role of the principal and accessory eyes in the photomenotactic orientation of the funnel **spider** *Agelena* labyrinthica (Cl.). 029513

AGGLUTINATION
Factors affecting the molecular structure and the *agglutinating* **ability** of concanavalin A and other lectins [Kidney beans, wheat, soybeans]. 026954
Immunoglobulin class specificity of *non-agglutinating* **antibody** produced in cattle following Brucella abortus 45/20 vaccination. 024431
On the antigenic structure of vibrions studies by means of the *agglutination* **reaction** and fluorescent antibodies [isolated from swine]. 024413
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. II. Flagellar membranes and the *agglutination* **reaction.** 026199

AGGLUTININS
Luminescence studies of saccharide binding to wheat **germ** *agglutinin* (lectin). 026955
Influence of concanavalin A, wheat **germ** *agglutinin,* and soybean agglutinin on the fusion of myoblasts in vitro. 026977

AGGRESSION
Some notes on the *aggressive* **behavior** of the ant Messor barbara L. 029382
Correlation between amounts of 2-heptanone and iso-amyl acetate in honeybees [Apis mellifera] and their *aggressive* **behaviour.** 029809
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 3. Relationship between queen attractiveness to workers and **worker** *aggressiveness* towards a queen. 029804

AGING
Food intake, its relationship to body weight and *age,* and its **apparent** nutritional adequacy in New Guinean children. 022001
On the immunological reactivity of calf **body** at different *ages.* 024771
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, *age* and **carcase** weight. 024034
Chromosomal variation, **cellular** *ageing* and resistance to antifolate analogues in a Chinese hamster line. 023272
Losses of wine during storage and *aging* under different **climatic** conditions. 022993
Determination of oxygen during *aging* of **cognac** spirits in tanks. 022989
Economic maturity and *ages* of **cutting** areas. 025114
Influence of birth date and **dam's** *age* on early growth in beef cattle. 023619
The use of dentition to **determine** *age* in British cattle. 023099
The sterilizing effect of tris (1—aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the species musca **domestica** L., depending on *age.* 028998
Effect of *age* upon **fatty** acid composition of adult caribbean fruit flies, Anastrepha suspensa. 029330
Partial milk yield and *age* at **first** calving as the measures to predict lactation yield in Jersey cattle. 024081
Age at **flock** maturity—how important is it? [Chickens]. 024161
The **golden** *age* of Gambrinus. A brief history of early brewing in Syracuse. 022401
Predominant psychrotrophic bacteria on fresh and *aged* **ground** beef and antelope. 021960
The relationship of rostral tooth development to *age* in a **group** of Aberdeen Angus cross Friesian steers. 023344
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the *age* and **height** of the tree of clone I-214 [Populus euramericana]. 025244
Peak shear-force values obtained for veal muscle samples cooked at 50 and 60 Celsius: **influence** of *aging.* 022683
The effect of the *age* of the **leaf** on the accumulation of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. 026837
Studies in leaf litter breakdown. III. The influence of **leaf** *age* [Quercus robur, Fagus]. 030276
Uneven-aged **management** of northern hardwoods in New England. 025173
Agricultural-social settlement foundations of the **Middle** *Ages* and after in a southeast Alps valley (Fiemme). 021152
Starting points of political formation of plans of farming in the late **Middle** *Ages* in Swabia, Franconia and Bavaria. 021157
The early **Middle** *Age* domestic fauna in Schiers (Graubunden) [Includes livestock]. 023671
Urea utilization by calves during their growth up to six **months** of *age.* 023784
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 2. Growth during 18 months of *age* and 36 **months,** and productivity during first lactation for two groups calving at the same months of age. 023878
Differential diagnosis of diarrhea in horses over six **months** of *age.* 024868
Kinetics of *"aging"* of **photosynthetic** apparatus of isolated chloroplasts [Peas]. 027167
Effect of *age* of **plant** on the quality of essential oil of peppermint (Mentha piperita Linn). 026607
Effect of inoculum level and **plant** *age* on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. 028418
The effect of various methods of trimming on the yield of tea-bush plantations of different *age* on **podzolic** soils. 027864
The intensity of photosynthesis in citrus leaves of various *age* in **relation** to their frost resistance. 027294
Effect of strain and *age* on the **relationship** of oviposition time to shell strength [Chickens]. 023339
Change in content of glutathione in the blood relative to *age* and its **relationship** to certain production qualities in swine. 023668
Activity of deaminases of the contents of calf intestine **relative** to *age.* 023672
Influence of trap **screen** *age* on collections of tabanids in Malaise traps [Tabanidae]. 029045
Influence of *age* on the **serological** response of chickens to Salmonella typhimurium infection. 024440
Distribution of blood glucose and cholesterol levels in White Leghorn birds in relation to *age,* **sex** and reproduction. 023441
Investigations on improving the fertility of *aged* **sows.** I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025
Investigations on improving the fertility of *aged* **sows.** 2. Histological structure on the endometrium at different stages of the cycle. 024026
Investigations on improving the fertility of *aged* **sows.** 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of sows during normallactation and very early weaning. 024027
Seed production of Kentucky bluegrass [Poa pratensis] associated with *age* of **stand.** 027359
An experiment concerning the inventory efficiency of *even-aged* **stands** by means of clustersamples with 4, 6, 8 and 10 trees. 025160
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 2. Effect of *age* and **storage** conditions of virgin queens on their attractiveness to workers. 029803
The properties of cinnamic acid 4-hydroxylase of *aged* **swede** [rutabaga] root disks. 027256
Improvement of technology of **tank** *aging* of cognac spirits. 022992
1980 projections of populations by *age* and **town** for Connecticut. 021084

Diurnal rhythm, *age,* and other **variables** affecting yellowfever mosquito [Aedes aegypti] avidity and the laboratory assay of repellents. 029025
Feedlot performance and carcass evaluation of various two-breed cross steers fed at **weaning** *age* and as yearlings. 023906
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and malate dehydrogenase during *ageing* of **wheat** leaves. 027003
Study of the quality of beef. I. Biochemical study of the *aging* of **young** bull meat. 022643
Growth of the understorey and beech [Fagus] stands of a **young** *age.* 025119

AGRARIANISM
Main features of the social and economic changes and the social regroupement of the *agrarian* **population** in some Transdanubian cooperative villages. 021117
Agrarian **problems** at the time of the Russian revolution of 1905-1907. 021068
Agrarian **reform** in China: objectives, approach and achievements. 021200
Change of Hungarian settlement and *agrarian* **structure** (13thto 14th centuries). 021154
Some problems of the *agrarian* **system** in crown lands of Castile in the 18th century. 021071

AGRIBUSINESS
Employment in agricultural and *agribusiness* **occupations.** 021266

AGRIOTES
Occurrence and development of *Agriotes* **lineatus** (Coleoptera, Elateridae) in the European USSR [Agricultural soil pests]. 029475

AGROBACTERIUM
Crown-gall *[Agrobacterium* **tumefaciens]** on castor bean leaves. V. Effect of light and chlorophyll content on tumour initiation. 028130
Promotion of DNA renaturation by a non-DNA factor in [tobacco] crown gall tumor DNA preparations *[Agrobacterium* **tumefaciens].** 028134
Unidirectional growth and branch formation in a thermoconditional mutant of *Agrobacterium* **tumefaciens.** 028139
Bacterial canker *[Agrobacterium* **tumefaciens]** in vineyards. 028154
An enrichment technique for auxotrophs of *Agrobacterium* **tumefaciens** [Soil bacterium] using a combination of carbenicillin and lysozyme. 030230
On the question of integration of *Agrobacterium* **tumefaciensdeoxyribonucleic** acid by tomato plants. 028140

AGROBIOLOGY
Determination of carabid (Coleoptera, Carabidae) role in *agrobiological* **communities** by serological method. 029517

AGROCHEMISTRY
Material for *agrochemical* **characteristics** of alluvial soils of the Colchis lowland. 030374
The influence of *agrochemical* **compounds** and water supply on the breakdown of [wheat] straw in soil. 030390
On the construction and utilization of *agrochemical* **enterprises** [in USSR]. 021768
Development of the activity of *agrochemical* **enterprises** in Czechoslovakia. 030501
Effect of liming peat-bog soils on change in their *agrochemical* **indices** and crop yields. 030557
The effect of forms of nitrogenous fertilizers on *agrochemical* **properties** of brown forest soils and the yield of tea leaves. 030535
Organization of *agrochemical* **service** [in USSR] in the area of massive chemicalization [Fertilizers, application]. 021297
Modernization of the *agrochemical* **servicing** of farm enterprises [in Hungary]. 021296
Agrochemical **servicing** of collective farms and state farms of Belorussia [Fertilizers]. 030499

AGROECOLOGICAL *see* **ECOLOGY**

AGRONOMY
Population parameters of some *agronomic* **characters** of [sugarcane] clones in the germplasm collection of La granja Experiment Station, Philippine Sugar Institute. 026295
Yield response to soil warming: *agronomic* **crops** [Soil temperature for optimum growth, utilization of energy production waste waters]. 026895
Observations on a ten year crop rotation test of the Changins Research **Institute** *[Agronomy].* 027453
Aspects of the *agronomic* **technique** of the commercial tomato: investigations on a new cultivar adapted to mechanical harvesting. 027844
Role of *agronomic* **techniques** in reducing the numerical strength of the wheat flower mite [Steneotarsonemus panshini]. 028806

AGROPYRON
The epidemiology of leaf spot disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis *[Agropyron* **dasystachyum,** Agropyron smithii]. 027923
Meiotic pairing between single chromosomes of diploid Agropyron elongatum and **decaploid** *Agropyron* elongatum in Triticum aestivum [Wheat]. 026124
Evaluation of irrigated pasture species [Festuca arundinacea, *Agropyron* **elongatum,** Dactylis glomerata, cattle]. 023861
Seedling competition of some grasses *[Agropyron,* **Elymus]** in mono- and mixed culture under greenhouse conditions. 027384
Agropyron **junceum** and Ammophila arenaria: two pioneer plants in silt and sand. 026681
Tetrapion: evaluation for the control of rhizomatous grasses [Pennisetum clandestinum, *Agropyron* **repens,** Cynodon dactylon, Agrostis tenuis] and toetoe [Cortaderia fulvida]. 028571
New Bluestems *[Agropyron* **smithi]** from the Old World [Range management]. 027497
The epidemiology of leaf spot disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, *Agropyron* **smithii].** 027923
Effects of cattle dung and dung beetle [Onthophagus nuchicornis] activity on growth of beardless wheatgrass *[Agropyron* **spicatum** inerme] in British Columbia. 030434

AGROSTEMMA
Studies on the properties and mode of action of a protease-inhibitor produced during development of *Agrostemma* **githago** embryos. 026412

AGROSTIS
Tetrapion: evaluation for the control of rhizomatous grasses [Pennisetum clandestinum, Agropyron repens, Cynodon dactylon, *Agrostis* **tenuis]** and toetoe [Cortaderia fulvida]. 028571

AGROTECHNOLOGY
Peculiarities of the biology and *agrotechnics* of **cauliflower** [Culture]. 027782
The efficiency of *agrotechnical* and **chemical** control of weeds [in cotton stands]. 028527
Agrotechniques in **controlling** loose smut of maize [Sorosporium reilianum]. 028102
Study of the energetistic and *agrotechnical* **indices** of high-speed [plow] bases [Construction, operation]. 030138
Some principles of *agrotechnics* in the **irrigation** of silage maize. 030742
Comparison of work done in the air and on the ground [Farm **management,** *agrotechnology].* 021267
Studies on the use of herbicides in sugarbeet growing as combined with several *agrotechnical* **measures** for better crop emergence. 028493
Agrotechnical **measures** for control of Eurygaster integriceps [Cereal pests]. 028802
There are still reserves [Peas as a forage **plant,** *agrotechnology].* 027578

AGROTIS
Rearing turnip moth *[Agrotis* **segetum]** on a synthetic medium. 028913

AIDES
Person to person; unique training program helps **lunchroom** *aides* deal with individual problems. 022262

AILANTHUS
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different spectral forms of chlorophyll a *[Ailanthus* **altissima].** 026620
The crystal and molecular structure of ethyl chlorophyllide b dihydrate at -153 degrees *[Ailanthus* **altissima].** 026621

AIR
Microbial contamination of *air* by **activated** sludge units. 030987
Study of the mechanism of low-temperature oxidation of wood **charcoal** in *air.* 025333
Interrelations between sulphur dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] **concentrations** in *air.* 026700
Changes of germinability of weed seeds during storage in *air-dry* **condition.** II. 028523
Patterns in the numbers of *air-borne* **conidia** of apple powdery mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
Carrot storage in rooms with artificially **cooled** *air.* 022955
Behaviour of 7-methyljuglone and two related naphthoquinones on silica gel exposed to *air* **[Ebenaceae].** 026637
Thermal and catalytic purification of **effluent** *air* [Food processing industry]. 030896
A set of refrigerated greenhouses for crop **environment** *research-air* flow problems. 029868
Experience on the transit of grain in a continuous dryer with **flooded** *air* channels. 022745
Air **flow** resistance and density of alfalfa leaves [Preservation]. 022842
Comparison of work done in the *air* and on the **ground** [Farm management, agrotechnology]. 021267
Effect of [harvest moisture content and] **heated** *air* drying on soybean oil quality. 022845
The design of *ducted-air* **heating** systems [Greenhouses]. 029888
High *air* temperature and poultry performance. 023138
Mechanism of the transition of actomyosin to beta-structure upon **hot** *air* dehydration [Fishery products]. 022406
On the behaviour of wood particles in **hot** *air-steam* mixtures—a contribution of the improvement of particle drying in particle board plants. I. 025376
Cultural and technological assuring of raw materials for **hot** *air* dryers in higher districts [Field crops]. 027537
Increased effectiveness of **hot** *air* driers by improved automation equipment [East Germany]. 030007
Tussilago farfara L.—a plant relatively resistant to **industrial** *air* pollution. 026338
Display of two reaction patterns after exposure of barley seeds to gamma radiation of 60Co [cobalt **isotope]** in *air.* 026916
Air **layering** [Woody or semi-woody shrubs]. 027681
Low-temperature *forced-air* drying of Appalachian hardwoods. 025536
Citrus care by *air* in St. **Lucie** County—1974 [Insect pest control]. 028829
Effect of ventilation on **maximum** *air* temperatures in twelve identical glasshouses. 029876
Determination of a method for **measuring** *air* renewal in buildings. 029912
Electrical potentials during water entry into an *air-dry* **mixture** of sand and kaolinite [Soil-particle surfaces]. 030338
Temperature distributions [in *air-dry* and **moist** soil] under stones submitted to a diurnal heat wave. 030346
Confirming the local sources of **observed** *air* pollution in communities. 030804
The K 30 T Heylo **oil** *air* filter [for drying cereals]. 030045
My method of [Apis mellifera] queen rearing: adaptation of Orosi's method for manipulation in the **open** *air* by using the Phillips starter. 029714
Controlling sulfides in sanitary sewers using *air* and **oxygen.** 030872
Air **pollutants** from, and effects on, agriculture. 030911
Physiological and morphological properties of the Japanese black and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to *air* **pollution.** 025014
Industrial dust and the viability of pines in suburban forests of Leningrad *[Air* **pollution,** forest damage]. 025035
Air **pollution** regulations and their effect on forest management [Prescribed burning]. 025195
Particulate source strength determination for low-intensity prescribed fires *[Air* **pollution,** forests]. 025196
A lichen (Parmelia conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, *air* **pollution,** indicator plants]. 025880
Effect of *air* **pollution** by copper, sulphuric acid and fertilizer factories on plants at Harjavalta, West. Finland. 028330
Air **pollution** and vegetation [Inquiries]. 028384
Use of ventilation to remove odors from liquid manure [Equipment, *air* **pollution** control]. 030016
Tracing mercury in a biosphere *[Air* **pollution].** 030799
Particulates in domestic premises. II. Ambient levels and indoor-outdoor relationships *[Air* **pollution].** 030803
Multielement characterization of atmospheric aerosols by instrumental neutron activation analysis and X-ray fluorescence analysis *[Air* **pollution].** 030883
Air **pollution** control at cottonseed oil mills. 030912
Control of particulate emissions *[Air* **pollution]** from alfalfa dryers. 030915
Disposal of agricultural waste by controlled burning—a regulatory viewpoint *[Air* **pollution].** 030917
Fluoride emissions from phosphate processing plants *[Air* **pollution].** 030919
Interrelationships between agriculture as *air* **pollution.** 030920
Sulfur dioxide and material damage *[Air* **pollution].** 030925
Air **pollution** by suspended particulate matter in Dunedin and Milton. 030939
The energy balance of an *air-inflated* **polyethylene** greenhouse. 029889
Microflora of the *air* of **poultry** quarters and their effect on the health and productivity of poultry. 024342
Characteristic of the **rotary** *air* pump SVL-40. 029991
Effect of underpressure on performance and transportation efficiency of a **rotary** *air* pump [Equipment]. 029994
Air **sample** studies for measurement of pesticide contamination from storage areas. 029084
Effect of cation saturation and *air-drying* of **samples** on the diffractogram obtained from parallel-oriented specimen [Clay minerals]. 030307
Heating soils, soil mixes, and soil substitutes with **saturated** *air* [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
The influence of the *air-current* **sense** organs on the flight behaviour of Locusta migratoria. 029399
Tight crushing and *air* **sifting** of wheat flour. 022804
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and *air* **stirring** on the photosynthetic rate of mulberry [Morus] leaf. 026433
Air **temperature** modification in Lumite field cages [used inentomological research] in alfalfa hay. 029400
Treating **waste** *air* from swine barns. 030936
The kinetics of drying hydrochloric acid hydrolizate mass with *air* **[Wood** hydrolisis]. 025346

AIRBORNE
Health significance of *airborne* **microorganisms** from wastewater treatment processes. I. Summary of investigations. 030930
Health significance of *airborne* **microorganisms** from wastewater treatment processes. II. Health significance and alternatives for action. 030931

"Porapak Q" adsorption of *airborne* **organic** compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272
The epidemiology of leaf spot disease in a native prairie. II. *Airborne* **spore** populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923

AIRCRAFT
Aircraft in the **control** of forest fires. 025033
Lack of foliar protection from early blight [Alternaria solani] by *aircraft-applied* **fungicides** on sprinkler-irrigated potatoes. 028070
Calculation of prime costs of labor in service of *aircraft* for **plant** protection. 021454
Application of fertilizers in pine **stands** with the use of *aircraft*. 030494
Effect of a large area nitrogen fertilization by *airplane* on **volume** increment of pine [Pinus] stands in the Bodenwohr Forestry District in Bavaria. 030459
Use of *aircraft* for **weed** control in sugarbeets. 028632

ALACHLOR
Residual activity of atrazine, *alachlor* and **linuron** under different soil and climatic conditions. 029158
Adsorption, degradation and leaching of *alachlor* in some **soils**. 030233

ALANGIUM
Studies on Indian medicinal plants. XXXVI. New D:Ecis neohopane derivatives from *Alangium* **lamarckii**. 026850

ALAR
The effect of GA3 [gibberellic acid], *Alar* and CCC [**2chloroethyl** trimethylammonium chloride] on citrus cuttings. 027084

ALARIA
Occurrence of *Alaria* **alata** (Diplostomidae: Digenea) from the red fox in Hokkaido, Japan. 024624

ALATA *see* MOLLUSKS

ALATAE
A comparison of the reproductive patterns of apterous and *alate* **virginoparous** Acyrthosiphon pisum (Homoptera: Aphididae) [Broadbean pests]. 028715

ALBIFLORA *see* FLORA

ALBIMANUS *see* MOLLUSKS

ALBINO
Strobilocercus fasciolaris infection in the liver of *albino* **mice** (Swiss mice) used as experimental animal. 024599
Livability of *albino* and **normal** bull spermatozoa at 5 degrees Centigrade in citrate, milk and tris yolk extenders. 024252
Association of **pink** *albino* seedlings with a radiation-induced translocation of cucumber. 026118
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of *albino* **rats** fed different pulse proteins. 022108

ALBUGO
Albugo-like **oogonia** from the American carboniferous [Paleobotany]. 025816
Prevalence of **oosporesof** *Albugo* cruciferarum in Brassica [bird rape] seed samples from western Canada, 1967-73. 027932

ALBUMINS
Distribution volumes of [131I] [iodine isotope] *albumin*, [14C] [**carbon** isotope] sucrose, and 36Cl [chlorine isotope] in sheep lung. 023460
Demonstration of immunoreactive retinol-binding protein and *prealbumin* in **developing** chicken embryo. 023582
Serum coloidal osmotic pressure in the development of kwashorkor and in recovery: its relationship to *albumin* **globulin** concentrations and oedema [Malnutrition]. 022058
Studies on the effect of the alteration in the internal environment of poultry egg on embryonic growth. V. Effect of *albumin* **removal** on embryonic growth in chickens. 023661
Effect of sucrose on recovery of **serum** *albumin* concentrations of proteins deficient rats to normal. 022180
Effects by heme, insulin, and **serum** *albumin* on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA [human **serum** *albumin]* in rabbits and chickens. 024523
Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]choleragen and [14C]bovine **serum** *albumin* in the rat jejunum. 024571
Important role of tryptophan on *albumin* **synthesis** in patients suffering from anorexia nervosa and hypoalbuminemia. 022002
Stimulation of *albumin* **synthesis** by amino acids following partial hepatectomy in the rat. 022009

ALCOHOL
Employ of industrial by-products containing carbohydrates for acid, *alcohol,* **aldehyde** and ketone production [Fermentation]. 022478
Carbohydrates and *alcohols* of **Andrachne** rotundifolia. 026468
Chemical composition of Angelica [archangelica] root oil [Flavors for *alcoholic* **beverages**]. 022368
A rapid screening method for the determination of di-(n-octyl) tin stabilizers in *alcoholic* **beverages,** using a heated graphite atomizer. 022490
Modified flotation method of **determining** *alcohol* in water solutions containing admixtures [Wood hydrolysis]. 025316
Mass-spectrometric investigation of the abienols—**diterpene** *alcohols* [Abies]. 027314
Nutritional **factors** in *alcoholism*. 022094
Microbody of methanol-grown yeasts [Saccharomyces cerevisiae]. Localization of catalase and **flavin-dependent** *alcohol* oxidase in the isolated microbody. 026554
Mastering the production of rectified top **grade** *alcohol* [from wood]. 025311
Study of the supermolecular structure of wood and cotton cellulose by the method of alcoholysis in **higher** *alcohols*. 025334
The formation of **higher** *alcohols* by amino acid auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. 026868
Efficiency of agricultural-industrial enterprises based on **industrial** *alcohol* production. 021335
Biosynthesis of **leaf** *alcohol:* kinetic study of lipoxygenase activation process caused by hydroperoxylinoleic acid [Soybeans]. 026883
Activation of [horse] **liver** *alcohol* dehydrogenases by imidoesters generated in solution. 023295
Application of differential thermal anaysis to peat waxes. 1. **Long-chain** *alcohols,* acids, triglycerides, and esters of stearic acid. 030265
Studies on the effects of *alcohols* on **membrane** water permeability of Nitella [Algae]. 026822
The stereospecificity of *alcohol* **oxidases** from Tanacetum vulgare [leaves] and [the yeast] Canadia boidnii. 026397
Rice and **pea** *alcohol* dehydrogenase. 026529
Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of **poly(vinyl** *alcohol-co-vinyl-sulfonic* acid). 025461
Potential application of polyvinyl acetate and **polyvinyl** *alcohol* in the structural improvement of sodic soils. 030369
Stereochemistry of sugar and **sugar** *alcohols* in regard to its biochemical and physiological-chemical importance [Nutrition]. 022174
24-methylenedammarenol: a new **triterpene** *alcohol* from shea [Butyrospermum parkii] butter. 022517
Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of **yeast** *alcohol* dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213
The intrinsic zinc atoms of **yeast** *alcohol* dehydrogenase. 026396

ALCOHOLYSIS
Study of the supermolecular structure of wood and cotton cellulose by the method of *alcoholysis* in **higher** alcohols. 025334

ALDEHYDES
Employ of industrial by-products containing carbohydrates for acid, alcohol, *aldehyde* and **ketone** production [Fermentation]. 022478
Intracellular localization and some properties of **two** *aldehyde* oxidase isoenzymes (EC 1.2.3.1) in potato tubers (Solanum tuberosum). 027128
Radio gas chromatographic analysis of **volatile** *aldehydes* originating from soybean and oat lipoxygenase linoleic acid oxidation. 022850

ALDERS
Storage of **red** *alder* [Alnus rubra] chips with and without bark—treated and untreated. 025533

ALDOLASES
Formation and cleavage of 2-keto-3-deoxygluconate by **2-keto3-deoxygluconate** *aldolase* of Aspergillus niger [Fungi]. 026624

ALDRIN
Recent developments in the use of *aldrin,* **dieldrin** and 2,4,5-T [trichlorophenoxyacetic acid] in the USA [Legislation]. 021788
Aldrin and **dieldrin** uptake in insecticide-resistant and susceptible mosquitofish (Gambusia affinis). 029085
Dieldrin and DDT in the tissues of mice **fed** *aldrin* and DDT for seven generations. 024940

ALEURITES
Esterified sterol glucoside and methylellagic acids from *Aleurites* **fordii** [tung tree] fruits. 022959
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a new amino acid from seeds of *Aleurites* **fordii** [Tung tree]. 026746

ALEURODIDAE
Note on the incidence and control of the citrus white fly, Dialeurodes citri **Ashmead** *(Aleurodidae:* Homoptera) in Himachal Pradesh. 028860

ALEURONE
Occurrence of some enzymes in starchy endosperm and hormonal regulation of isoperoxidase in *aleurone* of **wheat.** 027026

ALEYRODIDAE
Failure of Bemisia tabaci to breed on cassava plants in Brazil **(Homoptera:** *Aleyrodidae).* 028828
Visual and olfactory responses in orientation to plants by the greenhouse whitefly, Trialeurodes vaporariorum **(Homoptera:** *Aleyrodidae).* 028840
Spectral specific responses in the visual behavior of the greenhouse whitefly, Trialeurodes vaporariorum **(Homoptera:** *Aleyrodidae).* 029336

ALFALFA
Algonquin *alfalfa* [cultivar]. 027378
Angus *alfalfa* [Early cultivar]. 027379
Effect of cubing or **baling** *alfalfa* on rumen function [Cattle]. 023858
Uptake of picloram [herbicide] by roots of *alfalfa* and **barley.** 026934
Ultrastructure of Rhizobia in pure culture and symbiosis *[Alfalfa* and **clover].** 026964
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll **content** in *alfalfa*. 026995
Investigations on the technique of *alfalfa* **cultivation** in the Poirino area. 027363
Digestible, metabolizable and net energy values of corn grain and **dehydrated** *alfalfa* in sheep. 023759
Control of particulate emissions [Air pollution] from *alfalfa* **dryers.** 030915
Efficacy of insecticides and dosage rates applied for control of the **Egyptian** *alfalfa* weevil [Hypera brunneipennis] and pea aphid [Acyrthosiphon pisum]. 028663
Feeding damage to several leguminous and non-leguminous plants by the **Egyptian** *alfalfa* weevil [Hypera brunneipennis]. 028730
A natural epizootic of a coccidian in a population of the **Egyptian** *alfalfa* weevil, Hypera brunneipennis, and the alfalfa weevil, Hypera postica. 028757
Effects of chopping **ensilaged** *alfalfa* (Medicago sativa L.) and the conservation process on the feeding behavior of sheep. 023918
Improving quality **factors** of *alfalfa*. 026174
Beef yield on an *alfalfa* **field** [Grazing, Argentina]. 023692
Alfalfa **flower** color associated with differential seed set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. 026887
Olfactory discrimination by honeybees [Apis mellifera] of terpenes identified from volatiles of *alfalfa* **flowers.** 029819
Alfalfa **forage** cost analysis. 021432
Stem nematodes [Ditylenchus dipsaci]—their effects on plants **grown** with *alfalfa*. 028453
Environmental physiology, modeling and simulation of *alfalfa* **growth.** Conceptual development of SIMED [Simulation of Medicago]. 027041
Questions of operation of *alfalfa* **harvesting** carried out by high-power self-propelled forage harvesters. 030101
Amino acid absorption by portal-jugular venous differences in sheep fed two maturities of *alfalfa* **hay.** 023756
Air temperature modification in Lumite field cages [used inentomological research] in *alfalfa* **hay.** 029400
Some problems of male sterility and the effects of **heterosis** in *alfalfa*. 026178
[Using] *alfalfa* for the **improvement** of stony soils. 030256
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in *alfalfa* and **ladino** clover. 026994
Air flow resistance and density of *alfalfa* **leaves** [Preservation]. 022842
Soluble protein concentrate [food supplement] from *alfalfa* by **low-temperature** acid precipitation. 022775
Irrigating for **maximum** *alfalfa* seed yield. 030642
Protein digestibility and lysine availability in *alfalfa* **meal** and alfalfa protein concentrate [Japanese quail, rats]. 023802
Supplement of rice straw for sheep with kenaf leaf [Hibicussabdariffa] or *alfalfa* **meal.** 023844
Virus concentrations and chlorophyll levels in celery plants affected by cucumber mosaic virus and *alfalfa* **mosaic** virus, after treatment with gibberellin. 028235
Investigation of *alfalfa* **mosaic** virus transmission through alfalfa seed. 028255
Occurrence an incidence of cucumber mosaic virus and *alfalfa* **mosaic** virus on celery in Israel. 028265
Translation of *alfalfa* **mosaic** virus RNA's in mammalian cell-free systems. 028286
Crop equivalent rating guide for soils of Minnesota [Yields, maize, wheat, *alfalfa,* **Poa**]. 027450
Advection modification of the Priestley and Taylor evaportranspiration formula [Irrigated **potatoes,** *alfalfa].* 027102

Effects of different systems of *alfalfa* **preservation** on the ingestion, digestibility and passage speed of feed residues in adult sheep. 023919
Plant juice protein: the promise, the problems *[Alfalfa,* **processing,** equipment]. 022736
The effects of weather on hay **production** *[Alfalfa].* 027349
Protein digestibility and lysine availability in alfalfa meal and *alfalfa* **protein** concentrate [Japanese quail, rats]. 023802
Clover root curculio [Sitona hispidulus]: Control with granular carbofuran as measured by *alfalfa* **regrowth,** yield, and root damage. 028749
On the possibility of using a jointly cultured system of isolated tissues from legumes and nodular bacteria for investigating their interrelations *[Alfalfa,* **Rhizobium** meliloti, Rhizobium leguminosarum]. 026949
Investigation of alfalfa mosaic virus transmission through *alfalfa* **seed.** 028255
Irrigation rate according to the growth rate of *alfalfa* **stems.** 030677
Fusarium wilt of *alfalfa* and **studies** of disease resistance. 026171
Selection criteria for Verticillium **tolerance** of *alfalfa.* 026175
Care of *alfalfa* **undercrops.** 027535
Nitrogen content in combined silages with **varied** *alfalfa* contents. 023084
Yield and quality losses due to *alfalfa* **weevil** [Hypera postica]. 028703
Field survival of diapausing Bathyplectes curculionis, a parasite of the *alfalfa* **weevil** [Hypera postica]. 028731
A natural epizootic of a coccidian in a population of the Egyptian alfalfa weevil, Hypera brunneipennis, and the *alfalfa* **weevil,** Hypera postica. 028757
Population and mortality assessment during the cocoon stage of the *alfalfa* **weevil,** Hypera postica (Coleoptera: Curculionidae). 029286

ALGAE

Population biology of a brine fly [Ephydra thermophila] (Diptera: Ephydridae) in the presence of **abundant** *algal* food. 029320
Mating in Chlamydomonas: a system for the study of specificcell adhesion. II. A radioactive flagella-binding assay forquantitation of **adhesion** *[Algae].* 026021
Purification of NADH [nicotinamide adenine dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, *Algae]* by **affinity** chromatography. 026791
Studies on Indian Gracilaria. I. Carpospore and tetraspore germination and early stages of development in Gracilaria corticata J. **Ag.** *[Algae].* 025629
Changes in the natural growth of Gelidiella acerosa (Forskal) Feldmann et Hamel in an exploited population *[Algae,* **agar** industry]. 025877
Manganese and photosynthetic oxygen evolution by *algae* **[Anabaena** cylindrica, Chlorella vulgaris]. 026690
Vertical interactions in phytoplankton populations—an asymptotic Eigenvalue **analysis** *[Algae].* 025920
Biological availability of sediment phosphorus to microorganisms *[Algae,* **aquatic** weeds, eutrophication]. 026696
Raft fouling in the Menai Strait, 1963-1971 *[Algae,* **Arthropoda].** 025700
Great Lakes nutrient assessment *[Algal* **assay,** Cladophora, Selenastrum capricornutum]. 026545
Assessing treatment process efficiency [in wastewater] with the *algal* **assay** test [Selenastrum capricornutum]. 030855
Algal **assays** for the national eutrophication survey. 030854
Proceedings: biostimulation—nutrient assessment workshop, October 16-17, 1973 Corvallis, Oregon [Environmental pollution, *algal* **assays].** 030858
The use of *algal* **assays** to determine effects of waste discharges in the Spokane River system. 030862
A collection of Wm. H. Harvey's **Australian** *algae* at West Chester, Pennsylvania, U.s.a. 025570
The toxicity of DDE [dichlorodiphenyl dichloroethylene] to a marine dinoflagellate [Exuviella **baltica,** *algae].* 029095
Phytoplankton *[Algae]* **biomass,** species composition and primary production at a nearshore and a midlake station of Lake Ontario during IFYGL (IFYGL) International Field Year for the Great Lakes. 025800
Canopy lichens with **blue-green** *algae:* a nitrogen source in a Colombian rain forest. 025894
The initial organic products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the **blue-green** *alga* Anabaena cylindrica. 026395
Modification of the automated sequence determination as applied to the sequence determination of the [**blue-green** *alga]* Spirulina maxima ferredoxin. 026404
Carbonic anhydrase levels in **blue-green** *algae* [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440
Microtubular complexes in **blue-green** *algae* [Nostoc sphaericum]. 026820
Investigations on the ecology and physiology of the marine **blue-green** *algae* lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Obituary of Dr. Yukio Yamada (1900-1975) [Japanese **botanists,** *algae].* 025557
The influence of gibberellic acid and kinetin on the growth of Scenedesmus quadricauda (Turp.) **Breb.** *[Algae].* 026337
Gametic differentiation in Chlamydomonas reinhardtii *[Algae].* III. **Cell** wall lysis and microfilament-associated mating structure activation in wild-type and mutant strains. 026200
Modifying action of thymidine on ultraviolet-irradiated Anascystis nidulans **cells** *[Algae].* 026687
Changes in amino acid and peptide compositon of Euglena gracilis *[Algae]* **cells** during chloroplast development. 026796
Polysaccharide from cell walls of **Chlamydomonas** *reinhardtii[Algae].* 026756
Four-step mechanism of water oxidation in photosynthesis *[Algae,* **Chlorella** pyrenoidosa]. 026539
Additional data on morphological and cytochemical features of the Golgi apparatus in vegetative cells of the **chlorophycean** *alga* Ulva lactuca L. (Ulvales). 025966
Alkaline and acid phosphatases of the marine diatoms Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) **Cleve** *[Algae].* 026640
The protein, peptide and free amino acid composition in some species of Laurencia from Saurashtra **coast** *[Algae].* 026808
Sphaeronostoc pruniforme (Ag.) Elenk. *[Algae]* **collected** in Baikal Lake. 025715
Epiphyte—host relations in seagrass **communities** *[Algae].* 025867
Response of estuarine phytoplankton to environmental **conditions** *[Algae].* 025902
Linkage of six genes in [the unicellular green alga] Chlamydomonas reinhardtii *[Algae]* and the **construction** of linkage test strains. 026195
Correlations and morphogenesis in Chara vulgaris L. *[Algae]* **cultivated** in vitro. 026827
Some observations on the morphology of Enteromorpha linza (L.) J. Ag. and Enteromorpha compressa (L.) Grev. in axenic **culture** *[Algae].* 025962
Changes in the growth rate of the concomitant microflora in *algal* **cultures** under illumination and in darkness [Chlorella pyrenoidosa]. 026686
Isolation and characterization of dinoflagellate and chrysophyte **cytochrome-f** (553-4) *[Algae].* 026743
Effect of high altitude cosmic radiation on **desmids** *[Algae].* 026866
On the nature of the iron sulfur cluster in a **deuterated** *algal* ferredoxin [Synechococcus lividus]. 026409
The microbiology and biogeochemistry of the Dead Sea [Halobacterium, Sarcina, **Dunaliella,** *Algae].* 026670
Inhibitors produced by *algae* as an **ecological** factor affecting bacteria in water ecosystems. I. Dependence between phytoplankton and bacteria development. 025854
Notes on the **edaphic** *algae* of the Galapagos [Chlamydomonas, Oscillatoria]. 025821
The influence of acridine dyes and caffeine on recovery from ultraviolet damage in Eudorina **elegans** *[Algae].* 026459
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, *algae,* **Elodea.** 030650
Dynamics of phytoplanktonic production in the oligotrophic lake Paajarvi, southern **Finland** *[Algae].* 026365
Gametic differentiation in Chlamydomonas reinhardtii *[Algae].* II. **Flagellar** membranes and the agglutination reaction. 026199
Open-ocean farming of kelp for conversion to animal and human **foods** *[Algae].* 022434
Ultrastructural aspects of spermatogenesis in Cutleria adspersa (Phaeophyceae, Cutleriales *[Algae])* from the **French** Mediterranean coast. 025972
Carrageenans of gametangial and tetrasporangial stages of Iridaea cordata **(Gigartinaceae)** *[Algae].* 026441
Taxonomic notes on Gracilaria mammillaris (Mont.) Howe and Gracilaria veleroae Dawson (Rhodophyta, **Gigartinales)** *[Algae].* 025844
Changes in chloroplast ribosomal proteins in a streptomycinresistant mutant of Euglena **gracilis** *[Algae].* 026797
The measurement of phototactic activity in Euglena **gracilisKlebs** *[Algae].* 026685
Green *algae.* 025803
Ultrastructure of a blue **green** *alga:* Pseudanabaena galeata, Bocher. 026051
Observations on mechanisms of attachment in the **green** *alga* Ulva mutabilis Foyn. An ultrastructural and light microscopical study of zygotes and rhizoids. 026060
Linkage of six genes in [the unicellular **green** *alga]* Chlamydomonas reinhardtii [Algae] and the construction of linkage test strains. 026195
Pandorina morum (mulberry **green** *alga)* in the process of division. 026683
Flavin as an active component of the photoreversible pigment system of the **green** *alga* Protosiphon botryoides Klebs. 026697
Variations of the lipid composition during the formation of cysts in the **green** *alga* Protosiphon botryoides. 026774
Toxicity of zinc to the **green** *alga* Selenastrum capricornutum as a function of phosphorus or ionic strength. 028357
Gleodinium montanum (Pyrrhophyceae, *Algae)* **grown** in darkness. 026366
The effect of transport on biostimulation of *algal* **growth** [Chlorella pyrenoidosa, Anacystis nidulans]. 026547
Action spectra of photosynthesis and hydrogen evolution by bacteria, *algae,* and **higher** plants. 026541
Photoinduced hydrogen evolution by bacteria, *algae,* and **higher** plants. 026542
Temperature dependence of chlorophyll a fluorescence in relation to the physical phase of membrane lipids in *algae* and **higher** plants. 026794
Studies on fat-soluble substances of laver (Susabinori, Porphyra yezoensis) *[Algae].* I. **Identification** of sulfolipid. 026353
Cytological observations on the material of Boergesenia forbesii (Harv.) Feldmann from the south and west coast of **India** *[Algae].* 026009
The use of **insitu** *algal* assays to evaluate the effects of sewage effluents on the production of Shagawa Lake phytoplankton. 030863
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of actinomycin D and ethidium bromide. I. Light-microscope **investigations** *[Algae].* 026057
Partial purification and properties of ornithine transcarbamoylase from Nostoc muscorum **Kutzing** *[Algae].* 026789
Modeling of phytoplankton *[Algae]* in **Lake** Ontario. 026804
Alpha- and beta-synderol; new bromo-monocyclic sesquiterpenes from the seaweed **Laurencia** *[Algae].* 026843
On the respiratory enhancement in Chlorella pyrenoidosa by blue **light** *[Algae].* 026803
Interstitial protozoa and *algae* of **Louisiana** salt marshes. 025910
Marine *algae* of northern Greece. 025628
Recent additions to the **marine** *algal* flora of Nahant, Massachusetts. 025813
The development of a standardized **marine** *algal* assay procedure for nutrient assessment [Water pollution]. 030860
High speed cinemicrography of the direct photophobic response of Euglena [gracilis, *algae]* and the **mechanism** of negative phototaxis. 026661
Model for the positional differentiation of the cap in Acetabularia **[mediterranea,** *Algae].* 026391
Germination of cysts in Acetabularia **mediterranea** *[Algae].* 026819
Dinoflagellate phototaxis: pigment system and circadian rhythm as related to diurnal **migration** *[Algae].* 026586
Studies on Kallymenia (Cryptonemiales, Kallymeniaceae). II. Development of spores and **morphogenesis** *[Algae].* 026855
The ecology of *algae* in the **Moruya** River, Australia. 025901
Studies on the effects of alcohols on membrane water permeability of **Nitella** *[Algae].* 026822
Changes in chloroplasts structure during autospore formation in Scenedesmus **obtusiusculus** *[Algae].* 026052
Stimulation of gas production from cowdung by *algal* **[Oscillatoria** chalybea] supplementation. 029916
Muddy **peat** *algae* of Finnish raised bogs. 025862
Navicula fucicola sp. Nov., a diatom living in the apical slit of Fucus vesiculosus L. **(Phaeophyceae)** *[Algae].* 025815
The effects of mercury on the photosynthesis and growth of estuarine and oceanic **phytoplankton** *[Algae].* 028372
Adenosines 5' phosphates (ATP, ADP, AMP) in **phytoplanktonic** *algae.* Role in the indirect measurement of the biomass. 026435
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the **plasmodesmata** *[Algae].* 026439
Drying of amino acids [from *algae]* in the **presence** of carbohydrates. 022436
Gametic differentiation in Chlamydomonas reinhardtii *[Algae].* I. **Production** of gametes and their fine structure. 026019
Evidence for a species-specific cell fusion hormone in **red** *algae* [Griffithsia]. 026818
Evidence of a large, ramified mitochondrium in Chlamydomonas **reinhardii** *[Algae].* 026056
A chlorophyll-protein complex lacking in photosystem I mutants of Chlamydomonas **reinhardtii** *[Algae].* 026632
Algae of **rhizosphere** of indicator plants from certain plant associations of southwestern Turkmenistan flatlands. 025908
Ultrastructural study of the wall of Polysiphonia elongata (Harv.) *[Algae]* **Rhodophycene,** Floridea, with the help of actions of enzymes. 026032
Storm induced relationships among chemical conditions and phytoplankton *[Algae]* in **Saginaw** Bay and western Lake Huron. 026805
A new species of Polysiphonia from the Baltic **Sea** *[Algae].* 025627
Effects of temperature and salinity variations on photosynthesis of some littoral seaweeds of the North Adriatic **Sea** *[Algae].* 026425
The in vitro sensitivity of some species of Chlorophyceae *[Algae]* to a **selected** range of herbicides. 028604
Ozone-induced loss of intracellular potassium ion from Chlorella **sorokiniana** *[Algae].* 026788
The abundance of diatoms *[Algae]* in the **southwestern** nearshore region of Lake Ontario during the spring thermal bar period. 025919
The genus Porphyra C. Ag. (Rhodophyta-Bangiales) in the American South Atlantic. I. Brazilian **species** *[Algae].* 025630
Specific photosynthesis of Chlorella [pyrenoidosa] in different regions of the **spectrum** *[Algae].* 026543

Interferometric measurements of dry mass content in nuclei and cytoplasm in the life cycle of antheridial filaments cells of Chara vulgaris L. *[Algae]* in their **successive** developmental stages. 026334
Permanent preparations of **sweetwater** *algae.* VI. Enclosure in water-soluble mounting media (sealing varnish). 025560
New chlorophyll-b forms in a chlorophyll-detergent photosynthetic model **system** *[Algae].* 026408
Phosphate, *algae,* and **taconite** tailings in the western arm of Lake Superior. 025918
Distantes (Pinnularia, Bacillariophyceae). A critical compilation [New **taxa,** *algae].* 025759
Yukio Yamada [Japanese **taxonomist,** *algae].* 025631
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans *[Algae;* **tests** with aminoacyl synthetase from barley seedlings and yeasts]. 026773
An ultrastructural study of pyrenoids in Leptosiropsis **torulosa** *[Algae].* 025804
Specific binding of insulin to the **unicellular** *alga* Acetabularia mediterranea. 026821
Mirex and marine **unicellular** *algae:* accumulation, population growth and oxygen evolution. 028337
Cell division in the pennate diatom Diatoma **vulgare** *[Algae].* 026817
Growth requirements of Enteromorpha compressa and Codium fragile *[Algae,* **water** pollution]. 026546
Removal of phytoplankton *[Algae]* from **water.** 030985
Hydrographically conditioned floristic and vegetation limits in Icelandic coastal **waters** *[Algae].* 025878
Sulphate uptake and metabolism in the chrysomonad, Monochrysis lutheri **[Yellow-green** *alga].* 026381
Zonaroic acid from the brown seaweed Dictyopteris undulata **(=zonarioides)** *[Algae].* 026563
Algal **zonation** in the fringing coral reef of Curacao, Netherlands Antilles, in relation to zonation of corals and gorgonians. 025865

ALIMENTARY

Radiography of the *alimentary* **canal** of the horse. 024330
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the *alimentary* **canal** of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
Functional anatomy and nervous control of the **equine** *alimentary* tract [Horses]. 023562
Osmotic shock as a prerequisite to pollen digestion in the *alimentary* **tract** of the worker honeybee [Apis mellifera]. 029820

ALISMA

A new species Doassansia alismatis-oligococci Vanky on *Alisma* **oligococcum** in Sri Lanka. 025823
Studies on the quality of Chinese herb "Zexie" and the alisols content of *Alisma* **orientale.** I. 026663

ALISOLS

Studies on the quality of Chinese herb "Zexie" and the *alisols* **content** of Alisma orientale. I. 026663

ALKALI

Apparent solubility and *alkali* **degradation** patterns of rice varieties. 022780
Action of alkalis on keratinic fibers in relation to morphological structure. 1. Action of *alkalis* on the **disulfide** bridge of cystine in relation to morphological structure [Wool]. 022660
End-wise degradation of hydrocellulose during **hot** *alkali* treatment. 025415
Dynamics and composition of *alkali* **hydrolyzable** nitrogen in polzol soils of the Kola Peninsula. 030286
Nutritional and chemical changes in heated casein. III. A comparison of the *alkali-soluble* and **insoluble** fractions. 022596
Action of *alkalis* on **keratinic** fibers in relation to morphological structure. 1. Action of alkalis on the disulfide bridge of cystine in relation to morphological structure [Wool]. 022660
A comparison of some chemical and physical properties of *alkali* **lignins** from grass and lucerne hays before and after digestion by sheep. 023776
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of *alkalis* on **proteins** constituting morphological structures [Wool, mohair, dog hair]. 022767
Mechanisms of disposal of acid and *alkali* in **rabbit** duodenum. 023220
Effect of **sodium** *alkalis* and salts on pH [hydrogen-ion concentration] and flavor of soymilk [Soybeans]. 022783
Transformation of clay minerals under saline and *alkali* **soil** conditions. 030322
Possibilities of reclamation of saline and *alkali* **soils** of arid salines of Saurashtra. 030591
Methods of investigating the carbohydrate fraction of **sulfite** *alkalis* [Wood pulp processing]. 025314
Recovery of **sulfite** *alkalis* from boiling cellulose with acid on a mixed base. 025325

ALKALINE

Alkaline and **acid** phosphatases of the marine diatoms Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) Cleve [Algae]. 026640
On the *alkaline* **degradation** of 2-furfurylidene-10-methyl-trans-1-decalone. 022418
Effect of manganese and sulphur fertilization on growth and yield of onions grown on *alkaline* **low** moor peat soil. 030395
Activity and properties of *alkaline* **phosphatase** in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Can the serum activity of *alkaline* **phosphatase** (AP) be used in diagnosing canine hip dysplasia? 024875
Serum *alkaline* phosphatase isoenzymes in beef cattle. 023637
Additional note on **serum** *alkaline* phosphatase activity in bloat in Zebu [cattle] and ruminal impaction in buffaloes. 024843

ALKALOIDS

Additional *alkaloids* of Triclisia patens and Triclisia subcordata. 026711
Trigilletimine: a new **bisbenzylisoquinoline** *alkaloid* from Triclisia species. 026562
Investigation of the *alkaloids* of **Buxus** sempervirens. 026483
Alkaloids from **Buxus** sempervirens var. Bullata Kirchn. 026527
Alkaloids of **Camoensia** maxima. 026717
Alkaloids of **Cannabis** sativa leaves [Marijuana]. 026716
Alkaloids of **Cissampelos** pareira. 026718
Alkaloids of **Cocculus** pendulus (Forsk) Diels. 026840
Alkaloids and **coumarins** from Zanthoxylum belizense. 026713
Alkaloids from Rhamnaceae. XXVI. Nummularine -D, -E and -F, new **cyclopeptide** *alkaloids* from Zizyphus nummularia. 026839
Danainae (Lepidoptera) and **1,2-dehydropyrrolizidine** *alkaloid-containing* plants—with reference to observations made in the New Hebrides. 029476
Structures of some Knightia **deplanchei** *alkaloids.* 026653
Studies on the alkaloids of papaveraceous plants. XXII. Separation of the *alkaloids* by **droplet** countercurrent chromatography. 2. The quaternary bases of Corydalis pallida. 026658
Ergot *alkaloids.* III. The isolation of N-methyl-4-dimethylallyltryptophan from Claviceps fusiformis [Fungi]. 026846
Isolation of *alkaloids* **form** Ungernia severtzovii by the ion-exchange method. 026486
Glycosidic *alkaloids* of Solanum persicum. 026479
Acetyllasiocarpine, an *alkaloid* from **Heliotropium** europaeum[Weed, toxic to sheep]. 026384
Total synthesis of compounds related to the **homoerthrina** *alkaloids* [Schelhammera pedunculata]. 026852
Studies of plants containing **indole** *alkaloids.* 5. Identification of tetrahydrosecamine in Amsonia elliptica Roem. et Schult. and the synthesis of secamine and presecamine. 026655
Adina [rubescens] *alkaloids:* **isolation** and structure of anhydroadirubine. 026712
Action of *alkaloids* on **keratinic** fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, dog hair]. 022767
Alkaloids from the **leaves** of Bocconia frutescens L. 026528
Alkaloids of **Liriodendron** tulipifera. 027312
Studies on **lupin** *alkaloids.* VI. Isolation and structure of (+)-isomatrine [Sophora flavescens]. 026516
Synthetic studies on **Lythraceae** *alkaloids.* IV. Total synthesis of (plus/minus) methyldecinine. 026521
Darvasoline—a **new** *alkaloid* of Leontice darvasica. 026473
Haplamine—a **new** *alkaloid* from Haplophyllum perforatum. 026480
Two **oxoaporphine** *alkaloids* of Stephania japonica. 026771
Studies on the *alkaloids* of **papaveraceous** plants. XXII. Separation of the alkaloids by droplet countercurrent chromatography. 2. The quaternary bases of Corydalis pallida. 026658
The synthesis of 3-spirooxindole derivatives. VII. Total synthesis of *alkaloids* **(plus/minus)-rhynchophylline** and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. 026523
Alkaloids from **Rhamnaceae.** XXVI. Nummularine -D, -E and -F, new cyclopeptide alkaloids from Zizyphus nummularia. 026839
Alkaloids from the **root** bark of Zanthoxylum myriacanthum. 026715
Alkaloids of **Solanum** tuberosum [Potaotes]. 027158
Alkaloids from **Sophora** secundiflora. 026714
Alkaloids of the **wood** of Liriodendron tulipifera. 027313

ALKANE

Studies on the fermentation of citric acid from *N-alkanes* by **Candida** lipolytica B74 [Yeasts]. 026330

ALKYL

Synthesis and flavor properties of some *alkyl-substituted* **alpha-pyrone** derivatives [Food flavorings]. 022116
An *alkyl* **etherase** in rat liver. 023544

ALKYLATION

Synthesis and adrenergic neuron blocking properties of some *alkylating* **analogues** of bretylium [Rabbits]. 023265
Analysis of some carbamate and urea herbicides in foods by gas-liquid chromatography after *alkylation* **[Residues].** 021906

ALLATECTOMY

Allatectomy and **imaginal** diapause in females of Tetrix undulata (Sow.) (Orthoptera, Tetrigidae). 029260

ALLATUM

Corpus *allatum* activity and wing determination in Megoura viciae. 029454

ALLELE

Note on a third *allele* in th **erythrocytic** NP [nucleoside phosphorylase] system of cattle. 023977
Gene dosage effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and **mutant** *alleles.* 026193
Adenosine deaminase in the pig: tissue-specific patterns and expression of the silent ADA [adenosine deaminase] *allele* in **nucleated** cells. 023976
Linkage and *allelic* **relationships** among genes for resistance in tomato (Lycopersicon esculentum) against Meloidogyne incognita [nematode]. 028343
A test of the influence of *isoallelic* **variation** upon a quantitative character [Drosophila melanogaster]. 029363

ALLERGY

Allergic **contact** dermatitis [in a dog]. 024905

ALLIUM

Differential staining of the chromosomes of *Allium* **cepa** L. [Onion]. 026141
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and *Allium* **Cepa** L. [Onions]. 027096
Comparison of ultrastructural localization of acid phosphatasic activity in *Allium* **cepa** L. (Liliaceae) [onions] radicles, developed at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224
Cytological effects of fungicides, plantvax and vitavax on somatic cells of *Allium* **cepa** [Onions]. 027945
A rapid spectrophotometric method of determination of thiopropanal S-oxide (lachrymator) in **onion** *(Allium* cepa L.) and its significance in flavour studies. 022946
The use of synthetic (plus/minus)-S-1-propyl-L-cysteine sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of **onion** *(Allium* cepa L.). 022953
Photoperiodic regulation of bulbing and maturation of Bet Alpha **onions** *(Allium* cepa L.) under decreasing daylength conditions [in Israel]. 027200
Inclusions in mesophyll cells induced by a virus causing chlorotic streaks on leaves of *Allium* **porrum** L. [Leeks]. 028254
Fine structural and cytochemical analysis of phragmosomes (microbodies) during cytokinesis in *Allium* **[sativum]** root tipcells [Onions]. 026058
The B-chromosome system of *Allium* **schoenoprasum.** I. B-Distribution. 026129

ALLOMETRY

Allometric **change** of landforms. 030207
A study of variability and **size** *allometry* during postembryonal development of Notonecta maculata Fabricius (Insecta, Heteroptera). 029236

ALLOTYPE

Identification of **five** *allotypes* of serum alpha2-lipoprotein esterases in American minks (Mustela vison). 024220

ALLUVIAL

Study of soil clays from different sources of *alluvial* **parent** materials under varying rainfall conditions. 030321
Clay mineralogy of *alluvial,* **red** and lateritic soil profiles from West Bengal. 030302
One example of the comparative development of the clone of Populus euramericana I-214 on the *alluvial* **soil** of the Vardar in the valley of Skopje. 025247
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on *alluvial* **soils** of the Colchis lowland. 026837
Correlation studies between different forms of phosphorus in *alluvial* **soils** of districts Deoria and Gorakhpur in Uttar Pradesh. 030221
Material for agrochemical characteristics of *alluvial* **soils** of the Colchis lowland. 030374

ALMONDS

Pirimiphos-methyl as a protectant [from insect pests] for stored **inshell** *almonds* [Control effectiveness and residues]. 028982

ALNUS

The experimentation to stabilize the appropriate sowing density of *Alnus* **barbata** in nursery. 025240
Ultrastructure, composition, and biogenesis of the encapsulation material surrounding the endophyte in *Alnus* **crispa** var. Mollis root nodules. 025992
Conversion of squalene-2(3) epoxide by enzymes of *Alnus* **glutinosa.** 027331
Storage of red alder *[Alnus* **rubra]** chips with and without bark—treated and untreated. 025533

ALOCASIA
Glucosidases specific for the cyanogenic glucoside triglochinin. Purification and characterization of beta-glucosidases from *Alocasia* **macrorrhiza** Schott. 026566

ALOE
My favorite **plant** *Aloe* vera. 027686

ALOPECIA
The use of megasterol acetate for treatment of feline **endrocrine** *alopecia* [Altered cats]. 024908

ALOPECURUS
Black-grass *[Alopecurus* **myosuroides,** control]. 028484
Effects of nitrogen and phosphorus on the yield and chemical composition of meadow foxtail *[Alopecurus* **pratensis].** 030435

ALPINE
The **Brown** *Alpine* cattle breed. 024068
1974 annual report of the Federal Teaching and Research Institute for *Alpine* **Dairy** Industry in Rotholz. 022608
Subalpine and *alpine* **plant** communities on the island of Pico (Azores). 025876
Micromorphological, mineralogical and chemical characteristics of some *Alpine* **soils** and their genetic implications. 030194

ALTERNARIA
Factors affecting the occurrence and severity of blackmold of ripe tomato fruit caused by *Alternaria* **alternata.** 028054
Injury to wheat seeds from *Alternaria* **blight.** 028112
Alternaria **carthami** on safflower. 027867
Isolation of ergosterol peroxide from *Alternaria* **dianthicola** [Fungi]. 026385
Studies on lignin formation in fungus *[Alternaria* **japonica,** Peronospora parasitica]-infected plants. 027904
The involvement of host-specific toxins in early step of infection by *Alternaria* **kikuchiana** and Alternaria mali [Pears, apples]. 027982
Fungicidal control of brown spot *[Alternaria* **passiflorae]** of passion fruit in Uganda. 027878
Isolation and identification of physcion, 4,5-dihydroxy-7-methoxy-2-methylanthraquinone, from the mycelium of *Alternaria* **porri** [Fungi]. 026343
Lack of foliar protection from early blight *[Alternaria* **solani]** by aircraft-applied fungicides on sprinkler-irrigated potatoes. 028070
Effect of native carbon sources and pH [hydrogen-ion concentration] on the pectolytic enzymes of *Alternaria* **solani** and Alternaria tenuis. 028078
Alternaria **[tenuis]** rot of sunflower in Kuban. 028008
Effect of native carbon sources and pH [hydrogen-ion concentration] on the pectolytic enzymes of Alternaria solani and *Alternaria* **tenuis.** 028078

ALUM
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic **septicemae** *alum* precipitated vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567

ALUMINUM
Influence of *aluminum* **ions** on drying of cut plants. 026692

AMANITA
A comparison of Torrendia (Gasteromycetes) with *Amanita* **(Agaricales)** [Fungi]. 025762

AMARANTHACEAE
A new species of Achyranthes [ancistrophora] *(Amaranthaceae)* from **Thailand.** 025728

AMARANTHUS
A gibberellin bioassay based on betacyanin production in *Amaranthus* **caudaus** seedlings. 026801
Influence of climate and additives on bentazon *[Amaranthus* **retroflexus,** control]. 028618
Record of Plutella xylostella Linn. [=maculipennis (Curt.)] as a new pest of *amaranthus* **viridis** in Karnataka. 028832

AMARYLLIDACEAE
Liliifloris notulae. 1. Characteristics of **Haemanthus** *(Amaryllidaceae)* [New taxa]. 025618

AMARYLLIS
Notes on Chilean Uredinales [Puccinia habranthi, Puccinia menthae, Uromyces minor]. III. New hosts *[Amaryllis* **belladonna,** Majorana hortensis, Pisum vulgare] for the three species already established. 027891

AMBER
Frequency of nonsense **mutations** *(amber* and ochre) induced by UV [ultraviolet] light in the ura3 gene in Saccharomyces cerevisiae [Yeasts]. 026222

AMBLYOMMA
Control of fluid secretion by isolated salivary glands of the lone star tick *[Amblyomma* **americanum].** 029408
The trans-stadial transmission of the bovine farcy organism, Nocardia farcinica, by the **ixodid** *Amblyomma* variegatum (Fabricius, 1794). 024743

AMBLYSEIUS
Amblyseius **bibens** (Acarina: Phytoseiidae), a predator of spider mites (Tetranychidae) in Madagascar [Biological control]. 028645
Carbaryl resistance in native and released populations of *Amblyseius* **fallacis** [Michigan, apples]. 028848
Functional and numerical responses of the predatory mite, *Amblyseius* **fallacis,** to prey [Tetranychus urticae] density [Apples]. 028849

AMELANCHIER
The species concept and the taxonomy of the **genus** *Amelanchier* (Rosaceae). 025651

AMIDASES
Amide utilization in Aspergillus nidulans [Fungi]: evidence for a third *amidase* **enzyme.** 026645

AMIDES
Microbiocidal activities of some *amide* **complexes** of diphenyltin dichloride [Fungi, bacteria]. 027947
Amide **utilization** in Aspergillus nidulans [Fungi]: evidence for a third amidase enzyme. 026645

AMINES
Quantitative determination of some **biogenic** *amines* in pineapple products. 022873
Distribution of cadaverine and other *amines* in **higher** plants [Legumes, barley]. 027006
The biosynthesis of aroma compounds by microorganisms. I. Formation of *N-acetyl-amines* by **Saccharomyces** cerevisiae [Yeasts]. 022554
Effect of ascorbic acid on *amine-nitrite* **toxicity** [Food additives]. 022032
Volatile *amine* production in uncured pork during storage. 022690

AMINO
Taste of **acetylated** *amino* acids. 022068
Amino **acid** analysis of honeys from eleven countries. 022486
Amino **acid** composition in beef muscles and organs. 022708
Protein content and *amino* **acid** composition in groats and hulls of developing oats (Avena sativa). 022786
Amino **acid** content and digestible energy value of sprouted, rust-affected and sound wheat in pig diets. 023015
Evidence against the participation of the gamma-glutamyltransfease-gamma-glutamylcyclotransferase pathway in *amino* **acid** transport by rabbit erythrocytes. 023279
Amino **acid** composition of keratins of chimeric neoptile feathers resulting from heterospecific ecto-mesodermal recombinations between the chick and the duck. 023348
Amino **acid** transport by aggregates of cultured chicken heart cells: Effect of insulin. 023476
Chicken glucagon: Isolation and *amino* **acid** sequence studies. 023478
Amino **acid** requirements of the young turkey: leucine, isoleucine and valine. 023711
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and *amino* **acid** supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Amino **acid** absorption by portal-jugular venous differences in sheep fed two maturities of alfalfa hay. 023756
Protein and *amino* **acid** evaluation of commercially grown opaque-2 corn [Swine feeding]. 023765
Synthesis and *amino* **acid** composition of basic proteins in mammalian sperm nuclei. 024064
The *amino* **acid** sequence of purothionin A, a lethal toxic protein for **brewer's yeasts** [Saccharomyces cerevisiae] from wheat [flour]. 026350
Indole-3-acetic acid: Mass spectra and chromatographic properties of *amino* **acid** conjugates [Plant growth regulators]. 026619
Changes in *amino* **acid** and peptide compositon of Euglena gracilis [Algae] cells during chloroplast development. 026796
The formation of higher alcohols by *amino* **acid** auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. 026868
Amino **acid** specters of leaves of cassave clones that are morphologically very different (Manihot esculenta Crantz (=Manihot utilissima Pohl.)). 026913
Amino **acid** transport systems of cultured soybean root cells. 026924
Amino **acid** and fatty acid composition of chlorophyll-deficient mutants in peanuts Arachis hypogaea L. 026999
Molecular weight and *amino* **acid** composition of purified spinach beet phenolase. 027247
Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), fed diets containing graded levels of an *amino* **acid** mixture. 029313
Studies on protein in royal jelly [of Apis mellifera]. I. Solvent fractionation of protein and *amino* **acid** composition of each fraction. 029775
On the *amino* **acid** composition in soil hydrolysates. I. Amino acid compositions in acid hydrolysates of soil types and horizons of their soil profiles. 030185
Distribution of *amino* **acid** and carbohydrate components in fulvic acid [from Italian soils] fractionated on polyamide. 030193
Distribution of nitrogen in different plant parts of sorghum and *amino* **acid** composition of its grain as affected by foliar application of urea. 030468
Evaluation of an *amino* **acid-iron** chelate hematinic [Swine, feeding]. 023891
Stimulation of albumin synthesis by *amino* **acids** following partial hepatectomy in the rat. 022009
Drying of *amino* **acids** [from algae] in the presence of carbohydrates. 022436
Production of a mixture of *amino* **acids** [for food and drugs] by autolysis of hydrolyzed fodder yeast. 022438
Relations between structure and bitter taste of *amino* **acids** and peptides. I. Amino acids and related compounds [in food]. 022553
Utilization of *amino* **acids** administered enterally or parenterally to young pigs. 023540
Swine feeding: recent trends in nutrition with proteins and *amino* **acids.** 023913
Apparent digestibility of the *amino* **acids** of sunflower and sesame seed meals in laying hens. 023924
Vitamin E, selenium and *amino* **acids** containing sulfur [Animal nutrition]. 023949
Influence of *amino* **acids,** thiourea and hydroquinone on cellulolytic activity in some Fusarium [Fungi] strains. 026322
Amino **acids,** phosphatase and peroxidase in nectary glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of *amino* **acids.** 026868
Effects of morphactin on the growth and *amino* **acids** content of lentil roots. 027149
The influence of *3-amino-1,2,4-triazole* **(amitrole)** on the acid-soluble nucleotides and some other phosphorus compounds in oat seedlings. 026909
Problems of *amino-acid* **availability** [in feeds]. 023063
Effect of **dietary** *amino* acid imbalance on rat liver protein and DNA. 022202
Effect of supplementation of some **essential** *amino* acids on free amino acids in blood and liver of albino rats fed different pulse proteins. 022108
Nutritional effects of nitrogen-free analogues of **essential** *amino* acids. 022149
Nutritional qualities of some African edible leafy vegetables. Effect of boiling on the **essential** *amino* acid composition of their extracted protein. 022933
Evidence of relationship between hydroxyproline and **essential** *amino* acid contents in animal tissue proteins. 023670
An assessment of **essential** *amino* acid requirements of growing steers. 023757
The replacement of some of the soybean meal by the **first-limiting** *amino* acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Effect of supplementation of some essential amino acids on **free** *amino* acids in blood and liver of albino rats fed different pulse proteins. 022108
Influence of carbohydrate-free protein-rich diet on **free** *alpha-amino* nitrogen changes in plasma, erythrocytes and leucocytes [Rats]. 022172
Studies on the contents of **free** *amino* acids, inosinic and lactic acids in the lean meat from pigs of different body weights at slaughtering. 022647
Investigations on the nitrogenous substances of citrus fruits. V. The **free** *amino* acids of lemon juice. 022894
Comparison of **free** *amino* acids in blood serum of men and animals. II. Man, rabbit, guinea-pig, swine. 023676
THe effect of glucose infusion on the plasma **free** *amino* acids in sheep. 023707
Free *amino* acids in the amniotic fluid of different types of placenta [Cattle, dogs, rats]. 024251
The influence of sulfur dioxide and hydrogen fluoride on **free** *amino* acids of spruce [Picea abies]. 025025
Quantitative changes in **free** *amino* acids in Polytrichum formosum [Musci] during development. 026757
The protein, peptide and **free** *amino* acid composition in some species of Laurencia from Saurashtra coast [Algae]. 026808
Isolation and characterization of a mutant of Neurospora crassa deficient in **general** *amino* acid permease activity [Fungi]. 026407
Metabolism of the *amino* **group** of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
Antiarrhythmic, Haemodynamic and metabolic effects of *3alpha-amino-5alpha-androstan-2beta-ol-17-one* **hydrochloride** in Greyhounds following acute coronary artery ligation. 023320
A comparison of **intestinal** *amino* acid absorption in various avian and mammalian species. 023375
Conversion of *alpha[15N]amino-2,6-dichlorobenzaldoxime* **into[15N]2,6-dichlorobenzonitrile** [nitrogen isotope] by a soil culture [of microorganisms; phytotoxicity assay with wheat seedlings]. 028536
Investigation on the long distance transport of some foliar applied 14C [carbon **isotope**]-**labeled** *amino* acids [Kidney beans]. 027129

Incorporation of **labelled** *amino* acid into ova during ovarian development in the silkworm, Bombyx mori L. 029864
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a **new** *amino* acid from seeds of Aleurites fordii [Tung tree]. 026746
Partial *amino-acid* sequence of NAD-specific glutamate dehydrogenase of Neurospora crassa [Fungi]. 026813
A method for the identification and quantitative investigation of denatured proteins in mixtures based on computer comparison of *amino-acid* **patterns.** 022550
Protein, and *amino-acid* **requirements** of poultry, pigs and ruminants. 023850
Homology in *amino-terminal* **sequence** of precursors to pancreatic secretory proteins [Dogs]. 023622
Effect of different combinations of lysine and **sulphur-containing** *amino* acids on egg production of laying hens. 023690
The use of **synthetic** *amino* acids [in livestock feeding]. 023854

AMINOACYL
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with *aminoacyl* **synthetase** from barley seedlings and yeasts]. 026773
Replacement of Mg2+ [magnesium] by polyamines in the *aminoacylation* of **tRNA** from Phaseolus [Beans]. 027250

AMINOBUTYRIC
Betel nut [Areca catechu] constituents as inhibitors of *gamma-aminobutyric* **acid** uptake. 022526

AMINOLAEVULIC
The biosynthesis of *delta-aminolevulinic* **acid** in greening maize leaves. 027013
Erythrocyte *gamma-aminolevulinic* acid dehydrase changes in the preruminant calf. 023507
Regulation of mitochondrial biogenesis: enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants **requiring** *delta-aminolevulinic* acid. 026198

AMINOPEPTIDASES
Aminopeptidases in **webbing** clothes moth larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of low electrophoretic mobility. 029384

AMINOPYRINE
Hepatic *aminopyrine* N-demethylase, acetanilide hydroxylase and lipid peroxidation in young growing rats during the treatment of insecticides. 024944

AMINOTRANSFERASES
Accumulation of 4-aminobutyrate in Trifolium subterraneum [subterranean clover] root nodules: effect of Rhizobium trifolii strain on *aminotransferase* **activity.** 026899
Primary structure of **cytoplasmic** *aspartate-aminotransferase* from porcine myocardium. Isolation, purification, and characterization of peptides split by cyanogen bromide. 023311
Studies on *aminotransferases* in the **developing** ovary of the silkworm Bombyx mori L. 029790
Studies on *aminotransferases* in the **developing** ovary of the silkworm Bombyx mori L. 029791
Aminotransferases in the **larvae** of the insect Corcyra cephalonica St. 029371
Aminotransferases in the **larvae** of the insect Corcyra cephalonica St. 029372
Activity of *aminotransferase* in **tomato** seedlings depending on Ca: Mg [calcium: magnesium] ion ratio in the nutrient medium. 027092

AMITROLE
The influence of **3-amino-1,2,4-triazole** *(amitrole)* on the acid-soluble nucleotides and some other phosphorus compounds in oat seedlings. 026909
Studies on the effect of *aminotriazole* on **chloroplast** development in Phaseolus radiatus L. [Beans]. 028509

AMMI
Chronic lesions in geese photosensitized by *Ammi* **majus.** 024819
The susceptibility of young chickens, ducks, and turkeys to the photosensitizing effect of *Ammi* **visnaga** seeds. 024821

AMMONIA
Regulation of hepatic gluconeogenesis in the guinea pig by fatty **acids** and *ammonia.* 023487
Hay preservation and quality improvement by **anhydrous** *ammonia* treatment [Digestibility, cattle]. 023012
Using **anhydrous** *ammonia* in sugarcane. 030457
Formaldehyde titration method for the determination of *ammoniacal* **nitrogen** in phosphate fertilizers. 030480
Behaviour of **phenylalanine** *ammonia-lyase* in carrot cells in suspension cultures. 027238
Effect of [herbicide] molecules with hormonal properties on **phenylalanine** *ammonia* lyase activity [in tobacco and wheat]. 028537
Relationship between **ruminal** *ammonia* and nonprotein nitrogen utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen utilization by cattle. 023771
Relationship between **ruminal** *ammonia* and nonprotein nitrogen utilization by ruminants. II. Application of published evidence to the development of a theoretical model for predicting nonprotein nitrogen utilization. 023772
Ammonia **treatment** of wood. I. Changes in wood characteristics. 025286

AMMONIFICATION
Semiconductor properties of *ammoniated* **lignin.** 025328

AMMONIUM
Effect of the sequence of addition of potassium and ammonium and preadsorbed cations on fixation of **applied** *ammonium* ions in soils. 030239
Mono- and **diquaternary** *ammonium* cellulose cottons prepared in nonaqueous media. 022777
Calcium-ammonium **exchange** equilibria in three soil clays of Mysore State. 030299
Effect of *ammonium* on **growth** of plant cells (Ipomoea sp.) in suspension cultures. 026442
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen **isotope]-labeled** *ammonium* sulfate. 026975
Economics of fertilizing pine [Pinus] stands in the Oberpfalz using *calcium-ammonium* **nitrate.** 030458
Evidence for *ammonium-dependent* de **novo** synthesis of glutamate dehydrogenase in detached oat leaves. 027023
Effects of *ammonium* **perchlorate** on cattle growth and meat quality. 023956
Effect of the sequence of addition of potassium and *ammonium* and **preadsorbed** cations on fixation of applied ammonium ions in soils. 030239
Use of "quats" in the brewery. Differences in the efficiency of **quaternary** *ammonium* compounds. 022396
Presumptive **quaternary** *ammonium* intoxication in a pony. 024965
Ammonium **sulfate** in low and high energy rations for sheep. 023737
Influence of methyl bromide fumigation on eggplant [toxicity] in relation to fertilization with *ammonium* **sulphate.** 028365
Comparison of sulphur-coasted urea and *ammonium* **sulphate** amended with N-Serve as sources of nitrogen for sugarcane. 030476
Partitioning of nitrogen and carbon in cultures of the marine diatom Thalassiosira fluviatilis supplied with nitrate, *ammonium,* or **urea.** 026668

AMMOPHILA
Agropyron junceum and *Ammophila* **arenaria:** two pioneer plants in silt and sand. 026681

AMNIOTIC
Free amino acids in the *amniotic* **fluid** of different types of placenta [Cattle, dogs, rats]. 024251

AMORPHA
A revision of the North American **genus** *Amorpha* (Leguminosae-Psoraleae). 025807

AMPHOTERIC
A report of two cases of coccidioidomycosis in two dogs treated **wtih** *amphotericin* B [Coccidioides immitis, Fungi]. 024718

AMPICILLIN
The response of growing rats to a diet supplemented with the **antibiotic** *ampicillin.* 023786

AMPUTATION
Amputation of **bovine** medial dew claws on hindlegs as an aid in controlling teat trauma. 024389

AMYL
Correlation between amounts of 2-heptanone and *iso-amyl* **acetate** in honeybees [Apis mellifera] and their aggressive behaviour. 029809

AMYLASES
Amylase **activity** in the midgut of Sarcophaga ruficornis andMusca domestica. 029325
Response of ovine **pancreatic** *amylase* to elevated blood glucose [Sheep]. 023457
Effects of baking technology on the combination of mold control products and *amylase* **preparations.** 021892
Multiple forms of rice **seeds** *beta-amylases* on zymogram. 026884
Activity and stability of alpha- and *beta-amylase* at **temperatures** from 4 to -23 Celsius [Sweetpotatoes]. 022924

AMYLOSIS
Purification and properties of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in *amylose-branching* **enzyme.** 027171

ANABAENA
The initial organic products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the blue-green **alga** *Anabaena* cylindrica. 026395
Manganese and photosynthetic oxygen evolution by algae *[Anabaena* **cylindrica,** Chlorella vulgaris]. 026690
Carbonic anhydrase levels in blue-green algae *[Anabaena* **flos-aquae,** Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440
Heteroinhibition as a factor in *Anabaena* **flos-aquae** waterbloom production. 030857

ANABASIS
Study of oxoaphyllidine *[Anabasis* **aphylla].** 026504

ANABOLISM
Pregnancy *anabolism* of copper in relation to the copper supply. 023954

ANACARDIACEAE
Urushiols of **poisonous** *Anacardiaceae* [Toxicodendron, Metopium toxiferum]. 028538

ANACRIDIUM
Juvenile hormone titre in the haemolymph of adults of the normal and **infected** *Anacridium* aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270

ANACYSTIS
Carbonic anhydrase levels in blue-green algae [Anabaena flos-aquae, *Anacystis* **nidulans,** Coccochloris peniocystis, Oscillatoria]. 026440
The effect of transport on biostimulation of algal growth [Chlorella pyrenoidosa, *Anacystis* **nidulans].** 026547
Valyl tRNA's [transfer ribonucleic acids] of *Anacystis* **nidulans** [Algae; tests with aminoacyl synthetase from barley seedlings and yeasts]. 026773

ANAEROBES
Nitrification of *[anaerobically* **digested]** sewage sludge [in soil] using miscible displacement and perfusion techniques. 030822
Actions of microalgae in *anaerobic* **environments.** 026588
The etiology of swine dysentery. III. The role of selected gram-negative **obligate** *anaerobes.* 024749
Ethidium bromide mutagenesis in yeast [Saccharomyces cerevisiae]: **protection** by *anaerobiosis.* 026221

ANAGASTA
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the eggs of *Anagasta* **kuehniella** Zeller [Insect pests, biological control]. 028687

ANAL
Structure and development of the *perianal* **gland** of the dog. 023571

ANALOGS
The interaction of N-acetylglucosamine and an **affinity-label** *analogue* with alpha-lactalbumin [whey protein of milk] andlactose synthetase. 022563
Synthesis and adrenergic neuron blocking properties of some **alkylating** *analogues* of bretylium [Rabbits]. 023265
Chromosomal variation, cellular ageing and resistance to **antifolate** *analogues* in a Chinese hamster line. 023272
Solution of differential equation of humidity transfer [in cereals] on an *analogue* **computer.** 026880
Activity of juvenile **hormone** *analogues* on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. 028644
Polymorphism and sensitivity to a juvenile **hormone** *analogue* in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Influence of a juvenile **hormone** *analogue* on the ovarian function in allatectomised females of Labidura riparia (Insecta, Dermaptera). 029269
Effect of synthetic juvenile **hormone** *analogues* on the silkworm Bombyx mori L. 029865
Short-term feeding of methionine **hydroxy** *analog* to beef brood cows: Does it increase calf weaning weights? 023907
Production and physiological activity of tocopherols and their *analogues* **[Livestock** nutrition]. 023946
Distribution of ascorbic acid, metabolites and *analogues* in **man** and animals. 022031
Synthesis of dihydro-2,3 hydroxy-5 [4H] pyrones-4, a **new** *analogue* of dihydromaltol [Strawberries, pineapples]. 027296
Nutritional effects of **nitrogen-free** *analogues* of essential amino acids. 022149
Control of the oestrous cycle in Friesian heifers with ICI 80,996, a synthetic **prostaglandin** *analogue,* structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
Estrus control in gilts with norethandrolone injections and an *analogue* of **prostaglandins** (ICI 80996). 023983
Synchronization of oestrus in heifers and cyclic cows with progestagens and **prostaglandins** *analogues* alone or in combination. 024000
Interaction of aspartate transaminase from chicken heart cytosol with *analogs* of **pyridoxal** phosphate. 023310
The use of **synthetic** *analogues* of prostaglandins for inducing luteolysis in mares. 024012

ANALYZERS
Determination of the fat, protein and lactose content of 10day preserved milk samples by means of the infrared **milk** *analyzer* (IRMA). 022636
Laboratory comparative study of the performances of different **oxygen** *analyzers* dissolved in beer. 022383

ANANAS
The influence of flowering compounds on 'Sugarloaf' **pineapple** *(Ananas* comosus (L.) Merr.) in Ghana. 027088

ANAPHASE
Temperature dependence of *anaphase* **chromosome** velocity and microtubule depolymerization [Tilia americana]. 027324

ANAPLASMA
Animal health considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, *Anaplasma*, and **Boophilus** ticks]. 024720
Treating anaplasmosis *[Anaplasma* **marginale**] in cattle. 024503
Effect of five daily intravenous treatments with oxytetracycline hydrochloride on the carrier status of bovine anaplasmosis *[Anaplasma* **marginale,** cattle]. 024584

ANAPLASMOSIS
Effect of five daily intravenous treatments with oxytetracycline hydrochloride on the carrier status of **bovine** *anaplasmosis* [Anaplasma marginale, cattle]. 024584
Treating *anaplasmosis* [Anaplasma marginale] in cattle. 024503
Anaplasmosis: **treatment** and management options available to the veterinarian and herd owner during an acute outbreak [Cattle]. 024465

ANASTREPHA
Recapture of virgin female Caribbean fruit flies *[Anastrepha* **suspensa**] from traps baited with males. 028859
Effect of age upon fatty acid composition of adult caribbean fruit flies, *Anastrepha* **suspensa.** 029330

ANATOMY
The importance of teratology in the **[animal]** *anatomy.* 024324
Anatomical **characters** and identification of tropical woods. I. Elaeocarpus and Sloanea (Elaeocarpaceae). 025272
Comparative *macro-anatomic* and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the ox (Bos taurus) [Eyelids]. 023525
On the publication of van Tieghem's "Recherches sur la structure du pistil et sur l'anatomie comparee de la fleur" [Research on the pistil structure and **comparative** *anatomy* of the flower]. 025572
Functional *anatomy* and nervous control of the equine alimentary tract [Horses]. 023562
Anatomy of the **gynoecium** in two species of Bakeridesia (Malvaceae). 025938
The *anatomy,* **histology** and biogenic compounds of the carotid body of the pig (Sus scrofa). 023178
The **leaf** *anatomy* of beech, Fagus grandifolia. 025985
The **leaf** *anatomy* of beech, Fagus grandifolia. 025986
Studies on the **leaf** *anatomy* of Euphorbia. V. Epidermis. 026050
Anatomy and **movement** of the column in Stylidium. 025946
Muscular *anatomy* of Ips sexdentatus (Coleoptera, Scolytidae). 029227
Anatomical **repercussions** of light intensity on Virginia creepers Parthenocissus tricuspidata. 026434
Soybean **root** *anatomy* as influenced by soil bulk density. 025936
Effect of excessive moisture on the *anatomic* **structure** of the bark of Pinus sylvestris. 027320
Morphological-anatomic **study** of Pulsatilla violacea Rupr. And Pulsatilla aurea (N. Busch) Juz. during ontogenesis. 026038
Anatomical **study** of leaf lesions on three varieties of rice as a result of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Centrosperm studies. 8. Contribution to the morphology, *anatomy* and **systematic** position of Gymnocarpos Forsk. and Paronychia argentea Lam. (Caryophyllaceae). 025616
Study of the pollen in less succulent Mesembryanthemaceae **[Taxonomy,** *anatomy].* 025652
Unusual *anatomical* disposition with supernumerary rib and anomalous vertebra in ox (Bos indicus). 023446
Wood *anatomical* classification using iterative character weighing [Rubiaceae, numerical taxonomic studies]. 025576

ANAX
An exceptionally early and informative arrival of **adult** *Anax* junius in Ontario (Odonata: Aeshnidae). 029280

ANCISTROCLADUS
Absolute configuration of ancistrocladisine and ancistrocladidine *[Ancistrocladus* **heyneanus**]. 026633

ANDIGENA
The protein, non-protein and total nitrogen in Solanum tuberosum, ssp. *andigena* **potatoes.** 022878

ANDRENA
Study of the *Andrena* **carantonica** behavior during the blooming of the Golden Delicious apple trees [Apoidea, pollination]. 029741
A revision of the bees of the **genus** *Andrena* of the western hemisphere. VII. Subgenus Euandrena. 029704

ANDROGEN
Androgens in **testes** and adrenal glands of the fetal pig. 024133
Observations of additional divisions in pollen grains of homozygous wheat plants (Triticum aestivum L.) obtained by *androgenesis* in **vitro.** 026920

ANDROSTANE
Antiarrhythmic, Haemodynamic and metabolic effects of *3alpha-amino-5alpha-androstan-2beta-ol-17-one* **hydrochloride** in Greyhounds following acute coronary artery ligation. 023320

ANDROSTENE
A convenient biological synthesis of 19-hydroxy[4-14C] **[carbon** *isotope]4-androstene-3,17-dione* from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505

ANDROSTENEDIONE
Radioimmunoassay for bovine **plasma** *4-androstenedione* and result obtained at the time of pregnancy, parturition, and postpartum. 023566

ANEMIA
DNA synthesis in circulating erythroblasts of *anemic* **duck.** Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. 024069
An outbreak of equine **infectious** *anemia* in the Himeji Race Track and its control. 024484
Purification and study of the antigens of equine **infectious** *anemia* virus produced in vivo or in cell culture. 024495
Transmission of equine **infectious** *anemia* virus by Tabanus fuscicostatus. 024587
Equine **infectious** *anemia*—current research findings. 024721
Geographical and herd distribution of equine **infectious** *anemia* in Texas (1974). 024722
Equine **infectious** *anemia:* a new model of persistent virus infection [Horses]. 024842
The role of the infectious bursal agent and several avian adenoviruses in the *hemorrhagic-aplastic-anemia* **syndrome** and gangrenous dermatitis [Broilers]. 024451

ANESTHESIA
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the cerebral cortex of *unanesthetized* and **anesthetized** rats. 023184
Cardiovascular responses of the *anaesthetized* **cat** to lower body negative pressure. 023322
Effects of carotid hypotension on aortic hemodynamics in the *unanesthetized* **dog.** 023207
Epidural *anaesthesia* in donkeys. 024379
Modification of respiratory center output in the *unanesthetized* **fetal** sheep "in utero". 023466
Halothane *anaesthesia* of normal and dystrophic hamsters. 024339
A technique for measurement of retrograde coronary blood flow in **intact** *anesthetized* dogs. 023458
Genus Crotalaria. XIX. Preparation of **local** *anaesthetic* **agents** [Heliotropium]. 026608
Neuroleptanalgesic drug combinations in the *anaesthetic* **management** of small laboratory animals. 024341
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the cerebral cortex of unanesthetized and *anesthetized* **rats.** 023184
Changes in the acid base status of **sheep** *anaesthetised* with a combination of atropine sulphate acepromazine and ketamine hydrochloride. 024296

ANESTRUS
Anestrus in **dairy** cattle. 024062

ANETHUM
Effect of strong shock waves on dicotyledon seeds [Turnip, *Anethum* **graveolens,** cucumber, radishes]. 027166

ANEUPLOIDS
Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and *aneuploid* **formulas.** 029351
In vitro culture of wheat. III. Anther culture of the A **genome** *aneuploids* in common wheat. 026304
Aneuploids in **Trigonella** foenum-graecum. 026130

ANGELICA
Chemical composition of *Angelica* **[archangelica]** root oil [Flavors for **alcoholic beverages**]. 022368

ANGIOSPERMAE
Electron microscopical investigations of the Normapolles group and some other selected European and North **American** *angiosperm* [fossil] pollen. I. 025796
Germination-regulating mechanisms in **aquatic** *angiosperms.* II. Aeschynomene **aspera,** L. 026426
The role of subsidiary sperm cells in embryo sacs of *Angiospermae* for **investigating** the process of double fertilization. 026617
Response of the **marine** *angiosperm* Phyllospadix torreyi to certain environmental variables: a preliminary study [Salinity, light, temperature]. 026373
Contributions to the knowledge of the early development of the **microsporangium** in *angiosperms.* 026838
The role of *Angiospermae* **sperm** cells of different quality for investigating the process of double fertilization. 026186
Reduction of flowers as a central problem in the **systematics** of *angiosperms.* 025624
Changes in mineral contents of cotyledons and young seedlings of **woody** *angiosperms* [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310

ANGIOSTRONGYLUS
Development of *Angiostrongylus* **cantonensis** in rats, mice and guinea **pigs.** 024620

ANGIOTENSIN
Effects of an angiotensin inhibitor on adrenocortical response to *angiotensin* II, **ACTH,** and K [Adrenocorticotropic hormone, potassium, dogs]. 023206
Effects of histamine, vasopressin, and *angiotensin* II on **hepatosplanchnic** hemodynamics, liver function, and hepatic metabolism in cats. 023183
Effects of an *angiotensin* **inhibitor** on adrenocortical response to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, potassium, dogs]. 023206

ANGORA
Results of test matings with **pigmented** *Angora* goats. 023975

ANHYDRASE
Carbonic *anhydrase* levels in blue-green algae [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440

ANHYDROUS
Hay preservation and quality improvement by *anhydrous* **ammonia** treatment [Digestibility, cattle]. 023012
Using *anhydrous* **ammonia** in sugarcane. 030457

ANIMALS
Proceedings of the Federation of British Plant Pathologists, January 1974: Breakdown of control against pathogens of plants and *animals* **[Abstracts** of papers]. 028328
The importance of teratology in the *[animal]* **anatomy.** 024324
Naturally occurring double-stranded RNA and immune responses. III. Immunogenicity and **antigenicity** in *animals.* 024533
Pesticide residues in some **Baltic** *animals*—a review of selected literature. 029171
Bioconstitution, temperament and instinct in *animal* **behavior.** 023229
Thyroid activity as a selection criteria in *animal* **breeding** [Dairy cattle]. 023659
The Hermann Von Nathusius medal awarded to Prof. Dr. Edwin Lauprecht *[Animal* **breeding**]. 024291
Modern views on the etiology, epidemiology, diagnosis and pathology of urinary bladder **cancer** [in *animals].* 024863
Animal **[cattle]** health in a feedlot. 024345
Vaccine strain 19: its problems in *animals* **[cattle]** and man [Brucella abortus]. 024529
The varied effects of interferon on *animal* **cells.** 024541
The calculation of inbreeding **coefficients** *[Animals].* 024041
Comparative efficiency of *animals* in the **conversion** of feedstuffs to human foods. 023615
Influence of sex of the calf and order of lactation on reproductive efficiency in **dairy** *animals.* 024080
Bird and *animal* **damage** control in pecans. 028411
Animal **data** on plutonium toxicity. 024956
The use of *animal* **data** in derivation of [radiation] standards. 024958
Corneal **dermoids** in *animals.* 024913
Why *animal* **disease** research? 024941
Some *animal* **diseases** found in slaughterhouses [Cattle, buffaloes, swine]. 024346
The influence of frozen storage on the electrophoresis of serum protein in **domestic** *animals.* 023667
Interactions between ovarian steroids or progestagens and LH [luteinizing hormone] release **[Domestic** *animals].* 023988
Lutela regression in **domestic** *animals* [Cattle]. 023990
Ovulation and endocrine response after LH-RH [luteinizing hormone-releasing hormone] in **domestic** *animals* [Cattle]. 023993
Symposium on the Control of Sexual Cycles in **Domestic** *Animals,* October 27-30, 1974, Nouzilly. 023997
Some potential uses of prostaglandins in **domestic** *animals* [for controlling estrus in cows, mares and ewes]. 024043
Mycotic diseases [Aspergillus fumigatus] occurring in **domestic** *animals* in Ankara. 024598
Studies on Salmonella in **domestic** *animals.* I. Salmonella cultures isolated from dogs slaughtered in Gang-Weon Province. 024694
Review of cestodes [Anthelmintics, **domestic** *animals].* 024735
Leptospirosis in **domestic** *animals* in the south of Chile. A serological study. 024799
Dystocias [of **domestic** *animals]* seen in the Clinic of Ankara University Veterinary Faculty, Obstetric and Gynecology Department in the period of 1963-1973. 024861
Determination of polybrominated biphenyl residues in **dry** *animal* feeds. 029120
Toxicology of non-radioactive heavy metals and their salts [Nutritional and toxic **effects** on *animals].* 024951
X-ray enlargement modified for use in **experimental** *animal* science. 023581

Strobilocercus fasciolaris infection in the liver of albino mice (Swiss mice) used as **experimental** *animal.* 024599
The immune response to polysaccharides from yeast-like fungi in sensitized **experimental** *animals.* 024651
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for organo-phosphorous insecticide poisoning, men and **experimental** *animals].* 029087
Metabolic response of *animals* **exposed** to several atmospheric pressures [Rats]. 023635
Centers for improving product qualities of **farm** *animals.* 022693
The concept of spatial leadership in **farm** *animals:* an experiment with sheep. 023236
Electrophoretic variation of red cell enzyme systems in **farm** *animals.* 023237
Mathematical bases for analysing the growth of **farm** *animals.* 023269
On etiology of abortions in **farm** *animals.* 024385
Antigenic cross reactions between immunoglobulins of some **farm** *animals* and man. 024555
Antigenic cross-reactions between immunoglobulins of some **farm** *animals* and man. 024556
Recent developments in the handling and weighing of **farm** *animals* [Swine, equipment]. 030088
Potentialities of fur *[animal]* **farming** on reservoirs. 023168
Use of oats and *animal* **fat** in swine rations. 023903
Marketing of *animal* **fats.** 021512
European Community's use of vegetable oils gaining over *animal* **fats** [Consumption]. 021533
Interesterification and hydrogenation of *animal* **fats.** 022651
Refining of *animal* **fats.** 022653
Alternative sources of protein *[Animal* **feed].** 023062
Preservation of wet yeast for *animal* **feeding.** 023014
Laboratory control of *animal* **feeds.** 023013
Application of polarography to the determination of medicinal substances added to *animal* **feeds.** 023036
A method for separaing estrogens and phytoestrogens [in *animal* **fluids**] on Sephadex LH-20 columns. 023654
Determination of parathion-methyl and its metabolites in samples from *animals* and in **foodstuffs.** 021841
Trumps of **French** *animal* husbandry in a conjuncture favorable to export. 021622
Tests for association of gene frequencies at several loci in random mating diploid populations *[Animal* **genetics].** 024040
On convergent lines of similarity between fungi and some **groups** of *animals.* 026869
Essentiality of nickel for the **growth** of *animals.* 023952
50 years of the *Animal* **Health** Office of the Weser-Ems Agricultural Chamber. 024365
Animal **health** considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, Anaplasma, and Boophilus ticks]. 024720
Materials on Acaridae, the parasites of mountain rams and wild **hoofed** *animals* of Badkhyz. 029020
Design, construction, and working of an *animal* **house** in Scotland. 029942
Open-ocean farming of kelp for conversion to *animal* and **human** foods [Algae]. 022434
Antibiotic decontamination in *animals* and in **human** patients. 024536
A review of *animal* **husbandary** activities of the Department of Agriculture, Sri Lanka for the period 1940—1949. 023104
Animal **husbandry** on an industrial basis. 021346
Increase in effectiveness of *animal* **husbandry** by improving the structure of feeding [Costs, returns]. 021457
Stable feed basis for development of *animal* **husbandry** [Costs]. 021459
Prospects of *animal* **husbandry** development [in the Dzhizak province of the Uzbek SSR]. 021763
Animal **husbandry** and 1975 feed economy in the Rhineland Palatinate. 023129
Aspects of the *animal* **husbandry** of Lombardy. 023157
Maintenance people, number one influence factor in *animal* **husbandry** [Dairy cattle]. 023165
A comparative study of [sheep] body form, live and fleece weights of the Kivircik and different Texel crossbreds at **Inanli** *Animal* Breeding Research Station. 024110
Deeper collaboration in veterinary medicine among the Mutual Economic Assistance countries participating in **increasing** *animal* production and protection of human health. 024383
Role of lymphocytes in mycotic **infections** [of *animals].* 024540
Animal **influences** on Japanese pine [Pinus] seeds of the forest floor. II. Seed input and output of seedling with seed coat. 025039
Gomori-positive elementary granules in inner and outer layer of the **infundibulum** *[Animals].* 023358
Plutonium in mammals: influence of plutonium chemistry, route of administration, and physiological status of the *animal* on **initial** distribution and long-term metabolism. 023419
Cannibalism in natural populations **[Insects,** *animals].* 029231
Ecological aspects of *[animals,* **insects]** spatial orientation. 029232
Husbandry and observation methods of a breeding colony of marmosets (Callithrix jacchus) for behavioural research **[Laboratory** *animals.* 023131
Comparative study of the occurrence of placental prolactin among mammals **[Laboratory** *animals,* sheep, swine]. 023414
The Mongolian gerbil: qualitative and quantitative aspects of the cellular blood picture **[Laboratory** *animals].* 023579
Neuroleptanalgesic drug combinations in the anaesthetic management of small **laboratory** *animals.* 024341
XIIIth International Symposium on **Laboratory** *Animals,* Hruba Skala, April 23-25, 1975 [Avian immunology, abstracts of papers]. 024526
Pathogenicity for several **laboratory** *animals* of Toxoplasma oocysts originated from naturally infected cats. 024656
Eimeria falciformis (Eimer, 1870) in specific pathogen freeand gnotobiotic mice **[Laboratory** *animals].* 024661
Chloramphenicol or tetracycline as antibiotics in selective media for studies on fungi **[Laboratory** *animals].* 024730
Parasites of domestic and **laboratory** *animals* in the Netherlands. 2. [Parasitic worms, insect pests]. 024733
Response of **laboratory** *animals* to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to control Aeschynomene virginica in rice]. 028495
Questions about the extreme geochemical ecology of *animals* **[livestock,** sheep] in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. 023947
Clinical aspects and problems of fusarioses in *animals* in **livestock** production. 024990
Choice of mating partners by **male** *animals.* 024227
Hormology with inorganic compounds [Nutritional and toxic effects on **man** and *animals].* 021873
Distribution of ascorbic acid, metabolites and analogues in **man** and *animals.* 022031
Comparison of free amino acids in blood serum of men and *animals.* II. **Man,** rabbit, guinea-pig, swine. 023676
Leptospirosis in San Martin, Peru **[Man,** *animals].* 024464
Preliminary serological survey of brucellosis in *animal* and **man.** 024550
Studies on brucellosis. III. Comparison of various serological tests **[Man,** *animals].* 024553
Organochlorine compounds in the general population of the seventies and some of their biological effects (in **man** and *animals).* 029170
Use *animal* **manure** effectively! [Cotton fertilizer]. 030430
The prevalence of sarcosporidiosis [Sarcocystis] in Australian **meat** *animals* [Sheep, cattle, swine]. 024433
Functional interrelations of vitamins E and K in *animal* **metabolism** [Nutrition]. 023945
Use of quill comb in the diagnosis of ectoparasites [Fleas, lice, Cheyletiella and forage **mites,** *animals].* 029075
Detection of twelve mycotoxins in **mixed** *animal* feedstuffs, using a novel membrane cleanup procedure. 023044
The cockerel as an *animal* **model** for atherosclerosis research [Cholesterol diet]. 021991
Distribution and succession of the gastrointestinal microbiota in **monogastric** *animals.* 023425
New *animal* [Japanese quail] model for atherosclerosis research. 024813
Present questions on the biochemistry of vitamin E [Human and *animal* **nutrition].** 022217
Animal **nutrition** research in Trinidad & Tobago: a review and commentary. 023753
Growth factors, of course, but first rearing conditions *[Animal* **nutrition].** 023789
Induced research on the problem of proteins for human and *animal* **nutrition** in France. 023803
Aspects and problems of *animal* **nutrition:** investigations and reflections on the use of rapeseed meal. 023925
Aspects and problems of *animal* **nutrition:** investigations and reflections on the use of rapeseed meal. 023926
Vitamin E, selenium and amino acids containing sulfur *[Animal* **nutrition].** 023949
Reversed osmosis and its application to the technology of foods of *animal* **origin.** I. The receiving of cheese milk proteins and their utilization in the making of Feta cheese. 022577
Comparative investigation of life cycles of ticks Hyalomma asiaticum asiaticum and Hyalomma anatolicum excavatum **[Parasites,** *animals].* 029390
The effect of A tremorgenic mycotoxin **(Penitrem** A) on *animals.* 024960
European rabbit invades western Argentina *[Animal* **pests].** 028387
Determination of the diet of **phytaphagous** *animals* based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Application to food selection by Orthoptera, Acridiida. 029263
Determination of the diet of **phytophagous** *animals,* based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of silica bodies based on scanning. 025883
Preformed mRNA and the programming of early embryo development [Includes *animals* and **plants].** 023198
Action of exogenous DNA on the eucaryotic organism and its cells *[Animals,* **plants].** 024060
Environmental pathways of plutonium into terrestrial **plants** and *animals.* 024957
[Scandium] occurrence in living systems **[Plants,** *animals].* 026598
Our disappearing natural environment: the case of Hong Kong **[Plants** and *animals].* 030922
Histochemical and palatability properties of muscle longissimus from stress-resistant and stress-susceptible **porcine** *animals.* 023455
Exploitation of some wastes of vegetable oils as sources of vitamin E in *animal* and **poultry** husbandry. 023944
New inhibitors of methane production by rumen micro-organisms. Experiments with *animals* and other **practical** possibilities [Sheep]. 023318
The urinary bladder: neurogenic or nonneurogenic **problem** [in *animals.* 024840
The economic reasibility of **processed** *animal* waste [Feed]. 023081
Situation of the mixed feed market and *animal* **production.** 021594
Communication of *animal* **production** informant: an adviser's viewpoint. 023140
The result and development of socialist science and research in the field of *animal* **production.** 023160
The present status of applied reproductive physiology in *animal* **production** [Sheep]. 024188
Waste cellulose as an energy source for *animal* **protein** production [Feed]. 023080
The possible presence of *animal* **proteins** in food paste [Analysis]. 022376
Using body size to understand the structural design of *animals:* **quadrupedal** locomotion [Mice, horses]. 023475
Phase maps for particles and microorganisms in *animal* **quarters** [for physiological parameters]. 023578
Odor emmisions from *animal* **rearing** units. 030973
Isolation of foot-and-mouth disease virus from **recovered** *animals* [Cattle, goats, sheep, buffaloes]. 024564
Controlling *[animal]* **rendering** plant odors. 030916
Environmental influences on ascorbic acid **requirements** in *animals.* 023242
Gnotobiotic [laboratory] *animals* in **research:** their uses and limitations. 023130
Metabolism and toxicity of cadmium, mercury, and lead in *animals:* a **review.** 024969
Telling the story of *animal* **science** to the student [Livestock husbandry]. 023126
Telling the story of *animal* **science** to the consumer [Livestock husbandry]. 023127
Telling the story of *animal* **science** to the legislatures [Livestock husbandry]. 023128
Responses of isolator-derived Japanese quail and quail cellcultures to **selected** *animal* viruses. 024593
Suturable gastrointestinal cannulas for *animals* of various **sizes** [Rabbits, rats, dogs]. 023474
Production of crude fats from **slaughter** *animals* and its technical significance in the production of meat products. 022652
Intracutaneous test for determining swine brucellosis, a contribution for **slaughter** *animal* study in original stocks. 024727
An automatic, closed-circuit oxygen consumption apparatus for **small** *animals.* 023459
Small *animal* literature index [Veterinary medicine]. 024335
The Journal of **Small** *Animal* Practice [Veterinary periodicals]. 024336
Small *animal* clinical otology instrumentation. 1. 024392
Modes of *animal* **speciation** [Insects]. 029233
Studies of the hypothalamus and the pituitary gland, with special reference to the effects of transection of the pituitary **stalk** [Includes *animals].* 023177
Causes of calcinosis in cattle kept in the *soil-fertilizer-pland-animal* **system** [Poisonous plants, Trisetum flavescens]. 024942
Evidence of relationship between hydroxyproline and essential amino acid contents in *animal* **tissue** proteins. 023670
Dynamic mechanical measurements during the life to death transition in *animal* **tissues.** 023314
A screening method for determining nitrofuran drug residues in *animal* **tissues.** 024968
Fluorimetric and gas-chromatographic determination of selenium in biological substances [Human and *animal* **toxicity].** 022216
Ascorbic acid requirements and metabolism in relation to organochlorine pesticides **[Toxicity,** *animals].* 023241
The value of an A.U.M. *[Animal* **unit** month] of grazing [Land use]. 021213
Studies from the Birmingham Dogs Home. 1. The problem of resettling stray and **unwanted** *animals.* 2. The effect of distemper vaccination upon disease incidence. 024618
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in **vaccinated** *animals* [Buffaloes, rabbits]. 024567
Vertebrate *animal* populations of the McCormick Forest [Michigan]. 025069
Synthesis and some major functions of **vitamin** C in *animals.* 023243
A telemetric aid in establishing the cause of death in semidomesticated or **wild** *animals* [Reindeer]. 024292
Crises, consequences and challenges for the New **Zealand** *animal* production industry [Demands, markets]. 021619

ANIONS

Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by *anion* **exchange** chromatography. 023378

ANISOTA

Persistence of spores of Pleistophora schubergi (Cnidospora: Microsporida) in the field, and their application in microbial control *[Anisota* **senatoria,** Symmerista canicosta, Quercus pests]. 028948

ANKLE *see* TARSUS

ANKYLOSIS
Coronet **joint** *ankylosis* in the horse. 024909

ANNONA
The **soursop** *(Annona* muricata L.) [Culture]. 027833

ANNONACEAE
Isolation of lanuginosine from a Malagassy species of *Annonaceae,* **Xylopia** lemurica. 026745

ANNUALS
Growing **flowering** *annuals* [Ornamental plants, culture]. 027755

ANOMALA
New Rutelidae from India *[Anomala* **hirticollis,** Prodoratus maculithorax]. 029573
Two new Anomala [keralensis, *Anomala* **minutissima]** species (Coleoptera, Melolonthidae, Rutelinae). 029577

ANOPHELES
Evaluation of newly synthesized insect growth regulators against Anopheles quadrimaculatus, *Anopheles* **albimanus,** and Aedes taeniorhynchus. 029041
Pupal pleomorphism in a strain of *Anopheles* **albimanus** from El Salvador. 029054
Establishment and recycling of a mermithid nematode [Reesimermis nielseni] for the control of mosquito larvae *[Anopheles* **crucians].** 029040
Chromosome studies of Oriental anophelines. IV. Polytene chromosomes of *Anopheles* **fluviatilis.** 029036
The efficiency of some organophosphorousinsecticides as ovicidal substances for the "maculipennis" **group** *[Anopheles].* 028996
Contribution to the study on the biology of the *Anopheles* **hyrcanus** species from the Danube delta. 028995
Genetic studies on mechanisms influencing the susceptibility of *anopheline* **mosquitoes** to plasmodial infection [Plasmodium gallinaceum, Anopheles stephensi]. 029044
Chromosome studies of **Oriental** *anophelines.* IV. Polytene chromosomes of Anopheles fluviatilis. 029036
Chromosome studies of **oriental** *anophelines.* III. The salivary gland chromosomes of Anopheles subpictus. 029482
Evaluation of newly synthesized insect growth regulators against *Anopheles* **quadrimaculatus,** Anopheles albimanus, and Aedes taeniorhynchus. 029041
Ultralow volume ground aerosols of propoxur (Baygon MOS) for control of adult mosquitoes [Aedes taeniorhynchus, *Anopheles* **quadrimaculatus].** 029056
Comparison of two aerosol generator nozzle systems: estimates of droplet size and caged mosquito assays [Aedes taeniorhynchus, *Anopheles* **quadrimaculatus].** 029968
Epidemiological studies on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the bionomics of the vector [Brugia malayi, *Anopheles* **sinensis].** 029039
Failure of *Anopheles* **stephensi** Liston to transmit human plasmodia mechanically. 029042
Genetic studies on mechanisms influencing the susceptibility of anopheline mosquitoes to plasmodial infection [Plasmodium gallinaceum, *Anopheles* **stephensi].** 029044
Intraspecific competition [as a populaton regulatory mechanism] in *Anopheles* **stephensi** Liston. 029046
Chromosome studies of oriental anophelines. III. The salivary gland chromosomes of *Anopheles* **subpictus.** 029482

ANOPLOCEPHALIDAE
In vitro hatching of the tapeworm Moniezia expansa (Cestoda: *Anoplocephalidae)* and some **properties** of the egg membranes [Sheep]. 024789

ANOREXIA
Effects of mazindol *[anorectic* **agent]** on carbohydrate and insulin metabolism in obesity. 022160
Important role of tryptophan on albumin synthesis in patients suffering from *anorexia* **nervosa** and hypoalbuminemia. 022002

ANOXIA *see* HYPOXIA

ANTELOPES
Predominant psychrotrophic bacteria on fresh and aged ground **beef** and *antelope.* 021960

ANTENNA
The immature stages of Paradasyhelea minuta Wirth and Lee with a note on **adult** *antennal* sensilla and a discussion on the relationships of the genus Paradasyhelea Macfie. 029611
Sense organs on the *antennal* **flagellum** of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, Bittacus chlorostigma]. 029387
Insect *antennae* with special reference to the mechanism of scent detection and the evolution of the sensilla. 029386
Uptake of the sex pheromone 3H [hydrogen isotope] bombykol and related compounds by male and female Bombyx **[mori]** *antennae.* 029840

ANTHELMINTICS
Screening of indigenous plants for *anthelmintic* **action** against human Ascaris lumbricoides. II. [Plant extracts]. 026610
Oxibendazole: **critical** *anthelmintic* trials in equids [Horses]. 024754
Review of cestodes *[Anthelmintics,* **domestic** animals]. 024735
Anthelmintic **effect** of 'Trodax' (M & B) in sheep [Haemonchus contortus]. 024560
Anthelmintic **efficiency** of Mebendazole premix on gastrointestinal and lung helminthiases of sheep. 024759
Cambendazole paste as an *anthelmintic* in **horses.** 024775
Concerning the toxicity of parbendazole (Helmatac 30) to horses and **ponies** *[Anthelmintics].* 024732
Effect of *anthelmintic* and **selenium** drenching on live-weight gain in young beef cattle. 024652
Evaluation of pyrantel pamoate *[anthelmintic]* against **strongyles** in horses. 024705
Residual group *[Anthelmintics,* **veterinary** medicine]. 024734

ANTHERAEA
Comparison between the zymograms of two insect cell lines: *Antheraea* **eucalypti** and Malacosoma disstria (Lepidoptera). 029261
The cocoon spinning behaviour of the Chinese oak silkworm, *Antheraea* **pernyi.** 029726
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of *Antheraea* **polyphemus** (Lepidoptera). II. Changes after motor nerve section. 029294
Sex pheromone of the moth, *Antheraea* **polyphemus.** 029417

ANTHERS
Studies on the haploid method of breeding by *anther* **culture** in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
In vitro culture of wheat. III. *Anther* **culture** of the A genome aneuploids in common wheat. 026304
New results on *anther* **culture** of wheat (triticum aestivum L.) in vitro: conditions of regeneration of haploid plantletsand production of homozygous lines. 026919
Caryological studies in *anther-derived* **haploids** of Nicotiana tabacum L. [Tobacco]. 026104

ANTHICIDAE
A revision of Tanarthrus Leconte with a presentation of its mid-Cenozoic speciation **(Coleoptera:** *Anthicidae).* 029706
Additions to the nearctic Anthicus (Coleoptera: *Anthicidae)* [New taxa]. 029654

ANTHOCORIS
Entomophagous insects of the apple leaf moth [Natural control, Apanteles, **Sympiesis,** *Anthocoris].* 028905

ANTHOCYANINS
The *anthocyanins.* 026582
Study on pigments of Acalypha leaves: influence of water content in acetone solutions on *anthocyanins* and **chlorophylls.** 026705
Anthocyanin **inheritance** in petals of flax, Linum usitatissimum. 026230
Kinetics of the thermal degradation of the *anthocyanins* **pelargonidin-3-glucoside** and cyanidin-3-glucoside [Food research]. 022522

ANTHONOMUS
Boll weevil *[Anthonomus* **grandis]** oviposition behavior: multiple punctured squares [Cotton lines]. 028726
Phenotypic deviants in the ebony genotype in the boll weevil [Cotton pests, control] *[Anthonomus* **grandis].** 028752
Suppression of the boll weevil *[Anthonomus* **grandis]** with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] methyl parathion [on cotton]. 028755
Dispersal of marked boll weevil *[Anthonomus* **grandis]:** 19701973 studies. 029217
Simulation of temperature-dependent development in population dynamics models *[Anthonomus* **grandis,** Trichoplusia ni, Heliothis zea]. 029288

ANTHOTHECA *see* THECA

ANTHRACNOSE
The results of testing some fungicides against *anthracnose* of **citrus** crops [Colletotrichum gloeosporioides]. 028099
Anthracnose **[Colletortichum** glycines] of soybeans. 028002

ANTHRAQUINONES
Two **new** *anthraquinones* from the roots of Digitalis orientalis. 026770

ANTHRAX
Dealing with *anthrax* **[Livestock,** infectious diseases]. 024667
Presence of sporadic cases of *anthrax* in **swine** in north Wurttemberg. 024729

ANTHURIUM
Influence of climatical conditions on growth and flower yield of *Anthurium* **andreanum.** 027609
Economic aspects of cultivation and sale of **cut** *Anthurium* [andreanum, costs]. 021431

ANTIBACTERIAL *see* BACTERICIDES

ANTIBIOTIC
The development of **agricltural** *antibiotics* in Japan [Plant regulators, herbicides, insecticides, fungicides]. 026596
Agricultural *antibiotics* [Control of fungal and bacterial plant diseases]. 027963
Agricultural *antibiotics* in India [Control of fungal and bacterial plant diseases]. 027964
The development of **agricultural** *antibiotics* [biodegradable pesticides] in **Japan.** 029098
The response of growing rats to a diet supplemented with the *antibiotic* **ampicillin.** 023786
New herbicides derived from an *antibiotic,* **anisomycin.** 028519
Swine diseases: behavior of kanamycin in the swine **clinic** *[Antibiotics].* 024698
Antibiotic **decontamination** in animals and in human patients. 024536
Effect on subsequent feedlot performance of rotating or withdrawing **dietary** *antibiotics* from swine growing and finishing rations. 023762
Residues of *[antibiotic]* **drugs** in eggs after medication of laying hens for eight days. 021832
Relative value of [Eimeria] oocyst counts in **evaluating** *anticoccidial* activity [Chickens]. 024447
Suppressive effects of *antibiotics* on **experimentally** inoculated Staphylococcus aureus populations on the skin of poultry. 024459
Determination of *antibiotics* in **feeds.** 023050
Antibiotic **fermentation,** and their regulation [Fungi, bacteria]. 026325
Validamycin, a **new** *antibiotic* for Rhizoctonia disease control [Sheath blight, rice]. 027986
Tetranactin, a **pesticidal** *antibiotic* [Control of insect andmite pests of plants]. 028373
Proof of *antibiotics* in **raw** milk. 022605
The effect of *antibiotics* on **RNA** biosynthesis in tissues of silkworm [Bombyx mori L.) chrysalis during metamorphosis. 029799
Chloramphenicol or tetracycline as *antibiotics* in **selective** media for studies on fungi [Laboratory animals]. 024730
Sulphonamide *antibiotic* control of Malameba locustae (King & Taylor) and its effect on grasshoppers. 029199
Comparative action of **systemic** *antibiotics* against Clitocybe mellea, parasite of spermatophytes. 027913
The effect of membrane-active substances and *antibiotics* with a **systemic** action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, Botrytis cinerea]. 028026
Cuprimyxin, a new **topical** *antibiotic* [Dogs, cats]. 024777
Residues in milk, blood serum and urine after intrauterine administration of *antibiotic* **trade** preparations to puerperal cows. 024995
Ultraviolet-mediated *antibiotic* activity of thiophene compounds of Tagetes [patula, photoxic to Candida albicans]. 026772

ANTIBODIES
Cross-reactivity patterns of IgM and IgG **anti-lipopolysaccharide** *antibodies* in individual mice. 024513
Further studies on the occurrence of *antibodies* against **C-type** virus specific antigen in sera of cattle from leucosis-infected, suspicious and unsuspicious herds. 024797
Indirect complement fixation in foot and mouth disease (detection of foot and mouth **disease** *antibody* in cattle serums using inactivated concentrated foot and mouth disease viral antigens.). 024674
On the antigenic structure of vibrions studies by means of the agglutination reaction and **fluorescent** *antibodies* [isolated from swine]. 024413
Application of the direct **fluorescent** *antibody* technique for the detection of Salmonella in the mesenteric lymph nodes of normal slaughter pigs. 024416
Studies on serological diagnosis of Korean cattle Babesia strain by the indirect **fluorescent** *antibody* test [Babesiosis]. 024695
The organization, expression, and evolution of *antibody* **genes** and other multigene families. 024023
Humoral *antibody* response to cattle to formalinized Staphylococcus aureus vaccine. 024496
Distribution of the hemagglutination **inhibition** *antibodies* against porcine parvovirus among swine. 024686
Immunoglobulins, *antibodies* and **inhibitors** of parainfluenza 3 virus in respiratory secretions of sheep. 024422
Antitoxic immunity in experimental cholera: protection, and serum and **local** *antibody* responses in rabbits after enteral and parenteral immunization. 024569
Immunoglobulin class specificity of **non-agglutinating** *antibody* produced in cattle following Brucella abortus 45/20 vaccination. 024431
The role of intestines in the formation of **normal** *antibodies* at early stages of individual development of mammals [Includes livestock]. 023680
Determination of subgroup-specific feline **oncronavirus-neutralizing** *antibody.* 024572
Structural and thermodynamic basis of affinity in anti-dinitrophenyl [Rabbits, goats, guinea **pigs]** *antibody.* 024462
Antigenic determinants of bovine myelin encephalitogenic protein recognized by **rabbit** *antibody* to myelin encephalitogenic protein. 024588

Studies of leucosis and **specific** *antibodies* in sera of leucotic cattle and sheep by immuno and countercurrent electrophoresis. 024805
Antibody **suppression** by cadmium [Mice, toxicity]. 024939
Antibody **survey** of infectious bovine rhinotracheitis (IBR) virus in Korean native cattle. 024685
Antibodies against **Venezuelan** equine encephalomyelitis virus in accidental human infections in Argentina. 024527

ANTICOAGULANTS *see* COAGULANTS

ANTICOCCIDIAL *see* ANTIBIOTIC

ANTIDOTES
Herbicide *antidotes*—a new concept in weed control. 028557

ANTIFUNGAL *see* FUNGICIDES

ANTIGEN
Naturally occurring double-stranded RNA and immune responses. III. Immunogenicity and *antigenicity* in **animals.** 024533
Influence of culture conditions on grôwth of FL-74 cells and feline oncornavirus cell membrane **associated** *antigen* production. 024542
Suppression of immune responses to sheep red **cell** *antigens* in rats preimmunized with heterophilic antigen: cellular events. 024518
The *antigen* **composition** of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of maize] strains that are distinct in nuclear ploidy and pathogenicity. 028025
Antigenic **cross** reactions between immunoglobulins of some farm animals and man. 024555
Antigenic **cross-reactions** between immunoglobulins of some farm animals and man. 024556
Antigenic **determinants** of bovine myelin encephalitogenic protein recognized by rabbit antibody to myelin encephalitogenic protein. 024588
Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia **enterocolitica** *antigens* [Mice]. 024479
Purification and study of the *antigens* of **equine** infectious anemia virus produced in vivo or in cell culture. 024495
Gene dosage and *antigenic* **expression** on the cell surface of bovine erythrocytes. 024403
The expression of avian **Gs** *antigen* in mammalian Rous sarcoma virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
Suppression of immune responses to sheep red cell antigens in rats preimmunized with **heterophilic** *antigen:* cellular events. 024518
Histocompatibility *antigens* and genetic control of the immune response in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514
Antigenic **independence** of some microbial urate oxidases [Fungi, bacteria, yeasts]. 026611
Studies on the experimental production of chronic erysipelas in swine. 2. Studies with a **live** *antigen* in order to standardize a model disease. 024807
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of *antigen-induced* **lymphocyte** proliferation by anti-receptor alloantisera. 024514
Multiple *antigenic* sites on an eicosapeptide. I. Precipitin studies in the goat. 024532
An *antigen* in **normal** avian cells which confuses virological and serological tests [Chickens]. 024454
Studies on the distribution of *antigenic* **sites** on the surface of rabbit spermatozoa. 024098
Further studies on the occurrence of antibodies against C-type virus **specific** *antigen* in sera of cattle from leucosis-infected, suspicious and unsuspicious herds. 024797
Studies on **sperm** *antigenicity.* IV. Lymphocyte cytotoxicity in cell-mediated response to homologous spermatozoa [Guinea pigs]. 024517
Antigenicity of **Staphylococcus** aureus in rabbits. 024544
Antigenic **structure** of the cyanogen bromide peptide F-CB3 from [bovine] fibrinogen alpha-chain. 023391
On the *antigenic* **structure** of vibrions studies by means of the agglutination reaction and fluorescent antibodies [isolated from swine]. 024413
Preparation of Newcastle disease virus hemagglutination-inhibition **test** *antigen* [Chickens]. 024446
Correlation of polypeptide composition with *antigenic* **variation** in the swine vesicular disease and coxsackie B5 viruses. 024659
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth disease **viral** *antigens.).* 024674

ANTIMETABOLITES *see* METABOLITES

ANTIOXIDANTS *see* OXIDANTS

ANTIPARASITIC *see* PARASITES

ANTIRRHINUM
Ultrastructural characteristics of embryo cellular walls obtained from protoplasts of *Antirrhinum* **majus.** 026065
The effect of morphactin on the nutrient concentration of snapdragons *[Antirrhinum* **majus**]. 027190

ANTISERUM
Hemorrhagic enteritis of turkeys. *Antiserum*—**efficacy,** preparation, and use. 024438

ANTITOXIC *see* TOXICITY

ANTITRANSPIRANT *see* TRANSPIRATION

ANTIVIRAL *see* VIRUSES

ANTIVIRUS
Preliminary studies on the viricide and *antivirus* **action** of some medicinal plants of the Congo, Brazzaville. 026785

ANTS
Trial-following by the **army** *ant,* Neivamyrmex nigrescens: responses by workers to volatile odors. 029223
Carpenter *ant* (Formica ligniperda Latr.) against Colorado beetle [Biological control]. 028954
Investigations on sexual production in the **dulotic** *ant,* Harpagoxenus sublaevis (Nyl.) (Hymenoptera, Formicidae). 029377
Xanthene dye-sensitized photooxidation in the black imported **fire** *ant,* Solenopsis richteri. 028646
Preliminary investigation on the effects of mirex and its derivatives on adenosine triphosphatase activities from **fire** *ants* [Solenopsis richteri]. 029021
Major and trace element analysis in red imported **fire** *ant* [Solenopsis invicta] queens by ion induced X-ray fluorescence. 029357
A chemical influence of *ants* [**Formica** fusca] on wing development in aphids [Aphis fabae]. 029323
Productivity of the *ant* **Formica** dakotensis in a spruce [Picea] bog. 1. Observed and estimated densities of the colonies. 029381
An evidence of colour-differentiating ability of the *ant* **Formica** sanguinea. 029516
The importance of *ants* [**Formicidae**] for West German apiculture. II. 029762
Activity of faecal fluid of a **leaf-cutting** *ant* [Atta colombica tonsipes] toward plant cell wall polysaccharides. 029404
The larvae of *ant* **lions** (Planipennia: Myrmeleontidae) from France [Identification]. 029539
Some notes on the aggressive behavior of the *ant* **Messor** barbara L. 029382
Larval recognition by workers of the *ant* **Myrmica** [rubra, Myrmica scabrinodis]. 029210
Caste determination through a queen influence on diapause in larvae of the *ant* **Myrmica** rubra. 029327
How insects navigate? Bees and *ants* **orient** themselves by the polarization pattern of the sky. 029500
A view on some points of Italian students of biogeography expressed by C. Baroni Urbani [on the *ants* of the **Pontian** Islands]. 029360
New data on the ecology of the *ant* **Proformica** ferreri Bondroit., with special reference to nurse workers. 029378
Contribution to the study of the biology and polygyny of the *ant* **Tapinoma** simrothi phoenicium Emery. 029262
Introduction of a predacious red **wood** *ant,* Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925
Taxonomic implications of doryline **worker** *ant* morphology: Cheliomyrmex morosus (Hymenoptera: Formicidae). 029534
Study on teratological changes in *ant* **workers** of Formica rufa group (Hymenoptera, Formicidae). 029383

AORTA
Determination of the quantitative relationship between time varying work load and *aortic* **blood** flow and heart rate in the dog. 023549
Aortic **body** tumor in a dog. 024847
Effects of carotid hypotension on *aortic* **hemodynamics** in the unanesthetized dog. 023207
Aortic **heterografts.** Electron microscope study [Swine]. 023604
Effects of lipids on the stability of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of **isolated** *aortic* and. 023403
Rabbit *aortic* endothelial and medial histamine synthesis following short-term chloesterol feeding. 023404
[Escherichia coli] endotoxin-induced endothelial injury andrepair. I. Endothelial cell turnover in the *aorta* of the **rabbit.** 024520
Effects of metiamide on distribution of 14C[carbon isotope]-histamine in *aortic* **smooth** muscle [Rabbits]. 023261

APANTELES
Activity of juvenile hormone analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, *Apanteles* **melanoscelus**] of the gypsy moth [Porthetria dispar, pest control]. 028644
Gypsy moth [Porthetria dispar] kairomones influencing behavior of the parasitoids Brachymeria intermedia and *Apanteles* **melanoscelus.** 028932
Entomophagous insects of the apple leaf moth [Natural control, *Apanteles,* **Sympiesis,** Anthocoris]. 028905

APERTURE
Aperture in the **exine** and external intine of the pollen of Juniperus chinensis L., and Juniperus communis L. 026045

APEX
Ultrastructural study of asci: wall, *apical* **apparatus,** ascospore wall in inoperculate Discomycetes and Hysteriales [Fungi]. 026041
Variation of *apical-meristem* **cell** size in mutant peas. 026147
Differentiation of *apical* **cells** in callus of Pteris creticaL. cultivated in vitro. Acquistion of secific characters. 025967
Influence of powdery mildew [Erysiphe graminis] on mitotic cell division of *apical* **root** meristems of barley. 028046
Navicula fucicola sp. Nov., a diatom living in the *apical* **slit** of Fucus vesiculosus L. (Phaeophyceae) [Algae]. 025815
On the *apical* **structure** of the rhizomorph of Sphaerostilbe repens B and Br. (Ascomycetes) [Fungi]. 025970
A comparative study on the evolution of lipids and starch reserves at the the *apex* of **Taxus** baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879
The *apical* **tibial** spur formula in the termite genus Odontotermes Holmgren (Isoptera: Termitidae: Macrotermitinae). 029597
First results obtained in the aseptic culture of *apical* **tissues** of apple rootstocks. 027717
Distribution of starch in the **vegetative** *apex* of the maize shoot. 026948

APHELANDRA
Survival of hemispherical scale [Saissetia coffeae, a pest of *Aphelandra* **squarrosa**] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticdes. 028853

APHELENCHOIDES
The influence of temperature on the ability of *Aphelenchoides* **besseyi** to survive dehydration [Rice, nematodes]. 028405

APHELENCHUS
Chemical stimuli for feeding by [nematode] *Aphelenchus* **avenae** [Rhizoctonia solani, Caenorhabditis briggsae]. 028400

APHIDIDAE
A comparison of the reproductive patterns of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: *Aphididae)* [**Broadbean** pests]. 028715
Polymorphism and sensitivity to a juvenile hormone analogue in the potato aphid, Macrosiphum euphorbiae (**Homoptera:** *Aphididae).* 028838
The genus Myzodium with the description of Myzodium knowltoni, new species (**Homoptera:** *Aphididae).* 029660
The behaviour of aphids *[Aphididae]* as **influenced** by different plant species and their chemical treatment, related to the percentage of piercing specimens and to the short-term probes. 028638
The establishment of Coccinella septempunctata L. In the continental United States *[Aphididae* **predators,** biological control]. 028642

APHIDS
The behaviour of *aphids* [**Aphididae**] as influenced by different plant species and their chemical treatment, related to the percentage of piercing specimens and to the short-term probes. 028638
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on *aphid* [**Aphis** craccivora] probing behavior and virus transmission efficiency [Cowpeas]. 028771
A chemical influence of ants [Formica fusca] on wing development in *aphids* [**Aphis** fabae]. 029323
Aphids as **components** of the cotton field biocenosis [Pests]. 028803
[Chemical] preparations against *aphids* [**Cotton** pest control]. 028767
Evaluation of some insecticidal combination against sucking pests *[aphids,* **mites**] of cotton through aerial spraying. 028718
Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and **pea** *aphid* [Acyrthosiphon pisum]. 028663
A modified technique for rearing of the **pea** *aphid* [Acyrthosiphon pisum] on artificial diets. 029324
Weeds in orchards as important alternate sources of green **peach** *aphids* [Myzus persicae] in late spring. 028855
Polymorphism and sensitivity to a juvenile hormone analogue in the **potato** *aphid,* Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of *aphids]* on **pulverized** drone honeybee [Apis mellifera] brood. 029258
Key to the European species of Brachycaudus, subgenus Acaudus (Homoptera, *Aphidoidea),* with **redescriptions** and a note on Brachycaudus persicae. 029702
Composition of triglycerides from *aphids* of **six** different families and from different seasonal forms of Aphis evonymi. 029407

A **strange** *aphid* form [Monelliopsis nigropunctata from leaves of carya tomentosa]. 029653
Aphid **transmission** and epidemiology of barley yellow dwarf and maize dwarf mosaic in southern France. 028696
Problems and possibilities for control of BYDV [barley yellow dwarf virus] in Britain *[Aphids,* **vectors**]. 028162

APHIS
Effects of alarm pheromones [of *Aphis* **craccivora** or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. 028771
Composition of triglycerides from aphids of six different families and from different seasonal forms of *Aphis* **evonymi**. 029407
A chemical influence of ants [Formica fusca] on wing development in aphids *[Aphis* **fabae**]. 029323

APHODIINAE
New *Aphodiinae,* Hybosorinae, Bolbocerinae and Orphninae (Coleoptera, Scarabaeidae). 029678

APHYLLA
Study of oxoaphyllidine [**Anabasis** *aphylla].* 026504

APHYLLOPHORALES
The collection of fungi in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, *Aphyllophorales,* **Tulasnellales,** Dacrymycetales, Auriculariales, Tremellales. 025745

APIARIES
Breeding and evaluation of the results of a **test** *apiary* and the prospects for success [Apis mellifera]. 029848

APICULTURE
Profitability of *apiculture* **based** on breeding. 029759
A combined swarm and all-purpose box *[Apicultural* **equipment**]. 029763
A simple solar wax extractor *[Apicultural* **equipment**]. 029764
Forest *apiculture.* 029845
Growth of *apiculture* in the **Frankfurt** area. 029785
The importance of ants [Formicidae] for West **German** *apiculture.* II. 029762
A few words on the melizitoze producer [Cinara pilicornis] on the spruce **[Honeydew,** *apiculture].* 029248
Apiculture in **Hungary**. 029772
Apiculture in **Madagascar**. 029746
Migratory *apiculture* and its laws and regulations. 029850
Notes on *apiculture.* III. **Nuclei.** 029856
Anton Janscha, a **pioneer** in *apiculture.* 029760
Contributions from the Kirchhain Station for *Apiculture:* the **problem** of inbreeding effects in the bee [Apis mellifera]. 029860
Information trips to the institutes in Freiburg, Hohenheim, Oberursel and Kirchhain *[Apiculture,* **research** programs]. 029849

APICULTURISTS
Beehive for the *apiculturist* in **delay**. 029758
The *apiculturist* and his **insurance** (1966/1976) [Austria]. 029769
Bumblebees [Bombus] as guests of the *apiculturist* **[Rearing]**. 029368

APIDAE
Contribution to the study of Melipona beecheii B. (Hymenoptera, *Apidae),* a **bee** of Mexico: caste determination in the Meliponini. 029740
Larvae of the *Apidae* **(Hymenoptera,** Apoidea). I. Apini, Apis. 029666
Sex determination in bees. V. The action of sexual genes in Apis mellifera **(Hymenoptera,** *Apidae).* 029781
A metatarsal adhesive organ of drones of the genus Apis **(Hymenoptera:** *Apidae).* 029783

APION
Apion **antiquum** (Curculionoidea: Apionidae) for biological control of the weed Emex australis. 028521
Use of insecticides on red clover seed plants *[Apion* **apricans,** control]. 028796
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, *Apion* **vorax,** broadbeans]. 028219

APIONIDAE
Apion antiquum (Curculionoidea: *Apionidae)* for **biological** control of the weed Emex australis. 028521

APIS ***see*** **BEES**

APLASIA
In-vivo diagnosis of right **renal** *aplasia* in a pekingese bitch. 024915
The role of the infectious bursal agent and several avian adenoviruses in the *hemorrhagic-aplastic-anemia* **syndrome** and gangrenous dermatitis [Broilers]. 024451

APOIDEA
Larvae of the Apidae (Hymenoptera, *Apoidea).* I. **Apini,** Apis. 029666
Peponapis fervens (Smith) in Bolivia (Hymenoptera: *Apoidea)* **[Habitat]**. 029481
Study of the bee genus Morawitzia Friese (Hymenoptera: *Apoidea:* **Halictidae**). 029694
The until now unknown species of the bee genus RhophitoidesSchenck (Hymenoptera: *Apoidea:* **Halictidae**) [New taxa]. 029696
Intracellular crystals in Apis mellifera **(Hymenoptera,** *Apoidea).* 029780
Study of the Andrena carantonica behavior during the blooming of the Golden Delicious apple trees *[Apoidea,* **pollination**]. 029741

APPENDICULELLA
The black **mildew** *Appendiculella* calostroma and its fungal hyperparasites. 027912

APPETITE
Short-term metabolic control of *appetite* in **dairy** calves [Feeding]. 023616

APPLES
Second discussion meeting on bitter pit [disease] in *apples* **Bonn,** May 15 to 17, 1974. 028307
Apple latent viruses: transmission from herbaceous host tissue to Malus indicator plants and distribution in *apple* **budwood**. 028169
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] foraging on **caged** *apple* trees. 029113
The mineral composition of *apples.* **Calcium** concentration and bitter pit in relation to mean mass per apple. 022952
Viruses **causing** *apple* topworking disease (Taka tsugi byo) in Japan. 028210
Bark split disease of prune trees and its association with strains of *apple* **chlorotic** leaf spot [virus]. 028172
The predominant role of calcium [in the tree metabolism] as an indicator in storage disorders in **Cleopatra** *apples* [Physiological diseases]. 028382
Effect of geraniol on levels of volatile terpenoid compounds produced by *apples* during **cool** storage [Low temperature breakdown]. 022944
Studies on the control of scald [physiological storage disease] of Holsteiner **Cox** *apple* variety. 022957
Crab *apples* [Varieties]. 027682
Double-flowered ornamental [Malus] **crab** *apples:* Cameron, Maybride and Prince Charming [cultivars]. 027723
Symptoms of star crack virus on the fruit and shoot growth of *apple* **cultivars**. 028200
Size and shape of plots in field trials with *apple* **[Culture]**. 027762
An *apple* a **day** [Cider]. 022895
Growth, yield, and fruit quality of virus-infected and virus-free Golden **Delicious** *apple* **trees**. 028181
Study of the Andrena carantonica behavior during the blooming of the Golden **Delicious** *apple* trees [Apoidea, pollination]. 029741
Functional and numerical responses of the predatory mite, Amblyseius fallacis, to prey [Tetranychus urticae] **density** *[Apples].* 028849
Influence of growth conditions upon some physiological **disorders** of *apples.* 028413
Sampling **dormant** *apple* twigs to estimate the density of eggs of the European red mite [Panonychus ulmi]. 028852
The various characteristics of **earliest** *apple* varieties for apple season-off. 027826
The effect of orchard factors on the chemical composition of *apples.* IV. Some **effects** of soil management and NPK [nitrogen, phosphorus, potassium] fertilizers. 030481
Role of cotyledons in germination and dormancy breaking of *apple* **embryonic** axis, after treatment with abscisic acid. 027232
Soil cultivation and water supply in relation to bitter pit [in *apples,* **excessive** potassium, calcium deficiency]. 028308
Juice extraction of **frozen** *apple* pulp. 022880
Enzymic analysis of cell wall structure in *apple* **fruit** cortical tissue. 026042
The function of calcium in the cell and in the subcellular units of *apple* **fruit.** 027087
Soluble and wall-bound glycoproteins of *apple* **fruit** tissue. 027251
Antagonism between calcium and other elements in the *apple* **fruit** [the primary cause of bitter pit development]. 028297
Discrepancies in the chemical composition of *apple* **fruits** as analysed by different laboratories. 022943
In vitro growth of tissues and cells cultures from *apple* **fruits.** 027146
The number and size of *[apple]* **fruits** in relation to rootstock type, application of growth regulators, pruning, and fruit thinning [affect bitter pit development]. 028312
Comparison of benomyl and captafol with Bordeaux mixture for control of European canker [Nectria **galligena**] of *apple.* 028034
Advice for the harvesting and storage of the most **important** *apple* and pear varieties for 1975/76. 022956
Ultrastructural alterations observed in **isolated** *apple* leaf cuticles. 025990
Resistance of **Jonathan** *apples* to fungal diseases in storage. 028021
Apple **latent** viruses: transmission from herbaceous host tissue to Malus indicator plants and distribution in apple budwood. 028169
Entomophagous insects of the *apple* **leaf** moth [Natural control, Apanteles, Sympiesis, Anthocoris]. 028905
The mineral composition of apples. Calcium concentration and bitter pit in relation to mean **mass** per *apple.* 022952
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) [Integrated mite control, Tetranychus **mcdanieli,** *apples].* 028819
Color, firmness, starch content, and persistence of 2-chloroethylphosphonic acid in **McIntosh** *apples.* 022885
Carbaryl resistance in native and released populations of Amblyseius fallacis **[Michigan,** *apples].* 028848
A member of the *apple* **mosaic** virus group occurring in Rubus. 028167
The *apple* **moth** [Carposapsa pomonella, control]. 028915
Computer simulation used to control *[apples]* **orchard** mites [Panonychus ulmi, Stethorus punctum, biological control]. 028890
Effects of some fungicide treatments on earthworm populations and leaf removal in *apple* **orchards.** 027991
Prolonged observations on spread and behaviour of proliferation [virus] disease in *apple* **orchards.** 028192
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, *apple* **orchards**]. 028836
Starch breakdown and ripening of *apple* and **pear** fruits. 027234
Seasonal changes in the epiphytic population of Erwinia amylovora on *apple* and **pear.** 028136
Observations on the richness of vitamin C of *apples* and **pears** of the 1974 harvest in the Gembloux region. 022099
The involvement of host-specific toxins in early step of infection by Alternaria kikuchiana and Alternaria mali **[Pears,** *apples].* 027982
Bacterial blight [Erwinia amylovora] not discovered [but bacterial canker present on *apples* and **pears** in Maritime Territory]. 028155
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 egg development *[Apples,* **pest** control]. 028865
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with sex pheromone traps *[Apple* **pests**]. 028827
Leaf analysis for prediction of bitter **pig** [in *apples].* 028306
Characteristics of accumulation of p-coumarylglucose in the parenchyma of *apple* **(Pirus** malus L.). 027223
Harvesting and storing in relation to bitter **pit** [in *apples].* 022864
Fruit analysis for prediction of bitter **pit** [in *apples].* 028303
Influence of nutrition on bitter **pit** in *apples.* 028304
Better quality and preservation by better protection of **plants** *[Apples].* 027739
Grape and *apple* **pomace** charcoal. 022482
Patterns in the numbers of air-borne conidia of *apple* **powdery** mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
Surfactants for the control of *apple* **[powdery]** mildew [Podosphaera leucotricha]. 028043
Apple **proliferation** [virus] disease in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. 028170
New evidences of the high sensitivity of Malus dawsoniana to *apple* **proliferation** [virus] disease and of its value for testing apple trees. 028187
The effect of benomyl on the symptoms of *apple* **proliferation** [Virus disease]. 028202
The influence of oxytetracycline on the appearance of *apple* **proliferation** symptoms [Virus diseases]. 028203
A relationship between stomatal density and growth potential in *apple* **rootstocks.** 027195
First results obtained in the aseptic culture of apical tissues of *apple* **rootstocks.** 027717
A leaf mosaic in the **Russian** *apple* clone R 12 740-7A connected with a strain of cherry necrotic ringspot virus. 028166
A coordinated programme for disease control in *apples* **[Scab,** canker and mildew]. 027890
Reduction of *apple* **scab** fungus [Venturia inaequalis] inoculum with fungicides. 028074
The various characteristics of earliest apple varieties for *apple* **season-off.** 027826
The effect of killed compatible pollen on **self-compatibility** in *apple.* 027203
Changes in the nitrogen reserves of *apple* **shoots** during the dormant season. 027197
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from bark and wood of *apple* **shoots.** 027204
The relationship of Granny **Smith** *apple* tree growth and early cropping to planting density and rectangularity. 027766
Predacious mites (Acarina: Phytoseiidae) on **sprayed** *apple* trees at Bathurst (N.s.w.). 028381
Cider and the *apple:* a **story** of good cheer [England]. 022889
Host race formation among **sympatric** *apple,* walnut, and plum populations of the codling moth, Laspeyresia pomonella. 028817
New evidences of the high sensitivity of Malus dawsoniana to apple proliferation [virus] disease and of its value for **testing** *apple* trees. 028187
Influence of temperature on population increase of Tetranychus mcdanieli (Acarina: **Tetranychidae**) *[Apples].* 028818
Interpretation of the transitory carbon dioxide emission by *apple* **tissues** (transition effect) observed after a change in temperature. 027151

Study of the Paris region entomological fauna in *apple* **treeorchards** with the aid of colored traps. 028822
Ca [calcium]-uptake and -translocation by plants with special regard to *apple* **trees.** 027070
Common canker [Nectria galligena] of *apple* **trees,** a very old disease locally in fresh outbreak. 027906
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the powdery mildew [Podosphaera leucotricha] of *apple* **trees.** 028030
Growth response to latent virus infection of *apple* **trees** on seedling rootstocks. 028180
Apple **trees** protected from voles with thiram. 028437
Visual stimuli eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) flies to *[apple]* **trees.** 028841
Effect of irrigation regimes on trunk and fruit growth rates, quality and yield of *apple* **trees.** 030662
Black rot of *apples* and **trials** for its control. 027959
Varieties of *apples.* 027744
Influence of nitrogen fertilization, spraying of calcium nitrate, thinning, and time of harvesting on James Grieve **[variety** of] *apples.* 030514
Cydonia C 7-1 and Pyronia veitchii, two complementary indicators [Pears, *apples,* **viruses].** 028175
Plant species outside the genus Malus as indicators for latent **viruses** of *apple.* 028189
Effects of dormancy factors on the growth of vegetative buds of **young** *apple* trees [Chilling requirements]. 027118

APPLICATORS
1976 field crops herbicide manual for dealers and **custom** *applicators.* 028483
Plans for a shielded **herbicide** *applicator* for Christmas trees and nursery stock. 030114
Pesticide *applicators* need 1976 certification. 030125

APPRAISAL
Appraisals of the **Association** of Colombian Farmers in relation to the 6th law of 1975, which prescribes norms for share farming and other kinds of land exploitation. 021795
Attempt at *appraising* the **conditions** of application and results of a reform policy in agriculture in difficult agricultural regions. II. Queyras. 021761
Appraisal of **ethylene** production as a test for defoliants [Kidney beans]. 027186
Elements of **forest** *appraisal* for forest stands of berries. 025115
Taking into account of high-yielding stands **[Forest** *appraisal].* 025130
New life for old [wood-frame] dwellings; *appraisal* and **rehabilitation.** 025265
Evaluation of the method of *appraising* the **value** of agricultural buildings for management purposes. 021332

APPRENTICE
Apprentice **training** for maintenance employees in the pulp and paper industry. 025503

APPRESSORIUM
Appressoria **formation** by Aspergillus parasiticus on bagworm[Thyridopteryx epheraeformis] cuticle. 029213

APPROPRIATIONS
The **technological** *appropriation* process [Rural areas]. 021125

APRICOTS
Vegetative disorders in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) *[Apricot* **chlorotic** leaf roll virus]. 028207
Production and dispersal of ascospores of Eutypa armeniacaein California [Cytosporina **dieback,** *apricots].* 028059
Preliminary identification of the viruses producing Spanishapricot pseudopox (viruela) and *apricot* **mosaic** diseases. 028191
Susceptibility of *apricot* **tree** pruning wounds to infection by Eutypa armeniacae [Cytosporina dieback]. 028062
Anomalies in the behaviour of certain peach and *apricot* **varieties** grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. 028168

APTERYGOTA
Notes on the fixation methods of *apterygota* **insects** for electron microscopy. 029445

AQUATIC
Germination-regulating mechanisms in *aquatic* **angiosperms.** II. Aeschynomene aspera, L. 026426
Biological *aquatic* weed control by fish in the lower Sonoran Desert of California. 028501
Second parasitological inquiry in Guadeloupe. 1. Trematodes of *aquatic* **birds** [Ducks, geese]. 024493
The effect of higher trophic level components in an *aquatic* **ecosystem** model [Pollution]. 030861
Protection of timber in *aquatic* **environments.** 025425
Mercuric chloride uptake by eggs of the ricefish and resulting teratogenic effects [Pollutants of *aquatic* **environments].** 030813
Aquatic **herbicide** use—administrative aspects. 028546
Fatty acid composition of lipids common to *aquatic* **Hyphomycetes** [Fungi] in conditions of artificial culture. 026674
Observations on **lignicolous** *aquatic* fungi [Ecology, distribution, wood destroying fungi]. 025377
Biological transformation of clay-sized sediments in **simulated** *aquatic* environments. 030948
The drift of *aquatic* and **terrestrial** invertebrates in a stream of the Massif Central, Couze Pavin [Includes insects]. 029224
The use of overwinter draw down for *aquatic* **vegetation** management [Acquatic weeds, control]. 028598
Aquatic **weed** control policy. 028547
A survey of *aquatic* **weed** control methods used by internal drainage boards, 1973. 028587
A production model for Myriophyllum spicatum L. *[Aquatic* **weeds].** 025893
Biological availability of sediment phosphorus to microorganisms [Algae, *aquatic* **weeds,** eutrophication]. 026696

AQUEOUS
Polarographic study of the reaction of vitamin K3 with thiol compounds in *aqueous* **ethanol.** 022143
The study of the *aqueous* **extract** of Pueraria [kudzu] radix. I. The preparation and the components of the active extract. 026983
The study of the *aqueous* **extract** of Puerariae [kudzu] radix. II. The biological difference between the active extract (MTF-101) and acetylcholine. 026984
Mono- and diquaternary ammonium cellulose cottons prepared in *nonaqueous* **media.** 022777
The kinetics of the reaction between sulfide and sulfite in *aqueous* **solution.** 025495
On the viscous properties of *aqueous* **solutions** of arabogalactan in Larix sibirica. 027321
Prediction of ion-exchange equilibria in *aqueous* **systems** with more than two counter-ions [Soils]. 030343
Plutonium in *aqueous* **systems** [Water contamination]. 030902

ARABIDOPSIS
Arabidopsis as a **genetic** tool. 026084
Arabidopsis **thaliana** as a model system in somatic cell genetics. I. Cell and tissue culture. 026795

ARABIS
A new Dow treatment is efficient in the control of **hops** *arabis* mosaic virus. 028215

ARABLE
The application of regional geochemical reconnaissance data in areas of *arable* **cropping** [Soil survey]. 030252
Effects of liquid manure management on the labor and economics of grassland and *arable* **land** farms [West Germany, Austria]. 030422
Simple ways of reducing odor during the storage and application of liquid manure to *arable* **land.** 030809
The sensitivity of **two** *arable* lands to compaction; a contribution to the behavior of soils under a vertical load in a range of soil suction up to pF 2.7. 030260

ARACHIN
Studies on groundnut proteins. IV. Effect of storage or proteolysis on the gel electrophoresis **pattern** of *arachin.* 022776

ARACHIS
Amino acid and fatty acid composition of chlorophyll-deficient mutants in **peanuts** *Arachis* hypogaea L. 026999

ARACHNIDA
Taxonomic notes on the **Amblypygi** *(Arachnida,* Chelicerata) from Ethiopia and Somalia. 029632
Long term can trapping for population analyses of ground-surface, **arid-land** *arachnids.* 029588
Ameronothrus schubarti n. Sp. From the sea coast of **California** *(Arachnida:* Acari: Oribatei). 029689
The significance of guanocytes for physiological colour shifts in Cyrtophora **cicatrosa** *(Arachnida:* Araneidae). 029340

ARADUS
The pine bark bug, *Aradus* **cinnamomeus** Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and significance in forestry. 028955

ARANEAE
Spiders of Lebanon. I. Note on Opopaea punctata (O. Pickard Cambridge, 1872) and other species of this **genus** *(Araneae,* Oonopidae). 029595
The influence of burrowing and thermoregulatory behaviour on the water relations of Geolycosa **godeffroyi** *(Araneae:* Lycosidae), an Australian wolf spider. 029463
A revision of the South American spider genus **Trachelopachys** *(Araneae,* Clubionidae) [New taxa]. 029531
Burrow-blocking behaviour in Geolycosa **wrightii** *(Araneae:* Lycosidae). 029208

ARANEIDA
Revision of the spider genus **Apollophanes** *(Araneida:* Thomisidae) [New taxa]. 029553
The significance of guanocytes for physiological colour shifts in Cyrtophora cicatrosa **(Arachnida:** *Araneidae).* 029340
The influence of hunting manner on prey size, particularly in spiders with long attack **distances** *(Araneidae,* Linyphiidae, and Salticidae). 029206
Social communications among the spiders, Agelena consociataD. *(Araneida,* **Labidognatha).** 029275
Change of web site in Argiope **spiders** *(Araneidae).* 029204

ARAUCARIA
Diterpenes from *Araucaria* **angustifolia.** 027332
New Zealand phytochemical survey. 11. The essential oil of Araucaria heterophylla (syn. *Araucaria* **excelsa).** 026688

ARCEUTHOBIUM
Arceuthobium **gillii** in New Mexico. 025822

ARCHEOLOGY
Archaeological **research** in Aneityum [Agricultural systems]. 021147

ARCHITECTS
A unique project [of a **Greek** *architect,* C. A. Doxiadis] for the spatial management of our planet. 030825

ARCTIC
The content of polychlorinated hydrocarbons in *Arctic* **ecosystems.** 029174
Antarctic **glaciation** and early Tertiary vegetation [Pollen studies]. 025760
Nearctic and *Palaearctic* **Heterotrissocladius** (Diptera: Chironomidae) [New taxa]. 029548
Fluctuations of phytoplankton biomass and its composition in a *subarctic* **lake** during summer. 026443
Fluctuations of phytoplankton biomass and its composition in a *subarctic* **lake** during summer. 026444
Studies in *Antarctic* **lichens.** III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the Antarctic and moss-inhabiting species of Rinodina from other parts of the world. 025755
Studies in *Antarctic* **lichens** IV. Notes on Umbilicaria aprina Nyl. 025756
Studies in *Antarctic* **lichens.** V. Lichenes Antarctici Exsiccati, Fascicle I, with additonal notes on the taxonomy of each species. 025757
Studies in Antarctic lichens. III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the *Antarctic* and **moss-inhabiting** species of Rinodina from other parts of the world. 025755

ARCTIIDAE
Effect of certain vegetables on the larval development of Diacrisia obliqua Walker **(Lepidoptera:** *Arctiidae).* 028861
On variation of preoviposition period in Utetheisa pulchella L. (Lepidoptera, *Arctiidae)* **[Pest** of Crotolaria juncea]. 028686

ARCTOCORISA
Life histories of three species of Corixidae (Hemiptera: Heteroptera) from western Colorado [Callicorixa audeni, Cenocorixa bifida, *Arctocorisa* **lawsoni].** 029205

ARCTOSTAPHYLOS
Mycorrhizas of *Arctostaphylos* **uva-ursi.** 025916

ARECA
Betel nut *[Areca* **catechu]** constituents as inhibitors of gamma-aminobutyric acid uptake. 022526

ARENARIA
Agropyron junceum and **Ammophila** *arenaria:* two pioneer plants in silt and sand. 026681
Response of soybean cultivars to meloidogyne incognita and to the combined effects of **Meloidogyne** *arenaria* and Sclerotium rolfsii [Nematodes]. 028419

ARGASIDAE
Photoperiodic induction of diapause in the kangaroo tick Ornithodoros gurneyi Warburton **(Acarina:** *Argasidae).* 029022

ARGINASE
Study of nitrogen metabolism of Pinus halepensis **Mill.:** *arginase.* 027309

ARGININE
Adsorption of casein on *arginine-agarose* **column** with Langmuir-type isotherm. 022593
Arginine **decarboxylase** from Lathyrus sativus seedlings: purification and properties. 026953
On the control of *arginine* **metabolism** in chicken kidney and liver. 023394
Metabolism of *arginine* and **ornithine** in the cow and rabbit mammary tissue. 023509
Isolation and properties of an *arginine-binding* **protein** from Saccharomyces cerevisiae [Yeasts]. 026552

ARGIOPE
Change of web site in *Argiope* **spiders** (Araneidae). 029204

ARGYROTAENIA
European corn borer [Ostrinia nubilalis] and redbanded leafroller *[Argyrotaenia* **velutinana]:** disruption of reproduction behavior [Cornfields, oatfield]. 028728
Protein and energy utilization by the insect, *Argyrotaenia* **velutinana** (Walker), fed diets containing graded levels of an amino acid mixture. 029313

ARID
Role of antitranspirants [reducing water loss from the plant] in *arid* **agriculture.** 027417
Long term can trapping for population analyses of ground-surface, *arid-land* **arachnids.** 029588
Knowledge of the ecosystems of *semi-arid* and **arid** zones in the Middle-East and North Africa: trend of ecological research in view of development. 025915
The milk production of native and crossbred sheep under *semi-arid* **conditions.** 023445
Legume establishment on low **fertility** *semi-arid* tussock grasslands. 027460
Soil erosion and conservation: **pampean** *semiarid* region [Argentina]. 030585
Suggestions for a strategy of development of *arid* **pastoral** and desert zones of Tunisia. 030598
Factors influencing infiltration and sediment production of *semiarid* **rangelands** in Nevada. 027566
Possibilities of reclamation of saline and alkali soils of *arid* **salines** of Saurashtra. 030591
For a synthetic approach of socio-economic and ecological problems of *arid* and **semi-arid** zones. 021124
Use of saline water for irrigated soils in *arid* & **semi-arid** zones of Rajasthan. 030660
A comparative study of clay mineralogy of *semi-arid* **soils** of Western Uttar Pradesh and Eastern Rajasthan. 030295
A note on the macrofauna of a temporary rainpool in *semi-arid* **western** Australia [Insects]. 029246
For a synthetic approach of socio-economic and ecological problems of arid and *semi-arid* **zones.** 021124
In view of an integrated approach of deveopment of pasture in *arid* **zones:** considerations from a case in South Tunisia. 021307
Knowledge of the ecosystems of semi-arid and *arid* **zones** in the Middle-East and North Africa: trend of ecological research in view of development. 025915
Use of saline water for irrigated soils in arid & *semi-arid* **zones** of Rajasthan. 030660
Water management in *arid* **zones:** how to use surface water. 030695

ARIETINUM
Relative stability of pure lines, varietal mixtures and segregating populations in chickpea **(Cicer** *arietinum* L.). 026182
The trypsin and chymotrypsin inhibitors in chick peas **(Cicer** *arietinum* L.). Purification and properties of the inhibitors. 027172

ARIOCARPUS
Phenethylamines of *Ariocarpus* **scapharostrus.** 026753

ARMATURE
Improved *armature* for skidding chokers [Logging equipment]. 025440

ARMERIA
Cytology of carnation streak virus infection [isolated from **Silene** *armeria].* 028225

ARMY
Trial-following by the *army* **ant,** Neivamyrmex nigrescens: responses by workers to volatile odors. 029223
Salvation *Army* provides a center for food programs. 021720

ARMYWORMS
The viability of the eggs of the **African** *armyworm,* Spodoptera exempta in laboratory cultures. 029337
Beet *armyworm* [Spodoptera exiqua]: dosage-mortality studieson California and Florida strains. 028662
Migration of the *armyworm* **Persectania** ewingii moths in spring and the origin of outbreaks. 028658

AROMATIC
The biosynthesis of *aroma* **compounds** by microorganisms. I. Formation of N-acetyl-amines by Saccharomyces cerevisiae [Yeasts]. 022554
Problems of extraction and analysis of some *aromatic* **compounds** of dairy products. I. Concentration and extraction techniques. 022598
The use of activated charcoal for the concentration and analysis of headspace vapours containing **food** *aroma* volatiles. 022514
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and *aroma* **formation** in various strains of sake [rice beer] yeast [Saccharomyces cerevisiae]. 022778
Aroma of **Muscat** grape varieties [due to terpenes]. 022915
Exposure to an environment containing the *aromatic* **red** cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Continuous process for the treatment with activated bleaching earth during **refining** of *aromas.* 022428
The effect of irrigation and fertilizers on the accumulation of *aromatic* **substances** in grape berries and on wine quality. 027300

ARRAY
Genetic analysis of the grain weight per plant in wheat by the method of a **single** *array* of crosses. 026152

ARRHYTHMIA
Respiratory **sinus** *arrhythmia:* noninvasive measure of parasympathetic cardiac control [Dogs]. 023471

ARSENIC
Arsenical **diffusion** treatment of Eucalyptus diversicolor rail sleepers. 025361
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on shrinkage property of beech [Fagus sylvatica] wood. 025427
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on drying property of beech wood [Fagus sylvatica]. 025428

ARTEMISIA
Control of green sagewort *[Artemisia* **campestris]** in the Nebraska sandhills [Herbicides]. 028610
Prescribed burning—effective control of sagebrush and open juniper *[Artemisia,* **Juniperus,** range management]. 028595
Essential oil from *Artemisia* **macrocephala.** 026936
Coumarin from Artemisia obtusiloba and *Artemisia* **martjanovii.** 026471
Know your sagebrush *[Artemisia]*—and better your **range.** 028594
Phenols from the essential oils of some **species** of *Artemisia.* 026491
Achillin and deacetylmatricarin from **two** *Artemisia* species. 026710

ARTERIOSCLEROSIS
Metabolic and histopathologic changes in *arteriosclerotic* **versus** nonarteriosclerotic rats following isoproterenol-induced myocardial infarction with superimposed diabetes. 022162

ARTERIOSUS
Recanalized patent **ductus** *arteriosus* in the dog. 024334

ARTERITIS
The genome of **equine** *arteritis* virus. 024767

ARTERY
Development of longitudinal retraction of **carotid** *arteries* in neonatal dogs. 023407
Electrical behaviour of inner and outer smooth muscle of sheep **carotid** *artery.* 023591
Adenosine and diphyridamole actions and interactions on isolated **coronary** *artery* strips of cattle. 023319
Antiarrhythmic, Haemodynamic and metabolic effects of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in Greyhounds following acute **coronary** *artery* ligation. 023320
Arterial **elastic** tissue and collagen in experimental poststenotic dilatation in dogs. 023402
Formaline **fixed** *arterial* encasement for experimental tenorrhaphy in bovines [Cattle, tendon injuries]. 024963
The effects of glucagon on the **hepatic** *arterial* vasculature of the dog: an inhibition of the effects of vasoconstrictor agents. 023332
Effects of temperature on the responses to noradrenaline, isoprenaline and histamine on isolated rabbit **mesenteric** *artery.* 023408
Arterial **pressure-flow** relations in the awake standing dog. 023201
Relative pre- and postsynaptic potencies of alpha-adrenoceptor agonists in the rabbit **pulmonary** *artery.* 023597
Specific release of bovine neurophysin II during *arterial* or **venous** haemorrhage in the cow. 023521

ARTHRITIS
Isolation and identification of Mycoplasma agalactiae subsp. Bovis from *arthritic* **cattle** in Iowa and Nebraska. 024589
Naturally occurring and experimentally induced **mycoplasmal** *arthritis* of cattle. 024591
Infectious tenosynovitis **(viral** *arthritis):* characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. 024439

ARTHROBACTER
Arthrobacter **globiformis:** a successful soil bacterium. 030209

ARTHROPODA
Raft fouling in the Menai Strait, 1963-1971 **[Algae,** *Arthropoda].* 025700
Simple method for large-scale **collection** of *Arthropoda.* 029515
Dispersion of predatory forest **floor** *arthropods.* 029471
Preliminary observations on the colonisation by the microorganisms and the *microarthropods,* of the **fresh** litter in two soils of a beech forest (Retz forest). 030273
Defence substances of *arthropods.* **LIX.** Platambin, a defence substance of the water beetle Platambus maculatus (Coleoptera: Dytiscidae). 029439
Lyriform slit sense organs, modelling an *arthropod* **mechanoreceptor** [Spiders]. 029398
Modeling *arthropod* predation: wasteful killing by damselfly naiads [Anomalagrion hastatum, Ischnura ramburii]. 029319
Ecology of **moss-living** *arthropods,* by the light of factorial analysis of correspondances: Collembola and Oribata of Sidobre (Tarn, France). 029462
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of *arthropod* **pests** on ornamentals. 028814
Seasonal and vertical distribution of a population of **soil** *arthropods:* Cryptostigmata. 030274
Some properties of the aggregations of **soil** *arthropods:* Cryptostigmata. 030275
Local taxonomy and terminology for some **terrestrial** *arthropods* in five different ethnic groups of Papua New Guinea and central Australia. 029615
The effect of cotton sowing policy on the dynamics of harmful and **useful** *Arthropoda* populations. 028745

ARTICHOKES
Rare vegetables *[Artichokes,* **cardoons,** culture]. 027786
Artichoke **culture.** 027830
The activation of non-phosphorylating electron transport by adenine nucleotides in *Jerusalem-artichoke* **(Helianthus** tuberosus) mitochondria. 027125
The **Jerusalem** *artichoke.* 025562
The evaluation of ecological factors in growing **Jerusalem** *artichokes* in submontane and montane regions. 027654
The **Jerusalem** *artichoke* [culture]. 027789

ARTICULATION
Effects of tire deformation on the tractor transversal stability. *Articulated* **tractor.** 030118

ARUM
Investigation of the carbohydrates of *Arum* **korolkovii.** 026482
Mitochondrial ultrastructure and respiration in the spadix of *Arum* **maculatum** L. during development. 026702

ASCARIS
Screening of indigenous plants for anthelmintic action against **human** *Ascaris* lumbricoides. II. [Plant extracts]. 026610
Ovogenesis and fertilization of *Ascaris* **lumbricoides** [suum]: electron microscope study. 024701
Delayed hypersensitivity responses of swine to *Ascaris* **suuminfection.** 024609

ASCLEPIAS
Noncompetitive effects of common milkweed, *Asclepias* **syriaca** L., [weeds] on germination and growth of grain sorghum. 028491

ASCOMYCETES
Leotia, Cudonia, Spathularia [rufa] and Neolecta [vitellina] *(Ascomycetes)* in **Finland** [New taxa]. 025601
On the apical structure of the rhizomorph of Sphaerostilbe repens B and Br. *(Ascomycetes)* **[Fungi].** 025970
Electron microscopy of virus-infected cultivated mushroom and of an *ascomycete* **fungus.** 028238
Revision of algicolous Zignoella spp. And description of Pontogeneia gen. nov. *(Ascomycetes)* **[New** taxa]. 025626
An ultrastructural comparison of Podosordaria leporina and Poronia **oedipus** *(Ascomycetes).* 025976

ASCORBATE
Liquid chromatographic analysis of **ascorbate** and *ascorbate-2-sulfate.* 022038
Some properties of the *ascorbate* **free** radical. 022047
Ascorbate **oxidase** and related copper proteins. 022017
Chemistry and metabolism of ascorbic acid and *ascorbate* **sulfate.** 022028

ASCORBIC
Reduction of gastric carcinogens with *ascorbic* **acid** [Food leftovers, nitrite]. 021839
A controlled clinical trial of *ascorbic* **acid** for the common cold. 022014
Activation of prolyl hydroxylase in fibroblasts by *ascorbic* **acid.** 022015
Alteration in human granulocyte function after in vitro incubation with *L-ascorbic* **acid.** 022016
Ascorbic **acid** and electron transport. 022018
Ascorbic **acid** and cytochromes. 022019
Ascorbic **acid** and collagen synthesis in cultured fibroblasts. 022020
Ascorbic **acid** and athletic performance. 022021
Ascorbic **acid** function and metabolism during colds. 022022
Ascorbic **acid** in cholesterol and bile acid metabolism. 022023
Biological variation in *ascorbic* **acid** needs. 022025
Changes in *ascorbic* **acid** metabolism of the offspring following high maternal intake of this vitamin in the pregnant guinea pig. 022027
Chemistry and metabolism of *ascorbic* **acid** and ascorbate sulfate. 022028
Clinical pharmacological aspects of *ascorbic* **acid.** 022029

Distribution of *ascorbic* **acid,** metabolites and analogues in man and animals. 022031
Effect of *ascorbic* **acid** on amine-nitrite toxicity [Food additives]. 022032
Effect of *ascorbic* **acid** deficiency on the permeability and collagen biosynthesis of oral mucosal epithelium. 022033
Effects of *ascorbic* **acid** on health parameters in guinea pigs. 022034
Function of *ascorbic* **acid** in collagen metabolism. 022035
Instability and function: *ascorbic* **acid** and glutaminyl and asparaginyl residues. 022036
Metabolism of *ascorbic* **acid** and ascorbic-2-sulfate in man and the subhuman primate. 022039
Protective effects of *ascorbic* **acid** against toxicity of heavy metals. 022041
Relationships of protein and mineral intake to *L-ascorbic* **acid** metabolism, including considerations of some directly related hormones. 022042
Relationships of *ascorbic* **acid** to pregnancy, and oral contraceptive steroids. 022043
The recommended dietary allowances for *ascorbic* **acid.** 022048
Modified method for the estimation of *ascorbic* **acid** from preserved juices and squashes. 022164
Carotene oxidizing factors in redpepper fruits (Capsicum annuum L.). *Ascorbic* **acid.** 022926
Effects of gamma irradiation and storage temperature on carotenoids and *ascorbic* **acid** content of mangoes on ripening. 022949
Ascorbic **acid** requirements and metabolism in relation to organochlorine pesticides [Toxicity, animals]. 023241
Environmental influences on *ascorbic* **acid** requirements in animals. 023242
Studies on fructose and *ascorbic* **acid** concentration in the semen of Corriedale and Nali breeds of sheep. 024082
Biosynthesis and metabolism of *ascorbic* **acid** in plants. 026367
On phenol and p-cresol o-hydroxylation by tyrosinases in the presence of *ascorbic* **acid** [Mushrooms, potatoes]. 027230
Ascorbic **acid** content and enzyme activities during maturation of the mango fruit and their association with bacterial black spot [Erwinia mangiferae]. 028126
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. *Ascorbic* **acid** and the hypersensitive reaction as a means of resistance. 028127
Safety considerations with **high** *ascorbic* acid dosage. 022044
Metabolism of ascorbic acid and *ascorbic-2-sulfate* in **man** and the subhuman primate. 022039
Ascorbic-2-sulfate **metabolism** by human fibroblasts. 022024

ASCOSPORES

Seasonal fluctuations in *ascospore* **concentrations** of Didymella applanata in relation to raspberry blur blight incidence. 027901
Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae [yeasts]: meiosis with **defective** *ascospore* wall formation. 026197
Ascospore **discharge** in Drepanopeziza punctiformis in relation to infection of some poplar [Populus] clones. 027951
Production and dispersal of *ascospores* of **Eutypa** armeniacaein California [Cytosporina dieback, apricots]. 028059
Ultrastructural study of asci: wall, apical apparatus, *ascospore* **wall** in inoperculate Discomycetes and Hysteriales [Fungi]. 026041
Induction of petite mutations during germination and outgrowth of Saccharomyces cerevisiae **[yeasts]** *ascospores.* 026194

ASEPSIS

First results obtained in the *aseptic* **culture** of apical tissues of apple rootstocks. 027717
An *aseptically* and **labour** saving method of handling starter cultures [for dairy products]. 022633

ASEXUAL

A fine structural study of *asexual* **stages** of the murine coccidium Eimeria ferrisi Levine and Ivens 1965. 024788

ASHES

Recultivation of *ash* **deposits** [Land reclamation, afforestation]. 030594
Ameliorating doses of **fly** *ash* in the soil-plant system. 030613
Suturaspis archangelskayae (Lndgr.) (Homoptera, Diaspidoidea), a biophyte of *ash* **tree** [Fraxinus] in Turkmenistan. 028943
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained **volcanic** *ash* soil of the Tokachi region under two moisture levels. 028430
Soils derived from **volcanic** *ash* in Central America. 2. Soils more developed than Andepts. 030345
Relationships between the inorganic colloid and the parent material of some **volcanic** *ash* soils in Miyagi and Iwate prefectures, Japan. 030353
Relationships between particle size and mineral composition of **volcanic** *ashes* [Soils]. 030376

ASILIDAE

Ethology of Efferia frewingi **(Diptera:** *Asilidae).* 029219

ASPARAGINE

Asparagine **metabolism**—key to the nitrogen nutrition of developing legume seeds [White lupins]. 027016
[A-21-D-asparagine] **sheep** insulin, a diastereoisomer of the natural hormone. 023504

ASPARAGUS

Control of Canada thistle [Cirsium arvense] and field bindweed [Convolvulus **arvensis**] in *asparagus.* 028609
Comparison of two methods of *asparagus* **cultivation:** earthed up for producing white asparagus and flat culture for producing green asparagus. 027827
Effects of simazine applicatins and watering on *asparagus* **seedlings** [Weed control]. 028554
The application of plant pathological techniques in plant quarantine pathology [Soybeans, *asparagus,* **sugarcane**]. 028310
Comparison of two methods of asparagus cultivation: earthed up for producing **white** *asparagus* and flat culture for producing green asparagus. 027827

ASPARTATE

Primary structure of **cytoplasmic** *aspartate-aminotransferase* from porcine myocardium. Isolation, purification, and characterization of peptides split by cyanogen bromide. 023311
Inhibition of phosphoenolpyruvate carboxylase from C4 [carbon] plants by malate and *aspartate* **[Digitaria** sanguinalis]. 026447
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an *aspartate-type* C-4 **plant.** I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an *aspartate-type* C-4 **plant.** I. Light absorbing photosynthetic pigment composition. 026600
Interaction of *aspartate* **transaminase** from chicken heart cytosol with analogs of pyridoxal phosphate. 023310

ASPENS

Contribution to the knowledge of ecologico-taxonomic situation of the *aspen* **(populus** tremula L.) in Macedonia. 025846
Deterioration of *aspen* **[Populus** tremuloides] clones in the middle Rocky Mountains [Regeneration]. 027344
Development of some **young** *aspen* [Populus tremuloides] stands in Arizona. 025263

ASPERA *see* GALLIUM

ASPERGILLUS

Neoechinulin D, a new isoprenylated dehydrotryptophyl metabolite from *Aspergillus* **amstelodami** [Fungi]. 026561
Selective submerged productions of three types of glucoamylases by a Black-koji mold *[Aspergillus* **awamori].** 026348
Three antimicrobial metabolites from *Aspergillus* **caespitosus** [Fungi]. 026461
Utilization of nitrite nitrogen by four fungi [Gliocephalotichum bulbilium, *Aspergillus]* **causing** 'fruit rot' diseases. 028079
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of aflatoxin synthesis by *Aspergillus* **flavus** in dependence on quality and quantity of the carbohydrates available [Milk contamination]. 021948
A suspected outbreak of aflatoxicosis *[Aspergillus* **flavus]** among goats in Sri Lanka [Contaminated feed]. 024948
Mycotoxicosis in cows caused by toxins of *Aspergillus* **flavus** Lk. [Wheat, feed, contamination]. 025005
Preliminary studies on the incidence of molds on pecan nuts during harvesting and drying *[Aspergillus* **flavus,** Aspergillus parasiticus]. 028039
Pre- and post-emergence losses of peanut caused by *Aspergillus* **flavus** Link. 028122
Aflatoxin production [by *Aspergillus* **flavus]** and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Mycotic diseases *[Aspergillus* **fumigatus]** occurring in domestic animals in Ankara. 024598
Isolation and characterization of *Aspergillus* **fumigatus** [Chicks]. 024687
Ill-effects of feeding mouldy peanut hay to young goats *[Aspergillus* **nidulans,** mycotoxicosis]. 024955
The structure of two new metabolites, emerin and emericellin, from *Aspergillus* **nidulans** [Fungi]. 026351
Amide utilization in *Aspergillus* **nidulans** [Fungi]: evidence for a third amidase enzyme. 026645
A sensitive method of glycogen determination in the presence of interfering substances utilizing the filter-paper technique *[Aspergillus* **niger,** fungi]. 026363
Glucoamylases of *Aspergillus* **niger** [Fungi] NRRL 330. 026602
Glucoamylases of *Aspergillus* **niger** NRRL 330 [Fungi]. 026603
Formation and cleavage of 2-keto-3-deoxygluconate by 2-keto3-deoxygluconate aldolase of *Aspergillus* **niger** [Fungi]. 026624
Mechanisms of pellet formation of *Aspergillus* **niger** [fungi]with an additive. 026641
Thermal death of fungal conidia *[Aspergillus* **niger]** in liquid paraffin. 026643
Antioxidants and pigments of *Aspergillus* **niger.** 026662
Effect of urea on intracellular ribonuclease from *Aspergillus* **niger** [Fungi]. 026829
Fate of pyruvate, formed nonphosphorolytically from gluconate by extracts of *Aspergillus* **niger** [Fungi]. 026867
Production of a new rennin-like enzyme by *Aspergillus* **ochraceus.** 022617
Effects of ochratoxin A on carbohydrate metabolism in rats *[Aspergillus* **ochraceus].** 024959
Catalysis by serine proteases and their zymogens. A study of acyl intermediates by circular dichroism *[Aspergillus* **oryzae,** fungi]. 026401
Specificity of the S1 nuclease from *Aspergillus* **oryzae** [Fungi]. 026631
Effect of sodium acetate on growth and aflatoxin production by *Aspergillus* **parasiticus** NRRL 2999. 021924
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by resting mycelia of *aspergillus* **parasiticus** [Fungi, soybeans]. 021983
Synthesis of versicolorin A by a mutant strain of [the mold] *Aspergillus* **parasiticus** [Fungi] deficient in aflatoxin production [Heritability]. 026187
Factors influencing the biosynthesis of aflatoxins *[Aspergillus* **parasiticus,** Fungi]. 026601
Aflatoxin can be degraded by the mycelium of *Aspergillus* **parasiticus** [Fungi, food chemistry]. 026859
Preliminary studies on the incidence of molds on pecan nuts during harvesting and drying [Aspergillus flavus, *Aspergillus* **parasiticus].** 028039
Appressoria formation by *Aspergillus* **parasiticus** on bagworm[Thyridopteryx epheraeformis] cuticle. 029213
Metabolism of phenylalanine in *Aspergillus* **sojae** [Fungi]. 026344
Purification of ribonuclease L from *Aspergillus* **sp.** [Fungi] by affinity chromatography. 026346

ASPERULA

Coumarins of the **genera** *Asperula* and Galinum. 026472

ASPHALT

The influence of hot **mix** *asphalt* plants on vegetation with special regard to vapors from asphaltic bitumen. 028361

ASPHYXIA

Suffocation **hazards** in grain bins. 029900

ASPIDIOTUS

Recommendation that farms use only healthy planting stock *[Aspidiotus* **perniciosus** as pest of fruit trees and ornamentals, control, Krasnodar Territory]. 028914

ASPIDOSPERMA

Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel total synthesis of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, *Aspidosperma* **australe,** Tabernaemontana psychotrifolia]. 026634

ASPIRATORS

Aspirator for **collecting** and separating small insects [Lepidoptera, Coleoptera]. 029240

ASPLENIUM

Asplenium **scolopendrium** on Gotland's main island [Pteridophyta]. 025824

ASSETS

U.S. Agricltural exports—"a **national** *asset".* 021564

ASTERACEAE

A systematic study of the genus **Hulsea** *(Asteraceae).* 025632
Senecio jowaiensis Balakr. *(Asteraceae)*—a **new** species from Meghalaya, India. 025704
Taxonomic study of Gaillardia **pulchella** *(Asteraceae-Heliantheae).* 025853

ASTERS

Studies on *[aster]* **yellows** disease of parsley and celery [Scleroracus flavopicta, mycoplasma-like organisms]. 028274

ASTRAGALUS

Narcissin from *Astragalus* **dasyanthus.** 026490
New species and varieties in the **genus** *Astragalus* from Kopet Dagh mountains. 025708
Nitro compounds in *Astragalus* **species.** 026751

ASYMMETRY

Effect of separate parameters of an *asymmetric* **disk** tiller on the characteristics of its operation. 030132
Microbial *asymmetric* decomposition of 2-oxo-4-methyl-6-ureidohexahydropyrimidine in soil. 030214

ATAXIA

Progressive *ataxia* of Charolais cattle. 024825

ATHERIGONA

Studies on the biology of sorghum shoot flies, *Atherigona* spp. **(Muscidae:** Diptera), and shoot fly-sorghum host plant relationships. 028799

ATHEROSCLEROSIS
Advanced **coronary** *atherosclerosis* in swine produced by combination of balloon-catheter injury and cholesterol feeding. 024837
Coconut fat in the **diet** *[Atherosclerosis].* 022207
Effect of prostaglandin PGE on blood and tissue lipids in rabbit **experimental** *atherosclerosis.* 023605
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by chemical ionization reconstructed mass chromatography. [**Human** *atherosclerosis].* 022154
The cockerel as an animal model for *atherosclerosis* **research** [Cholesterol diet]. 021991
New animal [Japanese quail] model for *atherosclerosis* **research.** 024813
The effects of tolbutamide on the development of *atherosclerosis* in **rhesus** monkeys fed an average American table-prepared diet. 021992

ATMOSPHERE
Multielement characterization of *atmospheric* **aerosols** by instrumental neutron activation analysis and X-ray fluorescence analysis [Air pollution]. 030883
Bacterial contamination of beet stored in an *atmosphere* with **carbon** dioxide. 022714
Use of in-package **controlled** *atmospheres* for extending the shelf life of meat products. 022665
Harnessing *atmospheric* nitrogen for agriculture [Fertilizers]. 030447
Harnessing *atmospheric* nitrogen for agriculture. 030450
Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic **inert** *atmosphere* generator. 028981
The effect of *atmospheric* **levels** of pesticides on pesticide residues in rabbit adipose tissue and blood sera. 024945
Atmospheric **levels** of propoxur aboard submarines after residual spraying [for control of Blatella germanica]. 028980
The breeding of nonleguminous plants for the development in them of symbiotic fixation of *atmospheric* **nitrogen.** 026264
Melon flies [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with gamma irradiation in a **nitrogen** *atmosphere.* 028868
Transport mechanisms for **pesticides** in the *atmosphere.* 029178
Gravity slide studies on *atmospheric* **pollen** in Finland. 025600
Correlation of specific surface area of soils according to the BET theory with cation exchange capacity, water content at the suction of 15 *atmosphere* **pressure.** 030378
Metabolic response of animals exposed to several *atmospheric* **pressures** [Rats]. 023635
Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in *atmospheres* **produced** by an exothermic inert atmosphere generator. 028981

ATOMS
Determination of iron in cheese whey by *atomic* **absorption** spectrometry. 022562
Sources of error in the determination of Cd [cadmium] and Pb [lead] in plant material by *atomic* **absorption** [Foliar analysis]. 030440
The intrinsic **zinc** *atoms* of yeast alcohol dehydrogenase. 026396

ATPASES
Studies on *ATPase* [**adenosine** triphosphatase] activity of actomyosin of squid mantle muscle [Fishery products]. 022408
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated **membrane** *ATPase* [adenosine triphosphatase] in cattle red cells. 023411
Stability of **myofibrillar** *EDTA-ATPase* [ethylendiamine tetraacetic acid-adeninetriphosphatase] in rabbit psoas fiber bundles [Meat quality]. 022664

ATRAZINE
Residual activity of *atrazine,* **alachlor** and linuron under different soil and climatic conditions. 029158
Sorghum growth as affected by annual applications of *atrazine* **[Herbicides].** 028622
The kinetics of dissolution of *atrazine,* **propazine** and simazine in water. 028605
Residues of *atrazine,* **simazine,** linuron and diuron after repeated annual applications in a peach orchard. 029182
Trifluralin and *atrazine* for **weed** control in lupin seed crops. 028575

ATRIAL
Mechanism of diuretic response associated with *atrial* **tachycardia** [Dogs]. 023219

ATRIPLEX
Fourwing saltbush *[Atriplex* **canescens]** for land rehabilitation in Iran and Utah [Range management]. 027556

ATRIUM
Characteristics of the noradrenergic innervation of the **left** *atrium* in the chick (Gallus gallus domesticus, L.). 023381

ATROPA
Comparative study of various weights of belladonna *[Atropa* **belladonna]** from Languedoc for obtaining pharmaceutics. 026782

ATROPHY
How to recognize and **eliminate** *atrophic* rhinitis of swine. 024876
Progressive **retinal** *atrophy* in two atypical breeds of dogs. 024931
Clinical evaluation of efficacy of Neomix (SPOFA) in the control of *atrophic* **rhinitis** in pigs. Comparison of efficacy of Neomix to that of Gallimycin (Abbott), Spectane (Abbott) and Pro-Gene (Abbott). 024757

ATROPINE
Stimulation of intestinal smooth muscle by *atropine,* **procain1,** and tetrodotoxin [Cats]. 023227
Changes in the acid base status of sheep anaesthetised with a combination of *atropine* **sulphate** acepromazine and ketamine hydrochloride. 024296

ATTA
Activity of faecal fluid of a leaf-cutting ant *[Atta* **colombica** tonsipes] toward plant cell wall polysaccharides. 029404

ATTACIDAE *see* SATURNIIDAE

ATTAGENUS
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, *Attagenus* **piceus,** black carpet beetle]. 028987

ATTRACTANTS
Identification of a fruit fly [Dacus (Strumeta) cacuminatus] *attractant* in an **Australian** plant, Zieria smithii, as O-methyl eugenol. 026639
Concentrated fruit juice as an *attractant* of the **eastern** fruit moth [Laspeyresia molesta, control]. 028902
Attractants for **monitoring** Pectinophora scutigera and related species in Australia [Cotton]. 028725
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), **sex** *attractant* of the cotton moth [Pectinophora gossypiella, control]. 028795
The attractiveness to bees [Apis mellifera] of synthetic wasp **[Vespula]** *attractants.* 029830

AUCHENORRHYNCHA
Larval forms of some Central European Euscelini **(Homoptera,** *Auchenorrhyncha).* 029713

AUJESZKY
A study of outbreaks of *Aujeszky's* **disease** in cattle. I. Virological and epidemiological findings. 024396
A study of outbreaks of *Aujeszky's* **disease** in cattle. II. Further investigations on the routes of infection. 024397
A study of outbreaks of *Aujeszky's* **disease** in cattle. III. Selected outbreaks of a special interest regarding epidemiology. 024398
Aujeszky's **disease,** future threat to pig industry? 024666
Immunization against *Aujeszky's* **disease** with an inactivatedvirus in oil excipient **[Rabbits,** swine]. 024682
Aujeszky's **disease** in the dog and cat in Switzerland. 024714
Program of elimination of *Aujeszky's* **disease** from swine herds in **Czechoslovakia. 024761**

AURAL *see* EARS

AUREOBASIDIUM
Investigations on the susceptibility of maize hybrids against root rot [Fusarium, *Aureobasidium* **bolleyi].** 028103
The effect of the nutrient medium on the formation and chemical composition of a polysaccharide produced by *Aureobasidium* **pullulans** (de By.) Arn. [Fungi]. 026679

AURICLE
Positive inotropic effect of insulin on **rabbit** *auricle* in vitro. 023263

AURICULARIA
The European earwig **[Forficula** *auricularia].* 028640

AUTECOLOGY
Eleocharis acicularis (L.) R. & S.: The *autecology* of an **acid** tolerant **sedge. 025886**
Autecological **investigations** with Central European Neuroptera. 029519

AUTOLYSIS
Production of a mixture of amino acids [for food and drugs] by *autolysis* of **hydrolyzed** fodder yeast. 022438

AUTOMATIC
Automatic **acquisition** of primary information about the consumption of **fuels. 029897**
Automatic **cleaning** methods in milking. 022568
An *automatic,* **closed-circuit** oxygen consumption apparatus for small **animals. 023459**
About *automatic* **flooding** of a centrifugal pump before launching **[Drainage,** irrigation]. 030120
Use of a **laboratory** *automatic* instrument for determining the fractional composition of turpentine. 025353
Optimizing the sorting of logs on *semi-automatic* **lines.** 025449
Automatic **methods** of vegetable processing. 022896
Design and operation of the E691 *automatic* **[potato]** separator **[East Germany]. 030006**
Automatic and **program** control of the process of [wood] hydrolisis. 025297
Adapting an experimental bean cooker for *automatic* **recording.** 022925
Results of an investigation of a system for the *automatic* **regulation** of plowing depth. 030136
Automatic **sample** taking equipment for bacterial [contamination] count in **milk tank trucks.** 021866
Use of *automatic* **siphons** in rice irrigation. 030688
Potato harvesting and storage: results and information on the operation of the E684 digger and loader and the E691 **stationary** *automatic* separator [East Germany]. 030009

AUTOMATION
Additional developments on the *automated* **cage** system for growing broilers. 023093
Automation and the **dairy** industry. 022629
Control and *automation* in the **dairy** industry. 022630
Justification of *automation* in the **dairy** industry. 022631
Automation of **developing** prospective plans in the forestry automated control **system. 025112**
High frequency system for plant recognition [Agricultural **equipment,** *automation].* 030159
Automation of developing prospective plans in the **forestry** *automated* control **system. 025112**
Problems on the *automation* of the **function** of forest cadre accounting **[Labor]. 025125**
Increased effectiveness of hot air driers by **improved** *automation* equipment **[East Germany].** 030007
Effect of calibration procedures on accuracy and precision of *automated* **Kjeldahl** nitrogen analysis in some formulated foods. 022498
Automated **line** for sorting logs by diameter. 025436
Industrial [horticultural] crop production **[Mechanization** and *automation].* 027608
The **Montana** *Automated* Data Processing System for soil inventories. 030333
Evaluating utilization of working time of equipment of *automated* **production** lines **[Forest** industries]. 025133
An *automated* **rapid** test for Escherichia coli in milk. 021920
An *automated* **rough** mill for the production of interior furniture parts. 025535
Modification of the *automated* **sequence** determination as applied to the sequence determination of the [blue-green alga] Spirulina maxima ferredoxin. 026404
Possible utilization of the "Kartimat III" *automated* **system** in compiling small-scale land utilization maps. 021229
An *automated* **total** protein nitrogen method [Feeds]. 023043
Automation of **uronic** acid titration by the carbazol method: Application to the case of pectic substances. 022380

AUTONOMIC
Prenatal development of the *autonomic* **innervation** to the pelvic viscera in **ox (Bos taurus).** 023444

AUTOPSIES
Postmortem **glycolysis** in ground skeletal muscle as influenced by prerigor freezing and subsequent thawing. 022718

AUTORADIOGRAPHY
Autoradiographic **demonstration** of the innervation of the tooth and the parodont **[Cats].** 023349
Studies on the secretion of maize root-cap slime. III. Histochemical and ***autoradiographic*** **localization** of incroporated fucose. 027037
Micro-autoradiographic **studies** on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. 027908
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the intracellular transit and excretion of milk proteins. *Autoradiographic* **study** in the. 023532

AUTOSPORES
Changes in chloroplasts structure during *autospore* **formation** in Scenedesmus obtusiusculus [Algae]. 026052

AUTOTETRAPLOIDS
Selection with truncation in *autotetraploids* **comparison** with diploids [Forage plants]. 026305
A comparative study of the pollen of diploid and *autotetraploid* **forms** of species of Onobrychis L. [Sainfoin]. 026136

AUTUMN
The effects of *autumn* **foliar** urea sprays on storage forms of nitrogen extracted from bark and wood of apple shoots. 027204
Influence of *autumn-winter* **lucerne** management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions [Lolium multiflorum]. 027459
Litter and oil on the shores of Utsira, Rogaland County, during *autumn* 1974 **[Oil** pollution]. 030889
Hard wheat culture in *autumn* **seeding** in the northern part of France. 027475
Autumn: **silkworm** [Bombyx mori] variety "Jam 113 X Jam 114". 029855
Society *autumn* foray Cambridge, 5th—12th September, 1974. List of species [Fungi]. 025649
Field surveys on coccidial [Eimeria] infection in broilers in Japan—results obtained in *autumn* and **winter** and summarized in 1973. 024631

AUXINS
Distribution of **bound** *auxins* in kernels of sweet corn (Zea mays L.). 027067
Production of *auxins* by **[coryneform]** bacteria isolated from the roots of pine seedlings (Pinus silvestris L.). 027303
Auxin-synthesis **inhibition** by abscisic acid, and its reversal by gibberellic acid [Avena]. 026872
Stoichiometric correlation of malate accumulation with *auxin-dependent* K+ **[potassium]**-H+ [hydrogen] exchange and growth in Avena [oats] coleoptile segments. 027030
Auxin: its **role** in genetic tumor induction [in Nicotiana suaveolens X Nicotiana langsdorffii]. 026231
Use of *auxin-like* **substances** for preventing damage from, and increasing efficacy of, nitrogen applied in large doses. 030465
Auxin **transport** inhibitors fluorescein and related compounds [Kidney beans]. 027260
Estimation of ethylene produced by pea (Pisum sativum L.) plants inhibited with *auxin* and **treated** with cytokinin. 027126

AUXOTROPHISM
The formation of higher alcohols by amino **acid** *auxotrophic* mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. 026868

AVALANCHE
Avalanche **fatalities** in the United States, 1950-75. 025068

AVENA
Auxin-synthesis inhibition by abscisic acid, and its reversal by gibberellic **acid** *[Avena].* 026872
Photoactivation of NAD [nicotinamide adenine dinucleotide] kinase through phytochrome [from *Avena* **coleoptiles**]. 026790
Red light enhances the growth of *Avena* **coleoptiles.** 026873
Wild oat *[Avena* **fatua]** gene pool: a collection maintained by the Canada Department of Agriculture. 026241
Selective control of wild oats *[Avena* **fatua]** in barley withAC 84777. 028503
Another problem solved: wild oats *[Avena* **fatua** control]. 028515
Difenzoquat for wild oat *[Avena* **fatua,** Avena ludoviciana] control in cereals. 028550
Evolution in the **genus** *Avena:* inheritance of different forms of ribulose diphosphate carboxylase [Oats]. 026121
Difenzoquat for wild oat [Avena fatua, *Avena* **ludoviciana]** control in cereals. 028550
Protein content and amino acid composition in groats and hulls of developing **oats** *(Avena* sativa). 022786
Cladistic analysis of the diploid and hexaploid **oats** *(Avena,* Poaceae) using numerical techniques. 025658
Cladistic analysis of the diploid and hexaploid **oats** *(Avena,* Poaceae) using numerical techniques. 026106
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in *Avena* **[oats]** coleoptile segments. 027030
Effect of gibberellic acid on the plasticity and elasticity of *Avena* **[sativa,** oats] stem segments. 027020

AVIAN
The role of the infectious bursal agent and several *avian* **adenoviruses** in the hemorrhagic-aplastic-anemia syndrome and gangrenous dermatitis [Broilers]. 024451
Ultrastructural observations of amorphous bone mineral in *avian* **bone** [Chickens, pigeons]. 023354
Studies on *avian* **[chicken]** erythrocyte metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion exchange chromatography. 023378
The behavior of fibroblasts from the **developing** *avian* cornea. Morphology and movement in situ and in vitro [Chick embryos]. 023499
Incubation *[Avian* **eggs** including poultry]. 024035
Susceptibility of chickens to *avian* **encephalomyelitis** virus. I. Clinical observation on day-old-chicks inoculated by various routes. 024490
Outbreak of *avian* **encephalomyelitis** in chicks raised in [South] Korea. 024689
The *avian* **erythrocyte:** a study of fixation for electron microscopy. 023530
The onset and progress of transformation of *avian* slow into **fast** muscles under neural influence [Chickens]. 023612
Avian **febrile** response [pigeons]. 023545
Long-term effects of [the *avian* **frightening** agent] 4-aminopyridine exposure to birds and fish. 029142
The expression of *avian* **Gs** antigen in mammalian Rous sarcoma virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
XIIIth International Symposium on Laboratory Animals, Hruba Skala, April 23-25, 1975 *[Avian* **immunology,** abstracts of papers]. 024526
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of *avian* **infectious** bronchitis virus in chick kidney cells. 024420
The polypeptide composition of *avian* **infectious** bronchitis virus. 024427
Experimental studies on the immunization of *avian* **infectious** bronchitis virus: immunogenicity of the CK [chicken kidney] attenuated virus. 024482
Demonstration of *avian* **influenza-A** virus in Iran by immunodiffusion technique. 024436
Development and ecological significance of the *avian* **intestinal** flora. 023424
Histochemical investigation on the kidney of vertebrates. VI. The *avian* **kidney.** 023267
Testing and management of a specific pathogen free chicken flock with special reference to *avian* **leukosis** virus infections. 024400
Vitellogenin synthesis in the *avian* **liver:** vitellogenin in the precursor of the egg yolk phosphoproteins. 023491
A comparison of intestinal amino acid absorption in various *avian* and **mammalian** species. 023375
Characterization and localization of the RNA synthesized in **mature** *avian* erythrocytes [Chickens]. 023398
Myotonia and block of chloride conductance by iodide in *avian* **muscle** [Chickens, pigeons]. 023222
Focus assay and defectiveness of *avian* **myeloblastosis** virus [Chick embryos]. 024764
An antigen in **normal** *avian* cells which confuses virological and serological tests [Chickens]. 024454
Hemagglutinating properties of CELO [chicken-embryo-lethal-orphan], an **oncogenic** *avian* adenovirus. 024437
The determination of five steroids in *avian* **plasma** by radioimmunoassay and competitive protein-binding. 023655
Decarboxylation of oxalacetate to pyruvate by **purified** *avian* liver phosphoenolpyruvate carboxykinase. 023479
Some physiological characteristics of motility in the in **vivo** *avian* oviduct [Chickens]. 024039

AVICULTURE
Feeding and pigmentation in *aviculture* **[Poultry].** 023927
Feeding and pigmentation in *aviculture* **[Poultry].** 023928

AVOCADOS
The origin of the methyl groups of abscisic **acid** [in *avocado].* 027254
Fat metabolism in higher plants: metabolism of medium chain fatty **acids** *[Avocados].* 027214
Agroecological characteristics of growing **conditions** of *avocados.* 027292
Further research on *avocado* **[Culture].** 027749
Observations on vegetative propagation of *avocados* **(Persea** americana) at Thika. 027618
Polyphenol oxidase activity and browning of **three** *avocado* varieties [resulting from mechanical injury]. 028385

AXENIC
Some observations on the morphology of Enteromorpha linza (L.) J. Ag. and Enteromorpha compressa (L.) Grev. in *axenic* **culture** [Algae]. 025962

AXIS
Studies on hook-opening in Phaseolus vulgaris L. [Kidney beans], by selective R/FR pretreatments of **embryonic** *axis* and primary leaves. 027221
Role of cotyledons in germination and dormancy breaking of apple **embryonic** *axis,* after treatment with abscisic acid. 027232

AXONS
The electrophysiology of transduction, retinal interaction and *axonal* **conduction** in invertebrate photoreceptors [Includes insects]. 029314
Giant *axons* in the central nervous system of Ctenomorphodestessulatus (Gray), an Australian stick insect. 029393

AZALEAS
What do the growers need in *azalea* **novelties:** (Rhododendronsimsii Planch.)? 027828

AZINPHOSMETHYL
Diazinon, *azinphosmethyl,* **cyanophos,** phoxim, and mocap. 029121
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] *azinphosmethyl,* and **malathion,** and with LV [low-volume] methyl parathion [on cotton]. 028755

AZIRIDINYL
Effects of in-vitro treatment of boar spermatozoa with TEPA *[tris(1-aziridinyl)phosphine* **oxide]** on the fertilization and development of pig eggs. 024118
The sterilizing effect of tris (1—*aziridinyl)* **phosphine** sulphide (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. 028998
The inhibiting effect of **tris** *(1-aziridinyl)* phosphine sulphide (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). 028997

AZOTOBACTER
Radiation studies on *Azotobacter* **chroococcum** [soil bacteria]. III. Photoreactivation and mutagenicity. 030392
Radiation studies on *Azotobacter* **chroococcum** [soil bacteria]. IV. Effect of a temporary block of DNA replication on excision repair. 030393
The pyruvate-dehydrogenase complex from *Azotobacter* **vinelandii.** 1. Purification and properties. 022423
The pyruvate-dehydrogenase complex from *Azotobacter* **vinelandii.** 2. Regulation of the activity. 022424
The pyruvate-dehydrogenase complex from *Azotobacter* **vinelandii.** 3. Stoichiometry and function of the individual components. 022425
Encystment and germination in *Azotobacter* **vinelandii** [a nitrogen-fixing soil bacteria]. 030329

BABESIA
Animal health considerations involved in the movement of U. S. cattle to Haiti [Infection with *Babesia,* **Anaplasma,** and Boophilus ticks]. 024720
A cold precipitable fibrinogen complex in the plasma of cattle dying from infection with *Babesia* **argentina.** 024787
Studies on serological diagnosis of Korean **cattle** *Babesia* strain by the indirect fluorescent antibody test [Babesiosis]. 024695
Equine piroplasmosis: leukocytic response to *Babesia* **equi** (Laveran, 1901) infection in Chile [Horses]. 024475

BABESIOSIS
Studies on preventive immunization against **bovine** *babesiosis.* 024693
Studies on serological diagnosis of Korean cattle Babesia strain by the indirect fluorescent antibody **test** *[Babesiosis].* 024695

BACILLARIOPHYCEAE
Distantes (Pinnularia, *Bacillariophyceae).* A **critical** compilation [New taxa, algae]. 025759

BACILLUS
Death rates of bacterial spores [isolated from sugar-cane bagasse]: nonlinear survivor curves *[Bacillus* **cereus].** 021863
Control of insect pests with bacteria, the **entomophagous** *Bacillus* species, Bacillus thuringiensis and Bacillus popilliae. 028684
Detection and identification of *Bacillus* **larvae** in a commercial sample of bee-collected pollen [American foul brood disease]. 029813
The effects of Penicillium waksmani growth on American foulbrood infected combs and adult honeybee activity [Apis mellifera, *Bacillus* **larvae].** 029842
Bacillus **penetrans** n. Comb. Causing a virulent disease of plant-parasitic nematodes. 028383
Bacillus **piliformis** infection (Tyzzer's disease) in two foals. 024580
Control of insect pests with bacteria, the entomophagous Bacillus species, Bacillus thuringiensis and *Bacillus* **popilliae.** 028684
Natural occurrence of milky disease bacterium, *Bacillus* **popilliae** Dutky on white grubs in India [Sugarcane pests]. 028720
Selection and utilization of *Bacillus* **thuringiensis** strainsfor microbial control [of injurious insects]. 028654
The nature of *Bacillus* **thuringiensis** endotoxin [Insect biological control]. 028655
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of *Bacillus* **thuringiensis** [Bacteria, insects biological control]. 028660
Control of insect pests with bacteria, the entomophagous Bacillus species, *Bacillus* **thuringiensis** and Bacillus popilliae. 028684
Evaluation of *Bacillus* **thuringiensis** Berliner and insecticides in the control of larvae of Maculella spp. (Lepidoptera, Hepialidae) in pastures. 028702
Action of *Bacillus* **thuringiensis** preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by beta-exotoxin and DDT. 028936
Dispersal of *Bacillus* **thuringiensis** spores by nonsusceptible species of stored-grain beetles. 028975
Susceptibility of Cadra cautella and Plodia interpunctella to *Bacillus* **thuringiensis** on [stored] wheat [Insect pests, biological control]. 028984
Teratogenicity of the thermostable beta exotoxin of *Bacillus* **thuringiensis** in Galleria mellonella. 029429
Preliminary field trials with *Bacillus* **thuringiensis-chemical** insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927

BACKFAT
Scans for *backfat* and **pregnancy** [Swine]. 024159

BACKWATER
Short term effects of **prolonged** *backwater* flooding on understory vegetation. 025888
Backwater **shutters** with a soft covering [Irrigation channels]. 029941

BACON
The microbiological role [controlling Clostridium botulinum] of nitrite and **nitrate** *[Bacon].* 021936
Evaluation of ascorbyl monoesters for the inhibition of nitrosopyrrolidine formation in a model system **[simulating** *bacon].* 022680

BACTERIA
Lipolysis by lactic **acid** *bacteria* recognized through color changes of dye-stained butterfats on double-layered agar plates. 022612

Action spectra of photosynthesis and hydrogen evolution by *bacteria*, **algae**, and higher plants. 026541
Photoinduced hydrogen evolution by *bacteria*, **algae**, and higher plants. 026542
Anti-bacterial and **anti-sperm** effect of [bovine] seminal plasma. 024175
Bacterial **behaviour** in the rhizosphere of Pinus densiflora infected by Tricholoma matsutake. 027318
Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with *bacterial* **black** spot [Erwinia mangiferae]. 028126
Bacterial **black** spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial **black** spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Respiration rate of the mango fruit peel and its association with *bacterial* **black** spot [Erwinia mangiferae]. 028129
Resistance of tomato varieties to **black** *bacterial* spot [Xanthomonas vesicatoria]. 028142
The distribution and the lysis patterns of the bacteriophages of Xanthomonas malvacearum, the incitant of *bacterial* **blight** of cotton. 028149
Bacterial **blight** [Erwinia amylovora] not discovered [but bacterial canker present on apples and pears in Maritime Territory]. 028155
Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and biochemical methods [Agents of *bacterial* **blight** on fruits]. 028156
Interaction of Corynebacterium michiganense *[bacterial* **canker**] and meloidogyne incognita [root-knot nematode] on tomato. 028147
Bacterial **canker** [Agrobacterium tumefaciens] in vineyards. 028154
Bacterial blight [Erwinia amylovora] not discovered [but *bacterial* **canker** present on apples and pears in Maritime Territory]. 028155
Relationship between *bacteria* and **ciliate** protozoa in the sheep rumen. 027426
Bacterial **communidty** in the sea and lake waters polluted with organic substances. 030905
Automatic sample taking equipment for *bacterial* **[contamination]** count in milk tank trucks. 021866
Bacterial **contamination** of beet stored in an atmosphere with carbon dioxide. 022714
Bacteriological **control** of cleaning and disinfection of surface areas [Dairy industry]. 022600
Identification and flagellation of **coryneform** *bacteria* from poultry litter. 024497
Effect of processing, distribution and storage on Vibro parahaemolyticus and *bacterial* **counts** of oysters (Crassostrea virginica). 021923
Texturized soy and *bacterial* **decontaminants** in processed meats. 021961
Inhibitors produced by algae as an ecological factor affecting bacteria in water ecosystems. I. Dependence between phytoplankton and *bacteria* **development.** 025854
Natural occurrence of milky **disease** *bacterium,* Bacillus popilliae Dutky on white grubs in India [Sugarcane pests]. 028720
Physiological and biochemical aspects of specificity in plant-parasite interaction [Fungus and *bacterial* **diseases**]. 027977
Growth requirements of entomogenous bacteria and the nature of some *bacterial* **diseases** of insects [Bombyx mori]. 029789
Control of insect pests with *bacteria*, the **entomophagous** Bacillus species, Bacillus thuringiensis and Bacillus popilliae. 028684
Relationship of Vibrio parahaemolyticus in oysters, water and sediment, and *bacteriological* and **environmental** indices. 021929
Analysis of results of *bacteriological* **examinations** of chopped meats, carried out on samples in the Paris region. 021966
The flora of *bacteria* in **fermented** sausages [Food contamination]. 022208
Total count and *bacterial* **flora** of minced meat with special reference to Enterobacteria and Pseudomonas. 021984
Bacterial **flora** of the nasal mucosa of the horse. II. Gram-positive bacteria. 024712
Sampling from containers, kegs, tanks and drums **[Food** *bacteria].* 021900
The microbiology of [stored] cereals **[Fungi,** *bacteria].* 022741
Antibiotic fermentation, and their regulation **[Fungi,** *bacteria].* 026325
Microbiocidal activities of some amide complexes of diphenyltin dichloride **[Fungi,** *bacteria].* 027947
Treatment of wounds on Acer rubrum with Trichoderma viride [caused by **fungi** and *bacteria].* 027954
Bacterial flora of the nasal mucosa of the horse. II. **Gram-positive** *bacteria.* 024712
Bacterial **growth** in seafood on restaurant premises. 021862
Lipid metabolism during *bacterial* **growth,** sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Bacterial **infection/invasion** in fish flesh [and post mortem storage properties of the fish]. 021931
Verification of effect of *bacterial* **inoculation** [of legumes] with the preparation Rizobin [Rhizobium]. 030553
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis *[Bacteria,* **insects** biological control]. 028660
Electron microscopic study of *bacteria* in the **intercellular** spaces of the root cap of Luzula purpurea Link [Symbiotic associations]. 026034
Production of auxins by [coryneform] *bacteria* **isolated** from the roots of pine seedlings (Pinus silvestris L.). 027303
A simple method for identifying pectinolytic capacities of *bacterial* **isolates** [Plant pathogens] (short communication). 028133
Chemical control of Pseudomonas **lachrymans** *bacterial* disease of cucumbers. 028125
Screening for genetic host resistance against the *bacterial* **leaf** spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Relation of cheddar cheese ripening to *bacterial* **lipolysis** [Lactobacillus casei, L. plantarum]. 022559
Different effects of *bacterial* **lipopolysaccharide** on neonatal immunological tolerance to HSA [human serum albumin] in rabbits and chickens. 024523
Threonine-sensitive homoserine dehydrogenase of Serratia **marcescens** *[Bacteria].* 026606
Methods for growing **nitrogen-fixing** *bacteria* separated from plant cells. 030190
On the possibility of using a jointly cultured system of isolated tissues from legumes and **nodular** *bacteria* for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. 026949
Comparative efficiency of different commercial inoculants of Rhizobium japonicum on field-grown soybeans [**Nodule** *bacteria].* 030220
Tryptophan and indole-3-acetic acid metabolism by Rhizobiummeliloti [Root **nodule** *bacteria].* 030270
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with *bacterial* **outer** unit membrane [Leptospira interrogans canicola]. 024530
Studies on the leaf blight of rice plant. III. A metabolite of the **pathogenic** *bacteria* [Xanthomonas oryzae]. 028151
Action of magnetic and electric fields on the growth and mutation rate of various microorganisms [Escherichia coli, *bacteria,* **Penicillium** chrysogenum, fungi]. 026370
Single-cell protein production by **photosynthetic** *bacteria* [Rhodopseudomonas gelatinosa] cultivation in agricultural by-products. 022385
Quantitative and qualitative studies of **phylloplane** *bacteria* from Lolium perenne. 026979
Antimicrobial action of Pseudomonas on **phytopathogenic** *bacteria.* 028138
Agricultural antibiotics [Control of fungal and *bacterial* **plant** diseases]. 027963
Agricultural antibiotics in India [Control of fungal and *bacterial* **plant** diseases]. 027964
The Genetical Society of Great Britain: Abstracts of papers presented at the hundred and seventy-eighth meeting of the society held on 8th, 9th and 10th July 1975 at the John Innes Institute, Norwich **[Plants,** *bacteria].* 026163
Quantitative and qualitative variations of *bacterial* **population** in polluted and nonpolluted marine environment. 030910
Bacterial **production** of protein from cellulose. I. Effect of composition of mineral nutrient medium on the bacterial utilization of cellulose [Food research]. 022371
Bacterial **production** of protein from cellulose. II. Effect of individual trace elements on cellulose fermentation [Food research]. 022372
Inhibitory effect of alkylarylsulfones on the swarming of **Proteus** *bacteria* [Meat contamination]. 021842
Predominant **psychrotrophic** *bacteria* on fresh and aged ground beef and antelope. 021960
The effect of different methods of salting on certain groups of *bacteria* and **ripening** of Gouda cheese. 022639
Extension of *bacterial* **rodenticides** [Cereal pests, control]. 028466
The orientation of certain **root-nodule** *bacteria* at interfaces, including legume root-hair surfaces. 026648
Rumen *bacteria* and their metabolic interactions. 023427
Studies on the techniques of fractionation of *bacteria* in **rumen** microbial ecosystem. 023428
Growth of *bacteria* **[Serratia** liquefaciens, Hafnia, Lactobacillus] isolated from vacuum-packed beef at low temperatures. 021938
Arthrobacter globiformis: a successful **soil** *bacterium.* 030209
An enrichment technique for auxotrophs of Agrobacterium tumefaciens **[Soil** *bacterium]* using a combination of carbenicillin and lysozyme. 030230
Encystment and germination in Azotobacter vinelandii [a nitrogen-fixing **soil** *bacteria].* 030329
Radiation studies on Azotobacter chroococcum **[soil** *bacteria].* III. Photoreactivation and mutagenicity. 030392
Radiation studies on Azotobacter chroococcum **[soil** *bacteria].* IV. Effect of a temporary block of DNA replication on excision repair. 030393
Death rates of *bacterial* **spores** [isolated from sugar-cane bagasse]: nonlinear survivor curves [Bacillus cereus]. 021863
Bacteriological **status** of respiratory tract of normal fowl. 024545
Bacterial production of protein from cellulose. I. Effect of composition of mineral nutrient medium on the *bacterial* **utilization** of cellulose [Food research]. 022371
Inhibitors produced by algae as an ecological factor affecting *bacteria* in **water** ecosystems. I. Dependence between phytoplankton and bacteria development. 025854
An antibacterial compound from Solanum phureja and its rolein resistance to *bacterial* **wilt** [Pseudomonas solanacearum]. 028146
Technique for the determination of the rate of ethylene production by Pseudomonas solanacearum *[Bacterial* **wilt,** tomatoes, pototoes]. 028148
On the interaction between *bacterial* and **wood** preservatives. 025380
Antigenic independence of some microbial urate oxidases [Fungi, *bacteria,* **yeasts].** 026611

BACTERICIDES

Insect immunity. II. Simultaneous induction of *antibacterial* **activity** and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373
An *antibacterial* **compound** from Solanum phureja and its rolein resistance to bacterial wilt [Pseudomonas solanacearum]. 028146

BACTERIOLOGY

Chemical control and *bacteriology* of **yogurts** (test for codifying techniques). I. Chemical analysis. 021838

BACTERIOPHAGES

The effectiveness of certain **commercial** *bacteriophage* inhibiting media [Streptococcus, dairy product starters, cultures, contamination]. 022640
Phage **types** of Staphylococcus aureus isolated from bovine milk from [cows] affected with mastitis in Japan. 024489
Phage **typing** of Staphylococcus aureus strains isolated in Sweden from bovine milk. 021831
The distribution and the lysis patterns of the *bacteriophages* of **Xanthomonas** malvacearum, the incitant of bacterial blight of cotton. 028149

BAGASSE

Study for the manufacture of unbleached high yield **pulp** from *bagasse.* 025366
Death rates of bacterial spores [isolated from **sugar-cane** *bagasse]:* nonlinear survivor curves [Bacillus cereus]. 021863

BAGGING

Use of **plastic** *bags* in sprinkler irrigation of oilpalm nurseries. 030108
Insect-resistant **textile** *bags:* new construction and treatment techniques [Cotton]. 028988

BAILS

Factors affecting flowering in Regal Pelargonium (Pelargonium x **Domesticum** *Bail)* [Temperature, light]. 027600

BAITS

Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with *Pheromone-baited* **BL** [black light] traps. 028753
Baits for the **control** of the hairy-footed gerbil, Gerbillusgleadowi [Pests of crops]. 028458
Recapture of virgin female Caribbean fruit flies [Anastrepha suspensa] from **traps** *baited* with males. 028859
Attraction of Scolytus multistriatus to *pheromone-baited* **traps** at different heights [Ulmus]. 028930
Termite (Isoptera) suppression with toxic **[wood]** *baits.* 028928

BAKERS

Studies in Antarctic lichens. III. Notes on Rinodina olivaceobrunnea Dodge & *Baker,* from the **Antarctic** and moss-inhabiting species of Rinodina from other parts of the world. 025755
Plants from Madagascar. XV. Some Malagasy Chlaenaceae: Leptolaena **pauciflora** *Baker,* Leptolaena cavaco var. tampoketsensis and Sarcolaena multiflora Dup. Thou.: presence of myricetol heterosides. 026784
Notes on the genus **Pomerantzia** *Baker* with a description of a new species from Indiana (Acarina: Pomerantziidae) [Pomerantzia kethleyi]. 029657
Increase of NADase activity during storage of **pressed** *baker's* yeast [Saccharomyces cerevisiae]. 022369
Baker's **yeast** as a protein supplement in corn meal muffins. 022343
The isolation and characterization of perixosomes (microbodies) from *baker's* **yeast,** Saccharomyces cerevisiae. 026383
Kinetic studies of leucyl transfer RNA synthetase from *Bakers'* **yeast:** Order of addition of substrates and release of products. 026628
Studies on the energy metabolism during the respiratory process by *Baker's* **Yeast** [Saccharomyces cerevisiae]. 026825

BAKING

Quality of the 1975 [cereal] harvest and its influence on *baking* **procedures** of trade flours. 022803
Quality of the 1975 German wheat harvest. 2. Milling and *baking* **quality.** 022802
Usefulness of micromethods for determination of milling and *baking* **quality** of wheat grain. III. Comparison of qualitative characters and varieties and lines of wheat. 027415
Effects of *baking* **technology** on the combination of mold control products and amylase preparations. 021892

BALES
Effect of cubing or *baling* **alfalfa** on rumen function [Cattle]. 023858
Baled **hay** productivity can be improved. 023022
Large *bales,* heaped straw with future [Equipment]. 030031
The New Holland 1000 *bale* **loading** truck. 030049
Tomatoes on **straw** *bales* in unheated greenhouses [Yields]. 027791

BALLOONS
Advanced coronary atherosclerosis in swine produced by combination of *balloon-catheter* **injury** and cholesterol feeding. 024837

BAMBOO
Adaptability study on **Chu-pien** *bamboo* [Bambusa beecheyana Munro var. pubescens (Li) Lin] grown in Taiwan. 027307
Site and growth of the **important** *bamboo* plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the yield tables]. 025080
Measures of control of *bamboo* **shoots** rot [Coniosporium bambusae]. 028098

BAMBUSA
Site and growth of the important bamboo plantations in Taiwan. V. Chu—pien bamboo *[Bambusa* **beecheyana,** weight and the yield tables]. 025080
Adaptability study on Chu-pien bamboo *[Bambusa* **beecheyana** Munro var. pubescens (Li) Lin] grown in Taiwan. 027307

BANANAS
Field trials on Dwarf **Cavendish** *bananas* in southern Malawi. I. Spacing and pruning. 027601
Field trials on Dwarf **Cavendish** *bananas* in southern Malawi. II. Fertilizers and mulching. 030398
Fluorescent product accumulation in ripening fruit *[Bananas,* **pears].** 022958
Status of *banana* **production** in Ethiopia. 027630
A note on transaminases in the ripening of *bananas* on **storage.** 027163
Banana **trials** in northern Sudan. 027590
Moko disease: its recognition and control [Pseudomonas solanacearum, *bananas,* **Venezuela].** 028145

BANGIACEAE
The **genus** *Porphyra* C. Ag. (Rhodophyta-Bangiales) in the American South Atlantic. I. Brazilian species [Algae]. 025630
Studies on fat-soluble substances of laver (Susabinori, *Porphyra* **yezoensis)** [Algae]. I. Identification of sulfolipid. 026353

BANKS
Organization of a forest **data** *bank* in view of its use by computer. 025078
Carbohydrate nutritive value of several feeds on farms of the *Dnieper-right-bank* **forest-steppe** region of the Ukraine. 023941
Implications of government **land** *banks* and residency requirements for agricultural land use. 021172
Implications of government **land** *banks* and residency requirements for agricultural land use. 021173
Public **land** *banking* and the price of land. 021197
The role of trees in **river** *bank* control. 030605

BARIUM
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and *barium* in the **Steiger** slates (Vosges, France). 030200

BARK
Entomophagous enemies of *bark* **beetles** [Natural control]. 028964
Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and compost of *bark* on **citrus** trees. 030433
The pulping of woods with *barks.* I. The **cleaning** of mixed stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
A new tissue essential to necrophylactic periderm formation in the *bark* of four **conifers** [Abies, Tsuga heterophylla, Thuja plicata]. 025974
Appearance of *bark* **cracking** and process of healing of the cracks caused by low temperatures on trees of Populus X euramericana clone I-214. 025062
Utilization of the **heat-treated** *bark* as a filler of wood adhesives. 025431
Indian *bark* and timber beetles. VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [New taxa]. 029676
The **pine** *bark* bug, Aradus cinnamomeus Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and significance in forestry. 028955
The use of decomposed **pine** *bark* [waste] as a substrate for growing Gerbera. 030406
Phenolic acids of the *bark* of **Pinus** silvestris, Pinus sibirica, and Pinus abies nephrolepis. 025277
Effect of excessive moisture on the anatomic structure of the *bark* of **Pinus** sylvestris. 027320
The pulping of woods with barks. I. The cleaning of mixed stock, wood and *bark* **pulp** from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
Barking by **red** deer in mountain localities. 025026
New method of *bark* **removal** from logs. 025445
Roll *bark* production in Hunsruck. 025295
Alkaloids from the **root** *bark* of Zanthoxylum myriacanthum. 026715
Peat, [Pseudotsuga menziesii] *bark* and **sawdust** mixtures fornursery substrates. 030403
Bark **split** disease of prune trees and its association with strains of apple chlorotic leaf spot [virus]. 028172
Storage of red alder [Alnus rubra] chips with and without *bark*—**treated** and untreated. 025533
Shredded **tree** *bark* as a soil conditioner in potato soils of New Brunswick, Canada. 030532
On parameters of forces in relation to *barking* of **wood.** 025401
Pneumatic transport of *bark* [**Wood** processing, pulp and paper]. 025452
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from *bark* and **wood** of apple shoots. 027204

BARLEY
Uptake of picloram [herbicide] by roots of **alfalfa** and *barley.* 026934
X-ray microanalysis in **botany** *[Barley].* 026981
Effects of early and late infectious of **BYDV** *(barley* yellow dwarf virus) on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. 028230
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Wheat, *barley,* **chickpeas,** rice]. 026967
Ultrastructural study of [kohlrabi and *barley]* **chloroplasts** isolated by various fractionation methods. 025935
Effects of nitrogen on the protein **content** of *barley.* 022746
Note on the rubidium as a substitute for potassium in *barley* **crop** [Fertilizers]. 030469
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. III. A quantitative Hansch analysis *[Barley,* **Erysiphe** graminis, powdery mildew]. 028042
Loose smut of wheat and *barley,* **even** though the seed has been dressed [Ustilago nuda]. 028044
The effect of some storage parameters on biochemical changes in [malting] *barley* **grain.** 022822
Barley **grass** damage to lambs. 024986
Laboratory germination of *barley* **grass.** 027038
Effect of ethofumesate on *barley* **grass** [Hordeum] and other pasture species [Control]. 028553
Factors affecting herbicide control of *barley* **grass** [Hordeum]—pot trials. 028556
Photosynthesis of newly matured leaves during the ontogeny of *barley* **grown** at different nutrient levels. 026931
A comparison of two rapid screening methods for the selection of **high-lysine** *barleys.* 026203
Changes in proteins, phosphatase and ribonuclease activity in *barley* **(Hordeum** sativum) seeds during germination. 026957
Effects of early and late infectious of BYDV (barley yellow dwarf virus) on cultivars of *barley* **(Hordeum** vulgare) with and without the Yd2 gene. 028230
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of *barley* **infected** by the take-all fungus Gaeumannomyces graminis. 027898
Kinkora: a **jointworm-resistant** *barley* [cultivar]. 027382
The effect on the yields of *barley* and **kale** of soil conditions induced by cultivation at high moisture content. 027422
Distribution of cadaverine and other amines in higher plants **[Legumes,** *barley].* 027006
Biosynthesis of chlorophyll b in a homogenate of green leaves in the dark and under **light** *[Barley].* 026947
Characterization of the terminal stages of chlorophyll(ide) synthesis in etioplast membrane preparations [from **maize** and *barley].* 026904
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption **[Maize,** *barley].* 027061
Advice for **malting** 1975 *barley.* 022742
Screening of **malting** *barley* in the laboratory: a new laboratory screening apparatus for the grading of malting barley and other grains. 022743
Structure-activity relationships in fungitoxicants related to triforine and chloraniformethan. II. Redistribution on *barley* and **marrow** seedlings. 028041
Influence of powdery mildew [Erysiphe graminis] on mitotic cell division of apical root **meristems** of *barley.* 028046
Development of photoreductive activity in plastids of a virescens **mutant** of *barley.* 026930
Waxy vs **normal** *barley* in rat and pig diets. 023868
The most valuable varieties of *barley* and **oats.** 026272
Dynamic characteristics of growth of the plant root system and methods of their determination **[Oats,** *barley].* 027000
Perth *barley* [cultivars]. 027383
Hormone mediated integration of seedling **physiology** *[Barley].* 026882
L-lysine and DL-methionine supplements in *barley-soy* **pig** diets. 023864
Establishment of new sources of resistance to the groups of races of *barley* **pollen** smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. 026166
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and fungitoxicity to Erysiphe graminis on *barley* **[Powdery** mildew]. 028040
Barley **production** in Manitoba. 027476
Effect of **replacing** *barley* with tapioca meal at two different levels of feeding on the growth and health of early weaned pigs. 023792
Comparison of isomers of fluorophenylalanine as inhibitors of ion transport across *barley* **roots.** 026901
Inhibition of phosphate uptake in *barley* **roots** by hydroxy-benzoic acids. 027008
Soil-moisture studies in *fallow-barley* **rotation** under mulches, antitranspirant and type of seed bed. 027425
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from *barley* **seedlings** and yeasts]. 026773
Display of two reaction patterns after exposure of *barley* **seeds** to gamma radiation of 60Co [cobalt isotope] in air. 026916
Determination of infectibility of *barley* by loose **smut.** 028110
Double cropping and fertility levels under irrigation in eastern New Mexico **[Sorghum,** *barley].* 027496
Pythium root rot of *barley* in **southwestern** Ontario. 027933
The development of ruminant digestion in the calf. I. The digestion of *barley* and **soya** bean meal. 023697
Hereditability of caryopse weight in **spring** *barley* hybrids. 026167
Stress of **spring** *barley* internodes on tension. 026881
Biologic losses of **spring** *barley* [caused by overgrowing]. 027347
Further multivariate analysis of the assortment of **spring** *barley* from several places during two years. 027411
Fundamentals of a powdery mildew [Erysiphe graminis] forecast on **spring** *barley.* 028106
Dependences of some physical-mechanical quantities on internodes of *barley* **stalks** of the Dvoran and Sladar varieties. 026879
Concentration of the *barley* **stripe** mosaic virus during disease development. 028159
Influence of chloroform evaporation on isolation and infectivity of *barley* **stripe** mosaic virus. 028161
The effects of processing of *barley-based* **supplements** on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of dried grass in sheep. 023708
Relation between percent of infection of plants and heads as criterion for evaluation of susceptibility of *barley* to **Ustilago** nuda (Jens.) Rostr. 027960
The yield and quality of grain of *barley* **varieties** under different mineral fertilization levels [in breeding intensive types]. 026278
Physiological aspects of nitrate utilisation in a *barley* **variety** exhibiting high seed protein content. 026986
Plastid development in a **virescens** *barley* mutant and chloroplast microtubules. 026112
An analysis of the problem of lodging with particular reference to **wheat** and *barley.* 026017
Good seed *[Barley,* **wheat].** 027479
Selective control of wild oats [Avena fatua] in *barley* **withAC** 84777. 028503
Mutagenic activity of hydrazine and its combinations with maleic hydrazide and **X-rays** in *barley.* 026135
Epidemiological problems of *barley* **yellow** dwarf virus in Hungary. 028160
Problems and possibilities for control of BYDV *[barley* **yellow** dwarf virus] in Britain [Aphids, vectors]. 028162
Aphid transmission and epidemiology of *barley* **yellow** dwarf and maize dwarf mosaic in southern France. 028696

BARNS
The use of rigid wood frames, a method of self help construction in **agriculture** *[Barns].* 029937
The "meat plan": From the law to the *barn* **[Cattle,** feeding]. 023922
The "meat plan: From the law to the *barn* **[Cattle,** feeding]. 023923
Building designs and equipment for **[cattle]** *barns.* 029950
Cattle *barns* and their mechanization [Designs]. 029954
Analysis of costs for **cow** *barn* modernization. 021358
Design of a **cow** *barn* for 510 dairy cows. 029892
Modernization of two-row **cow** *barns.* 029895
Possibilities of lowering construction costs on **dairy** *barns.* 021416
Hens and swine in Hanover *[Barns* and **equipment].** 029922
Four diffeent planning examples of *barns* for **fattening** swine. 029920
Horse *barn* capacity 88 horses. 029960
A thousand swine per **inhabitant** *[Barns].* 029917
Maternity *barn* for dairy cows. 029962
A **new** *barn* consciousness [Odor control]. 030845
In the [cattle] *barn* **odors** are intense. 030846
Methods and tools for measuring **odors** [from *barns].* 030972
Piglet *barns* for early weaning with help of batteries. 029925
Selection of heating installations for **piglet** *barns.* 029947
Group rearing of pregnant **sows** *[Barns].* 029921
Dry or fluid feed, alternatives for fattening **swine** *barns.* 023732

Treating waste air from **swine** *barns.* 030936

BARNYARD
Use of Mixi-Tok S [herbicide] in maize against *barnyard* **grass.** 028593
Effects of fertilizer, *barnyard* **manure,** and crop residues on irrigated crop yields and soil chemical properties. 030437

BARTLETT *see* PEARS

BASALTS
Charge distribution in smectites developed from *basalts* in **Madhya** Pradesh. 030234
Mineralogy of a few *basaltic* **soils** of Madhya Pradesh. 030315

BASIDIOMYCETES
Ultrastructural organization of cystidia in the *Basidiomycete* **Agrocybe** praecox [Fungi]. 026027
Interesting and new species of *Basidiomycetes* [**Campanella,** Russula, Fungi] from Ecuador. 025771
Influence of some physical factors on the fructification of *Basidiomycetes* **higher** fungi (Bibliographic study). 026431
Inoculation of *Basidiomycetes* into **mice:** tissue reaction and survival of fungi in tissues. 024649

BASIDIOSPORES
Basidiospore **form** in the British species of Naucoria, Simocybe and Phaeogalera [Fungi]. 025730
Scanning electron microscopy of *basidiospores* as an **indication** of relationships among hypogeous Gasteromycetes [Fungi]. 025780

BASINS
The [French river] *Basin* **agency:** its role in pollution control. Aids contributed to organization. 030853
A hydrogeological study of **artesian** *basins* from data of surface geophysical investigations. 030750
Nitrogen utilization during spring blooms of marine phytoplankton in **Bedford** *Basin,* Nova Scotia, Canada. 026667
Genesis and distribution of clay minerals in catenary soils of **Chatisgarh** *basin* of Madhya Pradesh. 030309
Conditions of formation and regional evaluation of subsurface discharge in fold-mountain regions (as exemplified by the *basin* of the **Chusovaya** River in the middle Urals) [Groundwater]. 030754
A note on the fossil [Dicroidium] megafloras of the Nymboida and Red Cliff Coal Measures, southern **Clarence-Moreton** *Basin,* New South Wales. 025717
Costs and returns for selected crops in **Closed** *Basin,* San Luis Valley, Colorado, 1974. 021368
Microbial ecology and erosion: domestication of soil microbes and erosion of the Plata **River** *basin.* 030583
The 1973 Mississippi **River** *basin* flood: compilation and analyses of meteorologic, streamflow, and sediment data. 030697
Wisconsin's participation in the **river** *basin* commissions. 030733
Effect of soil erosion from *basins* on the **sediment** transport regime in rivers. 030628
Water balance investigations in regions of well-developed irrigated agriculture (exemplified by the **Syr-Darya** *basin).* 030783
Relations between soil moisture content and crop yield on a Tonschwarzerde soil in the central part of the **Thuringian** *Basin.* 030182
Protection of waters in **Volga** *basin* from pollution. 030984
Pollutant mercury and sedimentation in the **western** *basin* of Lake Erie. 030949

BATHYPLECTES
Biology of Eupteromalus americanus: A hyperparasite of *Bathyplectes* **curculionis.** 028637
Field survival of **diapausing** *Bathyplectes* curculionis, a parasite of the alfalfa weevil [Hypera postica]. 028731

BATS
Parasitic mites of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and **desmodontid** *bats,* with a key to known species [New taxa]. 029527
Vitamin B12 metabolism in the **fruit** *bat* (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. 022061

BATTERIES
Improvement of the *battery-dephlegmating* **method** of extraction [of colophony]. 025309
Piglet barns for early **weaning** with help of *batteries.* 029925

BAYGON
Ultralow volume ground aerosols of **propoxur** *(Baygon* MOS) for control of adult mosquitoes [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029056

BEAMS
The effect of poor gluing on the strength of glued **wooden** *beams* under a uniformly distributed load. 025413

BEANS
The western bean cutworm [Loxagrotis albicosta] on *beans* **and[sweet]** corn. 028830
Transmission of **broad** *bean* stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
Metabolism of isoxathion, O,O-diethyl O-(5-phenyl-3-isoxazolyl)-phosphorothionate in plants *[beans,* **cabbage,** Chinese cabbage]. 027099
Little-known pest of **cacao** *beans* [Mussidia nigrivenella]. 028692
Crown-gall [Agrobacterium tumefaciens] on **castor** *bean* leaves. V. Effect of light and chlorophyll content on tumour initiation. 028130
Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles [Potatoes, radishes, *beans,* **cauliflower].** 027235
Asynapsis in **cluster** *bean* (Cyamopsis tetragonoloba (L.) Taub.). 026300
Crop physiological aspects of **coffee** *bean* yield: a review. 026638
The nature of [kidney] bean yield reduction by bean yellow and *bean* **common** mosaic viruses. 028263
Toxicity of organophosphorus systemic pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated **control,** *beans].* 028839
Penoxalin, a new selective herbicide for weed control in peas, *beans* and other **crops.** 028562
Effect of some soil amendments on plant growth, survival and yield of **dry** *beans* (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379
Applications of post-emergence herbicides in pea and **dwarf** *bean* crops. 028584
Adapting an **experimental** *bean* cooker for automatic recording. 022925
A comparison of the protein nutritive value and composition of four cultivars of **faba** *beans* (Vicia faba L.) grown and harvested under controlled conditions. 022145
Effective utilization of **feed** *beans* in rations of fattened swine. 023795
Influence of isolation distance on genetic contamination of **field** *bean* (Vicia faba L.) seed produced in small plots. 026190
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to **field** *beans* (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
Study on timing application of some insecticides for control of *bean* **fly** (Melanagromyza phaseoli Coq.). 028888
Productivity of vegetable crops in a region of high solar input. IV. Field chamber measurements on **French** *beans* (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124
French *bean:* production, varieties and use [Colombia]. 027757
Effects of light and temperature on nodulation of cowpea and **hyacinth** *bean.* 027189
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility **[Kidney** *beans,* rape, sesame, cotton, cowpeas]. 022787
New improved **kidney** *bean* varieties for internal comsumption and export [Breeding for mosaic resistance, Chile]. 026281
Factors affecting the molecular structure and the agglutinating ability of concanavalin A and other lectins **[Kidney** *beans,* wheat, soybeans]. 026954
Precipitation reactions between components of plant tissue extracts [Jackbeans, **kidney** *beans,* pigeon peas]. 027123
Investigation on the long distance transport of some foliar applied 14C [carbon isotope]-labeled amino acids **[Kidney** *beans].* 027129
Appraisal of ethylene production as a test for defoliants **[Kidney** *beans].* 027186
Studies on hook-opening in Phaseolus vulgaris L. **[Kidney** *beans],* by selective R/FR pretreatments of embryonic axis and primary leaves. 027221
Preparation and purification of an enzyme system for ethylene synthesis from acrylate **[Kidney** *beans].* 027231
Auxin transport inhibitors fluorescein and related compounds **[Kidney** *beans].* 027260
The effect of distant nodulation on the activity of nodules in pea (Pisum sativum L.) and dwarf **kidney** *bean* (Phaseolus vulgaris L.). 027290
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris **[kidney** *beans]* with tritium labeled uredospores of Uromyces phaseoli. 027908
Partial purification and serological relationship of three strains of bean yellow mosaic virus **[Kidney** *beans,* peas]. 028217
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in **[kidney]** *bean.* 028262
Systemic infestation by cucumber mosaic virus on **kidney** *beans* (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Photosynthetic reduction of nitrite gas injury to vegetables [Cucumbers, **kidney** *beans].* 028316
Effect of volatile substances from species of Labiatae on rhizospheric and phyllospheric fungi of Phaseolus vulgaris **[Kidney** *beans].* 030282
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in plants (etiolated wheat germs, and *bean* **leaves).** 026878
Effect of a non-localized infection by southern bean mosaic virus on a cell wall glycoprotein from *bean* **leaves.** 028260
A comparison of predation by the pentatomids, Podisus maculiventris **(Say)** and Stiretrus anchorago (F.), on the **Mexican** *bean* beetle, Epilachna varivestis Mulsant [pest of soybeans]. 028705
Suppression of **Mexican** *bean* beetle [Epilachna varivestis] on soybeans with annual inoculative releases of Pediobius foveolatus. 028738
Laboratory rearing of the **Mexican** *bean* beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and host-parasite ratios. 028850
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating plant cells **[Mung** *beans,* pea, celery]. 026024
14C [carbon isotope] incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in green gram **[Mung** *beans].* 027164
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) **[mung** *beans]* and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Persistence of endosulfan [insecticide] on "moong" **[mung** *beans]* and **"arhar"** [Pigeonpeas] crops. 028845
Resistence of phorate [insecticides] on 'muung' [mungo beans] and 'arhar' **[mung** *beans]* crops. 028847
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) **[Mungo** *beans].* 028842
Resistence of phorate [insecticides] on 'muung' **[mungo** *beans]* and 'arhar' [mung beans] crops. 028847
Insect pests of leguminous crops **[Peas,** *beans].* 028909
Rapid determination of tryptophan in *beans* **(Phaseolus** vulgaris) [maize and wheat] by the acid ninhydrin method. 022920
Replacement of Mg2+ [magnesium] by polyamines in the aminoacylation of tRNA from **Phaseolus** *[Beans].* 027250
Cell-free synthesis of the major storage protein of the *bean,* **Phaseolus** vulgaris L. 027262
Heritable variation in a polypeptide subunit of the major storage protein of the *bean,* **Phaseolus** vulgaris L. 027272
Occurrence and distribution of nitrates in *beans* **(Phaseolusvulgaris** L.) grown in different nitrogen supply conditions. 027152
Metabolic behaviour of water-soluble fluorescent whitening agents in the rat and *bean* **plant.** 023389
Increasing the production and **purchase** of *beans.* 021825
Histopathology of infection of *bean* with **Pythium** myriotylumcompared with infection with other Pythium species. 027918
Studies on the effect of aminotriazole on chloroplast development in Phaseolus **radiatus** L. *[Beans].* 028509
The pollination and set of the early flowers of **runner** *bean* (Phaseolus coccineus L.). 027205
Cell wall glycoproteins and polysaccharides of mature **runner** *beans.* 027243
Cell wall glycoproteins and polysaccharides of parenchyma of Phaseolus coccineus **[Runner** *beans].* 027244
Growth regulator levels in embryo and suspensor of Phaseolus coccineus at two stages of development [Scarlet **runner** *beans].* 027277
Shoot zone uptake of soil-applied herbicides in some legume species [Broadbeans, scarlet **runner** *beans,* vetch]. 028603
Bean **rust** [Uromyces phaseoli typica]. 027956
White mold [Whetzelinia **sclerotiorum]** of *beans.* 027957
Weed control in **snap** *beans.* 028577
Effect of a non-localized infection by **southern** *bean* mosaic virus on a cell wall glycoprotein from bean leaves. 028260
The development of ruminant digestion in the calf. I. The digestion of barley and **soya** *bean* meal. 023697
The utilization by preruminant lambs of milk replacers containing isolated **soya** *bean* protein. 023699
The utilization by preruminant lambs of isolated **soya** *bean* protein in low protein milk replacers. 023700
Response of two **soya** *bean* cultivars to manganese toxicity as affected by pH [hydrogen-ion concentration] and calcium levels. 028333
The effect of 2,4-D on the permeability of plant **tissues** *[Beans].* 028356
Tetranychus urticae Koch. Study on resistance of *beans* to the **two-spotted** spider mite, Tetranychus urticae Koch. 028889
New technique saves irrigation **water** *[Beans].* 030634
The **western** *bean* cutworm [Loxagrotis albicosta] on beans and[sweet] corn. 028830
Partial purification and serological relationship of three strains of *bean* **yellow** mosaic virus [Kidney beans, peas]. 028217
The nature of [kidney] bean yield reduction by *bean* **yellow** and bean common mosaic viruses. 028263
Resistance in Glycine max [soybean] to isolates of *bean* **yellow** mosaic virus in New York State. 028268
The nature of [kidney] *bean* **yield** reduction by bean yellow and bean common mosaic viruses. 028263

BEAUVERIA

Utilization of *Beauveria* **tenella** (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, pest of pine trees] in the Mari Autonomous Soviet Socialist Republic. 028950

BEDS

Container production of cashew seedling rootstocks—seed germination in *beds* as an **alternative** to direct sowing. 027595
Initial weed control in Douglas fir [Pseudotsuga menziesii] **nursery** *beds* at Rangiora. 028532
Displacement washing of **packed** *beds* of cellulose fibres. 1. Mathematical model. 025484
"Migration" of blowouts in **seagrass** *beds* at Barbados and Carriacou, West Indies, and its ecological and geological implications. 025869
Soil-moisture studies in fallow-barley rotation under mulches, antitranspirant and type of **seed** *bed.* 027425
Histamine receptors in peripheral **vascular** *beds* in the cat. 023325

BEECHES

Growth of the understorey and *beech* **[Fagus]** stands of a young age. 025119
Thinning in a maple *[Acer]-beech* **[Fagus]** stand in view of producing yellow birch [Betula alleghaniensis] wood. 025223
The pulping of woods with barks. I. The cleaning of mixed stock, wood and bark pulp from *beech* **[Fagus]** wood, by the use of the 600 Bauer centri-cleaner. 025274
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on shrinkage property of *beech* **[Fagus** sylvatica] wood. 025427
The leaf anatomy of *beech,* **Fagus** grandifolia. 025985
The leaf anatomy of *beech,* **Fagus** grandifolia. 025986
Environmental influences on the nutrient cycle of a *beech* **[Fagus]** forest on acid soil. 027316
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in two soils of a *beech* **forest** (Retz forest). 030273
Auxometric investigations on *beech* **groves** of the Gargano [Fagus, forest mensuration]. 025102
The dynamics of Hueston Woods and a review of the question of the successional status of the **southern** *beech-maple* forest [Fagus grandifolia, Acer saccharum]. 025889
Branch grading indexes after size in pedunculate oak, sesile oak and *beech* **stands** [Quercus, Fagus]. 025161
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on drying property of *beech* **wood** [Fagus sylvatica]. 025428

BEEF

AI *beef* management with prostaglandin F2alpha controlled estrus [Cattle]. 024192
Microwave and conventional cooking in relation to quality and nutritive value of *beef* and **beef-soy** loaves. 022232
Study of the quality of *beef.* I. **Biochemical** study of the aging of young bull meat. 022643
Short-term feeding of methionine hydroxy analog to *beef* **brood** cows: Does it increase calf weaning weights? 023907
Producing and marketing **Canada's** *beef* in a North American community. 021614
Variations in the amount, distribution and texture of intramuscular fat within muscles of the *beef* **carcass.** 022671
Further evaluation of conventional and hot-boned bovine longissimus dorsi muscle excised at various conditioning periods *[Beef* **carcasses,** tenderness]. 022681
Beef **[cattle]** feedlotting—a discussion paper [Financial management]. 021314
Financial aspects of *[beef* **cattle]** feedlot management in New Zealand. 021428
Methods of *beef* **cattle** production in the U.S.A. 3. Balance and critical study of the American system [Costs and returns]. 021440
Veal productivity of calves of dairy and *beef-dairy* **[cattle]** breeds in conditions of industrial technology [Costs, returns, meat composition]. 021460
Comparison of the growth and carcass composition of purebred Angus and crossbred Hereford-Angus and Friesian-Angus steers *[Beef* **cattle].** 022695
The role of trees [as windbreaks] in improving energy utilization by *beef* **cattle** [Housing]. 023116
Beef **cattle** research, Fort Reno. 023148
Influence of birth date and dam's age on early growth in *beef* **cattle.** 023619
Serum alkaline phosphatase isoenzymes in *beef* **cattle.** 023637
Effect of the rearing in mountainous regions on the productivity of *beef* **cattle.** III. Results of the fattening experiments. 023780
Feed intake and growth in New Zealand feedlots *[Beef* **cattle].** 023828
Utilization of sugarcane leaf and poultry manure in *beef* **cattle** rations. 023846
Studies on all season management of *beef* **cattle** with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their compensational growth in spring. 023875
The wheat plant for cows [Pastures, *beef* **cattle].** 023910
New method of liquid feeding of *beef* **cattle.** 023917
An objective method for evaluating Angus and Hereford sperm motility *[Beef* **cattle].** 024083
Presenting beef information [use of artificial insemination in *beef* **cattle,** progeny test]. 024169
A genetic analysis of postweaning gain in Herefords *[Beef* **cattle].** 024191
Can *beef* **cattle** be artificially inseminated at preset times? 024210
How rapidly can growth rate be increased in *beef* **cattle** by selection? 024211
Observations on a herd of *beef* **cattle** maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. 024739
Epiphysitis in *beef* **cattle** fattened on slatted floors [Lameness]. 024914
A complete forage plan for Wisconsin livestock [Range management, *beef* **cattle].** 027346
Performance of bulls on Arkansas **cooperative** *beef* bull performance test 13. 024202
The effect of winter feed levels of reproductive performance of *beef* **cows** and heifers. 023908
Effect of flumethasone induced calving on the postpartum interval of *beef* **cows** [Fertility]. 024195
Yield and composition of midland bermudagrass [Cynodon dactylon] selected by *beef* **cows** and calves. 027424
Problems of linebreeding and **crossbreeding** *beef* cattle. 024028
Dairy *beef* production as influenced by sex, protein level and diethylstilbestrol. 023758
Effects of ration protein level and diethylstilbestrol implants on **early-weaned** *beef* bulls. 023763
Results of the first step in **establishing** *beef* cattle on the Polivanovka Experimental Farm. 024247
Beef: to **export** is to adapt itself. 021621
Why I expanded into *beef* **farming.** 021261
Nutrition of **feedlot** *beef* cattle in New Zealand. 023830
One thousand pounds of **finished** *beef* per acre? [Pasture management]. 027484
Purdue research applied to **finishing** *beef* cattle. 023738
The importance of *beef* in the **future** A.I. [Artificial insemination] industry. 024174
Dairy bulls are also judged on *beef* in the **German** Federal Republic. 023133
Implications of the proposed changes in *beef* **grades.** 021829
Back home on the range: calf, **grass-fed** *beef.* 022309
Grass-fed *beef* is cheaper, but is it for you? 022365
Predominant psychrotrophic bacteria on fresh and aged **ground** *beef* and antelope. 021960
Chilled food systems [Quality-related propeties of cooked **ground** *beef* loaves]. 022666
Effect of quality grade and cut formulation on the palatability of **ground** *beef* patties. 022679
Oxidation of NADPH by submitochondrial particles from *beef* **heart** in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Effect of shortening during cooking on the tenderness and **histology** of *beef.* 022686
Reserves for **increasing** *beef* production [Cattle feeding, breeding]. 023173
Calf [supply] replenishment of farms specializing in **intensive** *beef* production. 021347
The demand for *beef* in **Japan:** an economic analysis and implications. 021472
Control of estrus in **lactating** *beef* cows with prostaglandin F-2alpha and estradiol benzoate. 024089
Exposure of meat to methyl bromide during refrigerated-store pest control; residues in *beef* and **lamb** and effect on quality. 028985
Research on nutrition of meat and extender blends shows PER of mixtures close to that of **lean** *beef.* 022341
Formation of transient complexes in the glutamate dehydrogenase catalyzed reaction *[Beef* **liver].** 023297
Chilled food systems; effects of chilled holding on quality of *beef* **loaves.** 022119
Microwave and conventional cooking in relation to quality and nutritive value of beef and *beef-soy* **loaves.** 022232
Beef **market** specifications as they affect the producer. 021617
The separation of *beef* **meat** according to quality and cuts in Athens [Grading]. 021864
Amino acid composition in *beef* **muscles** and organs. 022708
1975 proceedings, **Nevada/California** *beef* conference [Cattle grazing, pasture management]. 027489
Feeding, managing, and vaccinating dairy and **orphan** *beef* calves from birth to weaning. 023096
Will it pay to feed concentrates to **overwintering** *beef* cattle? [Returns]. 021390
Effects of breed and forage vs grain feeding on *beef* **palatability** and shelflife. 022701
Beef **performance** of Brown Swiss cattle. 023117
Product savvy - *beef:* **portion** control and roasts. 022364
Predicting *beef* sire genetic values for growth traits from progeny records. 024094
Presenting *beef* information [use of artificial insemination in beef cattle, progeny test]. 024169
Tips on custom **processed** *beef* [Grading]. 021849
Use of more forage to **produce** *beef*—crested wheat seedings. 027487
World grain trade and other factors influencing U.S. *Beef* **production.** 021624
Competition in *beef* **production.** Comparison of Great Britain and the German Federal Republic. 023164
Beef **production** from untreated silage and silage treated with a mixture of formalin and formic acid [Cattle]. 023826
Beef **production,** fattening young cattle. Energy supplementation of diets with a maize silage base. 023911
Beef **progeny** testing report 1974-1975. 024223
Effect of a protected lipid supplement on flavor **properties** of *beef.* 022676
The Fort **Reno** *beef* research program [Fattening cattle]. 023909
Business and management problems between killing and final production **sales** *[Beef].* 021618
A guide to carcass data **service** *(beef)* [Grading]. 021835
Freeze drying of **sliced** *beef.* 022656
Carcass composition and quality of bulls versus **steers** *[Beef].* 022700
Retail carcass comparisons of bulls and **steers** *[Beef].* 022705
Effects of hemiacetal of chloral and starch on the performance of *beef* **steers** [Cattle metabolisms]. 023454
Rigor mortis in *beef* **sternomandibularis** muscle at 37 Celsius. 022688
The *Beef* **Substation** [of the University of Arkansas, Agricultural Experiment Station, cattle breeding]. 024030
Quality of pressed steaks from stored *[beef]* **tenderloins.** 022703
In 1980 Brazil will be able to export 500,000 **tons** of *beef.* 021595
Protectionism in *beef* **trade.** 021557
Can and should the dairy producers in western France take recourse to crossing [of dairy cows with *beef* **type** bulls]. 024067
NUBES [Nottingham **University** *Beef* Enterprise Simulator] on the farm [Planning, control]. 021250
Growth of bacteria [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from **vacuum-packed** *beef* at low temperatures. 021938
Beef **yield** on an alfalfa field [Grazing, Argentina]. 023692
Effect of anthelmintic and selenium drenching on live-weight gain in **young** *beef* cattle. 024652

BEEHIVES

Beehives from **ancient** Greece. 029748
Beehive for the **apiculturist** in delay. 029758
Colors seen by bees [Apis mellifera] and **coloring** of *beehives.* 029729
Northern wood in the **construction** of *beehives.* 029857
Short-lugged **frames** *[Beehives].* 029744
On the existence of **levelled** *beehive* designs [Variety competition]. 026096
Effect of *beehive* **space** arrangement on bee performance. 029715

BEEKEEPING

A guide for **beginner** *beekeepers.* VI. More management tips. 029861
Trends in **commercial** *beekeeping.* 029743
Beekeeping and **developing** countries. 029730
Beekeeping and **developing** countries. 029731
Industrial development and its **effects** on *beekeeping.* 029732
Industrial development and its **effects** on *beekeeping.* 029733
The metrication [measurement] of *beekeeping* **equipment.** 029755
An **indigenous** *beekeeping* practice in Thailand. 029854
Some facts about *beekeeping* in **Kashmir.** 029753
A *beekeeper's* **right** to keep bees lawfully on property, over a neighbor's objections [Legislation]. 029720

BEERS

Organization of container transport [of **bottled** *beer].* 021491
Possibilities of error in the detemination of volatile sulphur **compounds** *[Beer].* 022400
Labeling **diet** *beer* according to the diet ordinance. 021696
Laboratory comparative study of the performances of different oxygen analyzers **dissolved** in *beer.* 022383
Detection of mineral **fibers** in *beer.* 021854
Filtrability of *beers.* 022388
Progress towards an international system of *beer* **flavor** terminology [Quality]. 021974
Determination of *beer* **flavor** compounds by high pressure liquid chromatography. IV. nucleotides. 022546
Beer **labeling** from the competitive legal view. 021695
Classification of **lager** *beers* by computer analysis of volatile profiles. 022543
Microbiological production control: Errors, limits and possibilities *[Beer* **manufacture].** 022390
The adjunct fermentation **process** *[Beer].* 022393
Large volume tanks [for *beer* **processing]**—a review. 022547
Industrial hygiene in the brewery and its influence on the **quality** of *beer.* 021852
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of sake **[rice** *beer]* yeast [Saccharomyces cerevisiae]. 022778
Serological specificities of sake **[rice** *beer]* yeasts [Saccharomyces cerevisiae]. 026642
A new rapid spectrophotometric determination of hop bitterness in *beer* and **wort,** including the EBU-determination. 022537

BEES

Sex determination in *bees.* V. The **action** of sexual genes in Apis mellifera (Hymenoptera, Apidae). 029781
The effects of Penicillium waksmani growth on American foulbrood infected combs and **adult** *honeybee* activity [Apis mellifera, Bacillus larvae]. 029842
Larvae of the Apidae (Hymenoptera, Apoidea). I. **Apini,** *Apis.* 029666

An attempt to assess the toxicity of pesticide formulations to *honeybees* [**Apis** mellifera] foraging on caged apple trees. 029113
Overwintering of colonies of *honeybees* [**Apis** mellifera] with restricted and unrestricted broodrearing in Louisiana. 029723
Colors seen by *bees* [**Apis** mellifera] and coloring of beehives. 029729
Influence of environment on productivity of *bee* [**Apis** mellifera] colonies. 029735
Man's utilization of natural resources through *bees* [**Apis** mellifera]. 029737
The *bee* [**Apis** mellifera], conservator of nature by pollination of wild plants. 029739
The influence of genetic variability on thermoregulation in *honeybees* [**Apis** mellifera]. 029742
Willows (Salix) and their importance for *bees* (**Apis** mellifera). 029770
Willows (Salix) and their importance for *bees* [**Apis** mellifera]. 029771
Concentration of some major and trace elements in *honeybees* [**Apis** mellifera] of different castes and growing stages. 029774
Properties of a free and solubilized form of bound-alpha,alpha-trehalase purified from *honeybee* [**Apis** mellifera] thorax. 029778
The retina-lamina projection in the visual system of the *bee*, **Apis** mellifera. 029779
Pheromones as chemical signals: the pheromone system of the *honeybee* [**Apis** mellifera]. 029786
A note on the formation of *honeybee* [**Apis** mellifera] spermatozoa. 029800
A simple restraining instrument to facilitate experimental manipulation of the *honeybee* [**Apis** mellifera] head. 029801
A standard stock of *honeybees* [**Apis** mellifera]. 029802
Behavioural studies on queen introduction in the *honeybee* [**Apis** mellifera]. 2. Effect of age and storage conditions of virgin queens on their attractiveness to workers. 029803
Behavioural studies on queen introduction in the *honeybee* [**Apis** mellifera]. 3. Relationship between queen attractiveness to workers and worker aggressiveness towards a queen. 029804
Cannibalism as an indication of pollen insufficiency in *honeybees* [**Apis** mellifera]: ingestion or recapping of manually exposed pupae. 029805
Comparative development of foraging and brood production in *honeybee* [**Apis** mellifera] colonies established on comb and on foundation. 029806
Correlation between amounts of 2-heptanone and iso-amyl acetate in *honeybees* [**Apis** mellifera] and their aggressive behaviour. 029809
Culturing larvae of blister beetles [Nemognatha] on diets containing different pollens collected by *honeybees* [**Apis** mellifera]. 029810
Cytochemical studies of the secretion of accessory glands and seminal vesicles of the *honeybee* **Apis** cerana indica. 029811
Defensive behaviour and production of alarm pheromone in *honeybees* [**Apis** mellifera]. 029812
Olfactory discrimination by *honeybees* [**Apis** mellifera] of terpenes identified from volatiles of alfalfa flowers. 029819
Overwintering of *honeybee* [**Apis** mellifera carnica] queens. 1. Maintenance of honeybee queens in solitary confinement. 029821
Persistence of tetracycline activity in medicated syrup stored in *honeybee* [**Apis** mellifera] colonies in late spring. 029822
Pollination requirements for watermelon seed production *[Bees,* **Apis** mellifera]. 029823
Repellent additives to reduce pesticide hazards to *honeybees* [**Apis** mellifera]: laboratory testing. 029824
Results of restricting the brood space of *honeybee* [**Apis** mellifera] colonies. 029825
Seasonal development of *honeybee* [**Apis** mellifera] colonies started from package bees. 029826
Spermatogenesis in diploid drones of the *honeybee* [**Apis** mellifera]. 029828
Studies on the honey-sac contents and pollen loads of *honeybees* [**Apis** mellifera]. 2. Honey-sac contents of foraging bees. 029829
The attractiveness to *bees* [**Apis** mellifera] of synthetic wasp [Vespula] attractants. 029830
The effect of gene dosage on variability in the *honeybee* [**Apis** mellifera]. 2. Wing hook number. 029832
The fate and effect of hairs removed from *honeybees* [**Apis** mellifera] with hairless-black syndrome. 029843
Art and *bees* [**Apis** mellifera, history, Europe]. 029858
Bees [**Apis** mellifera] in winter. 029859
Contributions from the Kirchhain Station for Apiculture: the problem of inbreeding effects in the *bee* [**Apis** mellifera]. 029860
Observations on the behavior of certain ecotypes and hybrids of the *bee* (**Apis** mellifera carpatica) from the Carpathians. 029863
Some effects of pollen traps on colonies of *honeybees* [**Apismellifera**]. 029827
Stability of oxytetracycline in diets fed to *honeybee* [**Apismellifera**] colonies for disease control [American foulbrood, European foulbrood]. 029841
Observations on the behavior of certain ecotypes and hybrids of the **bee** *(Apis* mellifera carpatica) from the Carpathians. 029863
Willows (Salix) and their importance for **bees** *(Apis* mellifera). 029770
Honeybee and **behive** size. 029768
Bumblebees [**Bombus**] as guests of the apiculturist [Rearing]. 029368
Breeding of the **Carniolan** *bee* [Apis mellifera carnica] from the European point of view. 029766
Foraging range of the Indian honeybee *[Apis* **cerana** indica]. 029816
Characterization of DNA from three bee species [Apis mellifera, *Apis* **cerana,** Megachile rotundata]. 029836
Influence of environment on productivity of *bee* **colonies.** 029734
Racial discrimination *[Honeybees,* **colonies].** 029749
The *bee,* **conservator** of nature by pollination of wild plants. 029738
Variations in the single hair of the *honeybee* **corbicula** [Apis mellifera]. 029834
Spermatogenesis in **diploid** *drones* of the honeybee [Apis mellifera]. 029828
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the *honeybee* **disease** regulation [Apis mellifera, acarine disease, foulbrood]. 029761
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized **drone** *honeybee* [Apis mellifera] brood. 029258
DNA content of spermatids and spermatozoa of haploid and diploid **drone** *honeybees* [Apis mellifera]. 029814
Genic balance, heterozygosity and inheritance of size of testes in diploid **drone** *honeybees* [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
The copulation reflex of the **drone** *honeybee* [Apis mellifera]. 029831
Bee **energetics.** 029747
Reprints of early **English** *bee* books. 029751
The *honeybee* and its **environment.** 029853
Fear of *honeybees.* 029767
Control of dimorphism in the **female** *honeybee* [Apis mellifera]. 3. The balance of nutrients. 029807
Control of dimorphism in the **female** *honeybee* [Apis mellifera]. 4. Techniques for fractionating royal jelly into its major components. 029808
Studies on the honey-sac contents and pollen loads of honeybees [Apis mellifera]. 2. Honey-sac contents of **foraging** *bees.* 029829
Study of the *bee* **genus** Morawitzia Friese (Hymenoptera: Apoidea: Halictidae). 029694
The until now unknown species of the *bee* **genus** RhophitoidesSchenck (Hymenoptera: Apoidea: Halictidae) [New taxa]. 029696
A revision of the *bees* of the **genus** Andrena of the western hemisphere. VII. Subgenus Euandrena. 029704
A metatarsal adhesive organ of *drones* of the **genus** Apis (Hymenoptera: Apidae). 029783
Honeybees, **gooseberries** and dollars [Bees as pollinators, returns]. 029722
Bees in **greenhouses** [as pollinators]. 029844
Subvention of sugar for **honey** *bees* as a European marketing problem. 021634
Measuring the concentration of spermatozoa from **honey** *bees* [Apis mellifera] with spectrophotometry. 029727
Swarming **honey** *bees* [Apis mellifera] guided by pheromones. 029728
Some evidence of *bees* and **honey** in ancient Egypt. 029752
An evaluation of various characteristics in three lines of New Zealand **honey** *bees.* 029846
Cytochemical studies of the secretion of accessory glands and seminal vesicles of the **honeybee** *Apis* cerana indica. 029811
Foraging range of the **Indian** *honeybee* [Apis cerana indica]. 029816
Introduction of the **Italian** *bee* [Apis mellifera ligustica] to Germany by Johann Dzierzon in 1853. 029718
A beekeeper's right to **keep** *bees* lawfully on property, over a neighbor's objections [Legislation]. 029720
Alfalfa flower color associated with differential seed set by **leaf-cutter** *bees* [Megachile pacifica, insect pollinators, selective visitation]. 026887
An attempt to assess the toxicity of pesticide formulations to honeybees *[Apis* **mellifera]** foraging on caged apple trees. 029113
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee *[Apis* **mellifera]** brood. 029258
My method of *[Apis* **mellifera]** queen rearing: adaptation of Orosi's method for manipulation in the open air by using the Phillips starter. 029714
Introduction of the Italian bee *[Apis* **mellifera** ligustica] to Germany by Johann Dzierzon in 1853. 029718
Problems in honey supply for bees in southern Germany *[Apis* **mellifera].** 029719
Overwintering of colonies of honeybees *[Apis* **mellifera]** with restricted and unrestricted broodrearing in Louisiana. 029723
Measuring the concentration of spermatozoa from honey bees *[Apis* **mellifera]** with spectrophotometry. 029727
Swarming honey bees *[Apis* **mellifera]** guided by pheromones. 029728
Colors seen by bees *[Apis* **mellifera]** and coloring of beehives. 029729
Influence of environment on productivity of bee *[Apis* **mellifera]** colonies. 029735
Man's utilization of natural resources through bees *[Apis* **mellifera].** 029737
The bee *[Apis* **mellifera],** conservator of nature by pollination of wild plants. 029739
The influence of genetic variability on thermoregulation in honeybees *[Apis* **mellifera].** 029742
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the honeybee disease regulation *[Apis* **mellifera,** acarine disease, foulbrood]. 029761
Breeding of the Carniolan bee *[Apis* **mellifera** carnica] from the European point of view. 029766
Willows (Salix) and their importance for bees *[Apis* **mellifera].** 029771
What colony strength is natural? *[Apis* **mellifera].** 029773
Concentration of some major and trace elements in honeybees *[Apis* **mellifera]** of different castes and growing stages. 029774
Studies on protein in royal jelly [of *Apis* **mellifera].** I. Solvent fractionation of protein and amino acid composition of each fraction. 029775
Properties of a free and solubilized form of bound-alpha,alpha-trehalase purified from honeybee *[Apis* **mellifera]** thorax. 029778
The retina-lamina projection in the visual system of the bee, *Apis* **mellifera.** 029779
Intracellular crystals in *Apis* **mellifera** (Hymenoptera, Apoidea). 029780
Sex determination in bees. V. The action of sexual genes in *Apis* **mellifera** (Hymenoptera, Apidae). 029781
Bases to carry out the breeding program *[Apis* **mellifera].** 029784
Pheromones as chemical signals: the pheromone system of the honeybee *[Apis* **mellifera].** 029786
Pheromones as chemical signals *[Apis* **mellifera].** 029787
Results of 60 years of breeding work *[Apis* **mellifera].** 029788
A note on the formation of honeybee *[Apis* **mellifera]** spermatozoa. 029800
A simple restraining instrument to facilitate experimental manipulation of the honeybee *[Apis* **mellifera]** head. 029801
A standard stock of honeybees *[Apis* **mellifera].** 029802
Behavioural studies on queen introduction in the honeybee *[Apis* **mellifera].** 2. Effect of age and storage conditions of virgin queens on their attractiveness to workers. 029803
Behavioural studies on queen introduction in the honeybee *[Apis* **mellifera].** 3. Relationship between queen attractiveness to workers and worker aggressiveness towards a queen. 029804
Cannibalism as an indication of pollen insufficiency in honeybees *[Apis* **mellifera]:** ingestion or recapping of manually exposed pupae. 029805
Comparative development of foraging and brood production in honeybee *[Apis* **mellifera]** colonies established on comb and on foundation. 029806
Control of dimorphism in the female honeybee *[Apis* **mellifera].** 3. The balance of nutrients. 029807
Control of dimorphism in the female honeybee *[Apis* **mellifera].** 4. Techniques for fractionating royal jelly into its major components. 029808
Correlation between amounts of 2-heptanone and iso-amyl acetate in honeybees *[Apis* **mellifera]** and their aggressive behaviour. 029809
Culturing larvae of blister beetles [Nemognatha] on diets containing different pollens collected by honeybees *[Apis* **mellifera].** 029810
Defensive behaviour and production of alarm pheromone in honeybees *[Apis* **mellifera].** 029812
DNA content of spermatids and spermatozoa of haploid and diploid drone honeybees *[Apis* **mellifera].** 029814
Effect of confinement on the weight of honeybee queens *[Apis* **mellifera** carnica]. 029815
Genic balance, heterozygosity and inheritance of size of testes in diploid drone honeybees *[Apis* **mellifera** adansonii, Apis mellifera ligustica]. 029817
Haemocytes in larval and pupal ovarioles of the queen honeybee *[Apis* **mellifera].** 029818
Olfactory discrimination by honeybees *[Apis* **mellifera]** of terpenes identified from volatiles of alfalfa flowers. 029819
Osmotic shock as a prerequisite to pollen digestion in the alimentary tract of the worker honeybee *[Apis* **mellifera].** 029820
Overwintering of honeybee *[Apis* **mellifera** carnica] queens. 1. Maintenance of honeybee queens in solitary confinement. 029821
Persistence of tetracycline activity in medicated syrup stored in honeybee *[Apis* **mellifera]** colonies in late spring. 029822
Pollination requirements for watermelon seed production [Bees, *Apis* **mellifera].** 029823
Repellent additives to reduce pesticide hazards to honeybees *[Apis* **mellifera]:** laboratory testing. 029824
Results of restricting the brood space of honeybee *[Apis* **mellifera]** colonies. 029825
Seasonal development of honeybee *[Apis* **mellifera]** colonies started from package bees. 029826
Spermatogenesis in diploid drones of the honeybee *[Apis* **mellifera].** 029828
Studies on the honey-sac contents and pollen loads of honeybees *[Apis* **mellifera].** 2. Honey-sac contents of foraging bees. 029829
The attractiveness to bees *[Apis* **mellifera]** of synthetic wasp [Vespula] attractants. 029830
The copulation reflex of the drone honeybee *[Apis* **mellifera].** 029831
The effect of gene dosage on variability in the honeybee *[Apis* **mellifera].** 2. Wing hook number. 029832
The use of uniform honeybee *[Apis* **mellifera]** colonies to evaluate supplementary test rations for the stimulation of brood rearing. 029833
Variations in the single hair of the honeybee corbicula *[Apis* **mellifera].** 029834
Characterization of DNA from three bee species *[Apis* **mellifera,** Apis cerana, Megachile rotundata]. 029836

The effects of Penicillium waksmani growth on American foulbrood infected combs and adult honeybee activity *[Apis* **mellifera,** Bacillus larvae]. 029842
The fate and effect of hairs removed from honeybees *[Apis* **mellifera]** with hairless-black syndrome. 029843
Artificial insemination: a longer way to the production of purebred queens as a basis for mass multiplication *[Apis* **mellifera].** 029847
Breeding and evaluation of the results of a test apiary and the prospects for success *[Apis* **mellifera].** 029848
Observations of queen bees *[Apis* **mellifera,** mating]. 029851
Art and bees *[Apis* **mellifera,** history, Europe]. 029858
Bees *[Apis* **mellifera]** in winter. 029859
Contributions from the Kirchhain Station for Apiculture: the problem of inbreeding effects in the bee *[Apis* **mellifera].** 029860
A new orientation in selection *[Apis* **mellifera,** breeding]. 029862
Drifting *[Apis* **mellifora].** 029794
Contribution to the study of Melipona beecheii B. (Hymenoptera, Apidae), a *bee* of **Mexico:** caste determination in the Meliponini. 029740
The analysis of *bee* **moth** larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Moving *bees.* 029795
How insects **navigate?** *Bees* and ants orient themselves by the polarization pattern of the sky. 029500
Honeybees in **North** Carolina. 029782
Benomyl ineffective against **Nosema** *apis.* 029721
Seasonal development of honeybee [Apis mellifera] colonies started from **package** *bees.* 029826
Varroa jacobsoni: a prospective pest of *honeybees* in many **parts** of the world. 029756
Effect of beehive space arrangement on *bee* **performance.** 029715
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel *[Honeybees,* **pests,** biological control, polyhedrosis virus]. 029798
Detection and identification of Bacillus larvae in a commercial sample of *bee-collected* **pollen** [American foul brood disease]. 029813
Honeybees, gooseberries and dollars *[Bees* as **pollinators,** returns]. 029722
Storage of **queen** *honeybees.* 029754
Haemocytes in larval and pupal ovarioles of the **queen** *honeybee* [Apis mellifera]. 029818
Observations of **queen** *bees* [Apis mellifera, mating]. 029851
Effect of confinement on the weight of *honeybee* **queens** [Apis mellifera carnica]. 029815
Overwintering of honeybee [Apis mellifera carnica] queens. 1. Maintenance of *honeybee* **queens** in solitary confinement. 029821
The effect of long term storage on the nutritive value of pollen for brood **rearing** of *honeybees.* 029724
Effect of night temperature on the toxicity of field-weathered mevinphos **residues** to *honeybees.* 029184
Man's utilization of natural **resources** through *bees.* 029736
Problems in honey supply for *bees* in **southern** Germany [Apis mellifera]. 029719
The removal of a wild colony from a dense **thicket** *[Bees].* 029745
Characterization of DNA from **three** *bee* species [Apis mellifera, Apis cerana, Megachile rotundata]. 029836
The use of **uniform** *honeybee* [Apis mellifera] colonies to evaluate supplementary test rations for the stimulation of brood rearing. 029833
Bee **venom.** 029757
Recent research on *honeybee* **viruses.** 029750
Osmotic shock as a prerequisite to pollen digestion in the alimentary tract of the **worker** *honeybee* [Apis mellifera]. 029820

BEESWAX

Beeswax. 022481

BEETLES

Entomophagous enemies of **bark** *beetles* [Natural control]. 028964
A comparison of predation by the pentatomids, Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican **bean** *beetle,* Epilachna varivestis Mulsant [pest of soybeans]. 028705
Suppression of Mexican **bean** *beetle* [Epilachna varivestis] on soybeans with annual inoculative releases of Pediobius foveolatus. 028738
Laboratory rearing of the Mexican **bean** *beetle* [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and host-parasite ratios. 028850
Effect of two soil types on insecticide activity against **black** *beetle* [Heteronychus arator] adults [Maize]. 028779
Insecticide screening trials against **black** *beetle* [Heteronychus arator, pastures, maize]. 028781
Resistance of lucerne to **black** *beetle* [Heteronychus arator]. 028783
The effect of two pathogens [Adelina, RNA virus] on a **black** *beetle* [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784
Culturing larvae of **blister** *beetles* [Nemognatha] on diets containing different pollens collected by honeybees [Apis mellifera]. 029810
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black **carpet** *beetle].* 028987
Beetles—**Coleoptera:** leaf beetles—Chrysomelidae; subfamilies: Chrysomelinae and Galerucinae. 029616
Beetles—**Coleoptera:** leaf beetles—Carabidae; subfamilies: Bembidinae, Trechinae. 029617
Potato varieties resistant to the **Colorado** *beetle* [Leptinotarsa decemlineata]. 028878
Carpenter ant (Formica ligniperda Latr.) against **Colorado** *beetle* [Biological control]. 028954
A survey of **darkling** *beetles* [Philolithus, Stenomorpha] in desert steppe vegetation after a decade. 029533
The American **dermestid** *beetle* [Reesa vespulae], a pest [of zoological and botanical] museums. 028651
New South African Onthophagini collected by the **Dung** *beetle* research unit, Pretoria (Coleoptera, Scarabaeidae) [New taxa]. 029576
Effects of cattle dung and **dung** *beetle* [Onthophagus nuchicornis] activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434
Temperature preferences of two species of **Eleodes** *beetles* (Tenebrionidae). 029470
Hydrocarbon repellents isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: Tenebrionidae) **[Flour** *beetles.* 028967
Red **flour** *beetle* [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused **flour** *beetle,* Attagenus piceus, black carpet beetle]. 028987
Japanese *beetles* [Popillia japonica] attractancy of mixtures of lures containing phenethyl propionate and eugenol. 028664
The effect of temperature and other factors on the expression of elytral pattern in **lady** *beetle,* Harmonia axyridis Pallas. 029259
Releases and recoveries of cereal **leaf** *beetle* parasites, 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712
Beetles—Coleoptera: **leaf** *beetles*—Chrysomelidae; subfamilies: Chrysomelinae and Galerucinae. 029616
Beetles—Coleoptera: **leaf** *beetles*—Carabidae; subfamilies: Bembidinae, Trechinae. 029617
Investigatons on taxonomy, host plants and distribution of the **long-horned** *beetles* (Cerambycidae-Coleoptera) in Aegean Region. 028682
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may *beetle* **[Melolontha** hippocastani, pest of pine trees] in the Mari Autonomous Soviet Socialist Republic. 028950
Spatial distribution of **phytophagous** *beetles* in southeastern Karakum. 029603
Studies on the morphology of larval stages of Anomotaenia constricta (Cestoda, Cyclophyllidea) from the hemocoele of the *beetle* **Pimelia** sulcata. 029512
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to western **pine** *beetle* [Pinus ponderosa] attack. 028945
Enemies of the Colorado **potato** *beetle* [Leptinotarsa decemlineata, natural control]. 028904
Experience gained in control of Colorado **potato** *beetle* [Leptinotarsa decemlineata]. 028907
The mediate-indirect movement of the elytra in the **rhinoceros** *beetles* (Orystes boas Fabr., Coleoptera). 029518
Dispersal of Bacillus thuringiensis spores by nonsusceptible species of **stored-grain** *beetles.* 028975
Indian bark and **timber** *beetles.* VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [New taxa]. 029676
Predacious effect of **vedalia** *beetle,* Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard [Insect pests, biological control]. 028823
Defence substances of arthropods. LIX. Platambin, a defence substance of the **water** *beetle* Platambus maculatus (Coleoptera: Dytiscidae). 029439

BEETS

Beet **armyworm** [Spodoptera exiqua]: dosage-mortality studieson California and Florida strains. 028662
Correlation in mutant **carrots** and *beets.* 026285
Stem nematode [Ditylenchus dipsaci] of the *beet* **[Control].** 028479
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle **fed** *beet* pulp. 023576
The **forage** *beet* is now ready for mechanization. 027402
On fertilizing **forage** *beets* during the first years of development of peat soils in the western Ukrainian Polesye. 030562
Problems of concentration of **industrial** *beet* planting in Brest Region. 021814
Beet **necrotic** yellow vein virus and its relation to the fungus, Polymyxa betae. 027965
The influence of some *beet* **properties** on slicing. 022856
Improvement of *beet* **quality** in the region of the Tulln sugar factory (Austria) [Fertilization]. 030579
Production of a betacyanine concentrate by fermentation of **red** *beet* juice with Candida utilis [Food colorants]. 022937
Molecular weight and amino acid composition of purified **spinach** *beet* phenolase. 027247
Bacterial contamination of *beet* **stored** in an atmosphere with carbon dioxide. 022714
Annotated bibliography on the storage of root **vegetables** *(beetroot,* parsnips, radishes, swedes, turnips), 1968-1974. 022963
Variations in numbers of the *beet* **webworm** [Loxostege sticticalis, control]. 028917
The response of various breeding lines of lettuce to *beet* **western** yellows virus. 026083
Effects of *beet* **western** yellows virus on crambe in the greenhouse. 028264

BEGONIAS

Report on breeding **irradiated** *begonia* varieties resistant to ozone injury. 026076

BELOSTOMATIDAE

Surface molting behavior and its possible respiratory significance for a gaint water bug Abedus herberti Hidalgo **(Hemiptera:** *Belostomatidae).* 029469

BELTS

Study of the organic matter of a few Planosols with a blackBt-horizon from the Colombian **Andean** *belt.* 030188
How to plan a shooting field in the Northeast and **Corn** *Belt* [Recreation]. 030593
Significance of fold and lineament patterns in sulphide mineralization in the northeastern part of the Jabalpur (India) **mineralized** *belt*—a photogeological interpretation. 030281
The influence of soil composition on the vegetation of the Coolac **Serpentinite** *Belt* in New South Wales [Casuarina stricta, Ricinocarpos bowmanii, Xanthorrhoea australis]. 030251
Supply response in the *wheat-belt* of **south-eastern** Australia: the impact of delivery quotas on wheat plantings. 021469

BEMISIA

Failure of *Bemisia* **tabaci** to breed on cassava plants in Brazil (Homoptera: Aleyrodidae). 028828

BENDING

Effects of *bending* and **ringing** of branches [training method] on flowering and fruiting of ponkan (Citrus reticulata Blanco) trees. 027143

BENLATE

The influence of nitrogen and *benlate* on **leaf-area** duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570

BENOMYL

Effects of *benomyl* on **Camellia** dieback (Glomerella cingulata). 027895
Comparison of *benomyl* and **captafol** with Bordeaux mixture for control of European canker [Nectria galligena] of apple. 028034
On the resistance to *benomyl* of **fungi** isolated from bulbs and corms [Penicillium, Erythronium, Fusarium oxysporum]. 027882
Nitrogen transformations in soil as affected by the **fungicides** *benomyl,* dyrene, and maneb [Effects on microorganisms]. 030177
Duration of effects of *benomyl* on **growth** and wilt (Verticillium dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to time of inoculation. 027896
Benomyl **ineffective** against Nosema apis. 029721
Benomyl and **large** nematodes [on Geranium]. 028351
Benomyl **[methyl** N-(l-butylcarbamoyl) benzimidazol-2-yl carbamate] residues [Fungicides in crops]. 029146
The effect of *benomyl* **sprays** on Sclerotinia trifoliorum andyield of red clover. 027902
The effect of *benomyl* on the **symptoms** of apple proliferation [Virus disease]. 028202
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after foliar application of *Benomyl* **[Systemic** fungicides, Penicillium expansum]. 028056

BENTHIC

The distributional ecology and diversity of *benthic* **insects** in Cement Creek, Colorado. 029322

BENTONITE

Bentonite as a **soil** conditioner. 030364

BENZAMIDINE

The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, *benzamidine* **binding** site and active site at pH [hydrogen-ion concentration] 7-0. 023535

BENZENE

Persistence of gamma-BHC [lindane] and beta-BHC *[benzene* **hexachloride]** in Indian rice soils under flooded conditions. 028770
Ecochemistry of BHC *[benzene* **hexachloride]** in Czechoslovakia. 029168
Alpha- and gamma-BHC *[benzene* **hexachloride]** in Tokyo rainwater (December 1968 to November 1969) [Environmental pollution]. 030868

BENZIMIDAZOLECARBAMATE
Movement of **methyl** *2-benzimidazolecarbamate* into soybean seeds after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. 028056

BENZIMIDAZOLES
Tolerance of Fusarium oxysporum f.sp.gladioli to *benzimidazole* **fungicides** [Gladiolus, corm rot]. 027884
Retardation of senescence in rice (Oryza sativa L.) leaves by *benzimidazole* and **nickel** chloride. 028422
The action of *2(alpha-hydroxybenzyl)-benzimidazole* on 26 **strains** of bovine enteroviruses isolated in Algeria. 024406

BENZOATE
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with **estradiol** *benzoate*, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Calf response to the initiation of parturition in dairy cows with dexamethasone or dexamethasone with **estradiol** *benzoate*. 024088
Control of estrus in lactating beef cows with prostaglandin F-2alpha and **estradiol** *benzoate*. 024089

BENZOIC
Photolysis of *benzoic* **acid** 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on citrus leaves; residues]. 029111
Inhibition of phosphate uptake in barley roots by *hydroxy-benzoic* **acids**. 027008
Attempt at collaboration of a microbiological method for research on antimicrobial substances in foods. Application to *benzoic* and **sorbic** acids. 021964

BENZOXAZINE
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [**2,4-dihydroxy-7-methoxy** *(2H)-benzoxazin-3* (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751

BENZYLADENINE
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, *benzyladenine*, **thiourea**, KNO3 [potassium nitrate] and gaseous factors. 026388

BERBERINE
Isolation of *berberine* [**Berberis** oblonga]. 026487

BERBERIS
Isolation of berberine *[Berberis* **oblonga**]. 026487

BERGAMOT
Importance of essential oils in the development of lemon and *bergamot* **culture** in Italy [Economic aspects]. 021188
Considerations on the phototoxicity of *bergamot* **oil**. 021879
Phototoxicity of *bergamot* **oil:** experimental studies. 021880
Study of *bergamot* **oil** by thin-layer chromatography and spectrofluorometry [Adulteration]. 021881

BERMUDAGRASS
What is happening to our *bermudagrass* [**Cynodon** dactylon]. 2. A new concern with the hybrids [Turf diseases]. 028452
Yield and composition of **midland** *bermudagrass* [Cynodon dactylon] selected by beef cows and calves. 027424
Effects of herbicide treatments on the establishment of **'Tifway'** *bermudagrass* [Cynodon]. 028617

BERRIES
Berries, **branches** and bulbs [Flower arrangement]. 027767
Illicitly high pesticide residues in **forest** *berries* [and mushrooms]. 021977
The effect of irrigation and fertilizers on the accumulation of aromatic substances in **grape** *berries* and on wine quality. 027300
Aerial application of systemic and nonsystemic fungicides for control of **mummy** *berry* disease [Monilinia vaccinii-corymbosi] of highbush blueberry. 028066
Taking into account the productive fruit and *berry* **plants** and edible fungi [growing in the forests in their management]. 025129
Ratio between size of **potato** *berries* and the quantity and quality of the seeds [Breeding]. 026310
Elements of forest appraisal for forest **stands** of *berries*. 025115
Attempt at hastening the ripening of the *berries* of **two** redpepper cultivars by using 2-chloroethylphosphonic acid [Growth substances]. 027117

BETA
Chemical synthesis of *nbeta-oxalyl-L-alpha,beta-diaminopropionic* **acid** and optical specificity and its neurotoxic action[Lathyrus sativus]. 026402
Glucosidases specific for the cyanogenic glucoside triglochinin. Purification and characterization of *beta-glucosidases* from **Alocasia** macrorrhiza Schott. 026566
Biosynthesis of *3alpha,6beta-ditigloyloxytropane* and **3alpha,** 6beta-ditigloyloxytropan-7beta-ol in Datura [meteloides]. 026725
Persistence of gamma-BHC [lindane] and *beta-BHC* [**benzene** hexachloride] in Indian rice soils under flooded conditions. 028770
Metabolism of *3beta-hydroxy-5alpha-* and **3beta-hydroxy-5betapregnan-20-one** by leaf homogenates. 026748
The role of (25S)-5alpha-cholestan-3beta,26-diol and *(25S)-5alpha-furostan-3beta,26-diol* in the **biosynthesis** of tomatidine and neotigogenin [in tomatoes]. 027257
The refined crystal structure of **bovine** *beta-trypsin* at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. 023534
The refined crystal structure of **bovine** *beta-trypsin* at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
Mode of formation of *cholesta-5,7-dien-3beta-ol* from **cholest-5-en-3beta-ol** by larvae of Calliphora erythrocephala. 029251
Biosynthesis of 3alpha,6beta-ditigloyloxytropane and 3alpha, *6beta-ditigloyloxytropan-7beta-ol* in **Datura** [meteloides]. 026725
Action of Bacillus thuringiensis preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by *beta-exotoxin* and **DDT**. 028936
Purification, crystallization, and properties of an **endo** *beta-1,3-glucanase* from Rhizopus chinensis R-69 [Fungi]. 026345
Synthesis of *guaiacylglycerol-beta-guaiacyl* **ether** [Lignin chemistry]. 025367
Synthesis of *beta-glucanase* and other **extracellular** proteins by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382
Composition of *beta-sitosterol* **extracted** from tall [oil] products. 025301
Enzymatic hydrolysis of hardwood xylans. II. Isolation of **five** *beta-1* lead to 4-xylanasen from three commercial enzyme products. 025363
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of **five** *endo-1,4-beta-glucanases* and one exo-1,4-beta-glucanase. 026550
Nuclear magnetic resonance spectroscopic determination of alpha- and *beta-acid* **homolog** composition in hops. 022483
Mechanism of the transition of actomyosin to *beta-structure* upon **hot** air dehydration [Fishery products]. 022406
Antiarrhythmic, Haemodynamic and metabolic effects of *3alpha-amino-5alpha-androstan-2beta-ol-17-one* **hydrochloride** in Greyhounds following acute coronary artery ligation. 023320
Preparation of **immobilized** *beta-galactosidase* by poly(vinylpyrrolidone) and the continuous hydrolysis of lactose in acid whey. 022564
Mode of formation of cholesta-5,7-dien-3beta-ol from *cholest-5-en-3beta-ol* by **larvae** of Calliphora erythrocephala. 029251
Metabolism of 3beta-hydroxy-5alpha- and *3beta-hydroxy-5betapregnan-20-one* by **leaf** homogenates. 026748
Heterogeneity of human **milk** *beta(1-4)-D-galactosyltransferase*. 022083
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a **new** amino acid from seeds of Aleurites fordii [Tung tree]. 026746
Alpha- and *beta-synderol;* **new** bromo-monocyclic sesquiterpenes from the seaweed Laurencia [Algae]. 026843
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and **one** *exo-1,4-beta-glucanase*. 026550
The steroespecificity of biosynthesis of squalene and *beta-amyrin* in **Pisum** sativum [Peas]. 027258
Oestradiol-17beta, **progesterone** and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. 024134
Identification of **radioactive** *17beta-estradiol-17-beta-D-glucuronide* and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
Nutritive studies on the utilization of *beta-carotene* in **rats.** 1. Effects of hydrolyzed iodinated-casein on the conversion of beta-carotene into vitamin A. 023718
Beta-diketones in **Rhododendron** waxes. 027239
The role of *(25S)-5alpha-cholestan-3beta,26-diol* and **(25S)-5alpha-furostan-3beta,26-diol** in the biosynthesis of tomatidine and neotigogenin [in tomatoes]. 027257
Multiple forms of rice **seeds** *beta-amylases* on zymogram. 026884
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and *delta-5-3beta-hydroxy* **steroid** dehydrogenase during luteolysis in the pregnant rat. 023281
Activity and stability of alpha- and *beta-amylase* at **temperatures** from 4 to -23 Celsius [Sweetpotatoes]. 022924
Teratogenicity of the **thermostable** *beta* exotoxin of Bacillus thuringiensis in Galleria mellonella. 029429
Synthesis and anticytokinin activity of *4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines* **[Tobacco].** 027012
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and *17alpha-estradiol-17-beta-D-glucuronide* in the **urine** of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of hydrolyzed iodinated-casein on the conversion of *beta-carotene* into **vitamin** A. 023718

BETACYANINS
A branched trisaccharide in the *betacyanins* of **Bougainvillea** glabra. 026707
A gibberellin bioassay based on *betacyanin* **production** in Amaranthus caudaus seedlings. 026801

BETALAINS
P-type sieve-element plastids and *betalains* in **Portulacaceae** (including Ceraria, Portulacaria, Talinella) [Identification]. 025664
P-type sieve-element plastids and *betalains* in **Portulacaceae** (including Ceraria, Portulacaria, Talinella). 026449

BETANIN
Betanin **3'-sulphate** from Rivinia humilis. 026721

BETEL
Effects of *betel* **nut** and fermented fish on the thiamin status of northeastern **Thais.** 022000
Betel **nut** [Areca catechu] constituents as inhibitors of gamma-aminobutyric acid uptake. 022526

BETULA
Thinning in a maple [Acer]-beech [Fagus] stand in view of producing yellow birch *[Betula* **alleghaniensis**] wood. 025223
Crown release accelerates diameter growth and crown development of yellow birch *[Betula* **alleghaniensis**] saplings. 025260
The river **birch** *Betula* obscura in the West Carpathian Mountains. 025681
Undergrowth vegetation effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and birch *[Betula* **papyrifera**] stands in northern Minnesota. 025897
Variation in decay resistance of *Betula* **pubescens** Ehrh. Against Polyporus versicolor. 025279
Birch *[Betula]* **trees** in shelterbelt forestry. 025040

BEVERAGES
Chemical composition of Angelica [archangelica] root oil [Flavors for **alcoholic** *beverages].* 022368
A rapid screening method for the determination of di-(n-octyl) tin stabilizers in **alcoholic** *beverages,* using a heated graphite atomizer. 022490
Caffeine determination by gel **chromatography** *[Beverages].* 022551
Beverage **consumption** patterns in New York State. 022118
The millenium in **malt** *beverages?* 022402
Study of the raw material for production **tonic** *beverages.* 022982

BIBLIOGRAPHIES
Annotated *bibliography* on the storage of cauliflower and broccoli, 1973-1974. 022962
Annotated *bibliography* on the storage of root vegetables (beetroot, parsnips, radishes, swedes, turnips), 1968-1974. 022963
Annotated *bibliography* on the storage of celery, 1970-1974. 022964
Annotated *bibliography* on storage of onions, 1970-1974. 022965
Annotated *bibliography* on storage of brussels sprouts, 19701974. 022966
Annotated *bibliography* on storage of lettuce, 1972-1974. 022967
Annotated *bibliography* on storage of cabbage, 1968-1974. 022968
Annotated *bibliography* on storage of carrots, 1970-1974. 022969
Annotated *bibliography* on photoperiodic control of flowering in lettuce, 1965-1974. 027284
Annotated *bibliography* on root temperature and plant growth, 1967-1974 [Horticultural crops]. 027285
Annotated *bibliography* on pistillate flower formation induced by ethrel in pumpkin, 1969-1973. 027286
Annotated *bibliography* on growth-promoting properties of dithiocarbamate fungicides, 1966-1974. 028089
Association of plant hairs and insect resistance; an **annotated** *bibliography*. 028670
Annotated *bibliography* on manurial requirements of pumpkin, squash, watermelon and muskmelon, 1969-1974. 030512
Agriculture in hill and mountain **areas** *[Bibliography].* 021080
Tourism and recreation in rural areas. Aspects of land use planning and structural **change** *[Bibliography].* 021161
Bibliography of the **codling** moth [Laspeyresia pomonella, fruits, walnuts]. 028152
EEC (European Economic Community] agricultural policy. IV. Reform proposals in the enlarged **community** *[Bibliography].* 021690
Agriculture and industry in economic **development** *[Bibliography].* 021160
Influence of some physical factors on the fructification of Basidiomycetes higher **fungi** *(Bibliographic* study). 026431

Bibliographic **guide** to oils and fats and their by-products. XLIX. 022539
A *bibliography:* **hotel** and restaurant administration and related subjects 25ht ed. 022362
Romanian references on the European corn borer Ostrinia (pyrausta) nubilalis **(Hubner)** *[Bibliographies].* 028716
Economics of agriculture. Reports and publications issued or sponsored by USDA's Economic Research Service, July 1972—**June** 1973 *[Bibliographies].* 021187
Literature searching with the CAIN [Cataloging and Indexing] **on-line** *bibliographic* data base [Agricultural literature]. 021082
Protected fruit growing. 2. Hail and hail **protection** *[Bibliographies].* 028321
Bibliographic **references** [Palynology]. 025794
Selected *bibliography* of wildlife and habitats for the Southwest. 025066
Bibliographical **series.** Information supplement no. 1 to 60. Author and subject indexes [Agriculture]. 021142
Spanish *bibliography* [Milk and dairy products]. 022586
Analysis of scientific activity in veterinary medicine from 1972 to 1974 in German-speaking areas based on **title** *bibliography* information service in veterinary medicine. 024362
EEC [European Economic Community] agricultural policy. III. International **trade** *[Bibliography].* 021691

BICARBONATE
Oxygen-bicarbonate **bleaching** of kraft pulp. 025489
Effect on intake of adding **sodium** *bicarbonate* to silage [Sheep]. 023800

BICOLOR *see* COLOR

BIDENS
Effects of some inhibitors on respiration and germination of *Bidens* **radiata** achenes. 026698

BIFURCATION
Influences of chronic denervation of the **carotid** *bifurcation* regions on panting in the sheep. 023609

BIGNONIACEAE
Amphitecna and Dendrosicus **revisited** *(Bignoniaceae,* tribe Crescentieae). 025830

BILE
Ascorbic acid in cholesterol and *bile* **acid** metabolism. 022023
Effect of glucagon on **secretin-stimulated** *bile* flow [Dogs]. 023204
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, *bile)* and **tissues** (kidney, liver, small intestine, bone) of cattle. 023251

BILIRUBIN
Bromosulphthalein clearance and **total** *bilirubin* level in cows deprived of food and water. 024933

BINDWEEDS
Control of Canada thistle [Cirsium arvense] and **field** *bindweed* [Convolvulus arvensis] in asparagus. 028609

BINS
Suffocation hazards in **grain** *bins.* 029900
Feasibility study on freezing and handling fresh hams in corrugated fiberboard **pallet** *bins.* 022645
Studies on the small size of grain dryer and **storage** *bin* for the farm. 030117

BIOASSAY
A **gibberellin** *bioassay* based on betacyanin production in Amaranthus caudaus seedlings. 026801
Bioassay of **nuclear** polyhedrosis virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. 028674
Bioassay **techniques** for the determination of herbicide residues [in soil]. 029156

BIOCENOSIS
Aphids as components of the cotton **field** *biocenosis* [Pests]. 028803

BIOCHEMISTRY
Physiological and *biochemical* **aspects** of specificity in plant-parasite interaction [Fungus and bacterial diseases]. 027977
Biochemical **aspects** of juvenile hormone action in insects. 029202
Biochemical **assessment** of the thiamine status in patients with neuroses. 022177
Biochemical and **biological** aspects of fungal viruses. 027966
Interaction of trypsin with trypsin inhibitor from cow colostrum **[Cattle,** *biochemistry].* 023309
The effect of some storage parameters on *biochemical* **changes** in [malting] barley grain. 022822
Residual levels and *biochemical* **changes** after ventilation with perfluorinated liquid [Dogs]. 023470
Biochemical **changes** associated with growth and development of pineapple variety Kew. IV. Changes in major lipid constituents. 027179
On the mechanism of petite genesis in yeast. IV. *Biochemical* **characterizaton** of a conditional cytoplasmic mutant producing petites at restrictive temperature. 026090
Biochemistry of **development** in insects [Ceratitis capitata]. Stereospecific incorporation of fatty acids into triacylglycerols. 029348
Biochemistry of **development** in insects [Ceratitis capitata]. Incorporation of fatty acids into different lipid classes. 029349
Biochemical **diagnosis** of degenerative myopathy of early young cattle. Study of two cases observed in a Lyons slaughterhouse. 024831
Influence of treatment for natural nematode invasion in geese upon selected values of hematological and *biochemical* **examinations.** 024758
The impact of advances in methodology on *biochemical* **[food]** research. 022465
The corpus luteum periodicum in the bitch: Histochemical and *biochemical* **investigations** during different phases of the cycle. 023422
The *biochemistry* and **methodology** of composting. 030432
Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and *biochemical* **methods** [Agents of bacterial blight on fruits]. 028156
Biochemical and **physiological** causes of resistance of plants against pathogens. 028335
Stereochemistry of sugar and sugar alcohols in regard to its *biochemical* and **physiological-chemical** importance [Nutrition]. 022174
Possible *biochemical* explanation for specific reformation of synapses between muscle and regenerating motoneurones in cockroach [Periplaneta americana]. 029459
Successions of microorganisms and invertebrata and their connections with *biochemical* **processes** during decomposition of manure in soil. 030277
Relationship between contractility and some *biochemical* **properties** of myofibrils prepared from normal and PSE [pale, soft, exudative] porcine muscle [Swine]. 022684
Biological and *biochemical* **properties** and pathogenicity of Mycobacterium fortuitum of porcine origin in mice. 024485
Biochemical **properties** of mitochondrial membrane from dry pea seeds and changes in the properties during imbibition. 027261
Feeding, **rumen** *biochemistry* and milk production. 023934
Variations on a few **sanguineous** *biochemical* parameters after death in horses and oxen. I. Sodium, potassium, chlorides, urea and hematocrit. 024355
A *biochemical* and **serological** study of strains of Pasteurella multocida associated with haemorrhagic septicaemia in cattle and buffaloes in Sri Lanka. 024499
Biochemical **studies** of the "collapse syndrome" in suckled calves. 024912
Study of the quality of beef. I. *Biochemical* **study** of the aging of young bull meat. 022643
The *biochemical* **systematics** of flavonoids. 025702
Biochemical **transformation** by fungi, and antifungal activity of 1,4-naphthoquinones, of biosynthetic intermediary products, and of chemically related compounds. 026364
Present questions on the *biochemistry* of **vitamin** E [Human and animal nutrition]. 022217
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the *biochemical* **work,** isotopic distribution and the probable mechanism of tumor induction. 024867

BIODEGRADATION
Activated sludge **primary** *biodegradation* of polychlorinated biphenyls. 030812

BIOECOLOGY
Certain problems of *bioecology* of the **fungus** Phomopsis diospyri Bong. 028096

BIOGENESIS
Quantitative determination of some *biogenic* **amines** in pineapple products. 022873
The anatomy, histology and *biogenic* **compounds** of the carotid body of the pig (Sus scrofa). 023178
Ultrastructure, composition, and *biogenesis* of the **encapsulation** material surrounding the endophyte in Alnus crispa var. Mollis root nodules. 025992
On the manifestation of *biogenetic* **law** in plant water exchange. 026870
Regulation of **mitochondrial** *biogenesis:* enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
Screening of **new** *biogenic* antimetabolites using prokaryotic and eukaryotic microbial models [Includes Neurospora crassa, fungi. 026416

BIOGEOCHEMISTRY
The microbiology and *biogeochemistry* of the **Dead** Sea [Halobacterium, Sarcina, Dunaliella, Algae]. 026670

BIOGEOGRAPHY
A view on some points of Italian students of *biogeography* **expressed** by C. Baroni Urbani [on the ants of the Pontian Islands]. 029360

BIOGRAPHY
James Hamilyn Willis [Australian botanist]: a *biographical* **sketch.** 025561

BIOLOGY
Biological **active** principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs contained saponin [isolated from Aesculus turbinata]. 026654
Metabolism and *biological* **activity** of cis-and trans-phylloquinone in the rat [Vitamin K]. 022140
Biological **activity** of 1alpha-hydroxyvitamin D3 in anephricrat. 022210
The effect of prometryne on *biological* **activity** of the soil. 028596
Influence of *biological* **activity** in the soil by natural and municipal gas. 030391
Influence of temperature on **adult** *biology* and population growth of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. 028709
Peculiarities of the *biology* and **agrotechnics** of cauliflower [Culture]. 027782
Main agents of *biological* **alterations** of building timber. Preventive and curative treatments. 025276
Contribution to the study on the *biology* of the **Anopheles** hyrcanus species from the Danube delta. 028995
Biological bases [growth, flowering] for **applied** *biological* control of winter rape. 027057
Biological **aquatic** weed control by fish in the lower Sonoran Desert of California. 028501
A note on the *biological* **aspects** of Schistosoma incognitum Chandler, 1926 [Parasitising livestock]. 024543
Biochemical and *biological* **aspects** of fungal viruses. 027966
Protein value of two imitation milks; chemical and *biologic* **assays.** 022129
Biological **availability** of sediment phosphorus to microorganisms [Algae, aquatic weeds, eutrophication]. 026696
Biological **bases** [growth, flowering] for applied biological control of winter rape. 027057
Laboratory model ecosystem evaluation of the chemical and *biological* **behavior** of radiolabeled micropollutants. 030880
Biological and **biochemical** properties and pathogenicity of Mycobacterium fortuitum of porcine origin in mice. 024485
The *biology* of the **black** larval mutant of the tobacco hornworm, Manduca sexta. 029420
Ecological relationships and **breeding** *biology* of the nutria (Myocastor coypus) in the Tampa, Florida, area. 024113
The *biology* of **Canadian** weeds. 13. Cirsium arvense (L.) Scop. 028504
The *biology* of **Canadian** weeds. 14. Gypsophila paniculata L. 028505
The *biology* of **Canadian** weeds. 15. Pteridium aquilinum (L.) Kuhn. 028506
Effect of short-term inbreeding on *biological* **characteristics** of the silkworm [Bombyx mori]. 029797
Chemical, physical and *biological* **composition** of "typical" secondary effluents. 030954
Biological **control** of snail-borne diseases. Studies on the competitive exclusion between Physa acuta, Drapernaud and Biomphalaria glabrata, Say. 024491
Biological **control** of snail-borne diseases. Study on predatory capability of Hirudo medicinalis (Gnathobdelliformes: Hirudidae) Linne against Biomphalaria glabrata Say. 024492
Fungal antagonists for *[biological]* **control** of tomato Fusarium diseases. 027997
Biology and **control** of Xanthomonas hyacinthi in hyacinths. 028123
Defense in two pre-social membracids [Tree insects, *biological* **control]** (Homoptera: Membracidae) [Platycotis vittata, Umbonia crassicornis]. 028227
Biological **control** of plant diseases. 028392
Micro-ecosystem monitors [Colletotrichum gloeo for *biological* **control** of Aeschynomene in rice]. 028487
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. *[Biological* **control].** 028496
Controlling tansy ragwort [Senecio jacobaea, *biological* **control** with cinnabar moth]. 028516
Apion antiquum (Curculionoidea: Apionidae) for *biological* **control** of the weed Emex australis. 028521
Introduction of a weevil [Rhinocyllus conicus] for *biological* **control** of nodding thistle [Carduus nutans]. 028558
Plague the pests [Insects, *biological* **control].** 028639
The establishment of Coccinella septempunctata L. In the continental United States [Aphididae predators, *biological* **control].** 028642
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura nuclear polyhedrosis virus [Insect pests, *biological* **control].** 028643
Amblyseius bibens (Acarina: Phytoseiidae), a predator of spider mites (Tetranychidae) in Madagascar *[Biological* **control].** 028645
Biological **control** [of insect pests] and environmental quality. 028647
Cordyceps spp., as a parasite of insects [Coleoptera, Cordyceps entomorrhiza, *biological* **control].** 028650
Multiple viral infections of insect cells and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, *biological* **control].** 028653
The suitability of Teleonemia prolixa (Stal) for *biological* **control** of Lantana camara in Australia. 028659
A note on the isolation of Entomophthora [Fungi] species on artificial media [Insect pests, *biological* **control].** 028666
Production of resting spores of Entomophthora thaxteriana [Fungi, *Biological* **control** of pest insects]. 028667
Current projects on *biological* **control** of insects [Crops]. 028675

Mass-rearing of Chrysopa carnea Steph. (Neuroptera, Chrysopidae) [Insect pests, *biological* **control**]. 028685
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the eggs of Anagasta kuehniella Zeller [Insect pests, *biological* **control**]. 028687
Stethorus as a predator of the spider mite [Tetranychidae, *biological* **control**]. 028694
Defending soybeans [against insects and diseases], naturally *[Biological* **control**]. 028700
Plague fights plague [Nosema locustae control of grasshoppers on forage crops, *biological* **control**]. 028701
Biology of Dinarmus acutus, a chalcidoid parasite of the vetch bruchid *[Biological* **control**]. 028707
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of Lepidopterous pests of soybeans *[Biological* **control**]. 028747
Low-volume spraying of stands with dendrobacillin [for *biological* **control** of lepidopteran cotton pests]. 028763
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard [Insect pests, *biological* **control**]. 028823
Whiteflies [Trialeurodes vaporariorum, Aleurodes spiraeoides]: their *biology* and **control** [Horticultural crops]. 028833
Computer simulation used to control [apples] orchard mites [Panonychus ulmi, Stethorus punctum, *biological* **control**]. 028890
Toxicity of fringe treatments of peas [Chemical and *biological* **control** of Sitona]. 028916
Determination of larval instars of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei [Quercus pests, *biological* **control**]. 028918
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, *biological* **control**]. 028925
Utilization of Beauveria tenella (Del.) Siem. For the *[biological]* **control** of the eastern may beetle [Melolontha hippocastani, pest of pine trees] in the Mari Autonomous Soviet Socialist Republic. 028950
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, pest of pine trees, *biological* **control**]. 028951
Carpenter ant (Formica ligniperda Latr.) against Colorado beetle *[Biological* **control**]. 028954
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat [Insect pests, *biological* **control**]. 028984
Mosquito and chironomid midge control by planaria [Insect pests, *biological* **control**]. 029001
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house *[Biological* **control** of Musca domestica and Stomoxys calcitrans]. 029010
Recent orientations in the study of insect pathogens in in vitro cultured cells [Disease vectors, *biological* **control**]. 029016
Basic concepts of *biological* **control** in an integrated program of mosquito abatement. 029059
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, *biological* **control,** polyhedrosis virus]. 029798
A **convenient** *biological* synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505
The New Zealand fiberlily (Phormium tenax Forster): studies on its *biology* and **cultivation.** 027356
Biological **cycle** of chemical elements in Central Taiga fir forests [Forest litter, soil humus]. 030284
Biology of **Cyperus** kalli (Forssk.) Murb. 026944
Investigations on the *biology,* **damage,** natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western part of Turkey. 028893
Susceptibility of organic matter of Chernozemic Ah horizons to *biological* **decomposition.** 030198
Procedure for evaluating the *biological* **degradation** of turfgrass thatch [Festuca rubra]. 027104
Chemistry of vitamin E and its *biological* **derivatives.** 022215
The effects of salt treatment of fish on the **developmental** *biology* of Dermestes maculatus (Coleoptera, Dermestidae) and Necrobia rufipes (Cleridae). 028974
The study of the aqueous extract of Puerariae [kudzu] radix. II. The *biological* **difference** between the active extract (MTF-101) and acetylcholine. 026984
Biology of **Dinarmus** acutus, a chalcidoid parasite of the vetch bruchid [Biological control]. 028707
Notes on the *biology* and **distribution** of three recently discovered exotic weevil pests [Atrichonotus taeniatulus, Floresianus sordidus, Sitona humeralis] in Hawkes Bay pastures]. 028782
Investigations on the *biology,* **distribution,** economical importance and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli [Pest of cereals]. 028794
Biology, **ecology** and control of insects of native and introduced [forest] trees and shrubs on the Great Plains. 028939
Organochlorine compounds in the general population of the seventies and some of their *biological* **effects** (in man and animals). 029170
Biological **efficacy** of some plant materials against Sitophilus oryzae Linnaeus. 028656
Biology of **Eupteromalus** americanus: A hyperparasite of Bathyplectes curculionis. 028637
Studies on the *biological* **evaluation** of guar (Cyamopsistetragonoloba). I. Effects of trypsin supplementation on the nutritive value of guar. 022111
The *biological* **evaluation** of the [plant] production [in breeding]. 026263
General precautionary measures in handling plant protection substances; guidelines of the Federal Health Office and the **Federal** *Biological* Institute. 029144
Studies on **floral** *biology* of Jamun (Java plum) [Myrtaceae] [Syzygium cuminii (L.) Skeels]. 027183
A mathematical treatment of rate data obtained in *biological* **flow** systems under nonsteady state conditions [Cotton explant]. 027014
The **flowering** *biology* of Norway spruce [Picea abies]—an obstacle to a rational program for tree breeding? 027340
Introduction to uses and interpretation of principal component analysis in **forest** *biology.* 025172
Fibrin membrane endowed with *biological* **function.** II. Chloroplast adenosine triphosphatase embedded in fibrin membrane. 026394
Germination *biology* of Vigna unguiculata (L.) Walp. And Lablab purpurens (L.) Sweet. seeds under conditions of Turkmenistan. 026615
The effect of the condition of the buds on the cuttings of tea plants on the establishment and *biology* of **growth.** 026836
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a *biological* **herbicide**[**to** control Aeschynomene virginica in rice]. 028495
New pteridophyte records in the **Highlands** *Biological* Station area, southern Appalachians [Pteridophyta]. 025673
The nature of Bacillus thuringiensis endotoxin [**Insect** *biological* control]. 028655
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, **insects** *biological* control]. 028660
Hickory shuckworm [Laspeyresia caryana]: *biology,* **life** history, and control [Pecans]. 028884
Protracted and low **load** *biological* processes [Sugar industry effluents]. 030990
Biologic **losses** of spring barley [caused by overgrowing]. 027347
Biological **method:** achievements and prospects [Plant diseases and pests, control]. 028459
Economic evaluation of chemical and *biological* **methods** [Cabbage, insect pests, control]. 028903
Biological **microanalysis** using EMMA-4 [Dogs]. 023531
Ovalbumin mRNA and ovalbumin DNA and the **molecular** *biology* of steroid hormone action [Chicks]. 023197
Biology in the **north** of Sweden [Calypso bulbosa, Bombus pascuorum sparreanus, Bombus agrorum, pollination]. 026564
Biological **notes** and new synonymy in Forcipomyia (Diptera: Ceratopogonidae) [parasitized by the hymenopteran genus Forcipestricis]. 029355
Biology and **nymphal** stages of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of arthropod pests on ornamentals. 028814
Biological **observations** on Tropidishia xanthostoma Scudder (Orthoptera: Gryllacrididae). 029466
Vitamin E and processes of *biological* **oxidation.** 022222
Biological **pecularities** of embryonic nutrition and the practice of cattle reproduction. 024257
Rapid scan spectrometry. Application to *biological* **phenomenon** study. Case of structured environments [of interest to botany]. 025565
Biological, **physical** and chemical methods in the purification of waste water. 030894
Contribution to the study of the *biology* and **polygyny** of the ant Tapinoma simrothi phoenicium Emery. 029262
Biology, **population** dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Population *biology* of a brine fly [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant algal food. 029320
Daily rhythm of the scototactic orientation of the forest cricket Nemobius sylvestris (Bosc): **Precise** *biological* importance. 029447
Cultivation of the warblefly Oestromyia leporina Pall. (Diptera, Hypodermatidae) and its *biological* **prerequisites.** 029076
Development of *biological* **productivity** of African reservoirs. 030758
Test of shortening the *biological* **rearing** time of cattle after birth by laparotomy under practice conditions. 024230
Taxonomic and *biological* **remarks** concerning Macrophya (Hymenoptera, Tenthredinidae) developing on Sambucus (Caprifoliaceae). 029538
Reproductive *biology* of Pulsatilla patens (Ranunculaceae). 026358
The **reproductive** *biology* of the epiphytic orchids of Florida. II. A method for observing night-pollination. 027111
Solid-state light-intensity controller [for incandescent lamps] for [entomological and] *biological* **research.** 029241
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the *biological* **role** of selenium [Nutrition, toxicity]. 023947
Proceedings of the National Conference on Agricultural and *Biological* **Sciences,** thirteenth session, Kasetsart University, Bangkok, Thailand, February 4-6, 1974. 021128
Biological **significance** [of scandium]. 026597
Problems of the *biological* **soil** disinfection [Gaeumannomyces graminis]. 027979
Elements of **soil** *biology:* Let us preserve it if we with to survive with it. 030175
Studies on the *biology* of **sorghum** shoot flies, Atherigona spp. (Muscidae: Diptera), and shoot fly-sorghum host plant relationships. 028799
The *biological* **specificity** of fruit bearing of lemons under the conditions of Anaseuli [USSR]. 027293
Biological **stabilization** of wines with 5-nitrofurylacrylic acid. 022986
Equations of evolution of the structure and density of synchronous, relatively steady—**state** *biological* communities. 030988
The *biology* of **Stenogaster** concinna van der Vecht with comments on the phylogeny of Stenogastrinae (Hymenoptera: Vespidae). 029395
Recent chemical and *biological* **studies** on natural [plant] products at the Central Drug Research Institute, Lucknow. 026549
Fluorimetric and gas-chromatographic determination of selenium in *biological* **substances** [Human and animal toxicity]. 022216
Biology without **systematics** or renaissance of systematics and taxonomy? [Botany]. 025615
Fundamentals of freezing in *biological* **systems** [Food freezing]. 022452
The use of *biological* **tests** for the examination of pesticides. 029176
Use of *biological* **tests** for evaluation of pesticides. 029179
Biological **transformation** of clay-sized sediments in simulated aquatic environments. 030948
Biological **treatment** of concentrated sugarbeet wastes. 030871
Biological **treatment** with a two stage activated sludge process of wastewater containing cyanide. 030926
Biological **variation** in ascorbic acid needs. 022025
Scientific bases of establishment of maximum permissible concentrations of toxic substances in open **waters** *(biological* aspect) [Pollution]. 030986
Observations on the *biology* of **Xylotrupes** gideon (Coleoptera: Scarabaeidae: Dynastinae) in Melanesia. 029394
Biological and **zootechnical** problems relating to nutritional requirements for conventional and nonconventional proteins: production, availability and consumption. 022013

BIOMASS

Biomass and **activity** of sessile microbes in a polluted river. 030906
Investigations on productivity of Japanese cypress (Chamaecyparis obtusa) stands. I. *Biomass* and **growth** of 28 years-old stands in sorayama. 025166
Lichen *biomass* in Acadian and Boreal forests of Cape Breton Island, Nova Scotia. 025879
Adenosines 5' phosphates (ATP, ADP, AMP) in phytoplanktonic algae. Role in the indirect **measurement** of the *biomass.* 026435
Fluctuations of **phytoplankton** *biomass* and its composition in a subarctic lake during summer. 026443
Fluctuations of **phytoplankton** *biomass* and its composition in a subarctic lake during summer. 026444
On the relations of the [insect population] turnover rate to P/B [production/mean biomass and **production/maximum** *biomass]* and P/Bmax. 029438
Size-biomass **relationships** of several Chihuahuan desert shrubs. 026359
Phytoplankton [Algae] *biomass,* **species** composition and primary production at a nearshore and a midlake station of Lake Ontario during IFYGL (IFYGL) International Field Year for the Great Lakes. 025800

BIOMETRICS

A **compared** *biometrical* analysis of some quantitative characters of Drosophila melanogaster. 029235

BIOMPHALARIA *see* **MOLLUSKS**

BIONOMICS

Some *bionomic* **dates** on the parasite Trichogramma evanescensWestwood in the eggs of Anagasta kuehniella Zeller [Insect pests, biological control]. 028687
Bionomics of the **green** rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. 028789
Bionomics of **Sibinia** sulcatula (Coleoptera: Curculionidae) on mesquite [Prosopis glandulosa] in Texas. 028793
Epidemiological studies on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the *bionomics* of the **vector** [Brugia malayi, Anopheles sinensis]. 029039

BIOPHYSICS

Biophysical **characterization** of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599

Biophysical **characterization** of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600

BIOSPHERE

Tracing mercury in a *biosphere* [**Air** pollution]. 030799
Circulation of **pesticides** in the *biosphere*. 029167
Global inputs and trends of chemical **residues** in the *biosphere*. 030879

BIOSTIMULATION

The effect of transport on *biostimulation* of **algal** growth [Chlorella pyrenoidosa, Anacystis nidulans]. 026547
Proceedings: *biostimulation*—**nutrient** assessment workshop, October 16-17, 1973 Corvallis, Oregon [Environmental pollution, algal assays]. 030858

BIOSYNTHESIS

Tryptophan metabolism of Phycomyces blakesleeanus. I. Elucidation of the pathway of indoleacetic **acid** *biosynthesis* [Fungi]. 026413
Factors influencing the *biosynthesis* of **aflatoxins** [Aspergillus parasiticus, Fungi]. 026601
Biosynthesis of **3alpha,6beta-ditigloyloxytropane** and 3alpha, 6beta-ditigloyloxytropan-7beta-ol in Datura [meteloides]. 026725
The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the *biosynthesis* of **amino** acids. 026868
The *biosynthesis* of **aroma** compounds by microorganisms. I. Formation of N-acetyl-amines by Saccharomyces cerevisiae [Yeasts]. 022554
Biosynthesis of **cannabinoid** acids [Cannabis sativa, marijuana]. 026722
The chinone and pulp relation in higher plants. IV. The *biosynthesis* of **catalpalacton** and catalponol in wood of Catalpa ovata. 026522
A *biosynthesis* **chamber** system for the production of isotopically labeled tobacco. 026970
Biosynthesis of **chitin** by particulate fractions from Cunninghamella elegans [Fungi]. 026671
Biosynthesis of **chlorophyll** b in a homogenate of green leaves in the dark and under light [Barley]. 026947
Effect of ascorbic acid deficiency on the permeability and **collagen** *biosynthesis* of oral mucosal epithelium. 022033
Studies on the glycosylation of hydroxylysine residues during **collagen** *biosynthesis* and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Biosynthesis of **cyanidin** in cell cultures of Haplopappus gracilis. 026726
The *biosynthesis* of **delta-aminolevulinic** acid in greening maize leaves. 027013
Biosynthesis of **ditigloyl** esters of di- and tri-hydroxytropanes in Datura [innoxia]. 026724
Comparison between *biosynthesis* of **ent-kaurene** in germinating tomato seeds and cell suspension cultures of tomato and tobacco. 027264
Biosynthesis of **flavonoids**. 026568
The role of phenylalanine in the *biosynthesis* of **flavonoids** and cinnamic acids in the twining stems of Periploca graeca. 026769
The two-faced microbiologists: contributions of pure and applied microbiology to good research **[Fungi,** *biosynthesis].* 026537
Glycoprotein *biosynthesis* in plants: Demonstration of lipid-linked oligosaccharides of mannose and N-acetylglucosamine [Cotton]. 026976
Approaches to the *biosynthesis* of the **[Hyalophora]** cecropiaC [carbon] 18 juvenile hormone. 029405
Aminoglutethimide and glutethimide: effects on **18-hydroxycorticosterone** *biosynthesis* by human and sheep adrenals in vitro. 023176
Biochemical transformation by fungi, and antifungal activity of 1,4-naphthoquinones, of *biosynthetic* **intermediary** products, and of chemically related compounds. 026364
Biosynthesis of **leaf** alcohol: kinetic study of lipoxygenase activation process caused by hydroperoxylinoleic acid [Soybeans]. 026883
Regulation of the *biosynthesis* of the **macromolecules** of the intercellular matrix of the cornea [Calves]. 023606
Biosynthesis and **metabolism** of ascorbic acid in plants. 026367
Biosynthesis of **meteloidine** from 3alpha-tigloyloxytropane in Datura innoxia. 026723
Tryptophan metabolism of Phycomyces blakesleeanus [Fungi]. II. The *biosynthesis* of **nicotinic** acid. 026414
Effect of calcium on the *biosynthesis* of **phosphatidylcholine** by microsomes prepared from Vicia faba [broadbean] roots. 027148
Procollagen *biosynthesis* by embryonic-chick-bone polysomes. Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. 023396
Biosynthesis and **regulatory** control of ethylene in fruit ripening. A review. 027222
The effect of antibiotics on **RNA** *biosynthesis* in tissues of silkworm [Bombyx mori L.) chrysalis during metamorphosis. 029799
The steroespecificity of *biosynthesis* of **squalene** and beta-amyrin in Pisum sativum [Peas]. 027258
The role of (25S)-5alpha-cholestan-3beta,26-diol and (25S)-5alpha-furostan-3beta,26-diol in the *biosynthesis* of **tomatidine** and neotigogenin [in tomatoes]. 027257
The metabolism of lipids in mouse pancreatic islets. The *biosynthesis* of **triacylglycerols** and phospholipids. 023293
Biosynthesis of **ursene-type** triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463
Biosynthesis of some **water** soluble vitamins during germination of Dolichos lablab (bitter variety). 027184

BIOSYSTEMATICS

Biosystematics of the **genus** Euxoa (Lepidoptera: Noctuidae). IV. Eggs of the subgenus Euxoa Hbn. 029551
Biosystematics of the **North** and Central American species of Gibbobruchus (Coleoptera: Bruchidae: Bruchinae). 029707

BIOTIN

Biotin **content** of feedstuffs. 023040
The effects on liver metabolism of administering excesses of *biotin* to **immature** pullets and laying hens. 023341

BIPHENYLS

Confirmation of **polybrominated** *biphenyl* residues in feeds and dairy products, using an ultraviolet irradiation-gas-liquid chromatographic technique. 021911
Determination of **polybrominated** *biphenyl* residues in dry animal feeds. 029120
Contamination of cereals by **polychlorinated** *biphenyls* and hexachlorobenzene. 021891
Inducibility of mucosal drug-metabolizing enzymes of rats fed on a cholesterol-rich diet by **polychlorinated** *biphenyl*, 3methylcholanthrene and phenobarbitone. 022194
Gas chromatographic characteristics of authentic chlorinated dibenzofurans; identification of two isomers in American and Japanese **polychlorinated** *biphenyls*. 029108
Activated sludge primary biodegradation of **polychlorinated** *biphenyls*. 030812
Polychlorinated *biphenyls* (PCB's) in the rivers Avon and Frome [Water pollution]. 030814
PCBs **[polychlorinated** *biphenyls]* and environmental contamination. 030884
Chemical pollutants: **polychlorinated** *biphenyls* is still a threat. 030963

BIPOLARIS

Saprophytic survival of *Bipolaris* **sorokiniana** on detached laminae of Poa pratensis. 027922

BIRCHES

Birch **[Betula]** trees in shelterbelt forestry. 025040
Undergrowth vegetation effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and *birch* **[Betula** papyrifera] stands in northern Minnesota. 025897
The isozymic similarity of indoleacetic acid oxidase to peroxidase in *birch* and **horseradish.** 027338
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the *birch* **leaf-miner,** Fenusa pusilla (Hymenoptera: Tenthredinidae]. 028926
Static hysteresis in compressed wood of *birch* in **relation** to compression along the fibers. 025410
The **river** *birch* Betula obscura in the West Carpathian Mountains. 025681
Thinning in a maple [Acer]-beech [Fagus] stand in view of producing **yellow** *birch* [Betula alleghaniensis] wood. 025223
Crown release accelerates diameter growth and crown development of **yellow** *birch* [Betula alleghaniensis] saplings. 025260

BIRDS

Bird and **animal** damage control in pecans. 028411
Second parasitological inquiry in Guadeloupe. 1. Trematodes of **aquatic** *birds* [Ducks, geese]. 024493
The **Bachli** *bird* defense system in grape culture. 028435
Wind and storm damages to *bird* **controlling** nets [Viticulture]. 028436
A comparison of two methods for **estimating** *bird* damage to sunflowers. 028386
Long-term effects of [the avian frightening agent] 4-aminopyridine exposure to *birds* and **fish.** 029142
Variations in the levels of follicle-stimulating hormone in the circulation of *birds*, a determined by **homologous** radioimmunoassay. 023523
Distribution of blood glucose and cholesterol levels in White **Leghorn** *birds* in relation to age, sex and reproduction. 023441
Heritability of internal egg quality traits in White **Leghorn** *birds* [Chickens]. 024079
Concerning the fauna of *bird* **lice** parasitizing snipes of southern Turkmenistan [New taxa]. 029600
On the fauna of *bird* **lice** (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. 029602
Feather-forming and hair-forming of dermal cells from glabrous skin of *birds* and **mammals** [Chick, quail and mouse embryos]. 023351
Organochlorine pesticide residues in small **migratory** *birds*, 1964-73 [in Florida]. 029152
Roll of starvation factor in pneumomycosis infection in *birds* **[Poultry].** 024557
Prevalence of oosporesof Albugo cruciferarum in Brassica *[bird* **rape]** seed samples from western Canada, 1967-73. 027932
The production utilization of seeds [by Pogonomyrmex barbatus, *birds*, **rodents]** in plains grassland of southeastern Arizona. 025895
Salmonellosis in *canaries* **[Salmonella** typhimurium]. 024450
On the fauna of bird lice (Mallophaga) of some *birds* from **southern** Turkmenistan (mainly of passerines and hoopoes) [New taxa]. 029602

BIRDSFOOT

Flavonoids fom the *birdsfoot* **trefoil** seeds (Lotus corniculatus L.). 026875

BIRTH

Interaction of management and nutrition on *neonatal* **calf** performance—a preliminary report. 023821
Neonatal **calf** diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and immune relectron microscopy. 024477
Effect of estrogen applied in *puerperium* on its **course** and some indices of fertility in dairy cows. 024244
The status of loci of ossification and epiphyseal plates in the limb bones of *neonatal* **crossbred** (Banuur X Nali) sheep. 023433
Calf response to the initiation of *parturition* in **dairy** cows with dexamethasone or dexamethasone with estradiol benzoate. 024088
Influence of *birth* **date** and dam's age on early growth in beef cattle. 023619
Post-natal **developmental** changes in the length-tension relationship of cat papillary muscles. 023552
Effect of foetal adrenalectomy on maternal oestrogen levels at **dexamethasone-induced** *parturition* in sheep. 024105
Development of longitudinal retraction of carotid arteries in *neonatal* **dogs.** 023407
Serum cholesterol and bowel flora in the *newborn* **[Escherichia** coli, Lactobacilli]. 022008
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 3. Growth to the **first** *calving* of two groups at the same body weight. 023877
Partial milk yield and age at **first** *calving* as the measures to predict lactation yield in Jersey cattle. 024081
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two **groups** *calving* at the same months of age. 023878
Maternal malnutrition and *neonatal* **growth** hormone [Cattle]. 023634
Enzymes of glycerolipid synthesis in small-intestinal muscosa of foetal and *neonatal* **guinea** pigs. 023277
Serum calcium and magnesium levels during pregnancy and at *calving* in **heifers** and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Rupture of the caecum at *parturition* **[Horses].** 024973
Swine physiopathology: Fetal and *newborn* **immunity.** 2. 024709
Different effects of bacterial lipopolysaccharide on *neonatal* **immunological** tolerance to HSA [human serum albumin] in rabbits and chickens. 024523
Effect of flumethasone **induced** *calving* on the postpartum interval of beef cows [Fertility]. 024195
Corticosteroid **induced** *parturition* in cattle. 024218
Effect of flumethasone induced calving on the *postpartum* **interval** of beef cows [Fertility]. 024195
Central and peripheral neural respiratory activity in the mature sheep foetus and *newborn* **lamb.** 023649
Transfer of IgG [immunoglobulin] from plasma to nasal secretions in *newborn* **lambs.** 024756
Test of shortening the biological rearing time of cattle after *birth* by **laparotomy** under practice conditions. 024230
Metabolic and behavioral consequences of a short period of malnutrition in the *neonatal* **life** of the rat and pig. 024880
The use of the pig as an aimal model to study problems associated with **low** *birthweight*. 023580
Relationships of *birthweight*, **maternal** nutrition and infant mortality. 022185
Effect of month, season and sequence of *calving* on **milk** yield in Italian buffaloes. 024250
Radioimmunoassay for bovine plasma 4-androstenedione and result obtained at the time of pregnancy, **parturition,** and *postpartum*. 023566
Proteinuria in *neonatal* **piglets** after oral and intravenous administration of homologous colostrum and serum proteins. 023449
Radioimmunoassay for bovine plasma 4-androstenedione and result obtained at the time of pregnancy, *parturition*, and **postpartum.** 023566
Effects of unilateral ovariectomy on *parturition* and **post-partum** ovulation in the rats. 024139
Effects of some nutritional deficiences on *parturition* in **rats.** 024114
Possibility of **reducing** *calving* difficulties by selection. III. A note on pelvic size in relation to body weight of cattle. 024018
A note on the time of *parturition* in **Russian** Merino ewes [Sheep]. 024077
ACTH [adrenocorticotropic hormone] and the induction of *parturition* in **sheep.** 023543
Changes of the plasma steroid hormones in pre- and *postpartum* **stage** in cows. 024136

Fertility on early rebreeding in *postpartum* **stage** in cows. 024140
Involution of uterine activity in *postpartum* **stage** in cows. 024141
Resumption of ovarian activity in *postpartum* **stage** in cows. 024143
Feeding, managing, and vaccinating dairy and orphan beef calves from *birth* to **weaning.** 023096
Effects of genetic and environmental factors on *birth* and **weaning** weights of Korean native calf. 023644
Cholesterol esterification and lipids in plasma and liver from *newborn* and **young** guinea pigs raised on milk and non-milk diet. 022170

BISBENZYLISOQUINOLINE

Trigilletimine: a **new** *bisbenzylisoquinoline* alkaloid from Triclisia species. 026562

BISOLVON

Raising the oxytetracycline speculum in the bronchial mucous membrane of swine by simultaneous administration of **Bromhexin** *(Bisolvon).* 024364

BISULFITE

Study of lyes of *bisulfite* **boilings** [of wood]. 025329
The influence of adding sulphurous acid and **calcium** *bisulphite* during the extraction of sugarbeet cossettes on the amount of pulp. 022855
Study of sulfonated carbohydrates forming in *bisulfite* **cooking** of spruce. 025411

BITING

The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of *bite* **harvested** by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
Brown **snake** *bite* in horses in southeastern Queensland. 024972

BITTACUS

Sense organs on the antennal flagellum of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, *Bittacus* **chlorostigma**]. 029387

BITTER

The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and fruit thinning **[affect** *bitter* pit development]. 028312
Bitterness of **Dioscorea** cayenensis [Yams]. 022916
A new rapid spectrophotometric determination of **hop** *bitterness* in beer and wort, including the EBU-determination. 022537
Biosynthesis of some water soluble vitamins during germination of Dolichos **lablab** *(bitter* variety). 027184
Leaf analysis for prediction of *bitter* **pig** [in apples]. 028306
Harvesting and storing in relation to *bitter* **pit** [in apples]. 022864
The mineral composition of apples. Calcium concentration and *bitter* **pit** in relation to mean mass per apple. 022952
Antagonism between calcium and other elements in the apple fruit [the primary cause of *bitter* **pit** development]. 028297
Fruit analysis for prediction of *bitter* **pit** [in apples]. 028303
Influence of nutrition on *bitter* **pit** in apples. 028304
Second discussion meeting on *bitter* **pit** [disease] in apples Bonn, May 15 to 17, 1974. 028307
Soil cultivation and water supply in relation to *bitter* **pit** [in apples, excessive potassium, calcium deficiency]. 028308
Structure and *bitter* **taste** in the hulupone series [Food chemistry]. 022524
Relations between structure and *bitter* **taste** of amino acids and peptides. I. Amino acids and related compounds [in food]. 022553

BITUMENS

The influence of hot mix asphalt plants on vegetation with special regard to vapors from **asphaltic** *bitumen.* 028361
Effect of *bitumen* **emulsion** and polyacrylamide on some physical properties of Venezuelan soils. 030365

BLABERUS

Moulting hormone and cuticle synthesis by epidermal cells of in vitro cultured cockroach embryos *[Blabera* **cranifer**]. 029271

BLACK

The composition of *black* **acid** [a semiproduct of processing pyroligenous distillate] from wood chemistry enterprises. 025339
Black-grass [**Alopecurus** myosuroides, control]. 028484
Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with **bacterial** *black* spot [Erwinia mangiferae]. 028126
Bacterial *black* spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial *black* spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Respiration rate of the mango fruit peel and its association with **bacterial** *black* spot [Erwinia mangiferae]. 028129
Resistance of tomato varieties to *black* **bacterial** spot [Xanthomonas vesicatoria]. 028142
Effect of two soil types on insecticide activity against *black* **beetle** [Heteronychus arator] adults [Maize]. 028779
Insecticide screening trials against *black* **beetle** [Heteronychus arator, pastures, maize]. 028781
Resistance of lucerne to *black* **beetle** [Heteronychus arator]. 028783
The effect of two pathogens [Adelina, RNA virus] on a *black* **beetle** [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784
Prospects for the cultivation in Italy of the **Capuli** *black* cherry, Prunus serotina subsp. capuli (Cav) McVaugh. 027710
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, *black* **carpet** beetle]. 028987
The phenolics of fruits. VI. The phenolics of currants, gooseberries and blueberries. Changes in phenolic acids and catechins during development of *black* **currants.** 023004
Leaf spot of *black* **currants** [Virus diseases, vectors]. 028287
The effect of residue moisture in wilted leaves on quality indices of **fine** *black* tea. 022541
Effects of insect developmental inhibitors on adult emergence of *black* **flies** [Simulium vere-cundum] (Diptera: Simuliidae. II. 029002
Inversion polymorphism in natural populations of two species of *black* **flies** [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). 029493
Land use planning in a resort community, using the community of Menzenschwand in the *Black* **Forest** as an example. 025110
Xanthene dye-sensitized photooxidation in the *black* **imported** fire ant, Solenopsis richteri. 028646
Productive performance of **Japanese** *Black* cattle in Kagoshima prefecture. 024047
Physiological and morphological properties of the **Japanese** *black* and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
The biology of the *black* **larval** mutant of the tobacco hornworm, Manduca sexta. 029420
Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL *[black* **light**] traps. 028753
Population fluctuations of Oriental tobacco budworm (Heliothis assulta G.) in *black* **light-traps** and field control studies. 028791
Research on glycerides from *black* **locust** [Robinia pseudacacia] seeds. 027339
Palynology of some Upper Cretaceous coals of *Black* **Mesa,** Arizona. 025798
The *black* **mildew** Appendiculella calostroma and its fungal hyperparasites. 027912
Selective submerged productions of three types of glucoamylases by a *Black-koji* **mold** [Aspergillus awamori]. 026348
Incidence and state of adulteration of commonly consumed spicies in Bombay City. II. Mustard, *black* **pepper** and asafoetida. 021903
Meat efficiency of the F11 generation crossbred of the Slovak Spotted cattle with the *Black* **Pied** Lowland cattle. 022713
Improvement of *Black* **Pied** cattle at the breeding farm Krasnaia Zvezda. 024266
Possibilities for crossbreeding in dual purpose cattle: Holstein Friesian X *Black* **Pied.** 024289
Black **rot'** [Thielaviopsis paradoxa] of pineapple—a new record from south India. 027943
Black **rot** of apples and trials for its control. 027959
Growth and productivity of representatives of North American tree flora on the *Black* **Sea** coast of the Caucasus. 025709
Mineralogical composition of some red and *black* **soils** of India. 030312
Black **spot:** a nonparasitic disease of bell pepper fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. 028417
Control of *black* **stripe** disease [Phytophthora botryosa] of rubber. 028083
The fate and effect of hairs removed from honeybees [Apis mellifera] with *hairless-black* **syndrome.** 029843
Uptake, distribution, and degradation of simazine by *black* **walnut** [Juglans nigra] and yellow-poplar [Liriodendron tulipifera] seedlings [Herbicides]. 028624

BLACKBERRIES

A comparison of two drip irrigaton schedules with sprinkler irrigation in Thornless **Evergreen** *blackberries.* 030727
Growing *blackberries* [Culture]. 027736

BLACKFACE *see* SHEEP

BLADDERS

The **urinary** *bladder:* neurogenic or nonneurogenic problem [in animals. 024840
Modern views on the etiology, epidemiology, diagnosis and pathology of **urinary** *bladder* cancer [in animals]. 024863
The induction and the oncogenic mechanism of **urinary** *bladder* cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of **urinary** *bladder* cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the **urinary** *bladder* in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003

BLADES

A new process for **simultaneous** *blade* coating on two sides [Production of paper]. 025502

BLAST

Flower-bud *blasting* in tulips [due to storage and greenhouse conditions]. 028302
Tests of sources of resistance to *blast* **[Pyricularia** oryzae, rice]. 028004

BLASTOCLADIELLA

Variation in average unit chain length of glycogen in relation to developmental stage in *Blastocladiella* **emersonii** [Fungi]. 026684
Isolation and characterization of microbodies and symphyomicrobodies with different buoyant densities from the **fungus** *Blastocladiella* emersonii. 025947
Growth and differentiation of the water **mold** *Blastocladiella* emersonii: cytodifferentiation and the role of Ribonucleic acid and protein synthesis [Fungi]. 026390

BLASTOCYSTS

Immunosurgery of **mouse** *blastocyst.* 024670

BLASTODISKS

Erythropoiesis in cultures of dispersed cell preparations from early **chick** *blastodiscs.* 023399

BLASTOMYCES

Canine pulmonary blastomycosis *[Blastomyces* **dermatitidis**]. 024776

BLASTOMYCOSIS

Canine **pulmonary** *blastomycosis* [Blastomyces dermatitidis]. 024776

BLATTELLA

Genetic linkage of malathion resistance in the German cockroach *[Blattella* **germanica**]. 028972
The inhibiting effect of tris (1-aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the reproduction of *Blattella* **germanica** L.). 028997
Experimental investigation of the circadian locomotor activity of *Blattella* **germanica** L. (Dictyoptera, Blattellidae). 029256
Contributions to the study of Blattidae. IV. Laboratory experiments on the efficacy of some methods of insecticide application in controlling the **species** *Blattella* germanica L. 028970

BLATTIDAE

Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea maderae (Dictyoptera, *Blattidae)* **crossing** of the gut wall. 028991
Experimental investigation of the circadian locomotor activity of Blattella germanica L. **(Dictyoptera,** *Blattellidae).* 029256
Contributions to the study of *Blattidae.* IV. **Laboratory** experiments on the efficacy of some methods of insecticide application in controlling the species Blattella germanica L. 028970
Controlling cockroaches *[Blattidae]* without **synthetic** organic insecticides. 028986

BLEACHING

Continuous process for the treatment with **activated** *bleaching* earth during refining of aromas. 022428
Bleaching **cellulose.** I. A free radical mechanism. 022839
Bleaching of **chlorophyll** by digitoxin [Digitalis purpurea]. 026861
Study for the manufacture of *unbleached* **high** yield pulp from bagasse. 025366
Oxygen-bicarbonate *bleaching* of kraft pulp. 025489
Hydrogen **peroxide** *bleaching* of marinated herring. 022501
Kinetics of each stage of the *bleaching* **sequence** CEHD [Wood pulps]. 025378

BLEEDING

Response of chickens with genetically different hemoglobin types to infection with Eimeria tenella and **mechanical** *bleeding* [Chickens]. 024448

BLENDING

An imperative for development: a *blended* **agro-food** policy. 021777
Determining polyester in **cotton/polyester** *blends* with monoethanolamine solvent. 022840
Research on nutrition of meat and **extender** *blends* shows PER of mixtures close to that of lean beef. 022341
Improved durable flame retardancy of **polyester/cotton** *blends.* 021975
Open-end spun yarns made from *blends:* their **properties** during bobbin formation [Polyester, cotton]. 022770

BLIGHTS

Injury to wheat seeds from **Alternaria** *blight.* 028112
The distribution and the lysis patterns of the bacteriophages of Xanthomonas malvacearum, the incitant of **bacterial** *blight* of cotton. 028149
Bacterial *blight* [Erwinia amylovora] not discovered [but bacterial canker present on apples and pears in Maritime Territory]. 028155

Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and biochemical methods [Agents of **bacterial** *blight* on fruits]. 028156
Bloom *blight* [of Camellia] at show time [Sclerotinia camelliae, chemical control]. 027893
Seasonal fluctuations in ascospore concentrations of Didymella applanata in relation to raspberry **blur** *blight* incidence. 027901
Lack of foliar protection from **early** *blight* [Alternaria solani] by aircraft-applied fungicides on sprinkler-irrigated potatoes. 028070
Camellia **flower** *blight* —1975 [Sclerotinia camelliae]. 027894
Overwintering, sources of infection and development cycle of Phytophthora infestans (Mont.) de By. [**Late** *blight* of potatoes]. 028017
The status of "tomato" races of Phytophthora infestans [**Late** *blight].* 028031
Ontogenetic predisposition of tomato foliage to race O of Phytophthora infestans [**Late** *blight].* 028058
Light-stimulated toxin production in Helminthosporium maydis, race T, cultures [Southern corn **leaf** *blight].* 027919
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, **leaf** *blight* of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Studies on the **leaf** *blight* of rice plant. III. A metabolite of the pathogenic bacteria [Xanthomonas oryzae]. 028151
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, *blight* of **oats,** Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
The spread of **potato** *blight,* Phytophthora infestans (Mont.) de Bary, as influenced by sprinkler irrigation. 027909
Association of **sclerotial** *blight* [Sclerotium rolfsii] with Spissistilus festinus girdling injury on soybean. 028724
Studies on the forecasting techniques of **sheath** *blight* [Pellicularia sasakii] of rice. 027905
Validamycin, a new antibiotic for Rhizoctonia disease control [**Sheath** *blight,* rice]. 027986
Shoot *blights* of ohia and koa [Metrosideros collina polymorpha, Acacia koa] caused by Calonectria theae. 028075

BLIND

Garden for the *blind* [**Lenny** Santoro Memorial Garden]. 027701
Winter *blindness* of Gladiolus: interaction of light and temperature. 028313

BLISTER

Culturing larvae of *blister* **beetles** [Nemognatha] on diets containing different pollens collected by honeybees [Apis mellifera]. 029810

BLOAT

A review of *bloat* in **cattle.** 024899
Plant tannins, *bloat* and **nutritive** value [Cattle]. 023832
Additional note on serum alkaline phosphatase activity in *bloat* in **Zebu** [cattle] and ruminal impaction in buffaloes. 024843

BLOOD

Blood-feeding **activity** of partially engorged Culex nigripalpus (Diptera: Culicidae). 029326
Isoimmune **anti-A** *blood* group reagents in pigs. 024404
Determination of the quantitative relationship between time varying work load and **aortic** *blood* flow and heart rate in the dog. 023549
Blood **calcium** levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning [Doves, ducks]. 024950
Calf *blood* extract in treatment of equine foot lesions. 024982
The Mongolian gerbil: qualitative and quantitative aspects of the **cellular** *blood* picture [Laboratory animals]. 023579
Junctions in the central nervous system of the cat. IV. Interendothelial junctions of **cerebral** *blood* vessels from selected areas of the brain. 023361
Occurrence of Trichomonas gallinarum in the *blood* of **chicken.** 024549
Maintenance of calcium and phosphorus levels in *blood* [**Chickens].** 023440
A leukocyte migration inhibition assay technique using *blood* **clot** fragments in vitro [Guinea pigs, immunization]. 023397
Effect of temperature on *blood* **composition** of Nevada deer. 023629
Effect of protein concentration in the diet on *blood* **composition** and productivity of lactating Holstein cows under thermal stress. 023750
Effect of glucose and Fructose in the protein-repletion diet fed after protein-depletion on some *blood* **constituents** of rats. 021993
Effect of ameliorating summer temperature stress on some *blood* **constituents** of Large White Yorkshire weaners [Sheep]. 023442
A technique for measurement of retrograde **coronary** *blood* flow in intact anesthetized dogs. 023458
Simultaneous counting of 85Kr [kypton isotope] in lung and myocardium during measurement of **coronary** *blood* flow [Dogs]. 023472
Effect of vasoactive agents on the distribution of renal **cortical** *blood* flow in dogs. 023182
Response of ovine pancreatic amylase to **elevated** *blood* glucose [Sheep]. 023457
Experimental studies on bracken poisoning of cattle: clinical findings and *blood* **figures.** 025002
Activity and properties of alkaline phosphatase in some body **fluids** *(blood* plasma, blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and *blood* **glucose** in selenium deficient, vitamin E supplemented rats. 022182
Distribution of *blood* **glucose** and cholesterol levels in White Leghorn birds in relation to age, sex and reproduction. 023441
Blood **glucose** and tissue glycogen levels in turkey poults with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818
The occurrence of *blood* **group** H-like activity in seed extracts of higher plants. 026649
Hybrid studies on the genetics of coat color and *blood* **groups** of Landrace and Vietnamese swine. 024219
Osmotic interrelationship between *blood* and **gut** fluid in the isopod Porcellio scaber Latr. (Crustacea). 029312
Estimation of the concentration of urea in the *blood* of **horses,** cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. II. Heparin-like substance **level** in *blood.* 024980
Effect of wheat fiber on *blood* **lipids,** fecal steroid excretion and serum iron [in human nutrition]. 021999
Effect of supplementation of some essential amino acids on free amino acids in *blood* and **liver** of albino rats fed different pulse proteins. 022108
Salivary glands of female Culex pipiens: morphological changes associated with **maturation** and *blood-feeding.* 029004
Relationship between *blood* **meal** volume and ovarian development in Culex nigripalpus (Diptera: Culicidae). 029008
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and *blood* **metabolites** [Dairy cows]. 023774
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in **peripheral** *blood* plasma of the cow [Cattle]. 024138
Experimental studies on "larva migrans". I. Transition of *blood* **picture** in mice infected with Toxocara canis larvae. 024622
Cholesterol content and fatty acid composition in egg yolks and *blood* **plasma** of poultry [Dietary effects]. 023717
Concentration and transport of different sugars in the lymph of the thoracic duct and in *blood* of the **portal** vein in dogs after enteral and parenteral administration. 023388
The effects of histamine and some histamine-like agonists on *blood* **pressure** in the cat. 023331
The action of fluoride on the calcium **pretreated** *blood* [Rabbits]. 023542
Evaluation of **primary** *blood* monocyte and bone marrow cell culture for the isolation of Rickettsia rickettsii [Guinea pigs, monkeys]. 024574
Bioavailability of lysine in ring **process** *blood* meal for swine. 023884
Preliminary observations on the influence of different feed protein levels on the *blood* **profile** of dairy cows. 023687
The role of *blood* **profiles** in cattle health problems. 024303
Effect of different rootstocks on vigour, yield and fruit quality of *blood* **red** orange (Citrus sinensis Osbeck) [Culture]. 027761
Regional *blood* flow in rats exposed to supralethal doses of whole body X-irradiation. 023639
Change in content of glutathione in the *blood* **relative** to age and its relationship to certain production qualities in swine. 023668
The effect of atmospheric levels of pesticides on pesticide residues in rabbit adipose tissue and *blood* **sera.** 024945
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, *blood* **serum,** bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Carotene content in *blood* **serum** of young Arabian camels in ontogenesis. 023451
Comparison of free amino acids in *blood* **serum** of men and animals. II. Man, rabbit, guinea-pig, swine. 023676
Residues in milk, *blood* **serum** and urine after intrauterine administration of antibiotic trade preparations to puerperal cows. 024995
Nucleosides and nucleotides of the cold acid-soluble portion of the *blood* of **steers.** 023456
Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and **systemic** *blood* fractions [Rabbits]. 023608
Effect of prostaglandin PGE on *blood* and **tissue** lipids in rabbit experimental atherosclerosis. 023605
The *blood* **vascular** system of the bovine omasum. 023232
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of *blood* [**Veterinary** hematology]. 024333

BLOODSUCKING

ULV [Ultra-low volume] sprays of propoxur for control of [a *bloodsucking* **mite**] Trombicula alfreddugesi. 029029

BLOOM

Bloom **blight** [of Camellia] at show time [Sclerotinia camelliae, chemical control]. 027893
Gibberellic acid [for producing **early** *blooms* of Camellias]-flower bud vs. vegetative bud. 027671
Study of the Andrena carantonica behavior during the *blooming* of the **Golden** Delicious apple trees [Apoidea, pollination]. 029741
Fruits and tree nuts: *blooming,* **harvesting,** and marketing dates. 027656
Summer **phytoplankton** *blooms* and red tides along tidal fronts in the approaches to the English channel. 026691
Preliminary investigations on the effect of various fungicides applied during *bloom* on **pollen** germination and fruit set [Pears, peaches]. 027910
Nitrogen utilization during **spring** *blooms* of marine phytoplankton in Bedford Basin, Nova Scotia, Canada. 026667
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and **winter** *bloom* production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639

BLOSSOM *see* FLOWERS

BLOTCH

Oat yield losses from septoria **leaf** *blotch* [Leptosphaeria avenaria] at four locations in eastern Canada. 027931
"Popperdrop" *[stud-blotch,* **plant** disease]. 028294

BLOW

The Kongskilde TRL 55 **cereal** *blower.* 030046
Techniques for evaluating **forage** *blowers.* 030149
Estimating the transport and evaporation of *blowing* **snow.** 030701

BLOWFLIES

The pattern of reactivation of diapausing larvae in the *blowfly,* **Calliphora** vicina. 029421
Synchronization of function in the foregut of the *blowfly* **Phormia** regina (Diptera: Calliphoridae) during the crop-emptying process. 029289

BLUE

The initial organic products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the *blue-green* **alga** Anabaena cylindrica. 026395
Modification of the automated sequence determination as applied to the sequence determination of the *[blue-green* **alga]** Spirulina maxima ferredoxin. 026404
Canopy lichens with *blue-green* **algae:** a nitrogen source in a Colombian rain forest. 025894
Carbonic anhydrase levels in *blue-green* **algae** [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440
Microtubular complexes in *blue-green* **algae** [Nostoc sphaericum]. 026820
Bringing **back** *blue* grama [Bouteloua gracilis, growth as forage crop]. 026885
Normal hematological parameters in cattle of the Central **Belgian** *Blue,* West Flemish Red and East Flemish Red Pied breeds. 023239
An update on *blue* **Cattleya** breeding. 026080
Ova transfer in **Danish** *blue* white cattle. 023968
On fructification of *blue* **Douglas** fir [Pseudotsuga glauca] in forest-ranger district Perisor-Dolj. 025231
Primary shoot production of *blue* **grama** [Bouteloua gracilis]grassland in south-central New Mexico under two soil nitrogen levels. 027525
Ultrastructure of a *blue* **green** alga: Pseudanabaena galeata, Bocher. 026051
On the respiratory enhancement in Chlorella pyrenoidosa by *blue* **light** [Algae]. 026803
Conformational changes in spinach (Spinacia oleracea) leaves chloroplasts in vivo [when exposed to red or *blue* **light].** 027093
Investigations on the ecology and physiology of the **marine** *blue-green* algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Quantification of lactones in ripening pasteurized **milk** *Blue* cheese containing added microbial lipases. 022590
Muscle formation de novo under the transplantation of muscles treated by **trypan** *blue* [Rabbits, rats]. 023603

BLUEBERRIES

Mechanical properties influencing vibrations in *blueberry* **canes** [Vibratory harvesters, mathematical model]. 030145
The phenolics of fruits. VI. The phenolics of currants, gooseberries and *blueberries.* **Changes** in phenolic acids and catechins during development of black currants. 023004
Trials on 11 **highbush** *blueberry* cultivars in Piedmont, Italy. 027711
Aerial application of systemic and nonsystemic fungicides for control of mummy berry disease [Monilinia vaccinii-corymbosi] of **highbush** *blueberry.* 028066
A study of variation in fruit yield and related characters in two diallels of the **lowbush** *blueberry,* Vaccinium angustifolium Ait. 026115
Augusta **lowbush** *blueberry* [cultivar]. 027722

Effect of temperature on the development of Godronia cassandrae f. vaccinii cankers on **lowbush** *blueberry*. 027929
Blueberry **varieties** and their culture in the United States. 027657

BLUEGILLS
Acute toxicity of pesticide mixtures to *bluegills* **[Fish].** 029083

BLUEGRASSES
Seed production of **Kentucky** *bluegrass* [Poa pratensis] associated with age of stand. 027359
Banff **Kentucky** *bluegrass* [dwarf cultivar of Poa pratensis]. 027381
Kentucky *bluegrass* [Poa pratensis] and perennial ryegrass [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. 028069
Wild oat control in **Kentucky** *bluegrass* [Poa pratensis] and perennial ryegrass [Lolium perenne]. 028625

BOARDS
A survey of aquatic weed control methods used by internal **drainage** *boards*, 1973. 028587
1974 Oregon timber harvest *[Board* **feet].** 025158
Recent developments in the **field** of *particleboard*. 025358
A laboratory investigation of puckering in **lightweight** *linerboards*. 025501
Recent developments of **multi-daylight** *particleboard* presses. 025359
The use of polyvinyl chloride foil during surface processing of **particle** *boards*. 025291
On the behaviour of wood particles in hot air-steam mixtures—a contribution of the improvement of particle drying in **particle** *board* plants. I. 025376
Method of determining formaldehyde and methanol extracted in poly-condensation of resin in hot pressing of **particle** *boards*. 025395
Study of some characteristics of Rhododendron wood species and their suitability for **particle** *board* manufacture under laboratory conditions. 025514
Incombustibility of fire-retardant [fiber] *boards* made of **pulp** sludge and perlite. 025430
Compressive properties of *linerboard* as **related** to corrugated fiberboard containers: a theoretical model. 025504
Suitability of the block shear test to evaluate the bonding **strength** of *particleboard*. 025360
Humidity effects on properties of **structural** *particleboards* from forest residues. 025532
Production of **thin** *particleboard* by resistance heating. 025357
Improvement of the characteristics of **veneer** *boards* made from poplar wood by moddification of their outer layer. 025517

BOCCONIA
Alkaloids from the leaves of *Bocconia* **frutescens** L. 026528

BOEHMERIA
Flavones and other compounds of Boehmeria tricuspis and *Boehmeria* **holosericea.** 026734

BOGS
Effect of **liming** *peat-bog* soils on change in their agrochemical indices and crop yields. 030557
Effect of potassium fertilizers on the intensity of microbiological processes and fertility of **lowland-type** *peat-bog* soils. 030626
Productivity of the ant Formica dakotensis in a spruce [Picea] *bog*. 1. **Observed** and estimated densities of the colonies. 029381
Muddy peat algae of Finnish **raised** *bogs*. 025862

BOILING
Study of lyes of **bisulfite** *boilings* [of wood]. 025329
Balance and dynamics of distribution of extractive resins during the process of sulfate **cellulose** *boiling*. 025298
Recovery of sulfite alkalis from *boiling* **cellulose** with acid on a mixed base. 025325
Nutritional qualities of some African edible leafy vegetables. Effect of *boiling* on the **essential** amino acid composition of their extracted protein. 022933

BOLLS
Better organization for drying of **flax** *bolls* [Mechanization, linseeds]. 030154
Dispersal of **marked** *boll* weevil [Anthonomus grandis]: 19701973 studies. 029217
Boll **weevil** [Anthonomus grandis] oviposition behavior: multiple punctured squares [Cotton lines]. 028726
Boll **weevil** [cotton pests, control]: survival in hibernation cages and in surface woods trash in central Texas. 028748
Phenotypic deviants in the ebony genotype in the *boll* **weevil** [Cotton pests, control] [Anthonomus grandis]. 028752
Suppression of the *boll* **weevil** [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] methyl parathion [on cotton]. 028755

BOLLWORMS
A study on resistance development of the **American** *bollworm* [Heliothis armigera] to some pesticides. 028787
The economic threshold of infestation for the **cotton** *bollworms* [Pectinophora gossypiella, Earias insulana] on yield in Egypt. 028801
Small plot tests of insecticidal sprays for *bollworm-budworm* **[Heliothis** zea-Heliothis virescens] control on cotton. 028713
Bollworm **(Heliothis** sp.) control on rainfed cotton of tinnies tract of Tamil Nadu. 028717
Overwinter survival and spring emergence of the *bollworm* **[Heliothis** zea] in Arkansas [Cotton]. 028735
Dispersal and mating in the field by male **pink** *bollworm*, Pectinophora gossypiella, labeled with 32P [phosphorus isotope]. 026952
Influence of genetic selection on diapause termination of the **pink** *bollworm* [Pectinophora gossypiella]. 028708
Influence of temperature on adult biology and population growth of Bracon kirkpatricki [parasite of the **pink** *bollworm*, GPectinophora gossypiella]. 028709

BOMBUS
Biology in the north of Sweden [Calypso bulbosa, Bombus pascuorum sparreanus, *Bombus* **agrorum,** pollination]. 026564
Bumblebees *[Bombus]* as **guests** of the apiculturist [Rearing]. 029368
Biology in the north of Sweden [Calypso bulbosa, *Bombus* **pascuorum** sparreanus, Bombus agrorum, pollination]. 026564

BOMBYCIDAE
Trehalase activity in the silk glands of the silkworm, Bombyx mori **(Lepidoptera:** *Bombycidae).* 029777

BOMBYX
Uptake of the sex pheromone 3H [hydrogen isotope] bombykol and related compounds by male and **female** *Bombyx* [mori] antennae. 029840
Selective changes in methionine tRNA species during development of the posterior silkglands of *Bombyx* **mori.** 029249
A simple procedure for partial purification of silkworm *[Bombyx* **mori]** brain hormone. 029716
Nutrition and artificial feed for silkworm *[Bombyx* **mori].** 3. 029717
Studies on the growth of the silkworm, *Bombyx* **mori** L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of silk substance and eggs. 029776
Trehalase activity in the silk glands of the silkworm, *Bombyx* **mori** (Lepidoptera: Bombycidae). 029777
Growth requirements of entomogenous bacteria and the nature of some bacterial diseases of insects *[Bombyx* **mori].** 029789
Application of disk-electrophoresis method to investigate tissues of silkworm *[Bombyx* **mori]** larvae infected by nuclear polyhedrosis virus. 029796
Effect of short-term inbreeding on biological characteristics of the silkworm *[Bombyx* **mori].** 029797
The effect of antibiotics on RNA biosynthesis in tissues of silkworm *[Bombyx* **mori** L.) chrysalis during metamorphosis. 029799
Alteration of egg diapause in *Bombyx* **mori** by ouabain injected into diapause egg producers. 029835
Detoxication mechanism of *Bombyx* **mori** against exogenous phytoecdysone ecdysterone. 029837
Further characterization of the silkworm *[Bombyx* **mori]** diapause hormone A. 029838
Relationship between hormone titres and RNA and protein syntheses when the change to the pupal programme occurs in the silkworm, *Bombyx* **mori.** 029839
The terminal sequence of *Bombyx* **mori** 18S ribosomal DNA. 029852
Autumn: silkworm *[Bombyx* **mori]** variety "Jam 113 X Jam 114". 029855
Incorporation of labelled amino acid into ova during ovarian development in the silkworm, *Bombyx* **mori** L. 029864
Studies on aminotransferases in the developing ovary of the **silkworm** *Bombyx* mori L. 029790
Studies on aminotransferases in the developing ovary of the **silkworm** *Bombyx* mori L. 029791
Effect of synthetic juvenile hormone analogues on the **silkworm** *Bombyx* mori L. 029865

BONDING
Adsorption and *bonding* **energy** indexes for phosphorus in four soils of northeast Thailand. 030201
Novel method for **estimating** *hydrogen-bonded* CO2H [carboxyl] groups in humic substances. 030196
Graft copolymers of dextrin and polyacrylamide as filler retention aids [Production of **filled** *bond* paper]. 025486
Hydrogen *bonding* in yeast phenylalanine transfer RNA. 026812
Studies on the *bonding* **states** of the chlorophylls in freezedried [wheat] chloroplast lamellae by use of various solvents. 027004
Suitability of the block shear test to evaluate the *bonding* **strength** of particleboard. 025360

BONES
Ultrastructural observations of **amorphous** *bone* mineral in avian bone [Chickens, pigeons]. 023354
Further evaluation of conventional and *hot-boned* **bovine** longissimus dorsi muscle excised at various conditioning periods [Beef carcasses, tenderness]. 022681
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, *bone)* of **cattle.** 023251
Specific gravity estimates of *bone* **composition** [Cattle, sheep, swine]. 022706
Protein yields from *bones* **destined** for processing [Cattle, sheep, swine]. 022702
Nutrition and *bone* **development** in horses. 023754
The effects of levels of calcium, phosphorus and vitamin D on *bone* **deveopment** and eggshell quality in modern laying hens. 023825
Histology of the developmental process of the femoral diaphysis and its pathological significance in broiler chickens *[Bone* **diseases].** 024874
Surgical approaches to certain long *bones* of the **horse** for application of tension band plates. 024320
The status of loci of ossification and epiphyseal plates in the **limb** *bones* of neonatal crossbred (Banuur X Nali) sheep. 023433
Evaluation of primary blood monocyte and *bone* **marrow** cell culture for the isolation of Rickettsia rickettsii [Guinea pigs, monkeys]. 024574
A trichromatic staining for the detection of muscle protein, connective tissue protein and **mineralized** *bone* particles. 022644
Procollagen biosynthesis by *embryonic-chick-bone* **polysomes.** Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. 023396
Stroncium content of **poultry** *bones* and egg-shell. 022723
Bone **resorbing** activities of 24-hydroxy stereoisomers of 24hydroxyvitain D3 and 24, 25-dihydroxyvitamin D3 [Rats]. 023270

BONSAI
Camellia *bonsai*. 027664
Water tolerant **trees** as *bonsai*. 027715

BOOKS
Reprints of early English **bee** *books*. 029751
The Canadian conformation system: **herd** *book* participation [Dairy breed]. 024173
Book **ownership** and reading interest of Braunschweig farmersin the 18th century. 021153
About the [nature protection] plant species of Turkmenistanto be entered in the **"Red** *book* of USSR". 025554
A *primer* on **vitamins.** 022155

BOOPHILUS
Host resistance to cattle **tick** *(Boophilus* microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
Animal health considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, Anaplasma, and *Boophilus* **ticks].** 024720

BORAGINACEAE
A new Wellstedia [filtuensis] *(Boraginaceae)* from **Ethiopia.** 025729

BORAX
Heating and weight-loss sequences in maple [Acer saccharum]chip piles and the **effect** of *borax*. 025509

BORDEAUX
International Congress on Mycoplasmas (11-17 September 1974, *Bordeaux,* **France),** abstracts of the communications on 'plant mycoplasma diseases'. 028253
Comparison of benomyl and captafol with *Bordeaux* **mixture** for control of European canker [Nectria galligena] of apple. 028034

BORDERS
Exchange rate fluctuations and *border* **levies:** consequences for swine producers in the German Federal Republic with respect to their 1970-1973 price level. 021463
Staining reactions of the **tissue** *bordering* lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262

BOREAL
Lichen biomass in Acadian and *Boreal* **forests** of Cape Breton Island, Nova Scotia. 025879

BORERS
Romanian references on the European **corn** *borer* Ostrinia (pyrausta) nubilalis (Hubner) [Bibliographies]. 028716
European **corn** *borer* [Ostrinia nubilalis] and redbanded leafroller [Argyrotaenia velutinana]: disruption of reproduction behavior [Cornfields, oatfield]. 028728
Leaf-feeding resistance to the European **corn** *borer* [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
The European **corn** *borer* [Ostrinia nubilalis, control]. 028792
Reduction of the number of **corn** *borers* [Pyrausta nubilalis, control, Chernovtsy Region]. 028804
Results of investigations of the resistance of poplar varieties to the *borer* **Cryptorrhynchus** lapathi., Curculionidae, Coleoptera. 028957
Evaluation of brinjal varieties for resistance to shoot and **fruit** *borer,* Leucinodes orbonalis Guen. 028863
Lesser **peachtree** *borer* [Synanthedon pictipes, pest of stonefruits]: the effect of temperature and humidity on egg development. 028851
Study on reaction of rice to rice **stem** *borers*. 028790

Nomenclatural changes in **stem** *borers* [Chilo] of gramineous crops. 029581

BORON
Evolution of chlorinated phenols from **concentrated** *boron* solutions containing these phenols added as their sodium salts [Wood preservation]. 025465
An inventory of **extractable** *boron* in the profiles of soils used for corn production in Michigan. 030331
Toxicity from *boron* **[Grapes].** 028428
Effect of presoaking seed treatment with indole-acetic-acid on wheat under different salinity regimes coupled with SAR and *boron* **levels.** 027418
Influence of *boron* and **manganese** on starch quality of potatoes. 027299
Translocation of *boron* to **plant** fruits [Peanuts, subterranean clover]. 026389
Effect of urea and *boron* on the **quality** of grapes. 030473
Fixation of *boron* in **relation** to certain soil properties. 030242
Relationship among macronutrients, *boron* and **zinc** contents of coffee leaves and yield. 026526

BOS
Host resistance to cattle tick (Boophilus microplus) in **Brahman** *(Bos* indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
Comparative macro-anatomic and subgros investigations on the eyes of the native **buffalo** *(Bos* bubalis) and the ox (Bos taurus) [Eyelids]. 023525
A note on an unusual case of echinococcosis [Echinococcus granulosus] in a **buffalo** *(Bos* bubalis). 024794
Studies on the histological structures of the small intestine of Indian **buffaloes** *(Bos* bubalis). 023432
Prenatal development of the autonomic innervation to the pelvic viscera in **ox** *(Bos* taurus). 023444
Unusual anatomical disposition with supernumerary rib and anomalous vertebra in **ox** *(Bos* indicus). 023446
Comparative macro-anatomic and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the **ox** *(Bos* taurus) [Eyelids]. 023525

BOTANISTS
James Hamilyn Willis **[Australian** *botanist]:* a biographical sketch. 025561
Mikhail Fedorovich Ternovskii (on his ninetieth **birthday)** *[Botanists].* 025569
Liberty Hyde Bailey as I knew him *[Botanists,* **horticulturists].** 027692
Adam Boros (1900-1973) *[Botanists,* **Hungary].** 025571
Obituary of Dr. Yukio Yamada (1900-1975) **[Japanese** *botanists,* algae]. 025557

BOTANY
X-ray microanalysis in *botany* **[Barley].** 026981
In reply to Mr. Welch, or the status and relationship of cultivar and *botanical* **categories** of infraspecific rank [Nomenclature]. 025834
Modification of the *botanical* **composition** and dry substance yield of grass and white clover mixtures from the use of different Dactylis varieties. 027369
The **first** *botanical* expedition to the eastern shores of the Caspian Sea. 025556
Should *botanic* **gardens** save rare plants? [Plant conservation]. 025563
Investigations on flavonoid glycosides in a variety of *botanical* **groups:** luteolin 7-glucoside and diosmin in Lonicera (Caprifoliaceae). 026437
Camellias of China; an excerpt from the New Chinese Flora [issued in Chinese by the *Botanical* **Institute** of the Chinese Academy]. 025580
Rapid scan spectrometry. Application to biological phenomenon study. Case of structured environments [of **interest** to *botany].* 025565
The collection of fungi in the V. L. **Komarov** *Botanical* Institute of the USSR Academy of Sciences. VI. Agaricales, Gasteromycetales. 025559
The collection of fungi in the V. L. **Komarov** *Botanical* Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, Aphyllophorales, Tulasnellales, Dacrymycetales, Auriculariales, Tremellales. 025745
The American dermestid beetle [Reesa vespulae], a pest [of zoological and *botanical]* **museums.** 028651
E. P. Korovin and the influence of his concepts upon the development of *botanical* **science** in Turkmenistan. 025555
Biology without systematics or renaissance of systematics and **taxonomy?** *[Botany].* 025615

BOTRYOSPHAERIA
New microfungi on coastal Douglas fir [Pseudotsuga menziesii, Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, *Botryosphaeria* **pseudotsugae,** Phomopsis porteri]. 025663

BOTRYTIS
Advice for production of wine from grapes affected by gray mold *[Botrytis* **cinerea].** 022961
Humidity conditions and the development of fungus diseases in glasshouses [Pseudoperenospora cubensis, Bremia lactuceae, *Botrytis* **cinerea].** 027879
Variation in susceptibility of stored cabbage tissues to infection by *Botrytis* **cinerea.** 027925
Tolerance of *Botrytis* **cinerea** and rose powdery mildew [Sphaerotheca ?pannosa]. 027934
The effect of membrane-active substances and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, *Botrytis* **cinerea].** 028026
Hours and misfortunes of systemic fungicides in the control of gray rot *[Botrytis* **cinerea]** of grapes. 028092
Growth of broadbeans infected by *Botrytis* **fabae** [Chocolate spot]. 027992
The **genus** *Botrytis* associated with the rot of onion bulbs. 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from onion leaves. 027889
Control of gray **mold** *(Botrytis* cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). 028087
Leaf scorch [Stagonospora curtisii] and neck rot *[Botrytis* **narcissicola]** in Narcissus. 027881
Effect of nitrogen and phosphorus fertilization on seed yield of late cauliflower—(Brassica **oleracea** var. *botrytis).* 030472

BOTTLING
Organization of container transport [of *bottled* **beer].** 021491
Rolling round *bottle* **culture** of HmLu-1 cells and the production of bovine ephemeral fever virus. 024657

BOTTOMLAND
Successional stages in a **hardwood** *bottomland* forest near Dallas, Texas [Vegetation dynamics]. 025924
Force versus width of cut for moldboard **[plow]** *bottoms.* 029979
The 1975 Iowa Corn Yield Test report. District 4 *Bottomland* **[Varieties].** 027467

BOTULISM
Clostridium botulinum in the lakes and waterways of London *[Botulism* in **waterfowl].** 024604

BOUGAINVILLEA
A branched trisaccharide in the betacyanins of *Bougainvillea* **glabra.** 026707

BOUTELOUA
Bringing back blue grama *[Bouteloua* **gracilis,** growth as forage crop]. 026885
Primary shoot production of blue grama *[Bouteloua* **gracilis]grassland** in south-central New Mexico under two soil nitrogen levels. 027525

BOVINE
Bovine **abortion** and low fertility caused by Campylobacter fetus subsp. fetus (Vibrio fetus var. Venerealis), a first case in Japan. 024486
Phage types of Staphylococcus aureus isolated from bovine milk from *[cows]* **affected** with mastitis in Japan. 024489
Effect of five daily intravenous treatments with oxytetracycline hydrochloride on the carrier status of *bovine* **anaplasmosis** [Anaplasma marginale, cattle]. 024584
Studies on preventive immunization against *bovine* **babesiosis.** 024693
Analysis of costs for *cow* **barn** modernization. 021358
Design of a *cow* **barn** for 510 dairy cows. 029892
The effect of winter feed levels of reproductive performance of **beef** *cows* and heifers. 023908
Control of estrus in lactating **beef** *cows* with prostaglandin F-2alpha and estradiol benzoate. 024089
Effect of flumethasone induced calving on the postpartum interval of **beef** *cows* [Fertility]. 024195
Yield and composition of midland bermudagrass [Cynodon dactylon] selected by **beef** *cows* and calves. 027424
The refined crystal structure of *bovine* **beta-trypsin** at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. 023534
The refined crystal structure of *bovine* **beta-trypsin** at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
Effect of clitoral stimulation on AI **bred** *cows.* 024193
Short-term feeding of methionine hydroxy analog to beef **brood** *cows:* Does it increase calf weaning weights? 023907
Continuous lock stitches for everted enteroanastomosis in *bovine* **(Bubalus** bubalis) [buffaloes]. 024315
Performance of *cows* and their **calves** reared as singles or twins. 023149
Ethological and ecological system of livestock husbandry [Horses, *cows,* **care].** 023098
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral blood plasma of the *cow* **[Cattle].** 024138
Formaline fixed arterial encasement for experimental tenorrhaphy in *bovines* **[Cattle,** tendon injuries]. 024963
Mycotoxicosis in *cows* **caused** by toxins of Aspergillus flavus Lk. [Wheat, feed, contamination]. 025005
Study of the effectiveness of the closed method of surgery in cases of damage to the mammary **cisterna** *[Cows].* 024388
The significance of *bovine* **coccidiosis** as a disease in the United States. 024471
Interaction of trypsin with trypsin inhibitor from *cow* **colostrum** [Cattle, biochemistry]. 023309
Etiology and treatment of placental retention in the *cow*—a **comparison** of three methods. 024862
Contribution to a suitable, labor-saving method of **confining** *cows* in stanchions [Equipment]. 030015
Controlling *bovine* trypanosomiasis. The disease spread by tsetse [Glossina]. 024785
Cationic dependency of high affinity prostaglandin F2alpha receptors in *bovine* **corpus** luteum cell membranes. 024037
Synchronization of oestrus in heifers and **cyclic** *cows* with progestagens and prostaglandins analogues alone or in combination. 024000
The effect of oestrogens alone or in association with progestagens on the formation and regression of the corpus luteum of the **cyclic** *cow.* 024003
Milk marketing and the **dairy** *cow* of tomorrow. 021612
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the **dairy** *cows* and nitrate poisoning [Cattle]. 023057
Dairy: Group handling of **dairy** *cows.* 023095
Preliminary observations on the influence of different feed protein levels on the blood profile of **dairy** *cows.* 023687
Effect of forage-to-concentrate ratio in complete feeds and feed intake on digestion of starch by **dairy** *cows.* 023766
No associative effects between corn and haycrop silages fed to lactating **dairy** *cows.* 023770
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites **[Dairy** *cows].* 023774
Feeding corn silage plus manure from caged layers or **dairy** *cows* as total mixed rations for dairy heifers. 023819
Can and should the dairy producers in western France take recourse to crossing [of **dairy** *cows* with beef type bulls]. 024067
Calf response to the initiation of parturition in **dairy** *cows* with dexamethasone or dexamethasone with estradiol benzoate. 024088
Canada's conformation system. II. **[Dairy** *cow* breeding]. 024164
Effect of estrogen applied in puerperium on its course and some indices of fertility in **dairy** *cows.* 024244
Chronic fibrous teat end lesions of lactating **dairy** *cows.* 024823
Hormonal responses of **dairy** *cows* with ovarian cysts to GnRH [gonadotropin-releasing hormone]. 024858
Hypomagnesiemia in **dairy** *cows* as a possible cause of calf hypotrophy. 024921
Design of a cow barn for 510 **dairy** *cows.* 029892
Conversion of purpose built unit for **dairy** *cows* [Buildings]. 029902
Maternity barn for **dairy** *cows.* 029962
Bromosulphthalein clearance and total bilirubin level in *cows* **deprived** of food and water. 024933
Clinical response of **diary** *cows* with ovarian cysts to GnRH [gonadotropin-releasing hormone]. 024857
Immunization against mucosal **disease**—*bovine* viral diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409
Investigation on the immunogenity of concentrated ethanol saponin vaccine against mucosal **disease**—*bovine* viral diarrhea. 024411
Normal fertility induced in *cow* by **double** short treatment with chlormadinone acetate (CAP). 023992
Decomposition of organic materials and soil fauna in pasture. 2. Disappearance of *cow* **dung.** 030271
Ovarian **dysgerminoma** in a *cow.* 024817
Prevention of puerperal neuroses in the *cow:* **effect** of administration of phosphorus preparations. 024901
The action of 2(alpha-hydroxybenzyl)-benzimidazole on 26 strains of *bovine* **enteroviruses** isolated in Algeria. 024406
Attenuated vaccines against *bovine* **ephemeral** fever. 024430
Mid-piece abnormalities in bovine semen following experimental and natural cases of *bovine* **ephemeral** fever [a viral disease of cattle]. 024476
Rolling round bottle culture of HmLu-1 cells and the production of *bovine* **ephemeral** fever virus. 024657
Gene dosage and antigenic expression on the cell surface of *bovine* **erythrocytes.** 024403
Influence of environmental heat on peripheral plasma progesterone and cortisol during the *bovine* **estrous** cycle. 024100
Studies on hemorrhagic diathesis of **experimental** *bovine* bracken [Pteridium] poisoning. I. Detection of circulating anticoagulants. 024979
Studies on hemorrhagic diathesis of **experimental** *bovine* bracken [Pteridium] poisoning. II. Heparin-like substance level in blood. 024980
The trans-stadial transmission of the *bovine* **farcy** organism, Nocardia farcinica, by the ixodid Amblyomma variegatum (Fabricius, 1794). 024743
A study of the nitrogen balance of *cows* **fed** with urea. 023951
Influence of phytoestrogens on milk productivity of *cows* **[Feed** supplements]. 023957
Hydroxyurea synchronization of *bovine* **fetal** spleen cells. 023400
Response of the *bovine* **fetus** to reovirus. 024780
Antigenic structure of the cyanogen bromide peptide F-CB3 from *[bovine]* **fibrinogen** alpha-chain. 023391

Milk productivity of *cows* **gives** a feed supplement of thyroprotein and glucavamorin P10x. 023959
Concentrations of trimethoprim and sulphadoxine in tissues from **goats** and a *cow*. 024293
Renal responses of the hypophysectomized rat to infusions of *bovine* **growth** hormone. 023520
Specific release of bovine neurophysin II during arterial or venous **haemorrhage** in the *cow*. 023521
Research on the pregnancy of *cows* in the **Harasi** Breeding Farm. 024112
Arrangement of the subunits in solubilized and membrane-bound cytochrome c oxidase from *bovine* **heart**. 023477
Culling the *cow* **herd** [Management]. 021329
Model calculatons on genetic differences between herds due to using different groups of bulls and different selection rates for *cows* within **herds**. 024286
Effect of protein concentration in the diet on blood composition and productivity of lactating **Holstein** *cows* under thermal stress. 023750
The effect of different planes of nutrition during growth on the productivity of **Holstein** *cows*. 3. Growth to the first calving of two groups at the same body weight. 023877
The effect of different planes of nutrition during growth on the productivity of **Holstein** *cows*. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878
Further evaluation of conventional and **hot-boned** *bovine* longissimus dorsi muscle excised at various conditioning periods [Beef carcasses, tenderness]. 022681
USDA-DHIA [Dairy Herd Improvement Association] *cow* **index** list, spring 1975 [Performance]. 024031
Observations on *bovine* **infectious** keratoconjunctivitis in the Ivory Coast. I. Microbiological aspects. 024640
Report on **infectious** *bovine* rhinotracheitis in Ethiopia. Preliminary serological survey. 024642
Antibody survey of **infectious** *bovine* rhinotracheitis (IBR) virus in Korean native cattle. 024685
Stability of **infectious** *bovine* rhinotracheitis virus and it's immunity in Korean native calves. 024690
Isolation of IBR [**infectious** *bovine* rhinotracheitis] virus from a heifer with meningoencephalitis. 024706
Determination of result of artificial **insemination** of *cows*. 024261
Synchronization of Oestrus in *cows* using **intravaginal** silastic coils containing progesterone. 023999
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by **jersey** *cows* grazing Setaria anceps cv. Kazungula swards. 023698
Winter feeding of **lactating** *cows* [Dairy cattle]. 023729
Use of soybeans in the feed rations of **lactating** *cows*. 023943
Sodium cloxacillin for treatment of mastitis in **lactating** *cows*. 024597
Relationships between clinical zinc deficiency symptoms and zinc status in **lactating** *cows*. 024935
Bovine **leptospirosis**. 024747
Studies on the cultivation of an agent of bovine leucosis in *bovine* **leucocyte** cultures. 3. Leucosis transmission to calves with cell-free culture medium. 024806
Feed consumption and feeding performance as exemplified by the herd of *cows* of the **Liquid** Fertilizer Experimental Station [Austria]. 023702
Dihydrofolate reductase from *bovine* **liver**. Enzymatic and structural properties. 023393
Hormonal changes around *bovine* **luteolysis** [Dairy cattle]. 024199
Effect of anti-herpesvirus drugs on human and *bovine* **lymphoid** function in vitro. 024573
A urinary pentasaccharide in *bovine* **mannosidosis** [Deficiency of alpha-mannosidase]. 024836
Some potential uses of prostaglandins in domestic animals [for controlling estrus in *cows*, **mares** and ewes]. 024043
Problem of infectious **mastitis** [in *cows*]. 024510
Amputation of *bovine* **medial** dew claws on hindlegs as an aid in controlling teat trauma. 024389
A survey of brucellosis in **Messeriya** *cows* of Sudan. 024737
Phage typing of Staphylococcus aureus strains isolated in Sweden from *bovine* **milk**. 021831
Properties of staphylococci isolated from *cow's* **milk** in respect fo the evaluation of milk [Contamination]. 021946
Nutrition of orphan marsupials [reared on *cow's* **milk**]. 022054
Observations on the characteristics of *cow's* **milk** in relation to the urea in feed. 023929
Phage types of Staphylococcus aureus isolated from *bovine* **milk** from [cows] affected with mastitis in Japan. 024489
Antigenic determinants of *bovine* **myelin** encephalitogenic protein recognized by rabbit antibody to myelin encephalitogenic protein. 024588
In vitro culture of the proximal tubule of the *bovine* **nephron**. Transmission and scanning electron microscopy. 023359
Specific release of *bovine* **neurophysin** II during arterial or venous haemorrhage in the cow. 023521
A **new** *bovine* disease "hyena disease" [of unknown etiology, osteodystrophy]. 024884
The fine structure of mast cells in the **normal** *bovine* mammary gland. 023233
The control of reproduction in the **nursing** *cow* with a progestagen short-term treatment. 024002
The blood vascular system of the *bovine* **omasum**. 023232
Bovine **pancreolithiasis** in Denmark. 024812
Radioimmunoassay of *bovine* **parathyroid** hormone. 024878
Ultrastructural studies of *bovine* **paratuberculosis** (Johne'sdisease) [Mycobacterium paratuberculosis]. 024784
Synergistic action of tylosin and oxytetracycline against *bovine* **Pasteurella** isolates [Cattle]. 024783
The wheat plant for *cows* [**Pastures**, beef cattle]. 023910
Bovine **pediatrics**. 024299
Mineral feed conversion and supply for high **performance** *cows*. 023798
Program for feeding high **performing** *cows*. 023799
Proteins of the periodontium: Identification of collagens with the [alpha1(I)]2alpha 2 and [alpha(III)]3 structures in *bovine* **periodontal** ligament. 023484
Clinical response and apparent breed resistance in *bovine* **petechial** fever. 024738
Radioimmunoassay for *bovine* **plasma** 4-androstenedione and result obtained at the time of pregnancy, parturition, and postpartum. 023566
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in *cows* **prior** to and during oestrus. 024134
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to **produce** *bovine* bracken poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Experiment in increasing milk **productivity** of *cows*. 023170
Intrabreed types and **productivity** of *cows*. 024268
Residues in milk, blood serum and urine after intrauterine administration of antibiotic trade preparations to **puerperal** *cows*. 024995
Metabolism of arginine and ornithine in the *cow* and **rabbit** mammary tissue. 023509
Genetic variants of milk proteins in *cows* of **Rendena** breed. 024216
Serum LH [luteinizing hormone] concentrations and ovarian activity in *cows* with **repetitive** administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle stimulating hormone-releasing hormone]. 024095
Mechanism and specificity of rhodopsin phosphorylation *[Bovine* **retinal** photoreceptors]. 023300
Occurrence of Saccharomyces cerevisiae in the **rumen** of *cow*. 023443
Bovine **salmonellosis**: Incidence, economic implications, epizootiology. 024648
Microbiologic contamination of *bovine* **semen** [Candida tropicalis, fungi]. 024226
Mid-piece abnormalities in *bovine* **semen** following experimental and natural cases of bovine ephemeral fever [a viral disease of cattle]. 024476
Anti-bacterial and anti-sperm effect of *[bovine]* **seminal** plasma. 024175
Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]choleragen and *[14C]bovine* **serum** albumin in the rat jejunum. 024571
Enzymic hydrolysis of acetylcarnitine in liver from rats, **sheep** and *cows*. 023278
The segmental projection of the cervix uteri of the *cow* on the **skin**. 023674
Pregnancy in **slaughtered** *cows* in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and carcase weight. 024034
Changes of the plasma steroid hormones in pre- and postpartum **stage** in *cows*. 024136
Fertility on early rebreeding in postpartum **stage** in *cows*. 024140
Involution of uterine activity in postpartum **stage** in *cows*. 024141
Resumption of ovarian activity in postpartum **stage** in *cows*. 024143
Method fo determining losses due to **sterility** of *cows*. 024923
The surface fine structure of the *bovine* **subcommissural** organ. 023366
Teaching sheep and **suckler** *cow* management at Greenmount. 023089
Effect of depolarizing agents on the adenosine-3'5'-monophosphate content of the *bovine* **superior** cervical ganglion. 023593
Prostaglandins and **superovulation** in the *bovine*. 023996
The behavior of holo- and apo-forms of *bovine* **superoxide** dismutase at low pH [hydrogen-ion concentration]. 023656
To measure dynamic responses of a *cow's* **teat**. 023199
Pathology of the *bovine* **testis** and epididymis. 024911
Surgical treatment of pericarditis traumatica in a *cow* by **thoraco-pericardiotomy**. 024323
Subcellular structure of *bovine* **thyroid** gland. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. 023290
Refolding of reduced, denatured *[bovine]* **trypsinogen** and trypsin immobilized on agarose beads. 023486
Studies on the improvement of *bovine* **tuberculin**. 1. Sensitivity and specificity of PPD's prepared from low-heated culture filtrate and cytoplasm of Mycobacterium bovis. 024696
Modernization of **two-row** *cow* barns. 029895
A simple approach to replacing a prolapsed uterus or **vagina** *[Cows]*. 024904
Effects of ethanol and its interaction with vasoactive agents in *bovine* **vascular** smooth muscle. 023259
Feeding grass straws to **wintering** *cows*. 023863
Feeding of high **yield** *cows*. 023743
Serum calcium and magnesium levels during pregnancy and at calving in heifers and **young** *cows*, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253

BOWELS

Serum cholesterol and *bowel* **flora** in the newborn [Escherichia coli, Lactobacilli]. 022008
A method for the continuous study of net water transport in the feline **small** *bowel* [Cats]. 023179

BOXES

A combined swarm and **all-purpose** *box* [Apicultural equipment]. 029763
New type of *box* for **breaking** cacao with a device for collecting syrup. 022416
Studies on the prevention of checks during drying. 2. Drying schedule for the *boxed* **heart** of Larix wood. 025417
Test results for rearing young cattle in **open** *box* stalls. 023134
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a *box* **stall** and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010

BOYS

Hydro-Silo-Boy **silo** withdrawal device. 030029

BRACHYCAUDUS

Key to the European species of Brachycaudus, subgenus Acaudus (Homoptera, Aphidoidea), with redescriptions and a note on *Brachycaudus* **persicae**. 029702

BRACHYMERIA

Gypsy moth [Porthetria dispar] kairomones influencing behavior of the **parasitoids** *Brachymeria* intermedia and Apanteles melanoscelus. 028932

BRACHYPODIUM

Studies of the [invertebrate] zoocenosis of a "natural" environment: the *Brachypodium* **phoenicoides** land in lower Provence [Insects included]. 029255

BRACKEN

Studies on hemorrhagic diathesis of experimental **bovine** *bracken* [Pteridium] poisoning. I. Detection of circulating anticoagulants. 024979
Studies on hemorrhagic diathesis of experimental **bovine** *bracken* [Pteridium] poisoning. II. Heparin-like substance level in blood. 024980
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce **bovine** *bracken* poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by **feeding** *bracken* fern (Pteridium aquilinum). 025003
Bracken **fern** [Pteridium] poisoning [Cattle]. 024988
Studies on toxic factor in *bracken* **fern** [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Experimental studies on *bracken* **poisoning** of cattle: clinical findings and blood figures. 025002
Effect of additives on *bracken* [**Pteridium** aquilinum] control by asulam and glyphosate. 028552
Eradication of *bracken* [**Pteridium** aquilinum] on railway reserves. 028555
Review of and observations on current methods of *bracken* [**Pteridium** aquilinum] control in forestry. 028567

BRACON

Influence of temperature on adult biology and population growth of *Bracon* **kirkpatricki** [parasite of the pink bollworm, GPectinophora gossypiella]. 028709

BRACONIDAE

Spectrum of regulatory activities of parasitic insects [Chalcididae, Ichneumonidae, *Braconidae]* of **Gypsonoma** aceriana Dup. [Poplar pests, natural control]. 028958

BRAHMAN *see* CATTLE

BRAIN

Synthesis of *brain-specific* **acidic** proteins in rat and mouse cerebral slices. 023190
Junctions in the central nervous system of the cat. IV. Interendothelial junctions of cerebral blood vessels from selected **areas** of the *brain*. 023361
The reconstitution of microtubles from purified **calf** *brain* tubulin. 023306
Interaction of vinblastine with **calf** *brain* microtubule protein. 023482
Characterisation of the adrenoceptor mediating changes in cyclid adenosine 3'-5' monophosphate in **chick** *cerebral* hemispheres. 023592
Estrogen target sites in the *brain* of the **chick** embryo. 023653
Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in adult rat brain. Evidence for at least two small glutamate **compartments** in *brain*. 023289
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the *cerebral* **cortex** of unanesthetized and anesthetized rats. 023184
Elongation of fatty acids by mocrosomal fractions from the *brain* of the **developing** rat. 023276

Suppression of *cerebellar* **evoked** potentials by a peripheral action of diphenylhydantoin [Cats]. 023264
A simple procedure for partial purification of silkworm [Bombyx mori] *brain* **hormone.** 029716
Cerebellar **hypoplasia** of genetic origin in calves. 024816
Cerebral **infarction** caused by Dirofilaria immitis in three dogs. 024626
Synthesis of brain-specific acidic proteins in rat and **mouse** *cerebral* slices. 023190
Suckling-mouse-brain **rabies** vaccine (SMBV): duration of immunity in dogs. 024781
Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in adult **rat** *brain.* Evidence for at least two small glutamate compartments in brain. 023289
The effect of convulsions induced by flurothyl on ribonucleic acid synthesis in **rat** *cerebral* cortex during the recovery phase. 023291
Short-chain fatty acid synthases in *brain.* **Subcellular** localization and changes during development [Rats]. 023286
Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in *cerebral* and **systemic** blood fractions [Rabbits]. 023608
Leucodystrophic lesions in the *brain* of **young** cats. 024903

BRAN

Effects of temperature on the *bran* **layers** of rice kernels. 022744
Effect of **rice** *bran* on pig performance and carcass. 023859
Rice *bran* composition and digestibility by the pig. 023865

BRANCHES

On the use of *inter-branch* **balance** in state planning of agriculture in the German Democratic Republic. 021770
Berries, *branches* and **bulbs** [Flower arrangement]. 027767
Effects of veratrine on repolarization in the canine right **bundle** *branch.* 023209
Unreliable advertisements relating to the **cattle** *branch.* 021575
Branched-chain **constituents** of Brussels sprout wax. 027240
The **Delta** *Branch* station [of the University of Arkansas, Agricultural Experiment Station, culture of field crops]. 027372
Purification and properties of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in *amylose-branching* **enzyme.** 027171
Unidirectional growth and *branch* **formation** in a thermoconditional mutant of Agrobacterium tumefaciens. 028139
Types of **fruit-bearing** *branches* and fruit stalks [in fine-fiber cotton]. 026036
Branch **grading** indexes after size in pedunculate oak, sesile oak and beech stands [Quercus, Fagus]. 025161
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of **individual** *branched* and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Special *branches* in Swiss intensified [horticultural] production today and tomorrow. 027838
Experiments with scientific control of plant feeding on a **Tachov** *branch* farm [Mineral fertilizers, field crop yields]. 030547
[Quality] certification of products in the *branch* [of **tobacco** industry]. 021973
Effects of bending and ringing of *branches* [**training** method] on flowering and fruiting of ponkan (Citrus reticulata Blanco) trees. 027143
A *branched* **trisaccharide** in the betacyanins of Bougainvillea glabra. 026707
Analysis of litterfall in a deciduous forest on **Walker** *Branch* Watershed, Tennessee: data stratification by two alternative methods. 030179
Stimulation of *branching* in **young** tea plants. 026318

BRANDING

Non-brand or **[dairy]** industry advertising. 021613

BRASSAVOLA

The **underestimated** *Brassavola* nodosa [Varieties, breeding]. 027707

BRASSICA

Prevalence of oosporesof Albugo cruciferarum in *Brassica* **[bird** rape] seed samples from western Canada, 1967-73. 027932
Chemical examination of seleniferous **cabbage** *Brassica* oleracea capitata. 027187
Productivity of vegetable crops in a region of high solar input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and **cabbages** *(Brassica* oleracea L.). 027124
Effect of nitrogen and phosphorus fertilization on seed yield of late **cauliflower**—*(Brassica* oleracea var. botrytis). 030472
A comparison of chemicals for the control of Nysius [huttoni] on *brassicas* **[fodder** crops]. 028772
Effect of saline-sodic soil on some quantitative characters of different genotypes in Indian **mustard** *Brassica* juncea L Czern & Coss. 026180
Variation in [cultivated varieties of] *Brassica* **oleracea** resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. 028874
Germination, seedling growth and sugar metabolism of two species of *Brassica* under **polyethylene** glycol (PEG) induced water stress. 026906
Evolving breeding system in **rai** *(Brassica* juncea). 026132
Yield and morphological response of **rape** *(Brassica* campestris L. cv. Span) to irrigation and fertilizer treatments. 027385

BRASSICACEAE

Mississippi flora. III. Distribution and **identification** of the *Brassicaceae.* 025672
Two new species of **Parolinia** *(Brassicaceae)* from Gran Canaria. 025687

BREAD

Put the brake on *bread* **losses.** 022268
The Green Revolution: for *bread* and **peace.** 021756
Dough conditioners for 12% **soy-fortified** *bread* mixes. 022782
New prices for *bread* and **tortillas.** 021599
The nutritional **value** of *bread.* 022064

BREAKAGE

New type of box for *breaking* **cacao** with a device for collecting syrup. 022416
Dormancy *breaking* in the light-sensitive seeds in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Role of cotyledons in germination and **dormancy** *breaking* of apple embryonic axis, after treatment with abscisic acid. 027232
Comparative study of rations containing **glutinous** *broken* rice and non-glutinous broken rice in swine growing-finishing rations. 023835
Some notes on using low level of good grade-fishmeal with non-glutinous broken rice and **glutinous** *broken* rice in swine growing-finishing rations. 023843
The **imaginal** *diapause-break* in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277
Enzyme to *break* down **lettuce** endosperm cell wall during gibberellin- and light-induced germination. 027217
Comparative study of rations containing glutinous broken rice and **non-glutinous** *broken* rice in swine growing-finishing rations. 023835
Some notes on using low level of good grade-fishmeal with **non-glutinous** *broken* rice and glutinous broken rice in swine growing-finishing rations. 023843
Break off from the **old** traditional [agriculture] and become modern farmer. 021088
Ventilation, feed waste, *breakage* **[Raising** poultry]. 023114

BREAKDOWN

Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the *breakdown* of **cellulose:** functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550
Proceedings of the Federation of British Plant Pathologists, January 1974: *Breakdown* of **control** against pathogens of plants and animals [Abstracts of papers]. 028328
Relationship between chemical composition and *breakdown* in **cooked** potato tissue. 022951
Studies in leaf **litter** *breakdown.* III. The influence of leaf age [Quercus robur, Fagus]. 030276
Breakdown of the **prothoracic** glands of insects. 029520
Starch *breakdown* and ripening of apple and pear fruits. 027234
Effect of geraniol on levels of volatile terpenoid compounds produced by apples during cool storage [Low **temperature** *breakdown].* 022944
The influence of agrochemical compounds and water supply on the *breakdown* of **[wheat]** straw in soil. 030390

BREAKFAST

Breakfast: **hallmark** of good nutrition. 022347
Basic labor productivity measures for **popular** *breakfast* menu items [Food service industry]. 022157

BREAST

Levels of histidine derivatives in *breast* **muscle** of proteindepleted and repleted adult cockerels [During malnutrition]. 023602
Mercury residues in *breast* **muscle** of wild ducks, 1970-71. 030944
Eating quality and thiamin retention of **turkey** *breast* muscle roasted and "slow-cooked" from frozen and thawed states. 022101

BREEDING

The methodology of **accelerated** *breeding* of cereals. 026271
Effect of clitoral stimulation on **AI** *bred* cows. 024193
Research on grain quality at the **All-Union** *Breeding* and Genetics Institute of the Lenin Academy of Agricultural Sciences [USSR]. 027557
Thyroid activity as a selection criteria in **animal** *breeding* [Dairy cattle]. 023659
A comparative study of [sheep] body form, live and fleece weights of the Kivircik and different Texel crossbreds at Inanli **Animal** *Breeding* Research Station. 024110
The Hermann Von Nathusius medal awarded to Prof. Dr. Edwin Lauprecht **[Animal** *breeding].* 024291
Studies on the haploid method of *breeding* by **anther** culture in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
The application of **artificial** *breeding* as a reproductive technique of cattle. 024187
Artificial *breeding* [of cattle]. 024200
Genetic trends among **artificially** *bred* Holsteins in Quebec. 024099
Profitability of apiculture **based** on *breeding.* 029759
Ecological relationships and *breeding* **biology** of the nutria (Myocastor coypus) in the Tampa, Florida, area. 024113
Breeding of **broad** leaf type varieties (F 207, F 208) in flue-cured tobacco. 026100
Breeding for **broiler** production [Chickens]. 024075
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected **broiler** *breeders.* 024439
Myopathy of the deep pectoral muscle in **broiler** *breeder* hens. 024820
Live weight growth and reproducibility of *breeding* **bulls** reared with free feed consumption. 023930
Breeding of the **Carniolan** bee [Apis mellifera carnica] from the European point of view. 029766
Do Africander **cattle** *breeders* attach too much importance intheir selections to characters which are not associated with production? 023971
The use of prostaglandins in **cattle** *[breeding].* 024010
The Beef Substation [of the University of Arkansas, Agricultural Experiment Station, **cattle** *breeding].* 024030
Protein content of milk, an important characteristic in **[cattle]** *breeding.* 024269
Use of Ayrshire **cattle** for *cross-breeding.* 024271
Possible designs of modern farms for **cattle** *breeding* [Buildings]. 029898
An update on blue **Cattleya** *breeding.* 026080
Husbandry and observation methods of a *breeding* **colony** of marmosets (Callithrix jacchus) for behavioural research [Laboratory animals. 023131
Method of *breeding* for **combined** immunity of grapes to fungus diseases and Phylloxera. 026309
Pea enation mosaic virus resistance among **commercial** *breeding* lines of Pisum sativum. 028266
Acceleration of winter wheat vernalization when grown under controlled **conditions** [for *breeding].* 026251
Early maturing and resistance to [Verticillium] wilt of **cotton** *[Breeding].* 026212
Canada's conformation system. II. [Dairy **cow** *breeding].* 024164
Testing method for the *breeding* **disease** resistant varieties of ornamental plants. 026077
Cherry [Captain Collingwood] Ingram [Plant collecting and *breeding,* **England].** 025558
Crossbreeding, *interbreeding* and **establishing** a new breed of sheep. 024179
Rearing and *breeding* of **European** grasshoppers (Orthoptera: Saltatoria) in the laboratory. 029511
Breeding **evaluation** of bulls with special regard to systematic genetic influence. 024277
Breeding and **evaluation** of the results of a test apiary and the prospects for success [Apis mellifera]. 029848
Evolving *breeding* system in rai (Brassica juncea). 026132
Early development and *breeding* of **ewe** lambs. 023143
Liveweight fertility relationships in Merino and *half-bred* **ewes** in a high country environment [Sheep]. 024182
Cross-breeding to **facilitate** the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, pest of pine trees, biological control]. 028951
Improvement of Black Pied cattle at the *breeding* **farm** Krasnaia Zvezda. 024266
[Results of work of] scientists of the Scientific-Research Institute of Vegetable **Farming** [in *breeding].* 026280
Arkansas Dairy [cattle] Study Day, October 28, 1975. *Breeding,* **Feeding,** Management. 023161
Reserves for increasing beef production [Cattle **feeding,** *breeding].* 023173
Possibilities of a more intensive exploitation of infantile **gilts** *[Breeding].* 024242
Breeding of **grape** varieties resistant to Phylloxera by means of intervarietal hybridization. 026308
Certain characteristics of wheat stem **growth** *[Breeding].* 026218
Research on the pregnancy of cows in the **Harasi** *Breeding* Farm. 024112
Selecting & *breeding* **hardy** passion flowers. 026079
Breeding of **Hereford** herd on the Sonskii state farm. 024258
Selection of hemp varieties in *breeding* for **heterosis.** 026146
Organization of the Baden-Wurttemberg [swine] **hybrid** *breeding* program in cooperation with production and marketing arrangements. 024238
Organization of the [West German] Federal [swine] **hybrid** *breeding* program as a cooperative program of breeding organization and producer groups. 024239
Breeding **implications** from a diallel analysis in two environments of yield and component characters in Upland cotton (Gossypium hirsutum). 026301
Use of *breeding* **indices** to evaluate swine. 024272
The yield and quality of grain of barley varieties under different mineral fertilization levels [in *breeding* **intensive** types]. 026278

Report on *breeding* **irradiated** begonia varieties resistant to ozone injury. 026076
Embryo culture as an aid to *breeding* **Lilium.** 026073
Few aspects of pure **line** *breeding* [Poultry]. 024162
The response of various *breeding* **lines** of lettuce to beet western yellows virus. 026083
Some aspects of the **lucerne** *breeding* work in the GDR [German Democratic Republic] against Verticillium albo-atrum. 026176
Harvesting of [cereal] *breeding* **material** with a reconstructed lawn mower. 026254
Initial *[breeding]* **material** of wheat resistant to virus diseases. 026258
M3-1 thresher of *breeding* **material** [of cereals and grain legumes]. 026260
The evaluation of the initial *[breeding]* **material** of winter wheat for resistance to loose smut [Ustilago tritici]. 026268
The role of spatial structure of a light field in the formation of spring wheat crop [for the reproduction of *breeding* **material**]. 026277
A new form of orange [in the *breeding* **material**]. 026291
A new orientation in selection [Apis **mellifera,** *breeding].* 029862.
The use of laminar flow for obtaining germ-free **mice** *[Breeding].* 024146
Studies on the haploid method of breeding by anther culture in tobacco. V. *Breeding* of **mild** flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
Creation of **millet** *breeding* stock by chemical mutagenesis. 026139
New improved kidney bean varieties for internal comsumption and export *[Breeding* for **mosaic** resistance, Chile]. 026281
Progressive nutria **mutation** *breeding.* 024065
Breeding **Narcissus** for cut flower production [Varieties]. 026071
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with *random-bred* **NMRI** mice. 024801
The *breeding* of **nonleguminous** plants for the development in them of symbiotic fixation of atmospheric nitrogen. 026264
A rotary implement attached to MF-70 motorobot [for soil tillage in *breeding* **nurseries**]. 026249
About *breeding* **oats.** 026250
Methods and results of *breeding* **oil** crops in the Don region. 026259
Organization of the [West German] Federal [swine] hybrid breeding program as a cooperative program of *breeding* **organization** and producer groups. 024239
The method of the main components and its application in selection **[Plant** *breeding].* 026155
Studies on some features of oil sunflower and their significance in *breeding* that **plant** in Poland. 026170
A note on Griffing's models for the diallel cross **[Plant** *breeding].* 026188
Genotype-environment interactions—a challenge for **plant** *breeding.* 026189
A fertilizer distributor [for plots used in **plant** *breeding].* 026246
In the East-Siberian **plant** *breeding* center. 026255
In the Moscow **plant** *breeding* center. 026256
In the Western **plant** *breeding* center. 026257
The creator of original varieties of tomatoes [Aleksandr Vasil'evich Alpat'ev, **plant** *breeding].* 026266
Belorussian scientists—laureates of the State prize **[Potato** *breeding].* 026252
Reproduction of **potato** *breeding* stock in the German Democratic Republic. 026311
Problems in *breeding* **potatoes** in the non-Chernozem area. 026210
Poultry *breeding* for egg production. 024076
Morphological and chemical indices of eggs of hybrid and *line-bred* **poultry** with varying levels of nutrition. 024241
The biological evaluation of the [plant] **production** [in *breeding].* 026263
Profitable *breeding* plans [Dairy cattle]. 024222
Bases to carry out the *breeding* **program** [Apis mellifera]. 029784
An estimate of the variability of the yield of individual strawberry plants and its significance for a *breeding* **programme.** 026202
The growing of cereals in the Martonvasar phytotron [for *breeding* **purposes].** 026269
Quantitative and qualitative carcass characteristics of *straightbred* and **reciprocally** crossed Angus, Charolais and Hereford steers. 022669
First results of *cross-breeding* **Red** Holstein and Simmental catle. 024234
The results of **reproducing** *breeding* material [of wheat] in Turkmenia. 026276
Variability of tobacco mosaic virus in relation to control of tomato mosaic in glasshouse tomato crops by **resistance** *breeding* and cross protection. 028272
The testing of *Soviet-bred* **rice** varieties [in Guinea]. 027520
Low fertility in nursing ewes during the *non-breeding* **season.** 023989
The duration of the *breeding* **season** in Suffolk X Galway ewe lambs. 024086
A pneumatic grading table PSS-02 [for **seeds** used in *breeding].* 026247
The kind of a vessel that should be used for visual estimation of **seeds** [in *breeding].* 026270
Ratio between size of potato berries and the quantity and quality of the **seeds** *[Breeding].* 026310
The use of progestagens in **sheep** *bred* by natural and artificial insemination. 024006
Determination of groats formation ability of wheat grain for the evaluation of its quality [during early **stages** of *breeding].* 026253
Breeding of **starchy** potato varieties. 026206
The results of **studying** *breeding* material under the conditions of the North-East [of the European part of the USSR]. 026275
Establishment of new sources of resistance to the groups of races of barley pollen smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety **testing,** *breeding].* 026166
The *breeding* of **tomato** varieties for canning for the central zone [of the USSR]. 026265
Previous results and prospects of interspecific hybridization in forest **tree** *breeding* (review). 025235
The flowering biology of Norway spruce [Picea abies]—an obstacle to a rational program for **tree** *breeding?* 027340
Criteria for early selection in **tulip** *breeding.* 026072
Intrabreed **types** and productivity of cows. 024268
Relationships between the performances of ancestors and direct offspring as well as between first inspection results of young bulls and their *breeding* **values.** 4. Relationships. 024029
Use of all relatives in intraherd prediction of *breeding* **values** and producing abilities [Cattle]. 024103
Disease resistance of plant **varieties** *[Breeding].* 026313
The underestimated Brassavola nodosa **[Varieties,** *breeding].* 027707
The development of the multiple disease resistant flue cured tobacco **variety,** F 209 *[Breeding].* 026102
The use of multivariate analysis in [plant] *breeding* and **variety** testing. 026156
A prominent [wheat] *breeder* **[Vasilii** Nikolaevich Remeslo]. 026248
Breeding of **vegetables** in Bulgaria. 026207
Dependent and independent combinability of yield elements and the Central European ideotype of **wheat** *[Breeding].* 026150
Results of 60 years of *breeding* **work** [Apis mellifera]. 029788

BREEDS

Clinical response and **apparent** *breed* resistance in bovine petechial fever. 024738
Progressive retinal atrophy in two **atypical** *breeds* of dogs. 024931
Failure of Bemisia tabaci to *breed* on **cassava** plants in Brazil (Homoptera: Aleyrodidae). 028828
The Lavinia **cattle** *breed* and the environment. 023153
The Brown Alpine **cattle** *breed.* 024068
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and **Charolais** *breeds* and their crossings. II. Fattening and carcass performances in males. 024013
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other *breeds.* III. On the **chemical** composition of muscle. 024050
Veal productivity of calves of dairy and beef-dairy [cattle] *breeds* in **conditions** of industrial technology [Costs, returns, meat composition]. 021460
Feedlot performance and carcass evaluation of various *two-breed* **cross** steers fed at weaning age and as yearlings. 023906
The Canadian conformation system: herd book participation **[Dairy** *breed].* 024173
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other *breed.* II. On the **dissecting** yields. 024049
Comparative characteristics of primary **domestic** *breeds* of rabbits in the production of broilers. 024245
Effects of *breed* and **forage** vs grain feeding on beef palatability and shelflife. 022701
The mass media and a **future** *breed* of public administrators. 021320
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other *breeds.* I. On the **growth** of the broilers. 024048
Development of the Jamaica **Hope** *breed* of dairy cattle. 024249
An outbreak of Salmonella typhimurium infection in a farm of *dairy-breed* **male** calves. 024483
Studies on fructose and ascorbic acid concentration in the semen of Corriedale and **Nali** *breeds* of sheep. 024082
The **new** *breed* of grease filters. 022320
Crossbreeding, interbreeding and establishing a **new** *breed* of sheep. 024179
Comparisons between the dual-purpose **Norman** *breed,* the specialized Canadian Holstein and Charolais breeds and their crossings. II. Fattening and carcass performances in males. 024013
Herbage intake and grazing behaviour in ewes of four *breeds* at different **physiological** states. 023696
Normal hematological parameters in cattle of the Central Belgian Blue, West Flemish Red and East Flemish Red **Pied** *breeds.* 023239
Genetic variants of milk proteins in cows of **Rendena** *breed.* 024216
French and European **sheep** *breeds.* Their role in the difficult regions of the world. 024147
Behaviour of hill country **sheep** *breeds* during farming routines. 024177
Some aspects of reproduction in the reddish brown goats of Maradi. Comparison with other tropical or **sub-tropical** *breeds.* 024151
Ratio between precocious maturation and fat deposit in Ukrainian White Steppe **swine** *breed.* 023673

BREMIA

Humidity conditions and the development of fungus diseases in glasshouses [Pseudoperonospora cubensis, *Bremia* **lactuceae,** Botrytis cinerea]. 027879

BREWING

Duration of the caustic **bath** *[Brewing].* 022381
High **density** *brewing.* 022382
Use of "quats" in the *brewery.* **Differences** in the efficiency of quaternary ammonium compounds. 022396
The golden age of Gambrinus. A brief history of **early** *brewing* in Syracuse. 022401
Warm water **economics** in *breweries.* 022397
Treatment of *brewery* **effluent.** 021083
Brewing, fermenting and lagering technology in continental **European** *breweries.* 022542
The introduction of "read-out" equipment in the *brewing* **industry.** 022394
The introduction of "read-out" equipment in the *brewing* **industry.** 022395
The state of the *[brewing]* **industry.** 022403
Industrial hygiene in the *brewery* and its **influence** on the quality of beer. 021852
Study of returns obtained from using **liquid** *brewer's* yeast as a feed supplement to chicken rations [Costs]. 021438
Rapid determination of nitrogen by Barwald's **method** *[Brewing].* 022391
Adjunct fermentation: trials in a 10-hl **pilot** *brewery* [Beermanufacture]. 022386
Studies on the Takju [wine] *brewing* with **potatoes.** 022974
Practical ideas for cost **savings** in a *brewery.* 022548
Design, construction and start-up of pilot malting, *brewing,* and **storage** facilities. 022545
Treatment of residual **waters** from the *brewery.* 030811
The amino acid sequence of purothionin A, a lethal toxic protein for *brewer's* **yeasts** [Saccharomyces cerevisiae] from wheat [flour]. 026350

BRINE

Studies on the efficient manufacture of *brine* **cheese.** I. Criteria, processes of manufacture, cheese making milk. 022618
Continuing studies on the *brine* **flies** of the Great Salt Lake. 029479
Population biology of a *brine* **fly** [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant algal food. 029320

BRINJAL *see* EGGPLANTS

BRIQUETTES

Production of **charcoal** *briquettes* at the Siavskii wood chemistry mill. 025320

BROADBEANS

Role of membrane systems in the absorption of calcium by the roots of Vicia faba *[broadbeans]* **(calcicolous)** and Lupinus luteus [lupine] (calcufugous). 026704
Heterogeneity of heterochromatin in plants: comparison of Hy- and C-bands in Vicia **faba** *[Broadbeans].* 026233
Quantitative investigations on the nitrogen metabolism in higher plants. I. Mathematical models of nitrogen-metabolism of Vicia **faba** *[Broadbeans].* 027141
Growth of *broadbeans* **infected** by Botrytis fabae [Chocolate spot]. 027992
Inhibitors of viral infection in sap from pea, *broadbean* and **lucerne** plants. 028223
Polyadenylated RNA from Vicia faba *[broadbeans]* **meristematic** root cells. Localization and size estimation of the poly(A) segment. 027170
Cytogenetic characteristics of tissue cultures from legume plants [Lathyrus odoratus, *broadbeans,* **peas].** 026140
A comparison of the reproductive patterns of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: Aphididae) *[Broadbean* **pests].** 028715
Effect of calcium on the biosynthesis of phosphatidylcholine by microsomes prepared from Vicia faba *[broadbean]* **roots.** 027148
Shoot zone uptake of soil-applied herbicides in some legume species *[Broadbeans,* **scarlet** runner beans, vetch]. 028603
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion **vorax,** *broadbeans].* 028219
Light and electron microscopy of *broadbean* **wilt** virus intracellular inclusions. 028252
First proof of *broadbean* **wilt** virus in the People's Republic of Poland. 028292

BROADCASTING

An attempt (and failure) to correlate duff removal and slash fire heat *[Broadcast* **burning,** Pseudotsuga menziesii, Larix]. 025252

BROCCOLI

Annotated bibliography on the storage of cauliflower and *broccoli,* 1973-1974. 022962

BROILERS *see* POULTRY

BROMEGRASS

The in vitro synthesis of viral protein and its regulation *[Brome* **mosaic** virus]. 028246

Potential tetany hazard [to ruminants] of N **[nitrogen]-fertilized** *bromegrass* [Bromus inermis] as indicated by chemical composition. 026892

BROMELIACEAE
On ABromeitiella brevifolia and Abromeitiella **chlorantha** *(Bromeliaceae)* [New taxa]. 025621

BROMIDES
Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of peptides split by **cyanogen** *bromide.* 023311
Antigenic structure of the **cyanogen** *bromide* peptide F-CB3 from [bovine] fibrinogen alpha-chain. 023391
Isolation and characterization of **Cyanogen** *bromide* fragments and a glycopeptide from the Dolichos biflorus lectin. 026403
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of actinomycin D and **ethidium** *bromide.* I. Light-microscope investigations [Algae]. 026057
Ethidium *bromide* mutagenesis in yeast [Saccharomyces cerevisiae]: protection by anaerobiosis. 026221
Disinfection [of agricultural products] with **methyl** *bromide* [Residues]. 021890
Mycoflora of pecans treated with heat, low temperatures, or **methyl** *bromide* for control of the pecan weevil [Curculio caryae]. 028057
The fumigation of seeds with **methyl** *bromide.* 028329
Influence of **methyl** *bromide* fumigation on eggplant [toxicity] in relation to fertilization with ammonium sulphate. 028365
Exposure of meat to **methyl** *bromide* during refrigerated-store pest control; residues in beef and lamb and effect on quality. 028985

BROMOSULPHTHALEIN
Bromosulphthalein **clearance** and total bilirubin level in cows deprived of food and water. 024933

BROMUS
Genome relationships in *Bromus* **erectus,** Bromus pumpellianus ssp. dicksonii and Bromus pumpellianus. 026123
Harvesting dates for stubble residues of meadow grass seed plants **[Festuca,** *Bromus].* 027559
Potential tetany hazard [to ruminants] of N [nitrogen]-fertilized bromegrass *[Bromus* **inermis]** as indicated by chemical composition. 026892
Genome relationships in Bromus erectus, *Bromus* **pumpellianus** ssp. dicksonii and Bromus pumpellianus. 026123
The mycoflora of sandy desert soils covered by *Bromus* **tectorum,** Carex physodes and Haloxylon persicum in the Repetek Reservation. 025747

BRONCHIAL
Direct PCO2 [carbon dioxide partial pressure] measurements in the *dorso-bronchial* **gas** of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Raising the oxytetracycline speculum in the *bronchial* **mucous** membrane of swine by simultaneous administration of Bromhexin (Bisolvon). 024364

BRONCHITIS
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian **infectious** *bronchitis* virus in chick kidney cells. 024420
The polypeptide composition of avian **infectious** *bronchitis* virus. 024427
Experimental studies on the immunization of avian **infectious** *bronchitis* virus: immunogenicity of the CK [chicken kidney] attenuated virus. 024482
Preliminary vaccination trials with Mathura strain of **infectious** *bronchitis* virus of poultry. 024551

BROOD
Short-term feeding of methionine hydroxy analog to **beef** *brood* cows: Does it increase calf weaning weights? 023907
Detection and identification of Bacillus larvae in a commercial sample of bee-collected pollen [American **foul** *brood* disease]. 029813
Brooding **house** arrangements. 023125
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis **mellifera]** *brood.* 029258
Comparative development of foraging and *brood* **production** in honeybee [Apis mellifera] colonies established on comb and on foundation. 029806
The effect of long term storage on the nutritive value of pollen for *brood* **rearing** of honeybees. 029724
The use of uniform honeybee [Apis mellifera] colonies to evaluate supplementary test rations for the stimulation of *brood* **rearing.** 029833
Results of restricting the *brood* **space** of honeybee [Apis mellifera] colonies. 029825

BROTHS
Methods of determining sodium glutamate. I. **Soups** and *broths.* 022379

BROWN
The *Brown* **Alpine** cattle breed. 024068
The use of Sphagnum peat and *brown* **coals** for growing plantsin hydroponic containers. 027648
Crossing *Brown* Swiss cattle from USA to Braunvieh from Wurttemberg. 024281
Hoya carnosa (Linne) R. *Brown* **[Cultivation].** 027774
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and *brown* **dog** tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
Distribution of **enzymatic** *browning* of young shoot homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. 025585
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with **enzymic** *browning.* 028128
The effect of forms of nitrogenous fertilizers on agrochemical properties of *brown* **forest** soils and the yield of tea leaves. 030535
Some aspects of reproduction in the **reddish** *brown* goats of Maradi. Comparison with other tropical or sub-tropical breeds. 024151
Nonroot liquid [aerial] fertilization of wheat and the development of *brown* **rust.** 028113
Environmental factors affecting *brown-spot* **[Scirrhia** acicola] infection on longleaf pine [Pinus palustris]. 028053
Zonaroic acid from the *brown* **seaweed** Dictyopteris undulata (=zonarioides) [Algae]. 026563
Brown **snake** bite in horses in southeastern Queensland. 024972
Fungicidal control of *brown* **spot** [Alternaria passiflorae] of passion fruit in Uganda. 027878
Beef performance of *Brown* **Swiss** cattle. 023117
Fertility of imported deep frozen semen of *Brown* **Swiss** proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072
Possibilities for crossbreeding in dual purpose catle: *Brown* **Swiss** X Braunvieh in Bavaria. An interim report. 024288
Polyphenol oxidase activity and *browning* of **three** avocado varieties [resulting from mechanical injury]. 028385
Discrete and discontinuous action of *brown* **widow** spider [Latrodectus geometricus] venom on the presynaptic nerve terminals of frog muscle. 029435

BROWSING
Nutritive value of some *browse* and **forb** species [New Mexico]. 023064
The effect of white-tailed deer and showshoe **hare** *browsing* on trees and shrubs in northern Minnesota [Injuries]. 025060

BRUCELLA
Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by *Brucella* **abortus** and Yersinia enterocolitica antigens [Mice]. 024479
Vaccine strain 19: its problems in animals [cattle] and man *[Brucella* **abortus].** 024529
Farther attenuation of the virulence of *Brucella* **abortus** 19with preservation of its immunogenicity [Cattle]. 024538
Exposure to *Brucella* **abortus** in veterinary undergraduates and graduates. 024752
Immunoglobulin class specificity of non-agglutinating antibody produced in cattle **following** *Brucella* abortus 45/20 vaccination. 024431
Brucella **infections** in Illinois veterinarians [Brucellosis]. 024581

BRUCELLOSIS
Brucellosis, **abortion** cause, in sheep and goats in northern Greece. 024509
Preliminary serological survey of *brucellosis* in **animal** and man. 024550
Studies on *brucellosis.* III. **Comparison** of various serological tests [Man, animals]. 024553
Brucellosis among **horses** in India. A serological study. 024546
A survey of *brucellosis* in **Messeriya** cows of Sudan. 024737
Intracutaneous test for determining **swine** *brucellosis,* a contribution for slaughter animal study in original stocks. 024727
Brucellosis **[Vaccines,** cattle, sheep]. 024681
Brucella infections in Illinois **veterinarians** *[Brucellosis].* 024581

BRUCHIDAE
Biosystematics of the North and Central American species of Gibbobruchus (Coleoptera: **Bruchidae:** *Bruchinae).* 029707
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: *Bruchidae),* a **seed** predator of Cassia grandis L. (Caesalpiniaceae) in Central America. 025801
Biology of Dinarmus acutus, a chalcidoid parasite of the **vetch** *bruchid* [Biological control]. 028707

BRUSH
Technology of clearing farm land reclaimed from *brush* in the **Estonian** SSR. 030610
Brush **spraying** [Chemical control]. 028580

BRYONIA
A scanning electron microscopic survey of the surface of sensitive tendrils [Eccremocarpus scaber, *Bryonia* **dioica].** 026030

BRYOPHYLLUM
Foliar structure and intraplastidial starch accumulation in a **Crassulaceae** *Bryophyllum* diagremontianum Berger. 026699
Restoration of organic acid accumulation in sectioned leaves of *Bryophyllum* **tubiflorum** Harv. 026792

BRYOPHYTA
A new exsiccata from the northernmost parts of North America: Steere and Holmen, *Bryophyta* **Arctica** Exsiccata, fascicle 1, numbers 1-50 [Musci]. 025639
A moss flora of **Iraq** *[Bryophyta].* 025693

BUBALUS *see* BUFFALO

BUCKWHEAT
Large-grained *buckwheat* varieties. 027573
The effect of copper, cobalt and molibdenum microfertilizers on the yield and **quality** of *buckwheat.* 030560

BUDDING
Reproducing fruit trees by **grafting** and *budding.* 027754
Viral release and membrane acquisition by *budding* through the **nuclear** envelope of hemocytes of the gypsy moth, Porthetria dispar. 029431
Vegetative propagation of **papaya** by *budding.* 027652
Premature *budding* of garden mum [Chrysanthemum]. 027162

BUDGETS
Food plans and **family** *budgeting.* 021883
Preparing your *budget.* 022260
Stochastic-computerized-activity-budgeting for **sheep** enterprises [Farm management]. 021249

BUDS
The stem as the factor of precedences between *buds* on the **annual** shoot of Rhamnus frangula L. 026706
Flower-bud **blasting** in tulips [due to storage and greenhouse conditions]. 028302
Gibberellic acid [for producing early blooms of **Camellias]-flower** *bud* vs. vegetative bud. 027671
The influence of IBA (b-indolyl-butyric acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by *leaf-bud* **cuttings.** 026321
The effect of the condition of the *buds* on the **cuttings** of tea plants on the establishment and biology of growth. 026836
Geographic variation in Picea glehnii. I. Differences in seedling height and *bud-opening* **date** among twelve seed sources. 027326
Bud **drop** and bullnosing in Camellias. 028322
Gametogenesis and pollination processes in Ornithopus pinnatus (Mill.) Druce in reference to **flower** *bud* development. 026333
Crataegolic acid [2alpha-hydroxyoleanolic acid] and steroid glucosides from the **flower** *buds* of Syzygium aromaticum. 026731
Relationship between formation of **gametophore** *buds* in the protonema of mosses and increase in ribonuclease activity. 026336
Effect of thiourea on rest period of **grapevine** *buds* [in India]. 027696
Hot water treatment **improves** *bud-take* [pecan scionwood]. 027812
Action of Bacillus thuringiensis preparation against **larch** *bud* moth, Zeiraphera diniana (Gn.), enhanced by beta-exotoxin and DDT. 028936
Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to **prevent** *flower-bud* abscission [Varieties, forcing]. 027588
Effects of dormancy factors on the growth of **vegetative** *buds* of young apple trees [Chilling requirements]. 027118
Gibberellic acid [for producing early blooms of Camellias]-flower bud vs. **vegetative** *bud.* 027671

BUDWOOD
Apple latent viruses: transmission from herbaceous host tissue to Malus indicator plants and distribution in **apple** *budwood.* 028169

BUDWORMS
Small plot tests of insecticidal sprays for *bollworm-budworm* **[Heliothis** zea-Heliothis virescens] control on cotton. 028713
Approaches to assessing insecticide efficacy in **spruce** *budworm* [Choristoneura fumiferana] (Lepidoptera: Tortricidae) control programs. 028923
Comparison of western **spruce** *budworm* [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962
Effects of photoperiod and size on flight activity and oviposition in the eastern **spruce** *budworm* [Choristoneura fumiferana] (Lepidoptera: Tortricidae). 029281
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of **thespruce** *budworm,* Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927

Isolation, identification and synthesis of host-seeking stimulants for cardiochiles nigriceps, a parasitoid of **tobacco** *budworm* [Heliothis virescens]. 028722
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of sperm and on mating of the **tobacco** *budworm/Heliothis* virescens]. 028739
Population fluctuations of Oriental **tobacco** *budworm* (Heliothis assulta G.) in black light-traps and field control studies. 028791

BUFFALO
A note on an unusual case of echinococcosis [Echinococcus granulosus] in a *buffalo* (**Bos** bubalis). 024794
Continuous lock stitches for everted enteroanastomosis in **bovine** *(Bubalus* bubalis) [buffaloes]. 024315
A study on the different types of spermatogonia in *buffalo* (**Bubalus** bubalis). 023967
Observations on antrycide methyl sulphate toxicity in Indian **cattle** and *buffaloes.* 024962
The role of *buffalo* in the **developing** world [Milk production]. 023124
Additional note on serum alkaline phosphatase activity in bloat in Zebu [cattle] and ruminal **impaction** in *buffaloes.* 024843
Studies on the histological structures of the small intestine of **Indian** *buffaloes* (Bos bubalis). 023432
Effect of month, season and sequence of calving on milk yield in **Italian** *buffaloes.* 024250
Studies on the cultivation of *buffalo* **kidney** cells in tissue culture. 023431
A note on diagnosis and treatment of subclinical **mastitis** in *buffaloes.* 024558
Comparative macro-anatomic and subgros investigations on the eyes of the **native** *buffalo* (Bos bubalis) and the ox (Bos taurus) [Eyelids]. 023525
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in vaccinated animals *[Buffaloes,* **rabbits].** 024567
Freezing and fertilizing ability of spermatozoa **[Semen,** *buffaloes].* 024073
Isolation of foot-and-mouth disease virus from recovered animals [Cattle, goats, **sheep,** *buffaloes].* 024564
A biochemical and serological study of strains of Pasteurella multocida associated with haemorrhagic septicaemia in cattle and *buffaloes* in **Sri** Lanka. 024499
Some animal diseases found in slaughterhouses [Cattle, *buffaloes,* **swine].** 024346
A study on relationship of persistency [of the first lactation] with other first production traits in Indian **water** *buffaloes.* 023429
Utilization of rice straw by **water** *buffalo* when supplemented with molasses and urea. 023847

BUGS *see* INSECTS

BUILDING
Evaluation of the method of appraising the value of **agricultural** *buildings* for management purposes. 021332
Possible designs of modern farms for cattle **breeding** *[Buildings].* 029898
Log **cabin** *building.* an Alaskan art. 025285
Nigeria to import meat, *build* **cattle** sector. 021549
Community *building.* 029958
The Progymnospermopsida: *building* a **concept.** 025845
Conversion of purpose built unit for dairy **cows** *[Buildings].* 029902
Building **designs** and equipment for [cattle] barns. 029950
Introduction of oil hydraulics: *building* **elements.** 029946
Muck-in the *buildings* and out in the **fields** [Fertilizers]. 030429
Mechanically ventilated **livestock** *buildings.* 029866
Naturally ventilated **livestock** *buildings.* 029867
Modern *building* construction in signs of progress [Silos]. 029934
Graphical determination of water vapor condensation on **outside** *building* components. 029943
Determination of a method for measuring air **renewal** in *buildings.* 029912
Scorpionflies as kleptoparasites of *web-building* **spiders.** 029461
Storage *building* for fruits. 029965
Main agents of biological alterations of *building* **timber.** Preventive and curative treatments. 025276

BULBOPHYLLUM
The pollination of *bulbophyllum* **longiflorum** Thouars. 027110

BULBS
Effect of *bulbar* **acidification** on gastric acid responses to urecholine in Pavlov pouch dogs. 023181
On the resistance to benomyl of fungi isolated from *bulbs* and **corms** [Penicillium, Erythronium, Fusarium oxysporum]. 027882
Economic evaluation of differences in planting densities *[Bulbs,* **costs** and returns]. 021356
Ethylene disorders in *bulbous* **crops** [Tulipa] during storageand glasshouse cultivation. 028301
Second international symposium on **flower** *bulbs,* Littlehampton-Skegness, 1-6 April 1974. 027627
Berries, branches and *bulbs* [**Flower** arrangement]. 027767
Recent developments in mechanization and labour utilization in *bulb* **forcing.** 021235
A night flowering fall Narcissus. *Bulb* **formation** and flowering ecology of Narcissus viridiflorus Schousboe. 027142
Bulb **growing** in England and Wales. 027591
Bulb **growing** in Scotland. 027592
Studies on the basal fertilizer for Easter lily (Lilium longiflorum Thunb.) *bulb* **growing.** 030544
Flowering and *bulb* **growth** of Nerine bowdenii. 027076
The influence of *bulb* **harvest** dates, temperature treatments and growth substances on the ontogeny of Lilium longiflorum. 027089
Photoperiodic regulation of *bulbing* and **maturation** of Bet Alpha onions (Allium cepa L.) under decreasing daylength conditions [in Israel]. 027200
A new record of stem and *bulb* **nematode** [Ditylenchus dipsaci] in Ontario [Onions]. 028347
Effects of **olfactory** *bulb* ablation on maternal behaviour in sows [Swine]. 023248
The effect of the growing of **onion** *bulbs* and their weight on seed yield. 027856
The genus Botrytis associated with the rot of **onion** *bulbs.* 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from onion leaves. 027889
Predicting *bulb* size and maturity in Lilium longiflorum Thunb. cultivars [Varieties]. 027080
Spacing experiments on *bulbs:* **principles** and practice [Planting densities]. 027629
Bulb **research,** development and international cooperation. 027593
Bulb **scale** mite (Steneotarsonemus laticeps) on Narcissus in the United Kingdom. 028809
Growth and flowering responses of Lilium longiflorum to *bulb* and **shoot** light and temperature treatments. 027077
Application of programming models to **specialised** *bulb-growing* farms [Costs and returns, Netherlands]. 021355
A need for uniformity in terminology and data requirements for research on *bulbous* **species.** 027587
Carbohydrate changes in **tulip** *bulbs* during storage and forcing. 027071
The effect of cold treatment on protein patterns and enzymes in **tulip** *bulbs.* 027082
The effect of storage temperature on carbohydrate interconversion in **tulip** *bulbs.* 027085
The influence of the choice of planting material on **tulip** *bulb* production. 027643
Effect of time of digging on incidence of Fusarium [basal] rot in **tulip** *bulbs.* 027877
Nitrogen fertilization in **tulip** *bulb* production in Japan. 030402
Dormancy of seeds as compared with dormancy of *bulbs* in **tulips.** 027073
Effects of *bulb* **vernalization** on yield and quality characteristics of outdoor grown Golden Yellow Freesia hybrida. 027763

BULLDOZING
Real conditions of mechanical similarity appearing while *[bulldozing,* **compaction,** shearing and friction] forces act on soil. 030337

BULLS
Episodic secretion of growth hormone in steers and *bulls:* an **anaylsis** of frequency and magnitude of secretory spikes occurring in a 24 hour period. 023630
Performance of *bulls* on **Arkansas** cooperative beef bull performance test 13. 024202
Effects of ration protein level and diethylstilbestrol implants on early-weaned **beef** *bulls.* 023763
Performance of bulls on Arkansas cooperative **beef** *bull* performance test 13. 024202
Live weight growth and reproducibility of **breeding** *bulls* reared with free feed consumption. 023930
Study on the freezability of spermatozoa [semen] in three genetic groups of **crossbred** *bulls.* 024074
Dairy *bulls* are also judged on beef in the German Federal Republic. 023133
Consequences of disturbance of endogenous metabolism of urea in **fattened** *bulls.* 024920
The quality of silo maize is considered in *bull* **fattening.** 023025
It is valuable to mobilize reserves in **fattening** *bulls.* 023935
Performance of individually **fed** *bulls* and steers [Dietary fat]. 023636
Comparison of two methods of **freezing** *bull* semen. 024260
Dermoid cystectomy on nictitating membrane in a **Hariana** *bull* calf. 024316
Distribution of Corynebacterium renale among **healthy** *bulls* with special reference to inhabitation of type III in the prepuce. 024655
Comparison of carcasses and meat from steers, short scrotum bulls and **intact** *bulls.* 022667
Livability of albino and **normal** *bull* spermatozoa at 5 degrees Centigrade in citrate, milk and tris yolk extenders. 024252
How well are your *bulls* **performing?** 024212
Effect of zinc level in rations on sperm **production** of *bulls.* 024263
Model calculatons on genetic differences between herds due to using different groups of *bulls* and different selection **rates** for cows within herds. 024286
Comparison of carcasses and meat from steers, short **scrotum** *bulls* and intact bulls. 022667
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts *[Bulls,* **sheep].** 025004
Breeding evaluation of *bulls* with **special** regard to systematic genetic influence. 024277
Degree of acrosomal destruction following deep freezing of *bull* **sperm** in liquid nitrogen. 024243
Enhanced respiration and reduction of tetracycline binding of boar and *bull* **spermatozoa** following incubation in the female genital tract. 024145
Stress on **spermiogenesis** of *bulls.* 024217
Retail carcass comparisons of *bulls* and **steers** [Beef]. 022705
Can and should the dairy producers in western France take recourse to crossing [of dairy cows with beef **type** *bulls].* 024067
Carcass composition and quality of *bulls* **versus** steers [Beef]. 022700
Study of the quality of beef. I. Biochemical study of the aging of **young** *bull* meat. 022643
Fixing the final weight of **young** *bulls* of different gene design with special reference to the growth function. 023268
Relationships between the performances of ancestors and direct offspring as well as between first inspection results of **young** *bulls* and their breeding values. 4. Relationships. 024029

BUMBLEBEES *see* BEES

BUNDLE
Stability of myofibrillar EDTA-ATPase [ethylendiamine tetraacetic acid-adeninetriphosphatase] in rabbit psoas **fiber** *bundles* [Meat quality]. 022664
On the quality of forming **log** *bundles.* 025447
Cytoplasmic filaments and their assembly into *bundles* in **Physarum** [polycephalum] plasmodium [Fungi]. 026055
Effects of veratrine on repolarization in the canine **right** *bundle* branch. 023209
Biophysical characterization of mesophyll and *bundle* **sheath** chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and *bundle* **sheath** chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600
Photosynthesis in mesophyll protoplasts and *bundle* **sheath** cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Suaeda monoica, a C4 [carbon fixation pathway] plant without **typical** *bundle* sheaths. 026793
On the forming of a *bundle* of round **wood** materials by compression. 025404

BUNT
Genetic differentiation of the pathogen of **wheat** *bunt* [Tilletia caries]. 028012

BURNING
An attempt (and failure) to correlate duff removal and slash fire heat **[Broadcast** *burning,* Pseudotsuga menziesii, Larix]. 025252
Disposal of agricultural waste by **controlled** *burning*—a regulatory viewpoint [Air pollution]. 030917
Alternatives to [grass seed] **field** *burning.* 027404
The native vegetation in south Florida related to month of [prescribed] *burning* **[Pinus].** 025258
Prescribed *burning* for improving pine [Pinus taeda, Pinus echinata] production and wildlife habitat in the hilly Coastal Plain of Alabama. 025179
Air pollution regulations and their effect on forest management **[Prescribed** *burning].* 025195
Using motion pictures for data collection on **prescribed** *burning* experiments. 025257
Prescribed *burning*—effective control of sagebrush and open juniper [Artemisia, Juniperus, range management]. 028595
Dousing weeds [of maize with **propane** for *burning].* 028510
Short-term effect of **seasonal** *burning* on the composition of Dichanthium annulatum stands at Varanasi. 025922
Burning of **soil,** called Guie, in Ethiopia and its influence on soil and plants. 030587
Residual effect of soil fumigation with **vine** *burning* on control of Verticillium [albo-atrum] wilt of potato. 028060

BURROWING
Burrow-blocking **behaviour** in Geolycosa wrightii (Araneae: Lycosidae). 029208
The *burrowing* **mayflies** of the United States (Ephemeroptera: Ephemeroidea). 029709
The influence of *burrowing* and **thermoregulatory** behaviour on the water relations of Geolycosa godeffroyi (Araneae: Lycosidae), an Australian wolf spider. 029463

BURRS
Relative toxicity of some important insecticides to the adults of **lacewing** *bur* Urentius echinus Distant (Heteroptera: Tingidae) [Eggplant pests]. 028846
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia **obtusifolia** *Bur.* in the Sao Joao River valley, Rio de Janeiro [National forest resources, conservation]. 025076

BURSA
The role of the **infectious** *bursal* agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and gangrenous dermatitis [Broilers]. 024451
Infectious *bursal* agent of chickens reduces the incidence of lymphoid leukosis. 024456
Specific B lymphocyte suppression by **infectious** *bursal* agent (Gumboro disease virus) in chickens. 024516
An outbreak of **infectious** *bursal* disease (IBD) of chickens in Nigeria. 024751

BURY
Dung *burial* activity and fly control potential of Onthophagus nuchicornis (Coleoptera: Scarabaeinae) in British Columbia. 028641

BUSHES
Do ornamental trees and *bushes* have an **economic** value? 027801
The effect of various methods of trimming on the yield of *tea-bush* **plantations** of different age on podzolic soils. 027864
Application of herbicides in growing tomatoes and *bush* **redpeppers.** 028529
The pests and diseases of the **rose** *bush* [Rosa]. 028362
Vascular restriction as the cause of 'Dimbula disease' of tea (Camellia **sinensis**) *bushes.* 028391

BUSINESS
1974 dairy **farm** *business* summary. 021375
Business and **management** problems between killing and final production sales [Beef]. 021618
The **ticklish** *business* of changing human behavior. 022279

BUTANOL
Butanediol as an **energy** source for pigs [Feeding]. 023885

BUTOXIDE
Piperonyl *butoxide,* a potent inhibitor of potato spindle tuber viroid in Scopolia sinensis. 028228

BUTTER
"Half-fat" milk tested for the first time in the 1975 German Agricultural **Association** *butter* testing. 021867
How will the intervention price rise on the *butter* **market** work? 021484
Winter corn can *butter* up **menu** profits. 022316
Unsaponifiable matters of *butter* **oil.** I. Compositional study of hydrocarbon fraction. 022624
24-methylenedammarenol: a new triterpene alcohol from shea [Butyrospermum **parkii**] *butter.* 022517
The peanut and **peanut** *butter.* 022100
Determination of the cost curve in dairy production departments in dependence on capacity and capacity utilization. VIII. *Butter* making **section.** 021418
Easy **spread** *butter* and margarine. 022567

BUTTERFLIES
Butterfly **ecology.** 029230
Courtship behavior and use of chemical communication by males of certain species of **ithomiine** *butterflies* (Nymphalidae: Lepidoptera) [Danainae]. 029215
To destroy them or help them to survive *[Butterflies,* **Lepidoptera].** 029344
Local collection of *butterflies* **(Lepidoptera)** from the Kivu area (Republic of Zaire, Africa). 029630
The genetics of the **mimetic** *butterfly* Hypolimnas bolina (L.). 029477
The collector of *butterflies* and **nature** conservation. Remarks to the article by Georg Christensen published in No. 21, Jan. 11, 1975. 029343
The control of diamond back moth [Plutella xylostella] and cabbage **white** *butterfly* larvae [Pieris rapae] with phenthoate. 028887
Melanism and climate. I. Study of the variation of the marble **white** *butterfly,* Melanargia galathea (Lepidoptera, Satyridae), in France. 029238
The role of *butterfly* **wings** in regulation of body temperature. 029422

BUTTERMILK
Pretreatment of milk and skim milk for the manufacture of *buttermilk* and **yoghurt.** 022572

BUTTERNUTS
Fusarium avenaceum on *butternut* **pumpkin.** 027869

BUTYLATE
Effect of water and BHT *[butylated* **hydroxytoluene]** on stability of cottonseed oil during frying. 022790

BUTYRIC
The influence of **IBA** *(b-indolyl-butyric* acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by leaf-bud cuttings. 026321

BUXUS
Investigation of the alkaloids of *Buxus* **sempervirens.** 026483
Alkaloids from *Buxus* **sempervirens** var. Bullata Kirchn. 026527

BYPRODUCTS
The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as *byproducts* of the **biosynthesis** of amino acids. 026868

CABBAGES
Productivity of vegetable crops in a region of high solar input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and *cabbages* **(Brassica** oleracea L.). 027124
Effect of the new insecticide PDD 60-40 on nymphs and adults of the *cabbage* **bug** Eurydema oleraceum L. (Heteroptera, Pentatomidae). 028898
Annotated bibliography on storage of *cabbage,* 1968-1974. 022968
Metabolism of isoxathion, O,O-diethyl O-(5-phenyl-3-isoxazolyl)-phosphorothionate in plants [beans, *cabbage,* **Chinese** cabbage]. 027099
Turnip yellow mosaic virus-RNA replication in **Chinese** *cabbage.* 028247
Control of *cabbage* **clubroot** [Plasmodiophora brassicae]. 028109
Use of **herbicides** on *cabbage.* 028597
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and **imported** *cabbage* worm [Pieris rapae] in the greenhouse and field. 028874
Economic evaluation of chemical and biological methods *[Cabbage,* **insect** pests, control]. 028903
Experience and tasks in the integrated protection of *cabbage* **[Insect** pests]. 028906
Natural regulators of numerical strength of *[cabbage* **insect}** pests. 028910
Natural regulators of the numerical strength of *cabbage* **[insect]** pests. 028911
Cuticular encystment: a unique and effective defense reaction by *cabbage* **looper** larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Variation in [cultivated varieties of] Brassica oleracea resistance to *cabbage* **looper** [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. 028874
The inheritance of *cabbage* **resistance** to speck necrosis. 028438
Effect of fermentation, processing and storage on lipid composition of **sauerkraut** *[Cabbage].* 022948
Chemical examination of **seleniferous** *cabbage* Brassica oleracea capitata. 027187
Use of Semeron [for weed control in *cabbage* **stands].** 028525
Variation in susceptibility of **stored** *cabbage* tissues to infection by Botrytis cinerea. 027925
Care of *cabbage* and **table** root crops [Culture]. 027777
Application of fertilizers to different *cabbage* **varieties** in a flood plain. 030486
The control of diamond back moth [Plutella xylostella] and *cabbage* **white** butterfly larvae [Pieris rapae] with phenthoate. 028887
Pulsating overhead irrigation and *cabbage* **yields.** 030671

CABLES
On the angle made by the **carrying** *cable* in the point of support in the case of great capacity forest skylines. 025480
Statical solution on the *cable* **crane** [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. 025421
Assembly of **skyline** *cables* with the aid of helicopters [Logging equipment]. 025435
Statical solution on the cable crane [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the **track** *cable.* 025421

CACALIA
The pachycaul Senecio species of St. Helena, 'Cacalia paterna' and *'Cacalia* **materna'.** 025738
A new hybrid of *Cacalia* from **Nagano** Prefecture. 025710
The pachycaul Senecio species of St. Helena, *'Cacalia* **paterna'** and 'Cacalia materna'. 025738

CACAO
Study of the climate in natural drying of *cacao* in **barges.** 022417
Little-known pest of *cacao* **beans** [Mussidia nigrivenella]. 028692
New type of box for **breaking** *cacao* with a device for collecting syrup. 022416
Control of rats in *cacao* **storehouses.** 022415
Vegetative propagation of tropical tree crops with emphasis on *cacao* **(Theobroma** cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Yield gradients in cocoa **(Theobroma** *cacao* L.)—shade and fertilizer experiments. 030409
Use of atomizers for inducing production of *cacao* **trees.** 027858
Why the *cacao* **yield** is low in the south of Bahia [Plant diseases]. 028342

CACTACEAE
Cactus *[Cactaceae]* **flowers** in the Argentine highlands. 025719
Occurrence of plant-parasitic gall and cystic **nematodes** of *Cactaceae.* 028376

CACTUS
Cactus **[Cactaceae]** flowers in the Argentine highlands. 025719
Grafting *cacti* [Mammillaria, Melocactus]. 027807
The **new** *cactus* [in Wisley's] house. 027771
Seasonal *cactus* care [Culture]. 027720

CADDISFLY *see* **TRICHOPTERA**

CADMIUM
Radioisotope techniques in delineation of the environmental **behavior** of *cadmium.* 030885
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and *cadmium* **chloride** in male and female mice. 024156
Cadmium in the **environment.** 030800
Metabolism and toxicity of *cadmium,* **mercury,** and lead in animals: a review. 024969
Antibody suppression by *cadmium* **[Mice,** toxicity]. 024939
Sources of error in the determination of Cd *[cadmium]* and **Pb** [lead] in plant material by atomic absorption [Foliar analysis]. 030440
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of *cadmium* in a **simulated** freshwater ecosystem [Nitella flexilis, algae, Elodea. 030650
Studies on the toxicity of zinc sulphate and of *cadmium* **sulphate** to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927

CADRA
Potential for control of *Cadra* **cautella** (Walker) by release of fully or partially sterile males [Stored products, pests]. 028978
Mortality of three stored product moths [Sitotroga cerealella, *Cadra* **cautella,** Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. 028981
Susceptibility of *Cadra* **cautella** and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat [Insect pests, biological control]. 028984

CAESALPINIACEAE
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a seed predator of Cassia grandis L. *(Caesalpiniaceae)* in **Central** America. 025801

CAFFEIC
Effects of roasting temperatures and gamma irradiation on the content of chlorogenic acid, *caffeic* **acid** and soluble carbohydrates of coffee. 022480

CAFFEINE
Preliminary evidence of the influence of *caffeine* **concentration** on modification of maternal repair of chromosome breaks induced by X-rays in the paternal genome of Drosophila. 029449
Caffeine **determination** by gel chromatography [Beverages]. 022551
The influence of acridine dyes and *caffeine* on **recovery** from ultraviolet damage in Eudorina elegans [Algae]. 026459
The effect of *caffeine* on **survival** of UV-[ultra violet]-irradiated diploid yeast [Saccharomyces cerevisiae] strains of different sensitivities. 026227

CAGES
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] foraging on *caged* **apple** trees. 029113
Additional developments on the **automated** *cage* system for growing broilers. 023093
Cages—Are they **costing** you money! [Chickens]. 021427
Effect of vertebrate size and density on host-selection by *caged* **Culex** nigripalpus. 029038
Air temperature modification in Lumite **field** *cages* [used inentomological research] in alfalfa hay. 029400
Boll weevil [cotton pests, control]: survival in **hibernation** *cages* and in surface woods trash in central Texas. 028748
Effect of energy level of the ration on fatty liver in *cage* **layer** hens. 023773
Feeding corn silage plus manure from *caged* **layers** or dairy cows as total mixed rations for dairy heifers. 023819
Comparison of two aerosol generator nozzle systems: estimates of droplet size and *caged* **mosquito** assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029968
Is your *cage-floor* **raising** "seconds"? [Egg collection, shell damage]. 022730
Keeping calves in **reduced** *cages* [Disease prevention]. 024811

CAJANUS
Somatic variation in *Cajanus* **cajan** [Pigeonpeas]. 026134

CAKES
Comparison of nutritive values of groundnut **oil** *cake* and Niger oil cake for laying pullets [Chickens]. 023712
Procedural change in the official method for the extraction of light filth from cocoa, chocolate, and **press** *cake.* 021915
Nutritive value of neem **seed** *cake* (Melia indica) [Cattle]. 023746

CALADIUM
Caladiums *[Caladium* **bicolor]** in the home garden [Culture]. 027727

CALAMUS
Acorus *calamus*—a new source of C-diglycosides. 026467

CALANTHE
Orchid genera, illustrated. **XLVIII.** *Calanthe.* 025594

CALCAREOUS
The effect of mulching of **humus** *calcareous* soils on the yield of mandarin oranges. 030618
Ion exchange removal of carbonates from **saline** *calcareous* soils prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. 030341
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in *calcareous* **saline** soil suspensions. 030348
The use of *calcareous* **sand** in Abu Dhabi as a growing medium in the sand culture system [to produce vegetables]. 027646

CALCICOLOUS
Role of membrane systems in the absorption of calcium by the roots of Vicia faba [broadbeans] *(calcicolous)* and **Lupinus** luteus [lupine] (calcufugous). 026704

CALCIFICATION
On the *calcifications* in **Monophyllaea** horsefieldii (Gesneriaceae). 026800

CALCIUM

Calcium distribution in islets of Langerhans: a study of calcium concentrations and of *calcium* **accumulation** in B cell organelles [Rats]. 023501
Calcium **accumulatons** within the growing tips of pollen tubes [Lilium longiflorum]. 027192
Lead and **active** *calcium* transfer through the intestinal wall in rats. 025000
The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, *calcium* **binding** site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
Effect of *calcium* on the **biosynthesis** of phosphatidylcholine by microsomes prepared from Vicia faba [broadbean] roots. 027148
The influence of adding sulphurous acid and *calcium* **bisulphite** during the extraction of sugarbeet cossettes on the amount of pulp. 022855
Blood *calcium* levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning [Doves, ducks]. 024950
Effect of CaCO3 *[calcium* **carbonate]** and iron on the availability of iron in a light textured soil. 030238
Causes of *calcinosis* in **cattle** kept in the soil-fertilizer-pland-animal system [Poisonous plants, Trisetum flavescens]. 024942
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of intestinal **cell** *calcium* uptake and calcium-bindng protein [Rats]. 022205
The function of *calcium* in the **cell** and in the subcellular units of apple fruit. 027087
Calcium-related **changes** of enzyme activities in energy metabolism of cultured embryonic chick myoblasts and myotubes. 023392
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, *calcium,* **chlorine,** sodium] in the medium on growth conditions of cells. 026912
The mineral composition of apples. *Calcium* **concentration** and bitter pit in relation to mean mass per apple. 022952
Muscarinic inhibition of potassium-induced noradrenaline release and its dependence on the *calcium* **concentration** [Rabbits]. 023595
Calcium distribution in islets of Langerhans: a study of *calcium* **concentrations** and of calcium accumulation in B cell organelles [Rats]. 023501
Soil cultivation and water supply in relation to bitter pit [in apples, excessive potassium, *calcium* **deficiency].** 028308
The effects of **dietary** *calcium* and phosphorus on the retention and excretion of lead in rats. 022059
Calcium **distribution** in islets of Langerhans: a study of calcium concentrations and of calcium accumulation in B cell organelles [Rats]. 023501
Antagonism between *calcium* and other **elements** in the apple fruit [the primary cause of bitter pit development]. 028297
Periodontopathy in the dog due to lack of *calcium* and **excess** of phosphorus in the diet. 024934
Calcium-ammonium **exchange** equilibria in three soil clays of Mysore State. 030299
Scanning electron microscope (SEM) observations of soil structure changes induced by *sodium-calcium* **exchange** in relation to hydraulic conductivity. 030344
Vitamin D-dependent, particulate calcium-binding activity and **intestinal** *calcium* transport. 022012
The role of extracellular Ca2+ *[calcium* **ions]** and cyclic nucleotides in the mechanism of enzyme secretion from the cat pancreas. 023613
The role of *calcium* **ions** in fertilization of mouse and rat eggs in vitro. 024131
Calcium **kinetics** in the Solanum malacoxylon-treated rat. 022134
Washing of pulps. 2. The sorption of Na, Mg and Ca [sodium, magnesium, *calcium]* on **kraft** pulp. 025497
Value of crushed coral as a source of *calcium* in **layer** rations [Chickens]. 023879
Response of two soya bean cultivars to manganese toxicity as affected by pH [hydrogen-ion concentration] and *calcium* **levels.** 028333
Calcium, **magnesium,** potassium, and sodium in honey and in nectar secretion. 022487
Postnatal decline of (Ca2+ + Mg2+) *calcium* and **magnesium** ions]-activated membrane ATPase [adenosine triphosphatase] in cattle red cells. 023411
Calcium and **magnesium** contents of ectoplasm and endoplasm of Physarum polycephalum plasmodium [Fungi]. 026816
Activity of aminotransferase in tomato seedlings depending on Ca: Mg *[calcium:* **magnesium]** ion ratio in the nutrient medium. 027092
The *calcium,* **magnesium** and micronutrient contents of agricultural liming materials available to Georgia farmers. 030462
The effect of exercise on *calcium* **metabolism** in horses. 023617
A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca *[calcium]-* and **Mg** [magnesium]- free salt solution. 023383
Economics of fertilizing pine [Pinus] stands in the Oberpfalz using *calcium-ammonium* **nitrate.** 030458
Influence of nitrogen fertilization, spraying of *calcium* **nitrate,** thinning, and time of harvesting on James Grieve [variety of] apples. 030514
Effects of cholecalciferol on the translocation of *calcium* by **non-everted** chick ileum in vitro. 023275
On the formation of the pattern of crystal idioblasts in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of *calcium* **nutrition.** 027063
Vitamin D-dependent, **particulate** *calcium-binding* activity and intestinal calcium transport. 022012
Effects of lalpha-hydroxy- vitamin D3 and 1,25-dihydroxy- vitamin D3 on *calcium* and **phosphorus** metabolism in hypoparathyroidism. 022159
Studies om inorganic matters in feedstuffs. II. Contents' of *calcium* and **phosphorus** in home produced feedstuffs. 023068
Maintenance of *calcium* and **phosphorus** levels in blood [Chickens]. 023440
Intestinal absorption of *calcium* and **phosphorus** by horses. 023564
Effect of diets low in *calcium* and **phosphorus** on the development of growing lambs. 023749
The effects of levels of *calcium,* **phosphorus** and vitamin D on bone deveopment and eggshell quality in modern laying hens. 023825
Plant-available *calcium,* magnesium and sulfur levels in soils used for corn production in Michigan. 030332
The action of fluoride on the *calcium* **pretreated** blood [Rabbits]. 023542
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of intestinal cell calcium uptake and *calcium-bindng* **protein** [Rats]. 022205
Calcium **requirements** after gastric operations (a balance study). 022166
Effect on plant growth and nutrient uptake of a saturated gypsum solution given to a soil **rich** in Ca *[calcium].* 030438
Role of membrane systems in the absorption of *calcium* by the **roots** of Vicia faba [broadbeans] (calcicolous) and Lupinus luteus [lupine] (calcufugous). 026704
Serum *calcium* and magnesium levels during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Studies on soil improvement materials. I. Effect of phosphate fertilizers, **silicic** *calcium,* carbonate percipitated and compost of bark on citrus trees. 030433
Calcium, **sodium,** phosphate, a contribution to the correct performance mineral supply for livestock. 023049
Ca *[calcium]-uptake* and **-translocation** by plants with special regard to apple trees. 027070
The predominant role of *calcium* [in the **tree** metabolism] as an indicator in storage disorders in Cleopatra apples [Physiological diseases]. 028382
A comparison of the effects of **two** *low-calcium* diets on egg production in the domestic fowl. 023710
Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, *calcium,* and **zinc** in wheat during maturation. 026973

CALCULI

Urinary *calculi* in dogs. A trial on an analysis package. 024898

CALIBRATION

Effect of *calibration* **procedures** on accuracy and precision of automated Kjeldahl nitrogen analysis in some formulated foods. 022498
In forest plantings: **sprayer** *calibration* for herbicide application [Equipment. 030060

CALLICARPA

Confirmation of the structure of calliterpenone, a diterpene from *Callicarpa* **macrophylla.** 026729

CALLICORIXA

Life histories of three species of Corixidae (Hemiptera: Heteroptera) from western Colorado *[Callicorixa* **audeni,** Cenocorixa bifida, Arctocorisa lawsoni]. 029205

CALLIPHORA

Mode of formation of cholesta-5,7-dien-3beta-ol from cholest-5-en-3beta-ol by larvae of *Calliphora* **erythrocephala.** 029251
Independent replication of the ribosomal RNA genes in the polytrophic-meroistic ovaries of *Calliphora* **erythrocephala,** Drosophila hydei, and Sarcophaga barbata. 029299
Metabolism of some possible ecdysone precursors in *Calliphora* **stygia.** 029414
The pattern of reactivation of diapausing larvae in the blowfly, *Calliphora* **vicina.** 029421
Influence of sexual maturation on cardiac activity and reactivity of *Calliphora* **vomitoria.** I. Cardiac activity. 029436

CALLIPHORIDAE

Synchronization of function in the foregut of the blowfly Phormia regina (Diptera: *Calliphoridae)* during the **crop-emptying** process. 029289

CALLOSOBRUCHUS

Approaches to insect control based on chemical ecology—case studies *[Callosobruchus* **chinensis,** pests of stored products]. 028976
Effects of gamma radiation on the egg stage of the southern cowpea weevil, *Callosobruchus* **maculatus** F. 028895

CALLUS

Release of hydrolytic enzymes from the cell walls of intact and disrupted **carrot** *callus* tissue. 027280
Differentiated *callus* nodules in resin pockets of Pinus ponderosa Laws. 025464
RNA profiles and nucelotide composition of **flax** *callus* and suspension cultures. 026907
Differentiation of apical cells in *callus* of **Pteris** creticaL. cultivated in vitro. Acquistion of secific characters. 025967
Promotion of **sorghum** *callus* growth by the s-triazine herbicides. 027028
Photoautotrophic growth and photosynthesis in **tobacco** *callus* cells. 027027
Influence of hydroxyurea on nucleic acids content and 3H [tritium]-uridine incorporation in *callus* and **tumorous** tobaccotissues and cultured in vitro. 028699

CALOGLYPHUS

Myo-epithelial junctions in skeletal and in intestinal tract muscle of the mite, *Caloglyphus* **anomalus** (Acarina). 029437

CALOMICRUS

A new Luperus *[(Calomicrus)* **macedonicus]** species from southern Yugoslavia (Coleoptera, Chrysomelidae, Galerucinae). 029561

CALONECTRIA

Shoot blights of ohia and koa [Metrosideros collina polymorpha, Acacia koa] caused by *Calonectria* **theae.** 028075

CALORIES

Dietary *caloric* density and caloric utilization by pigs. 023888
Evaluation of partially dehydrated milks *[Caloric* **value].** 022580

CALORIFIC *see* HEAT

CALORIMETRY

Flow-calorimetry for the **pulp** industry. 025485

CALVES

Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in *calves* **applying** lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409
Feeding, managing, and vaccinating dairy and orphan **beef** *calves* from birth to weaning. 023096
Calf **blood** extract in treatment of equine foot lesions. 024982
On the immunological reactivity of *calf* **body** at different ages. 024771
Interaction of vinblastine with *calf* **brain** microtubule protein. 023482
Dermoid cystectomy on nictitating membrane in a Hariana **bull** *calf.* 024316
Studies on the cultivation of an agent of bovine leucosis in bovine leucocyte cultures. 3. Leucosis transmission to *calves* with **cell-free** culture medium. 024806
Regulation of the biosynthesis of the macromolecules of the intercellular matrix of the **cornea** *[Calves].* 023606
Yield and composition of midland bermudagrass [Cynodon dactylon] selected by beef **cows** and *calves.* 027424
Creep feeding and subsequent maternal ability of Simmental **cross** *calves.* 023628
Veal productivity of *calves* of **dairy** and beef-dairy [cattle] breeds in conditions of industrial technology [Costs, returns, meat composition]. 021460
Considerations with respect to the use of a system of artificial rearing for **dairy** *calves* in southern Chile. 023090
Short-term metabolic control of appetite in **dairy** *calves* [Feeding]. 023616
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon isotope]magnetic resonance relaxation **data** *[Calves].* 023301
The development of ruminant digestion in the *calf.* I. The **digestion** of barley and soya bean meal. 023697
A scanning electron microscope study of Eperythrozoon wenyoni [on **erythrocytes** of a *calf].* 024719
Unknown growth factors in milk replacer feeds for **fattening** *calves.* 023734
Rational treatment of dehydration in *calves,* **galenical** preparation and clinical experimentation of new perfusable rehydrating solutions. 024893
Back home on the range: *calf,* **grass-fed** beef. 022309
Studies on the weaning and grazing of *calves.* 1. The **grazing** grasses [Dactylis, Ladino clover] and rumen adaptation. 023876
Urea utilization by *calves* during their **growth** up to six months of age. 023784
Hypomagnesiemia in dairy cows as a possible cause of *calf* **hypotrophy.** 024921
Implanting *calves* for added pounds and profit [Diethylstilbestrol, growth]. 023648
Short-term feeding of methionine hydroxy analog to beef brood cows: Does it **increase** *calf* weaning weights? 023907
Experiences with immune prophylaxis of coli **infections** of *calves.* 024726
Activity of deaminases of the contents of *calf* **intestine** relative to age. 023672
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions *[Calf* **intestines].** 023305
Keeping *calves* in reduced cages [Disease prevention]. 024811
Histopathological study on six cases of *calf* **leukosis.** 024877
Uridine diphosphate glucose synthase from *calf* **liver:** determinants of enzyme activity in vitro. 023307

An outbreak of Salmonella typhimurium infection in a farm of dairy-breed **male** *calves.* 024483
On the presence of estrogens in *calves'* **meat** and viscera. 021899
Effects of genetic and environmental factors on birth and weaning weights of Korean **native** *calf.* 023644
Stability of infectious bovine rhinotracheitis virus and it's immunity in Korean **native** *calves.* 024690
Interaction of management and nutrition on **neonatal** *calf* performance—a preliminary report. 023821
Neonatal *calf* diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and immune relectron microscopy. 024477
Influence of sex of the *calf* and **order** of lactation on reproductive efficiency in dairy animals. 024080
Cerebellar hypoplasia of genetic **origin** in *calves.* 024816
Erythrocyte gamma-aminolevulinic acid dehydrase changes in the **preruminant** *calf.* 023507
Nutrition of the **pre-ruminant** *calf.* 023831
The reconstitution of microtubles from **purified** *calf* brain tubulin. 023306
Performance of cows and their *calves* **reared** as singles or twins. 023149
Calf **response** to the initiation of partturition in dairy cows with dexamethasone or dexamethasone with estradiol benzoate. 024088
Characterisation of a *[calf]* **rotavirus.** 024658
Effect of modification of methionine side chains on the interaction properties of collagen [prepared from *calf* **skin**]. 023435
Feeding young **slaughter** *calves* requires permanent attention. 023788
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and *calf* **starter** to early weaning and suckling calves for growing and fattening. 023881
Biochemical studies of the "collapse syndrome" in **suckled** *calves.* 024912
Effect of ralgro on weight gains of **suckling** *calves* [Growth]. 023647
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and calf starter to early weaning and **suckling** *calves* for growing and fattening. 023881
Calf **[supply]** replenishment of farms specializing in intensive beef production. 021347
Cases of congenital deformation of the extremities in **Sychevka** *calves* [Heredity]. 024259
Di-cephalus bicallis with diplocardia in a *calf* **[Teratology].** 024849
Partial purification of "omega" protein from *calf* **thymus.** 023302
Studies on the methyl green-DNA complex and its dissociation by drugs *[Calf* **thymus**]. 023304
Measurement of milk consumption in young ruminants [lambs and *calves]* using **tritiated** water. 023829
Effects of two levels of milk intake on *calves* of **two** growth potentials. 023905
Immunological relationships between two strains of mucosal disease/virus diarrhea **virus** *[Calves].* 024410
Variability in preweaning **weights** of *calves.* 023638
New isotope methods for estimating milk intake and **yield** *[Calves].* 023769
Cardiovascular and endocrine responses to feeding in the **young** *calf.* 023547

CALVING *see* BIRTH

CALYCANTHINE
Calycanthine from **Palicourea** alpina. 026727

CALYPSO
Biology in the north of Sweden *[Calypso* **bulbosa,** Bombus pascuorum sparreanus, Bombus agrorum, pollination]. 026564

CAMARA
The suitability of Teleonemia prolixa (Stal) for biological control of **Lantana** *camara* in Australia. 028659

CAMBENDAZOLE
Cambendazole **paste** as an anthelmintic in horses. 024775

CAMELLIAS
Growing reticulatas in Virginia **Beach** *[Camellia].* 027672
Camellia **bonsai.** 027664
Gibberellic acid [for producing early blooms of *Camellias]-flower* **bud** vs. vegetative bud. 027671
Bud drop and **bullnosing** in *Camellias.* 028322
The **California** *Camellia* season—1975 [Varieties, shows]. 027678
Camellias **of China;** an excerpt from the New Chinese Flora [issued in Chinese by the Botanical Institute of the Chinese Academy]. 025580
Guidelines to **choosing** *Camellias* [Varieties]. 027673
Camellias in **condominiums** [Culture, varieties]. 027669
Camellia **culture** under glass. 027665
Effects of benomyl on *Camellia* **dieback** (Glomerella cingulata). 027895
Camellia **diseases** in Florida. 028323
Camellia **flower** blight —1975 [Sclerotinia camelliae]. 027894
Oriental hoax blossoms into southern belle *[Camellia,* **history**]. 027677
Camellias as **houseplants.** 027668
Lichen growth on *Camellias* [as **indicator** of their poor condition]. 028324
The Channel Islands and the **International** *Camellia* Society [Varieties]. 027679
Camellia **mining** scale Duplaspidiotus claviger (Cockerell) (Diaspididae: Homoptera). 028811
Interspecific hybridization of *Camellias,* with **particular** reference to fragrance. 026078
Do you fertilize the *Camellia* **plant,** the soil or your ego? 030417
"Open sesame" *[Camellia,* **pruning**]. 027676
Camellias **registered** in last year. 027670
Camellia **reticulata** in Galicia [Spain]. 027666
Guide-posts for *Camellia* **show** judges. 027674
Bloom blight [of *Camellia]* at **show** time [Sclerotinia camelliae, chemical control]. 027893
Camellia **species** for the garden. 027667
Camellias and **sulphur-coated** urea [as source of slow-release nitrogen]. 030416
Vascular restriction as the cause of 'Dimbula disease' of **tea** *(Camellia* sinensis) bushes. 028391
Some views on the distribution of a *camellia* in **Toyama** prefecture and Gifu. 025581
My *Camellias* with **unusual** leaves [Varieties]. 027675
Additional new information on Yunnan reticulatas from China *[Camellia,* **varieties**]. 027663
The judges have spoken *[Camellia,* **varieties**]. 027680

CAMELS
Carotene content in blood serum of young **Arabian** *camels* in ontogenesis. 023451
Raphidia (Mongoloraphidia) mirabilis n. Sp.—a **new** *camel* pest from Tadzhikistan. 029586

CAMPANULA
A new flavone glycoside from *Campanula* **patula.** 026465

CANALS
Radiography of the **alimentary** *canal* of the horse. 024330
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the **alimentary** *canal* of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
Effect of the **Kara-Kuma** *canal* of the environment [Water management]. 030763
The **Moscow** *canal*—a large water-supply complex and its significance in the national economy. 030781

CANANGA
Abnormal presence of hexyleneglycol in commercial essential oils of Vetiveria zizanioides and *Cananga* **odorata.** 022377
Abnormal presence of hexyleneglycol in the commercial essential oils of Vetiveria [zizanioides] and *Cananga* **[odorata].** 026780

CANARIES *see* BIRDS

CANARYGRASS
Life tables for the frit fly, Oscinella frit, in **reed** *canarygrass* [Phalaris] in Virginia. 028710

CANAVALIA
On the formation of the pattern of crystal idioblasts in *Canavalia* **ensiformis** DC. VII. Calcium and oxalate content of the leaves in dependence of calcium nutrition. 027063

CANCER
Modern views on the etiology, epidemiology, diagnosis and pathology of urinary **bladder** *cancer* [in animals]. 024863
The induction and the oncogenic mechanism of urinary **bladder** *cancer* in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of urinary **bladder** *cancer* in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867

CANDIDA
Ultraviolet-mediated antibiotic activity of thiophene compounds of Tagetes [patula, photoxic to *Candida* **albicans**]. 026772
Preliminary studies on fermentative production of tryptophan *[Candida* **arborea,** yeasts]. 026328
Pyridine nucleotide-linked oxidation of methanol in methanol-assimilating yeasts [Pichia pinus, *Candida* **boidianii**]. 026625
Citric acid production from various raw materials by yeasts *[Candida* **lipolytica**]. 022494
Studies on the fermentation of citric acid from N-alkanes by *Candida* **lipolytica** B74 [Yeasts]. 026330
Fermentative production of fumaric acid from liquid N-paraffin by *Candida* **rugosa** [Yeasts]. II. Studies on the fermentation conditions. 026326
The regulation of riboflavin synthetase synthesis by iron in flavinogenic yeasts [Pichia, Torulopsis, *Candida,* **Schwanniomyces** occidentalis]. 026400
Microbiologic contamination of bovine semen *[Candida* **tropicalis,** fungi]. 024226
On-line measurement of gas-exchange conditions in fermentation processes *[Candida* **utilis,** yeasts]. 022384
Production of a betacyanine concentrate by fermentation of red beet juice with *Candida* **utilis** [Food colorants]. 022937
Mitochondrial structure studied by high voltage electron microscopy of thick sections of *Candida* **utilis** [Yeasts]. 026026
Polybase induced lysis of yeast spheroplasts. A new gentle method for preparation of vacuoles *[Candida* **utilis**]. 026380
Study of cell walls of *Candida* **yeast.** 026007

CANE
Death rates of bacterial spores [isolated from *sugar-cane* **bagasse**]: nonlinear survivor curves [Bacillus cereus]. 021863
Mechanical properties influencing vibrations in **blueberry** *canes* [Vibratory harvesters, mathematical model]. 030145
The determination of sucrose in *cane* final **molasses.** 022854
Analysis of work of the sugar factories of the Latvian SSR in the processing of **raw** *cane* sugar in 1974 [Productive capacity]. 021800
Rooting and end of rest in 'Carignane' [grapevine] cuttingsas affected by collection time and *cane* **segment** used. 027699

CANEPHORA
First cases of haploidy found in **Coffea** *canephora* Pierre [Coffee]. 026105

CANINES
Can the serum activity of alkaline phosphatase (AP) be used in **diagnosing** *canine* hip dysplasia? 024875
The behavior of **fetal** *canine* cardiac cells in culture: synthesis and phosphorylation of myosin. 023384
Interstitial fluid pressure in *canine* **gastric** mucosa. 023218
Vascular dopamine receptors in the *canine* **hindlimb** [Dogs]. 023335
Recommendations on *canine* **hip** dysplasia: diagnosis, treatment and genetic selection. 024900
Tissue-steroid interactions in *canine* **hormone-dependent** tumours [Dogs]. 024918
Plaque assay and primary isolation of influenza A viruses in an established line of *canine* **kidney** cells (MDCK) in the presence of trypsin. 024786
Local control of pulmonary resistance and lung compliance in the *canine* **lung.** 023464
Use of an inclined plane for correction of ectopic **mandibular** *canine* tooth in a dog. 024394
Canine **pancreatic** adenocarcinoma [Dogs]. 024925
Canine **paraphimosis:** sequel to inefficient preputial muscles. 024926
Effect of glucagon on myoelectrical and mechanical activity recorded from the isolated homologous **perfused** *canine* stomach. 023258
Canine **pulmonary** blastomycosis [Blastomyces dermatitidis]. 024776
Effects of veratrine on repolarization in the *canine* **right** bundle branch. 023209
Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, ex-vivo-perfused, *canine* **stomach.** 023614
Rupture of the gallbladder in the *canine* and it's **surgical** correction; a case report. 024993
Experimental studies on "larva migrans". I. Transition of blood picture in mice infected with **Toxocara** *canis* larvae. 024622
Electric pacing of intact and **transected** *canine* small intestine and its computer model. 023210

CANKERS
Interaction of Corynebacterium michiganense **[bacterial** *canker]* and meloidogyne incognita [root-knot nematode] on tomato. 028147
Bacterial *canker* [Agrobacterium tumefaciens] in vineyards. 028154
Bacterial blight [Erwinia amylovora] not discovered [but **bacterial** *canker* present on apples and pears in Maritime Territory]. 028155
An attempt to determine the resistance of poplars to infection by Chondroplea populea (Sacc. Kleb.)=Dothichiza populea Sacc. et Briard) *[canker]* on the **basis** of the. 027886
Common *canker* [Nectria galligena] of apple trees, a very old disease locally in fresh outbreak. 027906
Comparison of benomyl and captafol with Bordeaux mixture for control of **European** *canker* [Nectria galligena] of apple. 028034
Low-temperature-induced *cankers* and burls [injuries] in test conifers and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. 025018
A coordinated programme for disease control in apples [Scab, *canker* and **mildew**]. 027890
"Atropellis [treleasei] *canker"* on **planted** Picea abies in Hokkaido, Japan. 027993
Resin *canker* [Cronartium flaccidum, control, Pinus]. 028117
Effect of temperature on the development of Godronia cassandrae f. **vaccinii** *cankers* on lowbush blueberry. 027929

CANNA
Studies on the [Canna] mottle [virus] disease of *Canna* **indica** L. 028251

CANNABIS
Female sterility in **hemp** *(Cannabis* sativa L.). 026143
Alkaloids of *Cannabis* **sativa** leaves [Marijuana]. 026716

Biosynthesis of cannabinoid acids *[Cannabis* **sativa,** marijuana]. 026722
Cannabis **smoke** condensate: identification of some acids, bases, and phenols [of marijuana cigarettes]. 021907

CANNERIES
Nutritional evaluation of protein from **shrimp** *cannery* effluent (Shrimp Waste Protein). 023748

CANNIBALISM
Cannibalism as an **indication** of pollen insufficiency in honeybees [Apis mellifera]: ingestion or recapping of manually exposed pupae. 029805
Cannibalism in **natural** populations [Insects, animals]. 029231

CANNING
A micromethod for lead in *canned* **baby** juices. 021940
Winning pair: fresh, *canned* **Bartletts.** 022315
The breeding of tomato varieties for *canning* for the **central** zone [of the USSR]. 026265
Food preservation: drying, *canning,* **freezing.** 022226
Nitrite transformations in *canned* **meat.** 021898
Influence of technological additives and of heating temperature on some chemical and physical changes in *canned* **meat.** I. Alteration of tin and iron content by corrosion of can. 021953
Studies on the *canning* of **non-astringent** persimmon (Buyu: Diospyros kaki. L.) produced in Korea. 022975
Studies on the processing adaptability of **pear** *canning* [Varieties]. 022972
Studies on *canning* of **persimmon.** 022971
Studies on the presence of microorganisms and keeping quality of *canned* **processed** cheese [Contamination, Clostridium]. 022619
The effects of plant population, irrigation frequency and cultivars on yield and *canning* **qualities** of tomato fruits grown under hot tropical conditions. 027640
Observations with respect to possible standards for the quality of *canned* **sardines.** 021853
Levels of residues of chlorinated hydrocarbons in *canned* **vegetables.** 021859

CANNULATION
Suturable **gastrointestinal** *cannulas* for animals of various sizes [Rabbits, rats, dogs]. 023474

CANOPY
Heat radiation from a glasshouse **crop** *canopy* at night. 029878
A progress report on three selection schemes with differing emphases on *canopy* **height** [Sugarcane]. 026292
Canopy **lichens** with blue-green algae: a nitrogen source in a Colombian rain forest. 025894
The effects of CO2 [carbon dioxide] concentration on the *canopy* **photosynthesis** and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
Natural convection heat transfer in covered **plant** *canopies* [Electrical system]. 029880
Effect of flow rate and *canopy* on **rill** [soil] erosion. 030620
Radiation absorption of *canopy* **rows** [in a greenhouse climate]. 029882

CANTHARELLUS
Notes on cantharelloid fungi. V. A new species of *Cantharellus* **[ignicolor].** 025776

CAPILLARIA
Capillaria **tridens** (Dujardin 1845) Travassos 1915, from wild turkeys (Meleagris gallopavo) in the southeastern United States. 024608

CAPITAL
Foreign capital is also *capital* **[Agriculture].** 021383
Norms of *capital* **expenditures** for the establishment of stone fruit orchards. 021451
Correct calculation of the effectiveness of **fixed** *capital* [in collective farms of the subtropical zone]. 021442
Foreign *capital* is also capital [Agriculture]. 021383
Rational amount of fixed **production** *capital* [in collective and state farms]. 021403
Possibilities for cooperating in cattle rearing. Effects onconstruction planning, work time and *capital* **requirement.** 021300
Alternative futures for nonmetropolitan population, income, employment, and *capital* **[Rural** development]. 021683
The planning of **working** *capital* in wood chemistry industry under new conditions of economic operation. 025094
A descriptive study of the New **York** *Capital* District vegetable industry, 1974. 021675

CAPRA
Ammotragus lervia: progenitor of the domesticated sheep or specialized offshoot of *caprine* **evolution?** 023406
Transport of sulfonamides into *caprine* **[goat]** erythrocyte [Veterinary pharmacology]. 024317
Cyclopia or cebo-cephalus monstrosity in **goat** *(Capra* hircusL.). 024848
Caprine **pneumonia** caused by Corynebacterium ovis [Goats]. 024547

CAPRIFOLIACEAE
Investigations on flavonoid glycosides in a variety of botanical groups: luteolin 7-glucoside and diosmin in **Lonicera** *(Caprifoliaceae).* 026437
Taxonomic and biological remarks concerning Macrophya (Hymenoptera, Tenthredinidae) developing on **Sambucus** *(Caprifoliaceae).* 029538

CAPSICUM
Effects of spacing and nitrogen level on growth and yield of pimento *[Capsicum* **annum].** 027716
Phosphorus fertilizer studies with *Capsicum* **annuum** L. (Sweet pepper). 030404
Carotene oxidizing factors in redpepper **fruits** *(Capsicum* annuum L.). Ascorbic acid. 022926
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and **sweet-pepper** *(Capsicum* annuum L.). 027598

CAPSULE
Determination of larval instars of Heterocampa manteo and reduction of larval **head** *capsule* size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918

CAPTIVITY
Observations on the behaviour of the Mithan (Bibos frontalis Lambert 1837) in *captivity* **[Cattle].** 023249
Induction of ovulation and pregnancy in *captive* **cottontail** rabbits by exogenous gonadotrophin treatment and artificial insemination. 024225
Some **notable** *captures* carried out in 1975 (IV to VII). 029625
Some observations on the Japanese field vole, Microtus montebelli (Milne-Edwards) in *captivity.* I. **Postnatal** growth and development [Forest pests]. 025016
Recapture of **virgin** female Caribbean fruit flies [Anastrepha suspensa] from traps baited with males. 028859
Spirit of '76: Walla **Walla** *captures* the past. 022297

CARABIDAE
Beetles—Coleoptera: leaf **beetles**—*Carabidae;* subfamilies: Bembidinae, Trechinae. 029617
Studies of the subtribe Tachyina (Coleoptera: *Carabidae:* **Bembidiini).** III. Systematics, phylogeny, and zoogeography of the genus Tachyta Kirby [New taxa]. 029700
Determination of *carabid* **(Coleoptera,** Carabidae) role in agrobiological communities by serological method. 029517
New Carabus species from China **(Coleoptera,** *Carabidae).* 029568
New Cychropsis finding from Nepal, with supplementary description of Cychropsis mandli Paulus (Coleoptera: *Carabidae,* **Cychrini)** [New taxa]. 029691
Determination of carabid (Coleoptera, *Carabidae)* **role** in agrobiological communities by serological method. 029517

CARABUS
New *Carabus* species from China (Coleoptera, Carabidae). 029568

CARALLUMA
Caralluma **incarnata** var. Alba (G. Don) N.E. Br. 025653

CARBAMATES
Benomyl [methyl N-(l-butylcarbamoyl) **benzimidazol-2-yl** *carbamate]* **residues** [Fungicides in crops]. 029146
Evaluation *[Carbamate* **insecticides,** residues]. 029126
Analysis of some *carbamate* and **urea** herbicides in foods by gas-liquid chromatography after alkylation [Residues]. 021906

CARBAMIDE *see* **UREA**

CARBARYL
Toxicity of *carbaryl* and **diazinon** to gypsy moth [Porthetriadispar] larvae: changes in relation to larval growth. 028665
Carbaryl **resistance** in native and released populations of Amblyseius fallacis [Michigan, apples]. 028848
Control of a looper, Lambdina atbasaria atbasaria, on hemlock [Tsuga canadensis] with three chemical insecticides *[Carbaryl,* **trichlorphon,** acephate]. 028944

CARBAZOLE
Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel total synthesis of **olivacine** *(1,5-dimethyl6H-pyrido[4,3-b]-carbazole)* [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. 026634

CARBETAMIDE
The selective control of grasses in red clover (Trifolium pratense) and lucerne (Medicago sativa) crops by *carbetamide* and **propyzamide.** 028606

CARBOFURAN
Evaluation of *carbofuran* for the **control** of soldier fly [Inopus rubriceps] larvae in pasture. 028780
Clover root curculio [Sitona hispidulus]: Control with **granular** *carbofuran* as measured by alfalfa regrowth, yield, and root damage. 028749
Effectiveness of *carbofuran* **[insecticide]** as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. 028842

CARBOHYDRATES
Carbohydrates and **alcohols** of Andrachne rotundifolia. 026468
Investigation of the *carbohydrates* of **Arum** korolkovii. 026482
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of aflatoxin synthesis by Aspergillus flavus in dependence on quality and quantity of the *carbohydrates* **available** [Milk contamination]. 021948
Changes in **cell-wall** *carbohydrates* and lignin of some forage-type millets [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985
Carbohydrate **changes** in tulip bulbs during storage and forcing. 027071
Carbohydrate **changes** in chicory during forcing. 027196
Distribution of amino acid and *carbohydrate* **components** in fulvic acid [from Italian soils] fractionated on polyamide. 030193
Cold hardening and *carbohydrate* **composition** of Meyer Zoysia [japonica]. 027103
Employ of industrial by-products **containing** *carbohydrates* for acid, alcohol, aldehyde and ketone production [Fermentation]. 022478
Studies on the influence of a long term lime fertilization on the humus composition and *carbohydrate* **content** of rice soils. 030531
The effect of growth-regulating substances on metabolism of *carbohydrates* in **cotton** plant organs. 026972
The role of **dietary** *carbohydrates* in plaque formation and oral disease. 022187
Carbohydrate **digestion** and absorption in the equine small intestine [Horses]. 023560
Relationship between *carbohydrate-,* **fat-and** protein metabolism [Livestock feeding]. 023797
Methods of investigating the *carbohydrate* **fraction** of sulfite alkalis [Wood pulp processing]. 025314
Studies on *lignin-carbohydrate-complexes* by **high** resolution electron microscopy. 025365
Effects of mazindol [anorectic agent] on *carbohydrate* and **insulin** metabolism in obesity. 022160
The effect of storage temperature on *carbohydrate* **interconversion** in tulip bulbs. 027085
The development of the guinea pig gallbladder epithelial cells. I. Light microscopical and *carbohydrate-histochemical* **investigations.** 023423
Studies on the enzyme system of *carbohydrate* **metabolism** in fish. II. Purification of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022410
Studies on the enzyme system of *carbohydrate* **metabolism** in fish. III. Properties of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022411
Effects of ochratoxin A on *carbohydrate* **metabolism** in rats [Aspergillus ochraceus]. 024959
Carbohydrate **nutritive** value of several feeds on farms of the Dnieper-right-bank forest-steppe region of the Ukraine. 023941
Digestion and absorption of *carbohydrates* in **Odontotermes** obesus (Isoptera: Termitidae). 029329
Flower production and the accumulation and distribution of *carbohydrates* in different **parts** of Baccara rose plants as influenced by various pruning and pinching treatments. 027199
Plasma *carbohydrate,* insulin and hepatic enzyme levels in rats refed sucrose. 022184
Drying of amino acids [from algae] in the **presence** of *carbohydrates.* 022436
Pallidin. Purification and characterization of a *carbohydrate-binding* **protein** from POlysphondylium pallidum implicated in intercellular adhesion [Fungi]. 026410
Influence of *carbohydrate-free* **protein-rich** diet on free alpha-amino **nitrogen changes** in plasma, erythrocytes and leucocytes [Rats]. 022172
Qualitative *carbohydrate* requirements of the larve of Trogoderma granarium Everts. 029341
Carbohydrate **relations** of pecan [Carya illinoensis (Wang.) K. Koch) stem cuttings. 027107
Effects of roasting temperatures and gamma irradiation on the content of chlorogenic acid, caffeic acid and **soluble** *carbohydrates* of coffee. 022480
Study of **sulfonated** *carbohydrates* forming in bisulfite cooking of spruce. 025411
Methods of maintaining fungi that **utilize** *carbohydrates* [for laboratory studies]. 026676

CARBONATES
Effect of CaCO3 **[calcium** *carbonate]* and iron on the availability of iron in a light textured soil. 030238
Further study of diatoms in some present or quaternary, hydrothermal and **lacustrine** *carbonate* sedimentation from central Afghanistan. 025650
Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, *carbonate* **percipitated** and compost of bark on citrus trees. 030433
Ion exchange removal of *carbonates* from **saline** calcareous soils prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. 030341
Properties of sodium sulfide—**sodium** *carbonate* melts [Pulping]. 025490

CARBONIC
Carbonic **anhydrase** levels in blue-green algae [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440

CARBONIFEROUS
Albugo-like oogonia from the **American** *carboniferous* [Paleobotany]. 025816

CARBONS
In vitro radiolabeling procedure which labels the proteins of Newcastle disease virions with *carbon-14* **[Chick** embryos]. 024575

Cycocel plant growth regulant: Fate of *carbon-14* **chlorocholine** chloride in sugarcane grown in Hawaii. 026974
Partitioning of nitrogen and *carbon* in **cultures** of the marine diatom Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. 026668
Specific increase, by X-rays, of **dark** *carbon* dioxide outputfrom leaves of Pelargonium zonale L. 027153
The use of *carbon* **dioxide** as a cryogenic gas [Food freezing]. 022469
Bacterial contamination of beet stored in an atmosphere with *carbon* **dioxide.** 022714
Direct PCO2 *[carbon* **dioxide** partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. Dry weight loss and CO2 *[carbon* **dioxide**] evolution of decaying wood. 025429
Interrelations between sulphur dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 *[carbon* **dioxide**] concentrations in air. 026700
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and *[14C]carbon* **dioxide** into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
Reduction of oxygen by the electron transport chain of [spinach] chloroplasts during assimilation of *carbon* **dioxide.** 027140
Effect of gibberellic acid, kinetin, and ethylene plus *carbon* **dioxide** on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). 027268
Enhancement of CO2 *[carbon* **dioxide**] gas exchange in the leaves of Convallaria majalis L., its action spectrum and light saturation. 027275
CO2 *[carbon* **dioxide**] storage in Eucalyptus oil glands: a hypothesis disproved. 027304
Effects of CO2 *[carbon* **dioxide**] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
The effects of CO2 *[carbon* **dioxide**] concentration on the canopy photosynthesis and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
CO2 *[carbon* **dioxide**] nutrition of spring cucumbers in the Netherlands [Leaf injury]. 028299
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to germinating grain and to *carbon* **dioxide.** 029290
Simple designs of gas sampling in field soils and measuring contents of *carbon* **dioxide** and oxygen. 030227
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 *[carbon* **dioxide]-concentration** and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Soil fungistasis: elevation of the **exogenous** *carbon* and nitrogen requirements for spore germination by fungistatic volatiles in soils. 030192
Suaeda monoica, a C4 *[carbon* **fixation** pathway] plant without typical bundle sheaths. 026793
Influence of water stress on water relations and growth of a tropical (C4 *[carbon])* **grass,** Panicum maximum var. trichoglume. 026902
Effects of chronic ethanol intake on metabolic conversions of 14C *[carbon* **isotope**] erucic acid by the livers of rats fed with rapeseed or groundnut oil. 022144
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] *[carbon* **isotope**] estrone. 023356
Distribution volumes of [131I] [iodine isotope] albumin, [14C] *[carbon* **isotope**] sucrose, and 36Cl [chlorine isotope] in sheep lung. 023460
The in vivo metabolism of [14C *[carbon* **isotope**]] histamine during pentagastrin-stimulated acid secretion in the cat. 023555
Investigations of the impregnating behaviour of tributyl-tin oxide in different wood preservative formulations with the help of an active substance labelled with *carbon* **isotope.** 025374
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C *[carbon* **isotope**]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of I3C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463
Application of *carbon* **isotope** fractionation by plants to ecosystem investigations. 026856
The kinetics of incorporation in vivo of *[14C][carbon* **isotope]** acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
Red light effect on asp-U-14C *[carbon* **isotope**] incorporation in the soluble fraction of Zea mays L. 027065
14C *[carbon* **isotope**] incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in green gram [Mung beans]. 027164
The effect of zinc and phytic acid on the incorporation of 1-14C *[carbon* **isotope]-acetate** into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
A convenient biological synthesis of 19-hydroxy[4-14C] *[carbon* **isotope]4-androstene-3,17-dione** from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505
Comparison of the rate of absorption and proteolysis of [14C] *[carbon* **isotope]choleragen** and [14C]bovine serum albumin in the rat jejunum. 024571
Bioaccumulation of 14C *[carbon* **isotope]-DDT** in a small pond [Water pollution]. 030875
Effects of metiamide on distribution of *14C[carbon* **isotope]-histamine** in aortic smooth muscle [Rabbits]. 023261
Investigation on the long distance transport of some foliar applied 14C *[carbon* **isotope]-labeled** amino acids [Kidney beans]. 027129
Measurement of the uptake of a 14C *[carbon* **isotope]-labelled** fluorescent whitening agent by fish from water and througha model food chain. 030881
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C *[carbon* **isotope]magnetic** resonance relaxation data [Calves]. 023301
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C *[carbon* **isotope])methionine.** 026398
The structures of C17 *[carbon* **isotope]-obtusilactone** dimer and two C21-obtusilactones [Lindera obtusiloba]. 026851
Some aspects of absorption, translocation and metabolism of 14C *[carbon* **isotope]-picloram** in gorse [Ulex europaeus]. 028569
Time-course of 14C *[carbon* **isotope]-sucrose** translocation by successive leaves of Hibiscus esculentus L. (Okra). 027130
Approaches to the biosynthesis of the [Hyalophora] cecropiaC *[carbon]* 18 **juvenile** hormone. 029405
Effects of hypoxic and CO *[carbon* **monoxide**] hypoxia on isolated hearts [Dogs]. 023463
Effect of **native** *carbon* sources and pH [hydrogen-ion concentration] on the pectolytic enzymes of Alternaria solani and Alternaria tenuis. 028078
The effect of various sources of *carbon* and **nitrogen** in an artificial nutrient medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. 026680
Frequency analysis of cyclic phenomena in flowing streams [to monitor concentrations of nutrients, including various species of *carbon,* **nitrogen,** and phosphorus]. 030856
Carbon-13 **NMR** [nuclear magnetic resonance] spectra of some polycyclic triterpenoids [Actea racemosa]. 026844
Carbon-13 **NMR** [nuclear magnetic resonance] spectra of some furanosesquiterpenes, major components of Lindera strychnifolia. 026845
Carbon-13 **nuclear-magnetic-resonance** spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
Investigations on the ecology and physiology of the marine blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C *[carbon]-fixation* under **osmoregulatoric** conditions. 026862
Inhibition of phosphoenolpyruvate carboxylase from C4 *[carbon]* **plants** by malate and aspartate [Digitaria sanguinalis]. 026447
Chloroplast fluorescence of C4 *[carbon]* **plants.** II. A photographic technique for obtaining relative fluorescence yields and spectra photographically [Dichanthium annulatum]. 026802
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 *[carbon]* **plants.** IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Synthesis and *carbon-13* **studies** of malathion acid derivatives. 029112
Interpretation of the **transitory** *carbon* dioxide emission by apple tissues (transition effect) observed after a change in temperature. 027151
Mallotin—a new C32 *[carbon]* **triterpenoid** from Mallotous stenanthus. 026747

CARBONYLS
Unpleasant odors of Alaska pollack. I. Acidic, basic and *carbonyl* **compounds** [Seafood]. 022412
Carbonyl-propylene **glycol** interactions in [cherry] flavor systems. 022497

CARBOXYKINASES
Decarboxylation of oxalacetate to pyruvate by purified avian liver **phosphoenolpyruvate** *carboxykinase.* 023479

CARBOXYL
Novel method for estimating hydrogen-bonded CO2H *[carboxyl]* **groups** in humic substances. 030196
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a **new** amino acid from seeds of Aleurites fordii [Tung tree]. 026746

CARBOXYLASES
Evolution in the genus Avena: inheritance of different forms of ribulose **diphosphate** *carboxylase* [Oats]. 026121
Inhibition of **phosphoenolpyruvate** *carboxylase* from C4 [carbon] plants by malate and aspartate [Digitaria sanguinalis]. 026447

CARBOXYLIC
The formation of *carboxylic* **acids** from wood polysaccharides during kraft pulping. 025472

CARBOXYPEPTIDASES
Endogenous inhibitor of *carboxypeptidase* A from **goat** pancreas. 023436
Endogenous inhibitor of *carboxypeptidase* A from **goat** pancreas. 023437

CARCASS
Variations in the amount, distribution and texture of intramuscular fat within muscles of the **beef** *carcass.* 022671
Further evaluation of conventional and hot-boned bovine longissimus dorsi muscle excised at various conditioning periods **[Beef** *carcasses,* tenderness]. 022681
Live-weight and *carcass* **characteristics** of cattle in Sri Lanka. 022649
Heterosis and management effects in *carcass* **characters** of Angus, Hereford and reciprocal cross cattle. 024091
Comparison of the growth and *carcass* **composition** of purebred Angus and crossbred Hereford-Angus and Friesian-Angus steers [Beef cattle]. 022695
Carcass **composition** and quality of bulls versus steers [Beef]. 022700
A guide to *carcass* **data** service (beef) [Grading]. 021835
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat **deposition** in the *carcass.* 023715
Carcase **evaluation** developments [Pork]. 021956
Feedlot performance and *carcass* **evaluation** of various two-breed cross steers fed at weaning age and as yearlings. 023906
Prediction of **lamb** *carcass* composition by use of indirect measurements. 022721
Comparison of *carcasses* and **meat** from steers, short scrotum bulls and intact bulls. 022667
Effect of rice bran on pig **performance** and *carcass.* 023859
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and Charolais breeds and their crossings. II. Fattening and *carcass* **performances** in males. 024013
Pin-pointing *carcase* quality [Pork]. 021958
Quantitative and **qualitative** *carcass* characteristics of straightbred and reciprocally crossed Angus, Charolais and Hereford steers. 022669
The effect of castration on weight gain and *carcass* **quality** in male fat-tail sheep. 024290
Effects of temperature and level of feeding during rearing on *carcass* and **reproductive** traits in pigs. 023586
Retail *carcass* comparisons of bulls and steers [Beef]. 022705
Grade and yield **[Swine,** *carcasses].* 022655
Relationship of body type to *carcass* **traits** [Cattle]. 022704
Factors affecting feedlot performance and *carcass* **traits** in steers. 023145
Comparison between two methods of selecting 20-month steers for slaughter *[Carcass* **weight].** 022699
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and *carcase* **weight.** 024034
Relationship between leg troubles and movement defects and fattening performance, *carcass* **yield** and retention capacity [Swine]. 024815

CARCINOGENESIS
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the **chemical** *carcinogenesis* with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The behaviour of deoxyribonucleases of rat liver in the course of **diethylnitrosamine-induced** *carcinogenesis.* 025007
Carcinogenicity of the **food** additive furylfuramide in foetal and young mice. 021954
Primary **liver** *carcinogenesis* in rats after feeding with the pesticide, 2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulphite (Aramite). 029090
Occurrence of volatile nitrosamines [known to be *carcinogenic]* in **spice** premixes [Meat products]. 022687
Mutagenic, *carcinogenic* and **teratogenic** effects of pollutants in respect to man. 030951

CARCINOGENS
Reduction of **gastric** *carcinogens* with ascorbic acid [Food leftovers, nitrite]. 021839
Chromosome aberrations induced in rat lymphocytes by N-nitroso compounds as a possible basis for *carcinogen* **screening.** 021955

CARCINOMA
Aural squamous **cell** *carcinoma* in the horse: a case report. 024834
Squamous **cell** *carcinoma* in horses. 024855
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of *carcinomas* and **haemorrhages** of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003

CARDBOARD *see* **FIBERBOARD**

CARDENOLIDES
Spectrophotometric method of analyzing [Digitalis] *cardenolides* of the **strophanthidin** group with 2,2',4,4'-tetranitrobiphenyl. 026497

CARDIAC
Influence of sexual maturation on *cardiac* **activity** and reactivity of Calliphora vomitoria. I. Cardiac activity. 029436
Vasomotor inhibition in rabbits by vagal nonmedullated fibers from *cardiopulmonary* **area.** 023228
The behavior of fetal **canine** *cardiac* cells in culture: synthesis and phosphorylation of myosin. 023384
Cardiac **clinical** semeiology [Dogs]. 024347

Two equine **cogenital** *cardiac* anomalies. 024851
Dense ergastoplasmic granules in the glandular lobe of the locust **corpora** *cardiaca* [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
Cardiac **deficiency** in the dog. 024887
Hemodynamic effects of aerosol propellants. I. *Cardiac* **depression** in the dog. 024998
Analysis of *cardiac* **hypertrophy** in Thai native dogs. 024882
Effects of glucocorticoid administration on the deposition of fat in the *cardiac* **lipids** of rats fed rapeseed oil. 022181
Negative inotropic influence of hyperosmotic solutions on *cardiac* **muscle** [Cats]. 023223
Respiratory sinus arrhythmia: noninvasive measure of **parasympathetic** *cardiac* control [Dogs]. 023471
Notions of *cardiac* **radiology** [Dogs]. 024350
Disorder in *cardiac* **rhythm** [Dogs]. 024890
Cardiac **structure** and function in vitamin B-12-deprived rats. 022135
Phosphatidate phosphohydrolase and palmitoyl-coenzyme A hydrolase in *cardiac* **subcellar** fractions by hyperthyroid rabbits and cardiomyopathic hamsters. 023283
Total *cardiopulmonary* bypass in the rabbit. Techniques and action of pulsatile perfusion pressure frequency on the hemodynamic parameters. 023559

CARDIOCHILES
Isolation, identification and synthesis of host-seeking stimulants for *cardiochiles* **nigriceps**, a parasitoid of tobacco budworm [Heliothis virescens]. 028722

CARDIOVASCULAR
Cardiovascular **analeptics.** 024348
Cardiovascular **effects** of D,L-threo-dihydroxyphenylserine in cats. 023662
Cardiovascular and **endocrine** responses to feeding in the young calf. 023547
Neuroleptanalgesia and *cardiovascular* **function** in the horse. 023390
The **initial** *cardiovascular* responses in the diving duck. 023191
Cardiovascular **physiology** [Dogs]. 023642
Cardiovascular **responses** of the anaesthetized cat to lower body negative pressure. 023322

CARDUUS
Successful biocontrol of musk thistle *[Carduus* **nutans]** by an introduced weevil, Rhinocyllus conicus. 028514
Introduction of a weevil [Rhinocyllus conicus] for biological control of nodding thistle *[Carduus* **nutans].** 028558
Effects of herbicides or mowing on musk thistle *[Carduus* **nutans**] seed production. 028601

CAREERS *see* OCCUPATIONS

CAREX
Shoot morphology and taxonomic position of *Carex* **curvula** All. 025750
The mycoflora of sandy desert soils covered by Bromus tectorum, *Carex* **physodes** and Haloxylon persicum in the Repetek Reservation. 025747

CARIES
Genetic differentiation of the pathogen of wheat bunt **[Tilletia** *caries].* 028012

CARNATIONS
Carnation **[Dianthus** caryophyllus] production timed for flowers in November-December [Hungary]. 027594
The effects of long days on the flowering of **spray** *carnations* [Dianthus caryophyllus varieties]. 027638
Cytology of *carnation* **streak** virus infection [isolated from Silene armeria]. 028225

CARNITINE
Carnitine **content** of pea seedling cotyledons. 027241

CAROTENE
Carotene **content** in blood serum of young Arabian camels in ontogenesis. 023451
Carotene **epoxides** from the Delta tomato mutant. 027242
Carotene **oxidizing** factors in redpepper fruits (Capsicum annuum L.). Ascorbic acid. 022926
Nutritive studies on the utilization of *beta-carotene* in **rats.** 1. Effects of hydrolyzed iodinated-casein on the conversion of beta-carotene into vitamin A. 023718
Santoquin salts as stabilizers of *carotene* **[Vitamins** in feed]. 023086

CAROTENOIDS
Effects of gamma irradiation and storage temperature on *carotenoids* and **ascorbic** acid content of mangoes on ripening. 022949
Kinetin effects on *carotenoids* and **chlorophylls** of Spirodela polyrrhiza (L.) Schleiden under light and darkness. 026701
Variations in chlorophylls and *carotenoids* **content** of the cherry harvested at different stages of growth and ripening. 027237

CAROTID
Development of longitudinal retraction of *carotid* **arteries** in neonatal dogs. 023407
Influences of chronic denervation of the *carotid* **bifurcation** regions on panting in the sheep. 023609
The anatomy, histology and biogenic compounds of the *carotid* **body** of the pig (Sus scrofa). 023178
The effect of cervical vagotomy (decentralization) on the ultrastructure of the *carotid* **body** of the duck, Anas platyrhynchos. 023365
Effects of *carotid* **hypotension** on aortic hemodynamics in the unanesthetized dog. 023207
Electrical behaviour of inner and outer smooth muscle of **sheep** *carotid* artery. 023591

CARP *see* FISH

CARPEL
Postgenital *carpel* fusion in Catharanthus roseus. II. Fine structure of the epidermis before fusion. 026061
Postgenital *carpel* fusion in Catharanthus roseus. III. Fine structure of the epidermis during and after fusion. 026062

CARRAGEENIN
Some histochemical aspects of the *carrageenin* **induced** inflammation [Rats]. 024814

CARROTS
Annotated bibliography on storage of *carrots,* 1970-1974. 022969
Behaviour of phenylalanine ammonia-lyase in *carrot* **cells** in suspension cultures. 027238
Carrots **[culture].** 027714
Release of hydrolytic enzymes from the cell walls of intact and **disrupted** *carrot* callus tissue. 027280
Carrot **fly** [Psila rosae]. 028810
Effect of sodium chloride on rehydration of **freeze-dried** *carrots.* 022931
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, *carrot* **insect** pests]. 028886
Correlation in **mutant** *carrots* and beets. 026285
Carrot **seed** production. I. Effects of plant spacing on yields per plant and per hectare. 027661
Carrot **storage** in rooms with artificially cooled air. 022955
Genotypic and environmental variation in some colour characteristics of *carrots* **[Varieties].** 026082

CARTILAGE
Studies on the **glycosylation** of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and *cartilage* **cells** [Chick embryos, cattle]. 023288

CARTONS *see* CONTAINERS

CARYA
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory [Quercus, *Carya]* **forest** in Missouri. 029287
Carbohydrate relations of pecan *[Carya* **illinoensis** (Wang.) K. Koch) stem cuttings. 027107
Concentration dependencies of ethylene on shuck dehiscence and fruit and leaf abscission of *Carya* **illinoensis** [Wang.] K. Koch. 027188
Pecan *[Carya* **illinoiensis]** varieties for Georgia. 027815
Pecan tree *[Carya* **pecan]** in Tadzhikistan. 027845
A strange aphid form [Monelliopsis nigropunctata from leaves of *carya* **tomentosa].** 029653

CARYOPHYLLACEAE
Centrosperm studies. 8. Contribution to the morphology, anatomy and systematic position of Gymnocarpos Forsk. and Paronychia argentea **Lam.** *(Caryophyllaceae).* 025616
Pollen systematic studies of the genus **Silene** L. *(Caryophyllaceae).* 025622

CASEIN
Partial fractionation of whole *casein* by **affinity** chromatography. 022614
Adsorption of *casein* on **arginine-agarose** column with Langmuir-type isotherm. 022593
Copper requirement of baby pigs on *casein* **diets.** 023887
Nutritional and chemical changes in **heated** *casein.* III. A comparison of the alkali-soluble and insoluble fractions. 022596
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of **hydrolyzed** *iodinated-casein* on the conversion of beta-carotene into vitamin A. 023718
Cold-disaggregation of the *casein* **micelles** in heated concentrated whey protein-free milk. 022558
Degradation of *casein* during the **ripening** of cheddar cheese. 022627
In vitro and mouse evaluation of methods for protecting whey protein and *casein* from **ruminal** degradation. 023508

CASHEW *see* NUTS

CASSAVA
Cassava and **cassava** leaf as meal for broilers and growers. 023834
Hydrocyanic (HCN) toxicity in broilers fed diets **containg** *cassava.* 024987
Method to **increase** *cassava* protein for broilers. 023840
Manioc **leaf** meal in poultry diets. 023722
Cassava and *cassava* **leaf** as meal for broilers and growers. 023834
Failure of Bemisia tabaci to breed on *cassava* **plants** in Brazil (Homoptera: Aleyrodidae). 028828

CASSIA
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a seed predator of *Cassia* **grandis** L. (Caesalpiniaceae) in Central America. 025801

CASTANEA
Contributions to topological study of chestnut *[Castanea]* **stands** on the hill piedmonts of Baia Mare. 025226
Hydrocarbon repellents isolated from **Tribolium** *castaneum* and Tribolium confusum (Coleoptera: Tenebrionidae) [Flour beetles. 028967
Red flour beetle **[Tribolium** *castaneum]:* populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983

CASTE
Caste **determination** through a queen influence on diapause in larvae of the ant Myrmica rubra. 029327
Contribution to the study of Melipona beecheii B. (Hymenoptera, Apidae), a bee of Mexico: *caste* **determination** in the Meliponini. 029740

CASTOR
Crown-gall [Agrobacterium tumefaciens] on *castor* **bean** leaves. V. Effect of light and chlorophyll content on tumour initiation. 028130

CASTRATION
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and fattening of *castrated* **male** pigs. 023872
The effect of *castration* on **weight** gain and carcass quality in male fat-tail sheep. 024290

CASUARINA
Strain variations among Fomes durissimus Lloyd [Swietenia mahogani, *Casuarina* **equistetifolia,** Mimusops elengi, India] attacking different host wood. 027887
The influence of soil composition on the vegetation of the Coolac Serpentinite Belt in New South Wales *[Casuarina* **stricta,** Ricinocarpos bowmanii, Xanthorrhoea australis]. 030251

CATALASES
Cytochemical localization of *catalase* **activity** in methanol-grown Hansenula polymorpha [Yeasts]. 026377
Microbody of methanol-grown yeasts [Saccharomyces cerevisiae]. Localization of *catalase* and **flavin-dependent** alcohol oxidase in the isolated microbody. 026554
The location of *catalase* and **peroxidase** in isolated pea chloroplasts and their fragments. 027135
Multiple molecular forms of *catalase,* **peroxidase** and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). 028276

CATALPA
The chinone and pulp relation in higher plants. IV. The biosynthesis of catalpalacton and catalponol in wood of *Catalpa* **ovata.** 026522

CATALYSIS
Catalytic **dechlorination** of organochlorine [pesticide] compounds. I. DDT. 029086
Formation of transient complexes in the glutamate **dehydrogenase** *catalyzed* reaction [Beef liver]. 023297
Purification and properties of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a **dual** *catalytic* function in amylose-branching enzyme. 027171
Studies on the **oxidative** *catalytic* activity of vitamin B12. VIII. Inhibition of papain by vitamin B12 in the presence of thiol compounds. 022212
Studies on the **oxidative** *catalytic* activity of vitamin B12. IX. Inhibition of yeast alcohol dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213
Regulation of *ferredoxin-catalyzed* **photosynthetic** phosphorylations [Chloroplasts, spinach]. 027281
Studies on the hydrolysis reaction of model substances of cellulose in the presence of a **polymeric** *catalyst* 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
Catalytic **processes** in the field of industrial fatty acid products. I. 022427
Thermal and *catalytic* **purification** of effluent air [Food processing industry]. 030896
Catalysis by **serine** proteases and their zymogens. A study of acyl intermediates by circular dichroism [Aspergillus oryzae, fungi]. 026401
Isomerization of resin turpentine without pinene on a **titanium** *catalyzer* in the liquid phase. 025310
The kinetics of isomerization of delta 3-karene in the presence of a **titanium** *catalyst.* 025347
Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten **type** *catalytic* behaviour of poly(vinyl alcohol-co-

Photodynamic inactivation of virion-associated RNA transcriptase of rice dwarf **virus** *catalyzed* by azure B and its therapeutic effect on infected plants. 028242

CATARACTS
Effects of selenium, chromium and antioxidants on growth, **eye** *cataracts*, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182

CATCHMENT
Protection forests of the **Wairau** *catchment*. 025055

CATECHINS
The phenolics of fruits. VI. The phenolics of currants, gooseberries and blueberries. Changes in phenolic acids and *catechins* during **development** of black currants. 023004
The phenolics of fruits. VII. The phenolics of cherries and plums and the changes in *catechins* and **hydroxycinnamic** acid derivatives during the development of fruits. 023006
The effect of nitrogenous nutrition [fertilizers] on the formation and accumulation of *catechins* in **tea** leaves in relation to irrigation under the conditions of Imeretia [USSR]. 030537
Modification of *catechins* during **thermal** processing of catechin-type wines. 022995

CATECHOLAMINES
Role of *catecholamines* in **photoperiodically-induced** gonadal development in Coturnix quail. 024038

CATECHOLS
The relative importance of monoamine oxidase and *catechol-O-methyl* **transferase** on the physiologic response to administered norepinephrine in the turkey. 023382

CATERPILLARS
Control of **porina** *caterpillar* [Wiseana] with leptophos [Pastures]. 028775
Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the western **tent** *caterpillar*, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924
Nomuraea rileyi [Fungi] attacking the **velvetbean** *caterpillar*, Anticarsia gemmatalis [pest of soybeans] in Parana, Brazil [Natural control]. 028740

CATFISH
Catfish: **composition,** utilization, and storage stability. 022532
Catfish **farming.** 023111

CATHARANTHUS
Postgenital carpel fusion in *Catharanthus* **roseus.** II. Fine structure of the epidermis before fusion. 026061
Postgenital carpel fusion in *Catharanthus* **roseus.** III. Fine structure of the epidermis during and after fusion. 026062

CATHETER
Advanced coronary atherosclerosis in swine produced by combination of *balloon-catheter* **injury** and cholesterol feeding. 024837
Rapid estimation of pulmonary extravascular water with an **instream** *catheter* [Dogs]. 023469

CATIONS
Ion exchange removal of carbonates from saline calcareous soils prior to determination of *cation-exchange* **capacity** using 89Sr++ [strontium ions]. 030341
Cationic **dependency** of high affinity prostaglandin F2alpha receptors in bovine corpus luteum cell membranes. 024037
Determination of *cation* **exchange** capacity of clays as influenced by ion species. 030305
Correlation of specific surface area of soils according to the BET theory with *cation* **exchange** capacity, water content at the suction of 15 atmosphere pressure. 030378
Effect of the sequence of addition of potassium and ammonium and **preadsorbed** *cations* on fixation of applied ammonium ions in soils. 030239
A study of the action of the *cationic* **proteins** from rabbit polymorphonuclear leucocytes on the staphylococcal cell membrane [Staphylococcus aureus]. 023316
Effect of *cation* **saturation** and air-drying of samples on the diffractogram obtained from parallel-oriented specimen [Clay minerals]. 030307

CATS
Vasopressin release by nicotine: the site of **action** *[Cats].* 023336
Studies of some twitch and fatigue properties of different motor unit types in the ankle muscles of the **adult** *cat*. 023188
Backward placing in intact kittens and **adult** *cats*. 023546
The use of megasterol acetate for treatment of feline endrocrine alopecia **[Altered** *cats].* 024908
Deficits in binocular depth perception in *cats* after **alternating** monocular deprivation. 023652
Cardiovascular responses of the **anaesthetized** *cat* to lower body negative pressure. 023322
The effects of lysergic acid diethylamide on the response to field stimulaton of the rat vas deferens and the rat and *cat* **anococcygeus** muscles. 023333
Mesenteric **baroreceptors** *[Cats].* 023221
Histamine receptors in peripheral vascular **beds** in the *cat*. 023325
A method for the continuous study of net water transport in the feline small **bowel** *[Cats].* 023179
Disinfectant effects of several chemicals against Toxoplasma oocysts *[Cats,* **chickens].** 024627
Meningitis and granulomatous **chorio-ependymitis** in *cats*. 024715
Erythrocyte sedimentation rate in the dog and *cat:* **comparison** of two methods and influence of packed cell volume, temperature and storage of blood [Veterinary hematology]. 024333
Slow respiratory stimulant effect of hyperoxia in chemodenervated **decerebrate** *cats*. 023473
Evidence for direct projections from the hypothalamus to the lateral geniculate and occipital cortex of the *cat* as **demonstrated** by horseradish peroxidase technique. 023409
Suppression of cerebellar evoked potentials by a peripheral action of **diphenylhydantoin** *[Cats].* 023264
Cardiovascular effects of **D,L-threo-dihydroxyphenylserine** in *cats*. 023662
Prostaglandin release from *cat* and **dog** spleen. 023328
Fractures of the distal femur in the **dog** and *cat*. 024976
Skeletal buffering of acute metabolic acidosis **[Dogs,** *cats].* 023226
Infectious diseases of the intestinal tract: the secret of coccidiosis is further revealed [Sarcocystis fusiformis, *cats,* **dogs].** 024745
Cuprimyxin, a new topical antibiotic **[Dogs,** *cats].* 024777
Closed-wound irrigation of compound and contaminated fractures as a preventive and treatment for osteomyelitis **[Dogs,** *cats].* 024927
Population genetics of Marseilles' **domestic** *cats*. 024017
Observations on the appearance of estrus in the **female** *cat* and dog. 024111
A case of chondrosarcoma in a **female** *cat*. 024860
Virus inactivation by ethylene oxide containing **gases** *[Cats].* 024402
Chemical stimulus determinants of *cat* **geniculate** ganglion chemoresponsive group II unit discharge [Taste]. 023370
Pathogenicity for several laboratory animals of Toxoplasma oocysts originated from naturally **infected** *cats*. 024656
Modulation of the photically evoked potentials in the motor cortex of *cats* by **influences** of the somatosensor system and reticular formation. 023175
Orthopaedic disease affecting the pelvic region of the *cat* **[Injuries].** 024977
Backward placing in **intact** *kittens* and adult cats. 023546
Junctions in the central nervous system of the *cat*. IV. **Interendothelial** junctions of cerebral blood vessels from selected areas of the brain. 023361
Oxygen supply and uptake in the liver and the **intestine** *[Cats].* 023610
Junctions in the central nervous system of the *cat*. V. The **junctional** complex of the pia-arachnoid membrane. 023362
An unusual case of dilatation of the esophagus in a *cat* **[Lymphosarcomas,** feline leukemia virus]. 024367
Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, liver function, and hepatic **metabolism** in *cats*. 023183
Postural adjustment associated with **movement** in the *cat*. 023353
Negative inotropic influence of hyperosmotic solutions on cardiac **muscle** *[Cats].* 023223
The process of survival of denervated and freely autotransplantated skeletal **muscle** *[Cats].* 023412
The postnatal development of some twitch and fatigue properties of single motor units in the ankle **muscles** of the *kitten*. 023192
Rubrospinal control of static and dynamic fusimotor **neurones** *[Cats].* 023187
The role of extracellular Ca2+ [calcium ions] and cyclic nucleotides in the mechanism of enzyme secretion from the *cat* **pancreas.** 023613
Post-natal developmental changes in the length-tension relationship of *cat* **papillary** muscles. 023552
Panel report: internal **parasites** in *cats*. 024647
Autoradiographic demonstration of the innervation of the tooth and the **parodont** *[Cats].* 023349
Feline viral rhinotracheitis in Japan—isolation of herpes type virus and pathologic **picture** *[Cats].* 024630
Light-dark discrimination and reversal learning in early **postnatal** *kittens*. 023385
The effects of histamine and some histamine-like agonists on blood **pressure** in the *cat*. 023331
Lipid A fever in *cats* **[Produced** by the endotoxin of Shigella dysenteriae]. 024612
Correlation between ultrastructure and histochemistry of mammalian intrafusal muscle fibres *[Cats,* **rabbits,** rats]. 023548
Mixed infection with Paragonimus miyazakii and other species in an experimental host [Dogs, *cats,* **rats].** 024623
Evidence for direct projections between the ponto-mesencephalic tegmentum and the visual cortex in the *cat* as **revealed** by the horseradish peroxidase technique. 023350
The in vivo metabolism of [14C [carbon isotope]] histamine during pentagastrin-stimulated acid **secretion** in the *cat*. 023555
The release of pancreatic glucagon and inhibition of insulin in response to stimulation of the sympathetic innervation [Dogs, *cats,* **sheep].** 023556
The effects of fusimotor stimulation during small amplitude stretching on the frequency-response of the primary ending of the mammalian muscle **spindle** *[Cats].* 023554
Two phases of chorda-lingual induced vasodilatation in the *cat's* **submandibular** gland during prolonged perfusion with Locke solution. 023557
Aujeszky's disease in the dog and *cat* in **Switzerland.** 024714
Receptive fields of *cat* **taste** fibers. 023371
Stimulation of intestinal smooth muscle by atropine, procain1, and **tetrodotoxin** *[Cats].* 023227
Salmonellosis in a human infant, a *cat,* and **two** parakeets in the same household [Salmonella typhimurium copenhagen]. 024586
Leucodystrophic lesions in the brain of **young** *cats*. 024903

CATTLE
Use of all relatives in intraherd prediction of breeding values and producing **abilities** *[Cattle].* 024103
Research on the familial occurrence of leftside displacement of the **abomasum** in *cattle*. 024826
Beef production from untreated silage and silage treated with a mixture of formalin and formic **acid** *[Cattle].* 023826
Contribution to the treatment of udder lesions and teat wounds in *cattle* with **Actihaemyl.** 024994
Do **Africander** *cattle* breeders attach too much importance intheir selections to characters which are not associated with production? 023971
The Brown **Alpine** *cattle* breed. 024068
The relationship of rostral tooth development to age in a group of *Aberdeen* **Angus** cross Friesian steers. 023344
Lutela regression in domestic **animals** *[Cattle].* 023990
Ovulation and endocrine response after LH-RH [luteinizing hormone-releasing hormone] in domestic **animals** *[Cattle].* 023993
Antebellum *cattle* herding in the Indian territory. 023115
Isolation and identification of Mycoplasma agalactiae subsp. Bovis from **arthritic** *cattle* in Iowa and Nebraska. 024589
Naturally occurring and experimentally induced mycoplasmal **arthritis** of *cattle*. 024591
Australia's *cattle* problem: low prices, larger herds [Demand]. 021522
Use of **Ayrshire** *cattle* for cross-breeding. 024271
In the *[cattle]* **barn** odors are intense. 030846
Building designs and equipment for *[cattle]* **barns.** 029950
Cattle **barns** and their mechanization [Designs]. 029954
Will it pay to feed concentrates to overwintering **beef** *cattle?* [Returns]. 021390
Financial aspects of **[beef** *cattle]* feedlot management in New Zealand. 021428
Methods of **beef** *cattle* production in the U.S.A. 3. Balance and critical study of the American system [Costs and returns]. 021440
Comparison of the growth and carcass composition of purebred Angus and crossbred Hereford-Angus and Friesian-Angus steers **[Beef** *cattle].* 022695
Retail carcass comparisons of bulls and *steers* **[Beef].** 022705
The role of trees [as windbreaks] in improving energy utilization by **beef** *cattle* [Housing]. 023116
Beef *cattle* research, Fort Reno. 023148
Effects of hemiacetal of chloral and starch on the performance of **beef** *steers* [Cattle metabolisms]. 023454
Influence of birth date and dam's age on early growth in **beef** *cattle*. 023619
Serum alkaline phosphatase isoenzymes in **beef** *cattle*. 023637
Purdue research applied to finishing **beef** *cattle*. 023738
Effect of the rearing in mountainous regions on the productivity of **beef** *cattle*. III. Results of the fattening experiments. 023780
Feed intake and growth in New Zealand feedlots **[Beef** *cattle].* 023828
Nutrition of feedlot **beef** *cattle* in New Zealand. 023830
Utilization of sugarcane leaf and poultry manure in **beef** *cattle* rations. 023846
Studies on all season management of **beef** *cattle* with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their compensational growth in spring. 023875
The wheat plant for cows [Pastures, **beef** *cattle].* 023910
New method of liquid feeding of **beef** *cattle*. 023917
Problems of linebreeding and crossbreeding **beef** *cattle*. 024028
An objective method for evaluating Angus and Hereford sperm motility **[Beef** *cattle].* 024083
Presenting beef information [use of artificial insemination in **beef** *cattle*, progeny test]. 024169
A genetic analysis of postweaning gain in *Herefords* **[Beef** cattle]. 024191
Can **beef** *cattle* be artificially inseminated at preset times? 024210
How rapidly can growth rate be increased in **beef** *cattle* by selection? 024211
Results of the first step in establishing **beef** *cattle* on the Polivanovka Experimental Farm. 024247
Effect of anthelmintic and selenium drenching on live-weight gain in young **beef** *cattle*. 024652
Observations on a herd of **beef** *cattle* maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. 024739
Epiphysitis in **beef** *cattle* fattened on slatted floors [Lameness]. 024914
A complete forage plan for Wisconsin livestock [Range management, **beef** *cattle].* 027346
Interaction of trypsin with trypsin inhibitor from cow colostrum *[Cattle,* **biochemistry].** 023309
Test of shortening the biological rearing time of *cattle* after **birth** by laparotomy under practice conditions. 024230

Productive performance of Japanese **Black** *cattle* in Kagoshima prefecture. 024047
A review of **bloat** in *cattle*. 024899
Nucleosides and nucleotides of the cold acid-soluble portion of the **blood** of *steers*. 023456
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, **bone**) of *cattle*. 023251
Host resistance to cattle tick (Boophilus microplus) in *Brahman* (**Bos** indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
Charolais X **Brahman** cattle. 024201
Unreliable advertisements relating to the *cattle* **branch**. 021575
The use of prostaglandins in *cattle* [**breeding**]. 024010
The Beef Substation [of the University of Arkansas, Agricultural Experiment Station, *cattle* **breeding**]. 024030
Artificial **breeding** [of *cattle*]. 024200
Protein content of milk, an important characteristic in *[cattle]* **breeding**. 024269
Possible designs of modern farms for *cattle* **breeding** [Buildings]. 029898
Veal productivity of calves of dairy and beef-dairy *[cattle]* **breeds** in conditions of industrial technology [Costs, returns, meat composition]. 021460
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and *Charolais* **breeds** and their crossings. II. Fattening and carcass performances in males. 024013
The use of dentition to determine age in **British** *cattle*. 023099
Some animal diseases found in slaughterhouses *[Cattle,* **buffaloes,** swine]. 024346
A biochemical and serological study of strains of Pasteurella multocida associated with haemorrhagic septicaemia in *cattle* and **buffaloes** in Sri Lanka. 024499
Nigeria to import meat, **build** *cattle* sector. 021549
Dermoid cystectomy on nictitating membrane in a *Hariana* **bull** calf. 024316
Episodic secretion of growth hormone in *steers* and **bulls:** an anaylsis of frequency and magnitude of secretory spikes occurring in a 24 hour period. 023630
Comparisons between the dual-purpose Norman breed, the specialized **Canadian** *Holstein* and Charolais breeds and their crossings. II. Fattening and carcass performances in males. 024013
Observations on the behaviour of the Mithan (Bibos frontalis Lambert 1837) in **captivity** *[Cattle]*. 023249
The heart of the matter *[Cattle]*. 4. 023106
Fatty acid composition of adipose tissue of *Jersey* **cattle** during growth and development. 023452
Partial milk yield and age at first calving as the measures to predict lactation yield in *Jersey* **cattle**. 024081
Charolais X *Brahman* **cattle**. 024201
Influence of *Holstein-Friesian* [**cattle**] mating on first lactation performance under various environmental conditions. 024235
Progressive ataxia of *Charolais* **cattle**. 024825
The economic aspect of spastic paresis of the hind legs of *Friesian* **cattle**. 024917
Normal hematological parameters in *cattle* of the **Central** Belgian Blue, West Flemish Red and East Flemish Red Pied breeds. 023239
Progressive ataxia of **Charolais** *cattle*. 024825
Contribution to the treatment of ovarian cysts in *cattle* with **chorionogonadotropin** suspended in oily progesterone. 024228
Cattle **chute**—adjustable type. 029957
Experimental studies on bracken poisoning of *cattle:* **clinical** findings and blood figures. 025002
The machine's role in mastitis **control** *[Cattle]*. 024504
The horn fly [Haematobia irritans]: methoprene in drinking water of *cattle* for **control**. 029028
Results and knowledge obtained from measuring floor **coverings** for *cattle*. 029908
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral blood plasma of the **cow** *[Cattle]*. 024138
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by *jersey* **cows** grazing Setaria anceps cv. Kazungula swards. 023698
The effect of different planes of nutrition during growth on the productivity of *Holstein* **cows**. 3. Growth to the first calving of two groups at the same body weight. 023877
The effect of different planes of nutrition during growth on the productivity of *Holstein* **cows**. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878
The effect of winter feed levels of reproductive performance of beef **cows** and *heifers*. 023908
The relationship of rostral tooth development to age in a group of Aberdeen Angus **cross** *Friesian* steers. 023344
Feedlot performance and carcass evaluation of various two-breed **cross** *steers* fed at weaning age and as yearlings. 023906
Problems with the exotic **cross** *[Cattle]*. 024042
Heterosis and management effects in postweaning growth of Angus, Hereford and reciprocal **cross** *cattle*. 024090
Heterosis and management effects in carcass characters of Angus, Hereford and reciprocal **cross** *cattle*. 024091
Comparison of the growth and carcass composition of purebred Angus and **crossbred** *Hereford-Angus* and Friesian-Angus steers [Beef cattle]. 022695
Effectiveness of selection for growth rate in Zebu X British **crossbred** *cattle*. II. Post-weaning growth and genetic estimates. 024032
Synchronization of oestrus in *heifers* and **cyclic** cows with progestagens and prostaglandins analogues alone or in combination. 024000
Macro- and microscopic examinations on the effect of a synthetic gonadotrophin releasing hormone (GnRH) in *cattle* with **cystic** ovaries. 024274
Large **dairy** *cattle* industry in Canada and the United States; report of a study trip in 1974 [Management]. 021325
The economics of using artificially dried green crops in milk production [**Dairy** *cattle,* feeding costs]. 021410
Reduction of expenditures in the **dairy** *cattle* industry. 021452
Development of the **dairy** *cattle* farming in the north Rhine area. 023107
Maintenance people, number one influence factor in animal husbandry [**Dairy** *cattle]*. 023165
Behavior adaptation of **dairy** *cattle* in various free stall systems. 023587
Thyroid activity as a selection criteria in animal breeding [**Dairy** *cattle]*. 023659
Effects of feeding nitrates to **dairy** *cattle*. 023695
Physiological bases of **dairy** *cattle* feeding on farms with high fertilizer application and intensity of feed utilization. 023703
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production [**Dairy** *cattle]*. 023723
Feed now—or pay later [**Dairy** *cattle]*. 023726
Trace minerals are top nutrition insurance [**Dairy** *cattle]*. 023728
Winter feeding of lactating cows [**Dairy** *cattle]*. 023729
Dairy *cattle*—providers, not users—of human food [Feeding]. 023740
Economical winter feeding of **dairy** *cattle*. 023742
Formaldehyde treated whey protein concentrate for lactating **dairy** *cattle*. 023767
Effect of protected lipid feeding on milk composition [**Dairy** *cattle]*. 023815
Effects of changes in forage-concentrate ratios of complete feeds on **dairy** *cattle*. 023816
Feeding corn silage plus manure from caged layers or dairy cows as total mixed rations for **dairy** *heifers*. 023819
Forage systems for **dairy** *cattle*. 023932
Fertility of estrus synchronized **dairy** *heifers* treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Records aid in reproductive management [**Dairy** *cattle]*. 024061
Anestrus in **dairy** *cattle*. 024062
Estrus detectors [**Dairy** *cattle]*. 024063
On the relation between milk production and fertility in Kibbutz **dairy** *cattle* herds. 024085
Selection of **dairy** *cattle* for overall excellence. 024102
An economic evaluation of different selection alternatives as means for improvement of milk protein yield [**Dairy** *cattle,* genetics]. 024152
Learning device in pedigree evaluation [**Dairy** *cattle]*. 024167
Sire selection Canadian style: the Canadian production system [**Dairy** *cattle]*. 024172
Hormonal changes around bovine luteolysis [**Dairy** *cattle]*. 024199
Problems in artificial insemination and conception in **dairy** *cattle*. 024221
Profitable breeding plans [**Dairy** *cattle]*. 024222
Development of the Jamaica Hope breed of **dairy** *cattle*. 024249
Increasing the productivity of **dairy** *cattle* on a state farm [Artificial insemination]. 024267
Examination of problem mastitis herds in Ohio [**Dairy** *cattle]*. 024466
Facial eczema on a Taranaki farm [**Dairy** *cattle,* sheep]. 024505
Facial eczema—the importance of litter and control [**Dairy** *cattle]*. 024506
Mastitis detection [**Dairy** *cattle]*. 024507
Mastitis [Control, **dairy** *cattle]*. 024508
CMT [California Mastitis Test], your tool for detecting subclinical mastitis [**Dairy** *cattle]*. 024521
Serological inquiry in the province of Quebec on leptospirosis in **dairy** *cattle*. 024707
Left abomasal displacement, a retrospective study of 315 cases [**Dairy** *cattle]*. 024824
Milk fever is a constant threat [**Dairy** *cattle]*. 024833
Hypocuprosis [deficiency of copper] in **dairy** *cattle* in Northland. 024881
Two **dairy** *cattle* per forage acre [Pasture management]. 027446
Present solutions for housing **dairy** *cattle*. 029952
Free-stall housing for **dairy** *cattle*. 029953
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on **dairy** *cattle]*. 030423
Experiences in Great Britain on pregnancy diagnosis of *cattle* with help of **determining** milk progesterone. 024233
Pathogenicity for *cattle* of **Dictyocaulus** filaria, the pathogen of lungworm infestation in sheep. 024772
Performance of individually fed bulls and *steers* [**Dietary** fat]. 023636
Hay preservation and quality improvement by anhydrous ammonia treatment [**Digestibility,** *cattle]*. 023012
Mid-piece abnormalities in bovine semen following experimental and natural cases of bovine ephemeral fever [a viral **disease** of *cattle]*. 024476
The predominance of Trypanosoma vivax infections of *cattle* at a **distance** from savannah tsetse [Glossina] concentration. 024742
Free amino acids in the amniotic fluid of different types of placenta *[Cattle,* **dogs,** rats]. 024251
Interpretation of total and differential leukocyte counts [**Dogs,** *cattle]*. 024305
Small devices make self drinking perfect *[Cattle* **drinking** troughs]. 029928
Studies on feeding level for **dry** *cattle*. 023936
Influence of some dipterous [Musca domestica] larvae on nitrogen loss from *cattle* **dung**. 029011
Influence of other insects on production of horn fly, Haematobia irritans (Diptera: Muscidae), from *cattle* **dung** in south central British Columbia. 029282
Effects of *cattle* **dung** and dung beetle [Onthophagus nuchicornis] activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434
A cold precipitable fibrinogen complex in the plasma of *cattle* **dying** from infection with Babesia argentina. 024787
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen **galactosyltransferase** and collagen glucosyltransferase in tendon and cartilage cells [Chick **embryos,** *cattle]*. 023288
The absentee gardener [in *Jersey,* **England**]. 027769
AI beef management with prostaglandin F2alpha controlled **estrus** *[Cattle]*. 024192
Control of ovulation, fertility and endocrine response after prostaglandin **F2alpha** in *cattle*. 023980
Shares instead of *cattle?* [**Farm** finance]. 021386
Methodological problems in cost calculation in *cattle* **farming** [Argentina]. 021364
Zootechnical and physiological evaluation of **fattening** *cattle* on platforms [Body heat losses]. 023682
Cattle **fattening** in conditions of large scale production technology. 023793
The Fort Reno beef research program [**Fattening** *cattle]*. 023909
Fattening *cattle* in confinement. 023915
Area housing for young and **fattening** *cattle*. 029918
Slatted floor bays for young and **fattening** *cattle*. 029927
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of *cattle* **fed** beet pulp. 023576
Change in nitrogen concentration in chyme of the small intestine in *steers* **fed** various dosages of urea. 023942
Types of *cattle* to **feed** in relation to the needs of markets. 023833
Chewing time and volatile fatty acid production in *steers* [**Feed** roughage]. 023856
Cattle **feeding** economies of size revisited. 021257
Reserves for increasing beef production *[Cattle* **feeding,** breeding]. 023173
The "meat plan": From the law to the barn *[Cattle,* **feeding**]. 023922
The "meat plan: From the law to the barn *[Cattle,* **feeding**]. 023923
Influence of shading on production of midwest **feedlot** *cattle*. 023167
Beef *[cattle]* **feedlotting**—a discussion paper [Financial management]. 021314
Preparation and use of briquet and granular **feeds** *[Cattle]*. 023961
Effect of long- and short-term intravaginal progestagen treatments on shychronization of oestrus and **fertility** in *heifers*. 024117
Epidemiology of salmonellae [in *cattle]* and **fertilizing** of grassland with sewage sludge. 030572
High crude-fiber rations for **finishing** *cattle*. 023719
Immunoglobulin class specificity of non-agglutinating antibody produced in *cattle* **following** Brucella abortus 45/20 vaccination. 024431
Humoral antibody response to *cattle* to **formalinized** Staphylococcus aureus vaccine. 024496
Genetic aspects of protein content and protein fractions in milk. II. Protein **fractions** *[Cattle]*. 024282
Behavior of *cattle* in the **free** state. 023651
The relationship of rostral tooth development to age in a group of Aberdeen Angus cross **Friesian** *steers*. 023344
Control of the oestrous cycle in **Friesian** *heifers* with ICI 80,996, a synthetic prostaglandin analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
Possibilities for crossbreeding in dual purpose cattle: *Holstein* **Friesian** X Black Pied. 024289
The economic aspect of spastic paresis of the hind legs of **Friesian** *cattle*. 024917
Comparison of the growth and carcass composition of purebred Angus and crossbred Hereford-Angus and **Friesian-Angus** *steers* [Beef cattle]. 022695
Effect of cubing or baling alfalfa on rumen **function** *[Cattle]*. 023858
A study of outbreaks of Aujeszky's disease in *cattle*. II. **Further** investigations on the routes of infection. 024397
Trials to induce an acquired immunity against infestation by Fasciola **gigantica** *[Cattle]*. 024644
The mode of secretion of the sebaceous **glands** of *cattle*. 023342
Evaluation of irrigated pasture species [Festuca arundinacea, Agropyron elongatum, Dactylis **glomerata,** *cattle]*. 023861

Gastrin activity along the gastrointestinal tracts of some ruminants and the donkey *[Cattle,* **goats,** sheep]. 023416
Estimation of the concentration of urea in the blood of horses, *cattle,* **goats** and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
Isolation of foot-and-mouth disease virus from recovered animals *[Cattle,* **goats,** sheep, buffaloes]. 024564
1975 proceedings, Nevada/California beef conference *[Cattle* **grazing,** pasture management]. 027489
Labile nitrogen reserves in the ruminant. Metabolic changesin **growing** *cattle* employing a nitrogen depletion-repletion treatment. 023536
Labile nitrogen reserves and plasma nitrogen fractions in **growing** *cattle.* 023537
An assessment of essential amino acid requirements of **growing** *steers.* 023757
Effects of ammonium perchlorate on *cattle* **growth** and meat quality. 023956
Animal health considerations involved in the movement of U. S. *cattle* to **Haiti** [Infection with Babesia, Anaplasma, and Boophilus ticks]. 024720
Cattle **handling** facilities; the design challenge [Equipment]. 030012
Studies on all season management of beef cattle with the non-pen system. 2. Winter feeding of *heifers* with only a **hay** supply and their compensational growth in spring. 023875
The role of blood profiles in *cattle* **health** problems. 024303
Animal *[cattle]* **health** in a feedlot. 024345
Control of the oestrous cycle in *Friesian* **heifers** with ICI 80,996, a synthetic prostaglandin analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
Breeding of *Hereford* **herd** on the Sonskii state farm. 024258
Conception rates in suckler **herds.** *[Cattle].* 023972
Quantitative and qualitative carcass characteristics of straightbred and reciprocally crossed Angus, *Charolais* and **Hereford** steers. 022669
Feed concentrates for *cattle* with **high** performance. 023733
Crossbreeding "Red **Holstein** *Friesian* X German Simmental" cattle. Preliminary results from Bavaria. 024280
Possibilities for crossbreeding in dual purpose cattle: **Holstein** *Friesian* X Black Pied. 024289
Maternal malnutrition and neonatal growth **hormone** *[Cattle].* 023634
Estrus and ovulation with prostaglandin F2alpha, norgestamet and gonadotrophin releasing **hormone** *[Cattle].* 024197
Costs of grazing *[cattle* and **horses]** on public lands. 021433
The occurrence of Listeria [monocytogenes] encephalitis in *cattle* in loose **housing** after the use of litter infected with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Feedlot facilities *[Cattle,* **housing].** 029970
Analysis models for *polyculture-cattle* **husbandry** enterprises. III. Basic technical-economical data in the Noordelijke Bouwstreek region (Netherlands). 021280
Farther attenuation of the virulence of Brucella abortus 19with preservation of its **immunogenicity** *[Cattle].* 024538
Artificial insemination: fertility and genetic **improvement** *[Cattle].* 024214
Observations on antrycide methyl sulphate toxicity in **Indian** *cattle* and buffaloes. 024962
Nutritive value of neem seed cake (Melia **indica)** *[Cattle].* 023746
Fundamental studies on the etiology of haematuria vesicalis bovis *[cattle].* I. The **induction** of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003
Observations on *cattle* **infectious** keratoconjunctivitis in Ivory Coast. II. Study of the ophthalmotropic lepidoptera as vector. 024641
Summer grazing performance of *cattle* as **influenced** by water stress & trailing. 023146
Advice on local disinfection by **injection** of *cattle.* 024725
Effect of energy on LH [luteinizing hormone] response to consecutive Gn-RH [gonadotrophin releasing hormone] **injections** *[cattle].* 024194
A comparison of methods for measuring forage **intake** *[Cattle].* 023855
Further studies of foot-and-mouth disease virus strains under type group (A) by complement fixation test in **Iran** *[Cattle].* 024548
Synergistic action of tylosin and oxytetracycline against bovine Pasteurella **isolates** *[Cattle].* 024783
Offspring sex ratio in **Japanese** *cattle.* 024142
Fatty acid composition of adipose tissue of **Jersey** *cattle* during growth and development. 023452
Partial milk yield and age at first calving as the measures to predict lactation yield in **Jersey** *cattle.* 024081
Two eyeworms, Thelazia gulosa and Thelazia skrjabini, in *cattle* in **Kentucky.** 024611
Current health problems of *cattle* **kept** in modern conditions [Austria]. 024298
Causes of calcinosis in *cattle* **kept** in the soil-fertilizer-pland-animal system [Poisonous plants, Trisetum flavescens]. 024942
Studies on serological diagnosis of **Korean** *cattle* Babesia strain by the indirect fluorescent antibody test [Babesiosis]. 024695
Effect of protein concentration in the diet on blood composition and productivity of **lactating** *Holstein* cows under thermal stress. 023750
Measures for controlling virus diseases of *cattle* in **large** herds [in Hungary]. 024646
The **Lavinia** *cattle* breed and the environment. 023153
Further studies on the occurrence of antibodies against C-type virus specific antigen in sera of *cattle* from **leucosis-infected,** suspicious and unsuspicious herds. 024797
Studies of leucosis and specific antibodies in sera of **leucotic** *cattle* and sheep by immuno and countercurrent electrophoresis. 024805
Counting the cost of *cattle* **lice.** 029006
Survival of resistant external stages of [livestock] parasites during fermentation of **liquid** *cattle* manure at raised temperatures. 024808
Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy *[Cattle,* **liver** fluke, transmission, snails]. 024653
Meat efficiency of the F11 generation crossbred of the Slovak Spotted cattle with the Black Pied **Lowland** *cattle.* 022713
Vaccine strain 19: its problems in animals *[cattle]* and **man** [Brucella abortus]. 024529
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot *[Cattle,* **manure,** disposal]. 030823
Treating anaplasmosis [Anaplasma **marginale]** in *cattle.* 024503
Effect of five daily intravenous treatments with oxytetracycline hydrochloride on the carrier status of bovine anaplasmosis [Anaplasma **marginale,** *cattle].* 024584
Aspects of *cattle* **marketing** [Brazil]. 021630
Comparative studies on the effectiveness of intrammary treatment of clinical **mastitis** in *cattle.* 024731
Influence of Holstein-Friesian *[cattle]* **mating** on first lactation performance under various environmental conditions. 024235
Influence of pseudocryptorchidism on growth, yield and quality of **meat** *[Cattle].* 023650
Isolation of IBR [infectious bovine rhinotracheitis] virus from a *heifer* with **meningoencephalitis.** 024706
Effects of hemiacetal of chloral and starch on the performance of beef steers *[Cattle* **metabolisms].** 023454
Diaphragm myopathia in **Meuse-Rhine-Ijssel** *cattle* [Decifiency diseases]. 024910
Influence of corticosteroids on the amount and composition of **milk** in *cattle.* 023658
Comparison between two methods of selecting **20-month** *steers* for slaughter [Carcass weight]. 022699
A survey of important characters of Thai **native** *cattle.* 023141
Study on growing and fattening of Korean **native** *cattle* in Jeju. Effects of feeding milk substitute and calf starter to early weaning and suckling calves for growing and fattening. 023881
Antibody survey of infectious bovine rhinotracheitis (IBR) virus in Korean **native** *cattle.* 024685
How two lunch programs save money [in Oklahoma and **New** *Jersey].* 021719
The forest-land owners of **New** *Jersey.* 025169
Growth characteristics of two populations of Pinus rigida Mill. from the pine barrens of **New** *Jersey.* 027315
Digestibility of grain sorghum stover and wheat straw supplemented with NPN [non-protein **nitrogen,** *cattle].* 023857
Serum lipase in **normal** *cattle.* 023430
Observation and investigation of parasitic gastroenteritis (PGE) in *cattle* in the **northeast** [Thailand]. 024676
Sterility *[Cattle,* **nutritional** deficiency]. 024215
Anaplasmosis: treatment and management options available to the veterinarian and herd owner during an acute **outbreak** *[Cattle].* 024465
The use of prostaglandin F2alpha given by either intrauterine infusion or by intramuscular injection for the control ofoestrus and **ovulation** in *cattle.* 024011
Cattle **parasite** control. 024746
Levels of oxytetracycline in the rumen juice of *cattle* after its **parenteral** administration. 023669
Corticosteroid induced **parturition** in *cattle.* 024218
Tara Hills high country survey 1973 [Sheep, *cattle,* **pastures].** 023156
Trojan horse [Haematobia irritans **pests** of *cattle].* 028990
Improvement of Black **Pied** *cattle* at the breeding farm Krasnaia Zvezda. 024266
The water lily, a potential forage **plant** for *cattle.* 023052
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and nitrate **poisoning** *[Cattle].* 023057
Bracken fern [Pteridium] **poisoning** *[Cattle].* 024988
Ceruloplasmin **polymorphism** in *cattle.* 024278
Effect of drying off *[cattle]* **practices** on mastitis infection. 024596
Effectiveness of rearing **pregnant** *heifers* on specialized farms [Costs]. 021456
Minimum concentrate feeding for efficient milk **production** *[Cattle].* 023950
Synchronization and induction of estrus in *heifers* with a **progestagen** and estrogen. 023998
Ovulation control in *cattle* with **progesterone** intravaginal device (PRID) and gonadotropin releasing hormone (GnRH). 023994
The time of ovulation in *heifers* after **progestin** (SC 9880; SC 21009) treatment. 024004
Possibilities for crossbreeding in dual **purpose** *cattle.* 024287
Possibilities for crossbreeding in dual **purpose** *cattle:* Holstein Friesian X Black Pied. 024289
Effect of feed production on economics of *cattle* **raising.** 021817
Feeding value of hardwood sawdust in dairy *[cattle]* **rations.** 023694
Planning low-roughage **rations** *[Cattle].* 023727
Possibilities for cooperating in *cattle* **rearing.** Effects onconstruction planning, work time and capital requirement. 021300
Present and future conditions of *cattle* **rearing** in countries of the central southern part of Asia and in Brasil. 023091
Production management and *cattle* **rearing.** 023119
Heterosis and management effects in postweaning growth of Angus, *Hereford* and **reciprocal** cross cattle. 024090
Heterosis and management effects in carcass characters of Angus, *Hereford* and **reciprocal** cross cattle. 024091
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase [adenosine triphosphatase] in *cattle* **red** cells. 023411
First results of cross-breeding **Red** *Holstein* and Simmental catle. 024234
Crossbreeding "**Red** *Holstein* Friesian X German Simmental" cattle. Preliminary results from Bavaria. 024280
Heritability estimates for milk yield by daughter-dam-regression and problems **related** to it *[Cattle].* 024283
Raising **remontant** *heifers* on different types of feed. 023938
Biological pecularities of embryonic nutrition and the practice of *cattle* **reproduction.** 024257
Nitrogen **requirements** of *cattle.* 023921
Mineral **requirements** of *cattle.* 023960
Host resistance to cattle tick (Boophilus microplus) in Brahman (Bos indicus) *cattle.* I. **Responses** of previously unexposed cattle to four infestations with 20,000 larvae. 028999
The "reticular grunt" test for traumatic **reticulo-peritonitis** *[Cattle].* 024827
Additional note on serum alkaline phosphatase activity in bloat in Zebu *[cattle]* and **ruminal** impaction in buffaloes. 024843
Pathogenesis of fetal infection in **ruminants** *[Cattle].* 024470
A study of outbreaks of Aujeszky's disease in *cattle.* III. **Selected** outbreaks of a special interest regarding epidemiology. 024398
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in *cattle* **serums** using inactivated concentrated foot and mouth disease viral antigens.). 024674
Protein yields from bones destined for processing *[Cattle,* **sheep,** swine]. 022702
Specific gravity estimates of bone composition *[Cattle,* **sheep,** swine]. 022706
Aspects of grazing use in the Pyrenees *[Cattle,* **sheep].** 023155
Chloramphenicol plasma levels in horses, *cattle* and **sheep** after oral and intramuscular administration. 023678
Feeding value of silage from a tillering and a nontillering hybrid corn **[Sheep,** *steers].* 023721
Application of the egg transfer tecnique in *cattle* and **sheep.** 024176
Simplified method for producing permanent ruminal fistulae **[Sheep,** *cattle].* 024321
Movement of feral pigs in North Canterbury, New Zealand [vectors of contagious disease, *cattle,* **sheep].** 024607
Brucellosis [Vaccines, *cattle,* **sheep].** 024681
The serum-gamma-globulin picture in *cattle* and **sheep** with leucosis. 024809
An evaluation of some organophosphate compounds for the control of cattle tick, Haemaphysalis (Kaiseriana) longicornis (Neumann), in **sheep** and *cattle.* 029057
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and urine of **sheep** and *cattle.* 030940
Comparison of carcasses and meat from *steers,* **short** scrotum bulls and intact bulls. 022667
Crossbreeding "Red Holstein Friesian X German **Simmental"** *cattle.* Preliminary results from Bavaria. 024280
Estimation of body weight in pure and crossbred **Sinhala** *cattle* using body measurements. 023367
Hemodyamic and ventilatory effects of **skin-cooling** in *cattle.* 023410
The danger of overloading *[cattle]* **slats.** 029903
Hyperglycemia observed in **slaughter** *cattle.* 024832
An objective method for evaluating Angus and *Hereford* **sperm** motility [Beef cattle]. 024083
Meat efficiency of the F11 generation crossbred of the Slovak **Spotted** *cattle* with the Black Pied Lowland cattle. 022713
Live-weight and carcass characteristics of *cattle* in **Sri** Lanka. 022649
Quantitative and qualitative carcass characteristics of straightbred and reciprocally crossed Angus, Charolais and *Hereford* **steers.** 022669
Comparison of the growth and carcass composition of purebred Angus and crossbred Hereford-Angus and *Friesian-Angus* **steers** [Beef cattle]. 022695
Experiences with a synthetic gonadotropin-releasing hormone in **sterility** *[Cattle].* 024229
Response of teat enzymes of sheep and *cattle* to **stimulation** by stilboestrol and oestrogenic subterranean clover. 024033
Adenosine and diphyridamole actions and interactions on isolated coronary artery **strips** of *cattle.* 023319
Arkansas Dairy *[cattle]* **Study** Day, October 28, 1975. Breeding, Feeding, Management. 023161

Mineral and vitamin **supplementation** of *cattle.* 023870
Summer gain as influenced by winter treatment [Forage, protein **supplements,** *cattle].* 023867
Lameness in *cattle:* a **survey** of 102 cases including history, clinical and radiographic findings, prognosis and treatment. 024301
The feeding value of kale and **swedes** *[Cattle].* 023689
Artificial insemination of *cattle,* **swine** and goats in France in 1974. 024066
The prevalence of sarcosporidiosis [Sarcocystis] in Australian meat animals [Sheep, *cattle,* **swine**]. 024433
Complexes of haemoglobin and hem-protein in sera of mammals. II. Immune electrophoretic researches [**Swine,** *cattle].* 024463
Beef performance of Brown **Swiss** *cattle.* 023117
Crossing Brown **Swiss** *cattle* from USA to Braunvieh from Wurttemberg. 024281
Estrus **synchronization** in *cattle.* 024181
Note on a third allele in th erythrocytic NP [nucleoside phosphorylase] **system** of *cattle.* 023977
The application of artificial breeding as a reproductive **technique** of *cattle.* 024187
Rapid THI [Temperature-Humidity Index] change and hypothalamic-rectal **temperatures** of *heifers.* 023666
Formaline fixed arterial encasement for experimental tenorrhaphy in bovines *[Cattle,* **tendon** injuries]. 024963
Host resistance to *cattle* **tick** (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
An evaluation of some organophosphate compounds for the control of *cattle* **tick,** Haemaphysalis (Kaiseriana) longicornis (Neumann), in sheep and cattle. 029057
Iodine **toxicity** in *cattle.* 024954
Relationship of body type to carcass **traits** *[Cattle].* 022704
Factors affecting feedlot performance and carcass **traits** in *steers.* 023145
Equine ringworm by Trichophyton verrucosum [of a horse **transmitted** from *cattle].* 024628
The use of progestogens in *cattle* under **tropical** or subtropical conditions. 024005
Host resistance to cattle tick (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously **unexposed** *cattle* to four infestations with 20,000 larvae. 028999
Isolation of Mycoplasma dispar from *cattle* in the **United** States. 024467
Studies on milk production in *cattle.* II. **Usefulness** of partial lactation records for selection. Relations between partial, last test day and total yields. 024019
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen **utilization** by *cattle.* 023771
Plant tannins, bloat and nutritive **value** *[Cattle].* 023832
Carcass composition and quality of bulls **versus** *steers* [Beef]. 022700
Application and verification of SPOFA preparations in specific conditions in Algeria *[Cattle,* **veterinary** drugs]. 024381
A study of outbreaks of Aujeszky's disease in *cattle.* I. **Virological** and epidemiological findings. 024396
Lymphosarcoma (leukemia) of *cattle* [**Virus** diseases]. 024468
Possibility of reducing calving difficulties by selection. III. A note on pelvic size in relation to body **weight** of *cattle.* 024018
Digestibility and volatile fatty acids in *steers* and **wethers** at 21 and 32 Celsius ambient temperature. 023506
Ova transfer in Danish blue **white** *cattle.* 023968
Quality of hides and skins of **young** *Hereford* and Simmental hybrids [Properties, composition]. 022720
Test results for rearing **young** *cattle* in open box stalls. 023134
Beef production, fattening **young** *cattle.* Energy supplementation of diets with a maize silage base. 023911
Productivity of **young** *cattle* fed a ration enriched with Propiovit [Costs, returns]. 023963
Serum calcium and magnesium levels during pregnancy and at calving in *heifers* and **young** cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Biochemical diagnosis of degenerative myopathy of early **young** *cattle.* Study of two cases observed in a Lyons slaughterhouse. 024831
Trials of **Zebu** *cattle* fattening based on rice polish in north Cameroon. 023791
Note on artificial insemination of **Zebu** *cattle* in Madagascar after synchronisation of estrus by norethandrolone. 024150
Inhibited development of Cooperia punctata and Cooperia pectinata larvae in **Zebu** *cattle* of Niger. 024639

CATTLEYA
An update on **blue** *Cattleya* breeding. 026080

CAULERPA
Caulerpa **kempfii** Joly et Pereira, a new Caulerpa from northeastern Brazil. 025683

CAULIFLOWERS
Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles [Potatoes, radishes, **beans,** *cauliflower].* 027235
Annotated bibliography on the storage of *cauliflower* and **broccoli,** 1973-1974. 022962
Peculiarities of the biology and agrotechnics of *cauliflower* **[Culture].** 027782
Effect of nitrogen and phosphorus fertilization on seed yield of **late** *cauliflower*—(Brassica oleracea var. botrytis). 030472
Study of fatty acid transfers between liposomes and isolated **mitochondria** of *cauliflowers.* 027236
Hepatic nicrosomal enzyme induction in rats fed **varietal** *cauliflower* leaves. 022138
Fusarium solani on *cauliflowers* in **Victoria.** 027870

CAUSTIC
Duration of the *caustic* **bath** [Brewing]. 022381

CAVES
Arrhopalites slovacicus a new species of Collembola from the **Domica** *cave.* 029672
The geographical differentiation of the *cave* **milliped,** Prionomatis nanaoredense [New taxa]. 029540
Two **new** *cave* millipeds from Kochi Prefecture, southwest Japan [Pterygostegia obliqua, Eparchodus kajimotoi]. 029542

CAYENNE
Effects of fertilizers on fruit length and yield of ratoon **Smooth** *Cayenne* pineapple crop in Sierra Leone. 030396

CECIDOMYIIDAE
The development of the gall midge Lasioptera arundinis (Schiner) (Diptera, *Cecidomyiidae)* on the **common** reed (Phragmites communis Trin.). 028668
Q-, C-, and G-banding patterns in the germ-line and somatic shromosomes of Miastor sp. **(Diptera:** *Cecidomyidae).* 029301
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae **Grover** *(Cecidomyiidae:* Diptera) [mango blossom midge]. 029444

CECROPIA
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of **Hyalophora** *cecropia* and Samia cynthia. 029373
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the silkmoth **Hyalophora** *cecropia* during the larval-pupal transformation. 029725

CECUM
First record of *caecal* **diverticula** in Sagra femorata Drury. **(Sagrinae: Coleoptera).** 029316
Rupture of the *caecum* at **parturition** [Horses]. 024973

CEDARS
The *cedar* **glade** flora of Bullitt County, Kentucky. 025676
Geographical distribution of the *cedar* **glade** endemic Viola egglestonii. 025809
Exposure to an environment containing the aromatic **red** *cedar,* Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683

CEDRUS
Constitution of the sesquiterpenoid, centdarol [from the wood of *Cedrus* **deodara].** 027330

CELERY
Annotated bibliography on the storage of *celery,* 1970-1974. 022964
Celery **hearts** almondine. 022299
Occurrence an incidence of cucumber mosaic virus and alfalfa mosaic virus on *celery* in **Israel.** 028265
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating plant cells [Mung beans, **pea,** *celery].* 026024
Virus concentrations and chlorophyll levels in *celery* **plants** affected by cucumber mosaic virus and alfalfa mosaic virus, after treatment with gibberellin. 028235
Studies on [aster] yellows disease of parsley and *celery* **[Scleroracus** flavopicta, mycoplasma-like organisms]. 028274
Influence of a larvae hostplant (Apium graveolens L. *[Celery])* on the **stimulation** of egg laying and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). 028824

CELLS
Accessory *cells* of the mycetome in the rice weevil, Sitophilus oryzae: post-embryonic development. 028968
Nuclear envelope changes related to *cell* **activation** in Helianthus tuberosus L. [Sunflowers]. 026005
Pallidin. Purification and characterization of a carbohydrate-binding protein from POlysphondylium pallidum implicated in *intercellular* **adhesion** [Fungi]. 026410
Intercellular **adhesive** selectivity. I. An improved assay for the measurement of embryonic chick intercellular adhesion (liver and other tissues). 023494
Intercellular **adhesive** selectivity. II. Properties of embryonic chick liver cell-cell adhesion. 023495
Chromosomal variation, *cellular* **ageing** and resistance to antifolate analogues in a Chinese hamster line. 023272
Mobility of normal and virus-transformed cells in *cellular* **aggregates** [Chick embryos]. 023496
Comparison of phospholipid composition of Aedes aegypti andAedes **albopictus** *cells* obtained from logarithmic and stationary phases of growth. 029442
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes **albopictus** *cells.* 029504
Specific binding of insulin to the *unicellular* **alga** Acetabularia mediterranea. 026821
The varied effects of interferon on **animal** *cells.* 024541
Action of exogenous DNA on the eucaryotic organism and its *cells* **[Animals,** plants]. 024060
Differentiation of **apical** *cells* in callus of Pteris creticaL. cultivated in vitro. Acquistion of secific characters. 025967
Variation of **apical-meristem** *cell* size in mutant peas. 026147
An antigen in normal **avian** *cells* which confuses virological and serological tests [Chickens]. 024454
A study on electrical activity of medial **basal** *cells* in the hypothalamus of the **ewe** following intravenous administration of estrogen. 023347
The Mongolian gerbil: qualitative and quantitative aspects of the *cellular* **blood** picture [Laboratory animals]. 023579
The role of *extracellular* Ca2+ **[calcium** ions] and cyclic nucleotides in the mechanism of enzyme secretion from the cat pancreas. 023613
Photoautotrophic growth and photosynthesis in tobacco **callus** *cells.* 027027
Changes in *cell-wall* **carbohydrates** and lignin of some forage-type millets [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985
The behavior of fetal canine **cardiac** *cells* in culture: synthesis and phosphorylation of myosin. 023384
Behaviour of phenylalanine ammonia-lyase in **carrot** *cells* in suspension cultures. 027238
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and **cartilage** *cells* [Chick embryos, cattle]. 023288
Intercellular adhesive selectivity. I. An improved assay for the measurement of embryonic **chick** *intercellular* adhesion (liver and other tissues). 023494
The mineral nutrition of culture **chlorophyllous** *cells* of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. 026912
Changes in amino acid and peptide compositon of Euglena gracilis [Algae] *cells* during **chloroplast** development. 026796
Changes in *cellular* **composition** during magnesium deficiency [Rats]. 024822
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth **conditions** of *cells.* 026912
Cell **contact** mediated differentiation in Dictyostelium [discoideum]. 026534
The clonal origin of *cells* **contributing** to successive phases of a cyclical immune response [Mice]. 024519
Some studies on the production of goat kidney **cortical** *cell* monolayers. 023368
Intracellular **crystals** in Apis mellifera (Hymenoptera, Apoidea). 029780
Cell **culture** in mycotoxin research [Fungi from foodstuffs]. 021893
Control of growth of mammalian cells in *cell* **culture.** 023590
Purification and study of the antigens of equine infectious anemia virus produced in vivo or in *cell* **culture.** 024495
Studies on the cultivation of an agent of bovine leucosis in bovine leucocyte cultures. 3. Leucosis transmission to calves with *cell-free* **culture** medium. 024806
Binding of polyriboinosinic-polyribocytidylic acid with **cultured** *cells* [Mice, chick embryos, rabbits]. 024419
Recent orientations in the study of insect pathogens in in vitro **cultured** *cells* [Disease vectors, biological control]. 029016
Growth of ovis variety Chlamydia psittaci in *cellular* **cultures** and practical applications [Sheep]. 024703
Biosynthesis of cyanidin in *cell* **cultures** of Haplopappus gracilis. 026726
In vitro growth of tissues and *cells* **cultures** from apple fruits. 027146
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole *cells* and of **cytochrome** c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
Feather-forming and hair-forming of **dermal** *cells* from glabrous skin of birds and mammals [Chick, quail and mouse embryos]. 023351
Cellular **development** and lipid metabolism of lamb adipose tissue. 023627
Morphogenesis in Selaginella [willdenovii]. III. Meristem determination and *cell* **differentiation.** 026536
Erythropoiesis in cultures of **dispersed** *cell* preparations from early chick blastodiscs. 023399
Effect of high temperature conditioning on *subcellular* **distribution** and levels of lysosomal enzymes [Meat tenderness]. 022677
Development and *intracellular* **distribution** of enzymes of the oxidative pentose phosphate cycle in radish cotyledons. 027266

Intracellular **distribution** and multiple molecular forms of ribonucleases in pea (Pisum sativum) seedlings. 027288
The function of slime from Physarum flavicomum [Fungi] in the control of *cell* **division.** 026458
Cell **division** in the pennate diatom Diatoma vulgare [Algae]. 026817
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during *cell* **division.** 027298
Differential effect of hormones on macromolecular synthesis and mitosis in chick **embryo** *cells.* 023493
Electron microscopical study of initial and final stages of fowl plague virus-replication in chick **embryo** *cells.* 024421
Ultrastructural characteristics of **embryo** *cellular* walls obtained from protoplasts of Antirrhinum majus. 026065
Subculturing of *cells* from the **embryo** of the green rice leafhopper, Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). 029229
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with subcultured diploid **embryonic** *cells* of Drosophila [melanogaster]. 029317
Culture of **embryonic** *cells* and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. 029351
Enzyme to break down lettuce **endosperm** *cell* wall during gibberellin- and light-induced germination. 027217
Intracytoplasmic filaments in pulmonary lymphatic **endothelial** *cells.* Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360
[Escherichia coli] endotoxin-induced endothelial injury andrepair. I. **Endothelial** *cell* turnover in the aorta of the rabbit. 024520
Extracellular **enzyme** system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550
Scanning electron microscopy of the **ependymal** *cell* surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685
Moulting hormone and cuticle synthesis by **epidermal** *cells* of in vitro cultured cockroach embryos [Blabera cranifer]. 029271
The development of the guinea pig gallbladder **epithelial** *cells.* I. Light microscopical and carbohydrate-histochemical investigations. 023423
Organization of an actin filament-membrane complex. Filament polarity and membrane attachment in the microvilli of intestinal **epithelial** *cells* [Chickens]. 023497
Strand-selective transcription of globin genes in rabbit **erythroid** *cells* and chromatin. 023623
Suppression of immune responses to sheep red cell antigens in rats preimmunized with heterophilic antigen: *cellular* **events.** 024518
Interferometric measurements of dry mass content in nuclei and cytoplasm in the life cycle of antheridial **filaments** *cells* of Chara vulgaris L. [Algae] in their successive developmental stages. 026334
Influence of culture conditions on growth of **FL-74** *cells* and feline oncornavirus cell membrane associated antigen production. 024542
Ultrastructure and chemistry of Epidermophyton **floccosum** *cell* walls [Pathogenic fungi]. 026015
Distribution of cholesteryl esters and other lipids in *subcellular* **fractions** of the adrenal gland of the pig. 023584
Distribution and nonphotochemical transformation of phytochrome in *subcellular* **fractions** from Pisum [sativum, peas] epicotyls. 027267
Chemical induction of presumed dominant-lethal mutations in postcopulaton **germ** *cells* of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
Linkage of six genes in [the *unicellular* **green** alga] Chlamydomonas reinhardtii [Algae] and the construction of linkage test strains. 026195
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a transformed **hamster** *cell* line with use of specific fragments of the virus genome. 024762
Amino acid transport by aggregates of cultured chicken **heart** *cells:* Effect of insulin. 023476
The influence of temperature increase, elevation of *extracellular* **H+[hydrogen]-concentration,** and of triiodothyronine on the actions of phenylephrine, histamine,. 023266
Rolling round bottle culture of **HmLu-1** *cells* and the production of bovine ephemeral fever virus. 024657
Ultrastructure of **hymenial** *cells* in two Boletes [Tylopilus felleus, Suillus americanus, fungi]. 026040
Mechanism of the **hypersensitive** *cell-death* in host-parasite interaction [Potatoes, Phytophthora infestans]. 027972
Electron microscopy of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. *Intracellular* **hyphae** and vesicles. 025995
Demonstration in tissue culture of *cellular* **immunity** of fowl cholera [Pasteurella multocida, chickens]. 024537
Multiple viral infections of **insect** *cells* and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, biological control]. 028653
Comparison between the zymograms of two **insect** *cell* lines: Antheraea eucalypti and Malacosoma disstria (Lepidoptera). 029261
A valise for carrying **insect** *cell* cultures long distances. 029369
Influence of physical factors on the growth of **insect** *cells* in vitro. II. Sodium and potassium as osmotic pressure regulators of moth cell growth. 029370
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] *cells* do not **interfere** with viral RNA synthesis in Aedes albopictus cells. 029504
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of **intestinal** *cell* calcium uptake and calcium-bindng protein [Rats]. 022205
Some aspects of fatty acid oxidation in **isolated** *fat-cell* mitochondria from rat. 023287
Juxtaglomerular *cell* granules in the developmental mesonephros and metanephros of swine embryos. 023568
Studies on the cultivation of buffalo **kidney** *cells* in tissue culture. 023431
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian infectious bronchitis virus in chick **kidney** *cells.* 024420
Plaque assay of rabies virus on porcine **kidney** *cell* monolayers. 024592
Plaque assay and primary isolation of influenza A viruses in an established line of canine **kidney** *cells* (MDCK) in the presence of trypsin. 024786
The haemocytes of themosquito Aedes albopictus and their comparison with **larval** *cells* cultured in vitro. 029013
A comparison of potassium and chloride uptake by Tradescantia albiflora **leaf** *cells* at different KCl [potassium chloride] concentrations. 026387
Mitochondrial reorganizaion following stimulation by HCG [human hchorionic gonadotropin] of testis **Leydig** *cells* from hypophysectomized pigs. 023352
Effects by heme, insulin, and serum albumin on heme and protein synthesis in chick embryo **liver** *cells* cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Intercellular adhesive selectivity. II. Properties of embryonic chick **liver** *cell-cell* adhesion. 023495
Synthesis and differentiation of plasma proteins in cultured embryonic chicken **liver** *cells:* a system for study of regulation of protein synthesis. 023624
Influence of energy metabolism on the repair of X-ray damage in **Living** *cells.* IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. 026824
Short-chain fatty acid synthases in brain. *Subcellular* **localization** and changes during development [Rats]. 023286
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the *subcellular* **localization** of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Subcellular **localization** of gamma-aminobutyrate transaminase and glutamate dehydrogenase in adult rat brain. Evidence for at least two small glutamate compartments in brain. 023289
Intracellular **localization** and some properties of two aldehyde oxidase isoenzymes (EC 1.-2.3.1) in potato tubers (Solanum tuberosum). 027128
Subcellular **localization** of lipoxygenase and lipolytic acyl hydrolase enzymes in plants [Vegetables]. 027253
Cationic dependency of high affinity prostaglandin F2alpha receptors in bovine corpus **luteum** *cell* membranes. 024037
Control of growth of **mammalian** *cells* in cell culture. 023590
Translation of alfalfa mosaic virus RNA's in **mammalian** *cell-free* systems. 028286
Mirex and **marine** *unicellular* **algae:** accumulation, population growth and oxygen evolution. 028337
Evaluation of primary blood monocyte and bone **marrow** *cell* culture for the isolation of Rickettsia rickettsii [Guinea pigs, monkeys]. 024574
The fine structure of **mast** *cells* in the normal bovine mammary gland. 023233
Regulation of the biosynthesis of the macromolecules of the *intercellular* **matrix** of the cornea [Calves]. 023606
Purine metabolism pathway in Drosophila **melanogaster** *cells* grown in vitro: utilization of adenosine. 029273
Ultrastructure of Agaricus sylvicola and Agaricus bisporus [musroom] *cell* **membrane** evolution during fruit body development. 025973
Inclusions in **mesophyll** *cells* induced by a virus causing chlorotic streaks on leaves of Allium porrum L. [Leeks]. 028254
Role of antioxidant activity of lipids in *cell* **metabolism.** 022218
Enumeration, concentration, and separation of **microbial** *cells* from natural habitats [Soils, silt, water and other natural habitats]. 030907
First ultrastructural observation on the haustorial **micropylar** *cells* of Plantago lanceolata. 025968
Influence of powdery mildew [Erysiphe graminis] on **mitotic** *cell* division of apical root meristems of barley. 028046
Action of "colonie lisse" mutation on *cell* **morphology** of Saccharomyces cerevisiae [Yeast]. 026117
Multiplication if Venezuelan equine encephalitis (Mucambo) virus in cultured **mosquito** *cells* [Aedes aegypti, Aedes albopictus]. 024424
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic pressure regulators of **moth** *cell* growth. 029370
Response to moisture of pollen **mother** *cell* meiosis in Coffea abeokutae Crames. 026025
Effect of isoleucine deprivation on rabbitpox virus DNA synthesis in **mouse** L *cells.* 024602
Production by creatine kinase B synthesis in developing monolayer culture **muscle** *cells* [Chick embryos]. 023312
A comparative study in the transmission electron microscope and scanning electron microscope of intracellular structures in sheep heart **muscle** *cells.* 023529
Modifying action of thymidine on ultraviolet-irradiated Anascystis **nidulans** *cells* [Algae]. 026687
Adenosine deaminase in the pig: tissue-specific patterns and expression of the silent ADA [adenosine deaminase] allele in **nucleated** *cells.* 023976
Development of *intracellular* **oil** globules and a membrane structure surrounding the core lipids in the yeast Lipomyces starkeyi. 026590
Influence of culture conditions on growth of FL-74 cells and feline **oncornavirus** *cell* membrane associated antigen production. 024542
Calcium distribution in islets of Langerhans: a study of calcium concentrations and of calcium accumulation in B *cell* **organelles** [Rats]. 023501
Serodiagnosis of nosematosis by immunofluorescence using *cell-culture-grown* **organisms** [Nosema cuniculi]. 024638
Pattern of crack formation in rice grain as influenced by shape and **orientation** of *cells.* 022792
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of **packed** *cell* volume, temperature and storage of blood [Veterinary hematology]. 024333
Ultrastructural changes in **pepper** *cells* in interactions with Phytophthora capsici (isolate 18) and Monilinia fructicola. 028063
Perietal *cell* vagotomy in dogs. Influence on Heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. 024308
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on *cell* **permeability** of Pellicularia sasakii [Rice, sugarbeets]. 027903
Chicken neutrophils: oxidative metabolism in **phagocytic** *cells* devoid of myeloperoxidase. 023620
The radiosensitivity of *cells* in various **phases** of the mitotic cycle in Crepis capillaris L. seedlings. 026288
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating **plant** *cells* [Mung beans, pea, celery]. 026024
Effect of ammonium on growth of **plant** *cells* (Ipomoea sp.) in suspension cultures. 026442
Growing **plant** *cell* and tissue culture. 026682
Influence of hypoxia on protoplast structure in the **plant** *cell* [of onion and of Tradescantia bracteata]. 027095
Activity of faecal fluid of a leaf-cutting ant [Atta colombica tonsipes] toward **plant** *cell* wall polysaccharides. 029404
Methods for growing nitrogen-fixing bacteria separated from **plant** *cells.* 030190
Ozone-induced loss of *intracellular* **potassium** ion from Chlorella sorokiniana [Algae]. 026788
Single-cell **protein** production by photosynthetic bacteria [Rhodopseudomonas gelatinosa] cultivation in agricultural by-products. 022385
Determination of uric acid precursors in dried yeast and other forms of *single-cell* **protein.** 022507
Synthesis of beta-glucanase and other *extracellular* **proteins** by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382
Electrophoretic variation of **red** *cell* enzyme systems in farm animals. 023237
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase [adenosine triphosphatase] in cattle **red** *cells.* 023411
Suppression of immune responses to sheep **red** *cell* antigens in rats preimmunized with heterophilic antigen: cellular events. 024518
Studies on sperm antigenicity. IV. Lymphocyte cytotoxicity in *cell-mediated* **response** to homologous spermatozoa [Guinea pigs]. 024517
Electron microscope studies of **reticulated** *cellular* structures induced by baculoviruses in Lepidoptera. 029265
Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic chick neural **retina** *cells.* 023502
Effect of urea on *intracellular* **ribonuclease** from Aspergillus niger [Fungi]. 026829
Purification of myo-inositol 1-phosphate synthase from **rice** *cell* culture by affinity chromatography. 027029
Amino acid transport systems of cultured soybean **root** *cells.* 026924
Effect of copper on **root** *cell* elongation and germinability of seeds of fine-fibered cotton. 026971
Polyadenylated RNA from Vicia faba [broadbeans] meristematic **root** *cells.* Localization and size estimation of the poly(A) segment. 027170
Isoenzyme changes during the growth cycle of Paul's Scarlet **rose** *cell* suspensions. 027246
The response of *cell* **sap** concentration and water content in cotton leaves to different combinations of soil salinity and nitrogen levels. 027062
Irrigation according to the concentration of *cell* **sap** [of cotton]. 030674

The joint action of gamma rays and ethylenimine during the presynthetic period of the mitotic cycle on *cells* of **seeds** of Crepis capillaris. 026287
Photosynthesis in mesophyll protoplasts and bundle **sheath** *cells* of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Processing of SCP [**single** *cell* protein] for human food. 022477
Genetic control of development of the *cellular* **slime** mold, Dictyostelium discoideum. 026086
Structural organization and processing of the genetic transcript in the *cellular* **slime** mold Dictyostelium discoideum. 026149
Dictyostelium [discoideum, *cellular* **slime** mold] aggregate-less mutant plasma membranes. 026559
Cyclic AMP [adenosine monophosphate]-induced changes in protein synthesis in a *cellular* **slime** mold, Polysphondylium pallidum. 026689
Signal input for a chemotactic response in the *cellular* **slime** mold dictyostelium discoideum. 026814
Arabidopsis thaliana as a model system in **somatic** *cell* genetics. 1. Cell and tissue culture. 026795
Cytological effects of fungicides, plantvax and vitavax on **somatic** *cells* of Allium cepa [Onions]. 027945
Electron microscopic study of bacteria in the *intercellular* **spaces** of the root cap of Luzula purpurea Link [Symbiotic associations]. 026034
Evidence for a **species-specific** *cell* fusion hormone in red algae [Griffithsia]. 026818
The role of Angiospermae **sperm** *cells* of different quality for investigating the process of double fertilization. 026186
The role of subsidiary **sperm** *cells* in embryo sacs of Angiospermae for investigating the process of double fertilization. 026617
Hydroxyurea synchronization of bovine fetal **spleen** *cells*. 023400
Aural **squamous** *cell* carcinoma in the horse: a case report. 024834
Squamous *cell* carcinoma in horses. 024855
Ultrastructure of the endosperm of Echinocystis lobata (Cucurbitaceae) at the *cellular* **stage**. 025929
A study of the action of the cationic proteins from rabbit polymorphonuclear leucocytes on the **staphylococcal** *cell* membrane [Staphylococcus aureus]. 023316
Subcellular **structure** of bovine thyroid gland. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. 023290
A comparative study in the transmission electron microscope and scanning electron microscope of *intracellular* **structures** in sheep heart muscle cells. 023529
The function of calcium in the *cell* and in the **subcellular** units of apple fruit. 027087
Spontaneous and lectin-induced redistribution of *cell* **surface** receptors on embryonic chick neural retina cells. 023502
Gene dosage and antigenic expression on the *cell* **surface** of bovine erythrocytes. 024403
Comparison between biosynthesis of ent-kaurene in germinating tomato seeds and *cell* **suspension** cultures of tomato and tobacco. 027264
Cell-free **synthesis** of the major storage protein of the bean, Phaseolus vulgaris L. 027262
Characterization of fibrous compound of golgi vesicles in **tapetal** *cells* of Delphinium. 026053
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] *cells* for **target** cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530
Arabidopsis thaliana as a model system in somatic cell genetics. I. *Cell* and **tissue** culture. 026795
Effect of initial kLa [volumetric oxygen-transfer coefficient] on the growth of **tobacco** *cells* in batch culture. 026978
Properties of peroxidases from **tobacco** *cell* suspension culture. 027009
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the *intracellular* **transit** and excretion of milk proteins. Autoradiographic study in the. 023532
Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and *cell* **transport**. 024046
Action of Econazol on the fine structure of *cells* of **Trichophyton** rubrum [Fungi]. 026039
Unusual cytoplasmic inclusion body in neural **tube** *cells* of rat early embryo: a phagocytotic vesicle? 023244
The function of calcium in the cell and in the *subcellular* **units** of apple fruit. 027087
Additional data on morphological and cytochemical features of the Golgi apparatus in **vegetative** *cells* of the chlorophycean alga Ulva lactuca L. (Ulvales). 025966
Light and electron microscopy of broadbean wilt **virus** *intracellular* inclusions. 028252
Mobility of normal and **virus-transformed** *cells* in cellular aggregates [Chick embryos]. 023496
The expression of avian Gs antigen in mammalian Rous sarcoma **virus-transformed** *cells* after treatment with 5-iododeoxyuridine and dexamethasone. 024525
Determination method of digestibility of forage dry matter and *cell* **wall** constituent by artificial rumen—neutral detergent treatment. 023873
Studies on the supermolecular structure of *cell* **wall** components. 4. Composition of the fractions from ion exchange chromatography [Picea abies, holocellulose]. 025492
Longitudinal shrinkage of compression wood [of Pinus silvestris] in dependence on water content and *cell* **wall** structure. 025934
Enzymic analysis of *cell* **wall** structure in apple fruit cortical tissue. 026042
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. *Cell* **wall** lysis and microfilament-associated mating structure activation in wild-type and mutant strains. 026200
Cell **wall** glycoproteins and polysaccharides of mature runner beans. 027243
Cell **wall** glycoproteins and polysaccharides of parenchyma of Phaseolus coccineus [Runner beans]. 027244
Molecular sizes of polysaccharides liberated from *cell* **wall** [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
Effect of a non-localized infection by southern bean mosaic virus on a *cell* **wall** glycoprotein from bean leaves. 028260
Study of *cell* **walls** of Candida yeast. 026007
Polysaccharide from *cell* **walls** of Chlamydomonas reinhardtii[Algae]. 026756
Release of hydrolytic enzymes from the *cell* **walls** of intact and disrupted carrot callus tissue. 027280
Long-term perservation of transfecting activity of DNA isolated from rat virogenic **XC** *cells* transformed by Prague strain of Rous sarcoma virus. 024524
Fine structure of the **yeast** *cell* accompanied by changing the growth phase [Saccharomyces cerevisiae]. 026010
High resolution 31P [phosphorus isotope] nuclear magnetic resonance studies of intact **yeast** *cells*. 026811

CELLULASES

Cellulase **activity**, endogenous abscisic acid, and ethylene in four citrus cultivars during maturation. 027263
Considerations on the use of *cellulase* in **food** and industrial field. 022530
Production of ethylene and other volatiles and changes in *cellulase* and **laccase** activities during the life cycle of the cultivated mushroom, Agaricus bisporus. 027194

CELLULOLYTIC

Heterocephalum aurantiacum: its occurrence in Indian soil and its *cellulolytic* **activity**. 025802
Influence of amino acids, thiourea and hydroquinone on *cellulolytic* **activity** in some Fusarium [Fungi] strains. 026322
Comparative *cellulolytic* ability of some litter-inhabiting fungi. 030304
Comparative studies on *cellulolytic* **enzyme** lignin and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362
Cellulolytic **enzyme** production/non-production by some pathogenic fungi. 027944

CELLULOSE

Mono- and diquaternary **ammonium** *cellulose* cottons prepared in **nonaqueous media**. 022777
Bleaching *cellulose*. I. A free radical mechanism. 022839
Recovery of sulfite alkalis from **boiling** *cellulose* with acid on a mixed **base**. 025325
"A model for the degradation of **cotton** *cellulose*." A comment. 022788
Study of the supermolecular structure of wood and **cotton** *cellulose* by the method of alcoholysis in higher alcohols. 025334
Bacterial production of protein from *cellulose*. I. **Effect** of composition of mineral nutrient medium on the bacterial utilization of cellulose [Food research]. 022371
Bacterial production of protein from *cellulose*. II. **Effect** of individual trace elements on cellulose fermentation [Food research]. 022372
Displacement washing of packed beds of *cellulose* **fibres**. 1. Mathematical model. 025484
Bacterial production of protein from cellulose. I. Effect of composition of mineral nutrient medium on the bacterial utilization of *cellulose* [**Food** research]. 022371
Economics of producing nutrients from *cellulose* [**Food** or feed additives]. 022430
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of *cellulose:* **functional** characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550
Studies on the hydrolysis reaction of model substances of *cellulose* in the **presence** of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
New process for flash-drying *[cellulose* **pulp**]. 025488
Characterization of *cellulose* **quality** by dryed sieve fractioning. 025369
An investigation of the surface areas of dyed and undyed **secondary** *cellulose* acetate by p-nitrophenol adsorption. 025414
Balance and dynamics of distribution of extractive resins during the process of **sulfate** *cellulose* boiling. 025298
Study of resin content and group composition of resinuous substances in **sulfate** *cellulose* production. 025331
Waste *cellulose* as an energy source for animal protein production [**Feed**]. 023080

CELOSIA

Influence of rate and placement of osmocote [slow-release fertilizer] on growth of **container-grown** *Celosia* argentia. 030526

CELTIS

Moretenol and other constituents of *Celtis* **laevigata**. 026749

CEMENT

Determination of the coating and *cementing* **agents** on some soil clays of Mysore. 030306
The distributional ecology and diversity of benthic insects in *Cement* **Creek**, Colorado. 029322

CENOCORIXA

Life histories of three species of Corixidae (Hemiptera: Heteroptera) from **western** Colorado [Callicorixa audeni, *Cenocorixa* **bifida**, Arctocorisa lawsoni]. 029205

CENSUS

Agricultural *census* in 1971/72. 8. Viticultural survey in 1972/73. 021660
Eighteenth session, Rome, November 1975. Programme for the 1980 **world** *census* of agriculture. 021708

CENTRIFUGE

Subcellular structure of bovine thyroid gland. A study on bovine thyroid membranes by **buoyant-density-gradient** *centrifugation* in a B-XIV zonal rotor. 023290
About automatic flooding of a *centrifugal* **pump** before launching [Drainage, irrigation]. 030120
Drainage pumping stations [equipped] with *centrifugal* **pumps**. 030121
Calculating the strength of plastic discs of *centrifugal* **spreaders** of mineral fertilizers. 030156

CENTROLEPIDACEAE

Vessels in Juncales: II. *Centrolepidaceae* and **Restionaceae**. 025942
New studies on the embryology and **systematics** of *Centrolepidaceae*. 025620

CENTROMERES

Centromeric **sensitivity** of mouse chromosomes to the systemic insecticide dimethoate (Rogor). 024949

CEPHALIC

Di-cephalus **bicallis** with diplocardia in a calf [Teratology]. 024849
Cyclopia or *cebo-cephalus* **monstrosity** in goat (Capra hircusL.). 024848

CERAMBYCIDAE

Investigatons on taxonomy, host plants and distribution of the long-horned **beetles** *(Cerambycidae-Coleoptera)* in Aegean Region. 028682
Comparison of toxicity between organophosphorus toxicants and ethylene dibromide, alone and in combination, to Monochamus alternatus Hope (Coleoptera: *Cerambycidae*. I. The. 028949
Soybean plant response to the attack of Oberea brevis Swed. (**Coleoptera**, *Cerambycidae)*. 028798
Mexican Pogonocherini (Coleoptera: *Cerambycidae)* [New taxa]. 029644

CERATITIS

Reproductive differences between laboratory-reared and field-collected populations of the Mediterranean fruitfly, *Ceratitis* **capitata** [Insect pests, fruit]. 028821
Performance of a sticky trap with trimedlure impregnated in the adhesive material *[Ceratitis* **capitata**]. 028870
Biochemistry of development in insects *[Ceratitis* **capitata**]. Stereospecific incorporation of fatty acids into triacylglycerols. 029348
Biochemistry of development in insects *[Ceratitis* **capitata**]. Incorporation of fatty acids into different lipid classes. 029349

CERATOCYSTIS

Wilt development in red oak [Quercus rubra] seedlings: a new system for studying oak wilt *[Ceratocystis* **fagacearum**]. 028065
Dutch elm disease *[Ceratocystis* **ulmi**] concludes its westward march through North America. 028038

CERATOPOGONIDAE

Nonoccluded viruslike particles in larvae of Culicoides cavaticus (**Diptera:** *Ceratopogonidae)*. 029030
A new nearctic species of Forcipomyia (Forcipomyia) [bystraki] described in **all stages** (**Diptera:** *Ceratopogonidae)*. 029070
A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: Encyrtidae) from Puerto Rico parasitic on Forcipomyia (**Diptera:** *Ceratopogonidae)*. 029354
A revision of the genus Palpomyia Meigen of northeastern North America (**Diptera:** *Ceratopogonidae)*. 029639
Biological notes and new synonymy in Forcipomyia (Diptera: *Ceratopogonidae)* [**parasitized** by the hymenopteran genus Forcipestricis]. 029355

CERATOSTIGMA

Plumbagin from *Ceratostigma* **willmottianum**. 026492

CERCARIA

Appearance of **Fasciola** *cercariae* in rice fields determined by a metacercaria-detecting buoy [Cattle, liver fluke, transmission, snails]. 024653

CERCIDIPHYLLUM

The controversial katsura **tree** *[Cercidiphyllum]*. 025588

CERCOPIDAE
A population study of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: *Cercopidae)* in **Mexican** Pangola pastures. 028797

CERCOSPORA
Forecasting incidence and issuing warnings for sugarbeet leaf **spot** *(Cercospora* beticola Sacc.) in Yugoslavia. 027961

CERCOSPORELLA
Eyespot *(Cercosporella* herpotrichoides Fron) in concentrated cereal growing as influenced by several cultural and cropping factors. 027907

CEREALS
Solution of differential equation of humidity transfer [in *cereals]* on an **analogue** computer. 026880
Root systems of some species of **annual** *cereal* grains from Turkmenistan [in relation to soil moisture]. 026616
Method of **ascertaining** *cereal* losses during harvesting. 027545
Use of combined herbicides on a MCPA **basis** in *cereals.* 028592
The Kongskilde TRL 55 *cereal* **blower.** 030046
Harvesting of *[cereal]* **breeding** material with a reconstructed lawn mower. 026254
The methodology of accelerated **breeding** of *cereals.* 026271
Eyespot (Cercosporella herpotrichoides Fron) in **concentrated** *cereal* growing as influenced by several cultural and cropping factors. 027907
Some questions on the rationalization of *cereal* **consumption.** 021652
Reserves for increasing the effectiveness of seed treatment [Covered smut, **control,** *cereals].* 028116
Difenzoquat for wild oat [Avena fatua, Avena ludoviciana] **control** in *cereals.* 028550
Improvement of zonal prices for *cereals* **[Costs,** returns, Ukraine]. 021455
Express method of determining the productiveness of *cereal* **crops.** 027570
Combine and transportation complexes in the harvesting of *cereal* **crops.** 030167
Swiss varieties in the 1975 *cereal* **cultivation.** 027456
Poor seed means a poor harvest *[Cereal* **culture].** 027464
Influnece of varied soil cultivation and sowing speeds on yields of agricultural crops *[Cereals,* **culture,** mechanization]. 027530
Invasion and development of the *cereal* **cyst-nematode** Heterodera avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. 027898
This is not a Fusarium **disease!** *[Cereals].* 028120
The K 30 T Heylo oil air filter [for **drying** *cereals].* 030045
Quality of work of the E280 fodder chopper in the whole-plant harvesting of *cereals* **[East** Germany]. 030010
Disappearance of smut [Ustilaginales] from *[cereal]* **fields** [Orenburg Region]. 028111
The microbiology of [stored] *cereals* **[Fungi,** bacteria]. 022741
Fusarium and **fusarioses** of *cereals.* 028093
M3-1 thresher of breeding material [of *cereals* and **grain** legumes]. 026260
Extraction and concentration of the volatile constituents of *cereals* **grains** with a view to their analysis by gas chromatography. 022739
Identification and properties of "phytate" in *cereal* **grains** and oilseed products. 022773
Characterization of bound residues of [the selective herbicide] nitrofen in *cereal* **grains.** 029105
Quality of the 1975 *[cereal]* **harvest** and its influence on baking procedures of trade flours. 022803
Group use of 8 kg/s combined harvesters and threshers *[Cereals,* **harvesting,** work management]. 021294
Evaluation of nutritive value of haylage and *cereal* **haylage** [Composition, digestibility]. 023082
From 12 to 32 centners of *cereals* per **hectare** [Five-Year Plan, productive capacity]. 021824
Crushing of *cereals* in **impact** mills. 022733
Land use shifts and **increasing** *cereal* grain output in E.C. [Common Market]. 021488
Ways of **increasing** *cereal* production in the Buryat ASSR [Five-Year Plan]. 021828
Releases and recoveries of *cereal* **leaf** beetle parasites, 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712
Rapid method for assessing potential net photosynthesis in plant **leaves** *[Cereals].* 027064
Production of furfural and furan compounds [using wood pulp and *cereal* **lignin]** in foreign countries. 025321
Determination of *cereal* **losses** during harvesting and ways of reducing them. 027569
1975-1976 *cereals:* **low** collection, increasing storage capacity. 022756
The experience of organizing seed production [of *cereals,* **lupine,** fiber flax and potatoes]. 027515
The growing of *cereals* in the **Martonvasar** phytotron [for breeding purposes]. 026269
How moist are grains? Type table of devices to **measure** *cereal* moistness. 030028
New methods of cleaning and **moistening** of *cereals.* 022801
The *cereals* have **paid** for the milk [Production costs]. 021439
Investigations on the biology, distribution, economical importance and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli **[Pest** of *cereals].* 028794
Extension of bacterial rodenticides *[Cereal* **pests,** control]. 028466
Plant protection and industry [Ground squirrels as *cereal* **pests,** control]. 028475
Agrotechnical measures for control of Eurygaster integriceps *[Cereal* **pests].** 028802
Legislation on *cereals* in **Piedmont** in 1800. 021805
Predicted forage value of whole **plant** *cereals.* 023020
Contamination of *cereals* by **polychlorinated** biphenyls and hexachlorobenzene. 021891
Phosphorus in starch **[Potatoes,** *cereals].* 022891
Solving the *cereal* **problem** [Five-Year Plan, productive capacity of agriculture]. 021827
Preparation of a program of rationalization of *cereal* **production** in the Rakovnik district. 021810
Cereal **production** of the fifth, closing year of the Five-Year Plan [Productive capacity, Smolensk District]. 021822
For the yield of the closing year of the Five-Year Plan *[Cereal* **production].** 021823
Current problems of *cereal* **protection** and the use of fungicide. 028448
Microanalysis in routine work. II. Evaluation of *[cereal]* **proteins.** 022815
Near possibility of **reducing** *cereal* grains in poultry diets-a review. 023812
Triticale - new miracle grain **revitalizes** *cereal* products. 022342
Perforation and lysis of fungal spores in natural soils [Cochlioobolus sativus, *cereals,* **root-rot].** 027976
Fungistatic action of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and root **rot** of *cereals].* 028011
Cereal **scab** causing mycotoxicoses in Korea and present status of mycotoxin researches [Gibberella zeae]. 021894
Prospects of mechanizing the after-harvest treatment and storage of *cereal* **seeds.** 027511
Utilization of mathematical methods in planning the production of high quality **seeds** [of *cereals].* 027522
Problems of a multivarietal selection for complex characters in **self-pollinated** *cereals.* 026154
Effectiveness of different methods of preparing seedlings of *cereals* under **sterile** conditions for investigations of nucleic acids using radioactive precursors. 026874
The trend is to the silo in *cereal* **storage.** 029929
Foot rot of *cereals* **[Summaries** of papers on fungus diseases]. 028105
Results of the 1974 main research with **summer** *cereal* and maize varieties. 027454
Planthopper-transmitted virus diseases of *cereals* in **Sweden.** 028698
Separation of **thrashed** *cereal* mass on a vibrating screen. 022732
Laodelphax striatellus as a vector of **two** *cereal* viruses in Italy. 028697
Cereal **varieties** seeded in 1975. 027403
New **varieties** *[Cereals].* 027574
Determination of unfrozen water in **winter** *cereals* at subfreezing temperatures [Wheat, rye]. 027018
Frequency of occurrence of winter injury to forage legume, **winter** *cereal* and strawberry plants in Prince Edward Island, 1901-1975. 028346
Problem of **world** *cereal* supply. The Soviet Union as the country with the main problem. 021773
Cereals in the **world.** I. Abundance-shortage alternations. 021789
Application of fertilizers to irrigated lands of the Volga area *[Cereal* **yields].** 030574

CEREBROSPINAL
Cerebrospinal **fluid** pressure in acute-and chronic hypovitaminosis A of the male weanling rabbit. 022201
Cerebrospinal **fluid** pressure and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. 023643

CEREUS
Death rates of bacterial spores [isolated from sugar-cane bagasse]: nonlinear survivor curves **[Bacillus** *cereus].* 021863

CERIUM
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, *cerium* **isotope]** as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541

CEROPEGIA
Chromosome numbers in the **genus** *Ceropegia* Linn. 025999

CERTIFICATION
Farm *certification* and approach to farm odour problems in Ontario. 030918
Mandatory *certification:* another turn of the screw. 022292
Pesticide applicators **need** 1976 *certification.* 030125
[Quality] *certification* of **products** in the branch [of tobacco industry]. 021973
Entered acreage of *certified* **seed** potatoes by varieties—1975, United States and Canada. 027708

CERULOPLASMIN
Evidence for *ceruloplasmin* as a **copper** transport protein [Rats]. 023271
Ceruloplasmin **polymorphism** in cattle. 024278

CERVIX
Membrane potential changes induced by 5-hydroxytryptamine in the rabbit **superior** *cervical* ganglion. 023327
Effect of depolarizing agents on the adenosine-3'5'-monophosphate content of the bovine **superior** *cervical* ganglion. 023593
Norepinephrine release from nerve terminals within the rabbit **superior** *cervical* ganglion. 023596
Some physiological and pharmalogical characteristics of the stimulus induced release of norepinephrine from the rabbit **superior** *cervical* ganglion. 023598
The segmental projection of the *cervix* **uteri** of the cow on the skin. 023674
The effect of *cervical* **vagotomy** (decentralization) on the ultrastructure of the carotid body of the duck, Anas platyrhynchos. 023365

CESIUM
Long-lived radionuclides in food: 90Sr and 137Cs [strontium and *cesium* **isotopes]** in the Israel diet. 021875
A *Cesium-134* **trap** for isotope use [in entomological research]. 029353

CESTODA
Review of *cestodes* **[Anthelmintics,** domestic animals]. 024735
Studies on the morphology of larval stages of Anomotaenia **constricta** *(Cestoda,* Cyclophyllidea) from the hemocoele of the beetle Pimelia sulcata. 029512
In vitro hatching of the tapeworm Moniezia **expansa** *(Cestoda:* Anoplocephalidae) and some properties of the egg membranes [Sheep]. 024789
Hymenolepis nana var. **Fraterna** *(Cestoda,* Hymenolepididae) in Leucophaea maderae (Dictyoptera, Blattidae) crossing of the gut wall. 028991

CETRARIA
Cetraria **islandica** [Lichenes] on the territory of the city of Kielce. 025678

CHAETOMIUM
Lethal and mutagenic effects of gamma rays on *Chaetomium* **aureum** Chivers [Fungi]. 026133
The effect of the environment on the formation of fruit bodies of the species of the **genus** *Chaetomium* Fr. [Saprophytic fungi]. 026678

CHAETOSIPHON
Studies on strawberry virus diseases [transmitted by *Chaetosiphon* **minor]:** degeneration of strawberry in Hokkaido. 028273

CHAINS
Application of differential thermal anaysis to peat waxes. 1. *Long-chain* **alcohols,** acids, triglycerides, and esters of stearic acid. 030265
Electrostatic side *chain* **complementarity** in [steerskin] collagen fibrils. 023533
Branched-chain **constituents** of Brussels sprout wax. 027240
Double *chain* sequence of RNA obtained through in vitro transcription of wheat DNA by Escherichia coli RNA polymerase. 026917
Short-chain **fatty** acid synthases in brain. Subcellular localization and changes during development [Rats]. 023286
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and *normal-chain* **fatty** acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Antigenic structure of the cyanogen bromide peptide F-CB3 from [bovine] **fibrinogen** *alpha-chain.* 023391
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by fish from water and througha model **food** *chain.* 030881
Immunoglobulin-bearing lymphocytes of the chicken. I. **Heavy** *chain* immunoglobulin commitment and organ distribution. 024515
Variation of the *long-chain* **hydrocarbon** pattern in different tissues of Duncan grapefruit. 027259
Effect of modification of methionine side *chains* on the **interaction** properties of collagen [prepared from calf skin]. 023435
Synthesis of myosin heavy and **light** *chains* in muscle cultures [Chick embryos]. 023498
Fat metabolism in higher plants: metabolism of **medium** *chain* fatty acids [Avocados]. 027214
Mathematical modeling of the process of sawing with **motorized** *chain* saws. 025394
Safe *chain* saw operation requires knowledge of accident causative factors [Timber falling]. 025456
Does your **silage** *chain* still have a weak point? 030025
Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the **toxin** *A-chains* [Rabbits]. 024952
Reduction of oxygen by the electron **transport** *chain* of [spinach] chloroplasts during assimilation of carbon dioxide. 027140
Variation in average **unit** *chain* length of glycogen in relation to developmental stage in Blastocladiella emersonii [Fungi]. 026684

CHALCIDIDAE
Spectrum of regulatory activities of parasitic insects *[Chalcididae,* **Ichneumonidae,** Braconidae] of Gypsonoma aceriana Dup. [Poplar pests, natural control]. 028958

CHALCIDOIDEA
The species of *Chalcidoidea* **described** from North America north of Mexico by Francis Walker (Hymenoptera) [New taxa]. 029547
Biology of Dinarmus acutus, a *chalcidoid* **parasite** of the vetch bruchid [Biological control]. 028707

CHALCONE
Chalcones, **aurones** and dihydrochalcones. 026570
New **type** *chalcones* from licorice [Glycyrrhiza glabra]. 026848

CHAMAECYPARIS
Investigations on productivity of Japanese **cypress** *(Chamaecyparis* obtusa) stands. I. Biomass and growth of 28 years-old stands in sorayama. 025166

CHAMBERS
50 years of the Animal Health Office of the Weser-Ems **Agricultural** *Chamber.* 024365
A **biosynthesis** *chamber* system for the production of isotopically labeled tobacco. 026970
Productivity of vegetable crops in a region of high solar input. IV. **Field** *chamber* measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124

CHAMPAGNE
Study of nature of interrelations of yeast of the genus Saccharomyces in *champagne* **manufacture.** 022998

CHANNELS
Experience on the transit of grain in a continuous dryer with flooded **air** *channels.* 022745
Tiaja insula, a new megophthalmine leafhopper from the Santa **Barbara** *Channel* Islands (Homoptera: Cicadellidae). 029649
Resistance to flow in a **combined** *channel* [Prediction of flood]. 030739
Summer phytoplankton blooms and red tides along tidal fronts in the approaches to the **English** *channel.* 026691
Backwater shutters with a soft covering **[Irrigation** *channels].* 029941
Alterations in the soil reclamation status of lands due to irrigation from an *earth-channel* **irrigation** network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
The *Channel* **Islands** and the International Camellia Society [Varieties]. 027679
Marketing *channels* for horticulture in Kenya. 021461
Control of nuisance midges [Chironomus riparius] in a *channel* **receiving** treated municipal sewage. 029037
Multi-channel **sorting** of timber [Data processing]. 025444

CHAPARRAL
Water relations of selected species of *chaparral* and **coastal** sage communities. 025898

CHARA
A quantitative investigation of symplasmic transport in *Chara* **corallina.** III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the plasmodesmata [Algae]. 026439
Interferometric measurements of dry mass content in nuclei and cytoplasm in the life cycle of antheridial filaments cells of *Chara* **vulgaris** L. [Algae] in their successive developmental stages. 026334
Correlations and morphogenesis in *Chara* **vulgaris** L. [Algae] cultivated in vitro. 026827

CHARAXES
Revisional notes on **African** *Charaxes,* Palla and Euxanthe (Lepidoptera: Nymphalidae). X. [New taxa]. 029546

CHARCOAL
The use of **activated** *charcoal* for the concentration and analysis of headspace vapours containing food aroma volatiles. 022514
Production of *charcoal* **briquettes** at the Siavskii wood chemistry mill. 025320
Grape and apple **pomace** *charcoal.* 022482
Study of the mechanism of low-temperature oxidation of **wood** *charcoal* in air. 025333

CHEDDAR *see* **CHEESES**

CHEESES
Feeding experiments with rainbow trouts using *Camembert* **andRoquefort** starters [to test their potential toxicity]. 021945
Quantification of lactones in ripening pasteurized milk **Blue** *cheese* containing added microbial lipases. 022590
Studies on the efficient manufacture of **brine** *cheese.* I. Criteria, processes of manufacture, cheese making milk. 022618
Instability of patulin in **Cheddar** *cheese* [Penicillium patulum]. 021927
Relation of **cheddar** *cheese* ripening to bacterial lipolysis [Lactobacillus casei, L. plantarum]. 022559
Cheddar *cheese* flavor; a review of current progress. 022589
Degradation of casein during the ripening of **cheddar** *cheese.* 022627
Instability of patulin in *Cheddar* **cheese** [Penicillium patulum]. 021927
Relation of *cheddar* **cheese** ripening to bacterial lipolysis [Lactobacillus casei, L. plantarum]. 022559
Cheddar **cheese** flavor; a review of current progress. 022589
Degradation of casein during the ripening of *cheddar* **cheese.** 022627
The composition of cheese starters for the manufacture of *Gouda* **cheese.** 022638
The effect of different methods of salting on certain groups of bacteria and ripening of *Gouda* **cheese.** 022639
Identification of a nitrogenous heterocyclic compound responsible for a potato-like off-flavour in *Gruyere* de **Comte** cheese. 021939
Determination of table salt **content** in *cheese.* 022601
The use of enzyme preparations of microbial origin in **continous** *cheese* making. 022623
Quality is not the cause of the decrease in **cottage** *cheese* consumption [in West Germany]. 021486
Cottage *cheese* whey ultrafiltrate produced by hollow fiber ultrafiltration. 022591
Growth of Staphylococcus aureus, experimentally inoculated in **Damietta** *cheese.* 021986
Incidence of coagulase-positive staphylococci in **Damietta** *cheese.* 021987
Reversed osmosis and its application to the technology of foods of animal origin. I. The receiving of cheese milk proteins and their utilization in the making of **Feta** *cheese.* 022577
New world standards for *cheese* by the **Food** and Agriculture Organization are being prepared. 021869
The composition of cheese starters for the manufacture of **Gouda** *cheese.* 022638
The effect of different methods of salting on certain groups of bacteria and ripening of **Gouda** *cheese.* 022639
Technology of processed cheese manufacture from the **Greek** *cheese* Feta. 022621
Making *cheese* at **home.** 022085
The *cheese* **industry** [Processing, distribution]. 022560
Study methods for *cheese* **manufacturing** starter cultures. 022606
Reversed osmosis and its application to the technology of foods of animal origin. I. The receiving of *cheese* **milk** proteins and their utilization in the making of Feta cheese. 022577
Studies on the efficient manufacture of brine cheese. I. Criteria, processes of manufacture, *cheese* making **milk.** 022618
Cheese in **nutrition** [Chemical composition]. 022579
Studies on the presence of microorganisms and keeping quality of canned **processed** *cheese* [Contamination, Clostridium]. 022619
Technology of **processed** *cheese* manufacture from the Greek cheese Feta. 022621
Study of the role of microorganisms and enzymes during *cheese* **ripening.** II. Influence of commercial rennet. 022599
Manufacture of **soft** *cheese* without drainage of whey from concentrates of ultrafiltrated skim milk. 022613
The composition of *cheese* **starters** for the manufacture of Gouda cheese. 022638
Rapid determination of the fatty **substances** in *cheeses.* 022585
Examination of **Swiss** *cheese* for incidence of mycotoxin producing molds. 021925
Determination of iron in *cheese* **whey** by atomic absorption spectrometry. 022562

CHEILANTHES
Scanning electron microscopy of trichomes of *Cheilanthes* **(Sinopteridaceae).** 026759

CHELATES
Evaluation of an amino **acid-iron** *chelate* hematinic [Swine, feeding]. 023891

CHELONETHIDEA
Pseudoscorpions from **Florida.** 4. The genus Dinochernes (Chernetidae) [New taxa]. 029590
Psuedoscorpions *[Chelonethida]* from the **Maltese** islands [New taxa]. 029594
Pseudoscorpions **[Paratemnus** elongatus] phoretic on fireflies [Photruis]. II. 029358
Pseudoscorpions from **Reunion** island and Djibouti [New taxa]. 029680

CHEMICALIZATION
Organization of agrochemical service [in USSR] in the area of **massive** *chemicalization* [Fertilizers, application]. 021297

CHEMILUMINESCENCE
Study of antiradical activity of tocopherols by using the *chemiluminescent* **method.** 022220
Effect of electric potential on spontaneous **ultraweak** *chemiluminescence* of plants [Peas]. 027165

CHEMISTRY
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and *chemical* **additives** on inhibition; effective site of topical application on oviposited olives. 028837
Influence of *chemical* **agents** on weathering of silicate minerals [Clay minerals]. 030310
Estimating digestible energy from *chemical* **analyses** [Feeds, sheep, swine, rabbits]. 023860
Chemical control and bacteriology of yogurts (test for codifying techniques). I. *Chemical* **analysis.** 021838
IUPAC [International Union of Pure and **Applied** *Chemistry]* Commission on the development, improvement, and standardization of methods of pesticide residue analysis. 029134
IUPAC [International Union of Pure and **Applied** *Chemistry]* Commission on terminal [pesticide] residues. 029135
Chemical **assessment** of quality in tea and its relation to the market over an extended period. 021934
Preliminary field trials with **Bacillus** *thuringiensis-chemical* insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927
Protein value of two imitation milks; *chemical* and **biologic** assays. 022129
Economic evaluation of *chemical* and **biological** methods [Cabbage, insect pests, control]. 028903
Toxicity of fringe treatments of peas *[Chemical* and **biological** control of Sitona]. 028916
Laboratory model ecosystem evaluation of the *chemical* and **biological** behavior of radiolabeled micropollutants. 030880
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the *chemical* **carcinogenesis** with nitrofuran derivatives and the development of FANFT as a model carc. 024866
Toxicity tests of some *chemicals* against **certain** wood-staining fungi. 025381
Effect of **certain** *chemical* mutagens on chromosome rearrangements and growth processes in hard wheat. 026142
Effect of ice storage on microbiological and *chemical* **changes** in shrimp and melting ice in a model system. 021922
Nutritional and *chemical* **changes** in heated casein. III. A comparison of the alkali-soluble and insoluble fractions. 022596
Chemical **changes** associated with flavor in irradiated meat. 022663
Micromorphological, mineralogical and *chemical* **characteristics** of some Alpine soils and their genetic implications. 030194
On the *chemical* **characterization** of water from collector-drainage system in the Mary and Chardzhou Regions. 030661
Courtship behavior and use of *chemical* **communication** by males of certain species of ithomiine butterflies (Nymphalidae: Lepidoptera) [Danainae]. 029215
Chemical **composition,** protein quality and protein value of Opaque-2 and other varieties of maize at different stages of ripening. 022077
Chemical **composition** of Angelica [archangelica] root oil [Flavors for alcoholic beverages]. 022368
Cheese in nutrition *[Chemical* **composition].** 022579
Effect of grasses fertilized with carbamide and diammonium phosphate on the *chemical* **composition** of meat and physical properties of the wool of sheep. 022715
Discrepancies in the *chemical* **composition** of apple fruits as analysed by different laboratories. 022943
Relationship between *chemical* **composition** and breakdown in cooked potato tissue. 022951
Chemical **composition** and in vitro nutrient digestibility of some of the tree leaves. 023037
Yield, *chemical* **composition** and dry matter intake of R.v.P ryegrass varieties [Lolium, sheep]. 023071
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. III. On the *chemical* **composition** of muscle. 024050
Chemical **composition** of the hyphal wall of a toxigenic fungus, Penicillium rubrum stoll. 026646
The effect of the nutrient medium on the formation and *chemical* **composition** of a polysaccharide produced by Aureobasidium pullulans (de By.) Arn. [Fungi]. 026679
Potential tetany hazard [to ruminants] of N [nitrogen]-fertilized bromegrass [Bromus inermis] as indicated by *chemical* **composition.** 026892
Mowing dates of clover and clover-timothy [Phleum] mixtures[and relation to their *chemical* **composition**]. 027066
Effects of nitrogen and phosphorus on the yield and *chemical* **composition** of meadow foxtail [Alopecurus pratensis]. 030435
The effect of orchard factors on the *chemical* **composition** of apples. IV. Some effects of soil management and NPK [nitrogen, phosphorus, potassium] fertilizers. 030481
Kelp extract as fertiliser. 2. Effect on *chemical* **composition** and element uptake of white clover. 030504
Yielding capacity of irrigated pasture and *chemical* **composition** of fodder according to the level of fertilizer application. 030578
Natural mulch or *chemical* **conditioner** for reducing soil erosion in humid tropical areas. 030616
Storm induced relationships among *chemical* **conditions** and phytoplankton [Algae] in Saginaw Bay and western Lake Huron. 026805
Chemical **constituents** of Choisya ternata Kunth. Flavonoids of the petals. 026781
Influence of temperature on growth of Froker oats for forage. II. Concentrations and yields of *chemical* **constituents.** 026935

Comparative study of the *chemical* **constituents** of edible and saponin bearing Dioscorea tubers. 027180
Legislation on rum and its *chemical* **constitution.** 021688
Chemical **control** and bacteriology of yogurts (test for codifying techniques). I. Chemical analysis. 021838
Chemical **control** of fleece wool and sheep dip micro-organisms. 022694
Bloom blight [of Camellia] at show time [Sclerotinia camelliae, *chemical* **control**]. 027893
Chemical **control** of soybean rust [Phakopsora pachyrhizi]. 028081
Chemical **control** of Pseudomonas lachrymans bacterial disease of cucumbers. 028125
Chemical **control** of diseases on lilies. 028298
The efficiency of agrotechnical and *chemical* **control** of weeds [in cotton stands]. 028527
Brush spraying *[Chemical* **control**]. 028580
A comparison of *chemicals* for the **control** of Nysius [huttoni] on brassicas [fodder crops]. 028772
Chemical **control** of pasture pests [Wiseana, Costelytra zealandica] on the West Coast [South Island]. 028773
Investigations on the biology, distribution, economical importance and possibilities of *chemical* **control** of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli [Pest of cereals]. 028794
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, *chemical* **control,** carrot insect pests]. 028886
Investigations on the biology, damage, natural enemies and the *chemical* **control** measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western part of Turkey. 028893
Angoumois grain moth [Sitotroga cerealella]: *chemical* **control** of infestation in shelled corn. 028979
Chemical **control** [Mosquitoes]. 029061
Chemical **control** of the sea lamprey: the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the environment [Water pollution]. 030876
Analysis of pesticides by *chemical* **derivatization.** I. A new procedure for the formation of 2-chloroethyl esters of ten herbicidal acids. 029115
Chemical **desiccation** of potato tops, a useful component in the technology of mass crop production [Harvesting aid]. 027848
Mechanical-chemical **destruction** of polysaccharides of cellolignin in the presence of phosphoric acid [Wood hydrolisis]. 025313
The effect of selected plastic films and *chemical* **dips** on the shelflife of Marmande tomatoes. 022942
Ecological *chemical* evaluation of waste treatment procedures: the behavior of xenobiotics in waste composting. 030877
Approaches to insect control based on *chemical* **ecology**—case studies [Callosobruchus chinensis, pests of stored products]. 028976
Biological cycle of *chemical* **elements** in Central Taiga fir forests [Forest litter, soil humus]. 030284
Ultrastructure and *chemistry* of **Epidermophyton** floccosum cell walls [Pathogenic fungi]. 026015
Morphological and *chemical* **evolution** of chromatin during spermiogenesis of the locust Locusta migratoria. 029434
Chemical **examination** of seleniferous cabbage Brassica oleracea capitata. 027187
Morphological, physical and *chemical* **features** of red clover, importat for the drying process. 027042
Bioflocculation and the accumulation of *chemicals* by **floc-forming** organisms [Water pollution treatment]. 030874
Reaction of oxidized lipids with protein. 10. Effect of protein on the autoxidation of phospholipids [**Food** *chemistry].* 022523
Structure and bitter taste in the hulupone series [**Food** *chemistry].* 022524
Aflatoxin can be degraded by the mycelium of Aspergillus parasiticus [Fungi, **food** *chemistry].* 026859
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of *chemical* and **freeze-substituting** techniques in determining the in vivo condition of the plasmodesmata [Algae]. 026439
The effects on growth and flowering of the *chemical* **growth** regulators ethephon on Narcissus and ancymidol on tulip. 027086
Chemical **herbicides** carefully applied. 028531
Stereochemistry of sugar and sugar alcohols in regard to its biochemical and *physiological-chemical* **importance** [Nutrition]. 022174
Morphological and *chemical* **indices** of eggs of hybrid and line-bred poultry with varying levels of nutrition. 024241
Chemical **induction** of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
An honor for super slurper [**Industrial** *chemicals* from starch that is in excess of food needs]. 022737
The *chemical* **influence** of the duodenal contents on the activity of the antrum and duodenum of sheep. 023453
A *chemical* **influence** of ants [Formica fusca] on wing development in aphids [Aphis fabae]. 029323
Antioxidant function of tocopherol and possibility of replacing it by synthetic **inhibitors** *[Chemistry].* 022214
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to *chemical* **inhibitors.** 027053
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by *chemical* **ionization** reconstructed mass chromatography. [Human atherosclerosis]. 022154
Synthesis of guaiacylglycerol-beta-guaiacyl ether [**Lignin** *chemistry].* 025367
Chemistry and **metabolism** of ascorbic acid and ascorbate sulfate. 022028
Chemical **method** as a component of integrated system of contrlling pests and diseases. 028669
Biological, physical and *chemical* **methods** in the purification of waste water. 030894
Creation of millet breeding stock by *chemical* **mutagenesis.** 026139
Host-mediated assay and urinary assay with the same mice for the detection of *chemical* **mutagens** in Saccharomyces cerevisiae [Yeasts]. 026093
A new method for treating perennial fruit trees with *chemical* **mutagens.** 026217
The effect of *chemical* **mutagens** on the growth of Quercus robur seedlings. 027323
Field screening of **new** *chemicals* for herbicidal activity, 1975 [Economic crops]. 028530
Fast-growing poplar as raw material for **obtaining** *semi-chemical* pulp which is used for the production of white papers. 025516
Chemical, **palatability** and cooking characteristics of normal and low quality [pale, soft, exudative] pork loins as affected by freezer storage. 022674
Influence of technological additives and of heating temperature on some *chemical* and **physical** changes in canned meat. I. Alteration of tin and iron content by corrosion of can. 021953
Recycling. 42. **Physical** *chemistry* of powdered milks. 022641
A comparison of some *chemical* and **physical** properties of alkali lignins from grass and lucerne hays before and after digestion by sheep. 023776
Chemical, **physical** and biological composition of "typical" secondary effluents. 030954
Effects of *chemicals* and **plastic** mulch on nematode populations and yield of tomato. 028407
Plutonium in mammals: influence of **plutonium** *chemistry,* route of administration, and physiological status of the animal on initial distribution and long-term metabolism. 023419
Chemical **pollutants:** polychlorinated biphenyls is still a threat. 030963
Use of expanded color scales to **predict** *chemical* and visual changes in solutions [Cranberry juice]. 022939
[Chemical] **preparations** against aphids [Cotton pest control]. 028767
State and perspectives of *chemical* **processing** of poplar wood in Czechoslovakia. 025523
Evaluation of *chemical* **products** in the control of Pellicularia koleroga Cke. [Coffee fungus disease]. 028090
Studies on structure and *physico-chemical* **properties** of starch. 2. Reaction of epichlorohydrin with corn starch. 022747
Influence of parboiling on the physical and *chemical* **properties** of rice. 022762
The efficiency of *chemical* **protection** of tobacco from tomato spotted wilt. 028278
Chemical **protection** of plants and preservation of human health. 029185
A new method for the *chemical* **purification** of hardwood and conifer stands. 025188
The lichen Dimelaena oreina in east-central Asia, with notes on its typification and *chemical* **races.** 025605
Chemical **races** of Dimelaena oreina (Ach.) Norm. With special regard to behavior in Central Europe (Lichenes, Physciaceae). 026420
Recent *chemical* and biological studies on natural [plant] products at the Central Drug Research Institute, Lucknow. 026549
Pheromones and **related** *chemicals* in some USDA insect control programs. 028649
Floor care supplies; what you should know about the three major types: *chemicals,* **replaceable** tools and machines. 022323
Global inputs and trends of *chemical* **residues** in the biosphere. 030879
Chemistry of the **Rubiaceae.** 1. Quinone components of Putoria calabrica Pers. 026361
Compatibility of Rhizobium japonicum with *chemical* **seed** protectants [Fungicides, soybeans, nodulation]. 026888
Chemical **seed** treatment to control damping-off of cotton seedlings [Rhizoctonia solani]. 028082
Studies on the high-yield pulping of tropical woods. I. On the neutral sulfite **semi** *chemical* pulping. 025271
Pheromones as *chemical* **signals:** the pheromone system of the honeybee [Apis mellifera]. 029786
Pheromones as *chemical* **signals** [Apis mellifera]. 029787
Effects of fertilizer, barnyard manure, and crop residues on irrigated crop yields and **soil** *chemical* properties. 030437
The effectiveness of resin tapping using new *[chemical]* **stimulants** in the Central Urals. 025343
Chemical **stimuli** for feeding by [nematode] Aphelenchus avenae [Rhizoctonia solani, Caenorhabditis briggsae]. 028400
Chemical **stimulus** determinants of cat geniculate ganglion chemoresponsive group II unit discharge [Taste]. 023370
Streamflow *chemistry* and nutrient yields from upland-peatland watersheds in Minnesota. 025022
Chemical and **structural** differences in mycelial and regeneration walls of Trichoderma viride [Fungi]. 026375
Structural *chemistry* of plant glycuronoglycans. 026823
A study on the influence of the **structural** *chemical* constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. 027178
Morphological and *chemical* **study** on grain characteristics of indigenous Thai rice variety. 022810
Use of *chemical* **supplements** for feed preservation. 023087
Chemical **synthesis** of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and optical specificity and its neurotoxic action[Lathyrus sativus]. 026402
Control of a looper, Lambdina atbasaria atbasaria, on hemlock [Tsuga canadensis] with **three** *chemical* insecticides [Carbaryl, trichlorphon, acephate]. 028944
Disinfectant effects of several *chemicals* against **Toxoplasma** oocysts [Cats, chickens]. 024627
Chemical **treatment** of potatoes in seed plots [Pesticide injuries]. 028455
The behaviour of aphids [Aphididae] as influenced by different plant species and their *chemical* **treatment,** related to the percentage of piercing specimens and to the short-term probes. 028638
Chemical control of the sea lamprey: the addition of a *chemical* **[3-Trifluoromethyl-4-nitrophenol]** to the environment [Water pollution]. 030876
Chemistry of **vitamin** E and its biological derivatives. 022215
Water *chemistry* and fertility of twenty-three Connecticut lakes. 030638
Upgrading primary treatment with *chemicals* and **water** treatment sludge. 030934
Chemical **weed** control in lupins. 028548
Chemical **weed** control in Solanum laciniatum. 028549
Chemical **weed** control guide; summer crops—1975. 028579
Chemical **weed** control of seed plantings of perennial grasses. 028626
1975 *chemical* **weed** control: task of obtaining maximum effect. 028635
The planning of working capital in **wood** *chemistry* industry under new conditions of economic operation. 025094
Production of charcoal briquettes at the Siavskii **wood** *chemistry* mill. 025320
The composition of black acid [a semiproduct of processing pyroligenous distillate] from **wood** *chemistry* enterprises. 025339
The effect of accompanying admixtures on the oxidation rate of n-cymene from **wood** *chemical* processing. 025341
The methodology of optimization of technological processes of **wood** *chemical* industry. 025348

CHEMISTS

Academician of the Academy of Sciences, Belorussian SSR, Pavel Prakopavich Rahavoi—on the occasion of his 80th anniversary [Soil scientists, **agricultural** *chemists].* 030380

CHEMOSTERILANTS

The inhibiting effect of tris (1-aziridinyl) phosphine sulphide (Thiotepa) *[chemosterilant]* on the **reproduction** of Blattella germanica L.). 028997
The sterilizing effect of tris (1—aziridinyl) phosphine sulphide (Thiotepa) *[chemosterilant]* on the **species** musca domestica L., depending on age. 028998

CHEMOTAXIS

Signal input for a *chemotactic* **response** in the cellular slime mold dictyostelium discoideum. 026814

CHEMOTHERAPY

Observations on a herd of beef cattle maintained in a tsetse [Glossina] area. I. Assessment of *chemotherapy* as a **methodfor** the control of trypanosomiasis. 024739

CHENOPODIACEAE

Species of the subtribe **Sevadinae** *(Chenopodiaceae)* [New taxa]. 025736
Leaf **structure** in *Chenopodiaceae.* 025956

CHENOPODIUM

Influence of weed competition on sugarbeet yield [Polygonumlapathifolium, *Chenopodium* **album,** Commelina communis, Echinochloa crusgali]. 028581
Experiments to verify the plum pox virus (PPV) by communicating it on *Chenopodium* **foetidum** Schrad. 028291
Systematic relationships in the narrow-leaved species of *Chenopodium* of the **western** United States. 025636

CHERNETIDAE

Pseudoscorpions from Florida. 4. The genus **Dinochernes** *(Chernetidae)* [New taxa]. 029590

CHERNOZEM

Susceptibility of organic matter of *Chernozemic* **Ah** horizons to biological decomposition. 030198
Problems in breeding potatoes in the *non-Chernozem* **area.** 026210
Physical investigations of the plow pan of a **degraded** *Chernozem* soil. 030258

CHERRIES

Prospects for the cultivation in Italy of the Capuli **black** *cherry,* Prunus serotina subsp. capuli (Cav) McVaugh. 027710

Cherry [**Captain** Collingwood] Ingram [Plant collecting and breeding, England]. 025558

Investigations on the etiology of *cherry* **decline** in the German Democratic Republic and the Moldavian Socialist Soviet Republic [Virus diseases]. 028305

Mass marking techniques for **European** *cherry* fruit fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. 028896

Carbonyl-propylene glycol interactions in *[cherry]* **flavor** systems. 022497

Variations in chlorophylls and carotenoids content of the *cherry* **harvested** at different stages of growth and ripening. 027237

Cherry **leaf** roll virus in Sambucus ebulus L. 028173

Localisation of *cherry* **leaf** roll virus in Prunus avium x Prunus pseudocerasus rootstocks. 028185

A leaf mosaic in the Russian apple clone R 12 740-7A connected with a strain of *cherry* **necrotic** ringspot virus. 028166

Tetracycline therapy of pear decline and X-disease in **peachand** *cherry* [Virus diseases]. 028201

The phenolics of fruits. VII. The phenolics of *cherries* and **plums** and the changes in catechins and hydroxycinnamic acid derivatives during the development of fruits. 023006

Dual infection of **Roundel** *cherry* with ring mottle and European rusty mottle viruses. 028177

Management of **sweet** *cherries* culture in 1975. 027797

Monilinia [laxa] life cycle on **sweet** *cherries* and its control by overhead sprinkler fungicide applications. 028072

Differences between twisted leaf and tomato bushy stunt virus in **sweet** *cherry.* 028176

Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum *[Sweet-cherry* **trees,** leaf spot]. 028131

Susceptibility of diapausing pupae of the **western** *cherry* fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854

CHEST *see* THORACIC

CHESTNUTS

Contributions to topological study of *chestnut* [**Castanea**] stands on the hill piedmonts of Baia Mare. 025226

CHEWING

Chewing **time** and volatile fatty acid production in steers [Feed roughage]. 023856

CHEYLETIDAE

Males of three species of *Cheyletus* **(Acarina:** Cheyletidae). 029655

Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of males and immature stages **(Acarina:** *Cheyletidae).* 029659

Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, *Cheyletiellidae)* and **Micromonosora** chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the skin of pigeon. 028989

Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, *cheyletid* **mite** with descriptions of males and immature stages (Acarina: Cheyletidae). 029659

CHEYLETIELLA

Use of quill comb in the diagnosis of ectoparasites [Fleas, lice, *Cheyletiella* and **forage** mites, animals]. 029075

CHIASMA

Effect of minerals on the *chiasma* **frequency** in desynaptic pearlmillet. 026131

CHICKENS

Equipment probe 6: broilers, griddles, and *fryers:* the **ABC'sof** a successful foodservice operation. 022333

Structure and mode of function of the organelles associated with nutrition of the macrogametes of Eimeria **acervulina** *[Chickens].* 024791

Relative value of [Eimeria] oocyst counts in evaluating anticoccidial **activity** *[Chickens].* 024447

Metabolizable [dietary] energy determinations with **adult** *chickens.* 023822

Concentrations of serum proteins during **aflatoxicosis** *[Chickens].* 024996

Round heart syndrome in *chickens* in **Ankara.** 024865

Preparation of Newcastle disease virus hemagglutination-inhibition test **antigen** *[Chickens].* 024446

Susceptibility of *chickens* to **avian** encephalomyelitis virus. I. Clinical observation on day-old-chicks inoculated by various routes. 024490

Heritability of internal egg quality traits in White Leghorn **birds** *[Chickens].* 024079

Response of chickens with genetically different hemoglobin types to infection with Eimeria tenella and mechanical **bleeding** *[Chickens].* 024448

Maintenance of calcium and phosphorus levels in **blood** *[Chickens].* 023440

Occurrence of Trichomonas gallinarum in the **blood** of *chicken.* 024549

Myopathy of the deep pectoral muscle in broiler **breeder** *hens.* 024820

Interaction of aflatoxin with Eimeria tenella infection andmonensin in young **broiler** *chickens.* 024442

Histology of the developmental process of the femoral diaphysis and its pathological significance in **broiler** *chickens* [Bone diseases]. 024874

The effects of choline and inositol on hepatic lipid metabolism and the incidence of the fatty liver and kidney syndrome in **broilers** *[Chickens].* 024829

Disinfectant effects of several chemicals against Toxoplasma oocysts **[Cats,** *chickens].* 024627

Organization of an actin filament-membrane complex. Filament polarity and membrane attachment in the microvilli of intestinal epithelial **cells** *[Chickens].* 023497

Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid *[chicken]* **cells** for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530

Survey of drug resistance of *chicken* **coccidia** [Eimeria] collected from Japanese broiler farms in 1973. 024633

Effect of mode of infection on manifestation of symptom and oocyst production in *chicken* **coccidiosis.** II. Mixed infection with Eimeria acervulina and Eimeria tenella. 024621

Production and fates of unique organelles (transosomes) in ovarian follicles of Gallus domesticus *[chickens]* under various **conditions.** II. 024057

Quality characteristics of **convenience** *chicken* products as related to packaging and storage. 022727

Amino acid transport by aggregates of **cultured** *chicken* heart cells: Effect of insulin. 023476

Demonstration of immunoreactive retinol-binding protein and prealbumin in **developing** *chicken* embryo. 023582

Instead of a *chicken* **dinner** [Land utilization]. 021184

Spatial preference in the **domestic** *hen* [Housing]. 023100

A comparison of variations in plasma luteinizing hormone concentrations in male and female **domestic** *chickens* (Gallus domesticus) from hatch to sexual maturity. 023512

Nutrition plays a big part *[Chickens,* **egg** quality]. 023813

Lighting for *[chicken]* **egg** production. 029899

The transference of dietary mercury to the **eggs** in *chickens.* 023931

Studies on propagation and cytopathogenicity of fowl pox virus (Beaudette strain) on *chicken* **embryo** fibroblasts. 024568

A study of the sequences of *chicken* **embryo** lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762

Comparative studies of cortisol complexes formed with cytosol proteins from **embryonic** *chicken* (Gallus domesticus) and adult rat (Rattus rattus) liver. 023447

Synthesis and differentiation of plasma proteins in cultured **embryonic** *chicken* liver cells: a system for study of regulation of protein synthesis. 023624

The effect of overlay medium on plaque formation of tissue culture-attenuated Newcastle disease (TCND) vaccine virus *[Chicken* **embryos].** 024634

Methods of spread of velogenic viscerotropic Newcastle disease virus in the southern Californian **epidemic** of 1971-1973 *[Chickens].* 024443

Studies on avian *[chicken]* **erythrocyte** metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion exchange chromatography. 023378

Characterization and localization of the RNA synthesized in **mature** avian **erythrocytes** *[Chickens].* 023398

The response of *chickens* to **experimental** infection 'in ovo' with Mycoplasma synoviae. 024460

Studies on the solubilization of keratin. VI. The solubilization of *[chicken]* **feather** keratin by oxidation with performic acid. 022731

Studies on establishment of SPF [specific pathogen free] *chicken* **flocks** and SPF egg production. 024691

Changes in plasma glucose and liver glycogen following the administration of gluconeogenic precursors to the starving **fowl** *[Chickens].* 023376

Testing and management of a specific pathogen **free** *chicken* flock with special reference to avian leukosis virus infections. 024400

Response of *chickens* with **genetically** different hemoglobin types to infection with Eimeria tenella and mechanical bleeding [Chickens]. 024448

Efficiency of part record selection to improve annual record egg production in *chickens* **[Genetics].** 024078

Chicken **glucagon:** Isolation and amino acid sequence studies. 023478

The effect of feeding high levels of low-quality proteins to **growing** *chickens.* 023706

Studies on the effect of the alteration in the internal environment of poultry egg on embryonic growth. V. Effect of albumin removal on embryonic **growth** in *chickens.* 023661

Interaction of aspartate transaminase from *chicken* **heart** cytosol with analogs of pyridoxal phosphate. 023310

Immunoglobulin-bearing lymphocytes of the *chicken.* I. **Heavy** chain immunoglobulin commitment and organ distribution. 024515

Influence of strain of *chickens* on the **immune** response to vaccination against Marek's disease. 024457

Newcastle disease virus pathogenesis in the respiratory tract of local or systemic **immunized** *chickens.* 024444

Age at flock maturity—how **important** is it? *[Chickens].* 024161

Scanning electron microscopy of the duodenal mucosa of *chickens* **infected** with Eimeria acervulina. 024664

The onset and progress of transformation of avian slow into fast muscles under neural **influence** *[Chickens].* 023612

Studies on phospholipases of *chicken* **intestine.** 023438

Studies on phospholipases of *chicken* **intestine.** 023439

Mortal poisoning of *chickens* by **ivy** [Hedera helix] seeds. 024985

On the control of arginine metabolism in *chicken* **kidney** and liver. 023394

Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK *[chicken* **kidney]** attenuated virus. 024482

Effect of energy level of the ration on fatty liver in cage **layer** *hens.* 023773

Restricted feeding of *Leghorn* **layers** [Chickens]. 023720

Residues of [antibiotic] drugs in eggs after medication of **laying** *hens* for eight days. 021832

The effects on liver metabolism of administering excesses of biotin to immature pullets and **laying** *hens.* 023341

Absorption and distribution of 32P [phosphorus isotope]-labeled diisopropyl fluorophosphate in the **laying** *hens.* 023345

Utilization of lutein and lutein-fatty acid esters by **laying** *hens.* 023526

Effect of different combinations of lysine and sulphur-containing amino acids on egg production of **laying** *hens.* 023690

The effects of levels of calcium, phosphorus and vitamin D on bone deveopment and eggshell quality in modern **laying** *hens.* 023825

Utilization of hen manure by **laying** *hens* and chicks [Feeding]. 023848

Apparent digestibility of the amino acids of sunflower and sesame seed meals in **laying** *hens.* 023924

The influence of prostaglandins on the in vitro motility of the oviduct of the **laying** *hen.* 024256

Study on Marek's disease in **laying** *chickens.* 024678

Early body weight of five strains of White **Leghorn** *[Chickens].* 023338

Selection of *chickens* for a **local** broilor strain and the effect of heterosis on growth. 024189

Utilization of *hen* **manure** by laying hens and chicks [Feeding]. 023848

The effect of intermittent lighting programmes on the production of **market** *chickens* and turkeys. 023675

Selection of cocks of *[chicken]* **meat** lines according to sperm quality. 024248

Mode of secretion of pineal **melatonin** in the *chicken.* 023417

Cages—Are they costing you **money!** *[Chickens].* 021427

Demonstration in tissue culture of cellular immunity of fowl cholera [Pasteurella **multocida,** *chickens].* 024537

Chicken **neutrophils:** oxidative metabolism in phagocytic cells devoid of myeloperoxidase. 023620

An outbreak of infectious bursal disease (IBD) of *chickens* in **Nigeria.** 024751

Hemagglutinating properties of CELO *[chicken-embryo-lethal-orphan],* an **oncogenic** avian adenovirus. 024437

Some physiological characteristics of motility in the in vivo avian **oviduct** *[Chickens].* 024039

Vocal reactions of *chickens* to different **parameters** of electrical stimulation of midbrain. 023524

Mass incidence of **perosis** in *chickens.* 024922

Myotonia and block of chloride conductance by iodide in avian muscle *[Chickens,* **pigeons].** 023222

Ultrastructural observations of amorphous bone mineral in avian bone *[Chickens,* **pigeons].** 023354

Effect of social stress and inherited plasma corticosterone levels in *chickens* on **populations** of the northern fowl mite, Ornithonyssus sylviarum. 029031

Isolation and characterization of the lipids from the *chicken* **preen** gland. 022726

Breeding for broiler **production** *[Chickens].* 024075

Regulation of in vitro mRNA transcription by a fraction of chromosmal **proteins** *[Chickens].* 023488

Day-length during rearing and the subsequent egg production of meat-strain **pullets** *[Chickens].* 023337

Comparison of nutritive values of groundnut oil cake and Niger oil cake for laying **pullets** *[Chickens].* 023712

Restricted feeding of laying **pullets** *[Chickens].* 023744

A new look at restricted feeding of **pullets** *[Chickens].* 023814

Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA [human serum albumin] in **rabbits** and *chickens.* 024523

Study of returns obtained from using liquid brewer's yeast as a feed supplement to *chicken* **rations** [Costs]. 021438

Value of crushed coral as a source of calcium in layer **rations** *[Chickens].* 023879

Infectious bursal agent of *chickens* **reduces** the incidence of lymphoid leukosis. 024456

A note on th pathology of **reticuloendotheliosis** *[Chickens].* 024879

Influence of age on the serological response of *chickens* to **Salmonella** typhimurium infection. 024440

The pH [hydrogen-ion concentration] of cecal **secreta** in *chickens.* 023577

Effect of strain and age on the relationship of oviposition time to shell **strength** *[Chickens].* 023339
Hens and **swine** in Hanover [Barns and equipment]. 029922
Effect of ribose and ribose-5-phosphate on uric acid **synthesis** in the *chicken.* 023574
2,4,6-trichloroanisole in broiler house litter: a further cause of musty **taint** in *chickens.* 024975
The effect of luteineizing hormone on *chicken* **testis** and pineal gland uptake of 32P [phosphorus isotope]. 024070
An antigen in normal avian cells which confuses virological and serological **tests** *[Chickens].* 024454
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the gastrointestinal **tract** of the *chicken.* 023541
Evidence for noradrenaline and adrenaline as sympathetic **transmitters** in the *chicken.* 023324
Restricted feeding of boiler **type** *chickens.* 023794
Specific B lymphocyte suppression by infectious bursal agent (Gumboro disease **virus**) in *chickens.* 024516
Early body weight of five strains of **White** *Leghorn* [Chickens]. 023338
Prehatch color stimulation effects on color pecking preferences and color discrimination learning in **White** *Leghorn* chicks. 023386
The development and modification of object preferences in domestic **White** *Leghorn* chicks. 023387
Distribution of blood glucose and cholesterol levels in **White** *Leghorn* birds in relation to age, sex and reproduction. 023441
Heritability of internal egg quality traits in **White** *Leghorn* birds [Chickens]. 024079
A study on estimating genetic combing. Ability of economic traits in single crosses of single combing **White** *Leghorns.* 024203
Genetic study of early activity in open-field of the **young** *chicken.* 024016
The susceptibility of **young** *chickens,* ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. 024821

CHICKPEAS

Relative stability of pure lines, varietal mixtures and segregating populations in *chickpea* **(Cicer** arietinum L.). 026182
Gastrointestinal gas production in rats fed on diets containing germinated legumes [Greengram, *chickpea* and **cowpea].** 022183
Bacterization of *chickpeas* can **produce** heavier yields in the Negev. 027748
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Wheat, barley, *chickpeas,* **rice].** 026967
Oscillating screen motion effect on the particle passage through perforations *[Chickpea* **seed].** 030146

CHICKS

The effect of dietary margaric acid on the retention of several fatty **acids** in *chicks.* 023782
Ovalbumin mRNA and ovalbumin DNA and the molecular biology of steroid hormone **action** *[Chicks].* 023197
Gross protein value of dehydrated poultry manure and various supplements determined by **broiler** *chicks.* 023838
Characterisation of the adrenoceptor mediating changes in cyclid adenosine 3'-5' monophosphate in *chick* **cerebral** hemispheres. 023592
Using the HmL1 strain of Histomonas meleagridis in evaluating **chemotherapeutants** in *chicks.* 024453
Studies on experimental vitamin A deficiency in *chicks*—**clinical** picture. 024845
Selective inhibition of the facilitated mode of sugar uptake by cytochalasin B in **cultured** *chick* fibroblasts. 023401
Relationships between the wave form of ECG [electrocardiogram] and the morphological properties of the heart in the **developing** *chick* embryo. 023575
The influence of innervation on the differentiation of contractile speeds of **developing** *chick* muscles. 023611
Amino acid composition of keratins of chimeric neoptile feathers resulting from heterospecific ecto-mesodermal recombinations between the *chick* and the **duck.** 023348
Erythropoiesis in cultures of dispersed cell preparations from **early** *chick* blastodiscs. 023399
Histochemical and histoenzymological investigations of the vertebral chondrogenesis in the *chick* **embryo.** 023240
Effects by heme, insulin, and serum albumin on heme and protein synthesis in *chick* **embryo** liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Differential effect of hormones on macromolecular synthesis and mitosis in *chick* **embryo** cells. 023493
Estrogen target sites in the brain of the *chick* **embryo.** 023653
Electron microscopical study of initial and final stages of fowl plague virus-replication in *chick* **embryo** cells. 024421
Regulation of sugar transport in *chick* **embryo** fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
A light and electron microscopic study of the **embryonic** *chick* otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free salt solution. 023383
Calcium-related changes of enzyme activities in energy metabolism of cultured **embryonic** *chick* myoblasts and myotubes. 023392
Intercellular adhesive selectivity. I. An improved assay for the measurement of **embryonic** *chick* intercellular adhesion (liver and other tissues). 023494
Intercellular adhesive selectivity. II. Properties of **embryonic** *chick* liver cell-cell adhesion. 023495
Spontaneous and lectin-induced redistribution of cell surface receptors on **embryonic** *chick* neural retina cells. 023502
Precocious development of glucuronidating and hydroxylating enzymes in *chick* **embryos** treated with pituitary grafts. 023284
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells *[Chick* **embryos,** cattle]. 023288
Intermediates in the limited proteolytic conversion of procollagen to collagen *[Chick* **embryos].** 023299
Production by creatine of creatine kinase B synthesis in developing monolayer culture muscle cells *[Chick* **embryos].** 023312
The response of *chick* **embryos** to exogenous parathyroid hormone. 023418
Mobility of normal and virus-transformed cells in cellular aggregates *[Chick* **embryos].** 023496
Synthesis of myosin heavy and light chains in muscle cultures *[Chick* **embryos].** 023498
The behavior of fibroblasts from the developing avian cornea. Morphology and movement in situ and in vitro *[Chick* **embryos].** 023499
Triploidy and haploid-triploid mosaicism among *chick* **embryos** (Gallus domesticus). 024059
Binding of polyriboinosinic-polyribocytidylic acid with cultured cells [Mice, *chick* **embryos,** rabbits]. 024419
In vitro radiolabeling procedure which labels the proteins of Newcastle disease virions with carbon-14 *[Chick* **embryos].** 024575
Focus assay and defectiveness of avian myeloblastosis virus *[Chick* **embryos].** 024764
Utilization of hen manure by laying hens and *chicks* **[Feeding].** 023848
Changes in lectin-induced deoxyribonucleic acid synthesis in cultures of *chick-embryo* **fibroblasts** at various stages of development. 023274
Isolation and characterization of Aspergillus **fumigatus** *[Chicks].* 024687
The effect of high dietary sodium chloride on renal **function** in *chicks.* 023713
Characteristics of the noradrenergic innervation of the left atrium in the *chick* **(Gallus** gallus domesticus, L.). 023381
Response of congenitally **immune** *chicks* to viscerotropic velogenic Newcastle disease virus. 024449
Susceptibility of chickens to avian encephalomyelitis virus. I. Clinical observation on *day-old-chicks* **inoculated** by various routes. 024490
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian infectious bronchitis virus in *chick* **kidney** cells. 024420
Prehatch color stimulation effects on color pecking preferences and color discrimination learning in White **Leghorn** *chicks.* 023386
The development and modification of object preferences in domestic White **Leghorn** *chicks.* 023387
Effect of small doses of insecticide on the **liver** of *chicks.* 025006
The effect of dietary fatty acids on fatty acid distribution of lipids in neck adipose pads and superficial pectoral **muscle** of *chicks.* 023783
Nickel deficiency and **nickel-rhodiuminteraction** in *chicks.* 023538
Effects of cholecalciferol on the translocation of calcium by **non-everted** *chick* ileum in vitro. 023275
Hormonal regulation of ovalbumin synthesis in the *chick* **oviduct.** 023641
Cytoplasmic and nuclear binding components for 1alpha,25-dihydroxyvitamin D3 in *chick* **parathyroid** glands. 023621
The trypsin and chymotrypsin inhibitors in *chick* **peas** (Cicer arietinum L.). Purification and properties of the inhibitors. 027172
Procollagen biosynthesis by *embryonic-chick-bone* **polysomes.** Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. 023396
Use of an isolator system to study the selective pressure of sulfaquinoxalin-containing coccidiostats on Escherichia coli **population** in *chicks.* 024810
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and mammals *[Chick,* **quail** and mouse embryos]. 023351
Outbreak of avian encephalomyelitis in *chicks* **raised** in [South] Korea. 024689
Nutrient utilization, body composition and meat quality as affected by energy protein **ratio** *[Chicks].* 023841
A methionine substitute: 4-methylthiobutane-1,2-diol [Nutritive **value,** *chicks].* 023747
Newcastle disease vaccines: a study of duration of immunity and properties of LaSota vaccine given in drinking **water** *[Chicks].* 024478
Sexual dimorphism in the **weight** of *chicks.* 024045
Management of **young** *chicks* [Rearing]. 023139

CHICORY

The effect of 3-indolylacetic acid on the accumulation of starch in the root tissue of Cichorium intybus L. *[Chicory]* **cultured** in vitro. 027097
Carbohydrate changes in *chicory* during **forcing.** 027196
Contribution to the study of vernalization by cold treatment on the root of Cichorium **intybus** L. *[Chicory].* 027225

CHILDREN

Relationship between diet during pregnancy and nutritional status of the new **born** *[child].* 022110
TV advertising and its effects on *children's* **eating** habits. 022096
Food intake, its relationship to body weight and age, and its apparent nutritional adequacy in New **Guinean** *children.* 022001
Evaluation of a low-lactose nutritional supplement in **malnourished** *children.* 022122
What clothing **means** to the *child.* 022233
Hydroxyproline index: an indicator of nutritional status; study of **Mississippi** *children.* 022124
Vitamin C and upper respiratory illness in **Navaho** *children:* preliminary observations (1974). 022051
Child **Nutrition** Bicentennial Project. 022349
March to the tune of the *Child* **Nutrition** Bicentennial Project. 022354
Supplementary value of leaf protein and groundnut meal in the diet of **preschool** *children.* 022112
The impact of schools on learning achievement of *children* **[Rural** sociology]. 021137

CHILIS

Studies on the drying and packaging of *chilli* and **garlic.** 022535

CHILLI *see* CHILIS

CHILO

Nomenclatural changes in stem borers *[Chilo]* of **gramineous** crops. 029581
Identification of the female sex pheromones of the moth, *Chilo* **suppressalis.** 029412

CHILOPODA

Influence of external factors on the oogenetic cycle of Lithobius forficatus L. **(Myriapoda,** *Chilopoda).* 029237
Experimental study of the endocrine regulation of ovogenesis in Lithobius forficatus L. (Myriapoda, *Chilopoda).* **Role** of the pars intercerebralis. 029361

CHIMAPHILA

Chimaphila **maculata** in New Hampshire. 025808

CHIMERA

Chimeras, **hyperplasia,** and hypoplasia in frost burls [in conifers and hardwoods] induced by low temperature. 025017
Amino acid composition of keratins of *chimeric* **neoptile** feathers resulting from heterospecific ecto-mesodermal recombinations between the chick and the duck. 023348

CHIONOCHLOA

Chionochloa **species** from Australia and New Guinea (Poaceae: Arundinoideae) [New taxa]. 025817

CHIP

Heating and weight-loss sequences in maple [**Acer** *saccharum]chip* piles and the effect of borax. 025509
Storage of red alder [Alnus rubra] *chips* with and without **bark**—treated and untreated. 025533
Effect of temperature on the process of extraction of products of pre-hydrolysis from *chip* **cellolignin.** 025306
Debarking *chips* from whole trees [Populus, Acer saccharum, Pinus banksiana] in the Lake States. 025534
Gas regime of **industrial** *chips* relative to change in quality and density during open storage. 025393
Distribution of grain size in baked **rye** *chips.* 022749
Distribution of grain size in baked **rye** *chips.* 022750
Degree of filling of the feeding chutes of **wood** *chippers.* 025355
On modernization of auto transport of **wood** *chips.* 025446

CHIRONOMIDAE

Glacier **brook** *chironomids* of the Otztal Alps in Tyrol (Diptera: Chironomidae: Diamesinae). 029579
Ultrastructure of Gurleya chironomi n. Sp., microsporidan parasite of the genus Orthocladius **(Diptera,** *Chironomidae).* 029486
Mosquito and *chironomid* **midge** control by planaria [Insect pests, biological control]. 029001
Lethal levels of sodium chloride and potassium chloride for an oligochaete, a *chironomid* **midge,** and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Nearctic and Palaearctic Heterotrissocladius (Diptera: *Chironomidae)* [New taxa]. 029548

Mitochondria and polarity in the egg of Smittia spec. (Diptera, *Chironomidae):* UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507

CHIRONOMUS

Control of nuisance midges *[Chironomus* **riparius]** in a channel receiving treated municipal sewage. 029037

CHIROPTEROPHILY

Chiropterophily in **Lafoensia** pacari St. Hil., (Lythraceae) in the Serra do Cipo, Minas Gerais. 026525

CHITIN

Glycopeptides from *chitin* **[Insects** and crustaceans]. 029296
Biosynthesis of *chitin* by **particulate** fractions from Cunninghamella **elegans** [Fungi]. 026671
Timing and function of *chitin* **synthesis** in yeast [Saccharomyces cerevisiae]. 026626
Of *chitin,* **thorax,** and a billion years [Insects]. 029244

CHLAMYDIA

Enzootic abortion in swine—the nature of the **disease** *[Chlamydia].* 024770
Growth of ovis **variety** *Chlamydia* psittaci in cellular cultures and practical applications [Sheep]. 024703

CHLAMYDOMONAS

Notes on the edaphic algae of the Galapagos *[Chlamydomonas,* **Oscillatoria].** 025821
Evidence of a large, ramified mitochondrium in *Chlamydomonas* **reinhardii** [Algae]. 026056
Gametic differentiation in *Chlamydomonas* **reinhardtii** [Algae]. I. Production of gametes and their fine structure. 026019
Linkage of six genes in [the unicellular green alga] *Chlamydomonas* **reinhardtii** [Algae] and the construction of linkage test strains. 026195
Gametic differentiation in *Chlamydomonas* **reinhardtii** [Algae]. II. Flagellar membranes and the agglutination reaction. 026199
Gametic differentiation in *Chlamydomonas* **reinhardtii** [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in wild-type and mutant strains. 026200
A chlorophyll-protein complex lacking in photosystem I mutants of *Chlamydomonas* **reinhardtii** [Algae]. 026632
Polysaccharide from cell walls of *Chlamydomonas* **reinhardtii[Algae].** 026756
Mating in *Chlamydomonas:* a **system** for the study of specificcell adhesion. I. Ultrastructual and electrophoretic analyses of flagellar surface components involved in. 026020
Mating in *Chlamydomonas:* a **system** for the study of specificcell adhesion. II. A radioactive flagella-binding assay forquantitation of adhesion [Algae]. 026021

CHLAMYDOSPORES

Factors affecting the germination of *chlamydospore* of **Fusarium** oxysporum f. raphani [Fungi]. 026369

CHLORAL

Effects of hemiacetal of *chloral* and **starch** on the performance of beef steers [Cattle metabolisms]. 023454

CHLORAMINE

Thermometric (enthalpimetric) determination of organic compounds with sulfidic sulphur by means of *chloramine* B. 030411
Attempts at treatment of metritis in the mare by *chloramine* T **solution.** 2. Streptococcal metritis. 024702

CHLORAMPHENICOL

Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial protein synthesis by **erythromycin** and *chloramphenicol.* 026647
14C [carbon isotope] incorporation in *chloramphenicol* **inhibited** growth and its reversal by riboflavin in green gram [Mung beans]. 027164
Chloramphenicol **plasma** levels in horses, cattle and sheep after oral and intramuscular administration. 023678
Chloramphenicol or **tetracycline** as antibiotics in selective media for studies on fungi [Laboratory animals]. 024730

CHLORELLA

Four-step mechanism of water oxidation in photosynthesis [Algae, *Chlorella* **pyrenoidosa].** 026539
Specific photosynthesis of *Chlorella* **[pyrenoidosa]** in different regions of the spectrum [Algae]. 026543
The effect of transport on biostimulation of algal growth *[Chlorella* **pyrenoidosa,** Anacystis nidulans]. 026547
Changes in the growth rate of the concomitant microflora in algal cultures under illumination and in darkness *[Chlorella* **pyrenoidosa].** 026686
On the respiratory enhancement in *Chlorella* **pyrenoidosa** by blue light [Algae]. 026803
Ozone-induced loss of intracellular potassium ion from *Chlorella* **sorokiniana** [Algae]. 026788
Manganese and photosynthetic oxygen evolution by algae [Anabaena cylindrica, *Chlorella* **vulgaris].** 026690
Purification of NADH [nicotinamide adenine dinucleotide phosphate]-nitrate reductase [from *Chlorella* **vulgaris,** Algae] by affinity chromatography. 026791

CHLORIDES

Stabilization of the globular structure of ferricytochrome c by *chloride* in **acidic** solvents [Horse heart cytochrome]. 023303
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and **cadmium** *chloride* in male and female mice. 024156
Cycocel plant growth regulant: Fate of carbon-14 **chlorocholine** *chloride* in sugarcane grown in Hawaii. 026974
Myotonia and block of *chloride* **conductance** by iodide in avian muscle [Chickens, pigeons]. 023222
Ion absorption on *chloride* **epithelia** of caddisfly larvae (Trichoptera) [Glyphotaelius pellucidus]. 029339
Energy supply and **light-enhanced** *chloride* uptake in wheat laminae. 027022
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, **mercuric** *chloride,* and cadmium chloride in male and female mice. 024156
Mercuric *chloride* uptake by eggs of the ricefish and resulting teratogenic effects [Pollutants of aquatic environments]. 030813
Retardation of senescence in rice (Oryza sativa L.) leaves by benzimidazole and **nickel** *chloride.* 028422
Identification of vinyl chloride in **polyvinyl** *chloride* and simulated food solvents. 021836
The use of **polyvinyl** *chloride* foil during surface processing of particle boards. 025291
A comparison of potassium and chloride uptake by Tradescantia albiflora leaf cells at different KCl **[potassium** *chloride]* concentrations. 026387
Lethal levels of sodium chloride and **potassium** *chloride* for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Effect of **sodium** *chloride* on rehydration of freeze-dried carrots. 022931
The effect of high dietary **sodium** *chloride* on renal function in chicks. 023713
Lethal levels of **sodium** *chloride* and potassium chloride for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
The relationship between the ability to reduce 2,3,5-triphenyl **tetrazolium** *chloride* and aroma formation in various strains of **sake** [rice beer] yeast [Saccharomyces cerevisiae]. 022778
The effect of GA3 [gibberellic acid], Alar and CCC [2chloroethyl **trimethylammonium** *chloride]* on citrus cuttings. 027084
A comparison of potassium and *chloride* **uptake** by Tradescantia **albiflora leaf cells at different** KCl [potassium chloride] concentrations. 026387
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. Sodium, potassium, *chlorides,* **urea** and hematocrit. 024355
Identification of **vinyl** *chloride* in polyvinyl chloride and simulated food solvents. 021836
Gas-liquid chromatographic determination of **vinyl** *chloride* in vinyl chloride polymers, food-stimulating solvents, and other samples [Food packaging material]. 021913

CHLORINATED

Gas chromatographic characteristics of **authentic** *chlorinated* dibenzofurans; identification of two isomers in American and Japanese polychlorinated biphenyls. 029108
Occurrence of *chlorinated* **hydrocarbon** insecticides, southern Florida—1968-72. 029150
Levels of residues of *chlorinated* **hydrocarbons** in canned vegetables. 021859
On the contamination of milk and milk products with *chlorinated* **hydrocarbons.** I. Methods. 021982
Survival of enteroviruses on vegetables irrigated with *chlorinated* **oxidation** pond effluents [Wastewater treatment]. 021904
Evolution of *chlorinated* **phenols** from concentrated boron solutions containing these phenols added as their sodium salts [Wood preservation]. 025465

CHLORINE

Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] sucrose, and 36Cl *[chlorine* **isotope]** in sheep lung. 023460
Determination and significance of iodine and *chlorine* **residues** in milk after teat dipping. 021846
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, *chlorine,* **sodium]** in the medium on growth conditions of cells. 026912

CHLORITE

Purification of odorous effluent gases by oxidation using **sodium** *chlorite* [Food processing industry]. 030895

CHLORMADINONE

Fertility of estrus synchronized dairy heifers treated with CAP *[Chlormadinone* **acetate]** alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Normal fertility induced in cow by double short treatment with *chlormadinone* **acetate** (CAP). 023992
A **progestogen** *(chlormadinone* acetate = CAP) for cycle control and infertility treatment in the mare. 023978

CHLOROBENZILATE

Chlorobenzilate **[Acaricides,** residues]. 029116

CHLOROCHOLINE

Cycocel plant growth regulant: Fate of **carbon-14** *chlorocholine* chloride in sugarcane grown in Hawaii. 026974

CHLOROETHYL

Analysis of pesticides by chemical derivatization. I. A new procedure for the formation of *2-chloroethyl* **esters** of ten herbicidal acids. 029115
Regulated ripening of Coffea arabica L. In Kenya: studies on the use of *2-chloroethyl* **phosphonic** acid. 026317
The effects of gibberellic acid, *2-chloroethyl* **phosphonic** acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222
Primary liver carcinogenesis in rats after feeding with the pesticide, **2-(4-tert-butylphenoxy)-1-methylethyl** *2-chloroethyl* sulphite (Aramite). 029090
The effect of GA3 [gibberellic acid], Alar and CCC *[2chloroethyl* **trimethylammonium** chloride] on citrus cuttings. 027084

CHLOROFORM

Influence of *chloroform* **evaporation** on isolation and infectivity of barley stripe mosaic virus. 028161

CHLOROGENIC

Effects of roasting temperatures and gamma irradiation on the content of *chlorogenic* **acid,** caffeic acid and soluble carbohydrates of coffee. 022480

CHLOROPHACINONE

Study of *chlorophacinone* **toxicity,** an anticoagulant raticide, in ducks. 024947

CHLOROPHYCEAE

The in vitro sensitivity of some species of *Chlorophyceae* **[Algae]** to a selected range of herbicides. 028604

CHLOROPHYLL

Phytochrome control of the lag phase of *chlorophyll* **accumulation** in Lemna minor. 026448
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different spectral forms of *chlorophyll* a **[Ailanthus** altissima]. 026620
Chlorophyll **amount** for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll **amount** for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Study on pigments of Acalypha leaves: influence of water content in acetone solutions on **anthocyanins** and *chlorophylls.* 026705
Variations in *chlorophylls* and **carotenoids** content of the cherry harvested at different stages of growth and ripening. 027237
A *chlorophyll-protein* **complex** lacking in photosystem I mutants of Chlamydomonas reinhardtii [Algae]. 026632
Chlorophyll **content** and plastid ultrastructure in leaflets of Metasequoia glyptostroboides. 026054
Influence of reducing and oxidating compounds on iron accumulation and *chlorophyll* **content** in oat leaves. 026876
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with *chlorophyll* **content** in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on *chlorophyll* **content** in alfalfa. 026995
Crown-gall [Agrobacterium tumefaciens] on castor bean leaves. V. Effect of light and *chlorophyll* **content** on tumour initiation. 028130
The mineral nutrition of **culture** *chlorophyllous* cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. 026912
Bleaching of *chlorophyll* by **digitoxin** [Digitalis purpurea]. 026861
Temperature dependence of *chlorophyll* a **fluorescence** in relation to the physical phase of membrane lipids in algae and higher plants. 026794
Studies on the bonding states of the *chlorophylls* in **freezedried** [wheat] chloroplast lamellae by use of various solvents. 027004

Biosynthesis of *chlorophyll* b in a **homogenate** of green leaves in the dark and under light [Barley]. 026947
Nonnuclear mutations in sunflower. II. **Lethal** *chlorophyll* mutations in the progeny of plants with variegated leaves. 026286
Virus concentrations and *chlorophyll* **levels** in celery plants affected by cucumber mosaic virus and alfalfa mosaic virus, after treatment with gibberellin. 028235
Amino acid and fatty acid composition of *chlorophyll-deficient* **mutants** in peanuts Arachis hypogaea L. 026999
New *chlorophyll-b* forms in a chlorophyll-detergent photosynthetic model system [Algae]. 026408
Phycobilisomes: light-harvesting pigment complexes *[Chlorophyll,* **photosynthetesis].** 026419
New chlorophyll-b forms in a *chlorophyll-detergent* **photosynthetic** model system [Algae]. 026408
Photoproduction of ions from *chlorophyll* a in **solution** studied by flash photolysis and photoconductivity [Spinach]. 027220
Kinetin effects on carotenoids and *chlorophylls* of **Spirodela** polyrrhiza (L.) Schleiden under light and darkness. 026701
Inhibition of *chlorophyll* **synthesis** in Lemna minor by nalidixic acid. 026446
Chlorophyll **synthesis** in a yellow mutant of wheat. 026900
Characterization of the terminal stages of *chlorophyll(ide)* **synthesis** in etioplast membrane preparations [from maize and barley]. 026904

CHLOROPHYLLIDES

The crystal and molecular structure and absolute configuration of **ethyl** *chlorophyllide* a dihydrate. A model for the different spectral forms of chlorophyll a [Ailanthus altissima]. 026620
The crystal and molecular structure of **ethyl** *chlorophyllide* b dihydrate at -153 degrees [Ailanthus altissima]. 026621

CHLOROPLASTS

Fibrin membrane endowed with biological function. II. *Chloroplast* **adenosine** triphosphatase embedded in fibrin membrane. 026394
Reduction of oxygen by the electron transport chain of [spinach] *chloroplasts* during **assimilation** of carbon dioxide. 027140
Acidic composition of neutral lipids, glucolipids and phospholipids from olive tree leaves and *chloroplasts.* II. 027289
Presence of displacement loops in the covalently closed **circular** *chloroplast* deoxyribonucleic acid from higher plants [Peas, maize]. 026629
Photochemical activity of isolated **corn** *chloroplasts* in relation to heterosis. 026219
Changes in amino acid and peptide compositon of Euglena gracilis [Algae] cells during *chloroplast* **development.** 026796
Studies on the effect of aminotriazole on *chloroplast* **development** in Phaseolus radiatus L. [Beans]. 028509
Chloroplast **fluorescence** of C4 [carbon] plants. II. A photographic technique for obtaining relative fluorescence yields and spectra photographically [Dichanthium annulatum]. 026802
2,3-dihydroxybenzoate 2,3-oxygenase from the *chloroplast* **fraction** of Tecoma stans. 026777
Effect of phospholipase A on spectral and photochemical properties of *chloroplasts* and their **fragments** [Peas]. 027131
The starch content of *chloroplasts* in **fruit-bearing** and nonfruit-bearing eggplants and strawberries. 027116
Ultrastructural study of [kohlrabi and barley] *chloroplasts* **isolated** by various fractionation methods. 025935
Characteristics of thermoluminescence bands of intact leaves and **isolated** *chloroplasts* in relation to the water-splitting activity in photosynthesis [Spinach, wheat]. 026406
Kinetics of "aging" of photosynthetic apparatus of **isolated** *chloroplasts* [Peas]. 027167
Studies on the bonding states of the chlorophylls in freezedried [wheat] *chloroplast* **lamellae** by use of various solvents. 027004
Conformational changes in spinach (Spinacia oleracea) **leaves** *chloroplasts* in vivo [when exposed to red or blue light]. 027093
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and proteins of *chloroplasts* and **membranes.** 026933
Plastid development in a virescens barley mutant and *chloroplast* **microtubules.** 026112
Relaionship between the change in the *chloroplastic* **nitrogen** fractions and the rate of oxygen evolution in rice plants. 027049
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and *subchloroplast* **particles** as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
The location of catalase and peroxidase in isolated **pea** *chloroplasts* and their fragments. 027135
E.P.R. [Electron paramagnetic resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that *chloroplast* **photosystem** I particles contain 4Fe-4S centres. 026392
An evaluation of *chloroplast* **pigment** characteristics as an indicator of successional status in terrestrial ecosystems. 025859
Large-scale isolation of intact vacuoles and isolation of *chloroplasts* from **protoplasts** of mature plant tissues. 026067
Changes in *chloroplast* **ribosomal** proteins in a streptomycinresistant mutant of Euglena gracilis [Algae]. 026797
Chemically induced dynamic electron polarization in *chloroplasts* at **room** temperature: evidence for triplet state participation in photosynthesis. 026809
Biophysical characterization of mesophyll and bundle **sheath** *chloroplasts* isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and bundle **sheath** *chloroplasts* isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600
Excitation spectra for photosystem I and photosystem II in [spinach] *chloroplasts* and the **spectral** characteristics of the distribution of quanta between the two photosystems. 027136
Identification of the 120 mus phase in the decay of delayed fluorescence in **spinach** *chloroplasts* and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Regulation of ferredoxin-catalyzed photosynthetic phosphorylations *[Chloroplasts,* **spinach].** 027281
Changes in *chloroplasts* **structure** during autospore formation in Scenedesmus obtusiusculus [Algae]. 026052
A linear dichroism study using *chloroplasts* of various **structure** and pigment composition [Maize]. 027001
Temperature-induced phase changes on the kinetics of photosynthetic electron transfer in winter and spring **wheat** *chloroplasts.* 026908

CHLOROSIS

Bark split disease of prune trees and its association with strains of **apple** *chlorotic* leaf spot [virus]. 028172
Vegetative disorders in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) **[Apricot** *chlorotic* leaf roll virus]. 028207
Inclusions in mesophyll cells induced by a virus **causing** *chlorotic* streaks on leaves of Allium porrum L. [Leeks]. 028254
Transmission by grafting of a disease of peach in Greece resembling that of chlorotic leaf roll **(enroulement** *chlorotic)of* some Prunus species: observations on the symptomatology of the LF disease. 028234
Chlorosis of **fruit** trees. 028460
Studies on the *chlorosis* of **Japanese** pear trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected orchard soils. 028445
Studies on the *chlorosis* of **Japanese** pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an upland crop. 028446
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the *chlorotic* **leaf** spot virus. 028168
Transmission by grafting of a disease of peach in Greece resembling that of *chlorotic* **leaf** roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. 028234

CHOCOLATE

Soy products in *chocolate* and **cocoa:** their use as a complement or partner of milk protein. 022765
Procedural change in the official method for the extraction of light filth from cocoa, *chocolate,* and **press** cake. 021915
Growth of broadbeans infected by Botrytis fabae *[Chocolate* **spot].** 027992

CHOISYA

Chemical constituents of *Choisya* **ternata** Kunth. Flavonoids of the petals. 026781

CHOLECALCIFEROL

Effects of *cholecalciferol* on the **translocation** of calcium by non-everted chick ileum in vitro. 023275

CHOLERA

Antitoxic immunity in **experimental** *cholera:* protection, and serum and local antibody responses in rabbits after enteral and parenteral immunization. 024569
Demonstration in tissue culture of cellular immunity of **fowl** *cholera* [Pasteurella multocida, chickens]. 024537
Hog *cholera* in the northeastern part of Thailand. 024673

CHOLESTEROL

Ascorbic acid in *cholesterol* and **bile** acid metabolism. 022023
Cholesterol **content** and fatty acid composition in egg yolks and blood plasma of poultry [Dietary effects]. 023717
The cockerel as an animal model for atherosclerosis research *[Cholesterol* **diet].** 021991
Inducibility of mucosal drug-metabolizing enzymes of rats fed on a *cholesterol-rich* **diet** by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Cholesterol **esterification** and lipids in plasma and liver from newborn and young guinea pigs raised on milk and non-milk diet. 022170
Quantitative, multicomponent analysis of fatty acids from *cholesteryl* **esters** by chemical ionization reconstructed mass chromatography. [Human atherosclerosis]. 022154
Distribution of *cholesteryl* **esters** and other lipids in subcellular fractions of the adrenal gland of the pig. 023584
Synthesis of *cholesterol* **esters** in the plasma and liver of sheep. 023585
Advanced coronary atherosclerosis in swine produced by combination of balloon-catheter injury and *cholesterol* **feeding.** 024837
Distribution of blood glucose and *cholesterol* **levels** in White Leghorn birds in relation to age, sex and reproduction. 023441
Effect of diet on fatty acids in the **lipoprotein** *cholesteryl* esters of type IIa and normal individuals. 022150
Effects of selenium, chromium and antioxidants on growth, eye cataracts, **plasma** *cholesterol* and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Serum *cholesterol* and bowel flora in the newborn [Escherichia coli, Lactobacilli]. 022008
Effects of lipids on the stability of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, sphingomyelin, and *cholesterol* on the **stability** of isolated aortic and. 023403

CHOLINES

The effects of *choline* and **inositol** on hepatic lipid metabolism and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. 024829
Modification of Michael's method for determination of **serumacetyl** *choline* esterase activity [Indicator for organo-phosphorous insecticide poisoning, men and experimental animals]. 029087
Choline in the **sow** gestation-lactation diet. 023886

CHONDRILLA

Growth of skeleton **weed** *(Chondrilla* juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496

CHOPPING

The development of the **Australian** *chopped* sugarcane harvester. 030150
Effects of *chopping* **ensilaged** alfalfa (Medicago sativa L.) and the conservation process on the feeding behavior of sheep. 023918
Can the short cut loading truck replace the **field** *chopper?* 030024
Quality of work of the E280 **fodder** *chopper* in the whole-plant harvesting of cereals [East Germany]. 030010
The use of forage sorghum. V. NO3-N content in the *green-chopped* **forage** sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. 023057
Analysis of results of bacteriological examinations of *chopped* **meats,** carried out on samples in the Paris region. 021966

CHORDACEAE

Two phases of *chorda-lingual* **induced** vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. 023557

CHORIOMENINGITIS

Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM **[lymphocyte** *choriomeningitis]* virus. II. Experiments with inbred CBA/J mice. 024802
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM **[lymphocytic** *choriomeningitis]* virus. I. Experiments with random-bred NMRI mice. 024801

CHORION

Meningitis and **granulomatous** *chorio-ependymitis* in cats. 024715
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH **[human** *chorionic* gonadotropin, gonadotropin-releasing hormone]. 023984
The **insect** *chorion:* programmed expression of specific genes during differentiation. 029203
Synchronization of oestrus and ovulation in the mare with a two PG-HCG **[prostaglandin-human** *chorionic* gonadotropin] sequences treatment. 024001

CHORIOPTES

Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick *[Chorioptes* **bovis,** Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073

CHORISTONEURA

Approaches to assessing insecticide efficacy in spruce budworm *[Choristoneura* **fumiferana]** (Lepidoptera: Tortricidae) control programs. 028923
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, *Choristoneura* **fumiferana** (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927

"Porapak Q" adsorption of airborne organic compounds by the virgin female of *Choristoneura* **fumiferana** (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272
Effects of photoperiod and size on flight activity and oviposition in the eastern spruce budworm *[Choristoneura* **fumiferana**] (Lepidoptera: Tortricidae). 029281
Comparison of western spruce budworm *[Choristoneura* **occidentalis**] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962

CHORTHIPPUS
Preparation of grasshoppers *[Chorthippus* **brunneus**] for studies of meiosis. 029352

CHROMATIN
Strand-selective transcription of globin genes in rabbit erythroid **cells** and *chromatin*. 023623
The influence of *chromatin* **compactness** on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films containing condensed or swollenchicken erythrocyte nuclei. 023528
The effect of radiation on processing of nuclear RNA and *chromatin* **ribonulcease** activity in rat liver and thymus. 023450
Morphological and chemical evolution of *chromatin* during **spermiogenesis** of the locust Locusta migratoria. 029434

CHROMATOGRAPHY
Partial fractionation of whole casein by **affinity** *chromatography*. 022614
Purification of ribonuclease L from Aspergillus sp. [Fungi] by **affinity** *chromatography*. 026346
Purification of NADH [nicotinamide adenine dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by **affinity** *chromatography*. 026791
Purification of myo-inositol 1-phosphate synthase from rice cell culture by **affinity** *chromatography*. 027029
Isolation and purification of cytokinin binding protein from tobacco leaves by affinity **column** *chromatography*. 026903
Studies on the alkaloids of papaveraceous plants. XXII. Separation of the alkaloids by droplet **countercurrent** *chromatography*. 2. The quaternary bases of Corydalis pallida. 026658
Fluorimetric and *gas-chromatographic* **determination** of selenium in biological substances [Human and animal toxicity]. 022216
Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion **exchange** *chromatography*. 023378
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from ion **exchange** *chromatography* [Picea abies, holocellulose]. 025492
Separation of coffein, theophyllin and theobromine with help of high pressure **fluid** *chromatography*. 022492
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and **gas** *chromatography*. 021963
Examination of acetolysis products of phosphatidylcholine by **gas** *chromatography-mass* spectrometry. 022515
Use of **gas** *chromatography* in the study of milk and milk products with special regard to proof of foreign fats. 022607
Extraction and concentration of the volatile constituents of cereals grains with a view to their analysis by **gas** *chromatography*. 022739
Uniform method for manufacturing sugar oxime silyl derivatives for **gas** *chromatographic* analysis. 022748
Radio **gas** *chromatographic* analysis of volatile aldehydes originating from soybean and oat lipoxygenase linoleic acid oxidation. 022850
Gas *chromatographic* determination of diols and glycerol in flavor bases and flavored wines. 022923
Gas *chromatographic-mass* spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some organic solvents. I. 023041
Gas *chromatographic* determination of [the antioxidant] ethoxyquin in feed and food products. II. 023042
Use of **gas** *chromatography* to determine the lactic acid in silage. 023051
Gas *chromatographic* determination of pentosans in plant raw material [Wood]. 025308
Determination of paraquat [herbicide] residues in food crops by **gas** *chromatography*. 028500
Gas *chromatographic* characteristics of authentic chlorinated dibenzofurans; identification of two isomers in American and Japanese polychlorinated biphenyls. 029108
Analysis of some carbamate and urea herbicides in foods by **gas-liquid** *chromatography* after alkylation [Residues]. 021906
Gas-liquid *chromatographic* determination of vinyl chloride in vinyl chloride polymers, food-stimulating solvents, and other samples [Food packaging material]. 021913
Quantitative determination of the furocoumarins in the preparation "psoberan" by **gas-liquid** *chromatography*. 026494
A GLC [**gas-liquid** *chromatography]* procedure for determining sub-nanogram levels of indol-3-yl acetic acid. 026708
Gas-liquid *chromatographic* determination of naled in pesticide formulations. 029132
Lipophilic **gel** *chromatography* for isolating sterines and squalenes from unsaponifiable matter of fats. 022422
Caffeine determination by **gel** *chromatography* [Beverages]. 022551
A new electrophoresis method and its application for revealing the heterogeneity of the *chromatographically* **homogeneous** fractions of soybean proteins. 022841
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an ultraviolet **irradiation-gas-liquid** *chromatographic* technique. 021911
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin **layer** *chromatography* and gas chromatography. 021963
Thin **layer** *chromatographic* separation methods for the proof of mycotoxins [in dairy products]. 022165
Liquid *chromatographic* analysis of ascorbate and ascorbate-2-sulfate. 022038
Determination of beer flavor compounds by high pressure **liquid** *chromatography*. IV. nucleotides. 022546
Determination of sugar, glycerol and ethanol in wine by means of high-pressure **liquid** *chromatography*. 022892
Quantitative determination of limonin in grapefruit juice by high-pressure **liquid** *chromatography*. 022919
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by chemical ionization reconstructed **mass** *chromatography*. [Human atherosclerosis]. 022154
Chromatographic **methods** for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in monkey fecal samples [Human toxicology]. 029117
Analysis of artificial colouring matters in sausage and ham by **paper** *chromatography* and spectrophotometry. 022707
Study of the composition of monosaccharides in sulphite media by the method of **paper** *chromatography* [Wood hydrolisis]. 025332
Indole-3-acetic acid: Mass spectra and *chromatographic* **properties** of amino acid conjugates [Plant growth regulators]. 026619
Turnover of plasma oleic acid measured by **radio-gas** *chromatography*. 023413
Study of bergamot oil by **thin-layer** *chromatography* and spectrofluorometry [Adulteration]. 021881

CHROMIUM
Effects of selenium, *chromium* and **antioxidants** on growth, eye cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a sewage sludge contaminated with zinc, **copperand** *chromium*. 028360
51Cr-EDTA, 91Y and 141Ce *[chromium* **isotope-ethylenediamine, tetraacetic acid**, cerium isotope] as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on **shrinkage** property of beech [Fagus sylvatica] wood. 025427
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on drying property of beech wood [Fagus sylvatica]. 025428

CHROMOPLASTS
Etioplast and *chromoplast* **development** in the lycopenic mutant of maize. 026035

CHROMOSOMES
Chromosome **aberrations** induced in rat lymphocytes by N-nitroso compounds **as a possible** basis for carcinogen screening. 021955
Chromosomal **aberrations** in malnutrition [Rats]. 022158
Differential staining of the *chromosomes* of **Allium** cepa L. [Onion]. 026141
Temperature dependence of **anaphase** *chromosome* velocity and microtubule depolymerization [Tilia americana]. 027324
Chromosomal **basis** of dosage compensation in Drosophila. VIII. **Faster** replication and hyperactivity of both arms of the X-chromosome in males of Drosophila **pseudoobscura** and their possible significance. 029297
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of *chromosome* **breaks** induced by X-rays in the paternal genome of Drosophila. 029449
Genes **controlling** *chromosome* activity: the role of genes blocking Y-lampbrush loop propagation [Drosophila hydei]. 029298
Fine genetic structure of the 2D3-2F5 region of the *X-chromosome* of **Drosophila** melanogaster. 029446
Eukaryotic *chromosome* replication. 024022
Membrane-bounded cisternae associated with the *chromosomes* **at first** meiotic metaphase in microsporocytes of Rhoeo spathacea. 026240
X-ray induced visible alterations in the **giant** *chromosomes* of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. 029302
Chromosome studies of oriental anophelines. III. The salivary **gland** *chromosomes* of Anopheles subpictus. 029482
Discrimination of **homologous** *chromosomes* of maize with Giemsa staining. 026158
A *sex-chromosome* **hybrid** zone in the grasshopper Podisma pedestris (Orthoptera: Acrididae). 029362
Control of *chromosome* **inactivation.** 029440
Complete *[chromosomal]* **interchange** stock in pearlmillet. 026235
Genetic analysis of time to ear emergence in hexaploid wheat, Triticum aestivum, using **intervarietal** *chromosome* substitution lines. 026122
Identification of genomes and *chromosomes* **involved** in peroxidase synthesis of wheat seeds. 026110
The *chromosomal* **location** of a major dwarfing fene from Norin 10 in new British semi-dwarf wheats. 026160
Chromosomal basis of dosage compensation in Drosophila. VIII. Faster replication and hyperactivity of both arms of the *X-chromosome* in **males** of Drosophila pseudoobscura and their possible significance. 029297
Replication of DNA in **mammalian** *chromosomes*. III. Size and RNA content of Okazaki fragments. 024058
Meiotic *chromosome* pairing in triploid hybrids of Gossypiumhirsutum L. [Cotton] with wild Australian species. 026103
Cytogenetic demonstration of **mitotic** *chromosomes* in the yeast Saccharomyces cerevisiae. 026214
The **mouse** *chromosome* map. 024071
Centromeric sensitivity of **mouse** *chromosomes* to the systemic insecticide dimethoate (Rogor). 024949
Cytology of Oomycetes. Evidence for meiosis and **multiple** *chromosome* associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378
Some **new** *chromosome* numbers in the genus Acacia [Vyto taxonomy]. 025843
IOPB [International organization of Plant Biosystematists] *chromosome* **number** reports L. 025835
Chromosome **numbers** in Compositae. XI. Helenieae [Cytotaxonomy]. 025584
Ecogeographic races of Lesquerella engelmannii (Cruciferae): distribution, *chromosome* **numbers**, and taxonomy. 025633
Chromosome **numbers** of certain species of flowering plants in the flora of the Aragats Mountain Range [Cytotaxonomy]. 025690
Chromosome **numbers** in the genus Ceropegia Linn. 025999
Chromosome **numbers** and evolution in Ophrys (Orchidaceae). 026232
Studies on the intraindividual and interindividual variation of *chromosome* **pairing** in diploid and tetraploid rye populations. I. Intraindividual variation. 026095
Chromosome studies of Oriental anophelines. IV. **Polytene** *chromosomes* of Anopheles fluviatilis. 029036
Polytene *chromosomes:* differences in molecular structure as revealed by metachromatic basophilia [Rhynchosciara americana]. 029306
X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to **pronuclear** *chromosome* structure. 029302
Chromosomal **proteins** of Phycomyces blakesleeanus [Fungi]. 026558
Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The *chromosome* **races** and their structural and evolutionary relationships. 029300
Effect of certain chemical mutagens on *chromosome* **rearrangements** and growth processes in hard wheat. 026142
Inherited partial sterility and *chromosomal* **rearrangements** in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Puffs in the heterochromatin in *chromosomes* of **Rhynchosciara.** 029307
DNA replication and DNA puffs in **salivary** *chromosomes* of Rhynchosciara. 029305
Meiotic pairing between **single** *chromosomes* of diploid Agropyron elongatum and decaploid Agropyron elongatum in Triticum aestivum [Wheat]. 026124
Synaptonemal complex and *chromosome* **structure.** 026088
Chromosome **studies** of Oriental anophelines. IV. Polytene chromosomes of Anopheles fluviatilis. 029036
Chromosome **studies** of oriental anophelines. III. The salivary gland chromosomes of Anopheles subpictus. 029482
The *B-chromosome* **system** of Allium schoenoprasum. I. B-Distribution. 026129
Chromosomal **variation,** cellular ageing and resistance to antifolate analogues in a Chinese hamster line. 023272
Chromosome **variation** in relation to leaf structure of Psoralea corylifolia Linn. 025933
A study of the *chromosomes* of the **yeast** Schizosaccharomycespombe by light and electron microscopy. 026002

CHRYSANTHEMUMS
Advanced harvest and preservation of **cut** *chrysanthemums*. 022977
Micronutrient requirements of *chrysanthemums* **grown** on peat substrates. 027079
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to control Pythium [ultimum] root rot [of *Chrysanthemum* **morifolium**]. 027914
Premature budding of garden **mum** *[Chrysanthemum].* 027162

Absolute dormancy of pollen induced by soaking in organic solvents *[Chrysanthemum* **pacificum,** Lilium longiflorum]. 027282
Ultrastructural changes in host-parasite interface of *chrysanthemum* **rust** [Puccinia horiana] treated with oxycarboxin. 027985
Supplementary lighting for **spray** *chrysanthemums* [Varieties]. 027632

CHRYSOCHARIS
Laboratory crossings with different sources of the larch casebearer **parasite** *Chrysocharis* laricinellae (Hymenoptera: Eulophidae). 029283

CHRYSOMELIDAE
Beetles—Coleoptera: leaf **beetles**—*Chrysomelidae;* subfamilies: Chrysomelinae and Galerucinae. 029616
Effect of the new insecticide PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. **(Coleoptera,** *Chrysomelidae).* 028689
A new species of the genus Monorosiella Bechyne, 1945 *(Chrysomelidae,* **Eumolpinae)** [Monorosiella mucronata]. 029563
A new Luperus [(Calomicrus) macedonicus] species from southern Yugoslavia (Coleoptera, *Chrysomelidae,* **Galerucinae).** 029561
A monograph of the genera of the old world Hispinae (Coleoptera: *Chrysomelidae:* **Hispinae)** [New taxa]. 029559

CHRYSOMELINAE
Beetles—Coleoptera: leaf beetles—Chrysomelidae; subfamilies: *Chrysomelinae* and **Galerucinae.** 029616

CHRYSOPA
Mass-rearing of *Chrysopa* **carnea** Steph. (Neuroptera, Chrysopidae) [Insect pests, biological control]. 028685
Improved rearing unit for larvae of a common green lacewing *[Chrysopa* **carnea].** 029401
Natural daylengths regulate insect seasonality by two mechanisms [Meleoma signoretti, *Chrysopa* **downesi].** 029458
Rearing a green lacewing, *Chrysopa* **septempunctata** Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis mellifera] brood. 029258

CHRYSOPHYTA
Isolation and characterization of dinoflagellate and *chrysophyte* **cytochrome-f** (553-4) [Algae]. 026743

CHRYSOPIDAE
Mass-rearing of Chrysopa carnea Steph. (Neuroptera, *Chrysopidae)* **[Insect** pests, biological control]. 028685

CHRYSOSPORIUM
Extracellular enzyme system utilized by the fungus Sporotrichum **pulverulentum** *(Chrysosporium* lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550

CHRYSOTHAMNUS
Flavonol methyl ethers from *Chrysothamnus* **viscidiflorus.** 026739

CHUTES
Cattle *chute*—adjustable type. 029957
Degree of filling of the **feeding** *chutes* of wood chippers. 025355

CHYLOMICRON
Intestinal lipid absorption: evidence for an intrinsic defect of *chylomicron* **secretion** by normal rat distal intestine. 022153

CHYMOTRYPSIN
The trypsin and *chymotrypsin* **inhibitors** in chick peas (Cicer arietinum L.). Purification and properties of the inhibitors. 027172
Chymodein, a duodenal peptide: specific stimulation of *chymotrypsinogen* **secretion** [Rabbits]. 023202
Fowl **trypsin** and *chymotrypsin.* 023369

CICADAS
The song of the *cicada* **Lembeja** brunneosa (Homoptera: Cicadidae) with notes on the behaviour and distribution of the species. 029396

CICADELLIDAE
Key to the eight species of coexisting Erythroneura leafhoppers (Homoptera: *Cicadellidae)* on **American** sycamore [Platanus occidentalis]. 028820
Effectiveness of insecticidal sprays against **grapevine** *cicadellid,* Arboridia (Arborifera) viniferata Sohi and Sandhu in the Punjab, India. 028862
Tiaja insula, a new megophthalmine leafhopper from the Santa Barbara Channel Islands **(Homoptera:** *Cicadellidae).* 029649

CICADELLOIDEA
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of Gramineae *[Cicadelloidea,* **Fulgoroidea,** vectors]. 028158

CICADIDAE
The song of the cicada Lembeja brunneosa (Homoptera: *Cicadidae)* with **notes** on the behaviour and distribution of the species. 029396

CICER
Relative stability of pure lines, varietal mixtures and segregating populations in **chickpea** *(Cicer* arietinum L.). 026182
The trypsin and chymotrypsin inhibitors in chick **peas** *(Cicer* arietinum L.). Purification and properties of the inhibitors. 027172

CICHORIUM
The effect of 3-indolylacetic acid on the accumulation of starch in the root tissue of *Cichorium* **intybus** L. [Chicory] cultured in vitro. 027097
Contribution to the study of vernalization by cold treatment on the root of *Cichorium* **intybus** L. [Chicory]. 027225

CICINDELA
An unusual structure in females of *Cicindela* **albicans** Chaudoir and related species (Coleoptera: Cicindelidae). 029392

CICINDELIDAE
An unusual structure in females of Cicindela albicans Chaudoir and related species **(Coleoptera:** *Cicindelidae).* 029392
Studies on cicindelids. 12. Cicindelidae collected by Avv. Mario Cassola in some south eastern regions of Africa **(Coleoptera** *Cicindelidae).* 029631

CIDER
Cider and the **apple:** a story of good cheer [England]. 022889
An apple a **day** *[Cider].* 022895
Interim report on the first five years of the 1969-1984 *cider* **fruit** tree research. 027836

CIGARETTES
Cannabis smoke condensate: identification of some acids, bases, and phenols [of **marijuana** *cigarettes].* 021907
Vitamin C and *cigarette* **smokers.** 022050

CILIA
Relationship between bacteria and *ciliate* **protozoa** in the sheep rumen. 023426

CIMICIFUGA
Studies on the constituents of *Cimicifuga* spp. IX. **Structure** of cimigol. 026660

CINARA
A few words on the melizitoze producer *[Cinara* **pilicornis]** on the spruce [Honeydew, apiculture]. 029248

CINNABAR
Controlling tansy ragwort [Senecio jacobaea, biological control with *cinnabar* **moth].** 028516

CINNAMIC
A spectrophotometric assay for *trans-cinnamic* **acid** 4-hydroxylase activity [Potatoes]. 027113
The properties of *cinnamic* **acid** 4-hydroxylase of aged swede [rutabaga] root disks. 027256
The role of phenylalanine in the biosynthesis of flavonoids and *cinnamic* **acids** in the twining stems of Periploca graeca. 026769

CINNAMOMUM
Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, *Cinnamomum,* **Daphniphyllum].** 025904

CINNAMON
Shearing resistance, internal friction and coherence of light-grey and *cinnamon-grey* **forest** soils. 030293

CIRCADIAN
Investigations on the *circadian* **cycle** of secretion in the neurosecretory nuclei of mouse. 023196
Photoperiodic time measurement and *circadian* **leaf** movement in Pharbitis nil controlled by the same clock? 026863
Experimental investigation of the *circadian* **locomotor** activity of Blattella germanica L. (Dictyoptera, Blattellidae). 029256
Dinoflagellate phototaxis: pigment system and *circadian* **rhythm** as related to diurnal migration [Algae]. 026586

CIRCUITS
An automatic, *closed-circuit* **oxygen** consumption apparatus for small animals. 023459
The pay-off from electronics controls, part 4: security **systems** *short-circuit* theft. 022335

CIRCULATION
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. I. Detection of *circulating* **anticoagulants.** 024979
Variations in the levels of follicle-stimulating hormone in the *circulation* of **birds,** a determined by homologous radioimmunoassay. 023523
Recirculation of **centrifugate** in mechanical dehydration of poultry excrements [Waste removal]. 029983
Cold *circulation* cleaning of milking equipment is successful at farm level. 030061
DNA synthesis in *circulating* **erythroblasts** of anemic duck. Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. 024069
Circulation of **pesticides** in the biosphere. 029167
Hemodynamic effects of aerosol propellants. II. **Pulmonary** *circulation* in the dog. 024999
Statistics, heredity and correlation between some features of the *circulatory* **system** in female German landrace swine. I. Means and environmental effects. 024254

CIRSIUM
The biology of Canadian weeds. 13. *Cirsium* **arvense** (L.) Scop. 028504
Dowco 290 [3,6-dichloropicolinic acid]—a new growth regulator herbicide *[Cirsium* **arvense,** Senecio jacobaea]. 028551
Seedling establishment and vegetative spread of *Cirsium* **arvense** (L.) Scop. in Victoria, Australia. 028602
Control of Canada thistle *[Cirsium* **arvense]** and field bindweed [Convolvulus arvensis] in asparagus. 028609
Flavonoids of *Cirsium* **heterophyllum.** 026475

CISTERNAE
Membrane-bounded *cisternae* associated with the chromosomes at first meiotic metaphase in microsporocytes of Rhoeo spathacea. 026240

CITRATES
Livability of albino and normal bull spermatozoa at 5 degrees Centigrade in *citrate,* **milk** and tris yolk extenders. 024252

CITRIC
Citric **acid** production from various raw materials by yeasts [Candida lipolytica]. 022494
Ratio between *citric* **acid** and isocitric acid in orange juices. 022893
The addition of *citric* **acid** to piglet rations. 023966
Studies on the fermentation of *citric* **acid** from N-alkanes by Candida lipolytica B74 [Yeasts]. 026330

CITRULLINE
Pyrazole in *Citrullus* **vulgaris** [watermelon] (Cucurbitaceae). 027249
A study on the influence of the structural chemical constituents of the skin of **watermelon** *(Citrullus* lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. 027178

CITRUS
Citrus **care** by air in St. Lucie County—1974 [Insect pest control]. 028829
Genetical effect of the toxin of the fungus Phoma tracheipfilla (Petri) Kantschaveli et Gikaschvili on *citrus* **crops.** 028097
The results of testing some fungicides against anthracnose of *citrus* **crops** [Colletotrichum gloeosporioides]. 028099
Cellulase activity, endogenous abscisic acid, and ethylene in four *citrus* **cultivars** during maturation. 027263
Distribution of enzymatic browning of young shoot homogenates [as taxonomic character] in the Aurantioideae [including **cultivated** *citrus* species]. 025585
The effect of GA3 [gibberellic acid], Alar and CCC [2chloroethyl trimethylammonium chloride] on *citrus* **cuttings.** 027084
Role of the tristeza virus in *citrus* **die-back** complex. 028250
Citrus **diseases** in Thailand. 028425
Comparative studies of two viroids: analysis of potato spindle tuber and *citrus* **exocortis** viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279
Labor issues confronting the **Florida** *citrus* industry. 021258
Studies on postharvest treatments for ripening of *citrus* **fruits.** I. Lowering of the acidity in Satsuma mandarin orange by heat treatment. 022869
Investigations on the nitrogenous substances of *citrus* **fruits.** V. The free amino acids of lemon juice. 022894
Improving fertility of *citrus* **groves.** 027750
Citrus **handling** cost-price squeeze continues. 021445
Catching frame development for a *citrus* **harvest** system. 027726
Irrigation *[Citrus].* 030644
Herbicides check weeds in **largest** *citrus* tract. 028507
The intensity of photosynthesis in *citrus* **leaves** of various age in relation to their frost resistance. 027294
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol oxidase enzyme extracts from *citrus* **leaves** [Lemon disease]. 028320
Photolysis of benzoic acid 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on *citrus* **leaves;** residues]. 029111
Relation of growth and fruiting in **lemon** *(Citrus* limon Burmann). 027182

Studies on mycoplasma-like organisms: the suspected cause of *citrus* **likubin** and leaf-mottling. 028224
Measures for **managing** *citrus* production during transition period at its provenance. 2. 021242
Effect of different rootstocks on vigour, yield and fruit quality of blood red **orange** *(Citrus* sinensis Osbeck) [Culture]. 027761
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in *citrus* **orchard** [Insect pests, biological control]. 028823
Effects of bending and ringing of branches [training method] on flowering and fruiting of **ponkan** *(Citrus* reticulata Blanco) trees. 027143
Development of Diaprepes abbreviatus [pest of sugarcane andcitrus] on **potted** *citrus* seedlings [in Florida]. 028858
Enzyme use to reduce viscosity and increase recovery of soluble solids from *citrus* **pulp-washing** operations [Oranges]. 022932
Ways of overcoming and preventing the development of resistance to acaricides in the *citrus* **red** hairy mite. 028892
Die-back in *citrus* and its **relationship** to certain characters. 028354
A resistant response of *citrus* **roots** to the root-knot nematode, Meloidogyne javanica. 028390
Precocious flowering of *citrus* **seedlings.** 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the flower organs. 027100
The cuticles of *Citrus* **species.** Composition of the intracuticular lipids of leaves and fruits. 027208
[Chilling] injury in fruit *[Citrus* **storage**]. 022888
Fruiting problems of fruit trees. 25. [Grapes, **strawberries,** *citrus].* 027101
Unique irrigation system enhances **Tampa** *citrus* grove. 030645
Studies on the juice qualities of subtropical fruits. I. Seasonal changes of organic acids, sugars and volatile components in Ponkan and **Tankan** *[Citrus].* 022883
A new survey technique for *citrus* **thrips** [Scirtothrips citri]. 028864
Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and compost of bark on *citrus* **trees.** 030433
Note on the incidence and control of the *citrus* **white** fly, Dialeurodes citri Ashmead (Aleurodidae: Homoptera) in Himachal Pradesh. 028860
Aschersonia for control of the *citrus* **whitefly** [Dialeurodescitri]. 028901
Influence of fertilizers on yield and quality of a **young** *citrus* orchard in Kenya. 030401

CIVILIZATION

Wild grape of Nuristan and its relation to the history of *civilization* of **mankind.** 027709
Food practices and *civilization:* **relations** of nutrition and religion in ancient Rome. 022192

CLADONIA

Squamatic acid from the mycobiont of *Cladonia* **crispata** [Lichenes]. 026760
Four new species of *Cladonia* **[Lichenes]** from Asia. 025711

CLADOPHORA

Great Lakes nutrient assessment [Algal assay, *Cladophora,* **Selenastrum** capricornutum]. 026545

CLADOSPORIUM

Isolation and identification of cotylenins F and G [of a **fungus,** *Cladosporium].* 026342
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium **solani,** *Cladosporium.* 027888

CLAVICEPS

Ergot alkaloids. III. The isolation of N-methyl-4-dimethylallyltryptophan from *Claviceps* **fusiformis** [Fungi]. 026846
Prenatal effects of elymoclavine [produced by *Claviceps* **purpurea**] administration and temperature stress [Mice abnormalities]. 024859
Colonization of ergot *[Claviceps* **purpurea**] honeydew by Fusarium heterosporum. 028050

CLAVIGERINAE

Contributions to the study of *Clavigerinae* from **Africa** (Coleoptera, Pselaphidae). 9. Description of a new Clavigerinae [Xenomussardia besucheti] from Rhodesia and note on the intraspecific variations of Hoplitoxenus joannae Jeannel. 029675
Description of a new species of the genus Radamopsis [franzi] (Coleoptera, **Pselaphidae,** *Clavigerinae).* 029710

CLAY

Pear tree response to drip irrigation on **Carney** *clay* soil, second season 1974. 030730
Flow **characteristics** of *clays.* 030355
Influence of *clay* **dishes** on growth of seedlings of Lemaireocereus griseus (Haworth) Britton & Rose. 027209
Determination of cation exchange capacity of *clays* as **influenced** by ion species. 030305
Experimental studies on electro-drainage of **landslide** *clay.* 030250
Unsaturated flow mechanisms in **low-swelling** *clays.* 030350
Effect of weathering and parent materials on *clay* **mineralisation:** red ferruginous soils of humid tropics. 030308
A comparative study of *clay* **mineralogy** of semi-arid soils of Western Uttar Pradesh and Eastern Rajasthan. 030295
Clay **mineralogy** of some Indian soils in relation to mineralogy of the sand and silt fractions. 030301
Clay **mineralogy** of alluvial, red and lateritic soil profiles from West Bengal. 030302
Studies on the *clay* **mineralogy** of Orissa soils. 030319
Study of electrochemical and physicochemical properties of clay minerals and their mixtures and of some soil clays to characterise their *clay* **mineralogy.** 030320
Paraquat adsorption on *clay* **minerals.** 028543
Clay **minerals** of soil forming rocks of the central Russian Plain. 030285
Application of physicochemical methods to the quantitative evaluation of *clay* **minerals** in soils. 030298
Clay **minerals** in the altered wall-rocks of Mosabhoni coppermines, Singbhum District, Bihar. 030303
Effect of cation saturation and air-drying of samples on the diffractogram obtained from parallel-oriented specimen *[Clay* **minerals**]. 030307
Genesis and distribution of *clay* **minerals** in catenary soils of Chatisgarh basin of Madhya Pradesh. 030309
Influence of chemical agents on weathering of silicate minerals *[Clay* **minerals**]. 030310
Nature and geographic distribution of *clay* **minerals** in soils of different moisture regimes in Punjab, Harayana and Himachal Pradesh. 030316
Study of electrochemical and physicochemical properties of *clay* **minerals** and their mixtures and of some soil clays to characterise their clay mineralogy. 030320
Transformation of *clay* **minerals** under saline and alkali soil conditions. 030322
X-ray investigation of *clay* **minerals** in the soils of West Bengal. 030324
Orientation of *clay* **particles** as it relates to crusting of soil. 030342
Adsorption of copper by mixed **pure** *clays* [Minerals]. 030297
Stress-strain behaviour of a **saturated** *clay* for states below the state boundary surface. 030361
Biological transformation of *clay-sized* **sediments** in simulated aquatic environments. 030948
Calcium-ammonium exchange equilibria in three **soil** *clays* of Mysore State. 030299
Determination of the coating and cementing agents on some **soil** *clays* of Mysore. 030306
Influence of *clay* on **soil** processes. 030311
Mineralogical composition of **soil** *clays* of desert soils of Hanumangarh (Rajasthan). 030313
Newton's cooling coefficients of Uttar Pradesh **soil** *clays* in water media. 030317
Study of electrochemical and physicochemical properties of clay minerals and their mixtures and of some **soil** *clays* to characterise their clay mineralogy. 030320
Study of **soil** *clays* from different sources of alluvial parent materials under varying rainfall conditions. 030321
Zinc sorption on **soil** *clays.* 030325
Study of electrical drainage as applied to *clay* **soil** in a land creep zone. 030667
Tile and surface drainage of *clay* **soils.** II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
The effect of organic polymers and hydrous iron oxides on the tensile **strength** of *clays.* 030371

CLEANING

Automatic *cleaning* methods in milking. 022568
The pulping of woods with barks. I. The cleaning of mixed stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 **Bauer** *centri-cleaner.* 025274
Cold **circulation** *cleaning* of milking equipment is successful at farm level. 030061
Bacteriological control of *cleaning* and **disinfection** of surface areas [Dairy industry]. 022600
Comparative evaluation of equipment for *cleaning* and **disinfection.** 030092
With high pressure in the last crack *[Cleaning* **equipment**]. 030059
Sanitation means more than **looking** *clean.* 022338
Detection of twelve mycotoxins in mixed animal feedstuffs, using a novel **membrane** *cleanup* procedure. 023044
The pulping of woods with barks. I. The *cleaning* of **mixed** stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
New methods of *cleaning* and **moistening** of cereals. 022801
The *cleaning* of **tubular** ultrafiltration membranes [of whey]. 022576
Contribution to the study of the influence of **turbine** *cleanliness* on the properties of cotton open-end spun yarns. 2. 022769

CLEARCUTTING

Growth of four types of white oak [Quercus alba] reproduction after *clearcutting* in the **Missouri** Ozarks. 027345
Red squirrel response to *clearcut* and **shelterwood** systems in interior Alaska. 025067
Stump sprout growth and quality of several Appalachian hardwood **species** after *clearcutting.* 025262

CLEARINGS

Technology of *clearing* **farm** land reclaimed from brush in the Estonian SSR. 030610
Prohibiting the *clearing* of the **forest** cutover area by fire. 025136

CLEAVAGE

Formation and *cleavage* of **2-keto-3-deoxygluconate** by 2-keto3-deoxygluconate aldolase of Aspergillus niger [Fungi]. 026624

CLERIDAE

Notes on some species of *Cleridae* from **Lebanon** and Turkey, including description of Trichodes sbordonii n. sp. (Coleoptera). 029593
The effects of salt treatment of fish on the developmental biology of Dermestes maculatus (Coleoptera, Dermestidae) and Necrobia **rufipes** *(Cleridae).* 028974

CLIMATE

Influence of *climate* and **additives** on bentazon [Amaranthus retroflexus, control]. 028618
Studies on the population of Sitona (Coleoptera, Curculionidae) in Egypt with special reference to the effect of **certain** *climatic* factors on the population fluctuations of Sitona lividipes Fhs. 028688
Agroclimatic **characteristics** of 1973-1974 winter and the 1974 growing period in the subtropical regions of West Georgia [USSR]. 021150
Soil and *climatic* **characteristics** of the Armavir wind corridor [Erosion]. 030619
Losses of wine during storage and aging under different *climatic* **conditions.** 022993
Residual activity of atrazine, alachlor and linuron under different soil and *climatic* **conditions.** 029158
Developments in [greenhouse] *climate* **control.** 029875
A computer for crop research and *climate* **control** in glasshouses. 029986
Use of *climatic* **data** in design of soils treatment systems [Land-based wastewater management]. 030943
Leadership institute brainstorms **ever-changing** *climates,* theories [Cooperatives]. 021302
Radiation absorption of canopy rows [in a **greenhouse** *climate].* 029882
Competitive behavior of Quercus ilex and Quercus pubescens under Medditeranean **humic** *climates.* 025874
Climatic **maps** of Tohoku district for forestry. 025015
Thoughts and studies on the notion of vegetation climax in the eastern **Mediterranean** *climate.* 025873
Study of the *climate* in **natural** drying of cacao in barges. 022417
How is the *climate* in your **organization?** 022275
Late **quaternary** *climatic* change in Africa. 021081
Microvariations in **soil** *climate* under two kinds of forest cover. 030195
Melanism and *climate.* I. **Study** of the variation of the marble white butterfly, Melanargia galathea (Lepidoptera, Satyridae), in France. 029238
Some aspects of the influence of **tropical** *climates* on swine exploitations: Cooling system. 023147
Structure and *climate* in **tropical** rain forest. 025864
Effect of *climatic* **unstability** on rice culture in Tohoku districts. 1. 027352
Climatic **variability** and world grain production [Yields]. 027408
Climatic and **vegetational** classifications in regional site classification. Considerations from the forest site classification system in Baden-Wurttemberg. 025091

CLITOCYBE

Comparative action of systemic antibiotics against *Clitocybe* **mellea,** parasite of spermatophytes. 027913

CLONE

A leaf mosaic in the Russian **apple** *clone* R 12 740-7A connected with a strain of cherry necrotic ringspot virus. 028166
Amino acid specters of leaves of **cassave** *clones* that are morphologically very different (Manihot esculenta Crantz (=Manihot utilissima Pohl.)). 026913
Research results on the **crop-tree** *clonal* test study [Populus euramericana]. 025250
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other *clones* and **cultivars** after 12 years of rotation at the poplar experimental plantation of Veliko Polje. 025251
Notes on disease resistance of tissue **culture** *sub-clones* and fusion of sugarcane protoplasts [for the improvement of varieties]. 026294
Selection consequences of differential performance of standard [sugarcane] *clones* across **environments.** 026297
Appearance of bark cracking and process of healing of the cracks caused by low temperatures on trees of Populus X **euramericana** *clone* I-214. 025062
Volume of wood and the current and average increment of Populus X **euramericana** *clone* I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar experimental plantation of Veliko Polje. 025251
Population parameters of some agronomic characters of [sugarcane] *clones* in the **germplasm** collection of La granja Experiment Station, Philippine Sugar Institute. 026295
Deterioration of aspen [Populus tremuloides] *clones* in the **middle** Rocky Mountains [Regeneration]. 027344
The *clonal* **origin** of cells contributing to successive phases of a cyclical immune response [Mice]. 024519
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of *clone* I-214 [**Populus** euramericana]. 025244
One example of the comparative development of the *clone* of **Populus** euramericana I-214 on the alluvial soil of the Vardar in the valley of Skopje. 025247

Ascospore discharge in Drepanopeziza punctiformis in relation to infection of some poplar [**Populus**] *clones*. 027951
Screening **potato** *clones* for resistance to dry rot (Fusariumsolani var coeruleum). 027900
Compression wood in Pinus **radiata** *clones* on four different sites [Influence of genotype]. 025220
General and specific combining ability in eight **selected** *clones* of [Pinus] radiata pine. 025221
Screening Indo American (IA) hybrid **sugarcane** *clones* for drought resistance. 026296
Some problems of propagating the Anaseuli-1 **tea** *clone* by cuttings. 027862
Improved performance of peach **tree** *clone* freed from ring spot [virus] by thermotherapy. Study of recontamination in the orchard. 028182
The production, propagation and distribution of **virus-free** *clones* of Narcissus tazetta cv. "Grand Soleil d'Or" [Varieties]. 028204

CLOSTRIDIA
Clostridium **botulinum** in the lakes and waterways of London [Botulism in waterfowl]. 024604
Studies on the presence of microorganisms and keeping quality of canned processed cheese [**Contamination,** *Clostridium].* 022619
The microbiological role [**controlling** *Clostridium* botulinum] of nitrite and nitrate [Bacon]. 021936
Presence of epsilon toxin in an apparently healthy kid: a note *[Clostridium* **perfringens,** enterotoxaemia]. 024552

CLOT *see* COAGULATION

CLOTHING
Ability—not **disability** with *clothing.* 022230
What *clothing* **means** to the child. 022233
Aminopeptidases in **webbing** *clothes* moth larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of low electrophoretic mobility. 029384

CLOUDS
Effect of concentration process on *cloud* **stability** of reconstituted lemon juice. 022947

CLOVER
Ultrastructure of Rhizobia in pure culture and symbiosis [**Alfalfa** and *clover].* 026964
Mowing dates of *clover* and **clover-timothy** [Phleum] mixtures[and relation to their chemical composition]. 027066
Temperature regulation of germination in **crimson** *clover* seeds. 027032
The *clover* **cultivar** "Achziv". 027413
Clover **cutworm** [Scotogramma trifolii] on cotton. 028760
Comparison of productivity between semi-natural Miscanthus sward and improved orchard-grass [**Dactylis]-ladino** *clover* mixture. 027462
Studies on the weaning and grazing of calves. 1. The grazing grasses [Dactylis, **Ladino** *clover]* and rumen adaptation. 023876
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and **ladino** *clover.* 026994
New 1974 varieties: Dargov tetraploid **meadow** *clover.* 027551
New herbicides for weed eradication in **meadow** *clover.* 028589
Clover **nitrogen** and pasture management. 027397
Mowing dates of clover and *clover-timothy* [**Phleum**] mixtures[and relation to their chemical composition]. 027066
The digestion of the lipids of processed **red** *clover* herbage by sheep. 023779
Morphological, physical and chemical features of **red** *clover,* importat for the drying process. 027042
New 1974 varieties: Kvart **red** *clover* [Yields]. 027550
The effect of benomyl sprays on Sclerotinia trifoliorum andyield of **red** *clover.* 027902
The selective control of grasses in **red** *clover* (Trifolium pratense) and lucerne (Medicago sativa) crops by carbetamide and propyzamide. 028606
Use of insecticides on **red** *clover* seed plants [Apion apricans, control]. 028796
Clover **root** curculio [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, yield, and root damage. 028749
Response of teat enzymes of sheep and cattle to stimulation by stilboestrol and oestrogenic **subterranean** *clover.* 024033
Translocation of boron to plant fruits [Peanuts, **subterranean** *clover].* 026389
Vernalization as a factor influencing the rate of development in **subterranean** *clover* (Trifolium subterraneum L.) [Cultivars]. 026898
Accumulation of 4-aminobutyrate in Triflium subterraneum [**subterranean** *clover]* root nodules: effect of Rhizobium trifolii strain on aminotransferase activity. 026899
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of **subterranean** *clover* (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
Modification of the botanical composition and dry substance yield of grass and **white** *clover* mixtures from the use of different Dactylis varieties. 027369
Volatile phytotoxic substances formed by litter of Pinus radiata [inhibiting seedling growth of **white** *clover* and Lolium perenne]. 028397
Control of winter annual weeds in **white** *clover* raised for seed. 028611
Kelp extract as fertiliser. 2. Effect on chemical composition and element uptake of **white** *clover.* 030504

CLOXACILLIN
Sodium *cloxacillin* for treatment of mastitis in lactating cows. 024597

CLUBIONIDAE
A revision of the South American spider genus Trachelopachys (Araneae, *Clubionidae)* [New taxa]. 029531

CLUBROOT
Control of **cabbage** *clubroot* [Plasmodiophora brassicae]. 028109

CLUSTER
Asynapsis in *cluster* **bean** (Cyamopsis tetragonoloba (L.) Taub.). 026300
On the nature of the iron **sulfur** *cluster* in a deuterated algal ferredoxin [Synechococcus lividus]. 026409
An experiment concerning the inventory efficiency of even-aged stands by means of *cluster-samples* with 4, 6, 8 and 10 **trees.** 025160

CNIDOSCOLUS
Pollination of *Cnidoscolus* **texanus** (Euphorbiaceae) in south-central Oklahoma. 026835

COAGULANTS
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. I. Detection of **circulating** *anticoagulants.* 024979
Study of chlorophacinone toxicity, an *anticoagulant* **raticide,** in ducks. 024947

COAGULASE
Incidence of *coagulase-positive* **staphylococci** in Damietta cheese. 021987

COAGULATION
A leukocyte migration inhibition assay technique using **blood** *clot* fragments in vitro [Guinea pigs, immunization]. 023397
Continuous *coagulation* of milk in the coagulator. 022609

COAL
The use of Sphagnum peat and **brown** *coals* for growing plantsin hydroponic containers. 027648
A note on the fossil [Dicroidium] megafloras of the Nymboida and Red **Cliff** *Coal* Measures, southern Clarence-Moreton Basin, New South Wales. 025717
Palynology of some Upper **Cretaceous** *coals* of Black Mesa, Arizona. 025798
Dewatering of organic sludge by **pulverized** *coal.* 030929

COATING
A new process for simultaneous **blade** *coating* on two sides [Production of paper]. 025502
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target **cells** *coated* with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530
Determination of the *coating* and **cementing** agents on some soil clays of Mysore. 030306
Coating **equipment** and processes [Paper]. 025266
Tests on evaluation of the performance of end *coatings* on **green** wood. 025426
Coating and **impregnating** with endrin protects field-sown Douglas fir [Pseudotsuga menziesii] seed. 028952
Spotted response of overseeded ryegrass [Lolium perenne] *tosulfur-coated* **urea** [Turfgrasses, fertilizers]. 027105
Camellias and *sulphur-coated* **urea** [as source of slow-release nitrogen]. 030416

COATS
Hybrid studies on the genetics of *coat* **color** and blood groups of Landrace and Vietnamese swine. 024219
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. Seed input and output of seedling with **seed** *coat.* 025039

COBALT
New aspects of the *cobalt* **deficiency** problem [Sheep]. 024839
Display of two reaction patterns after exposure of barley seeds to gamma radiation of 60Co *[cobalt* **isotope]** in air. 026916
Effect of irradiation with 60Co *[cobalt* **isotope]** on transfer and motility of sperm and on mating of the tobacco budworm[Heliothis virescens]. 028739
The effect of copper, *cobalt* and **molibdenum** microfertilizers on the yield and quality of buckwheat. 030560

COBS *see* CORNCOBS

COCCIDIA
Survey of drug resistance of **chicken** *coccidia* [Eimeria] collected from Japanese broiler farms in 1973. 024633
Incidence of **Clodipo-resistant** *coccidial* strains. 024760
Field surveys on *coccidial* **[Eimeria]** infection in broilers in Japan—results obtained in autumn and winter and summarized in 1973. 024631
Concerning the fauna and occurrence of *coccidia* [of **Eimeriaspp.]** in sheep in Turkmenistan. 024578
Sampling broiler house litter for *coccidial* **oocysts.** 024473
A natural epizootic of a *coccidian* in a **population** of the Egyptian alfalfa weevil, Hypera brunneipennis, and the alfalfa weevil, Hypera postica. 028757

COCCIDIOIDES
A report of two cases of coccidioidomycosis in two dogs treated wtih amphotericin B *[Coccidioides* **immitis,** Fungi]. 024718

COCCIDIOIDOMYCOSIS
A report of two cases of *coccidioidomycosis* in **two** dogs treated wtih amphotericin B [Coccidioides immitis, Fungi]. 024718

COCCIDIOSIS
The significance of **bovine** *coccidiosis* as a disease in the United States. 024471
Coccidiosis in **broilers:** evaluation of infection by the examination of broiler house litter for oocysts. 024455
Effect of mode of infection on manifestation of symptom and oocyst production in **chicken** *coccidiosis.* II. Mixed infection with Eimeria acervulina and Eimeria tenella. 024621
Infectious diseases of the intestinal tract: the secret of *coccidiosis* is **further** revealed [Sarcocystis fusiformis, cats, dogs]. 024745
Control of parasitic gastroenteritis in goats *[Coccidiosis,* **gastrointestinal** nematodosis]. 024582

COCCIDIOSTAT
Use of an isolator system to study the selective pressure of **sulfaquinoxalin-containing** *coccidiostats* on Escherichia coli population in chicks. 024810

COCCIDIUM
A fine structural study of asexual stages of the **murine** *coccidium* Eimeria ferrisi Levine and Ivens 1965. 024788

COCCINELLA
The establishment of *Coccinella* **septempunctata** L. In the continental United States [Aphididae predators, biological control]. 028642

COCCINELLIDAE
Effect of the new insecticide PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, *Coccinellidae)* and **Leptinotarsa** decemlineata Say. (Coleoptera, Chrysomelidae). 028689
Two noteworthy Hyperaspis species from East Africa Coleoptera: *Coccinellidae)* **[New** taxa]. 029698
Large-scale occurrence of Syrphidae and *Coccinellidae* **[Plant** pests, Austria]. 028673

COCCOIDEA
Coccoidea **collected** by the Hokkaido University Expedition to Nepal Himalaya, 1968 (Homoptera) [New taxa]. 029598
The horii-group of Fiorinia associated with rhododendrons in East Asia (Homoptera: *Coccoidea:* **Diaspididae)** [New taxa]. 029599
A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia Goux (Homoptera: *Coccoidea:* **Pseudococcidae)** [New taxa]. 029498

COCCOMYCES
New microfungi on coastal Douglas fir [Pseudotsuga menziesii, *Coccomyces* **pseudotsugae,** Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, Phomopsis porteri]. 025663

COCCULUS
Alkaloids of *Cocculus* **pendulus** (Forsk) Diels. 026840

COCCUS
Evaluation of some insecticides for control of green bug *[Coccus* **viridis]** on coffee. 028661

COCKERELS
Levels of histidine derivatives in breast muscle of proteindepleted and repleted **adult** *cockerels* [During malnutrition]. 023602
The *cockerel* as an **animal** model for atherosclerosis research [Cholesterol diet]. 021991

COCKLEBURS
Germination of *cocklebur* [**Xanthium** pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. 026388

COCKROACHES
Excreta analysis on **additional** *cockroach* [Parcoblatta pennsylvanica] species and the house cricket [Acheta domesticus]. 029310
Controlling *cockroaches* [Blattidae] without synthetic organic insecticides. 028986
Moulting hormone and cuticle synthesis by epidermal cells of in vitro **cultured** *cockroach* embryos [Blabera cranifer]. 029271

Genetic linkage of malathion resistance in the **German** *cockroach* [Blattella germanica]. 028972
Bursicon release and activity in haemolymph during metamorphosis of the *cockroach,* **Leucophaea** maderae. 029406
Identifying insects: *cockroaches,* (**order** Blattodea). 029664
Culture of embryonic cells and hemocytes of *cockroaches* [**Periplaneta** americana] of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. 029351
Factors promoting vitellogenic competence and yolk deposition in the *cockroach* [**Periplaneta** americana] ovary: the postecdysis female. 029411
Possible biochemical explanation for specific reformation of synapses between muscle and regenerating motoneurones in *cockroach* [**Periplaneta** americana]. 029459

COCKS
Selection of *cocks* of [**chicken**] meat lines according to sperm quality. 024248

COCOA
Procedural change in the official method for the extraction of light filth from *cocoa,* **chocolate,** and press cake. 021915
Soy products in chocolate and *cocoa:* their use as a **complement** or partner of milk protein. 022765
Studies in natural pollination of *cocoa* in **Ghana.** 026319
Internal commercialization of *cocoa,* an **operational** system of central cooperation of farmers in the south of Bahia. 021475
Cocoa **output** emphasized in Nigeria. 021526
Yield gradients in *cocoa* (**Theobroma** cacao L.)—shade and fertilizer experiments. 030409

COCONUTS
Lethal yellowing: intensive probe is launched *[Coconuts,* **diseases** of unknown origin]. 028440
Coconut **fat** in the diet [Atherosclerosis]. 022207
A new species of Amorphoidea [coimbatorensis] (Curculionidae, Coleoptera) **infesting** *coconut* inflorescence. 029557
Fertilizers are found to **influence** *coconut* wilt disease in India. 028457
Environmental impact of Lethal Yellowing disease of *coconut* **palms.** 028359
Philippine *coconut* output soars, as prices tailspin [Demand]. 021554
Assisted pollination and contamination by undesirable **pollens** *[Coconuts].* 026229

COCOONS
Studies on the modification of natural water conditions for *cocoon* **cooking** operation in silk reeling process. 022534
The *cocoon* **spinning** behaviour of the Chinese oak silkworm, Antheraea pernyi. 029726
Population and mortality assessment during the *cocoon* **stage** of the alfalfa weevil, Hypera postica (Coleoptera: Curculionidae). 029286

COD *see* FISH

CODING
Frames or cabins having undergone the tests of the **former** *codes* of the Organization for Economic Cooperation and Development, with the indication of the tractors to which they fit. 030019

COENZYMES
Fat metabolism in higher plants. The determination of acylacyl carrier protein and **acyl** *coenzyme* A in a complex lipid mixture [Potatoes]. 027114
Phosphatidate phosphohydrolase and *palmitoyl-coenzyme* A **hydrolase** in cardiac subcellar fractions by hyperthyroid rabbits and cardiomyopathic hamsters. 023283
On the mechanism of ketogenesis and its control: purification, kinetic mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA *[coenzyme* A] **thiolases** from Ox liver. 023395

COFFEE
Response to moisture of pollen mother cell meiosis in *Coffea* **abeokutae** Crames. 026025
Regulated ripening of *Coffea* **arabica** L. In Kenya: studies on the use of 2-chloroethyl phosphonic acid. 026317
Crop physiological aspects of *coffee* **bean** yield: a review. 026638
First cases of haploidy found in *Coffea* **canephora** Pierre [Coffee]. 026105
Effects of roasting temperatures and gamma irradiation on the content of chlorogenic acid, caffeic acid and soluble **carbohydrates** of *coffee.* 022480
Investigations on *coffee* and **coffee** substitutes. XVII. Behaviour of polysaccharide-complexes of Robusta coffee during roasting. 022552
Anivax, a new Esso product for **controlling** *coffee* rust [Hemileia vastatrix]. 028091
The influence of freezing conditions on the properties of freeze **dried** *coffee.* 022466
Brazil determined to make comeback from *coffee* **freeze.** 021722
Evaluation of chemical products in the control of Pellicularia koleroga Cke. *[Coffee* **fungus** disease]. 028090
India's *coffee* production and exports trending up. 021539
Relationship among macronutrients, boron and zinc contents of *coffee* **leaves** and yield. 026526
First cases of haploidy found in Coffea canephora **Pierre** *[Coffee].* 026105
Investigations on coffee and coffee substitutes. XVII. Behaviour of polysaccharide-complexes of **Robusta** *coffee* during roasting. 022552
Present situation of *coffee* **rust** (Hemileia vastatrix] in Latin America. 028088
Investigations on coffee and *coffee* **substitutes.** XVII. Behaviour of polysaccharide-complexes of Robusta coffee during roasting. 022552
Evaluation of some insecticides for control of green bug [Coccus **viridis**] on *coffee.* 028661
Pectins as potential by-products of *coffee* **waste.** 022493
World *coffee* production in 1975/76 matches consumption needs [Statistics]. 021514

COGNAC
Determination of oxygen during aging of *cognac* **spirits** in tanks. 022989
Improvement of technology of tank aging of *cognac* **spirits.** 022992

COITUS *see* COPULATION

COLA
The germination of *Cola* **acuminata** (P. Beauv.) Schott and Endl. 026320
The influence of IBA (b-indolyl-butyric acid) on the propagation of *kola* (**Cola** nitida (Vent) Schott & Endl.) by leaf-bud cuttings. 026321
Vegetative propagation of tropical tree crops with emphasis on cacao (Theobroma cacao L.) and *kola* (**Cola** nitida, (Vent.) (Schott and Endlicher). 027857
The influence of IBA (b-indolyl-butyric acid) on the propagation of **kola** *(Cola* nitida (Vent) Schott & Endl.) by leaf-bud cuttings. 026321
Vegetative propagation of tropical tree crops with emphasis on cacao (Theobroma cacao L.) and **kola** *(Cola* nitida, (Vent.) (Schott and Endlicher). 027857
Dynamics and composition of alkali hydrolyzable nitrogen in polzol soils of the *Kola* **Peninsula.** 030286

COLCHICINE
Form changing effect of *colchicine* in **Xanthium** [albinum]. 026424

COLD
Nucleosides and nucleotides of the *cold* **acid-soluble** portion of the blood of steers. 023456
Cold-disaggregation of the **casein** micelles in heated concentrated whey protein-free milk. 022558
Cold **circulation** cleaning of milking equipment is successful at farm level. 030061
The influence of duration of warm, *cold-dry* and **cold-moist** storage on development and flowering of Freesia plants. 027090
A controlled clinical trial of ascorbic acid for the **common** *cold.* 022014
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during *cold* **hardening.** I. Soluble proteins. 026932
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during *cold* **hardening.** II. Soluble proteins and proteins of chloroplasts and membranes. 026933
Cold **hardening** and carbohydrate composition of Meyer Zoysia [japonica]. 027103
Studies on *cold* **hardiness** of grape vines. I. Studies on cold hardiness of **grape varieties** [Winter injury]. 027287
Overwintering structures in Connecticut for nursery stock. I. The plant response *[Cold* **injuries].** 028352
Effect of temperature on respiration of mitochondria and shoot segments from *cold-hardened* and **nonhardened** wheat and rye seedlings. 027021
A *cold* **precipitable** fibrinogen complex in the plasma of cattle dying from infection with Babesia argentina. 024787
Cold **requirements** of tulips for earliest flowering. 027072
Studies on *cold* **storage** of mango fruits (Mangifera indica L. Cv. Langra). 022913
The influence of duration of warm, cold-dry and *cold-moist* **storage** on development and flowering of Freesia plants. 027090
Assessment of *cold* **tolerance** in sugarcane hybrids derived frrom traditional and new germplasm. 026293
The effect of *cold* **treatment** on protein patterns and enzymes in tulip bulbs. 027082
Contribution to the study of vernalization by *cold* **treatment** on the root of Cichorium intybus L. [Chicory]. 027225
Inhibition of thermal tachypnoea in rabbits following exposure to *cold* and **water** deprivation. 023550
Some like it *cold* [**Weed** control, 4-chloro-5-(dimethylamino)-2-phenyl-3 (2H)-pyridazinone]. 028488

COLEOPHORA
Photoperiod effects on development of the larch casebearer, *Coleophora* **laricella** (Lepidoptera: Coleophoridae). 029285

COLEOPHORIDAE
Photoperiod effects on development of the larch casebearer, Coleophora laricella **(Lepidoptera:** *Coleophoridae).* 029285

COLEOPTERA
Some **Acanthoceridae** *(Coleoptera,* Scarabaeoidea) from South India [**New taxa**]. 029683
New Onthophagus species from South India and **Africa** *(Coleoptera,* Scarabaeidae). 029572
Studies on cicindelids. 12. Cicindelidae collected by Avv. Mario Cassola in some south eastern regions of **Africa** *(Coleoptera* Cicindelidae). 029631
Contributions to the study of Clavigerinae from **Africa** *(Coleoptera,* Pselaphidae). 9. Description of a new Clavigerinae [Xenomussardia besucheti] from Rhodesia and note on the intraspecific variations of Hoplitoxenus joannae Jeannel. 029675
Two noteworthy Hyperaspis species from East **Africa** *Coleoptera:* Coccinellidae) [**New taxa**]. 029698
Additions to the nearctic **Anthicus** *(Coleoptera:* Anthicidae) [New taxa]. 029654
A new species of Rhexinia, [tucumanensis] from **Argentina** *(Coleoptera:* Pselaphidae). 029643
Investigatons on taxonomy, host plants and distribution of the long-horned **beetles** *(Cerambycidae-Coleoptera)* in Aegean Region. 028682
Beetles—*Coleoptera:* leaf beetles—Chrysomelidae; subfamilies: Chrysomelinae and Galerucinae. 029616
Beetles—*Coleoptera:* leaf beetles—Carabidae; subfamilies: Bembidinae, Trechinae. 029617
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) *(Coleoptera:* **Bruchidae),** a seed predator of Cassia grandis L. (Caesalpiniaceae) in Central America. 025801
On some mountainous **Canthonina** *(Coleoptera,* Scarabaeidae) from Madagascar [**New taxa**]. 029536
Determination of **carabid** *(Coleoptera,* Carabidae) role in agrobiological communities by serological method. 029517
Development of Farmincystis tribolii Weiser (Sporozoa, Neogregarinida) in Palembus ocularis **Casey** *(Coleoptera,* Tenebrionidae) and some observations on its fine structure. 029485
Soybean plant response to the attack of Oberea brevis Swed. *(Coleoptera,* **Cerambycidae).** 028798
A revision of the genus **Cerenopus** *(Coleoptera:* Tenebrionidae) [New taxa]. 029532
Two new Holotrichia [heterotincta, Holotrichia semitomentosa] from **Ceylon** *(Coleoptera,* Melolonthidae). 029578
New Carabus species from **China** *(Coleoptera,* Carabidae). 029568
Effect of the new insecticide PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. *(Coleoptera,* **Chrysomelidae).** 028689
Hydrocarbon repellents isolated from Tribolium castaneum and Tribolium **confusum** *(Coleoptera:* Tenebrionidae) [Flour beetles. 028967
Cordyceps spp., as a parasite of insects *[Coleoptera,* **Cordyceps** entomorrhiza, biological control]. 028650
Results of investigations of the resistance of poplar varieties to the borer Cryptorrhynchus lapathi., **Curculionidae,** *Coleoptera.* 028957
New and little known South American **Cyclocephala** *(Coleoptera,* Scarabaeidae, Dynastinae). 029567
Monograph of **Dynastinae** *(Coleoptera,* Melolonthidae). 4. Tribe: Pentodontini of the Ethiopian Region. II. [New taxa]. 029566
A new species of Aspidolea [cevallosi] from **Ecuador** *(Coleoptera,* Scarabaeidae, Dynastinae]. 029562
The mediate-indirect movement of the elytra in the rhinoceros beetles (Orystes boas **Fabr.,** *Coleoptera).* 029518
Biosystematics of the North and Central American species of **Gibbobruchus** *(Coleoptera:* Bruchidae: Bruchinae). 029707
Observations on the biology of Xylotrupes **gideon** *(Coleoptera:* Scarabaeidae: Dynastinae) in Melanesia. 029394
A monograph of the genera of the old world **Hispinae** *(Coleoptera:* Chrysomelidae: Hispinae) [New taxa]. 029559
Comparison of toxicity between organophosphorus toxicants and ethylene dibromide, alone and in combination, to Monochamus alternatus **Hope** *(Coleoptera:* Cerambycidae. I. The. 028949
Comparative morphology of the male genitalia in the subfamily **Hydrophilinae** *(Coleoptera,* Hydrophilidae). I. Tribe Hydrophilini. 029228
New Sericinae from Africa and **India** *(Coleoptera,* Melolonthidae) [New taxa]. 029575
Contribution to the knowledge of the Histeridae from South **India** *(Coleoptera)* [New taxa]. 029674
Several new Endomychidae from **India** *(Coleoptera).* 029682
A new species of Amorphoidea [coimbatorensis] (Curculionidae, *Coleoptera)* **infesting** coconut inflorescence. 029557
Note on Oedemeridae and Lagriidae of the Ponziane **Islands** *(Coleoptera,* Heteromera). 029592
Aspirator for collecting and separating small insects **[Lepidoptera,** *Coleoptera].* 029240
Occurrence and development of Agriotes **lineatus** *(Coleoptera,* Elateridae) in the European USSR [Agricultural soil pests]. 029475
New **Macrodactylini** *(Coleoptera,* Melolonthidae). 029570
The distribution of the larvae of Dermestes **maculatus** *(Coleoptera:* Dermestidae) in a radial temperature gradient [Dried fish pest]. 028973
The effects of salt treatment of fish on the developmental biology of Dermestes **maculatus** *(Coleoptera,* Dermestidae) and Necrobia rufipes (Cleridae). 028974

Defence substances of arthropods. LIX. Platambin, a defence substance of the water beetle Platambus **maculatus** *(Coleoptera:* Dytiscidae). 029439
Identification tables of the species of genus Phyllophaga harris and its subgenus Phytalus Er. *(Coleoptera,* **Melolonthidae)** [New taxa]. 029565
New coprophagous insects from the Central African Museum, Tervuren (Belgium) and from my **museum** *[Coleoptera].* 029569
Parafallia johni n. Sp. From **Nepal** *(Coleoptera:* Discolomidae). 029693
Dung burial activity and fly control potential of Onthophagus **nuchicornis** *(Coleoptera:* Scarabaeinae) in British Columbia. 028641
Notes and descriptions of some North American **Omethinae** *(Coleoptera:* Omethidae) [New taxa]. 029646
New Aphodiinae, Hybosorinae, Bolbocerinae and **Orphninae** *(Coleoptera,* Scarabaeidae). 029678
Contribution to the study of Neotropical **Pachydemini** *(Coleoptera,* Scarabaeidae, Melolonthinae) [New taxa]. 029564
A revision of the genus Pelidnota of America north of **Panama** *(Coleoptera:* Scarabaeidae; Rutelinae). 029663
New Cychropsis finding from Nepal, with supplementary description of Cychropsis mandli **Paulus** *(Coleoptera:* Carabidae, Cychrini) [New taxa]. 029691
Mexican **Pogonocherini** *(Coleoptera:* Cerambycidae) [New taxa]. 029644
Rhythmic emergence of Dendroctonus **ponderosae** *(Coleoptera:* Scolytidae) from two host species [Pinus ponderosa, Pinus monticola]. 028922
Population and mortality assessment during the cocoon stage of the alfalfa weevil, Hypera **postica** *(Coleoptera:* Curculionidae). 029286
New South African Onthophagini collected by the Dung beetle research unit, **Pretoria** *(Coleoptera,* Scarabaeidae) [New taxa]. 029576
Description of a new species of the genus Radamopsis [franzi] *(Coleoptera,* **Pselaphidae,** Clavigerinae). 029710
Revision of the Genus Cratna **Raffray** *(Coleoptera,* Pselaphidae) [New taxa]. 029681
First record of caecal diverticula in Sagra femorata Drury. **(Sagrinae:** *Coleoptera).* 029316
A new Panelus [rhodesiensis] *(Coleoptera,* **Scarabaeidae)** from tropical Africa. 029670
Muscular anatomy of Ips **sexdentatus** *(Coleoptera,* Scolytidae). 029227
Studies on the population of **Sitona** *(Coleoptera,* Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the population fluctuations of Sitona lividipes Fhs. 028688
Notes on some species of Cleridae from Lebanon and Turkey, including description of Trichodes sbordonii n. **sp.** *(Coleoptera).* 029593
A revision of Tanarthrus Leconte with a presentation of its mid-Cenozoic **speciation** *(Coleoptera:* Anthicidae). 029706
An unusual structure in females of Cicindela albicans Chaudoir and related **species** *(Coleoptera:* Cicindelidae). 029392
Onthophgus massai, a new Palearctic **species** *(Coleoptera,* Scarabaeoidea). 029549
Two new Anomala [keralensis, Anomala minutissima] **species** *(Coleoptera,* Melolonthidae, Rutelinae). 029577
Orus femineus, a new species of **Staphylinidae** *(Coleoptera)* from Florida. 029658
Study on the systematics and geonemy of Xantholinus. XI. A new species at the Geneva Museum of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. *(Coleoptera,* **Staphylinidae).** 47th contribution to the knowledge of Staphylinidae. 029687
Bionomics of Sibinia **sulcatula** *(Coleoptera:* Curculionidae) on mesquite [Prosopis glandulosa] in Texas. 028793
A new Lepidiota [spinipennis] from **Sumatra** *(Coleoptera,* Melolonthidae). 029560
Studies of the subtribe **Tachyina** *(Coleoptera:* Carabidae: Bembidiini). III. Systematics, phylogeny, and zoogeography of the genus Tachyta Kirby [New taxa]. 029700
The Himalayan species of Henoticus **Thompson** *(Coleoptera:* Cryptophagidae) [New taxa]. 029695
Hunteracarus womersleyi gen. N., sp. N., a laelapid mite (Acari) associated with Cephalodesmius armiger **Westwood** *(Coleoptera:* Scarabaeidae). 029606
The orientation response of Ctenicera destructor and other **wireworms** *(Coleoptera:* Elateridae) to germinating grain and to carbon dioxide. 029290
A new Luperus [(Calomicrus) macedonicus] species from southern **Yugoslavia** *(Coleoptera,* Chrysomelidae, Galerucinae). 029561

COLEOPTILES

Photoactivation of NAD [nicotinamide adenine dinucleotide] kinase through phytochrome [from **Avena** *coleoptiles].* 026790
Red light enhances the growth of **Avena** *coleoptiles.* 026873
Sterol composition of plasma membrane enriched fractions from **maize** *coleoptiles.* 027035
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in Avena [oats] *coleoptile* **segments.** 027030

COLIC

Indications for surgical intervention in **equine** *colic* [Horses]. 024326
Surgical techniques in **equine** *colic* [Horses]. 024331
Causes of *colic* and **types** requiring surgical intervention [Horses]. 024325

COLLAGEN

Proteins of the periodontium: Identification of *collagens* with the **[alpha1(I)]2alpha** 2 and [alpha(III)]3 structures in bovine periodontal ligament. 023484
Effect of ascorbic acid deficiency on the permeability and *collagen* **biosynthesis** of oral mucosal epithelium. 022033
Studies on the glycosylation of hydroxylysine residues during *collagen* **biosynthesis** and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Intermediates in the limited proteolytic conversion of procollagen to *collagen* **[Chick** embryos]. 023299
Collagen **cross-linking** in [rabbit] corneal scar formation. 023313
Arterial elastic tissue and *collagen* in **experimental** poststenotic dilatation in dogs. 023402
Electrostatic side chain complementarity in [steerskin] *collagen* **fibrils.** 023533
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of *collagen* **galactosyltransferase** and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Function of ascorbic acid in *collagen* **metabolism.** 022035
Effect of modification of methionine side chains on the interaction properties of *collagen* **[prepared** from calf skin]. 023435
Ascorbic acid and *collagen* **synthesis** in cultured fibroblasts. 022020

COLLECTIONS

Using motion pictures for **data** *collection* on prescribed burning experiments. 025257
Is your cage-floor raising "seconds"? **[Egg** *collection,* shell damage]. 022730
A new approach to tree **fruit** *collection* [Limb padding, space-fill, equipment]. 030141
The *collection* of **fungi** in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. VI. Agaricales, Gasteromycetales. 025559
The *collection* of **fungi** in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, Aphyllophorales, Tulasnellales, Dacrymycetales, Auriculariales, Tremellales. 025745
Fungus *collections* from the E. S. George Reserve, Livingston County, Michigan. 025769
Population parameters of some agronomic characters of [sugarcane] clones in the **germplasm** *collection* of La granja Experiment Station, Philippine Sugar Institute. 026295
Simple method for **large-scale** *collection* of Arthropoda. 029515
Local *collection* of butterflies (Lepidoptera) from the Kivu area (Republic of Zaire, Africa). 029630
1975-1976 cereals: **low** *collection,* increasing storage capacity. 022756
Wild oat [Avena fatua] gene pool: a *collection* **maintained** by the Canada Department of Agriculture. 026241
Farm milk cooling and **milk** *collection.* Report transmitted by the government of Finland. 022557
Mosquito *collections* in El Salvador with ultraviolet and CDC miniature light traps with and without dry ice. 029051
Studies on higher fungi; a *collection* of **papers** dedicated to Dr. Alexander H. Smith on the occasion of his seventieth birthday. 025786
Flowering, pollination, **pollen** *collection* and pollen germination in Fagus and Quercus species. 027342
Veterinary work at a **primate** *collection* in kenya. 024375
Collection **records** of the project "mosquitoes of Middle America." 2. Puerto Rico (PR,PRA,PRX) and Virgins Islands (VI,VIA). 029634
New Melolonthidae and Rutelidae from the Zoological **State** *Collection,* Munich. 029571
Influence of trap screen age on *collections* of **tabanids** in Malaise traps [Tabanidae]. 029045
Rooting and end of rest in 'Carignane' [grapevine] cuttingsas affected by *collection* **time** and cane segment used. 027699
A *collection* of **Wm.** H. Harvey's Australian algae at West Chester, Pennsylvania, U.s.a. 025570

COLLECTIVES

Peasant economy and *collective* **farming** according to the opinion of J. Tepicht. 021323
Sector principle of management in *collective* **farms.** 021288
Efficiency of productive resources of *collective* **farms.** 021339
Conditions of return on investment [in *collective* **farms].** 021400
Correct calculation of the effectiveness of fixed capital [in *collective* **farms** of the subtropical zone]. 021442
The analysis of net income and profitability in *collective* **farms.** 021444
Agrochemical servicing of *collective* **farms** and state farms of Belorussia [Fertilizers]. 030499
Rational amount of fixed production capital [in *collective* and **state** farms]. 021403
The system of paying a 50% additional payment for raw cotton sold to the state by *collective,* **state** and other types of farms above the annual fixed plan. 021404
Organization of technological processes of plant protection on *collective* and **state** farms. 028473
Problems of profitability of [other production] sectors and crops in **tea-growing** *collective* farms. 021443

COLLECTORS

The *collector* of **butterflies** and nature conservation. Remarks to the article by Georg Christensen published in No. 21, Jan. 11, 1975. 029343
On the chemical characterization of water from *collector-drainage* **system** in the Mary and Chardzhou Regions. 030661
The AP 45 **Welger** *collector* high pressure press [Feed processing equipment]. 030038
Clogging of screens and intake zones in *collector* **wells** [Groundwater]. 030752

COLLEMA

Effects of light intensity and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and *Collema* **subfurvum** [Lichens]. 026427

COLLEMBOLA

Arrhopalites slovacicus a new species of *Collembola* from the **Domica** cave. 029672
Experimental study of aggregation during the development of Pseudosinella **impediens** *(Collembola,* Entomobryidae). 029472
Ecology of moss-living arthropods, by the light of factorial analysis of correspondances: *Collembola* and **Oribata** of Sidobre (Tarn, France). 029462
Studies on *Collembola.* XX. **Two** new Onychiurus from the Venete Prealps [Onychiurus paolettii, Onychiurus hauseri]. 029685
Collembola from **wood** holes in Styria (Austria) [New taxa]. 029673

COLLETOTRICHUM

Micro-ecosystem monitors *[Colletotrichum* **gloeo** for biological control of Aeschynomene in rice]. 028487
The results of testing some fungicides against anthracnose of citrus crops *[Colletotrichum* **gloeosporioides].** 028099
Response of laboratory animals to a fungus *[Colletotrichum* **gloeosporioides** aeschynomene] used as a biological herbicide[to control Aeschynomene virginica in rice]. 028495

COLLOIDS

Relationships between the **inorganic** *colloid* and the parent material of some volcanic ash soils in Miyagi and Iwate prefectures, Japan. 030353
Colloidal **lignin** and the method of detecting it in hydrolysis wastes. 025300

COLONA

Weed-crop behaviour in pure and mixed stands of maize and **Echinochloa** *colona* Link. 028542

COLONIES

Influence of environment on productivity of **bee** *colonies.* 029734
Husbandry and observation methods of a **breeding** *colony* of marmosets (Callithrix jacchus) for behavioural research [Laboratory animals. 023131
Productivity of the ant Formica dakotensis in a spruce [Picea] bog. 1. Observed and estimated **densities** of the *colonies.* 029381
Stability of oxytetracycline in diets fed to honeybee [Apismellifera] *colonies* for **disease** control [American foulbrood, European foulbrood]. 029841
Comparative development of foraging and brood production in honeybee [Apis mellifera] *colonies* **established** on comb and on foundation. 029806
The use of uniform honeybee [Apis mellifera] *colonies* to **evaluate** supplementary test rations for the stimulation of brood rearing. 029833
An epizootic outbreak of ringworm in a **guinea-pig** *colony* caused by Trichophyton mentagrophytes [Fungi]. 024635
Overwintering of *colonies* of **honeybees** [Apis mellifera] with restricted and unrestricted broodrearing in Louisiana. 029723
Racial discrimination **[Honeybees,** *colonies].* 029749
Some effects of pollen traps on *colonies* of **honeybees** [Apismellifera]. 029827
Influence of temperature on the development of **incipient** *colonies* of Nasutitermes nigriceps (Haldemann). 028963
Persistence of tetracycline activity in medicated syrup stored in honeybee [Apis mellifera] *colonies* in **late** spring. 029822
Influence of environment on productivity of bee [Apis **mellifera]** *colonies.* 029735
Results of restricting the brood space of honeybee [Apis **mellifera]** *colonies.* 029825
Colony **organization** and queen numbers in two species of Conomyrma [flavopecta, Conomyrma insana]. 029214
Seasonal development of honeybee [Apis mellifera] *colonies* **started** from package bees. 029826
What *colony* **strength** is natural? [Apis mellifera]. 029773
The removal of a **wild** *colony* from a dense thicket [Bees]. 029745

COLONIZATION

Colonization of **ergot** [Claviceps purpurea] honeydew by Fusarium heterosporum. 028050
Preliminary observations on the *colonisation* by the **microorganisms** and the microarthropods, of the fresh litter in two soils of a beech forest (Retz forest). 030273
Colonization of a **new** island: studies on the "Hoher Knechtsand" [Insects]. 029712

The policy framework for settling the Canadian West 1870-1880 [**Rural** *colonization].* 021158

COLOR

An evidence of *colour-differentiating* **ability** of the ant Formica sanguinea. 029516
Analysis of **artificial** *colouring* matters in sausage and ham by paper chromatography and spectrophotometry. 022707
Colors seen by bees [Apis mellifera] and *coloring* of **beehives.** 029729
On the nature of reactions responsible for *color* **behavior** in red wine: a hypothesis. 022876
Caladiums [**Caladium** *bicolor]* in the home garden [Culture]. 027727
Lipolysis by lactic acid bacteria recognized through *color* **changes** of dye-stained butterfats on double-layered agar plates. 022612
Genotypic and environmental variation in some *colour* **characteristics** of carrots [Varieties]. 026082
Hybrid studies on the genetics of **coat** *color* and blood groups of Landrace and Vietnamese swine. 024219
Turn on *color* and **customers** with olives. 022313
Prehatch color stimulation effects on color pecking preferences and *color* **discrimination** learning in White Leghorn chicks. 023386
Use of **expanded** *color* scales to predict chemical and visual changes in solutions [Cranberry juice]. 022939
Fall *color* from coast to coast [Trees and shrubs]. 027683
Color, **firmness,** starch content, and persistence of 2-chloroethylphosphonic acid in McIntosh apples. 022885
Contribution of nitrite and nitrate to the *colour* and **flavour** of cured meats. 022685
Alfalfa **flower** *color* associated with differential seed set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. 026887
A study of the embryotoxicity of the **food** *colour* Ponceau 4R in rats. 021976
On the causes of *coloration* of **fractions** of fatty acids in tall oil rectification. 025403
Devices for **improving** *color* development in glycoalkaloid determination [Potatoes]. 022930
Infrared *color* photomicrography of soil microorganisms. 030189
Investigation of the question of **juice** *coloration* in sugar house operations. 022860
Studies on the *color-development* of **meat** products by some vegetable juices. I. On the mechanism of coloring and substances relating to it. 022648
Prehatch color stimulation effects on *color* **pecking** preferences and color discrimination learning in White Leghorn chicks. 023386
The significance of guanocytes for **physiological** *colour* shifts in Cyrtophora cicatrosa (Arachnida: Araneidae). 029340
On classification by *color* [**Plant** taxonomy]. 025837
Clines in the *colour* **polymorphism** of Philaenus spumarius ineastern Central Europe. 029364
Variation in decay resistance of Betula pubescens Ehrh. Against **Polyporus** *versicolor.* 025279
Prehatch *color* stimulation effects on color pecking preferences and color discrimination learning in White Leghorn chicks. 023386
Sulfur content in hairs and skin of different *coloured* **rabbits** and mice. 023683
Color **removal** from kraft effluent by ultrafiltration with new polymeric membranes [Pollution]. 030968
Colors **seen** by bees [Apis mellifera] and coloring of beehives. 029729
Studies on the color-development of meat products by some vegetable juices. I. On the mechanism of *coloring* and **substances** relating to it. 022648
Study of the Paris region entomological fauna in apple treeorchards with the aid of *colored* **traps.** 028822

COLORANTS

A process for the purification of lutein-fatty acid esters from marigold petals [**Food** *colorants].* 022495
Production of a betacyanine concentrate by fermentation of red beet juice with Candida utilis [**Food** *colorants].* 022937

COLORIMETRIC

Using p-dimethylaminobenzaldehyde for extraction and *colorimetric* **determination** of urea in soil. 030184

COLOSTOMY

Temporary *colostomy* in the management of rectal tears in the horse [Injuries]. 024974

COLOSTRUM

Interaction of trypsin with trypsin inhibitor from **cow** *colostrum* [Cattle, biochemistry]. 023309
Proteinuria in neonatal piglets after oral and intravenous administration of **homologous** *colostrum* and serum proteins. 023449

COMBINES

Reducing grain loss on the cutter of the E512 *combine* **harvester.** 030011
Combine **harvesting** of seed crops of flax. 027508
Combine and **transportation** complexes in the harvesting of cereal crops. 030167

COMBUSTION

Sulfur content in wheat dried in *internal-combustion* **dryers** in relation to the sulfur content in fuel [Contamination]. 022821
Nitrate and nitrite content in wheat dried in **internal** *combustion* dryers. 022820

COMMELINA

Influence of weed competition on sugarbeet yield [Polygonumlapathifolium, Chenopodium album, *Commelina* **communis,** Echinochloa crusgali]. 028581

COMMERCE

Indices of leanness in *commercial* **bacons.** 022668
The "meat deficit" in the *commercial* **balance** [Supply and demand]. 021635
Trends in *commercial* **beekeeping.** 029743
Pea enation mosaic virus resistance among *commercial* **breeding** lines of Pisum sativum. 028266
Influence of high relative humidity on performance of strains of *commercial* **broilers.** 023094
The effectiveness of **certain** *commercial* bacteriophage inhibiting media [Streptococcus, dairy product starters, cultures, contamination]. 022640
Evaluation of *commercial* **corn** hybrids for tolerance to corn rotworm [Diabrotica]. 028729
Abnormal presence of hexyleneglycol in *commercial* **essential** oils of Vetiveria zizanioides and Cananga odorata. 022377
Abnormal presence of hexyleneglycol in the *commercial* **essential** oils of Vetiveria [zizanioides] and Cananga [odorata]. 026780
Protein and amino acid evaluation of *commercially* **grown** opaque-2 corn [Swine feeding]. 023765
Present status and prospects for the *commercialization* in **Hungary** of irradiated food items for human consumption [Economic feasibility]. 021393
Comparative efficiency of different *commercial* **inoculants** of Rhizobium japonicum on field-grown soybeans [Nodule bacteria]. 030220
Virus infection of potato seed stocks [by Myzus persicae] in Ontario under *commercial* **insect-control** practices. 028232
Internal *commercialization* of cocoa, an operational system of central cooperation of farmers in the south of Bahia. 021475
Preparations for *commercialization* of **irradiated** foods in the Czechoslovak Socialist Republic. 022475
Commercialization of **irradiated** potatoes, mushrooms, onions and spices in the Netherlands. 022906
Germ counting of *commercial* **milk.** 022571
Consumer preferences for vegetables grown under *"commercial"* and **"organic"** conditions. 022928
The pH1 [hydrogen-ion concentration] of longissimus dorsi muscle in purebred and *commercial* **pigs.** 022692
Problems connected with the improvement and cultivation of *commercial* **potatoes.** 027850
A microbiological profile of *commercially* **prepared** salads. 021919
An outline of microbiological contamination of *commercially* **preserved** vegetables during the last 15 years. 021858
Storage of fresh eggs under *commercial* and **private** conditions. 022722
Study of the role of microorganisms and enzymes during cheese ripening. II. Influence of *commercial* **rennet.** 022599
Detection and identification of Bacillus larvae in a *commercial* **sample** of bee-collected pollen [American foul brood disease]. 029813
Sugar market policy from the point of view of German **sugar** *commerce.* 021655
Organization of the German **swine** *commercial* crossing program. 024236
Enzymatic hydrolysis of hardwood xylans. II. Isolation of five beta-I lead to 4-xylanasen from **three** *commercial* enzyme products. 025363
Physiocochemical and microbiological evaluation of *commercial* **tomato** pastes. 022882
Aspects of the agronomic technique of the *commercial* **tomato:** investigations on a new cultivar adapted to mechanical harvesting. 027844

COMMINUTION

Preservation of *comminuted* **orange** products. 022941

COMMODITIES

Prairie Village, [Kansas], Commodity Office operations *[Commodity* **Credit** Corporation]. 021692
Research on pesticides residues in **exported** *commodities* [Food]. 029164
Prairie Village, [Kansas], *Commodity* **Office** operations [Commodity Credit Corporation]. 021692
Committee on *Commodity* **Problems,** Intergovernmental Group on Jute, Kenaf and Allied Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. 021662
Serf-peasant *commodity* production in the first half of thé 19th century. 021070

COMMUNES

Communal **purification** stations. Choice of a water purification technique. 030848

COMMUNICATION

Communication of **animal** production informant: an adviser's viewpoint. 023140
The fine **art** of *communicating.* 022286
Courtship behavior and use of **chemical** *communication* by males of certain species of ithomiine butterflies (Nymphalidae: Lepidoptera) [Danainae]. 029215
Experiments to verify the plum pox virus (PPV) by *communicating* it on **Chenopodium** foetidum Schrad. 028291
Communicating with **employees:** giving directions and orders that get results, part 1. 022264
How to *communicate* with your **legislator** [Forest industries]. 025140
Communication **pattern** of farmers: a systemic analysis. 021105
Comparison of sex pheromone versus an inhibitor for disruption of **pheromone** *communication* in Rhyacionia buoliana [Pinus sylvestris]. 028931
International Congress on Mycoplasmas (11-17 September 1974, Bordeaux, France), abstracts of the *communications* on **'plant** mycoplasma diseases'. 028253
Radio *communications* in mosquito control—1974. 029065
A simple method for identifying pectinolytic capacities of bacterial isolates [Plant pathogens] (**short** *communication).* 028133
Serological identification of cucumber mosaic virus by means of simplified precipitation tests (**Short** *communication).* 028221
Social *communications* among the spiders, Agelena consociataD. (Araneida, Labidognatha). 029275

COMMUNITIES

Determination of carabid (Coleoptera, Carabidae) role in **agrobiological** *communities* by serological method. 029517
Producing and marketing Canada's beef in a North **American** *community.* 021614
Equations of evolution of the structure and density of synchronous, relatively steady—state **biological** *communities.* 030988
Community **building.** 029958
Ruppia-communities in the **Camargue,** France. Distribution and structure in relation to salinity and salinity fluctuations. 025870
Corporate and *community* **decision** making for locating industry [Rural development]. 021745
Acquisition of land by aliens: a land tenure problem for the European **Economic** *Community.* 021199
EEC (European **Economic** *Community]* agricultural policy. IV. Reform proposals in the enlarged community [Bibliography]. 021690
EEC [European **Economic** *Community]* agricultural policy. III. International trade [Bibliography]. 021691
Fruit culture in the European **Economic** *Community* [Programs]. 021729
Regulations concerning the highest level of harmful substances [in feed] in the German Federal Republic and the European **Economic** *Community.* 021764
European **Economic** *Community* regulation with reference to the raw material in contact with food: stainless steel. 021865
Meat temperature and EEC [European **Economic** *Community].* 022716
Elizabeth Friar: Energetic lady directs volunteer services; Michigan volunteer program **encourages** *communities* to find ways to help the needy through food stamps. 021718
EEC (European Economic Community) agricultural policy. IV. Reform proposals in the **enlarged** *community* [Bibliography]. 021690
Record farm product exports to **European** *Community* in 1974. 021499
European *Community's* use of vegetable oils gaining over animal fats [Consumption]. 021533
British find adjusting to EC [**European** *Community]* food laws difficult. 021888
Seasonal variation in leaf area index of a **grassland** *community.* 025921
Changing food and medical beliefs and practices in a **Guatemalan** *community.* 022076
Regional coordination of [rural] *communities* with **industrialization** potential. 021753
Company officials and *community* **leaders** [Rural development programs]. 021744
Land use planning in a resort community, using the *community* of **Menzenschwand** in the Black Forest as an example. 025110
Community **planning** and decision making to attract industry [for rural areas]. 021743
The application of association analysis for phytosociological interpretation of **plant** *communities* in Las Piwnicki Nature Reserve near Torun. 025855
Subalpine and alpine **plant** *communities* on the island of Pico (Azores). 025876
Plant *communities* of the Irwin Prairie and adjacent wooded areas. 025887
Forest habitat types on the Medicine Bow National Forest, southeastern Wyoming: preliminary report [**Plant** *communities].* 025927
Confirming the local sources of observed air **pollution** in *communities.* 030804
Pollution problems in *communities* in the **process** of industrialization [Water pollution]. 030851
Community **reactions** to odors from pulp mills: a pilot sudy in Eureka, California. 030886
Land use planning in a **resort** *community,* using the community of Menzenschwand in the Black Forest as an example. 025110
Problems in **rural** *communities* after industry arrives. 021751
Rural development and **rural** *communities* of the future. 021754
Vitamin A nutritional status of **rural** *community* of Khol block in Haryana, North India. 022011
How the **rural** *community* fire protection program can help you. 029936
Water relations of selected species of chaparral and coastal **sage** *communities.* 025898
Epiphyte—host relations in **seagrass** *communities* [Algae]. 025867

The **seagrass** *communities* of Moreton Bay, Queensland. 025872

COMPACTION

The sensitivity of two arable lands to *compaction;* a contribution to the **behavior** of soils under a vertical load in a range of soil suction up to pF 2.7. 030260
The influence of **chromatin** *compactness* on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films containing condensed or swollenchicken erythrocyte nuclei. 023528
Real conditions of mechanical similarity appearing while [bulldozing, *compaction,* **shearing** and friction] forces act on soil. 030337
Yield potential of soybean as related to **soil** *compaction* induced by farm traffic. 030178
Thrust-dynamic weight relationship of rigid wheels [on different soil types with different *compaction* **treatments**]. 029981

COMPENSATION

Chromosomal basis of **dosage** *compensation* in Drosophila. VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. 029297

COMPOSITAE

Chromosome numbers in *Compositae.* XI. **Helenieae** [Cytotaxonomy]. 025584
A cytogeographic study of Eriophyllum **lanatum** *(Compositae,* Helenieae). 025937
Contributions to the flora of Florida. 7. Elephantopus, **Pseudo-elephantopus** *(Compositae).* 025669

COMPOSITE

Germinating capacity of some maize open pollinated varieties, inbreds, hybrids, synthetics and *composites* in **saline** substrate. 026965
Toxicity [to livestock] of some *composite* **(Senecio)** weeds. 028574

COMPOST

Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and *compost* of **bark** on citrus trees. 030433
The biochemistry and **methodology** of *composting.* 030432
The use of slow release fertilizers in pot plant production [on peat and its **mixtures** with *compost].* 030407
Compost **nutrient** balance: effects on growth of tomato plants, fruit quality and yield. 030394
Potting substrates in the Netherlands *[Composts* with **peat].** 030405
Fertilising standards for **potting** *composts* based on the 1 : 1 1/2 volume extraction method of soil testing. 030397
Production of *compost* from **refuse** by rearing the earthworm Eisenia foetida (Savigny 1826). 030259
Ecological chemical evaluation of waste treatment procedures: the behavior of xenobiotics in **waste** *composting.* 030877

COMPRESSION

Static hysteresis in compressed wood of birch in relation to *compression* along the **fibers.** 025410
On the forming of a bundle of round wood **materials** by *compression.* 025404
Compressive **properties** of linerboard as related to corrugated fiberboard containers: a theoretical model. 025504
Compression **wood** in Pinus radiata clones on four different sites [Influence of genotype]. 025220
Static hysteresis in *compressed* **wood** of birch in relation to compression along the fibers. 025410
Longitudinal shrinkage of *compression* **wood** [of Pinus silvestris] in dependence on water content and cell wall structure. 025934

COMPUTERS

Bridge the gap with mathematics and *computers* [in **agriculture**]. 021674
Solution of differential equation of humidity transfer [in cereals] on an **analogue** *computer.* 026880
Classification of lager beers by *computer* **analysis** of volatile profiles. 022543
A method for the identification and quantitative investigation of denatured proteins in mixtures based on *computer* **comparison** of amino-acid patterns. 022550
Computer **control** of brewhouse grain batching and brew scheduling. 022544
Computer **controlled** batch digesters using the Nokia Autocook system [Pulping]. 025505
A *computer* for **crop** research and climate control in glasshouses. 029986
On the use of the Minsk-22 **electronic** *computer* in processing forest management data. 025124
A *computer-tallied* **[hospital]** menu system. 022117
[Groundwood newsprint] system analysis of refiner *[computer]* **mill** operation. 025513
Electric pacing of intact and transected canine small intestine and its *computer* **model.** 023210
User's manual for update; an auxiliary *[computer]* **program** for POLYSIM [National Agricultural Policy Simulator]. 021792
VIEWIT: computation of seen areas, slope, and aspect for land-use planning *[Computer* **programs].** 021194
A user's guide to the Econometric Analysis System (EAS) [Economics, statistical methods, *computer* **programs**]. 021673
User's manual for the National Agricultural Policy Simulator (POLYSIM) *[Computer* **programs].** 021791
Computer **programs** for sediment transport documentation and listing. 030942
Stochastic-computerized-activity-budgeting for **sheep** enterprises [Farm management]. 021249
SOYMOD I: A dynamic simulator of soybean growth and development *[Computer* **simulation** model]. 027055
Computer **simulation** used to control [apples] orchard mites [Panonychus ulmi, Stethorus punctum, biological control]. 028890
A *computer* **simulation** model for population studies of woodland pool Aedes mosquitoes. 029009
Plant growth optimisation using a **small** *computer.* 026316
On an agricultural accounting **system** by *computer.* 021246
Field and *computer* **techniques** for stem analysis of coniferous forest trees. 025174
Organization of a forest data bank in **view** of its use by *computer.* 025078

CONCANAVALIN

Factors affecting the molecular structure and the agglutinating ability of *concanavalin* A and other **lectins** [Kidney beans, wheat, soybeans]. 026954
Influence of *concanavalin* A, **wheat** germ agglutinin, and soybean agglutinin on the fusion of myoblasts in vitro. 026977

CONCENTRATES

Production of a **betacyanine** *concentrate* by fermentation of red beet juice with Candida utilis [Food colorants]. 022937
Will it pay to **feed** *concentrates* to overwintering beef cattle? [Returns]. 021390
Feed *concentrates* for cattle with high performance. 023733
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. *Concentrate* **feeding** for milk production [Dairy cattle]. 023723
Effect of orange juice parameters on gelation in **hot-pack** *concentrate.* 022940
Minimum *concentrate* feeding for efficient milk production [Cattle]. 023950
Towards a leaf **protein** *concentrate* industry in New Zealand (a memorial to Dr Russell M. Allison). 022519
Soluble **protein** *concentrate* [food supplement] from alfalfa by low-temperature acid precipitation. 022775
Formaldehyde treated whey **protein** *concentrate* for lactating dairy cattle. 023767
Palm kernel meal as the major **protein** *concentrate* in the diets of pigs in the tropics. 023778
Protein digestibility and lysine availability in alfalfa meal and alfalfa **protein** *concentrate* [Japanese quail, rats]. 023802
Effect of *forage-to-concentrate* **ratio** in complete feeds and feed intake on digestion of starch by dairy cows. 023766
Effects of changes in *forage-concentrate* **ratios** of complete feeds on dairy cattle. 023816
Influence of crystallization of lactose in **serum** *concentrate* on hygroscopicity and agglomeration of [whey] serum powder. 022628
Coulometric determination of organic substances in the *concentrates* of **spent** liquor from [wood].spirit production. 025302
Preservation of mixed species lactic **starter** *concentrates* by freezing and lyophilization methods. 022616
Studies on the nutritive value of swine feed. II. Determining the digestibility of nutrients in some *concentrates* with **swine.** 023880
Manufacture of soft cheese without drainage of whey from *concentrates* of **ultrafiltrated** skim milk. 022613

CONCRETE

Design data for plywood for *concrete* **shuttering** work. 025382
Steady-state field of insulated slab with internal heat sources [Heating, insulating, *concrete* **slab** floors]. 029971

CONDENSATES

Cannabis **smoke** *condensate:* identification of some acids, bases, and phenols [of marijuana cigarettes]. 021907

CONDENSATION

The drying [of wood] through *condensation* and it's **application.** 025290
Method of determining formaldehyde and methanol extracted in *poly-condensation* of **resin** in hot pressing of particle boards. 025395
Graphical determination of water **vapor** *condensation* on outside building components. 029943

CONDENSED

The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films **containing** *condensed* or swollenchicken erythrocyte nuclei. 023528

CONDITIONING

Conditioning **factors** in malt and unprocessed worts. 022387
Hydrographically *conditioned* floristic and vegetation limits in Icelandic coastal waters [Algae]. 025878
The effect of *conditioning* the **medium** in Drosophila, in relation to frequency-dependent selection. 029365
Further evaluation of conventional and hot-boned bovine longissimus dorsi muscle excised at various *conditioning* **periods** [Beef carcasses, tenderness]. 022681
Adhesion and adsorption phenomena in **soil** *conditioning.* 030363
Effect of high **temperature** *conditioning* on subcellular distribution and levels of lysosomal enzymes [Meat tenderness]. 022677
On the *conditioning* of **white** sugar silos. 029985

CONDUCTIVITY

The electrophysiology of transduction, retinal interaction and **axonal** *conduction* in invertebrate photoreceptors [Includes insects]. 029314
Myotonia and block of **chloride** *conductance* by iodide in avian muscle [Chickens, pigeons]. 023222
Scanning electron microscope (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to **hydraulic** *conductivity.* 030344
The hysteresis in the relationship between **hydraulic** *conductivity* and soil water content. 030349
Measurement of **hydraulic** *conductivity* and diffusivity for predicting the process of soil water infiltration from a trickle source. 030386
Physiological analysis of *through-conducting* **systems** in the ventral nerve cord of the scorpions, Heterometrus fulvipes C. Koch. 029257
Unsaturated *conductivity* of a well structured loam soil. 030247

CONES

Southern pine [Pinus] seed and *cone* **insects.** 028959
Airflow patterns in *conical-shaped* **piles** of grain. 022843
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and *cones* **[Pinus** elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938

CONFINEMENT

Fattening **cattle** in *confinement.* 023915
Contribution to a suitable, labor-saving method of *confining* **cows** in stanchions [Equipment]. 030015
One-dimensional volume change characteristics of sands under very **low** *confining* stresses. 030360
Overwintering of honeybee [Apis mellifera carnica] queens. 1. Maintenance of honeybee queens in **solitary** *confinement.* 029821
Effect of *confinement* on the **weight** of honeybee queens [Apis mellifera carnica]. 029815

CONGENITAL

Congenital **cardiopathies** of the dog [Heart diseases]. 024889
Cases of *congenital* **deformation** of the extremities in Sychevka calves [Heredity]. 024259
Response of *congenitally* **immune** chicks to viscerotropic velogenic Newcastle disease virus. 024449
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice **infected** *congenitally* with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice **infected** *congenitally* with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. 024802
Morphological aspects of the *congenital* **torticollis** in the Japanese quail (Coturnix coturnix japonica). 024864

CONIDIUM

Patterns in the numbers of **air-borne** *conidia* of apple powdery mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
The fine structure of *conidial* **development** in the genus Torula. I. Torula herbarum (Pers.) Link ex S. F. Gray and Torula herbarum f. quaternella Sacc. [Yeasts]. 025996
Thermal death of **fungal** *conidia* [Aspergillus niger] in liquid paraffin. 026643
The effect of heat shock on differentiation of **germinating** *conidia* of Trichoderma viride [Fungi]. 026451
Fungistatic action of soil and survival of the *conidium* of **Helminthosporium** sativum Pamm., King et Bakke [Crown and root rot of cereals]. 028011
A nematode-destroying hyphomycete forming parallel multiseptate **hyaline** *conidia* in circular arrangement [Haptocara latirostrum, Fungi, new taxa]. 025583
Conidia **liberation** in Pyricularia [Plant pathogenic fungi]. 027967
Comparisons among isolates of Gremmeniella abietina [Pinus pests] by means of growth rate, *conidia* **measurement,** and immunogenic reaction. 027916

CONIFERAE

Studies on the determination of the solid volume of a pulpwood pile. Crooked broadleaved pulpwood, large-sozed pulpwood and *coniferous* **[Beutla]** pulpwood of approximate length. 025293

Field and computer techniques for stem analysis of *coniferous* **forest** trees. 025174
Harvesting timber of assigned groups of **quality** *[Coniferae].* 025439

CONIFERS
A new tissue essential to necrophylactic periderm formation in the bark of four *conifers* [**Abies,** Tsuga heterophylla, Thuja plicata]. 025974
The **grafting** of *conifers.* 025225
Chimeras, hyperplasia, and hypoplasia in frost burls [in *conifers* and **hardwoods**] induced by low temperature. 025017
A new method for the chemical purification of hardwood and *conifer* **stands.** 025188
Low-temperature-induced cankers and burls [injuries] in **test** *conifers* and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. 025018
Interrelationship between heights of **young** *conifers* and indices of needle development in their crowns. 027329

CONJUGATE
Indole-3-acetic acid: Mass spectra and chromatographic properties of amino **acid** *conjugates* [Plant growth regulators]. 026619
Use of immunoglobulin coupled to agarose beads for examining the specificity of *conjugates* [**Rabbits**]. 024595

CONODERUS
Seasonal vertical movement of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and *Conoderus* **Escholtz** [Maize]. 028711

CONOMYRMA
Colony organization and queen numbers in two species of *Conomyrma* [**flavopecta,** Conomyrma insana]. 029214

CONOPHYTUM
Conophytum **stephanii** Schwantes [Cultivation]. 027772

CONSCIOUSNESS
A new **barn** *consciousness* [Odor control]. 030845
A simple method for the sampling of respiratory gas in *conscious* **dogs.** 023607
Milk secretory response of the *conscious* **lactating** rat following intravenous injections of rat prolactin. 023510

CONSERVATION
Crusade for *conservation.* The **centennial** history of The American Forestry Association. 025009
Can there be a different view on orchids and *conservation?* **[Collecting,** Mexico]. 025543
[Nature] *conservation* and **development.** 030866
Pollination and **environmental** *conservation* [Effects of pesticides]. 029094
The scientific-educational activity of the Polish students on behalf of **environmental** *conservation.* 030839
Prediction of nutritive value of freshly harvested and *conserved* **fodder** oat using laboratory analysis. 023038
Identification and ratio of volatile acids in **[food]** *conservation.* 022378
Windbreak removal trends in the Great Plains **[Forest** *conservation].* 025032
Proposal for the *conservation* of the **generic** name 1393b Phragmipedium Rolfe (1896) (Orchidaceae), against Uropedium Lindley (1846). 025840
Proposal for the *conservation* of the **generic** name 1779 Oncidium Swartz (Orchidaceae) with a conserved type species, Oncidium altissimum Sw. 025841
Preparation and *conservation* of **hay** [Processing]. 023010
Mushroom *conservation* very much in fashion. 030891
General planning and *conservation* of **natural** resources for towns. 021206
The collector of butterflies and **nature** *conservation.* Remarks to the article by Georg Christensen published in No. 21, Jan. 11, 1975. 029343
The contribution of **nature** *conservation* to the achievements of People's Poland during the thirty years of her existence. 030836
Thirty years of **nature** *conservation* in People's Poland. 030842
The concept of 'waste' and the *conservation* of **nature.** 030865
Papua New Guinea: an example of *conservation* **opportunity** in the humid tropics. 030965
Soil erosion and *conservation:* **pampean** semiarid region [Argentina]. 030585
Should botanic gardens save rare plants? **[Plant** *conservation].* 025563
Lake Wister: impact on recreational [and farm] use from raising the *conservation* **pool** elevation. 030630
Effects of chopping ensilaged alfalfa (Medicago sativa L.) and the *conservation* **process** on the feeding behavior of sheep. 023918
A heritage inverted: our flora endangered *[Conservation* **program].** 025567
Conservation and **reforestation** closely allied to problem of taxation. 025138
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao Joao River valley, Rio de Janeiro [National forest **resources,** *conservation].* 025076
Saving wetlands for a rainy day [Natural **resources** *conservation].* 030941
The Agricultural Stabilization and *Conservation* **Service.** 021247
Those old cotton fields down home [Agricultural Stabilization and *Conservation* **Service].** 021790
Soil *conservation:* national problem [Argentina]. 030584
Careers in **Soil** *Conservation* Service. 030595
What audit means to the Kentucky State Conservationist, **Soil** *Conservation* Service. 030602
Embryological aspects of environmental toxicology: relation between environmental protection and the **successful** *conservation* of species in the view of experimental embryology. 030878
Proposal for the conservation of the generic name 1779 Oncidium Swartz (Orchidaceae) with a *conserved* **type** species, Oncidium altissimum Sw. 025841
Snow management for **water** *conservation* in Wyoming. 030708
Water *conservation* by snow management in North Dakota. 030712

CONSERVATIONISTS
What audit means to the Kentucky **State** *Conservationist,* Soil Conservation Service. 030602

CONSUMERS
Consumer **attitudes** towards food irradiation in the Netherlands. 021577
Consumer **attitudes** toward yogurt. 022267
What rabbit [meat] sells the best? Analysis of *consumer* **behavior.** 021596
Preparations for marketing irradiated potatoes and onions in the Federal Republic of Germany *[Consumer* and **health** considerations]. 021895
Consumer **knowledge** inventory: its impact on curriculum development in Montana schools. 021962
Telling the story of animal science to the *consumer* **[Livestock** husbandry]. 023127
Consumer **preferences** for vegetables grown under "commercial" and "organic" conditions. 022928
High quality eggs producer to *consumer* **[Processing].** 022724
Production adjustment programs [Agriculture and *Consumer* **Protection** Act of 1973]. 021693
Monomers in packaging materials *[Consumer* **protection].** 021941
Consumers' **responses** to high yielding varieties of rice. 021580
What the *consumer* **thinks** [Pork]. 021609
What the survey of the *consumers* of **tobacco** products has shown. 021972
TV and the *consumer.* 021980

CONSUMPTION
Biological and zootechnical problems relating to nutritional requirements for conventional and nonconventional proteins: production, **availability** and *consumption.* 022013
Beverage *consumption* patterns in New York State. 022118
Some questions on the rationalization of **cereal** *consumption.* 021652
Quality is not the cause of the decrease in cottage **cheese** *consumption* **[in West Germany].** 021486
Incidence and state of adulteration of **commonly** *consumed* spicies in Bombay City. II. Mustard, black pepper and asafoetida. 021903
European Community's use of vegetable oils gaining over animal **fats** *[Consumption].* 021533
Feed *consumption* and feeding performance as exemplified by the herd of cows of the Liquid Fertilizer Experimental Station [Austria]. 023702
Live weight growth and reproducibility of breeding bulls reared with free **feed** *consumption.* 023930
Fertiliser *consumption* in India. Estimates for 1978-79 and 1983-84. 030453
Contribution for stimulating **fertilizer** *consumption* in developing countries. 030517
Expenses and **food** *consumption* of the Italian family. 022231
Per capita **food** *consumption.* 022251
Measuring **fuel** *consumption* in tractor testing. 030160
Automatic acquisition of primary information about the *consumption* of **fuels.** 029897
Present status and prospects for the commercialization in Hungary of irradiated food items for **human** *consumption* [Economic feasibility]. 021393
Some problems related to the processing of potato for **human** *consumption.* 022899
Energy utilization in the **leading** *energy-consuming* food processing industries. 022431
World coffee production in 1975/76 **matches** *consumption* needs [Statistics]. 021514
World **meat** *consumption.* 021468
Determination of the cost curve in dairy production departments in dependence on capacity and capacity utilization. VII. *Consumption* **milk** section. 021419
Measurement of **milk** *consumption* in young ruminants [lambs and calves] using tritiated water. 023829
Prospects 1975-76 for flour and feed mills and macaroni industry *[Consumption,* **outlook,** statistics]. 021806
An automatic, closed-circuit **oxygen** *consumption* apparatus for small animals. 023459
An analysis of the generation of household solid wastes from *consumption* **[Pollution].** 030957
Malnutrition studies in Macaca mulatta. IV. Energy and **protein** *consumption* during growth failure and "catch-up" growth. 022005
Review of the agricultural situation in Europe at the end of 1974. Volume II. Dairy products, eggs [Production, *consumption,* **trade,** statistics]. 021489
Storage time and fermentation temperature of grass silage as factors affecting its **voluntary** *consumption* by sheep. 023055
Water *consumption* and provision of Moscow and the Moscow district in the future. 030784

CONTAINERS
Diffusion of regain in bulk wool. 9. Restrictive influence of a **cardboard** *container.* 022696
Influence of rate and placement of osmocote [slow-release fertilizer] on growth of *container-grown* **Celosia** argentia. 030526
Physiological aspects of fluid packaging in *cartons* **[Dairy** products, hygiene]. 021942
An **experimental** *container* for quantitative recording of root growth of young trees under varied conditions in the root region. 025544
The C 40 moving **farm** *container* [Manure spreaders]. 030039
Compressive properties of linerboard as related to corrugated **fiberboard** *containers:* a theoretical model. 025504
Container **grown** seedling operation in Maine [Forest]. 025224
The use of Sphagnum peat and brown coals for growing plantsin **hydroponic** *containers.* 027648
Sampling from *containers,* **kegs,** tanks and drums [Food bacteria]. 021900
Effects of irrigation on the [herbicide] movement of Treflan and **Lasso** in *containers.* 030724
Container **production** of cashew seedling rootstocks—seed germination in beds as an alternative to direct sowing. 027595
Influence of temperature, photoperiod and *container* **size** on the growth rate and development of tomato plants in growing rooms. 027611
Organization of *container* **transport** [of bottled beer]. 021491

CONTAMINANTS
Mass-spectroscopy of aflatoxins *[Contaminants* of **food].** 021981
Comparison of different plate count tests for determining the number of psychrotrophs **[Milk** *contaminants].* 022634

CONTAMINATION
Bacterial *contamination* of beet stored in an atmosphere with carbon dioxide. 022714
Contamination of **cereals** by polychlorinated biphenyls and hexachlorobenzene. 021891
Studies on the presence of microorganisms and keeping quality of canned processed cheese *[Contamination,* **Clostridium].** 022619
Automatic sample taking equipment for bacterial *[contamination]* **count** in milk tank trucks. 021866
The effectiveness of certain commercial bacteriophage inhibiting media [Streptococcus, dairy product starters, **cultures,** *contamination].* 022640
The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the dog and its effect on net **environmental** *contamination* with ova. 024792
PCBs [polychlorinated biphenyls] and **environmental** *contamination.* 030884
Resuspension and redistribution of plutonium in soils **[Environmental** *contamination].* 030903
A suspected outbreak of aflatoxicosis [Aspergillus flavus] among goats in Sri Lanka *[Contaminated* **feed].** 024948
Mycotoxicosis in cows caused by toxins of Aspergillus flavus Lk. [Wheat, **feed,** *contamination].* 025005
Proteolysis of milk and milk products by Pseudomonas **fluorescens** *[Contamination].* 021947
Yeasts of normal honeys from various sources **[Food** *contamination].* 021837
Incidence of Salmonella in pig meat in west Bengal and its public health significance **[Food** *contamination].* 021902
Distribution and removal of added mercury in milk **[Food** *contamination].* 021917
The flora of bacteria in fermented sausages **[Food** *contamination].* 022208
Closed-wound irrigation of compound and *contaminated* **fractures** as a preventive and treatment for osteomyelitis [Dogs, cats]. 024927
Sulfur content in wheat dried in internal-combustion dryers in relation to the sulfur content in **fuel** *[Contamination].* 022821
Survey and culture of the **fungal** *contaminations* of some feedstuffs. 023075
Influence of isolation distance on **genetic** *contamination* of field bean (Vicia faba L.) seed produced in small plots. 026190
Crucial problems of the protection of **lakes** against *contamination.* 030826
Disinfection, an efficient solution to avoid disease and *contaminations* on **[livestock]** farms. 024699
Inhibitory effect of alkylarylsulfones on the swarming of Proteus bacteria **[Meat** *contamination].* 021842
Microbial *contamination* of air by activated sludge units. 030987
Microbiologic *contamination* of bovine semen [Candida tropicalis, fungi]. 024226
An outline of **microbiological** *contamination* of commercially preserved vegetables during the last 15 years. 021858
A rapid test for the identification of enterococci **[Milk** *contamination].* 021944
Properties of staphylococci isolated from cow's milk in respect fo the evaluation of **milk** *[Contamination].* 021946
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of aflatoxin synthesis by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available **[Milk** *contamination].* 021948
Taxonomy of pseudomonads from **milk** *[Contamination].* 021949

On the *contamination* of **milk** and milk products with chlorinated hydrocarbons. I. Methods. 021982
comparison of analytical methods for chlorodibenzo-p-dioxins *[contamination]* in **pentachlorophenol.** 029104
Air sample studies for measurement of **pesticide** *contamination* from storage areas. 029084
The methodology of determining the **potential** *contamination* load in water management planning and the role of agriculture in it. 030961
Rapid screening method for aflatoxin in a number of [food and feed] **products** *[Contamination].* 021908
Study of *contamination* and **purification** of waste waters from dairy farms and milk processing enterprises. 030960
Microbial flora related to the alterations in Italian mortadellas (Bologna) **[Sausages,** *contamination].* 021897
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a sewage **sludge** *contaminated* with zinc, copperand chromium. 028360
Assisted pollination and *contamination* by **undesirable** pollens [Coconuts]. 026229
Significance of CELO **virus** *contamination* of hatching eggs, in view of its oncogenic properties. 024414
Plutonium in aqueous systems **[Water** *contamination].* 030902

CONTRACEPTIVES
Relationships of ascorbic acid to pregnancy, and **oral** *contraceptive* steroids. 022043

CONTRACTILE
Relationship between *contractility* and some **biochemical** properties of myofibrils prepared from normal and PSE [pale, soft, exudative] porcine muscle [Swine]. 022684
The influence of innervation on the differentiation of *contractile* **speeds** of developing chick muscles. 023611

CONTRACTS
Vertical integration and *contracts* in **agriculture.** IV. Synoptic survey. 021281

CONVALLARIA
Enhancement of CO2 [carbon dioxide] gas exchange in the leaves of *Convallaria* **majalis** L., its action spectrum and light saturation. 027275

CONVECTION
Convective and **evaporative** cooling in sawfly larvae [Perga dorsalis, Eucalyptus]. 028946
Natural *convection* heat transfer in covered plant canopies [Electrical system]. 029880
The influence of *convective* **sensible** heat transfer on the greenhouse and the curtain effect. 029890

CONVERGENCE
On *convergent* **lines** of similarity between fungi and some groups of animals. 026869

CONVEYORS
A **new** *conveyor* for direct storage of potatoes in bulk [EastGermany]. 030005
Tests of **screw** *conveyor* press for forming hydrolyzed lignin. 025338
Analysis of input power on **screw** *conveyer* drive. 029990

CONVOLVULACEAE
Flora of the **Marquesas.** 1. *Ericaceae-Convolvulaceae.* 025819

CONVOLVULUS
Control of Canada thistle [Cirsium arvense] and field bindweed *[Convolvulus* **arvensis]** in asparagus. 028609

CONVULSIONS
The effect of *convulsions* **induced** by flurothyl on ribonucleic acid synthesis in rat cerebral cortex during the recovery phase. 023291

COOKERY
Adapting an experimental **bean** *cooker* for automatic recording. 022925
Study of sulfonated carbohydrates forming in **bisulfite** *cooking* of spruce. 025411
Chemical, palatability and *cooking* **characteristics** of normal and low quality [pale, soft, exudative] pork loins as affected by freezer storage. 022674
Studies on the modification of natural water conditions for **cocoon** *cooking* operation in silk reeling process. 022534
Microwave and **conventional** *cooking* in relation to quality and nutritive value of beef and beef-soy loaves. 022232
Equipment probe 4: microwave ovens don't replace but complement **conventional** *cooking* units. 022334
Comparisons of methods for calculating retentions of nutrients in *cooked* **foods.** 022115
Eating quality and thiamin retention of turkey breast muscle roasted and *"slow-cooked"* from **frozen** and thawed states. 022101
Microbiological problems in partial and **fully** *cooked* and prepared foods. 021834
Chilled food systems [Quality-related propeties of *cooked* **ground** beef loaves]. 022666
Holiday *cooking* doesn't have to be a pain & a panic. 022355
Come on into the metric kitchen *[Cooking* **measurements].** 022198
Influence of *cooking* upon the **nutritive** value of potato and maize in diets for growing pigs. 023777
New **one-pan** *cooking* saves labor. 022301
Relationship between chemical composition and breakdown in *cooked* **potato** tissue. 022951
Effect of germination and *cooking* on the **protein** efficiency ratio of some legumes. 022179
Peak shear-force values obtained for veal muscle **samples** *cooked* at 50 and 60 Celsius: influence of aging. 022683
Effect of shortening during *cooking* on the **tenderness** and histology of beef. 022686

COOL
Carrot storage in rooms with **artificially** *cooled* air. 022955
Hemodyamic and ventilatory effects of *skin-cooling* in **cattle.** 023410
Susceptibility of sweetpotato lines to development of hardcore, a *chilling* **disorder** [Physiological diseases]. 028332
Effect of short **duration** *chilling* on the performance of strawberry [Injuries]. 028374
Effects of intravaginal flurogestone acetate and PMS [pregnant mares serum] administration on the reproductive performance of ewes in a *cool* **environment.** 024196
Plantwetting and **evaporative** *cooling* of greenhouse roses and other flower crops. 027623
Convective and **evaporative** *cooling* in sawfly larvae [Perga dorsalis, Eucalyptus]. 028946
Chilled **food** systems; effects of chilled holding on quality of beef loaves. 022119
Chilled **food** systems [Quality-related propeties of cooked ground beef loaves]. 022666
Chilled food systems; effects of *chilled* **holding** on quality of beef loaves. 022119
[Chilling] **injury** in fruit [Citrus storage]. 022888
Farm **milk** *cooling* and milk collection. Report transmitted by the government of Finland. 022557
Direct or indirect **milk** *cooling* is the problem. 022569
Newton's *cooling* coefficients of Uttar Pradesh soil clays in water media. 030317
Comparative measurements of fan and **pad** *cooling* and plant wetting [Greenhouses]. 029871
Effects of dormancy factors on the growth of vegetative buds of young apple trees *[Chilling* **requirements].** 027118
Soil *cooling* for Freesia's. 027628
Effect of geraniol on levels of volatile terpenoid compounds produced by apples during *cool* **storage** [Low temperature breakdown]. 022944
Some aspects of the influence of tropical climates on swine exploitations: *Cooling* **system.** 023147
Effect of *chilling* **temperature** on the flowering and fruiting stage in the second rice crop. 026940

COOPERATIVES
Activities of inspection committees in **agricultural** *cooperatives* of the Brno-Venkov district. 021236
Analysis of developmental tendencies of the gross income in unified **agricultural** *cooperatives.* 021359
Legal nature of the **agricultural** *cooperative* and its specialities as an enterprise. 021679
U.S., USSR set plans for 1976 in **agricultural** *cooperation.* 021727
Performance of bulls on **Arkansas** *cooperative* beef bull performance test 13. 024202
Internal commercialization of cocoa, an operational system of **central** *cooperation* of farmers in the south of Bahia. 021475
Cooperative **dividens** are low [Swine farms]. 021424
Frames or cabins having undergone the tests of the former codes of the Organization for **Economic** *Cooperation* and Development, with the indication of the tractors to which they fit. 030019
This is *Cooperative* **Extension** [Service of the U.S. Department of Agriculture]. 021308
Benchmarks show pioneering aspects of **farmer** *cooperatives* [History]. 021301
Contribution of *cooperation* in **French** poultry production regions. 021264
Riceland Foods: **innovative** *cooperative* in the internationalmarket [Soybeans]. 021099
Bulb research, development and **international** *cooperation.* 027593
Attempt to organize plum pox control in **international** *cooperation.* 028171
FAR-MAR-CO [farmers **marketing** *cooperative]* implementing producer wheat marketing system. 021602
Packing peaches will never be the same in southeast Missouri **[Marketing** *cooperatives].* 021603
From tribe to *cooperative:* **outline** of the evolution of OranHigh Plains. 021306
Organization of the Baden-Wurttemberg [swine] hybrid breeding program in *cooperation* with **production** and marketing arrangements. 024238
Organization of the [West German] Federal [swine] hybrid breeding program as a *cooperative* **program** of breeding organization and producer groups. 024239
Targets taking shape for education, **research** *[Cooperatives].* 021123
Pioneers of bulk storage of **rice** *[Cooperatives].* 022795
Cooperation of **science** and production [Integrated control of cotton pests]. 028762
Cooperative **seed** treatment trials—1974 [Tilletia, Ustilago, control]. 027928
Leadership institute brainstorms ever-changing climates, **theories** *[Cooperatives].* 021302
Main features of the social and economic changes and the social regroupement of the agrarian population in some **Transdanubian** *cooperative* villages. 021117
Grape and wine production within the framework of a joint **venture** *[Cooperation].* 021271

COOPERIA
Inhibited development of Cooperia punctata and *Cooperia* **pectinata** larvae in Zebu cattle of Niger. 024639

COPOLYMERS
Graft *copolymers* of dextrin and polyacrylamide as filler retention aids [Production of filled bond paper]. 025486

COPPER
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of *copper* in the **affected** orchard soils. 028445
The effect of *copper,* **cobalt** and molibdenum microfertilizers on the yield and quality of buckwheat. 030560
The meliacins (limonoids): minor constituents of Khaya anthotheca: reduction of the meliacins with *zinc-copper* **couple.** 027325
Hypocuprosis [deficiency of *copper]* in **dairy** cattle in Northland. 024881
Copper **deficiency** in Pinus radiata in a peat soil nursery. 028396
Mineralogical and geochemical properties of the soil cover in the area of *copper* **deposits** of the southern Urals. 030290
Tolerance of ponies to high levels of **dietary** *copper* [Toxiceffects]. 024967
Thiomolybdates and the *copper-molybdenum-sulphur* **interaction** in ruminant nutrition [Sheep]. 023752
The role of organic sulphur in the *copper-molybdenum-S* **interrelationship** in ruminant nutrition [Sheep]. 023709
On the complex formation of proteins with *copper* **ions** under acidic conditions [Soy protein]. 022849
Adsorption of *copper* by **mixed** pure clays [Minerals]. 030297
Interrelationship among available zinc, *copper* and **phosphorus** in soil. 030243
Ascorbate oxidase and **related** *copper* proteins. 022017
Pregnancy anabolism of *copper* in **relation** to the copper supply. 023954
Copper **requirement** of baby pigs on casein diets. 023887
Effect of *copper* on **root** cell elongation and germinability of seeds of fine-fibered cotton. 026971
Content of *copper* in **soils** and meadow plants in some regions of southern Poland. 030170
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in *copper* **solubility** resulting from amelioration of orchard soil on growth of an upland crop. 028446
Effect of air pollution by *copper,* **sulphuric** acid and fertilizer factories on plants at Harjavalta, West. Finland. 028330
Pregnancy anabolism of copper in relation to the *copper* **supply.** 023954
Evidence for ceruloplasmin as a *copper* **transport** protein [Rats]. 023271
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, *copper,* **zinc,** rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200

COPRINUS
Isolation and structure of coprine, a novel physiologically active cyclopropanone derivative from *Coprinus* **atramentarius** and its synthesis via 1-aminocyclopropanol. 027157
Differentiation in *Coprinus* **lagopus** [Fungi]. III. Expansion of excised fruit-bodies. 025944

COPROPHAGY
New *coprophagous* insects from the Central African Museum, Tervuren (Belgium) and from my museum [Coleoptera]. 029569

COPULATION
A scanning electron microscopic study of rabbit spermatozoa in the female reproductive tract **following** *coitus.* 024054
The *copulation* **reflex** of the drone honeybee [Apis mellifera]. 029831
Nature of the stimulus of the *copulation-induced* **rise** in lactic dehydrogenase activity in the rabbit oviduct. 024123

CORAL
A quantitative investigation of symplasmic transport in **Chara** *corallina.* III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the plasmodesmata [Algae]. 026439
Value of **crushed** *coral* as a source of calcium in layer rations [Chickens]. 023879
Algal zonation in the **fringing** *coral* reef of Curacao, Netherlands Antilles, in relation to zonation of corals and gorgonians. 025865

CORCHORUS *see* JUTE

CORCYRA
Aminotransferases in the larvae of the **insect** *Corcyra* cephalonica St. 029371
Aminotransferases in the larvae of the **insect** *Corcyra* cephalonica St. 029372

CORD
Physiological analysis of through-conducting systems in the ventral **nerve** *cord* of the scorpions, Heterometrus fulvipes C. Koch. 029257

COREIDAE
Natural products of abdominal and metathoracic scent glands of coreoid **bugs** *[Coreidae].* 029220
The life-history of Anoplocnemis curvipes F. (Coreinea, *Coreidae,* **Heteroptera**) a pest of fresh cowpea pods. 027207

COREOIDEA
Natural products of abdominal and metathoracic scent glands of *coreoid* **bugs** [Coreidae]. 029220

CORIANDRUM
Rutin and other polyphenols of the herbage of *Coriandrum* **sativum.** 026496

CORIARIA
Estimation of tutin and hyenanchin in honey. 3. Toxicity ofhoney samples from test hives, 1968-74 [Scolypopa australis, *Coriaria* **arborea**]. 021952

CORIXIDAE
Life histories of three species of *Corixidae* **(Hemiptera:** Heteroptera) from western Colorado [Callicorixa audeni, Cenocorixa bifida, Arctocorisa lawsoni]. 029205

CORK
Pathogenic species of actinomycetes—pathogens of *corky* **scab** of potatoes. 028153

CORMS
Gladiolus *corm* curing and storage environments in relation to flower production. 027603
On the resistance to benomyl of fungi isolated from bulbs and *corms* [**Penicillium,** Erythronium, Fusarium oxysporum]. 027882
Tolerance of Fusarium oxysporum f.sp.gladioli to benzimidazole fungicides [Gladiolus, *corm* **rot**]. 027884

CORN *see* **MAIZE**

CORNCOBS
Determination of particle length in *cobs* and **wafers** [Separator equipment]. 030143

CORNEA
The behavior of fibroblasts from the developing **avian** *cornea.* Morphology and movement in situ and in vitro [Chick embryos]. 023499
Regulation of the biosynthesis of the macromolecules of the intercellular matrix of the *cornea* [**Calves**]. 023606
Corneal **dermoids** in animals. 024913
Collagen cross-linking in [rabbit] *corneal* **scar** formation. 023313
Experimental keratoplasty in dogs and rabbits [**Transplant** of the *cornea].* 024322

CORONARY
Antiarrhythmic, Haemodynamic and metabolic effects of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in Greyhounds following **acute** *coronary* artery ligation. 023320
Advanced *coronary* atherosclerosis in swine produced by combination of balloon-catheter injury and cholesterol feeding. 024837
Simultaneous counting of 85Kr [kypton isotope] in lung and myocardium during measurement of *coronary* **blood** flow [Dogs]. 023472
Coronary reactive hyperaemia and *coronary* **dilator** action of adenosine during normal respiration and hypercapnic acidosis in the dog. 023374
Adenosine and diphyridamole actions and interactions on **isolated** *coronary* artery strips of cattle. 023319
Coronary **reactive** hyperaemia and coronary dilator action of adenosine during normal respiration and hypercapnic acidosis in the dog. 023374
A technique for measurement of **retrograde** *coronary* blood flow in intact anesthetized dogs. 023458
The role of H1 and H2-receptors in the *coronary* **vascular** response to histamine of isolated perfused hearts of guinea-pigs and rabbits. 023334

CORPORA
The imaginal diapause-break in females of Tetrix undulata (Sow.) by *corpora* **allata** of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277
Corpus **allatum** activity and wing determination in Megoura viciae. 029454
Cationic dependency of high affinity prostaglandin F2alpha receptors in **bovine** *corpus* luteum cell membranes. 024037
The size and physiological activity of **disconnected** *corpora* allata in Locusta migratoria migratorioides (R. & F.). 029200
Dense ergastoplasmic granules in the glandular lobe of the **locust** *corpora* cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
Observed associations between *corpora* **lutea** and follicular development in swine ovaries during the estrous cycle. 024093
The *corpus* **luteum** periodicum in the bitch: Histochemical and biochemical investigations during different phases of the cycle. 023422
The effect of oestrogens alone or in association with progestagens on the formation and regression of the *corpus* **luteum** of the cyclic cow. 024003
Investigations on improving the fertility of aged sows. I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and *corpus* **luteum,** as a means of determining cyclical status and ovulation rate. 024025
Neutral red, special fresh stain for *"corpus* **luteum"** in insects. 029503
Luteinizing hormone, progesterone and the morphological development of normal and **superovulated** *corpora* lutea in sheep. 024056

CORROSION
Influence of technological additives and of heating temperature on some chemical and physical changes in canned meat. I. Alteration of tin and iron content by *corrosion* of can. 021953

CORTEX
Adrenal *cortical* disease in dogs [Hyperadrenocorticism, hypoadrenocorticism]. 024919
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the **cerebral** *cortex* of unanesthetized and anesthetized rats. 023184
The effect of convulsions induced by flurothyl on ribonucleic acid synthesis in rat **cerebral** *cortex* during the recovery phase. 023291
Enzymic analysis of cell wall structure in apple **fruit** *cortical* tissue. 026042
Some studies on the production of goat **kidney** *cortical* cell monolayers. 023368
Cuticular and *cortical* **modifications** of keratinic fibers from reaction with methylamine. 022661
Modulation of the photically evoked potentials in the **motor** *cortex* of cats by influences of the somatosensor system and reticular formation. 023175
Evidence for direct projections from the hypothalamus to the lateral geniculate and **occipital** *cortex* of the cat as demonstrated by horseradish peroxidase technique. 023409
Effect of vasoactive agents on the distribution of **renal** *cortical* blood flow in dogs. 023182
Gluconeogenesis in the *kidney-cortex* **slices** of normal fed and starved sheep. 023660
Evidence for direct projections between the ponto-mesencephalic tegmentum and the **visual** *cortex* in the cat as revealed by the horseradish peroxidase technique. 023350

CORTICATA
Studies on Indian Gracilaria. I. Carpospore and tetraspore germination and early stages of development in **Gracilaria** *corticata* J. Ag. [Algae]. 025629

CORTICOSTEROIDS
Influence of *corticosteroids* on the **amount** and composition of milk in cattle. 023658
Endogenous *11-hydroxy-corticosteroids* in Pietrain pigs, German Large White pigs and Pietrain X Large White crosses and their relationship to meat quality. 023686
Corticosteroid **induced** parturition in cattle. 024218

CORTICOSTERONE
Effect of social stress and inherited **plasma** *corticosterone* levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. 029031

CORTICOTROPIN
The effect of ACTH *[corticotropin]* on **glucocorticoids** in stress-susceptible and stress-resistant pigs. 024894

CORTISOL *see* **HYDROCORTISONE**

CORTISONE
Lipid mobilization in rabbits. II. *Cortisone* **acetate.** 023633

CORYDALIS
Studies on the alkaloids of papaveraceous plants. XXII. Separation of the alkaloids by droplet countercurrent chromatography. 2. The quaternary bases of *Corydalis* **pallida.** 026658

CORYLUS
Distribution of fatty acids in triglycerides from *Corylus* **avellana** L. oil seeds. 022978
Embryogenesis in tissue culture of *Corylus* **avellana** L. 027302
Some data on the hazel tree *[Corylus]* in **intensive** culture. 4. 027712

CORYNEBACTERIUM
Stimulation and inhibition reactions in [pea] plants infected by *Corynebacterium* **fascians** (Tilford) Dowson. 028144
Interaction of *Corynebacterium* **michiganense** [bacterial canker] and meloidogyne incognita [root-knot nematode] on tomato. 028147
Leaf freckles and wilt of corn incited by *Corynebacterium* **nebraskense** Schuster, Hoff, Mandel, Lazar, 1972. 028150
Caprine pneumonia caused by *Corynebacterium* **ovis** [Goats]. 024547
Comparative toxic effect of the surface lipid of *Corynebacterium* **ovis** [in sheep] on peritoneal macrophages. 024570
Distribution of *Corynebacterium* **renale** among healthy bulls with special reference to inhabitation of type III in the prepuce. 024655

CORYNESPORA
A new fruit rot of brinjal (Solanum melongena L.) caused by *Corynespora* **cassicola** (Berk. and Curt.) Wei. 027942

CORYPHANTHA
Coryphantha **werdermannii** Boedeker [Cultivation]. 027773

COSMOS
Effects of B995 application on double **cosmos** *(Cosmos* bipinnatus) with special reference to the inhibition of peduncle elongation. 027145

COSSETTES
The influence of adding sulphurous acid and calcium bisulphite during the extraction of **sugarbeet** *cossettes* on the amount of pulp. 022855

COST
Economic aspects of cultivation and sale of cut Anthurium [**andreanum,** *costs].* 021431
Balancing the *costs* and **benefits** of nutrient labeling. 022256
Methodological problems in *cost* **calculation** in cattle farming [Argentina]. 021364
Counting the *cost* of **cattle** lice. 029006
Multiple cutting of sown grasslands in the central Urals [Hay yields, **composition,** *costs].* 027581
Possibilities of lowering **construction** *costs* on dairy barns. 021416
Economics of nitrogen fertilizer for **corn** *[Costs].* 030509
Analysis of *costs* for **cow** barn modernization. 021358
Field **crops** *costs* and returns from farm cost accounts. 37 farms, 1974. 021351
Fruit and vegetable **crops** *costs* and returns from farm cost accounts. 37 farms, 1974. 021352
Determination of the *cost* **curve** in dairy production departments in dependence on capacity and capacity utilization. VIII. Butter making section. 021418
Determination of the *cost* **curve** in dairy production departments in dependence on capacity and capacity utilization. VII. Consumption milk section. 021419
District *costs* and efficiency of pear packing in relation to facilities organization Lake County, California. 022914
Decentralized tomato processing: plant design, *costs,* and **economic** feasibility. 022870
Economics of mechanical pulping in newsprint or how to choose a gold mine based on different **energy** *cost* scenarios. 025507
Mechanical grape harvesting in Anjou *[Costs,* **equipment].** 021429
Internal **farm** *cost* accounting in vegetable growing. 021283
Field crops costs and returns from **farm** *cost* accounts. 37 farms, 1974. 021351
Fruit and vegetable crops costs and returns from **farm** *cost* accounts. 37 farms, 1974. 021352
Livestock costs and returns from **farm** *cost* accounts. 37 farms, 1974. 021353
Overhead costs from **farm** *cost* accounts. 37 farms, 1974. 021354
Effectiveness of rearing pregnant heifers on specialized **farms** *[Costs].* 021456
Linking pig prices to **feed** *costs.* 021425
The economics of using artificially dried green crops in milk production [Dairy cattle, **feeding** *costs].* 021410
Nutrient needs and **food** *costs* of women. 022087
Alfalfa **forage** *cost* analysis. 021432
Reducing [agriculture's] **fuel** *costs* with solar energy. 029976
Costs of **grazing** [cattle and horses] on public lands. 021433
Citrus **handling** *cost-price* squeeze continues. 021445
Guesswork means **higher** *cost!* 022300
Stable feed basis for development of animal **husbandry** *[Costs].* 021459
Solid waste management methods and *costs* in **independent** retail food stores. 030928
A comparison of **least** *cost* swine rations. 023882
Livestock *costs* and returns from farm cost accounts. 37 farms, 1974. 021353
Financial **management**—*cost* analysis in poultry industry. 021366
Costs and **margins** in the marketing of agricultural products in the Zona da Mata, of Minas Gerais. 021629
Production and **marketing** *costs* and margins for poultry and eggs. 021426
The *cost* of **meats** and meat alternates. 021848
Economic evaluation of hay harvesting **methods** *[Costs].* 021365
Energy demand and water resource management: some economic aspects *[Cost* **models**]. 021350
Production of grass meal in specialized associations of **Moldavia** *[Costs].* 021458
Cages—Are they *costing* you **money!** [Chickens]. 021427
Economic effectiveness of the production of granulated mixed feeds *[Costs,* **Mongolia**]. 021415
Cotton gin **operating** *costs* in the San Joaquin Valley of California, 1973/74. 022735
Overhead *costs* from farm cost accounts. 37 farms, 1974. 021354
Convenience and the *cost* of **plate** dinners and skillet main dishes. 021882
Economical prospects of protected cultivation *[Costs,* **prices,** returns]. 021357
Need of increasing fruit culture *[Cost,* **prices,** productive capacity, Colombia]. 021633
Calculation of **prime** *costs* of labor in service of aircraft for plant protection. 021454
Methods of estimating **processing** *costs* in dairy plant. 022587

Cost of **producing** crops in the irrigated Southwest. I. Arizona. 021448
Exploring ways and means to reduce the *cost* of **production** ofmilk to encourage dairy farming. 021396
Economic aspects of use of complete diets in milk **production** *[Costs].* 021408
The economics of greenhouse **production** *[Costs].* 021413
The cereals have paid for the milk **[Production** *costs].* 021439
Balance value, *cost* and **profits.** 022295
Study of returns obtained from using liquid brewer's yeast as a feed supplement to chicken **rations** *[Costs].* 021438
Solar energy **reduces** *costs* of drying and curing crops. 029977
That is the catch [Machine **repair** *costs].* 021387
Application of programming models to specialised bulb-growing farms *[Costs* and **returns,** Netherlands]. 021355
Economic evaluation of differences in planting densities [Bulbs, *costs* and **returns].** 021356
Costs and **returns** for selected crops in Closed Basin, San Luis Valley, Colorado, 1974. 021368
Costs and **returns** for irrigated crop production in the lower South Platte Valley, Colorado [Field crops]. 021369
Costs and **returns** for irrigated crop production in the Uncompahgre Valley, Colorado. 021370
Economic analysis of grain and oilseed production in Western Canada *[Costs,* **returns].** 021374
Comparison of various farm plans *[Costs* and **returns].** 021381
Profitability of nursery stock in Boskoop during 1973/1974 *[Costs,* **returns].** 021412
Economics of establishing young pecan orchards *[Costs,* **returns].** 021423
Methods of beef cattle production in the U.S.A. 3. Balance and critical study of the American system *[Costs* and **returns].** 021440
Improvement of zonal prices for cereals *[Costs,* **returns,** Ukraine]. 021455
Increase in effectiveness of animal husbandry by improving the structure of feeding *[Costs,* **returns].** 021457
Veal productivity of calves of dairy and beef-dairy [cattle] breeds in conditions of industrial technology *[Costs,* **returns,** meat composition]. 021460
Productivity of young cattle fed a ration enriched with Propiovit *[Costs,* **returns].** 023963
Economic analysis of planting kawakami paulownia (Paulowniakawakamii Ito.) in Taiwan *[Costs,* **returns].** 025079
Economic effectiveness of the application of mineral fertilizers in growing pine stands in Voronezh Region *[Costs,* **returns].** 025106
How much does drying hay under the **roof** *cost?* 021385
Practical ideas for *cost* **savings** in a brewery. 022548
Refrigeration puts **school** *costs* on ice. 022331
Influence of technical methods on the *costs* of **silaging** in high and flat silos. 021449
Four-year scheme for cultivation of seed potato **stock** *[Costs].* 021399
Cost of **storing** and handling cotton at public storage facilities, 1972-73, with projections for 1974-75. 022759
Economic aspects of cultivation of lilacs **[Syringa,** *costs].* 021430
An evaluation of two shell egg marketing **systems** *[Costs].* 021411
Establishing vegetative cover along logging access roads: **techniques**—*costs*—benefits. 025468
Note on the yield of jowar [durra] and groundnut and *cost* of **tillage** under various tillage systems. 030590
Experiment in growing **tomatoes** *[Cost].* 021398
Irrigating from the **underground** *[Costs].* 030698
Reducing water and **wastewater** *costs.* 030971
Cost of **wholesale** milk distribution in urban Utah. 021625
Cost of **wholesale** milk distribution in urban Utah. 021626
Prospective volume and *cost* of **works** in reclamative reconstruction of fields in the Estonian SSR. 021441

COSTELYTRA

Chemical control of pasture pests [Wiseana, *Costelytra* **zealandica]** on the West Coast [South Island]. 028773
Control of grass grub *[Costelytra* **zealandica]** in Otago and Southland. 028774

COTONEASTER

The effects of methyl decanoate and undecanol on *Cotoneaster* **apiculata.** 027291

COTTON

Evaluation of some insecticidal combination against sucking pests [aphids, mites] of *cotton* through **aerial** spraying. 028718
Field experiments with magnesium in **Alabama**—*cotton,* corn, soybeans, peanuts. 030431
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the yield of **American** *cotton* variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442
Irrigation of permanent **areas** *[Cotton].* 030676
Overwinter survival and spring emergence of the bollworm [Heliothis zea] in **Arkansas** *[Cotton].* 028735
Attractants for monitoring Pectinophora scutigera and related species in **Australia** *[Cotton].* 028725
Ways of improving seed production of *cotton* in **Azerbaijan.** 027440
Improved durable flame retardancy of *polyester/cotton* **blends.** 021975
Determining polyester in *cotton/polyester* **blends** with monoethanolamine solvent. 022840
The distribution and the lysis patterns of the bacteriophages of Xanthomonas malvacearum, the incitant of bacterial **blight** of *cotton.* 028149
The economic threshold of infestation for the *cotton* **bollworms** [Pectinophora gossypiella, Earias insulana] on yield in Egypt. 028801
Early maturing and resistance to [Verticillium] wilt of *cotton* **[Breeding].** 026212
Effect of foliar fertilisation on yield and quality of rainfed **Cambodia** *cotton.* 030451
Mono- and diquaternary ammonium **cellulose** *cottons* prepared in nonaqueous media. 022777
"A model for the degradation of *cotton* **cellulose."** A comment. 022788
Study of the supermolecular structure of wood and *cotton* **cellulose** by the method of alcoholysis in higher alcohols. 025334
A **closed-loop** *cotton-moisturization* system for cotton ginning. 022838
Fertilizers for *cotton* under the **conditions** of the Shirvan Steppe. 030490
Suppression of Heliothis spp. With *cottons* **containing** combinations of resistant characters [Heliothis zea, Heliothis virescens]. 028754
Small plot tests of insecticidal sprays for bollworm-budworm [Heliothis zea-Heliothis virescens] **control** on *cotton.* 028713
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, *cotton,* **cowpeas].** 022787
Plant protection is a must to harvest bumper **crop** of *cotton.* 028353
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of *cotton* **cushion** scales, Icerya purchasi Maskell in citrus orchard [Insect pests, biological control]. 028823
Turkey **cuts** *cotton* acres, production sharply. 021563
Two forms of *cotton* **damage** by spider mites [Tetranychus turkestani]. 028766
The growth and development indexes of *cotton* and a **diagnosis** of its high and consistent yield. 027390
Enhanced *cotton* yields with minimum use of water. 027393
'Planofix' for **enhanced** *cotton* yields. 027394
A mathematical treatment of rate data obtained in biological flow systems under nonsteady state conditions *[Cotton* **explant].** 027014
Use animal manure effectively! *[Cotton* **fertilizer].** 030430
The effect of concentrated fertilizers on the quality of *[cotton]* **fiber.** 030492
Surface properties of *cotton* **fibers.** 022761
Aphids as components of the *cotton* **field** biocenosis [Pests]. 028803
Faunal characterization of *cotton* **fields** agrogeobios in the Murgab oasis [Arthropa, including pests]. 029601
Types of fruit-bearing branches and fruit stalks [in **fine-fiber** *cotton].* 026036
The nutrient and irrigation regime of **fine-fiber** *cotton.* 027439
Irrigation of **fine-fiber** *cotton* in the Surkhan-Sherabad Valley. 030675
The irrigation regime of **fine-fiber** *cotton.* 030684
Effect of copper on root cell elongation and germinability of seeds of **fine-fibered** *cotton.* 026971
Selections in initial hybrid **generations** [of *cotton].* 026213
Cotton **gin** operating costs in the San Joaquin Valley of California, 1973/74. 022735
A closed-loop cotton-moisturization system for *cotton* **ginning.** 022838
What form is better? [Labor management in *cotton* **growing** farms]. 021290
Intensification and reduction of material imput capacity in *cotton* **growing.** 021402
The [economic] basis for an optimum machinery set up [on *cotton* **growing** farms]. 021405
Combined utilization of insecticides and fertilizers [in *cotton* **growing].** 028761
Cost of storing and **handling** *cotton* at public storage facilities, 1972-73, with projections for 1974-75. 022759
A full load on the *cotton* **harvesting** machinery. 021285
About the preparation for machine **harvesting** [of *cotton].* 027430
Herbicides on *cotton.* 028629
Production of OTI-2,3 preparation on the basis of industrial hydrolizates of *cotton* **hulls** [Protein feed additives]. 023033
Economics of production of **hybrid** *cotton* seeds utilising male-sterile line. 021377
A method of obtaining seeds of an intergeneric **hybrid** [of *cotton].* 026211
Isolation and structure of **1-hydroxy-7-methoxy-4-isopropyl-1,6-dimethyl-2(1H)-naphthalenone** from *cotton.* 026982
Increases of Heliothis spp. In *cotton* under various **insecticide** treatment regimes. 028733
Technological schemes of *[cotton]* **irrigation** with the PPA-165 sprinkler. 030682
Season and summer flush seeds and their influence on yield and quality of rainfed **Karunganni** *cotton* (Gossypium arboreum L.). 027395
The response of cell sap concentration and water content in *cotton* **leaves** to different combinations of soil salinity and nitrogen levels. 027062
Low-volume spraying of stands with dendrobacillin [for biological control of **lepidopteran** *cotton* pests]. 028763
Boll weevil [Anthonomus grandis] oviposition behavior: multiple punctured squares *[Cotton* **lines].** 028726
Providing the organism of *cotton-picking* **machine** operators with vitamins C and B2 during spring-summer period in Turkmenistan. 022114
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), sex attractant of the *cotton* **moth** [Pectinophora gossypiella, control]. 028795
Glycoprotein biosynthesis in plants: Demonstration of lipid-linked oligosaccharides of mannose and **N-acetylglucosamine** *[Cotton].* 026976
Ginning of **narrow-row** *cotton.* 022812
Those **old** *cotton* fields down home [Agricultural Stabilization and Conservation Service]. 021790
Contribution to the study of the influence of turbine cleanliness on the properties of *cotton* **open-end** spun yarns. 2. 022769
The experience of **operating** *cotton* harvesting machines working at various height in the Pakhtaaral state farm [Kazakh SSR]. 030071
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] methyl **parathion** [on *cotton].* 028755
Cotton **pest** management [Insects]. 028744
[Chemical] preparations against aphids *[Cotton* **pest** control]. 028767
Boll weevil *[cotton* **pests,** control]: survival in hibernation cages and in surface woods trash in central Texas. 028748
Phenotypic deviants in the ebony genotype in the boll weevil *[Cotton* **pests,** control] [Anthonomus grandis]. 028752
Cooperation of science and production [Integrated control of *cotton* **pests].** 028762
Progressive methods of *cotton* **pests** control. 028764
The system of integrated protection [of *cotton* from **pests]-how** should it be organized. 028765
Growth and fruiting of two **Pima** *cottons.* 027056
Isolation and purification of phenol oxidase from the leaves of the *cotton* **plant.** 026937
Isolation of triacetinase from the seeds of the *cotton* **plant.** 026938
Proteases of the seeds of the *cotton* **plant.** II. Separation and purification. 026939
The effect of growth-regulating substances on metabolism of carbohydrates in *cotton* **plant** organs. 026972
Hybrid forms of malate dehydrogenase of Fusarium oxysporum f. sp. vasinfectum and the *cotton* **plant.** 027950
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, translocation and distribution of 32P [phosphorus isotope] in *cotton* **plants** under different light conditions. 026945
Effect of [the defoliant] Butifos in relation to the provision with water [of *cotton* **plants].** 027433
Metabolism of [systemic insecticide] thiofanox in *cotton* **plants** [Residues]. 029110
U.S. *Cotton* **policy** outlined at international meeting [Marketing]. 021565
Open-end spun yarns made from blends: their properties during bobbin formation **[Polyester,** *cotton].* 022770
Ways of increasing the **production** of *cotton.* 021406
Bollworm (Heliothis sp.) control on **rainfed** *cotton* of tinnies tract of Tamil Nadu. 028717
The system of paying a 50% additional payment for **raw** *cotton* sold to the state by collective, state and other types of farms above the annual fixed plan. 021404
Improvement of the techniques of sampling and analyzing **[raw]** *cotton.* 022793
A novelty in grading **raw** *cotton.* 027429
Irrigation regime of *cotton* in **relation** to vertical drainage. 030678
The Gezira Scheme: production of *cotton* and the **reproduction** of underdevelopment. 021277
The problem of constructing a new *[cotton]* **roller** gin. 030073
Narrow **row** *cotton*—for Georgia? [Planting density]. 027410
Cotton **sales** skid cuts U.S. Exports to Hong Kong. 021528
Irrigation according to the concentration of cell **sap** [of *cotton].* 030674
Chemical seed treatment to control damping-off of *cotton* **seedlings** [Rhizoctonia solani]. 028082
Improvement in production of the **seeds** of *cotton.* 027434
Mechanized irrigation of *cotton* with **semirigid** pipelines. 030070
French curtail, **shift** *cotton* import trade. 021536
Plant, soil and shadow reflectance components of row crops [Corn, *cotton,* **sorghum,** remote sensing]. 027465
Soviet *cotton* crop ends run of records [Production]. 021561
The effect of *cotton* **sowing** policy on the dynamics of harmful and useful Arthropoda populations. 028745
The effectiveness of combined treatments of *[cotton]* **stands.** 027438
The efficiency of agrotechnical and chemical control of weeds [in *cotton* **stands].** 028527
Abrasion of textile **surfaces** *[Cotton].* 022760
The depth of plowing and the development of the root **system** [of *cotton].* 027437
The damage and damage threshold assessments of Thrips **tabaci** to *cotton.* 028800
Insect-resistant textile bags: new construction and treatment **techniques** *[Cotton].* 028988
The problem of improving the irrigation **technology** of *cotton.* 030685
Combined interrow **tillage** [of *cotton].* 027431
Clover cutworm [Scotogramma **trifolii]** on *cotton.* 028760
Turkey expanding, **updating** *cotton* spinning sector. 021726

Breeding implications from a diallel analysis in two environments of yield and component characters in **Upland** *cotton* (Gossypium hirsutum). 026301
Methods of field testing of *[cotton]* **varieties** [against Verticillium wilt]. 027435
Tamcot SP21, SP23, SP37: *cotton* **varieties.** 027442
About the development of *[cotton]* **varieties** with complex resistance [to Xanthomonas malvacearum and Rhizoctonia solani]. 028143
The mechanization of harvesting fine-fiber **varieties** of *cotton.* 030072
Economic efficiency of *[cotton]* **variety** changing. 021401
Cotton **variety** Tashkent 1 improved. 027432
A device for saving irrigation **water** in *cotton.* 030646
Cotton **weathers** the crisis [Supply, demand]. 021529
Meiotic chromosome pairing in triploid hybrids of Gossypiumhirsutum L. *[Cotton]* with **wild** Australian species. 026103
Directional variability of Verticillium [**wilt** of *cotton].* 028000
Fungicide properties of topsine for control of [Verticillium **wilt** of *cotton].* 028001
The effect of membrane-active substances and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. *[Cotton* **wilt** compared withtomato rot, Botrytis cinerea]. 028026
The effect of various factors on the production of pectolytic enzymes by Verticillium dahliae Kleb. *[Cotton* **wilt**]. 028027
Application of the B-V electronic hairness tester to the *cotton* **yarns:** nature and efficiency of the measure. 022768
Preceding crops and the **yields** [of *cotton].* 027436

COTTONSEED
Effect of water and BHT [butylated hydroxytoluene] on stability of *cottonseed* **oil** during frying. 022790
The effects of urea, *cottonseed* **oil** meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Air pollution control at *cottonseed* **oil** mills. 030912
Interaction of gossypol with *cottonseed* **protein:** potentiometric studies. 022791
World *cottonseed* production down, oil and meal exports to decline in 1976. 021643

COTTONTAIL *see* RABBITS

COTTONWOOD
Nebraska's *cottonwood* [Populus] resource. 025097
Great **Plains** *cottonwood* [Populus] research needs. 025191
A *cottonwood* [**Populus**] management program for Kansas. 025190

COTURNIX
Tanycyte absorption affected by the hypothalamic deafferentation in Japanese quail, *Coturnix* **coturnix** japonica. 023363
Effect of prolactin on thyroid function in Japanese quail **(Coturnix** *coturnix* japonica). 023415
Effect of restricted feeding during the growing period on the body weight and egg production of Japanese quail, *Coturnix* **coturnix** japonica. 023688
Morphological aspects of the congenital torticollis in the Japanese quail **(Coturnix** *coturnix* japonica). 024864
Scanning electron microscopy of the ependymal cell surface of the median eminence. I. Median eminence of **Japanese** *quail(Coturnix* coturnix japonica). 023685
Effect of prolactin on thyroid function in Japanese **quail** *(Coturnix* coturnix japonica). 023415
Role of catecholamines in photoperiodically-induced gonadal development in *Coturnix* **quail.** 024038
Morphological aspects of the congenital torticollis in the Japanese **quail** *(Coturnix* coturnix japonica). 024864
Scanning electron microscopy of the ependymal cell surface of the median eminence. I. Median eminence of Japanese **quail(Coturnix** *coturnix* japonica). 023685

COTYLEDONS
Cytochemical demonstration of malate synthase and Glycolate oxidase in microbodies of **cucumber** *cotyledons.* 027265
Role of *cotyledons* in **germination** and dormancy breaking of apple embryonic axis, after treatment with abscisic acid. 027232
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in *cotyledons* of **mustard** [Sinapis alba] seedlings in the absence of photosynthesis. 026787
Development and intracellular distribution of enzymes of the oxidative pentose phosphate cycle in **radish** *cotyledons.* 027266
Carnitine content of pea **seedling** *cotyledons.* 027241
Changes in mineral contents of *cotyledons* and **young** seedlings of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310

COUGH
Seroepizootiological studies on the importance of parainfluenza 2 infection in **kennel** *cough* in Germany [Dogs]. 024804

COULOMETRY
Coulometric **determination** of organic substances in the concentrates of spent liquor from [wood].spirit production. 025302

COUMARIC
Evidence for covalently **attached** *p-coumaric* acid and ferulic acid in cutins and suberins [of fruit and vegetables]. 027271

COUMARINS
Coumarin from **Artemisia** obtusiloba and Artemisia martjanovii. 026471
Coumarins of the **genera** Asperula and Galinum. 026472
Effect of *coumarins* on **germination** and growth of some forage grasses and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. 026997
Coumarins from **Heracleum** wallichii and Heracleum nepalense. 026730
Structure and configuration of the *coumarins* **mogoltadone** and mogoltadin [Ferula mogoltavica]. 026500
Mass-spectrometric study of the *coumarins* **mogoltin,** mogoltavin, and mogoltavinin [Peucedanum mogoltavicum]. 026489
Components of Umbelliferae. VII. Two **new** *coumarins* of Heracleum granatnse Boiss. Elench. 026362
Structure and configuration of **new** *coumarins* of the roots of Ferula mogoltavica. 026499
Structure of a **new** *coumarin* from Murraya paniculata (Jack). 026609
Structure of the *coumarin* **reoselin** [Ferula pseudooreoselinum]. 026502
Alkaloids and *coumarins* from **Zanthoxylum** belizense. 026713

COURTSHIP *see* MATING

COVERS
The study of *covering* **date** by vinyl tunnel for strawberry. 027825
Results and knowledge obtained from measuring **floor** *coverings* for cattle. 029908
Microvariations in soil climate under two kinds of **forest** *cover.* 030195
Use of **grass** *covers* for intensification of agricultural production and improvement of the environment [Culture, varieties, pastures, lawns]. 027449
Effect of **ground** *cover* and pasture height on oviposition and establishment of soldier fly larvae [Inopus rubriceps]. 028778
An application of the aerial gamma monitoring techniques for measuring **snow** *cover* water equivalents on the Great Plains. 030700
Backwater shutters with a **soft** *covering* [Irrigation channels]. 029941
Soil [invertebrates] fauna of orchards and vineyards in relation to **soil** *cover.* 030228
Evaluation of soil map details by using the structural parameters of the **soil** *cover.* 030288
Mineralogical and geochemical properties of the **soil** *cover* in the area of copper deposits of the southern Urals. 030290
Establishing **vegetative** *cover* along logging access roads: techniques—costs—benefits. 025468

COWDUNG *see* MANURE

COWPEAS
Gastrointestinal gas production in rats fed on diets containing germinated **legumes [Greengram, chickpea** and *cowpea].* 022183
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility **[Kidney beans, rape, sesame, cotton,** *cowpeas].* 022787
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission **efficiency** *[Cowpeas].* 028771
The life-history of Anoplocnemis curvipes F. (Coreinea, Coreidae, Heteroptera) a pest of **fresh** *cowpea* pods. 027207
Effects of light and temperature on nodulation of *cowpea* and **hyacinth** bean. 027189
Studies on the infection with *cowpea* **mosaic** virus. 028243
New *cowpeas* are here. 027764
Cowpea **powders** dried with methionine: preparation, storage stability, organoleptic properties, nutritional quality. 022929
Effects of gamma radiation on the egg stage of the **southern** *cowpea* **weevil, Callosobruchus** maculatus F. 028895
Nitrogen fertilizer management for *cowpea* **(Vigna** unguiculata) production in Sierra Leone. 030568
The entry and spreading of cucumber mosaic **virus** *[Cowpeas].* 028245

COWS *see* BOVINE

COXSACKIE
Correlation of polypeptide composition with antigenic variation in the swine vesicular disease and *coxsackie* B5 **viruses.** 024659

COYOTES
Coyotes do **kill** sheep! [Predators]. 023136

COYPUS
Ecological relationships and breeding biology of the *nutria* **(Myocastor** coypus) in the Tampa, Florida, area. 024113
Progressive *nutria* mutation breeding. 024065

CRABS
Crab **apples** [Varieties]. 027682
Double-flowered ornamental [Malus] *crab* **apples:** Cameron, Maybride and Prince Charming [cultivars]. 027723

CRACKING
Appearance of **bark** *cracking* and process of healing of the cracks caused by low temperatures on trees of Populus X euramericana clone I-214. 025062
With high pressure in the last *crack* **[Cleaning** equipment]. 030059
Pattern of *crack* **formation** in rice grain as influenced by shape and orientation of cells. 022792
The effects of irrigation frequency and cultivars on **premature** *cracking* and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. 030632
A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its blossom-end-rot and *cracking* **[Rhysiological** disorders]. 027178
Symptoms of **star** *crack* virus on the fruit and shoot growth of apple cultivars. 028200

CRAMBE
Effects of beet western yellows virus on *crambe* in the **greenhouse.** 028264

CRANBERRIES
Use of expanded color scales to predict chemical and visual changes in solutions *[Cranberry* **juice].** 022939
The **Massachusetts** *cranberry* crop potential for 1975. 021709
Wisconsin *cranberry* lore [Cultural history]. 027586

CRANES
Crane's **Bill**—Geranium [sylvaticum, varieties]. 027800
Statical solution on the **cable** *crane* [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. 025421
Movement of *cranes* on a **rigging** basis [Logging equipment]. 025443

CRASSIPES
The water hyacinth **(Eichhornia** *crassipes* Solms) in the Nile system, Egypt. 025608
Influence of nutrient additions and initial density of plants on production of water hyacinth **Eichhornia** *crassipes.* 026372

CRASSULACEAE
Foliar structure and intraplastidial starch accumulation in a *Crassulaceae* **Bryophyllum** diagremontianum Berger. 026699

CRATAEGUS
Steroid and triterpene glycosides of *Crataegus* **pentagyna.** 026498

CREAM
Improving **ice** *cream* deliveries to retail and institutional outlets. 021589
Hygienic production of industrial **ice** *cream.* 021868
Quality testing of **ice** *cream* in 1974 by the German Agricultural Association. 021871
Ice *creams* and sherbets. Quality requirements and market situation. 021896

CREATINE
Production by *creatine* of **creatine** kinase B synthesis in developing monolayer culture muscle cells [Chick embryos]. 023312
The nitrosation products of *creatine* and **creatinine** in model systems. 022555
Production by creatine of *creatine* **kinase** B synthesis in developing monolayer culture muscle cells [Chick embryos]. 023312
The nitrosation products of creatine and *creatinine* in **model** systems. 022555
Effect of different dietary protein intake on **urinary** *creatinine* excretion in adults. 022107

CREDIT
Farmers Home **Administration** *credit* for American Indians. 021422
Prairie Village, [Kansas], Commodity Office operations **[Commodity** *Credit* **Corporation].** 021692
Lines of *credit* for **developing** irrigation in Brazil. 030686
Emergency livestock "line of *credit"* **guarantees** [Farmers Home Administration, rural loans. 021421
Investment *credit* available for greenhouse construction. 021376
Aspects of **rural** *credit* [Angola]. 021434

CREEPING
Creep **feeding** and subsequent maternal ability of Simmental cross calves. 023628
Study of electrical drainage as applied to clay soil in a **land** *creep* zone. 030667
Dilatancy of frozen soil and development of a strain **theory** or *creep.* 030208

CREPIS
The joint action of gamma rays and ethylenimine during the presynthetic period of the mitotic cycle on cells of seeds of *Crepis* **capillaris.** 026287

The radiosensitivity of cells in various phases of the mitotic cycle in *Crepis* **capillaris** L. seedlings. 026288

CRESOL

On phenol and *p-cresol* **o-hydroxylation** by tyrosinases in the presence of ascorbic acid [Mushrooms, potatoes]. 027230

CRETACEOUS

Palynology of some Upper *Cretaceous* **coals** of Black Mesa, Arizona. 025798

CRICKETS

Daily rhythm of the scototactic orientation of the **forest** *cricket* Nemobius sylvestris (Bosc): Precise biological importance. 029447
Excreta analysis on additional cockroach [Parcoblatta pennsylvanica] species and the **house** *cricket* [Acheta domesticus]. 029310
Acoustically orienting parasitoids: fly [Euphasiopteryx ochracea] phonotaxis to *cricket* **song** [Gryllus integer]. 029489

CRICOTOPUS

Lethal levels of sodium chloride and potassium chloride for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, *Cricotopus* **trifascia,** Hydroptila angusata] of Lake Michigan. 029346

CROCUS

Four new taxa in **Turkish** *Crocus* (Iridaceae). 025732

CRONARTIUM

Resin canker *[Cronartium* **flaccidum,** control, Pinus]. 028117
Accelerated evaluation of the germinating power of the spores of resin **fungi** *[Cronartium].* 028107
Research activity in some forest pathology institutes in the United States of America: report of a study trip [Pinus monticola, Cronartium ribicola, *Cronartium* **fusiforme**]. 027988
Resistance to *Cronartium* **ribicola** in Pinus monticola: an analysis of needle-spot types and frequencies. 027921
Research activity in some forest pathology institutes in the United States of America: report of a study trip [Pinus monticola, *Cronartium* **ribicola,** Cronartium fusiforme]. 027988

CROPS

Influnece of varied soil cultivation and sowing speeds on yields of **agricultural** *crops* [Cereals, culture, mechanization]. 027530
Yield response to soil warming: **agronomic** *crops* [Soil temperature for optimum growth, utilization of energy production waste waters]. 026895
The application of regional geochemical reconnaissance data in areas of **arable** *cropping* [Soil survey]. 030252
Cutting and *cropping* in **artificial** media [Horticultural plants, potting soil substitutes]. 027596
Note on the rubidium as a substitute for potassium in **barley** *crop* [Fertilizers]. 030469
Applications of post-emergence herbicides in pea and dwarf **bean** *crops.* 028584
Penoxalin, a new selective herbicide for weed control in peas, **beans** and other *crops.* 028562
Resistence of phorate [insecticides] on 'muung' [mungo beans] and 'arhar' [mung **beans**] *crops.* 028847
Weed-crop **behaviour** in pure and mixed stands of maize and Echinochloa colona Link. 028542
Ethylene disorders in **bulbous** *crops* [Tulipa] during storageand glasshouse cultivation. 028301
Plant protection is a must to harvest **bumper** *crop* of cotton. 028353
The selective control of grasses in red clover (Trifolium pratense) and lucerne (Medicago sativa) *crops* by **carbetamide** and propyzamide. 028606
Investigations on the effects of stubble and **catch** *crop* treatments on physical soil properties and yields in a sugarbeet rotation on a Pseudogley-Parabrown soil. 030257
Express method of determining the productiveness of **cereal** *crops.* 027570
Combine and transportation complexes in the harvesting of **cereal** *crops.* 030167
Genetical effect of the toxin of the fungus Phoma tracheipfilla (Petri) Kantschaveli et Gikaschvili on **citrus** *crops.* 028097
The results of testing some fungicides against anthracnose of **citrus** *crops* [Colletotrichum gloeosporioides]. 028099
Research results on the *crop-tree* **clonal** test study [Populus euramericana]. 025250
Nightshade [Solanum] **control** in *crops.* 028526
The status of Crumenula sororia infections in *crops* of **Corsican** pine [Pinus nigra maritima]. 027953
Soviet **cotton** *crop* ends run of records [Production]. 021561
The Massachusetts **cranberry** *crop* potential for 1975. 021709
Science, technology and the university in the development of the agricultural sector *[Crop* **cultures,** yields, Angola]. 025566
Solar energy reduces costs of drying and **curing** *crops.* 029977
Bibliography on the genus Arvicola Lacepede; work published in Europe from 1900 to 1972 (excluding Russia) [Rodents causing severe **damage** *crops].* 028420
The influence of distance between rows and *crop* **density** on grain yield and dry matter content in grain maize. 027568
Phytopathology today: threat of plant **diseases** to our *crops.* 028447
Preliminary studies on the development of young spikes in the second crop of the **double** *cropping* rice. 027388
Double *cropping* and fertility levels under irrigation in eastern New Mexico [Sorghum, barley]. 027496
Fertilization of **double** *cropping* and no-till systems: a review and a projection [Maize]. 030461
Physiological principles of **dryland** *crop* production. 026962
The relationship of Granny Smith apple tree growth and **early** *cropping* to planting density and rectangularity. 027766
Field screening of new chemicals for herbicidal activity, 1975 **[Economic** *crops].* 028530
Irrigation for maximum yields **[Economic** *crops].* 030652
Studies on the use of herbicides in sugarbeet growing as combined with several agrotechnical measures for better *crop* **emergence.** 028493
A set of refrigerated greenhouses for *crop* **environment** research-air flow problems. 029868
Crop **equivalent** rating guide for soils of Minnesota [Yields, maize, wheat, alfalfa, Poa]. 027450
Estimating *crop* acreages in the prairie provinces. Application of recursive programming. 021171
Eyespot (Cercosporella herpotrichoides Fron) in concentrated cereal growing as influenced by several cultural and *cropping* **factors.** 027907
Field *crops* costs and returns from farm cost accounts. 37 farms, 1974. 021351
Yield response [of **field** *crops* and vegetables] to soil warming: economic feasibility [of utilizing energy production waste waters]. 021363
Costs and returns for irrigated crop production in the lower South Platte Valley, Colorado **[Field** *crops].* 021369
Investigation of trace elements uptake by plants on peat soils at Keszthely. IV. **[Field** *crops].* 026886
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme **[Field** *crops].* 026966
The Delta Branch station [of the University of Arkansas, Agricultural Experiment Station, culture of **field** *crops].* 027372
Cultural practices **[Field** *crops].* 027477
Ways of introducing new varieties [of **field** *crops]* into production. 027523
Consequential decisions of the State Commission of Varieties **[Field** *crops].* 027536
Cultural and technological assuring of raw materials for hot air dryers in higher districts **[Field** *crops].* 027537
Nutritional physiology of zinc and symptoms of its deficiency in some **field** *crops.* 028364
1976 **field** *crops* herbicide manual for dealers and custom applicators. 028483
Experiments with scientific control of plant feeding on a Tachov branch farm [Mineral fertilizers, **field** *crop* yields]. 030547
Increase of soil fertilizity with green manures **[Field** *crops].* 030548
Economic effectiveness of application of semi-liquid manure **[Field** *crops].* 030555
Tile and surface drainage of clay soils. II. Hydrologic performance with **field** *crops* (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
Retailing **florist** *crops* through mass merchandising outlets: Rochester, New York and Hartford, Connecticut. 022862
Plantwetting and evaporative cooling of greenhouse roses and other **flower** *crops.* 027623
Flower *crops* in peat substrates. 030399
A comparison of chemicals for the control of Nysius [huttoni] on brassicas **[fodder** *crops].* 028772
Food *crop* production systems: preliminary results. 021255
Determination of paraquat [herbicide] residues in **food** *crops* by gas chromatography. 028500
Forage *crop* producing in hill and mountain areas. Foundations for the organization of cultivation. 021274
Bringing back blue grama [Bouteloua gracilis, growth as **forage** *crop].* 026885
Chlorophyll amount for analysis of matter production in **forage** *crops.* II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in **forage** *crops.* III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Dormancy breaking in the light-sensitive seeds in temperature **forage** *crops.* IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Practical use of mapping [for growing **forage** *crops].* 027412
Progress report on seed protein trials 1974/75 **[Forage** *crops].* 027473
Forage *crop* varieties and seeding mixtures for 1976. 027583
Forage *crop* disease survey in Thailand. 028426
Plague fights plague [Nosema locustae control of grasshoppers on **forage** *crops,* biological control]. 028701
Forecasting *crop* quality [Sugarcane, price-quality schemes, statistical analysis]. 021632
Fruit *crops* teaching and research at the University of Science and Technology, Kumasi, Ghana. 027602
Potential new systems for perennial tropical **fruit** *crops.* 027624
On the problem of fertilizers for **fruit** *crops* in the Ukraine. 030563
Benomyl [methyl N-(l-butylcarbamoyl) benzimidazol-2-yl carbamate] residues **[Fungicides** in *crops].* 029146
The effect of steam sterilisation of soil on the manganese uptake by **glasshouse** *crops.* 027637
Heat radiation from a **glasshouse** *crop* canopy at night. 029878
France's **grain** *crops* down, but exports may be higher. 021535
Mexican **grain** *crops* recover from 1974/75 lows [Production]. 021545
Soviet distress slaughter [of hogs and poultry brought about by the poor **grain** *crop]* down from September high [Production]. 021562
Productivity of **grain** *crops* in rotations of the southeastern districts of the Ukrainian steppes. 027562
Balance of soil moisture in **grain-sugarbeet** *crop* rotation. 030383
Nomenclatural changes in stem borers [Chilo] of **gramineous** *crops.* 029581
The economics of using artificially dried **green** *crops* in milk production [Dairy cattle, feeding costs]. 021410
The effect of slurry nitrogen in dependence on application date, straw manuring and *catch-crop* **growing** under different local conditions. 030419
Amounts of nutrients for *crops* **grown** in pot experiments-rice [Fertilizers]. 030482
World **hops** *crop* dips [Production]. 021645
Annotated bibliography on root temperature and plant growth, 1967-1974 **[Horticultural** *crops].* 027285
The results of state variety testing [of field and **horticultural** *crops]* for 1974. 027519
Introductory address: 75 years research of protected cultivation **[Horticultural** *crops].* 027613
Third Africa Symposium on **Horticultural** *Crops,* University of Nairobi, Nairobi, Kenya, 18, 19, 20 September 1973. 027649
Whiteflies [Trialeurodes vaporariorum, Aleurodes spiraeoides]: their biology and control **[Horticultural** *crops].* 028833
1974 evaluation of candidate pesticides. Insecticides: upland **[horticultural]** *crops.* 028876
Use of slow-release fertilizers in peat substrates [for growing **horticultural** *crops].* 030408
Current projects on biological control of **insects** *[Crops].* 028675
Costs and returns for **irrigated** *crop* production in the lower South Platte Valley, Colorado [Field crops]. 021369
Costs and returns for **irrigated** *crop* production in the Uncompahgre Valley, Colorado. 021370
Effects of fertilizer, barnyard manure, and crop residues on **irrigated** *crop* yields and soil chemical properties. 030437
Insect pests of **leguminous** *crops* [Peas, beans]. 028909
The response of the heated glasshouse **lettuce** *crop* to in situ supplements of low illuminance fluorescent light. 027645
Marrowstem kale as the **main** *crop* [Forage plants, yields]. 027368
Snow trapping and *crop* **management** with tall wheatgrass barriers in Montana [Soil water supplies]. 030710
Chemical desiccation of potato tops, a useful component in the technology of **mass** *crop* production [Harvesting aid]. 027848
Heat unit concept of *crop* **maturity.** 026961
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in **maximum** *crop* growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, **maximum** *crop* growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Determination of pesticide residue in *crops* by **means** of neutron activation technique. 029161
Mechanization in the care of **melon** *crops.* 030064
Use of sewage sludge on agricultural land and the effects of **metals** on *crops.* 030567
Erosion control with **no-till** *cropping* practices. 030621
Methods and results of breeding **oil** *crops* in the Don region. 026259
General trends of action of the Interprofessional Technical Center of Metropolitan **Oil** *Crops* during the next years. 027374
Technical program of the Interprofessional Technical Center of Metropolitan **Oil** *Crops.* Studies and tests carried out during the 1974-1975 season. 027375
Shift in *cropping* **pattern** as a result of scarcity of fertilizers. 030471
Baits for the control of the hairy-footed gerbil, Gerbillusgleadowi **[Pests** of *crops].* 028458
Crop **physiological** aspects of coffee bean yield: a review. 026638
Persistence of endosulfan [insecticide] on "moong" [mung beans] and "arhar" **[Pigeonpeas]** *crops.* 028845
Effects of fertilizers on fruit length and yield of ratoon Smooth Cayenne **pineapple** *crop* in Sierra Leone. 030396
Drought injury and resistance of *crop* **plants.** 028370
Transport mechanism in soil. Metabolism and movement of insecticides from soils into water and *crop* **plants.** 030330
European **potato** *crops* decline [Production]. 021534
Preceding *crops* and the yields [of cotton]. 027436
Yield of winter wheat in relation to **preceding** *crops* and fertilizers. 027554
Preceding *crops* and wheat yield. 027575

Synchronization of function in the foregut of the blowfly Phormia regina (Diptera: Calliphoridae) during the *crop-emptying* **process.** 029289
Cost of **producing** *crops* in the irrigated Southwest. I. Arizona. 021448
Program for rationalization of further development of *crop* **production** in the Mlada Boleslav district [Estimates]. 021334
Value of *crop* **production** in Kansas [Returns]. 021371
Ecological aspects of *crop* **production.** 025923
The effect of humidity on *crop* **production.** 026585
Moisture availability and *crop* **production.** 027531
Industrial [horticultural] *crop* **production** [Mechanization and automation]. 027608
Wind effects and their amelioration in *crop* **production.** 028371
Hail formation and control *[Crop* **protection].** 028432
Hail formation and control *[Crop* **protection].** 028433
Control for *crop* **protection** [Pesticides, application, Armenia]. 029186
Review of recent research on **pulse** *crops.* IV. Water management practices. 030659
Crop **reduction** in pear trees caused by virus infection. 028174
Root patterns in [grain] *crops* as **related** to water and nutrient uptake. 026963
A computer for *crop* **research** and climate control in glasshouses. 029986
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities *[Crop* **residues].** 030176
Effects of fertilizer, barnyard manure, and *crop* **residues** on irrigated crop yields and soil chemical properties. 030437
Research on [wheat] *crop* **response** to shelterbelts and slat-barriers. 026956
Effect of chilling temperature on the flowering and fruiting stage in the second **rice** *crop.* 026940
Changes in soil fertility under intensive **rice** *cropping* with improved varieties [Fertilizers]. 030527
Water and the **rice** *crop* [Irrigation]. 030798
Care of cabbage and table **root** *crops* [Culture]. 027777
Moisture supply and yield of sugarbeets in various groups of **rotated** *crops.* 027560
Minimum cultivation of soil from the viewpoint of *crop* **rotation** productivity and economics [Sugarbeet culture]. 027547
The effect of the structure of *crop* **rotation** on the composition of humus and nitrogen in soddy-podzolic soil. 027564
Crop **rotation** and herbicides. 028627
Potatoes in *crop* **rotations** of Polesye [Yields]. 027783
The effect of *crop* **rotations** on the properties of Sierozems. 030255
Plant, soil and shadow reflectance components of **row** *crops* [Corn, cotton, sorghum, remote sensing]. 027465
Preliminary studies on the development of young spikes in the **second** *crop* of the double cropping rice. 027388
Genetic variability and scope of improvement in onion **seed** *crop.* 026183
Combine harvesting of **seed** *crops* of flax. 027508
Experiments and results of desiccation of grass **seed** *crops* [Defoliation]. 027539
Trifluralin and atrazine for weed control in lupin **seed** *crops.* 028575
Costs and returns for **selected** *crops* in Closed Basin, San Luis Valley, Colorado, 1974. 021368
Effectiveness of **soil-protective** *crop* rotations for erosion control in the forest-steppe zone of the Ukrainian SSR. 030600
How our main [field] *crops* use **solar** energy. 027058
Special *crops* for Manitoba. 027482
Annual or plurennial [**strawberry**] *crops.* 027738
A universal sprayer based on the system of the Colchis complex agricultural experimental station of the All-Union Research Institute of Tea and **Subtropical** *Crops.* 030129
Successive *crops* in plastic houses with low level of heating. 027631
Weed control trials in **sugarbeet** *crops* with isocarbomide and its combination with lenacyl. Results of 4-year experiments. 028512
Chemical weed control guide; **summer** *crops*—1975. 028579
Large world **tea** *crop* expected in 1974 [Production statistics]. 021516
Problems of profitability of [other production] sectors and *crops* in **tea-growing** collective farms. 021443
Increasing bumper harvest of **three** *crops* [wheat, early rice, late rice] within a year by applying the materialist dialectics. 027387
Light-dependent control [system] of day temperature for early **tomato** *crops.* 027615
Strain changes in populations of tobacco mosaic virus from **tomato** *crops.* 028218
Variability of tobacco mosaic virus in relation to control of tomato mosaic in glasshouse **tomato** *crops* by resistance breeding and cross protection. 028272
Vegetative propagation of tropical **tree** *crops* with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Perspectives in the hormone physiology of **tropical** *crops.* Responses to water stress. 026315
Growing potatoes for **two** *crops* a year [in the Caucasus area] deserves more attention. 027779
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an **upland** *crop.* 028446
1974 evaluation of candidate pesticides. Fungicides: **upland[fruit]** *crops.* 027994
Resistant *[crop]* **varieties** as the basis of integrated methods [of insect pests control]. 028693
Fruit and **vegetable** *crops* costs and returns from farm cost accounts. 37 farms, 1974. 021352
Yield response to soil warming: **vegetable** *crops* [Soil temperature for optimum growth, utilization of energy production waste waters]. 027106
Productivity of **vegetable** *crops* in a region of high solar input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124
Growing **vegetable** *crops* in rockwool and other media [Lettuce, tomatoes, cucumbers]. 027605
Diseases of **vegetable** *crops* in home gardens. 028349
Effective methods of protecting **vegetable** *crops* [in Poland]. 028393
Study on residual life of pesticides on/in **vegetable** *crops.* 029166
World **walnut** *crop* up [Production]. 021647
The role of spatial structure of a light field in the formation of spring **wheat** *crop* [for the reproduction of breeding material]. 026277
Effect of sulphur and phosphorus application on soil characteristics, nutrient uptake and yield of **wheat** *crop.* 026980
Nutrient status of **wheat** *crop* in Ludhiana [Zinc and copperdeficiencies]. 028350
Use of no tillage in *double-cropping* **wheat** with soybeans or grain sorghum. 030603
Effect of nitrogen fertilizers on yield of **winter** *crops* grown in soddy-podzolic loamy soils of the Belorussian Polesye. 030558
Observations on a ten **year** *crop* rotation test of the Changins Research Institute [Agronomy]. 027453
Photorespiration in relation to *crop* **yield.** 027416
Relations between soil moisture content and *crop* **yield** on a Tonschwarzerde soil in the central part of the Thuringian Basin. 030182
Effect of liming peat-bog soils on change in their agrochemical indices and *crop* **yields.** 030557
Effect of rotary soil tillage on agrophysical soil properties and *crop* **yields** [Sugarbeets, wheat]. 030599

CROSS

The relationship of rostral tooth development to age in a group of Aberdeen **Angus** *cross* Friesian steers. 023344
Antigenic *cross* reactions between immunoglobulins of some farm animals and man. 024555
Antigenic *cross-reactions* between immunoglobulins of some farm animals and man. 024556
Studies on the Satsumadori-crossbred-broilers produced by *crossing* with some other **breed.** II. On the dissecting yields. 024049
Studies on the Satsumadori-crossbred-broilers produced by *crossing* with some other **breeds.** I. On the growth of the broilers. 024048
Studies on the Satsumadori-crossbred-broilers produced by *crossing* with some other **breeds.** III. On the chemical composition of muscle. 024050
Crossing **Brown** Swiss cattle from USA to Braunvieh from Wurttemberg. 024281
Use of Ayrshire **cattle** for *cross-breeding.* 024271
Collagen *cross-linking* in [rabbit] corneal scar formation. 023313
Organization of the German swine **commercial** *crossing* program. 024236
Can and should the dairy producers in western France take recourse to *crossing* [of **dairy** cows with beef type bulls]. 024067
A note on Griffing's models for the **diallel** *cross* [Plant breeding]. 026188
Problems with the **exotic** *cross* [Cattle]. 024042
Cross-breeding to **facilitate** the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, pest of pine trees, biological control]. 028951
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and Charolais breeds and their *crossings.* II. **Fattening** and carcass performances in males. 024013
Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea maderae (Dictyoptera, Blattidae) *crossing* of the **gut** wall. 028991
Laboratory *crossings* with different sources of the larch casebearer parasite Chrysocharis laricinellae (Hymenoptera: Eulophidae). 029283
Determination of resin content of fresh pine stumps on the basis of **one** *cross-cut.* 025303
Cross-reactivity **patterns** of IgM and IgG anti-lipopolysaccharide antibodies in individual mice. 024513
Effect of *cross-reinnervation* on **physiological** parameters and on properties of myosin and sarcoplasmic reticulum of fast and slow muscles of the rabbit. 023527
Variability of tobacco mosaic virus in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and *cross* **protection.** 028272
Heterosis and management effects in postweaning growth of Angus, Hereford and **reciprocal** *cross* cattle. 024090
Heterosis and management effects in carcass characters of Angus, Hereford and **reciprocal** *cross* cattle. 024091
Quantitative and qualitative carcass characteristics of straightbred and **reciprocally** *crossed* Angus, Charolais and Hereford steers. 022669
First results of *cross-breeding* **Red** Holstein and Simmental catle. 024234
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from *crossing* **[rho+]** to a neutral petite [Yeasts]. 026125
Creep feeding and subsequent maternal ability of **Simmental** *cross* calves. 023628
Implications of longer-time inbreeding and the possibilities of their elimination through *SIB-crossing* in **sunflower** (Helianthus annuus L.). 026244
Cross-linking of **troponin** with dimethylimido esters [Rabbits]. 023296
Feedlot performance and carcass evaluation of various **two-breed** *cross* steers fed at weaning age and as yearlings. 023906
Unilateral *cross* protection among some NEPO viruses [Tobacco, Petunia hybrida]. 028206
The mechanism controlling the *crossing* of the **vector's** stomach wall by microfilariae (Dipetalonema desae-Aedes aegypti). 029278

CROSSBREEDS

Problems of linebreeding and *crossbreeding* **beef** cattle. 024028
Effectiveness of selection for growth rate in Zebu X **British** *crossbred* cattle. II. Post-weaning growth and genetic estimates. 024032
Study on the freezability of spermatozoa [semen] in three genetic groups of *crossbred* **bulls.** 024074
Possibilities for *crossbreeding* in **dual** purpose cattle. 024287
Possibilities for *crossbreeding* in **dual** purpose catle: Brown Swiss X Braunvieh in Bavaria. An interim report. 024288
Possibilities for *crossbreeding* in **dual** purpose cattle: Holstein Friesian X Black Pied. 024289
Meat efficiency of the F11 **generation** *crossbred* of the Slovak Spotted cattle with the Black Pied Lowland cattle. 022713
Comparison of the growth and carcass composition of purebred Angus and *crossbred* **Hereford-Angus** and Friesian-Angus steers [Beef cattle]. 022695
Crossbreeding, **interbreeding** and establishing a new breed of sheep. 024179
The status of loci of ossification and epiphyseal plates in the limb bones of **neonatal** *crossbred* (Banuur X Nali) sheep. 023433
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breeds. I. On the growth of the broilers. 024048
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breed. II. On the dissecting yields. 024049
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breeds. III. On the chemical composition of muscle. 024050
Organization of the ABC program as a fully integrated [swine] *crossbreeding* **program.** 024237
Crossbreeding **"Red** Holstein Friesian X German Simmental" cattle. Preliminary results from Bavaria. 024280
The milk production of native and *crossbred* **sheep** under semi-arid conditions. 023445
Estimation of body weight in pure and *crossbred* **Sinhala** cattle using body measurements. 023367
A comparative study of [sheep] body form, live and fleece weights of the Kivircik and different **Texel** *crossbreds* at Inanli Animal Breeding Research Station. 024110

CROTALARIA

Genus *Crotalaria.* XIX. Preparation of local anaesthetic agents [Heliotropium]. 026608

CROWNS

Crown-gall [**Agrobacterium** tumefaciens] on castor bean leaves. V. Effect of light and chlorophyll content on tumour initiation. 028130
Crown release accelerates diameter growth and *crown* **development** of yellow birch [Betula alleghaniensis] saplings. 025260
Interrelationship between heights of young conifers and indices of needle **development** in their *crowns.* 027329
Within-crown **distribution** of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938
Promotion of DNA renaturation by a non-DNA factor in [tobacco] *crown* **gall** tumor DNA preparations [Agrobacterium tumefaciens]. 028134
Some problems of the agrarian system in *crown* **lands** of Castile in the 18th century. 021071
Physiologic races of **oat** *crown* [Puccinia coronata avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. 027938
Crown **release** accelerates diameter growth and crown development of yellow birch [Betula alleghaniensis] saplings. 025260
Fungistatic action of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke *[Crown* and **root** rot of cereals]. 028011
Development of the stem and *crown* **rust** fungi on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae *[Crown* **rust** fungus, oats, wheat, Puccinia graminis tritici]. 028052

CROWS

Controversy flares over Canada's **grain** *"Crow* Rate". 021527

CRUCIFERAE

1-Cyanoepithioalkanes: major products of alkenylglucosinolate hydrolysis in **certain** *Cruciferae.* 026775

Ecogeographic races of Lesquerella **engelmannii** *(Cruciferae):* distribution, chromosome numbers, and taxonomy. 025633
Stereospecific analysis of some *Cruciferae* **species.** 026664

CRUSHERS
VDR-5 *crusher* [Fruit processing equipment]. 023001

CRUSHING
Crushing of **cereals** in impact mills. 022733
Value of *crushed* **coral** as a source of calcium in layer rations [Chickens]. 023879
Investigation of the process of corn harvesting with *crushing* and its **preserving.** 030099
Tight *crushing* and air sifting of wheat flour. 022804

CRUSTACEA
Glycopeptides from chitin **[Insects** and *crustaceans].* 029296
Osmotic interrelationship between blood and gut fluid in the isopod Porcellio scaber **Latr.** *(Crustacea).* 029312

CRUSTS
Orientation of clay particles as it relates to *crusting* of **soil.** 030342

CRYOGENIC
The use of carbon dioxide as a *cryogenic* **gas** [Food freezing]. 022469

CRYOSCOPY
Cryoscopy of **milk.** I. Establishment of freezing point of milk received in dairy plants [Adulteration]. 021833

CRYPTOGNATHIDAE
Observations on some soil Actinedida (= Prostigmata) from North America. III. Description of two new species of Cryptognathus (Acari, **Raphignathoidea,** *Cryptognathidae).* 029526

CRYPTOGNATHUS
Observations on some soil Actinedida (= Prostigmata) from North America. III. Description of two new species of *Cryptognathus* **(Acari,** Raphignathoidea, Cryptognathidae). 029526

CRYPTOMERIA
Studies on the weed [Sasa paniculata]-vegetation at the early stage of reforestation. I. Vegetable transition on *Cryptomeria* **japonica** forests planted in every year. 025203
Annual changes in heritability values of young sugi *[Cryptomeria]* **seedlings.** 025202

CRYPTOPHAGIDAE
The Himalayan species of Henoticus Thompson (Coleoptera: *Cryptophagidae)* **[New** taxa]. 029695

CRYPTORCHIDISM
Suprapubic paramedian laparotomy for equine **abdominal** *cryptorchidism.* 024916
Experiences with a diagnostic test for **equine** *cryptorchidism.* 024835

CRYPTORHYNCHUS
Results of investigations of the resistance of poplar varieties to the **borer** *Cryptorrhynchus* lapathi., Curculionidae, Coleoptera. 028957

CRYPTOSTIGMATA
Seasonal and vertical distribution of a population of soil **arthropods:** *Cryptostigmata.* 030274
Some properties of the aggregations of soil **arthropods:** *Cryptostigmata.* 030275
Three galumnids (Acari, *Cryptostigmata)* from **West** Bengal, India [Galumna crenata, Galumna parascaber, Galumna flabellifera orientalis, new taxa]. 029541

CRYPTOTHALLUS
The fourth Swedish locality of *Cryptothallus* **mirabilis** [Musci]. 025828

CRYSTALLIZATION
The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. I. *Crystallization,* **data** colection and application of Patterson search techniques. 023534
The increase of the effectiveness of **directional** *crystallization* of gypsum [from wood hydrolisis]. 025345
Crystallization **kinetics** of alpha lactose. 022594
Lactose *crystallization:* investigation of some process alternatives. 022595
Influence of *crystallization* of **lactose** in serum concentrate on hygroscopicity and agglomeration of [whey] serum powder. 022628
Purification, *crystallization,* and **properties** of an endo beta-1,3-glucanase from Rhizopus chinensis R-69 [Fungi]. 026345
Analysis of the rheological measuring methods for the regulation of the **sugar** *crystallization* process. 022858
Crystallization of **water,** a review [Food freezing]. 022447

CRYSTALLOGRAPHY
The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. *Crystallographic* **refinement,** calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535

CRYSTALS
On the formation of the pattern of *crystal* **idioblasts** in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of calcium nutrition. 027063
Intracellular *crystals* in Apis mellifera (Hymenoptera, Apoidea). 029780
The *crystal* and **molecular** structure and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different spectral forms of chlorophyll a [Ailanthus altissima]. 026620
The *crystal* and **molecular** structure of ethyl chlorophyllide b dihydrate at -153 degrees [Ailanthus altissima]. 026621
The **refined** *crystal* structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. 023534
The **refined** *crystal* structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
Crystal **structure** of pachyman triacetate. A preliminary report [Tree root fungus Poria cocos]. 026418
Fluidation of *crystal* **sugar.** VIII. Loosening rate. 022851
X-ray *crystal* structure analysis of papyriogenin A [Tetrapanax papyferum]. 026464

CTENICERA
The orientation response of *Ctenicera* **destructor** and other wireworms (Coleoptera: Elateridae) to germinating grain and to carbon dioxide. 029290

CUBES
Dietary value of *cubes* in **equine** nutrition [Horses]. 023775

CUCUMBERS
Cytochemical demonstration of malate synthase and Glycolate oxidase in microbodies of *cucumber* **cotyledons.** 027265
Possible methods for determination of expression of sex in *cucumbers* **(Cucumis** sativus L.) during the seed stage. 026145
Joint mushroom and *cucumber* **culture** in plastic shelters. 029939
Chemical control of Pseudomonas lachrymans bacterial **disease** of *cucumbers.* 028125
Influence of temperature regime on virus **diseases** in *cucumber.* 028183
Protection of *cucumbers* in **greenhouse** conditions [Disease and pest control. 028478
Nutrition of **greenhouse** *cucumbers* on peat substrates [Mineral fertilizers]. 030489
Soil treatments for control of rootknot nematode (Meloidogyne incognita) in greenhouse **grown** *cucumber.* 028366
Photosynthetic reduction of nitrite gas injury to vegetables *[Cucumbers,* **kidney** beans]. 028316
Peat substrate as a growing **medium** for *cucumbers.* 027622
Studies on the *cucumber* **mosaic** virus in tobacco. 028220
Serological identification of *cucumber* **mosaic** virus by means of simplified precipitation tests (Short communication). 028221
Virus concentrations and chlorophyll levels in celery plants affected by *cucumber* **mosaic** virus and alfalfa mosaic virus, after treatment with gibberellin. 028235
The entry and spreading of *cucumber* **mosaic** virus [Cowpeas]. 028245
Occurrence an incidence of *cucumber* **mosaic** virus and alfalfa mosaic virus on celery in Israel. 028265
Systemic infestation by *cucumber* **mosaic** virus on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
A scanning electron microscope study of *cucumber* **nectaries,** Cucumis sativus. 029391
Parthenocarpy in *cucumbers.* 027175
Effect of strong shock waves on dicotyledon seeds [Turnip, Anethum graveolens, *cucumber,* **radishes].** 027166
CO2 [carbon dioxide] nutrition of **spring** *cucumbers* in the Netherlands [Leaf injury]. 028299
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, *cucumber,* **sugar-maize** and onions. 023003
Methods for forcing culture and flower **thinning** of *cucumbers.* 027659
Growing vegetable crops in rockwool and other media [Lettuce, **tomatoes,** *cucumbers].* 027605
Association of pink albino seedlings with a radiation-induced **translocation** of *cucumber.* 026118
The effect of non-root fertilizer supplements on the physiological indices and *cucumber* **yield** in hydroponic greenhouses [Soiless culture]. 027301
Influence of micronutrients on *cucumber* **yields.** 030488

CUCUMIS
Possible methods for determination of expression of sex in **cucumbers** *(Cucumis* sativus L.) during the seed stage. 026145
Changes in respiration rate and some organic substances contents during fruit development of *Cucumis* **melo** L. cv. Shinhoro [Muskmelons]. 027297
Effects of CO2 [carbon dioxide] nutrition on growth and yield of **muskmelon** *(Cucumis* melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
A scanning electron microscope study of cucumber nectaries, *Cucumis* **sativus.** 029391

CUCURBITA
Filament formation in vitro of a sieve tube protein from *Cucurbita* **maxima** and Cucurbita pepo [Winter squash, pumpkins]. 027276

CUCURBITACEAE
Ultrastructure of the endosperm of Echinocystis **lobata** *(Cucurbitaceae)* at the cellular stage. 025929
Pyrazole in Citrullus vulgaris **[watermelon]** *(Cucurbitaceae).* 027249

CULEX
Effect of vertebrate size and density on host-selection by **caged** *Culex* nigripalpus. 029038
Blood-feeding activity of partially **engorged** *Culex* nigripalpus (Diptera: Culicidae). 029326
Salivary glands of **female** *Culex* pipiens: morphological changes associated with maturation and blood-feeding. 029004
Relationship between blood meal volume and ovarian development in *Culex* **nigripalpus** (Diptera: Culicidae). 029008
Laboratory and small plot field tests of Altosid and Dimilin for the control of Aedes taeniorhynchus and *Culex* **nigripalpus** larvae. 029047
Laboratory non-thermal aerosol tests of insecticides for the control of adult mosquitoes [Aedes taeniorhynchus, *Culex* **nigripalpus].** 029049

CULICIDAE
Relationship between blood meal volume and ovarian development in Culex nigripalpus **(Diptera:** *Culicidae).* 029008
Blood-feeding activity of partially engorged Culex nigripalpus **(Diptera:** *Culicidae).* 029326
Structure and formation of egg membranes in Aedes aegypti. (L.) **(Diptera:** *Culicidae).* 029388
A new species of Topomyia [vijayae] from Peninsular Malaysia **(Diptera:** *Culicidae).* 029633
Geographical distribution of Culicinae in Brazil. III. State of Para **(Diptera,** *Culicidae).* 029636
Mosquitoes of the Ryukyu Archipelago **(Diptera:** *Culicidae).* 029638

CULICOIDES
Nonoccluded viruslike particles in larvae of *Culicoides* **cavaticus** (Diptera: Ceratopogonidae). 029030

CULTIVARS
Algonquin **alfalfa** *[cultivar].* 027378
Symptoms of star crack virus on the fruit and shoot growth of **apple** *cultivars.* 028200
Kinkora: a jointworm-resistant **barley** *[cultivar].* 027382
Perth **barley** *[cultivars].* 027383
Effects of early and late infectious of BYDV (barley yellow dwarf virus) on *cultivars* of **barley** (Hordeum vulgare) with and without the Yd2 gene. 028230
Response of two soya **bean** *cultivars* to manganese toxicity as affected by pH [hydrogen-ion concentration] and calcium levels. 028333
Trials on 11 highbush **blueberry** *cultivars* in Piedmont, Italy. 027711
Augusta lowbush **blueberry** *[cultivar].* 027722
In reply to Mr. Welch, or the status and relationship of *cultivar* and **botanical** categories of infraspecific rank [Nomenclature]. 025834
Double-flowered ornamental [Malus] crab apples: Cameron, Maybride and Prince **Charming** *[cultivars].* 027723
Cellulase activity, endogenous abscisic acid, and ethylene in four **citrus** *cultivars* during maturation. 027263
The **clover** *cultivar* "Achziv". 027413
Banff Kentucky bluegrass **[dwarf** *cultivar* of Poa pratensis]. 027381
Angus alfalfa **[Early** *cultivar].* 027379
On the presence of the gene Sr 5 in some **European** *cultivars* [Wheat, stem rust resistance, Puccinia graminis tritici]. 027937
A comparison of the protein nutritive value and composition of four *cultivars* of **faba** beans (Vicia faba L.) grown and harvested under controlled conditions. 022145
In vitro culture of some **hybrid** *cultivars* of Weigela (Thun) from meristems. 027150
The effect of decortication of seed on germination and the number of nucellar seedlings of some **mango** *cultivars* in Ghana. 027083
New *cultivar* of silage corn, "Hokuyu" [Varieties]. 027493
Aspects of the agronomic technique of the commercial tomato: investigations on a **new** *cultivar* adapted to mechanical harvesting. 027844
The use and abuse of new **pasture** *cultivars:* with special reference to 'Grasslands Matua' prairie grass. 027399
The effects of irrigation frequency and *cultivars* on **premature** cracking and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. 030632
Attempt at hastening the ripening of the berries of two **redpepper** *cultivars* by using 2-chloroethylphosphonic acid [Growth substances]. 027117
Response of **soybean** *cultivars* to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and Sclerotium rolfsii [Nematodes]. 028419
Differential intraspecific responses of **soybean** *cultivars* to bentazon [Herbicides]. 028614
Effects of plant spacing on performance of the **strawberry** *cultivar* Bounty. 027724
Vernalization as a factor influencing the rate of development in subterranean clover (Trifolium **subterraneum** L.) *[Cultivars].* 026898

Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] *cultivar* **susceptibility** to Sclerotinia [homoeocarpa] dollar spot. 028069
The genic basis for differences in sedimentation value and protein content between **two** *cultivars* of Triticum aestivum [Wheat]. 026126
Predicting bulb size and maturity in Lilium longiflorum Thunb. *cultivars* **[Varieties].** 027080
Vegetable *cultivars* and planting guide for Wisconsin gardens 1976. 027585
Genetic control of durable resistance to yellow rust (Puccinia striiformis) in the **wheat** *cultivar* Hybride de Bersee. 027897
Influence of sowing dates, soil amendments, and *cultivars* on **wheat** spindle streak mosaic in winter wheat. 028231
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and *cultivars* after 12 **years** of rotation at the poplar experimental plantation of Veliko Polje. 025251
The effects of plant population, irrigation frequency and *cultivars* on **yield** and canning qualities of tomato fruits grown under hot tropical conditions. 027640

CULTIVATORS

Silvicultural evaluation of the operation of the **KBL-1** *cultivator.* 030085
Is the semi-liquid **manure** *cultivator* forcing us to protect the environment. 030030
Rotary *cultivator* for working with straw. 030035

CUNNINGHAMELLA

Biosynthesis of chitin by particulate fractions from *Cunninghamella* **elegans** [Fungi]. 026671

CUPRESSUS

Results of marketing Louisiana-grown Christmas trees [Pinus, Juniperus virginiana, *Cupressus* **arizonica].** 025460
Volatile constituents of *Cupressus* **stephensonii** heartwood. 025473

CURATIVES

Main agents of biological alterations of building timber. Preventive and *curative* **treatments.** 025276

CURCULIO

Mycoflora of pecans treated with heat, low temperatures, or methyl bromide for control of the pecan weevil *[Curculio* **caryae].** 028057
The use of polyvinyl acetate as a barrier to the pecan weevil larvae *[Curculio* **caryae,** control]. 028885
Clover **root** *curculio* [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, yield, and root damage. 028749

CURCULIONIDAE

Results of investigations of the resistance of poplar varieties to the borer Cryptorrhynchus lapathi., *Curculionidae,* **Coleoptera.** 028957
Population and mortality assessment during the cocoon stage of the alfalfa weevil, Hypera postica **(Coleoptera:** *Curculionidae).* 029286
A new species of Amorphoidea [coimbatorensis] *(Curculionidae,* **Coleoptera)** infesting coconut inflorescence. 029557
Studies on the population of Sitona (Coleoptera, *Curculionidae)* in **Egypt** with special reference to the effect of certain climatic factors on the population fluctuations of Sitona lividipes Fhs. 028688
Bionomics of Sibinia sulcatula (Coleoptera: *Curculionidae)* on **mesquite** [Prosopis glandulosa] in Texas. 028793

CURING

There is a *cure* to **control** odors [Swine houses]. 030847
Gladiolus **corm** *curing* and storage environments in relation to flower production. 027603
Solar energy reduces costs of drying and *curing* **crops.** 029977
The development of the multiple disease resistant **flue** *cured* tobacco variety, F 209 [Breeding]. 026102
Effect of muscle type on residual nitrite in *cured* **meat** [Swine]. 022678
Contribution of nitrite and nitrate to the colour and flavour of *cured* **meats.** 022685
Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of **mild** *flue-cured* variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
Volatile amine production in *uncured* **pork** during storage. 022690
Breeding of broad leaf type varieties (F 207, F 208) in *flue-cured* **tobacco.** 026100
Diseases of *flue-cured* **tobacco** in Ontario and estimates of disease losses, 1972-73. 028348

CURRANTS

The phenolics of fruits. VI. The phenolics of currants, gooseberries and blueberries. Changes in phenolic acids and catechins during development of **black** *currants.* 023004
Leaf spot of **black** *currants* [Virus diseases, vectors]. 028287
The phenolics of fruits. VI. The phenolics of *currants,* **gooseberries** and blueberries. Changes in phenolic acids and catechins during development of black currants. 023004
Diseases of *currants* and **gooseberries.** 028463
Determination of D-isocitric-acid in *currant* **products.** 023002
On the adaptation of skidder tractors to carrying out of *currant* **repairs.** 025402

CURRICULUM

Consumer knowledge inventory: its impact on *curriculum* **development** in Montana schools. 021962

CURVULA

Shoot morphology and taxonomic position of **Carex** *curvula* All. 025750

CUSCUTA

Dodder *[Cuscuta]*—**increasing** in Connecticut [Horticultural plants, weed control]. 028508

CUSTOMERS

Where do *customers* **feel** they get reliable plant care information? 027702
Is the A.I. [Artificial insemination] industry **meeting** *customer* needs? 024166
Turn on color and *customers* with **olives.** 022313

CUSTOMS

1976 field crops herbicide manual for dealers and *custom* **applicators.** 028483
Custom **farm** services in the United States: status and potentials [Statistics]. 021665
Farmers' expenditures for *custom* **pesticide** services, 1971. 021361
Tips on *custom* **processed** beef [Grading]. 021849

CUTANEOUS

Intracutaneous **test** for determining swine brucellosis, a contribution for slaughter animal study in original stocks. 024727

CUTICULAR

The *cuticles* of **Citrus** species. Composition of the intracuticular lipids of leaves and fruits. 027208
Cuticular and **cortical** modifications of keratinic fibers from reaction with methylamine. 022661
Cuticular **encystment:** a unique and effective defense reaction by cabbage looper larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Appressoria formation by Aspergillus parasiticus on bagworm[Thyridopteryx **ephemeraeformis]** *cuticle.* 029213
Ultrastructural alterations observed in isolated apple **leaf** *cuticles.* 025990
Ultrastructure of the *cuticular* **membranes** of the developing wheat grain. 025993
Moulting hormone and *cuticle* **synthesis** by epidermal cells of in vitro cultured cockroach embryos [Blabera cranifer]. 029271

CUTINS

Alkanetriols in **psilotophyte** *cutins* [Psilotum nudum, Tmesipteris vieillardii]. 026719
Evidence for covalently attached p-coumaric acid and ferulic acid in *cutins* **and suberins** [of fruit and vegetables]. 027271

CUTTERS

Alfalfa flower color associated with differential seed set by *leaf-cutter* **bees [Megachile pacifica,** insect pollinators, selective visitation]. 026887
Observing **carbide-tipped** *cutters* through the scanning electron microscope. 025375
Reducing grain loss on the *cutter* of the E512 **combine** harvester. 030011
Possibilities of a further increase of the service life of knives of the rotary **grass** *cutter* RZS-160. 030004

CUTTINGS

Activity of faecal fluid of a *leaf-cutting* **ant** [Atta colombica tonsipes] toward plant cell wall polysaccharides. 029404
Economic aspects of cultivation and sale of *cut* **Anthurium** [andreanum, costs]. 021431
Economic maturity and ages of *cutting* **areas.** 025114
Advanced harvest and preservation of *cut* **chrysanthemums.** 022977
The effect of GA3 [gibberellic acid], Alar and CCC [2chloroethyl trimethylammonium chloride] on **citrus** *cuttings.* 027084
Some problems of propagating the Anaseuli-1 tea **clone** by *cuttings.* 027862
Cutting and **cropping** in artificial media [Horticultural plants, potting soil substitutes]. 027596
It could be cheaper to buy poinsettia [Euphorbia pulcherrima] *cuttings.* III. 021513
Effectiveness of pyroxychlor, ethazol and diazoben used as *cutting* **dips** to control Pythium [ultimum] root rot [of Chrysanthemum morifolium]. 027914
Propagation of Scots pine [Pinus sylvestris] by *cuttings* [with an **extract** from Populus tremula and Populus tremuloides]. 025238
Studies on the regrowth of orchardgrass [Dactylis] under different season, *cutting* **and fertilization.** 027376
Breeding Narcissus for *cut* **flower** production [Varieties]. 026071
'Onit'—to lengthen the life of *cut* **flowers** in the home. 022902
Streamflow response to **forest** *cutting* and revegetation [Forested watersheds]. 025070
Effect of quality grade and *cut* **formulation** on the palatability of ground beef patties. 022679
Study on assessment of the quality of roughage. 2. Comparative value of orchardgrass hay and silage influenced by harvesting time and *cutting* **frequency.** 023066
Dynamics of natural forest regeneration relative to shelterwood and **group-selective** *cutting.* 025199
Improvement *cutting* and how to increase its profitability. 025134
Improvement *cutting* in forest shelterbelts. 025154
Should grapevine shoots be *cut* off after **injury** from herbicides? 028535
Effects of exogenous supply of glucose or cycloheximide on nitrogen metabolism of *cut* **Iris** germanica L. flowers. 027226
The influence of IBA (b-indolyl-butyric acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by **leaf-bud** *cuttings.* 026321
Force versus width of *cut* for **moldboard** [plow] bottoms. 029979
Multiple *cutting* of sown grasslands in the central Urals [Hay yields, composition, costs]. 027581
Determination of resin content of fresh pine stumps on the basis of **one** *cross-cut.* 025303
Cuttings from the **phyllomorph** of Streptocarpus wendlandii Sprenger [Growth]. 027069
Mist propagation [of **plant** *cuttings,* greenhouse construction]. 030111
Influence of aluminum ions on drying of *cut* **plants.** 026692
The use of fertilized and unfertilized peats of different origin for **rooting** *cuttings* [of ornamental trees and shrubs]. 027647
Rate of **selective** *cutting* in Far Eastern pine forests [USSR]. 025137
Hybridization of the potato using **shooty** *cuttings.* 026209
Can the **short** *cut* loading truck replace the field chopper? 030024
Experimental investigation of fiber movement in the displacement section of a **staple** *cutting* machine. 022771
Carbohydrate relations of pecan [Carya illinoensis (Wang.) K. Koch) **stem** *cuttings.* 027107
Forest regeneration in the Kama River region in relation to *cutting* **systems.** 025117
The effect of the condition of the buds on the *cuttings* of **tea** plants on the establishment and biology of growth. 026836
Methods of working up the volume of wood in **thinning** *cuttings* in poplar stands. 025519
Marketing problems force *cut* in **world** tomato harvests. 021544

CUTWORMS

The western **bean** *cutworm* [Loxagrotis albicosta] on beans and[sweet] corn. 028830
Clover *cutworm* [Scotogramma trifolii] on cotton. 028760

CYAMOPSIS

Asynapsis in cluster **bean** *(Cyamopsis* tetragonoloba (L.) Taub.). 026300
Food value of some **guar** *(Cyamopsis* psoralioides) varieties. 022105

CYANIDES

Biological treatment with a two stage activated sludge process of wastewater **containing** *cyanide.* 030926

CYANIDINS

Biosynthesis of *cyanidin* in **cell** cultures of Haplopappus gracilis. 026726
Kinetics of the thermal degradation of the anthocyanins pelargonidin-3-glucoside and *cyanidin-3-glucoside* **[Food** research]. 022522

CYANOGEN

Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of peptides split by *cyanogen* **bromide.** 023311
Antigenic structure of the *cyanogen* **bromide** peptide F-CB3 from [bovine] fibrinogen alpha-chain. 023391
Isolation and characterization of *Cyanogen* **bromide** fragments and a glycopeptide from the Dolichos biflorus lectin. 026403
Glucosidases specific for the *cyanogenic* **glucoside** triglochinin. Purification and characterization of beta-glucosidases from Alocasia macrorrhiza Schott. 026566

CYATHEA

Tree fern indusia: studies of development and diversity *[Cyathea* **fulva].** 025989

CYBERNETICS

Cybernetic **principles** of investigating problems of control of the movement of regional groundwater flows. 030757

CYCLOATE

Cycloate and **phenmedipham** as complementary treatments in sugarbeets [Herbicides]. 028612

CYCLODIENE

Cyclodiene **insecticides** [Residues]. 029119

CYCLOHEXIMIDE

Effects of exogenous supply of glucose or *cycloheximide* on **nitrogen** metabolism of cut **Iris** germanica L. flowers. 027226

CYCLOPEPTIDES

Alkaloids from Rhamnaceae. XXVI. Nummularine -D, -E and -F, **new** *cyclopeptide* **alkaloids** from Zizyphus nummularia. 026839

CYCLOPHOSPHAMIDE

The vulnerability of early postnatal differentiation processes o the retina and the teratogenic effect of *cyclophosphamide* **(Endoxan).** 024938

Effect of *cyclophosphamide* on **rabies** infection in mice. Protection given by serotherapy. 024494

CYCLOPIA

Cyclopia or **cebo-cephalus** monstrosity in goat (Capra hircusL.). 024848

CYCOCEL

Cycocel **plant** growth regulant: Fate of carbon-14 chlorocholine chloride in sugarcane grown in Hawaii. 026974

CYDONIA

Cydonia C 7-1 and **Pyronia** veitchii, two complementary indicators [Pears, apples, viruses]. 028175

CYLINDER

Problems of wear of the working **group** *piston-cylinder* in the engines Z-5501 and Z-V4001. 029999

CYLINDROCLADIUM

A new needle disease of Pinus sp. In Brazil caused by *Cylindrocladium* **pteridis.** 027911

CYMBIDIUM

Cymbidium **macrorhizon** Lindl. And its habitat. 025591

CYMBOPOGON

Hardboards from spent rosha **grass** *Cymbopogon* martini var motia. 025385

CYMENE

The effect of accompanying admixtures on the oxidation rate of *n-cymene* from **wood** chemical processing. 025341

CYNARA

Interaction of genotype with environment for some metrical characters of cardoon *[Cynara* **cardunculus** var. altilis]. 026081

CYNODON

Effects of herbicide treatments on the establishment of 'Tifway' **bermudagrass** *[Cynodon].* 028617

Yield and composition of midland bermudagrass *[Cynodon* **dactylon]** selected by beef cows and calves. 027424

What is happening to our bermudagrass *[Cynodon* **dactylon].** 2. A new concern with the hybrids [Turf diseases]. 028452

Tetrapion: evaluation for the control of rhizomatous grasses [Pennisetum clandestinum, Agropyron repens, *Cynodon* **dactylon,** Agrostis tenuis] and toetoe [Cortaderia fulvida]. 028571

CYNTHIA

Ecological adjustment of hormone controlled processes in **Philosamia** *cynthia* Dru. 029501

Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and **Samia** *cynthia.* 029373

CYPERACEAE

Determination of the diet of phytaphagous animals based on the analysis of the siliceous phytoliths of Gramineae and *Cyperaceae.* **Application** to food selection by Orthoptera, Acridiida. 029263

Interpretative floral morphology of the *Cyperaceae* on the **basis** of the anthoid concept. 025931

Determination of the diet of phytophagous animals, based on the analysis of the siliceous phytoliths of Gramineae and *Cyperaceae.* **Description** of silica bodies based on scanning. 025883

CYPERUS

Biology of *Cyperus* **kalli** (Forssk.) Murb. 026944

Cytokinin effects induced in purple nutsedge *[Cyperus* **rotundus]** by perfluidone [Herbicides, control]. 028613

CYPRESS

Investigations on productivity of **Japanese** *cypress* (Chamaecyparis obtusa) stands. I. Biomass and growth of 28 years-old stands in sorayama. 025166

CYSTEINE

Effect of pyridoxal phosphate and *cysteine* on **delta-aminolaevulinate** synthetase and dehydratase in soya. 027007

The use of **synthetic** *(plus/minus)-S-1-propyl-L-cysteine* sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of onion (Allium cepa L.). 022953

CYSTINE

Study of Salmonella in frozen meat (estimation of the presumptive test on *lysine-iron-cystine-neutral* **red).** 021843

Action of alkalis on keratinic fibers in relation to morphological structure. 1. Action of alkalis on the disulfide bridge of *cystine* in **relation** to morphological structure [Wool]. 022660

CYSTS

Germination of *cysts* in **Acetabularia** mediterranea [Algae]. 026819

Invasion and development of the **cereal** *cyst-nematode* Heterodera avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. 027898

Variations of the lipid composition during the formation of *cysts* in the **green** alga Protosiphon botryoides. 026774

Penetration of host IgG [Immunoglobulin G] molecles into **hydatid** *cysts* [Mice, gerbils]. 024790

Occurrence of plant-parasitic gall and *cystic* **nematodes** of Cactaceae. 028376

Contribution to the treatment of **ovarian** *cysts* in cattle with chorionogonadotropin suspended in oily progesterone. 024228

Clinical response of diary cows with **ovarian** *cysts* to GnRH [gonadotropin-releasing hormone]. 024857

Hormonal responses of dairy cows with **ovarian** *cysts* to GnRH [gonadotropin-releasing hormone]. 024858

Macro- and microscopic examinations on the effect of a synthetic gonadotrophin releasing hormone (GnRH) in cattle with *cystic* **ovaries.** 024274

Control of **potato** *cyst-nematodes,* Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and organophosphate nematicides. 028327

Distribution of species of **potato** *cyst* nematodes [Heterodera rostochiensis] in South America. 028401

Effects of **potato** *cyst* nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. 028402

Effects of **potato** *cyst* nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two susceptible varieties. 028403

Studies on the influence of soil moisture conditions on **soybean** *cyst* nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430

CYTISUS

A screening technique for evaluation of brushweed [Ulex europaeus, *Cytisus* **scoparius,** Lupinus arboreus] herbicides. 028545

CYTOCHALASIN

Selective inhibition of the facilitated mode of sugar uptake by *cytochalasin* B in **cultured** chick fibroblasts. 023401

CYTOCHEMISTRY

Fine structural and *cytochemical* **analysis** of phragmosomes (microbodies) during cytokinesis in Allium [sativum] root tipcells [Onions]. 026058

Cytochemical **aspects** of specificity in plant pathogen interactions. 027968

Microsporidia in Simulium larvae: systematics; ecological, pathological and *cytochemical* **data.** 028992

Cytochemical **demonstration** of malate synthase and Glycolate oxidase in microbodies of cucumber cotyledons. 027265

Cytochemistry of the **differentiating** flight muscles of the desert locust Schistocerca gregaria. 029366

Ultrastructural and **electron** *cytochemical* studies of Entomophthora coronara [Fungi]. 025943

Additional data on morphological and *cytochemical* **features** of the Golgi apparatus in vegetative cells of the chlorophycean alga Ulva lactuca L. (Ulvales). 025966

Cytological, *cytochemical* and **histoautoradiographic** study of viscum album L. (Loranthaceae). I. The seed, its germination and means of fixation on the host. 026066

Morphology, development, and *cytochemistry* of the **hyphae** and sclerotia of species in the Rhizoctonia complex [Fungi]. 025982

Cytochemical **investigations** of the megasporocyte and embryo sac in Lilium regale at various stages of development. 027094

Cytochemical **localization** of catalase activity in methanol-grown Hansenula polymorpha [Yeasts]. 026377

Cytochemical **studies** of the secretion of accessory glands and seminal vesicles of the honeybee Apis cerana indica. 029811

Observations with *cytochemistry* and **ultracryotomy** on the fine structure of the expanding walls in actively elongating plant cells [Mung beans, pea, celery]. 026024

CYTOCHROMES

Ascorbic **acid** and *cytochromes.* 022019

Isolation and characterization of dinoflagellate and **chrysophyte** *cytochrome-f* (553-4) [Algae]. 026743

Stabilization of the globular structure of ferricytochrome c by chloride in acidic solvents [Horse **heart** *cytochrome].* 023303

CYP3 a likely candidate for the structural gene of **iso-2** *cytochrome* C in Saccharomyces cerevisiae [Yeasts]. 026089

Arrangement of the subunits in solubilized and **membrane-bound** *cytochrome* c oxidase from bovine heart. 023477

Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of *cytochrome* c from **Neurospora** crassa grown with (S-Me13C [carbon isotope])methionine. 026398

Loss of *cytochrome* **oxidase** in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial protein synthesis by erythromycin and chloramphenicol. 026647

Regulation of mitochondrial biogenesis: enzymatic changes in *cytochrome-deficient* **yeast** [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198

CYTODIFFERENTIATION

Growth and differentiation of the water mold Blastocladiella emersonii: *cytodifferentiation* and the **role** of Ribonucleic acid and protein synthesis [Fungi]. 026390

CYTOGENETIC

Cytogenetic **characteristics** of tissue cultures from legume plants [Lathyrus odoratus, broadbeans, peas]. 026140

Cytogenetic **demonstration** of mitotic chromosomes in the yeast Saccharomyces cerevisiae. 026214

CYTOKINESIS

Fine structural and cytochemical analysis of phragmosomes (microbodies) during *cytokinesis* in **Allium** [sativum] root tipcells [Onions]. 026058

CYTOKININS

Mechanical inhibition of hypocotyl elongation induces radial enlargement [in soybean seedlings]; implications for *cytokinin* **action.** 027024

Isolation and purification of *cytokinin* **binding** protein from tobacco leaves by affinity column chromatography. 026903

Cytokinin **effects** induced in purple nutsedge [Cyperus rotundus] by perfluidone [Herbicides, control]. 028613

In vitro synthesis of *cytokinins* in **isolated** roots of lupine (Lupinus albus L.) treated with leaf extracts. 026918

Induction of keikis [lateral shoots] on Ascocendas [a monopodial **orchid]** by *cytokinin.* 027109

Estimation of ethylene produced by pea (Pisum sativum L.) plants inhibited with auxin and **treated** with *cytokinin.* 027126

CYTOLOGY

Cytology of **carnation** streak virus infection [isolated from Silene armeria]. 028225

Cytological, **cytochemical** and histoautoradiographic study of viscum album L. (Loranthaceae). I. The seed, its germination and means of fixation on the host. 026066

Morphological and *cytological* **differences** within the species Lupinus luteus L. [Yellow lupine]. 025577

Cytological **effects** of fungicides, plantvax and vitavax on somatic cells of Allium cepa [Onions]. 027945

Cytology of **exceptional** development of the male gametophyte in Ophiorrhiza mungos. 025977

Studies of *cytology* and **growth** of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development [Forest trees]. 027952

Cytological **observations** on the material of Boergesenia forbesii (Harv.) Feldmann from the south and west coast of India [Algae]. 026009

Cytology of **Oomycetes.** Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378

Cytological **studies** in Brazilian Acrididae: Aleuas gracilis, a species with a highly developed sex determining mechanism of the Neo XY type. 029304

CYTOPLASM

Primary structure of *cytoplasmic* **aspartate-aminotransferase** from porcine myocardium. Isolation, purification, and characterization of peptides split by cyanogen bromide. 023311

On the mechanism of petite genesis in yeast. IV. Biochemical characterizaton of a **conditional** *cytoplasmic* mutant producing petites at restrictive temperature. 026090

DNA synthesis in circulating erythroblasts of anemic duck. Isolation and properties of nuclear and *cytoplasmic-nonmitochondrial* **DNA.** 024069

Intracytoplasmic **filaments** in pulmonary lymphatic endothelial cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360

Cytoplasmic **filaments** and their assembly into bundles in Physarum [polycephalum] plasmodium [Fungi]. 026055

Cytoplasmic **inclusions** in yellowing parsley leaves [presumably due to a virus infection]. 028212

Inheritance of gall midge (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to *cytoplasmic* **influence** on its expression. 028719

Interferometric measurements of dry mass content in nuclei and *cytoplasm* in the **life** cycle of antheridial filaments cells of Chara vulgaris L. [Algae] in their successive developmental stages. 026334

The role of *cytoplasmic* **microtubules** in fungi. 026013

Studies on the improvement of bovine tuberculin. 1. Sensitivity and specificity of PPD's prepared from low-heated culture filtrate and *cytoplasm* of **Mycobacterium** bovis. 024696

Cytoplasmic and **nuclear** binding components for 1alpha,25-dihydroxyvitamin D3 in chick parathyroid glands. 023621
Control by phytochrome of *cytoplasmic* and **plastid** rRNA accumulation in cotyledons of mustard [Sinapis alba] seedlings in the absence of photosynthesis. 026787
Partial purification and characterization of **two** *cytoplasmic* DNA polymerases from ungerminated wheat. 026998
The role of supplementary genes in the control of Texas **type** *cytoplasmic* male sterility in corn. 026289
Unusual *cytoplasmic* inclusion body in neural tube cells of rat early embryo: a phagocytotic vesicle? 023244

CYTOSPORA
The role of fungi of the **genus** *Cytospora* Fr. In the dieback of stone fruits in the Crimea. 028029

CYTOTAXONOMY
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the *cytotaxonomy* of **Achlya** and Pythium [Fungi]. 026378
Karyological study of some Pinguicula of Greece and Turkey, particularly the Pinguicula hirtiflora Ten. **complex** *[Cytotaxonomy].* 025611
Chromosome numbers in Compositae. XI. **Heleniеae** *[Cytotaxonomy].* 025584
Chromosome numbers of certain species of flowering plants in the flora of the Aragats Mountain **Range** *[Cytotaxonomy].* 025690

CYTOTOXIC
The *cytotoxic* **action** of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on roots of Triticum durum Desf. [Wheat]. 028341
Studies on sperm antigenicity. IV. **Lymphocyte** *cytotoxicity* in cell-mediated response to homologous spermatozoa [Guinea pigs]. 024517
Immune **plasma-dependent** *cytotoxicity* of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530

DACTYLIS
Comparison of productivity between semi-natural Miscanthus sward and improved orchardgrass *[Dactylis]-ladino* **clover** mixture. 027462
Evaluation of irrigated pasture species [Festuca arundinacea, Agropyron elongatum, *Dactylis* **glomerata,** cattle]. 023861
Classification of *Dactylis* **glomerata** florets based on caryopsis size [seed germination test]. 027043
On the estimation of the productivity of orchardgrass *[Dactylis* **glomerata]** swards in Hokkaido. 027494
New varieties of *Dactylis* **[glomerata],** meadow fescue [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for forage production. 027500
Studies on the weaning and grazing of calves. 1. The grazing grasses *[Dactylis,* **Ladino** clover] and rumen adaptation. 023876
Dormancy breaking in the light-sensitive seeds in temperature forage crops. IV. Seed development of **orchardgrass** *(Dactylis* glomerata L.) and change in germination behaviour during its development. 026996
Studies on the regrowth of orchardgrass *[Dactylis]* under different **season,** cutting and fertilization. 027376
Modification of the botanical composition and dry substance yield of grass and white clover mixtures from the use of different *Dactylis* **varieties.** 027369

DACUS
Melon flies *[Dacus* **curcurbitae]:** Dosage-response and sexual competitiveness after treatment with gamma irradiation in a nitrogen atmosphere. 028868
Oriental fruit fly *[Dacus* **dorsalis]:** thickened formulationsof methyl eugenol in spot applications for male annihilation. 028869
Inhibition of larval growth of *Dacus* **oleae** (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
Identification of a fruit fly *[Dacus* **(Strumeta)** cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. 026639

DAFFODILS
Vegetative propagation of *daffodils* **[Narcissus]** by double-scaling. 027653

DAHLIAS
Hormonal regulation of **tuberization** in *Dahlia.* 027078

DAIRY
1974 annual report of the Federal Teaching and Research Institute for **Alpine** *Dairy* Industry in Rotholz. 022608
Influence of sex of the calf and order of lactation on reproductive efficiency in *dairy* **animals.** 024080
Arkansas *Dairy* [cattle] Study Day, October 28, 1975. Breeding, Feeding, Management. 023161
Where is the Central *[dairy]* **Association** going? 022574
The **Austrian** *dairy* industry. 022622
Possibilities of lowering construction costs on *dairy* **barns.** 021416
Dairy **beef** production as influenced by sex, protein level and diethylstilbestrol. 023758
Veal productivity of calves of *dairy* and **beef-dairy** [cattle] breeds in conditions of industrial technology [Costs, returns, meat composition]. 021460
The Canadian conformation system: herd book participation *[Dairy* **breed].** 024173
Dairy **bulls** are also judged on beef in the German Federal Republic. 023133
Considerations with respect to the use of a system of artificial rearing for *dairy* **calves** in southern Chile. 023090
Short-term metabolic control of appetite in *dairy* **calves** [Feeding]. 023616
A note on econometric simulation model for **Canadian** *dairy* industry. 023101
A quadratic programming model of the **Canadian** *dairy* industry. 023102
The economics of using artificially dried green crops in milk production *[Dairy* **cattle,** feeding costs]. 021410
Reduction of expenditures in the *dairy* **cattle** industry. 021452
Veal productivity of calves of dairy and *beef-dairy* **[cattle]** breeds in conditions of industrial technology [Costs, returns, meat composition]. 021460
Development of the *dairy* **cattle** farming in the north Rhine area. 023107
Maintenance people, number one influence factor in animal husbandry *[Dairy* **cattle].** 023165
Behavior adaptation of *dairy* **cattle** in various free stall systems. 023587
Thyroid activity as a selection criteria in animal breeding *[Dairy* **cattle].** 023659
Feeding value of hardwood sawdust in *dairy* **[cattle]** rations. 023694
Effects of feeding nitrates to *dairy* **cattle.** 023695
Physiological bases of *dairy* **cattle** feeding on farms with high fertilizer application and intensity of feed utilization. 023703
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production *[Dairy* **cattle].** 023723
Feed now—or pay later *[Dairy* **cattle].** 023726
Trace minerals are top nutrition insurance *[Dairy* **cattle].** 023728
Winter feeding of lactating cows *[Dairy* **cattle].** 023729
Dairy **cattle**—providers, not users—of human food [Feeding]. 023740
Economical winter feeding of *dairy* **cattle.** 023742
Effect of protected lipid feeding on milk composition *[Dairy* **cattle].** 023815
Effects of changes in forage-concentrate ratios of complete feeds on *dairy* **cattle.** 023816
Forage systems for *dairy* **cattle.** 023932
Records aid in reproductive management *[Dairy* **cattle].** 024061
Anestrus in *dairy* **cattle.** 024062
Estrus detectors *[Dairy* **cattle].** 024063
Selection of *dairy* **cattle** for overall excellence. 024102
An economic evaluation of different selection alternatives as means for improvement of milk protein yield *[Dairy* **cattle,** genetics]. 024152
Learning device in pedigree evaluation *[Dairy* **cattle].** 024167
Sire selection Canadian style: the Canadian production system *[Dairy* **cattle].** 024172
Hormonal changes around bovine luteolysis *[Dairy* **cattle].** 024199
Problems in artificial insemination and conception in *dairy* **cattle.** 024221
Profitable breeding plans *[Dairy* **cattle].** 024222
Development of the Jamaica Hope breed of *dairy* **cattle.** 024249
Increasing the productivity of *dairy* **cattle** on a state farm **[Artificial insemination].** 024267
Examination of problem mastitis herds in Ohio *[Dairy* **cattle].** 024466
Facial eczema on a Taranaki farm *[Dairy* **cattle,** sheep]. 024505
Facial eczema—the importance of litter and control *[Dairy* **cattle].** 024506
Mastitis detection *[Dairy* **cattle].** 024507
Mastitis [Control, *dairy* **cattle].** 024508
CMT [California Mastitis Test], your tool for detecting subclinical mastitis *[Dairy* **cattle].** 024521
Serological inquiry in the province of Quebec on leptospirosis in *dairy* **cattle.** 024707
Left abomasal displacement, a retrospective study of 315 cases *[Dairy* **cattle].** 024824
Milk fever is a constant threat *[Dairy* **cattle].** 024833
Hypocuprosis [deficiency of copper] in *dairy* **cattle** in Northland. 024881
Free-stall housing for *dairy* **cattle.** 029953
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on *dairy* **cattle].** 030423
Milk marketing and the *dairy* **cow** of tomorrow. 021612
Canada's conformation system. II. *[Dairy* **cow** breeding]. 024164
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the *dairy* **cows** and nitrate poisoning [Cattle]. 023057
Dairy: Group handling of *dairy* **cows.** 023095
Preliminary observations on the influence of different feed protein levels on the blood profile of *dairy* **cows.** 023687
Effect of forage-to-concentrate ratio in complete feeds and feed intake on digestion of starch by *dairy* **cows.** 023766
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites *[Dairy* **cows].** 023774
Feeding corn silage plus manure from caged layers or *dairy* **cows** as total mixed rations for dairy heifers. 023819
Can and should the dairy producers in western France take recourse to crossing **[of** *dairy* **cows** with beef type bulls]. 024067
Calf response to the initiation of parturition in *dairy* **cows** with dexamethasone or dexamethasone with estradiol benzoate. 024088
Effect of estrogen applied in puerperium on its course and some indices of fertility in *dairy* **cows.** 024244
Hormonal responses of *dairy* **cows** with ovarian cysts to GnRH [gonadotropin-releasing hormone]. 024858
Hypomagnesiemia in *dairy* **cows** as a possible cause of calf hypotrophy. 024921
Design of a cow barn for 510 *dairy* **cows.** 029892
Conversion of purpose built unit for *dairy* **cows** [Buildings]. 029902
Maternity barn for *dairy* **cows.** 029962 .
Dairy **development** in south India. 021820
Exploring ways and means to reduce the cost of production ofmilk to **encourage** *dairy* farming. 021396
Qualities of a lactoduc *[Dairy* **equipment,** milking parlors]. 030080
25 years of the West German National Association of *Dairy* **Experts** and Dairy Scientists, incorporated. 022575
Problems **facing** *dairy* products manufacturers and effective and economic utilisation of surplus milk products. 022588
Cash flow on the *dairy* **farm** [Finances]. 021367
1974 *dairy* **farm** business summary. 021375
Income tax considerations for 1975 *[Dairy* **farming].** 021378
Measures for maintaining fertility on top-performance *[dairy]* **farms.** 024036
Proper drainage is essential *[Dairy* **farms].** 030647
Study of contamination and purification of waste waters from *dairy* **farms** and milk processing enterprises. 030960
Natural gas, an energy source for *dairies* that is **favorable** to the environment. 029931
Dairy **goat** housing and care [Husbandry]. 023109
The use of progestagens to control the oestrous cycle of the *dairy* **goat.** 024009
Dairy **goat** herd health problems. 024319
Dairy **goats** for family milk supply [Husbandry]. 023110
Sterotyped system of land utilization for the **grassland-type** *dairy* farming management. 021304
Dairy: **Group** handling of dairy cows. 023095
Feeding corn silage plus manure from caged layers or dairy cows as total mixed rations for *dairy* **heifers.** 023819
What is a DHI *[Dairy* **Herd** Improvement] record? 021234
Sampling milk and reporting information for DHIA *[Dairy* **Herd** Improvement Association] Tests. 022556
USDA-DHIA *[Dairy* **Herd** Improvement Association] cow index list, spring 1975 [Performance]. 024031
The role of management in *dairy* **herd** fertility. 024084
Present solutions for **housing** *dairy* cattle. 029952
Good prospects for marked articles *[Dairy* **industry,** trade]. 021483
Marketing also in the *dairy* **industry.** 021485
Non-brand or *[dairy]* **industry** advertising. 021613
Position and development of the *dairy* **industry** in the Rhineland Palatinate. 021712
A milk producer speculates about the future of the *dairy* **industry.** 021799
A study on quality control in the *dairy* **industry.** 021855
The consequences of drinking water regulation on *dairy* **industry.** 021951
Reciprocal effects between packaging materials and filling products from the view of the *dairy* **industry.** 022561
Thoughts on the new trends of the *[dairy* **industry]** Association's work. 022573
Evaluation of soil deposition and removal processes [in *dairy* **industry]:** an interpretive review. 022592
Bacteriological control of cleaning and disinfection of surface areas *[Dairy* **industry].** 022600
Automation and the *dairy* **industry.** 022629
Control and automation in the *dairy* **industry.** 022630
Justification of automation in the *dairy* **industry.** 022631
Stirring and mixing equipment, with special regard to the *dairy* **industry.** 030062
International *dairy* industry in change. 023162
On the relation between milk production and fertility in **Kibbutz** *dairy* cattle herds. 024085
Formaldehyde treated whey protein concentrate for **lactating** *dairy* cattle. 023767
No associative effects between corn and haycrop silages fed to **lactating** *dairy* cows. 023770
Chronic fibrous teat end lesions of **lactating** *dairy* cows. 024823
Large *dairy* cattle industry in Canada and the United States; report of a study trip in 1974 [Management]. 021325

Problems concerning production of *dairy* **machinery** for use within the country and their export. 021579
An outbreak of Salmonella typhimurium infection in a farm of *dairy-breed* **male** calves. 024483
Results of modern two and three **man** *dairy* farms. 021316
Fertility of imported deep frozen semen of Brown Swiss proven sires at the N.d.r.i. **[National** *Dairy* Research Institute], Karnal. 024072
Economical sales system for *dairy* **packaging.** 021601
Methods of estimating processing costs in *dairy* **plant.** 022587
Cryoscopy of milk. I. Establishment of freezing point of milk received in *dairy* **plants** [Adulteration]. 021833
Can and should the *dairy* **producers** in western France take recourse to crossing [of dairy cows with beef type bulls]. 024067
The effectiveness of certain commercial bacteriophage inhibiting media [Streptococcus, *dairy* **product** starters, cultures, contamination]. 022640
Determination of the cost curve in *dairy* **production** departments in dependence on capacity and capacity utilization. VIII. Butter making section. 021418
Determination of the cost curve in *dairy* **production** departments in dependence on capacity and capacity utilization. VII. Consumption milk section. 021419
Dairy **Products** Manufacturers' Association, annual report [Economic aspects]. 021220
Review of the agricultural situation in Europe at the end of 1974. Volume II. *Dairy* **products,** eggs [Production, consumption, trade, statistics]. 021489
Confirmation of polybrominated biphenyl residues in feeds and *dairy* **products,** using an ultraviolet irradiation-gas-liquid chromatographic technique. 021911
Physiological aspects of fluid packaging in cartons *[Dairy* **products,** hygiene]. 021942
Trade labeling problems of *dairy* **products.** 021943
Thin layer chromatographic separation methods for the proof of mycotoxins [in *dairy* **products].** 022165
Effect of sugar in *dairy* **products.** 022570
Spanish bibliography [Milk and *dairy* **products].** 022586
Problems of extraction and analysis of some aromatic compounds of *dairy* **products.** I. Concentration and extraction techniques. 022598
Folding foils for *dairy* **products.** 022602
Manufacture of thicker and more solid welded seams in fluid packaging [Packaging material for *dairy* **products].** 022603
An aseptically and labour saving method of handling starter cultures [for *dairy* **products].** 022633
Organochloride pesticide residues in milk and *dairy* **products** (1973-1974 balance). 029079
A study of socioeconomic and personal traits of farmer patrons of a *dairy* **project.** 021098
Silage in *dairy* **rations.** 023933
Rearing *dairy* herd replacements. 023088
Dairy **research** in Austria. 022610
25 years of the West German National Association of Dairy Experts and *Dairy* **Scientists,** incorporated. 022575
Planning the *dairy* **strategy.** 021251
The **successful** *dairy* production section [Trade]. 021487
Fertility of estrus **synchronized** *dairy* heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
U.S. *Dairy* **trade** deficit reduced in fiscal 1975 as exports gain and imports decline [Statistics]. 021515
Two *dairy* cattle per forage acre [Pasture management]. 027446
Feeding, managing, and **vaccinating** *dairy* and orphan beef calves from birth to weaning. 023096
Aspects of herd wastage in New **Zealand** *dairy* herds [Farm management]. 021259
Financing proposals for the future [New **Zealand** *Dairy* Farm system]. 021379

DAIRYMEN

Will there be 50% **fewer** *dairymen* by 1984? [Outlook]. 021710
Michigan *dairymen* indicate demand for veterinary services and client education. 024302

DALAPON

Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with *dalapon)* **[Herbicides].** 028498

DALBERGIA

Neoflavanoids of *Dalbergia* **melanoxylon.** 027334

DALBULUS

Pathogenicity of the corn stunt agent to an insect vector, *Dalbulus* **elimatus.** 028758

DAMPING

Chemical seed treatment to **control** *damping-off* of cotton seedlings [Rhizoctonia solani]. 028082

DAMS

Influence of birth date and *dam's* **age** on early growth in beef cattle. 023619
Timber resources and the **Banchaonen** *Dam* Development Project. 025058
A comparison of the role of vision and hearing in lambs finding their **own** *dams.* 023246
Heritability estimates for milk yield by *daughter-dam-regression* and **problems** related to it [Cattle]. 024283
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of *dam* and **progeny** and possible role of selenium [Swine, feeding]. 023818

DAMSELFLIES

Diapause termination in two species of *damselflies* **[Enallagma** hageni, Enallagma aspersum]. 029410
Modeling arthropod predation: wasteful killing by *damselfly* **naiads** [Anomalagrion hastatum, Ischnura ramburii]. 029319
The *damselflies* **(Zygoptera)** of Montana. 029665

DANAIDAE

Danaus sita from the Philippine Islands **(Lepidoptera,** *Danaidae).* 029583

DANAUS

Danaus **sita** from the Philippine Islands (Lepidoptera, Danaidae). 029583

DAPHNIPHYLLUM

Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, **Cinnamomum,** *Daphniphyllum].* 025904

DASYNEURA

Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of *Dasineura* **amaramanjarae** Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
An as yet rarely observed pest *[Dasyneura* **pyri]** on pears. 028880

DATURA

Biosynthesis of meteloidine from 3alpha-tigloyloxytropane in *Datura* **innoxia.** 026723
Biosynthesis of ditigloyl esters of di- and tri-hydroxytropanes in *Datura* **[innoxia].** 026724
Biosynthesis of 3alpha,6beta-ditigloyloxytropane and 3alpha, 6beta-ditigloyloxytropan-7beta-ol in *Datura* **[meteloides].** 026725
Competitive feeding experiments with tropine in *Datura* **[meteloides].** 026728
Efficiency changes due to use of doubled-haploids in recurrent selection methods *[Datura* **stramonium].** 026302

DAUGHTER

Heritability estimates for milk yield by *daughter-dam-regression* and **problems** related to it [Cattle]. 024283

DAYLIGHT

Recent developments of *multi-daylight* **particleboard** presses. 025359

DDT

Dieldrin and *DDT:* **accumulation** from water and food by lake trout (Salvelinus namaycush) in the laboratory. 029155
Linkage of a gene for *DDT-resistance* in **adults** of the mosquito Aedes aegypti. 029005
Action of Bacillus thuringiensis preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by **beta-exotoxin** and *DDT.* 028936
Bioaccumulation of 14C **[carbon** *isotope]-DDT* in a small pond [Water pollution]. 030875
Catalytic dechlorination of organochlorine [pesticide] **compounds.** I. *DDT.* 029086
Influence of individual body weight on the susceptibility of adult Musca domestica to *DDT* and **malathion.** 029007
Genetic analysis of resistance to *DDT,* **methoxychlor** and fenitrothion in two strains of housefly (Musca domestica). 028971
Dieldrin and DDT in the tissues of mice fed aldrin and *DDT* for **seven** generations. 024940

DEALERS

1976 field crops herbicide manual for *dealers* and **custom** applicators. 028483

DEAMINASE

Adenosine *deaminase* in the pig: tissue-specific patterns and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. 023976

DEATH

A cold precipitable fibrinogen complex in the plasma of **cattle** *dying* from infection with Babesia argentina. 024787
Research on agricultural vocational mobility. *Dead* **ends** andsolution methods. 021144
Variations on a few sanguineous biochemical parameters after *death* in **horses** and oxen. I. Sodium, potassium, chlorides, urea and hematocrit. 024355
Mechanism of the **hypersensitive** *cell-death* in host-parasite interaction [Potatoes, Phytophthora infestans]. 027972
Professor Dr. E. Brouwer, *deceased* **[Nutritionists].** 022224
Comparison of **post** *mortem* changes in ultrastructure of the masseter and longissimus dorsi muscle of pits yielding pale, soft exudative meat. 021840
Bacterial infection/invasion in fish flesh [and **post** *mortem* storage properties of the fish]. 021931
Death **rates** of bacterial spores [isolated from sugar-cane bagasse]: nonlinear survivor curves [Bacillus cereus]. 021863
The microbiology and biogeochemistry of the *Dead* **Sea** [Halobacterium, Sarcina, Dunaliella, Algae]. 026670
A telemetric aid in establishing the cause of *death* in **semidomesticated** or wild animals [Reindeer]. 024292
Thermal *death* of fungal conidia [Aspergillus niger] in liquid paraffin. 026643
Dynamic mechanical measurements during the life to *death* **transition** in animal tissues. 023314
The *death* of **trees** at Shaar-Hagai. 028368

DEBARKING

Debarking **chips** from whole trees [Populus, Acer saccharum, Pinus banksiana] in the Lake States. 025534

DEBEAKING

The right way to *debeak* **[Poultry].** 023122

DECARBOXYLASES

Arginine *decarboxylase* from Lathyrus sativus seedlings: purification and properties. 026953

DECARBOXYLATION

Decarboxylation of **oxalacetate** to pyruvate by purified avian liver phosphoenolpyruvate carboxykinase. 023479

DECAY

Identification of the 120 mus phase in the *decay* of **delayed** fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Dispersal of microorganism [fungi] on *decaying* **leaves** and litter. 025903
Attempt at evaluation of the degree and rate of **moss** *decay* in a natural habitat. 026331
Postharvest *decay,* weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
Behavior of phenolic substances in the *decaying* **process** of plants. II. Changes of phenolic substances in the decaying process of rice straw under various conditions. 027048
Behavior of phenolic substances in the *decaying* **process** of plants. III. Degradation pathway of phenolic acids [Rice straw]. 030351
Variation in *decay* **resistance** of Betula pubescens Ehrh. Against Polyporus versicolor. 025279
Studies on the rate of *decay* of **wood** litter on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429

DECEASED *see* DEATH

DECIDUOUS

Analysis of litterfall in a *deciduous* **forest** on Walker Branch Watershed, Tennessee: data stratification by two alternative methods. 030179
A regional analysis of injury to *deciduous* **fruit** trees by the freeze of December, 1972. 028340
1974 evaluation of candidate pesticides. Insecticides: *deciduous* **fruit** trees. 028877
Growing *deciduous* fruit trees in the tropics, a new approach to an old problem. 027604

DECOMPOSITION

Microbial **asymmetric** *decomposition* of 2-oxo-4-methyl-6-ureidohexahydropyrimidine in soil. 030214
Susceptibility of organic matter of Chernozemic Ah horizons to **biological** *decomposition.* 030198
The stages of **fungal** *decomposition* of forest litter. 030262
Studies on the *decomposition* of **lignosulfonates** by the fungi Pleurotus ostreatus and Trametes pubescens. 026324
Decomposition of **litter** on forest floor. III. Decomposition of woods in subalpine forest. 030249
An analysis of accumulation and *decomposition* of **litter** fall in hill evergreen forest Doi-Pui Chiengmai. 030327
Successions of microorganisms and invertebrata and their connections with biochemical processes during *decomposition* of **manure** in soil. 030277
Decomposition of **organic** materials and soil fauna in pasture. 2. Disappearance of cow dung. 030271
The use of *decomposed* **pine** bark [waste] as a substrate for growing Gerbera. 030406
Moisture absorption, mold growth, and *decomposition* of **rice** straw [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176
Proximate nutritive value changes during *decomposition* of **salt** marsh plants [Spartina cynosuroides, Distichlis spicata, Scirpus americanus]. 022104
The influence of glucose on **simazine** *decomposition* [by Penicillium citrinum in soil]. 030171
Influence of temperature on the kinetics of rice **straw** *decomposition* in soils. 030340
Decomposition of litter on forest floor. III. *Decomposition* of **woods** in subalpine forest. 030249

DECONTAMINATION
Antibiotic *decontamination* in animals and in human patients. 024536

DEER
Sedation and restraint of **fallow** *deer* with Diazepam. 024304
Nutrient content of **mule** *deer* diets [Forage] from ponderosapine range. 026987
Effect of temperature on blood composition of **Nevada** *deer*. 023629
Barking by **red** *deer* in mountain localities. 025026
The effect of **white-tailed** *deer* and showshoe hare browsing on trees and shrubs in northern Minnesota [Injuries]. 025060

DEFENSE
Defensive **behaviour** and production of alarm pheromone in honeybees [Apis mellifera]. 029812
The Bachli **bird** *defense* system in grape culture. 028435
Cuticular encystment: a unique and **effective** *defense* reaction by cabbage looper larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
The *defence* **rights** [Veterinary medicine]. 024354
Defence substances of arthropods. LIX. Platambin, a *defence* **substance** of the water beetle Platambus maculatus (Coleoptera: Dytiscidae). 029439
Defense in **two** pre-social membracids [Tree insects, biological control] (Homoptera: Membracidae) [Platycotis vittata, Umbonia crassicornis]. 028227

DEFICIENCY
Effect of ascorbic **acid** *deficiency* on the permeability and collagen biosynthesis of oral mucosal epithelium. 022033
Sex differences in susceptibility to experimental induction of pantothenic **acid** *deficiency* in rats. 022106
Synthesis of versicolorin A by a mutant strain of [the mold] Aspergillus parasiticus [Fungi] *deficient* in **aflatoxin** production [Heritability]. 026187
A urinary pentasaccharide in bovine mannosidosis *[Deficiency* of **alpha-mannosidase].** 024836
Soil cultivation and water supply in relation to bitter pit [in apples, excessive potassium, **calcium** *deficiency].* 028308
Cardiac *deficiency* in the dog. 024887
Studies on experimental vitamin A *deficiency* in **chicks**—clinical picture. 024845
New aspects of the **cobalt** *deficiency* problem [Sheep]. 024839
Hypocuprosis *[deficiency* of **copper**] in dairy cattle in Northland. 024881
Copper *deficiency* in Pinus radiata in a peat soil nursery. 028396
Isolation and characterization of a mutant of Neurospora **crassa** *deficient* in general amino acid permease activity [Fungi]. 026407
Vitamin E and sex behavior in mice [**Dietary** *deficiency].* 022175
Aflatoxicosis and vitamin D3 *deficiency* in **ducklings.** 024897
Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The induction of vitamin B12 *deficiency* and its **effect** on folate levels. 022061
Nutritional physiology of zinc and symptoms of its *deficiency* in some **field** crops. 028364
The effect of **iodine** *deficiency* on thyroid function in the infant rat. 022163
Effect of **magnesium** *deficiency* on responsiveness to 1-25 dihydroxycholecalciferol injection in vitamin D deficient rats. 022063
Changes in cellular composition during **magnesium** *deficiency* [Rats]. 024822
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on **magnesium** *deficient* soil. 030484
Gas metabolism in ovine rumen cultures on a *nitrogen-deficient* **medium.** 023357
Amino acid and fatty acid composition of *chlorophyll-deficient* **mutants** in peanuts Arachis hypogaea L. 026999
Nickel *deficiency* in rats. 022141
Nickel *deficiency* and nickel-rhodiuminteraction in chicks. 023538
Sterility [Cattle, **nutritional** *deficiency].* 024215
Price stabilization through *deficiency* **payments** [Swine]. 021478
Nutritional survey in an iron- and *folate-deficient* **popuation.** 022007
Treating **potassium** *deficiency;* a summary of recent investigations. 030463
Effect of sucrose on recovery of serum albumin concentrations of **proteins** *deficient* rats to normal. 022180
Effect of magnesium deficiency on responsiveness to 1-25 dihydroxycholecalciferol injection in vitamin D *deficient* **rats.** 022063
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in **selenium** *deficient,* vitamin E supplemented rats. 022182
Micronutrient research in soils and *[deficiency* **symptoms** in] plants in India: a review. 030466
Tissue changes induced by marginal **vitamin** C *deficiency.* 022049
Regulation of mitochondrial biogenesis: enzymatic changes in *cytochrome-deficient* **yeast** [Saccharomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
Zinc *deficiency* and protein synthesis in the pig. 023646
Relationships between clinical **zinc** *deficiency* symptoms and zinc status in lactating cows. 024935

DEFICITS
Deficits in **binocular** depth perception in cats after alternating monocular deprivation. 023652
The **"meat** *deficit"* in the commercial balance [Supply and demand]. 021635
U.S. Dairy **trade** *deficit* reduced in fiscal 1975 as exports gain and imports decline [Statistics]. 021515

DEFOLIANTS
Effect of [the *defoliant]* **Butifos** in relation to the provision with water [of cotton plants]. 027433
Appraisal of ethylene production as a test for *defoliants* [**Kidney** beans]. 027186

DEFOLIATION
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of **artificial** *defoliation* last fall on some metabolic changes taking place in the fruit during cell division. 027298
Experiments and results of desiccation of grass seed **crops** *[Defoliation].* 027539
Soybean response to stand reduction and *defoliation* [**Hail** damage, plant recovery]. 028319
Effect of **partial** *defoliation* during the vegetative phase on subsequent growth and grain yield of maize. 027366

DEFORMATION
Evidence of a [peach wart] virus disease **causing** *deformed* stones on the peach seedling GF 305. 028178
Cases of **congenital** *deformation* of the extremities in Sychevka calves [Heredity]. 024259
Transmissible and non transmissible **fruit** *deformation* of quince [caused by virus]. 028205
On calculating the stresses and *deformations* in **non-homogeneous** material of woody plants. 025399
The relationship of **plastic** *deformation* in freeze-etching to the orientation of a protein particle [Tobacco]. 026029
Surgical treatment of posterior luxation and **radius** *deformation* in a wolf dog. 024970
Effects of **tire** *deformation* on the tractor transversal stability. Articulated tractor. 030118
Determination of the sum of main stresses on the surface of photoelastimetric layer by measurement of **transversal** *deformation* [Equipment]. 029992

DEGENERATION
Biochemical diagnosis of *degenerative* **myopathy** of early young cattle. Study of two cases observed in a Lyons slaughterhouse. 024831
Studies on strawberry virus diseases [transmitted by Chaetosiphon minor]: *degeneration* of **strawberry** in Hokkaido. 028273

DEGRADATION
Apparent solubility and **alkali** *degradation* patterns of rice varieties. 022780
On the **alkaline** *degradation* of 2-furfurylidene-10-methyl-trans-1-decalone. 022418
Procedure for evaluating the **biological** *degradation* of turfgrass thatch [Festuca rubra]. 027104
Degradation of **casein** during the ripening of cheddar cheese. 022627
Physical investigations of the plow pan of a *degraded* **Chernozem** soil. 030258
Persistence and *degradation* of **chlorofenvinphos,** chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application **[Residues, chemical control,** carrot insect pests]. 028886
"A model for the *degradation* of **cotton** cellulose." A comment. 022788
End-wise *degradation* of hydrocellulose during hot alkali treatment. 025415
Adsorption, *degradation* and **leaching** of alachlor in some soils. 030233
Microbial *degradation* of synthetic organic pesticides in rice soils. 029102
Aflatoxin can be *degraded* by the **mycelium** of Aspergillus parasiticus [Fungi, food chemistry]. 026859
Organic acids in soil during *degradation* of **organic** residues. 030318
Behavior of phenolic substances in the decaying process of plants. III. *Degradation* **pathway** of phenolic acids [Rice straw]. 030351
Fate of microbicidal 3-isothiazolone compounds in the environment: **products** of *degradation.* 030924
Protein *degradation* studies in lucerne juice [stored at different temperatures]. 022109
Degradation of **raffinose** and stachyose in soybean milk by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within polyacrylamide **gel.** 022781
In vitro and mouse evaluation of methods for protecting whey protein and casein from **ruminal** *degradation.* 023508
Uptake, distribution, and *degradation* of **simazine** by black walnut [**Juglans nigra**] and yellow-poplar [Liriodendron tulipifera] seedlings [Herbicides]. 028624
Kinetics of the **thermal** *degradation* of the anthocyanins pelargonidin-3-glucoside and cyanidin-3-glucoside [Food research]. 022522

DEHISCENCE
Concentration dependencies of ethylene on **shuck** *dehiscence* and fruit and leaf abscission of Carya illinoensis [Wang.] K. Koch. 027188
Pecan [variety] **shuck** *dehiscence* dates under southwest Georgia conditions. 027816

DEHYDRASE
Erythrocyte gamma-aminolevulinic **acid** *dehydrase* changes in the preruminant calf. 023507

DEHYDRATASES
Effect of pyridoxal phosphate and cysteine on delta-aminolaevulinate synthetase and *dehydratase* in **soya.** 027007

DEHYDRATION
Mechanism of the transition of actomyosin to beta-structure upon hot **air** *dehydration* [Fishery products]. 022406
Digestible, metabolizable and net energy values of corn grain and *dehydrated* **alfalfa** in sheep. 023759
Rational treatment of *dehydration* in **calves,** galenical preparation and clinical experimentation of new perfusable rehydrating solutions. 024893
Principles and application of radio-frequency energy to food preservation with particular reference to **concentration** and *dehydration.* 022460
A simulated fruit gel suitable for **freeze** *dehydration.* 022496
Recirculation of centrifugate in **mechanical** *dehydration* of poultry excrements [Waste removal]. 029983
Evaluation of **partially** *dehydrated* milks [Caloric value]. 022580
Flavor and stability of *dehydrated* **potato** products. 022917
Gross protein value of *dehydrated* **poultry** manure and various supplements determined by broiler chicks. 023838
Application of freeze drying for preparation of *dehydrated* **powders** from liquid food extracts. 022442
The influence of temperature on the ability of Aphelenchoides besseyi to **survive** *dehydration* [Rice, nematodes]. 028405

DEHYDROGENASES
Effect of NADH [naphtaleneacetic **acid** *dehydrogenase]* on the activities of nitrate reductase and its inactivating enzyme [Field crops]. 026966
Effect of NADH [naphthaleneacetic **acid** *dehydrogenase]* on the activities of nitrate reductase and its inactivating enzyme [Wheat, barley, chickpeas, rice]. 026967
Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of yeast **alcohol** *dehydrogenase* by vitamin B12 in the presence of thiol compounds. 022213
Activation of [horse] liver **alcohol** *dehydrogenases* by imidoesters generated in solution. 023295
The intrinsic zinc atoms of yeast **alcohol** *dehydrogenase.* 026396
Rice and pea **alcohol** *dehydrogenase.* 026529
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 1. Purification and properties. 022423
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 2. Regulation of the activity. 022424
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 3. Stoichiometry and function of the individual components. 022425
Studies on the enzyme system of carbohydrate metabolism in fish. II. Purification of glucose-6-phosphate dehydrogenase and **glucose** *dehydrogenase.* 022410
Studies on the enzyme system of carbohydrate metabolism in fish. III. Properties of glucose-6-phosphate dehydrogenase and **glucose** *dehydrogenase.* 022411
Studies on the enzyme system of carbohydrate metabolism in fish. II. Purification of **glucose-6-phosphate** *dehydrogenase* and glucose dehydrogenase. 022410
Studies on the enzyme system of carbohydrate metabolism in fish. III. Properties of **glucose-6-phosphate** *dehydrogenase* and glucose dehydrogenase. 022411
Subcellular localization of gamma-aminobutyrate transaminase and **glutamate** *dehydrogenase* in adult rat brain. Evidence for at least two small glutamate compartments in brain. 023289
Formation of transient complexes in the **glutamate** *dehydrogenase* catalyzed reaction [Beef liver]. 023297
Regulatory properties of reduced nicotinamide-adenine dinucleotide phosphate on a **glutamate** *dehydrogenase* from Neurospora crassa [Fungi]. 026612
Partial amino-acid sequence of NAD-specific **glutamate** *dehydrogenase* of Neurospora crassa [Fungi]. 026813
Evidence for ammonium-dependent de novo synthesis of **glutamate** *dehydrogenase* in detached oat leaves. 027023
Subunit interactions in yeast [Saccharomyces cerevisiae] **glyceraldehyde-3-phosphate** *dehydrogenase.* 026405
Threonine-sensitive **homoserine** *dehydrogenase* of Serratia marcescens [Bacteria]. 026606
Nature of the stimulus of the copulation-induced rise in **lactic** *dehydrogenase* activity in the rabbit oviduct. 024123
Identification of an essential lysine in porcine heart mitochondrial **malate** *dehydrogenase.* 023481
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and **malate** *dehydrogenase* during ageing of wheat leaves. 027003
Hybrid forms of **malate** *dehydrogenase* of Fusarium oxysporum f. sp. vasinfectum and the cotton plant. 027950
Hormonal control of luteal 20alpha-hydroxy **steroid** *dehydrogenase* and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the pregnant rat. 023281

Luteal 20alpha-hydroxy **steroid** *dehydrogenase* and the formation of delta4-3-oxo steroids in the rat after weaning or treatment with 2-bromo-alpha-ergocryptine during lactation. 023282

DELIGNIFICATION

Delignification of **wood** using pressurized oxygen. II. Kinetics of lignin oxidation. 025469

DELPHACIDAE

A strain producing abundant brachypterous adults in Nilaparvata lugens (Homoptera: *Delphacidae)* **[Rice** pests]. 028721

DELPHINIUM

Development of pollen grain and the formation of spermocells in pollen tubes of *Delphinium* **camptocarpum** Fisch. et Mey. 026614
Characterization of fibrous compound of golgi vesicles in tapetal **cells** of *Delphinium.* 026053
D-mannitol from **Peucedanum** and *Delphinium.* 026474
The pollination ecology of *Delphinium* **tricorne** (Ranunculaceae). 026356

DELTAS

The biosynthesis of *delta-aminolevulinic* **acid** in greening maize leaves. 027013
The *Delta* **Branch** station [of the University of Arkansas, Agricultural Experiment Station, culture of field crops]. 027372
Necessary conditions for assuring success of afforestation in **Danube** *delta* at St. Gheorghe. 025230
Contribution to the study on the biology of the Anopheles hyrcanus species from the **Danube** *delta.* 028995
The kinetics of isomerization of *delta* **3-karene** in the presence of a titanium catalyst. 025347
Humoral transmission of sleep. IX. Activity and concentration of the sleep **peptide** *delta* in cerebral and systemic blood fractions [Rabbits]. 023608
Regulation of mitochondrial biogenesis: enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants **requiring** *delta-aminolevulinic* acid. 026198
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and *delta-5-3beta-hydroxy* **steroid** dehydrogenase during luteolysis in the pregnant rat. 023281
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of *delta4-3-oxo* **steroids** in the rat after weaning or treatment with 2-bromo-alpha-ergocryptine during lactation. 023282
Effect of pyridoxal phosphate and cysteine on *delta-aminolaevulinate* **synthetase** and dehydratase in soya. 027007
Carotene epoxides from the *Delta* **tomato** mutant. 027242

DEMOGRAPHY

Demographic **studies** of Anthyllis vulneraria L. In the Netherlands. 025574

DENATURATION

Refolding of reduced, *denatured* **[bovine]** trypsinogen and trypsin immobilized on agarose beads. 023486
A method for the identification and quantitative investigation of *denatured* **proteins** in mixtures based on computer comparison of amino-acid patterns. 022550

DENDROBIUM

Exquisite orchids from Western Ghats (India). 1. *Dendrobium* **barbatulum.** 025593
Dendrobium **lawesii.** 025592

DENDROCTONUS

Formula for describing effect of insect and host tree *[Dendroctonus* **brevicomis]** factors on resistance to western pine beetle [Pinus ponderosa] attack. 028945
Rhythmic emergence of *Dendroctonus* **ponderosae** (Coleoptera: Scolytidae) from two host species [Pinus ponderosa, Pinus monticola]. 028922

DENDROLIMUS

Control of forest pest insects by viruses *[Dendrolimus* **spectabilis,** Lymantria fumida, Lymantria dispar, Entomophthora]. 028942

DENDROLOGY

Dendrochronology, **radiocarbon,** palynology at Colosseum. 025705

DENERVATION

Influences of **chronic** *denervation* of the carotid bifurcation regions on panting in the sheep. 023609
The process of survival of *denervated* and **freely** autotransplantated skeletal muscle [Cats]. 023412
Effect of *denervation* and **local** damage on extrajunctional L-glutamate receptors in locust muscle [Schistocerca gregaria]. 029455

DENSITY

Air flow resistance and *density* of **alfalfa** leaves [Preservation]. 022842
Functional and numerical responses of the predatory mite, Amblyseius fallacis, to prey [Tetranychus urticae] *density* **[Apples].** 028849
Soybean root anatomy as influenced by soil **bulk** *density.* 025936
Isolation and characterization of microbodies and symphyomicrobodies with different **buoyant** *densities* from the fungus Blastocladiella emersonii. 025947
Dietary **caloric** *density* and caloric utilization by pigs. 023888
Subcellular structure of bovine thyroid gland. A study on bovine thyroid membranes by *buoyant-density-gradient* **centrifugation** in a B-XIV zonal rotor. 023290
The influence of distance between rows and **crop** *density* on grain yield and dry matter content in grain maize. 027568
Sampling dormant apple twigs to estimate the *density* of **eggs** of the European red mite [Panonychus ulmi]. 028852
Dense **ergastoplasmic** granules in the glandular lobe of the locust corpora cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
Productivity of the ant Formica dakotensis in a spruce [Picea] bog. 1. Observed and **estimated** *densities* of the colonies. 029381
High *density* brewing. 022382
A **high** *density* component in several vertebrate enteroviruses [Swine vesicular disease virus]. 024601
Effect of vertebrate size and *density* on **host-selection** by caged Culex nigripalpus. 029038
Influence of nutrient additions and **initial** *density* of plants on production of water hyacinth Eichhornia crassipes. 026372
The measurement of protein turnover by *density* **labelling** [Lemna minor]. 026399
Rapid determination of fat in meat and meat products by Foss-let solvent extraction and *density* **measurement.** 022673
Gas regime of industrial chips relative to change in quality and *density* during **open** storage. 025393
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum crop growth rate under different **plant** *density,* and their dependence on chlorophyll content in alfalfa. 026995
Economic evaluation of differences in **planting** *densities* [Bulbs, costs and returns]. 021356
Narrow row cotton—for Georgia? **[Planting** *density].* 027410
Spacing experiments on bulbs: principles and practice **[Planting** *densities].* 027629
Economics of pineapple production under various **planting** *densities.* 027760
The relationship of Granny Smith apple tree growth and early cropping to **planting** *density* and rectangularity. 027766
Moisture and *density* of **Populus** tremula wood with consideration of its sex. 025397
Density of **rewetted** high moisture grains. 022844
The experimentation to stabilize the appropriate **sowing** *density* of Alnus barbata in nursery. 025240
A relationship between **stomatal** *density* and growth potential in apple rootstocks. 027195
Equations of evolution of the structure and *density* of **synchronous,** relatively steady—state biological communities. 030988
The removal of a wild colony from a *dense* **thicket** [Bees]. 029745

DENTITION

The use of *dentition* to **determine** age in British cattle. 023099

DEOXYRIBONUCLEASES

Deoxyribonuclease **production** by leptospires. 024399
The behaviour of *deoxyribonucleases* of **rat** liver in the course of diethylnitrosamine-induced carcinogenesis. 025007

DEOXYRIBONUCLEIC

Combined heat-irradiation effect on *deoxyribonucleic* **acid** of Pennicillium expansum LK. ex. Thom [Fungi]. 026613
Presence of displacement loops in the covalently closed circular **chloroplast** *deoxyribonucleic* acid from higher plants [Peas, maize]. 026629
Studies of cytology and growth of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and *DNA* **content** in different isolation and stages of development [Forest trees]. 027952
DNA **content** of spermatids and spermatozoa of haploid and diploid drone honeybees [Apis mellifera]. 029814
Partial purification and characterization of two **cytoplasmic** *DNA* polymerases from ungerminated wheat. 026998
DNA synthesis in circulating erythroblasts of anemic duck. Isolation and properties of nuclear and **cytoplasmic-nonmitochondrial** *DNA.* 024069
Alterations of *DNA-dependent* **DNA** polymerase activities in the immature quail oviduct in response to estrogen stimulation. 023600
Induction of *DNA* **double-strand** breaks by X-rays in a radiosensitive stain of the yeast Saccharomyces cerevisiae. 026224
Action of **exogenous** *DNA* on the eucaryotic organism and its cells [Animals, plants]. 024060
Promotion of DNA renaturation by a *non-DNA* **factor** in [tobacco] crown gall tumor DNA preparations [Agrobacterium tumefaciens]. 028134
In vitro synthesis of **full-length** *DNA* transcripts of Rous sarcoma virus RNA by viral DNA polymerase. 024671
Long-term perservation of transfecting activity of *DNA* **isolated** from rat virogenic XC cells transformed by Prague strain of Rous sarcoma virus. 024524
Changes in **lectin-induced** *deoxyribonucleic* acid synthesis in cultures of chick-embryo fibroblasts at various stages of development. 023274
Replication of *DNA* in **mammalian** chromosomes. III. Size and RNA content of Okazaki fragments. 024058
Distribuiton of bromouracil in the pyrimidine oligonucleotides of Drosophila **[melanogaster]** *DNA.* 029448
Studies on the **methyl** *green-DNA* complex and its dissociation by drugs [Calf thymus]. 023304
Saccharomyces cerevisiae petite **mitochondrial** *DNA* of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. 026125
Repair of pyrimidine dimers in nuclear and **mitochondrial** *DNA* of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. 026650
Tolerance of Lolium hybrids to quantitative variation in **nuclear** *DNA.* 026228
Ovalbumin mRNA and **ovalbumin** *DNA* and the molecular biology of steroid hormone action [Chicks]. 023197
Equine herpesvirus-induced alterations in nuclear RNA and *DNA* **polymerase** activities. 024763
A *DNA* **polymerase** from embryos of Drosophila melanogaster. Pruification and properties. 029397
Effect of dietary amino acid imbalance on rat liver **protein** and *DNA.* 022202
DNA replication and *DNA* **puffs** in salivary chromosomes of Rhynchosciara. 029305
Promotion of *DNA* **renaturation** by a non-DNA factor in [tobacco] crown gall tumor DNA preparations [Agrobacterium tumefaciens]. 028134
DNA **replication** and DNA puffs in salivary chromosomes of Rhynchosciara. 029305
Radiation studies on Azotobacter chroococcum [soil bacteria]. IV. Effect of a temporary block of *DNA* **replication** on excision repair. 030393
The terminal sequence of Bombyx mori 18S **ribosomal** *DNA.* 029852
Homologies in the *DNA* of **species** of Iris L. 027169
DNA **synthesis** in circulating erythroblasts of anemic duck. Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. 024069
Comparative effects of fusicoccin and gibberellic acid on the promotion of germination and *DNA* **synthesis** initiation in Haplopappus gracilis. 026798
Characterization of *DNA* from **three** bee species [Apis mellifera, Apis cerana, Megachile rotundata]. 029836
Promotion of DNA renaturation by a non-DNA factor in [tobacco] crown gall **tumor** *DNA* preparations [Agrobacterium tumefaciens]. 028134
Repair of UV **[ultraviolet]-induced** *DNA* damage and survival in yeast [Saccharomyces cerevisiae]. I. Dimer excision. 026226
In vitro synthesis of full-length DNA transcripts of Rous sarcoma virus RNA by **viral** *DNA* polymerase. 024671
Effect of isoleucine deprivation on rabbitpox **virus** *DNA* synthesis in mouse L cells. 024602
A study of the sequences of chicken embryo lethal orphan (CELO) **virus** *DNA* present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762
Double chain sequence of RNA obtained through in vitro transcription of **wheat** *DNA* by Escherichia coli RNA polymerase. 026917

DEPLETION

Effect of glucose and Fructose in the protein-repletion diet fed after *protein-depletion* on some **blood** constituents of rats. 021993
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and *depletion* **[Hamsters].** 023420
Labile nitrogen reserves in the ruminant. Metabolic changesin growing cattle employing a **nitrogen** *depletion-repletion* treatment. 023536
Control of the water regime as a prospective method of protecting waters from *depletion* and **pollution.** 030981

DEPOLYMERIZATION

Temperature dependence of anaphase chromosome velocity and **microtubule** *depolymerization* [Tilia americana]. 027324

DEPRESSION

Hemodynamic effects of aerosol propellants. I. **Cardiac** *depression* in the dog. 024998

DEPRIVATION

Bromosulphthalein clearance and total bilirubin level in **cows** *deprived* of food and water. 024933
Effect of **isoleucine** *deprivation* on rabbitpox virus DNA synthesis in mouse L cells. 024602
Deficits in binocular depth perception in cats after alternating **monocular** *deprivation.* 023652
Cardiac structure and function in **vitamin** *B-12-deprived* rats. 022135
Inhibition of thermal tachypnoea in rabbits following exposure to cold and **water** *deprivation.* 023550

DERAEOCORIS

Biology and nymphal stages of *Deraeocoris* **nebulosus** (Hemiptera: Miridae), a predator of arthropod pests on ornamentals. 028814

DERIVATIVES
The phenolics of fruits. VII. The phenolics of cherries and plums and the changes in catechins and hydroxycinnamic **acid** *derivatives* during the development of fruits. 023006
Synthesis and carbon-13 studies of malathion **acid** *derivatives.* 029112
Preliminary investigation on the effects of mirex and its *derivatives* on **adenosine** triphosphatase activities from fire ants [Solenopsis richteri]. 029021
Synthesis and flavor properties of some alkyl-substituted **alpha-pyrone** *derivatives* [Food flavorings]. 022116
Chemistry of vitamin E and its **biological** *derivatives.* 022215
Isolation and structure of coprine, a novel physiologically active **cyclopropanone** *derivative* from Coprinus atramentarius and its synthesis via 1-aminocyclopropanol. 027157
Oxymercuration-demercuration and hydroboration-oxidation of endo-tricyclo[5.2.2.02,6]undeca-3,8-diene. Stereospecific oxymercuration leading to the **4-exo-hydroxy** *derivative* [Plant-hormonal properties]. 026652
Levels of **histidine** *derivatives* in breast muscle of proteindepleted and repleted adult cockerels [During malnutrition]. 023602
Studies on ketene and its *derivatives.* **LXXV.** Reaction of diketene with N-benzylacetimidate and lactim ethers to give 1,6-naphthyridine derivatives [Sophora alopecuroides]. 026515
Studies on Indian medicinal plants. XXXVI. New D:Ecis **neohopane** *derivatives* from Alangium lamarckii. 026850
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with **nitrofuran** *derivatives* and the development of FANFT as a model carc. 024866
Synthesis of 4-pyridoxyacetic acid via a pyridine **N-oxide** *derivative* [Plant regulators]. 026520
Naturally **occurring** *derivatives* of zearalenone [Fusarium, fungi]. 026593
Uniform method for manufacturing sugar oxime **silyl** *derivatives* for gas chromatographic analysis. 022748
The synthesis of **3-spirooxindole** *derivatives.* VII. Total synthesis of alkaloids (plus/minus)-rhynchophylline and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. 026523
Relative phytotoxicity of some picloram [herbicide] *derivatives* **[Sunflowers].** 028338
Naturally occurring **terpene** *derivatives.* LIII. On new sesquiterpenes from Polypteris texana (DC) A. Gray. 026462
Synthesis of guanosine 5'-di- and **-triphosphate** *derivatives* with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. 023305

DERMACENTOR
The effect of mean winter temperature around o degrees centigrade on the population size of the American dog tick, *Dermacentor* **variabilis,** Say. (Acarina: Ixodidae). 029195

DERMAPTERA
Studies on *Dermaptera.* III. **Dermaptera** from Ponziane Islands. 029596
Influence of a juvenile hormone analogue on the ovarian function in allatectomised females of Labidura riparia **(Insecta,** *Dermaptera).* 029269
Studies on Dermaptera. III. *Dermaptera* from **Ponziane** Islands. 029596

DERMATITIS
Canine pulmonary blastomycosis **[Blastomyces** *dermatitidis].* 024776
Allergic **contact** *dermatitis* [in a dog]. 024905
The role of the infectious bursal agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and **gangrenous** *dermatitis* [Broilers]. 024451
Feline **miliary** *dermatitis.* 024361
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In vitro studies **[Mycotic** *dermatitis,* control]. 024561

DERMATOLOGY
Feather-forming and hair-forming of *dermal* **cells** from glabrous skin of birds and mammals [Chick, quail and mouse embryos]. 023351
Experience from some laboratory examinations in **dog** *dermatology.* 024384

DERMATOPHYTA
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against **certain** *dermatophytes.* I. In vitro studies [Mycotic dermatitis, control]. 024561

DERMESTES
The distribution of the larvae of *Dermestes* **maculatus** (Coleoptera: Dermestidae) in a radial temperature gradient [Dried fish pest]. 028973
The effects of salt treatment of fish on the developmental biology of *Dermestes* **maculatus** (Coleoptera, Dermestidae) and Necrobia rufipes (Cleridae). 028974

DERMESTIDAE
The **American** *dermestid* beetle [Reesa vespulae], a pest [of zoological and botanical] museums. 028651
The effects of salt treatment of fish on the developmental biology of Dermestes maculatus (Coleoptera, *Dermestidae)* and **Necrobia** rufipes (Cleridae). 028974
The distribution of the larvae of Dermestes maculatus (Coleoptera: *Dermestidae)* in a **radial** temperature gradient [Dried fish pest]. 028973

DERMOID
Dermoid **cystectomy** on nictitating membrane in a Hariana bull calf. 024316

DESERTS
Size-biomass relationships of several **Chihuahuan** *desert* shrubs. 026359
Dietary adaptability of the *desert* **cottontail** [Grasses, forbs, shrubs]. 025911
Problems of *desert* **greenhouses.** 029881
Experiences of *desert* **improvement** in the United Arab Republic: from projects to realizations. 030597
Cytochemistry of the differentiating flight muscles of the *desert* **locust** Schistocerca gregaria. 029366
Seed treatment of **Mojave** *Desert* shrubs [to improve germination for revegetation planting]. 026354
Controlled-environment agriculture [systems] in *desert* **regions** [Plastic covered greenhouses]. 029873
The mycoflora of **sandy** *desert* soils covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the Repetek Reservation. 025747
Mineralogical composition of soil clays of *desert* **soils** of Hanumangarh (Rajasthan). 030313
Biological aquatic weed control by fish in the lower **Sonoran** *Desert* of California. 028501
A survey of darkling beetles [Philolithus, Stenomorpha] in *desert* **steppe** vegetation after a decade. 029533
Desert **termite** [Gnathamitermes tubiformans] control in a shortgrass prairie: effect on soil physical properties. 028727
Suggestions for a strategy of development of arid pastoral and *desert* **zones** of Tunisia. 030598

DESICCATION
Chemical *desiccation* of potato tops, a useful component in the technology of mass crop production [Harvesting aid]. 027848
Experiments and results of *desiccation* of **grass** seed crops [Defoliation]. 027539
Lophozia incisa: a curious reaction to *desiccation* **[Hepaticae].** 026428

DESORPTION
Napropamide adsorption, *desorption,* and **movement** in soils. 028620

DESSERTS
Soft **serve** *desserts:* the Midas touch. 022237

DESYNAPSIS
Effect of minerals on the chiasma frequency in *desynaptic* **pearlmillet.** 026131

DETERGENTS
Removal of *detergent* **fluorescent** whitening agents from wastewater. 030933
Determination method of digestibility of forage dry matter and cell wall constituent by artificial rumen—**neutral** *detergent* treatment. 023873
A comparison of phosphate and **non-phosphate** *detergents* in the laundering of men's shirting fabrics. 022227
New chlorophyll-b forms in a *chlorophyll-detergent* **photosynthetic** model system [Algae]. 026408

DETERIORATION
Deterioration of **aspen** [Populus tremuloides] clones in the middle Rocky Mountains [Regeneration]. 027344
Model tests on the mechanisms of **microbial** *deterioration* of filled vulcanizates. 3. Influence of soil microorganisms on the surface of natural rubber vulcanizates. 022479
Techniques and problems in the storage of Satsuma orange. 4. Effect of temperature on its **physiological** *deterioration* and susceptibility to diseases. 028317

DETOXICATION
Detoxication **mechanism** of Bombyx mori against exogenous phytoecdysone ecdysterone. 029837

DEUTERATION
On the nature of the iron sulfur cluster in a *deuterated* **algal** ferredoxin [Synechococcus lividus]. 026409

DEUTERIUM
Deuterium **isotope** effects in Nicotiana tabacum [Tobacco]. 026928
Deuterium **isotope** effects in Nicotiana tabacum [Tobacco]. 026929

DEVELOPERS
Use of full fat soybean in broiler and **pullet** *developer* diets. 023845

DEW
Effect of temperature, light, and *dew* **duration** on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. 028052
Amputation of bovine **medial** *dew* claws on hindlegs as an aid in controlling teat trauma. 024389

DEWATERING
Bioflocculation as means of improving the *dewatering* **characteristics** of activated sludges. 030566
Dewatering of **organic** sludge by pulverized coal. 030929
Sludge *dewatering* trials at Banbury. 030978

DEXAMETHASONE
Evolution of plasma progesterone at the end of pregnancy, of ewe bearing a hypophysectomised fetus. Effect of *dexamethasone* **administration.** 024051
Calf response to the initiation of parturition in dairy cows with *dexamethasone* or **dexamethasone** with estradiol benzoate. 024088
The expression of avian Gs antigen in mammalian Rous sarcoma virus-transformed cells after treatment with **5-iododeoxyuridine** and *dexamethasone.* 024525
Effect of foetal adrenalectomy on maternal oestrogen levels at *dexamethasone-induced* **parturition** in sheep. 024105
Lipid mobilization in rabbits. I. *Dexamethasone,* **TSH** [thyroid stimulating hormone], and GH [growth hormone]. 023632

DEXTRINS
Thermodynamic properties of **maize** *dextrin.* 022826
Graft copolymers of *dextrin* and **polyacrylamide** as filler retention aids [Production of filled bond paper]. 025486

DIABETES
Emergence of overt diabetes in offspring of rats with induced **latent** *diabetes.* 022161
Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats following isoproterenol-induced myocardial infarction with **superimposed** *diabetes.* 022162

DIABROTICA
Evaluation of commercial corn hybrids for tolerance to corn **rotworm** *[Diabrotica].* 028729
Southern corn rootworm *[Diabrotica* **undecimpunctata** howardi]eggs in soybean fields. 028741

DIACETATE
Hydroquinone *diacetate* from Rhynchosia minima. 026741

DIACRISIA
Effect of certain vegetables on the larval development of *Diacrisia* **obliqua** Walker (Lepidoptera: Arctiidae). 028861

DIAGNOSIS
Heart disease in dogs, 10 years of *diagnostic* **activity** at the Institute of Veterinary Physiology. 024902
Ultrasonic double technique as a *diagnostic* **aid** in veterinary gynecology and obstetrics with special regard to new techniques and its resulting range of utilization in clinic and practice. 024231
Potato **A-virus** *diagnosis* by serological methods. 028256
Biochemical *diagnosis* of degenerative myopathy of early young cattle. Study of two cases observed in a Lyons slaughterhouse. 024831
A revision of the genus Heterococcus Ferris with a *diagnosis* of **Brevennia** Goux (Homoptera: Coccoidea: Pseudococcidae) [New taxa]. 029498
Can the serum activity of alkaline phosphatase (AP) be used in *diagnosing* **canine** hip dysplasia? 024875
Pseudopodzolization and its *diagnosis* by the **composition** and distribution of free forms of iron (as exemplified by the soils of the Far-Eastern Primorye). 030291
The **Cornell** *Diagnostic* Observation and Reporting System for Student Description of College Teaching [in agriculture]. 021141
Differential *diagnosis* of diarrhea in horses over six months of age. 024868
Pathological morphological variations of electrocardiogram [Dogs, heart **diseases,** *diagnosis].* 024892
Use of quill comb in the *diagnosis* of **ectoparasites** [Fleas, lice, Cheyletiella and forage mites, animals]. 029075
The first experiences in *diagnosing* **forest** power machines. 025283
The growth and development indexes of cotton and a *diagnosis* of its **high** and consistent yield. 027390
In-vivo *diagnosis* of right renal aplasia in a pekingese bitch. 024915
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary **medical** *diagnostic* techniques]. 024368
Modern views on the etiology, epidemiology, *diagnosis* and **pathology** of urinary bladder cancer [in animals]. 024863
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to **pregnancy** *diagnosis,* season, age and carcase weight. 024034
Diagnosing **pregnancy** in ewes [sheep] by rectal palpation. 024180
Laparoscopic **pregnancy** *diagnosis* and uterine fluid recovery in swine. 024209
Experiences in Great Britain on **pregnancy** *diagnosis* of cattle with help of determining milk progesterone. 024233

The *diagnostic* and **prognostic** value of lactate determinations in horses with acute abdominal crisis. 024332
Diagnosis of **reproductive** failure through gross examination of porcine reproductive tracts. 024928
Studies on **serological** *diagnosis* of Korean cattle Babesia strain by the indirect fluorescent antibody test [Babesiosis]. 024695
Localised tetanus in a dog as a wound complication; *diagnosis* and **successful** treatment. 024566
Experiences with a *diagnostic* **test** for equine cryptorchidism. 024835
Diagnosis of **three** new species of Lepidoptera Heterocera from East Africa [Imbrasia (Nudaurelia) zaodeae, Phiala bergeri, Macropoliana afarorum]. 029623
Preliminary investigations on the suitability of phloem analysis as a *diagnostic* **tool** to predict the nutritional status of Norway spruce (Picea abies Karst.). 027317
A note on *diagnosis* and **treatment** of subclinical mastitis in buffaloes. 024558
Recommendations on canine hip dysplasia: *diagnosis,* **treatment** and genetic selection. 024900
Zinc dificiency in Utah field corn—its *diagnosis* and **treatment.** 028454

DIALLELS
Breeding implications from a *diallel* **analysis** in two environments of yield and component characters in Upland cotton (Gossypium hirsutum). 026301
A note on Griffing's models for the *diallel* **cross** [Plant breeding]. 026188
A study of variation in fruit yield and related characters in **two** *diallels* of the lowbush blueberry, Vaccinium angustifolium Ait. 026115

DIAMINOPROPIONIC
Chemical synthesis of *nbeta-oxalyl-L-alpha,beta-diaminopropionic* **acid** and optical specificity and its neurotoxic action[Lathyrus sativus]. 026402

DIAMMONIUM
Effect of grasses fertilized with carbamide and *diammonium* **phosphate** on the chemical composition of meat and physical properties of the wool of sheep. 022715

DIAMONDS
The control of *diamond* **back** moth [Plutella xylostella] and cabbage white butterfly larvae [Pieris rapae] with phenthoate. 028887

DIANTHUS
Carnation *[Dianthus* **caryophyllus]** production timed for flowers in November-December [Hungary]. 027594
The effects of long days on the flowering of spray carnations *[Dianthus* **caryophyllus** varieties]. 027638

DIAPAUSE
Field survival of *diapausing* **Bathyplectes** curculionis, a parasite of the alfalfa weevil [Hypera postica]. 028731
Debraining and *diapause* **development** in Manduca sexta pupae. 029409
Alteration of **egg** *diapause* in Bombyx mori by ouabain injected into diapause egg producers. 029835
Further characterization of the silkworm [Bombyx mori] *diapause* **hormone** A. 029838
Allatectomy and **imaginal** *diapause* in females of Tetrix undulata (Sow.) (Orthoptera, Tetrigidae). 029260
The **imaginal** *diapause-break* in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277
Photoperiodic induction of *diapause* in the **kangaroo** tick Ornithodoros gurneyi Warburton (Acarina: Argasidae). 029022
Caste determination through a queen influence on *diapause* in **larvae** of the ant Myrmica rubra. 029327
The pattern of reactivation of *diapausing* **larvae** in the blowfly, Calliphora vicina. 029421
Elimination of **ovarian** *diapause* in pear psylla, Psylla pyricola (Homoptera: Psyllidae), in the laboratory. 028816
Susceptibility of *diapausing* **pupae** of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in *diapausing* **pupae** of Hyalophora cecropia and Samia cynthia. 029373
Juvenile hormone titre in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental **rupture** of *diapause.* 029270
Influence of genetic selection on *diapause* **termination** of the pink bollworm [Pectinophora gossypiella]. 028708
Diapause **termination** in two species of damselflies [Enallagma hageni, Enallagma aspersum]. 029410

DIAPHRAGM
Surgical repair of *diaphragmatic* **hernia** in a horse. 024856
Diaphragm **myopathia** in Meuse-Rhine-Ijssel cattle [Decifiency diseases]. 024910
Electrical activity of phrenic nerve and *diaphragm* in **utero** [Pregnant ewes]. 024096

DIAPORTHE
Diaporthe **phaseolorum** var. Sojae (Lehman) Wehmeyer. Effect of some fungicides on spore germination of Diaporthe phaseolorum var. sojae (Lehman) Wehmeyer. 028084

DIAPREPES
Development of *Diaprepes* **abbreviatus** [pest of sugarcane andcitrus] on potted citrus seedlings [in Florida]. 028858

DIAPRIIDAE
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: *Diapriidae)* to **subfreezing** temperatures. 028854

DIARRHEA
Neonatal **calf** *diarrhoea:* identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and immune relectron microscopy. 024477
Immunological relationships between two strains of mucosal **disease/virus** *diarrhea* virus [Calves]. 024410
Treatment of *diarrhea* in the **horse.** 024871
Differential diagnosis of *diarrhea* in **horses** over six months of age. 024868
Immunization against mucosal disease—bovine **viral** *diarrhea* (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409
Investigation on the immunogenity of concentrated ethanol saponin vaccine against mucosal disease—bovine **viral** *diarrhea.* 024411

DIASPIDIDAE
Camellia mining scale Duplaspidiotus claviger (Cockerell) *(Diaspididae:* **Homoptera).** 028811
Descriptions of first and second instars of Praecocaspis diversa Ferris **(Homoptera:** *Diaspididae).* 029216
The horii-group of Fiorinia associated with rhododendrons in East Asia (Homoptera: Coccoidea: *Diaspididae)* **[New** taxa]. 029599

DIASTASE
A rapid method for determining the *diastase* **activity** in honey. 022485

DIATOMACEAE
The abundance of *diatoms* **[Algae]** in the southwestern nearshore region of Lake Ontario during the spring thermal bar period. 025919
Alkaline and acid phosphatases of the **marine** *diatoms* Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) Cleve [Algae]. 026640
Further study of *diatoms* in some **present** or quaternary, hydrothermal and lacustrine carbonate sedimentation from central Afghanistan. 025650

DIATOMS
Navicula fucicola sp. Nov., a *diatom* **living** in the apical slit of Fucus vesiculosus L. (Phaeophyceae) [Algae]. 025815
Partitioning of nitrogen and carbon in cultures of the **marine** *diatom* Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. 026668
Cell division in the **pennate** *diatom* Diatoma vulgare [Algae]. 026817
Planktonic *diatom* fluctuations in a Northern Arizona Mountain Lake. 026834

DIAZINON
Diazinon, **azinphosmethyl,** cyanophos, phoxim, and mocap. 029121
Toxicity of carbaryl and *diazinon* to **gypsy** moth [Porthetriadispar] larvae: changes in relation to larval growth. 028665
Toxic effects of *diazinon* **[insecticide]** on the gonads of fowls. 025008

DIBROMIDE
Comparison of toxicity between organophosphorus toxicants and **ethylene** *dibromide,* alone and in combination, to Monochamus alternatus Hope (Coleoptera: Cerambycidae. I. The. 028949

DICHANTHIUM
Short-term effect of seasonal burning on the composition of *Dichanthium* **annulatum** stands at Varanasi. 025922
Chloroplast fluorescence of C4 [carbon] plants. II. A photographic technique for obtaining relative fluorescence yields and spectra photographically *[Dichanthium* **annulatum].** 026802

DICHLORIDE
Microbiocidal activities of some amide complexes of **diphenyltin** *dichloride* [Fungi, bacteria]. 027947

DICHLOROBENZONITRILE
Conversion of **alpha[15N]amino-2,6-dichlorobenzaldoxime** *into[15N]2,6-dichlorobenzonitrile* [nitrogen isotope] by a soil culture [of microorganisms; phytotoxicity assay with wheat seedlings]. 028536

DICHLOROETHYLENE
The metabolism of p,p'-DDE **[dichlorodiphenyl** *dichloroethylene]* in laying Japanese quail and their incubated eggs. 024946
Blood calcium levels and the mechanism of DDE **[dichlorodiphenyl** *dichloroethylene]-induced* eggshell thinning [Doves, ducks]. 024950
The toxicity of DDE **[dichlorodiphenyl** *dichloroethylene]* to a marine dinoflagellate [Exuviella baltica, algae]. 029095

DICHLOROPHENOXYACETATE
Differentiated doses of *2,4-dichlorophenoxyacetic* **acid** [on millet]. 028628

DICHROISM
Catalysis by serine proteases and their zymogens. A study of acyl intermediates by **circular** *dichroism* [Aspergillus oryzae, fungi]. 026401
Circular *dichroism* studies of myoglobin and leghemoglobin [Soybeans]. 026910
A **linear** *dichroism* study using chloroplasts of various structure and pigment composition [Maize]. 027001

DICOTYLEDONS
Effect of strong shock waves on *dicotyledon* **seeds** [Turnip, Anethum graveolens, cucumber, radishes]. 027166

DICTYOCAULUS
Pathogenicity for cattle of *Dictyocaulus* **filaria,** the pathogen of lungworm infestation in sheep. 024772
Effects of KC1 [potassium vhloride] on the growth of pre-infective stage of *Dictyocaulus* **viviparus** larvae. 024487

DICTYOPTERA
Experimental investigation of the circadian locomotor activity of Blattella germanica L. *(Dictyoptera,* **Blattellidae).** 029256
Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea **maderae** *(Dictyoptera,* Blattidae) crossing of the gut wall. 028991

DICTYOSTELIUM
Spindle and kinetochore morphology of *Dictyostelium* **discoideum** [Fungi]. 026022
Genetic control of development of the cellular slime mold, *Dictyostelium* **discoideum.** 026086
Evidence for a sex hormone in *Dictyostelium* **discoideum** [fungi]. 026192
Cell contact mediated differentiation in *Dictyostelium* **[discoideum].** 026534
Dictyostelium **[discoideum,** cellular slime mold] aggregate-less mutant plasma membranes. 026559
Structural organization and processing of the genetic transcript in the cellular slime **mold** *Dictyostelium* discoideum. 026149
Morphogenesis in the slime **mold** *Dictyostelium* discoideum. 1. The accumulation and erasure of "morphogenetic information. 026535
Signal input for a chemotactic response in the cellular slime **mold** *dictyostelium* discoideum. 026814

DIDYMELLA
Seasonal fluctuations in ascospore concentrations of *Didymella* **applanata** in relation to raspberry blur blight incidence. 027901

DIEBACK
Effects of benomyl on **Camellia** *dieback* (Glomerella cingulata). 027895
Production and dispersal of ascospores of Eutypa armeniacaein California **[Cytosporina** *dieback,* apricots]. 028059
Susceptibility of apricot tree pruning wounds to infection by Eutypa armeniacae **[Cytosporina** *dieback].* 028062
The role of fungi of the genus Cytospora Fr. In the *dieback* of **stone** fruits in the Crimea. 028029

DIELDRIN
Dieldrin and **DDT** in the tissues of mice fed aldrin and DDT for seven generations. 024940
Dieldrin and **DDT:** accumulation from water and food by lake trout (Salvelinus namaycush) in the laboratory. 029155
Heptachlor and *dieldrin* **[insecticides]** disappearance from a field soil measured by annual residue determinations. 029109
Medical and toxicological research on *dieldrin* and **related** compounds. 029096
Recent developments in the use of aldrin, *dieldrin* and 2,4,5-T **[trichlorophenoxyacetic** acid] in the USA [Legislation]. 021788
Aldrin and *dieldrin* **uptake** in insecticide-resistant and susceptible mosquitofish (Gambusia affinis). 029085

DIELECTRIC
Dielectric **properties** of wood and hardboard: variation with temperature, frequency, moisture content, and grain orientation. 025531

DIELS
Alkaloids of Cocculus pendulus **(Forsk)** *Diels.* 026840

DIENES

Mode of formation of *cholesta-5,7-dien-3beta-ol* from **cholest-5-en-3beta-ol** by larvae of Calliphora erythrocephala. 029251

Synthesis of *trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene* **(Propylur)**, sex attractant of the cotton moth [Pectinophora gossypiella, control]. 028795

Oxymercuration-demercuration and hydroboration-oxidation of *endo-tricyclo[5.2.2.02,6]undeca-3,8-diene.* **Stereospecific** oxymercuration leading to the 4-exo-hydroxy derivative [Plant-hormonal properties]. 026652

DIETHYL

Control of Pratylenchus brachyurus in rough lemon seedlingswith **Dowco** 275 *(diethyl-fluoropyridyl-phosphorothioate.* 028406

Metabolism of isoxathion, *O,O-diethyl* **O-(5-phenyl-3-isoxazolyl)-phosphorothionate** in plants [beans, cabbage, Chinese cabbage]. 027099

DIETHYLAMIDE

The effects of lysergic **acid** *diethylamide* on the response to field stimulaton of the rat vas deferens and the rat and cat anococcygeus muscles. 023333

DIETHYLSTILBESTROL

Implanting calves for added pounds and profit *[Diethylstilbestrol,* **growth].** 023648

Effects of ration protein level and *diethylstilbestrol* **implants** on early-weaned beef bulls. 023763

Dairy beef production as influenced by sex, protein **level** and *diethylstilbestrol.* 023758

DIETS

Dietary **adaptability** of the desert cottontail [Grasses, forbs, shrubs]. 025911

Hepatoma, host liver, and normal rat liver phospholipids as **affected** by *diet* 022152

The A.D.A. [**American** *Dietetic* Association] registration examination. 022130

Position paper on recommended salaries and employment practices for members of the **American** *Dietetic* Association. 022270

Effect of *dietary* **amino** acid imbalance on rat liver protein and DNA. 022202

A modified technique for rearing of the pea aphid [Acyrthosiphon pisum] on **artificial** *diets.* 029324

Coconut fat in the *diet* **[Atherosclerosis].** 022207

Effect of protein concentration in the *diet* on **blood** composition and productivity of lactating Holstein cows under thermal stress. 023750

The replacement of some of the soybean meal by the first-limiting amino acids in practical **broiler** *diets.* 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715

The effects of *dietary* **calcium** and phosphorus on the retention and excretion of lead in rats. 022059

Dietary **caloric** density and caloric utilization by pigs. 023888

The role of *dietary* **carbohydrates** in plaque formation and oral disease. 022187

Copper requirement of baby pigs on **casein** *diets.* 023887

Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, *dietary* **choice** and plasma acid patterns. 023716

The cockerel as an animal model for atherosclerosis research **[Cholesterol** *diet].* 021991

Inducibility of mucosal drug-metabolizing enzymes of rats fed on a **cholesterol-rich** *diet* by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194

Economic aspects of use of **complete** *diets* in milk production [Costs]. 021408

Gastrointestinal gas production in rats fed on *diets* **containing** germinated legumes [Greengram, chickpea and cowpea]. 022183

Culturing larvae of blister beetles [Nemognatha] on *diets* **containing** different pollens collected by honeybees [Apis mellifera]. 029810

Tolerance of ponies to high levels of *dietary* **copper** [Toxiceffects]. 024967

Evaluation of feedstuffs in the field of nutrition and *dietetics* in **Czechoslovakia** in 1970-1974. 023078

Nutrient content of mule **deer** *diets* [Forage] from ponderosapine range. 026987

Vitamin E and sex behavior in mice *[Dietary* **deficiency].** 022175

Use of full fat soybean in broiler and pullet **developer** *diets.* 023845

Diet **dining** - must it stay deadly dull? 022296

Cholesterol content and fatty acid composition in egg yolks and blood plasma of poultry *[Dietary* **effects].** 023717

Metabolizable *[dietary]* **energy** determinations with adult chickens. 023822

Protection against zinc deficienc by prior **excess** *dietary* zinc in young Japanese quail. 022142

Performance of individually fed bulls and steers *[Dietary* **fat].** 023636

Modifications of platelet functions by *dietary* **fats.** 021990

Effect of *diet* on **fatty** acids in the lipoprotein cholesteryl esters of type IIa and normal individuals. 022150

The effect of *dietary* **fatty** acids on fatty acid distribution of lipids in neck adipose pads and superficial pectoral muscle of chicks. 023783

Hydrocyanic (HCN) toxicity in broilers **fed** *diets* contaning cassava. 024987

Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), **fed** *diets* containing graded levels of an amino acid mixture. 029313

Stability of oxytetracycline in *diets* **fed** to honeybee [Apismellifera] colonies for disease control [American foulbrood, European foulbrood]. 029841

Comparison of the nutritional status of pregnant adolescents with adult pregnant women. II. Anthropometric and *dietary* **findings.** 021997

The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler **finisher** *diets* on fat deposition in the carcass. 023715

Effects of conventional food and of **formula** *diet* on gut microflora. 022171

Alternate sources of protein for Heliothis zea wheat **germ** *diet.* 028706

Fat source and vitamin E level of sow **gestation** *diets:* effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818

Choline in the sow **gestation-lactation** *diet.* 023886

A comparison of vitreous and soft endosperm high-lysine and common maize in *diets* for **growing** rats and pigs. 023755

Influence of cooking upon the nutritive value of potato and maize in *diets* for **growing** pigs. 023777

The effect of **high** *dietary* sodium chloride on renal function in chicks. 023713

Fruits and vegetables in **human** *diet.* 022090

Relationships between fatty acid composition of lamb fat and *dietary* **ingredients.** 022670

Interactions of *dietary* **iron** and manganese in growing rats. 023953

Long-lived radionuclides in food: 90Sr and 137Cs [strontium and cesium isotopes] in the **Israel** *diet.* 021875

Integrating the **Jewish** *dietary* laws into a dietetics program. 022290

Labeling *diet* beer according to the diet ordinance. 021696

Increased sensitivity to pentobarbital in rats fed a *diet* **lacking** flavonoids. 022084

Effect of *diets* **low** in calcium and phosphorus on the development of growing lambs. 023749

A comparison of the effects of two **low-calcium** *diets* on egg production in the domestic fowl. 023710

Beef production, fattening young cattle. Energy supplementation of *diets* with a **maize** silage base. 023911

Diet in the **management** of hyperlipidemic patients. 021989

The effect of *dietary* **margaric** acid on the retention of several fatty acids in chicks. 023782

The transference of *dietary* **mercury** to the eggs in chickens. 023931

Cholesterol esterification and lipids in plasma and liver from newborn and young guinea pigs raised on milk and **non-milk** *diet.* 022170

Labeling diet beer according to the *diet* **ordinance.** 021696

Functions of *dietetic* **personnel** in ambulatory care. 022123

Periodontopathy in the dog due to lack of calcium and excess of **phosphorus** in the *diet.* 024934

Determination of the *diet* of **phytaphagous** animals based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Application to food selection by Orthoptera, Acrididiida. 029263

Determination of the *diet* of **phytophagous** animals, based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of silica bodies based on scanning. 025883

Amino acid content and digestible energy value of sprouted, rust-affected and sound wheat in **pig** *diets.* 023015

L-lysine and DL-methionine supplements in barley-soy **pig** *diets.* 023864

Waxy vs normal barley in rat and **pig** *diets.* 023868

Palm kernel meal as the major protein concentrate in the *diets* of **pigs** in the tropics. 023778

Manioc leaf meal in **poultry** *diets.* 023722

Development of **poultry** *diets* which do not compete with human food resources. 023809

Near possibility of reducing cereal grains in **poultry** *diets-a* review. 023812

Relationship between *diet* during **pregnancy** and nutritional status of the new born [child]. 022110

Supplementary value of leaf protein and groundnut meal in the *diet* of **preschool** children. 022112

Integrating the Jewish dietary laws into a *dietetics* **program.** 022290

Fermented lactic acid products and their *dietetic* **properties:** yoghurt, bioghurt and biogarde. 022581

Fermented lactic acid products and their *dietetic* **properties:** yoghurt, bioghurt and biogarde. 022582

Effect of different *dietary* **protein** intake on urinary creatinine excretion in **adults.** 022107

Effects of low and high **protein** *diets* on the induction of microsomal drug-metabolizing enzymes in rat liver. 022136

Effects of quantity and quality of *dietary* **protein** and variation in certain enzyme activities on glucose metabolism in the rat. 022137

Effect of glucose and Fructose in the **protein-repletion** *diet* fed after protein-depletion on some blood constituents of rats. 021993

Influence of carbohydrate-free **protein-rich** *diet* on free alpha-amino nitrogen changes in plasma, erythrocytes and leucocytes [Rats]. 022172

Complementary and supplementary value of peanut protein to rice when fed to weanling **rats** *[Diet].* 022178

The **recommended** *dietary* allowances for ascorbic acid. 022048

Dietary **requirements** of pregnant women. 022188

Enzymatic determination of the indigestible **residue** *(dietary* fibre) content of human food. 022146

Nutritional adequacy of *diets* of a **selected** group of low-income women: identification of some related factors. 022102

Veterinary activities in the field of nutrition and *dietetics* in **Slovakia** in 1971-1974. 023940

The performance of male ducklings given **starter** *diets* with different concentrations of energy and protein. 023714

The *dietary* **status** of new vegetarians. 022131

The response of growing rats to a *diet* **supplemented** with the antibiotic ampicillin. 023786

Myofibrillar protein turnover and urinary Ntau-methylhistidine output. Response to *dietary* **supply** of protein and energy[Rats]. 023704

A *dietary* **survey** of older people in Edinburgh. 022056

The effects of tolbutamide on the development of atherosclerosis in rhesus monkeys fed an average American **table-prepared** *diet.* 021992

Food intake regulation in pigs. IV. The influence of *dietary* **threonine** imbalance on food intake, dietary choice and plasma acid patterns. 023716

Pesticide residues in **Total** *Diet* samples. VIII. 029153

Effects of *dietary* **triglyceride** on the properties and lipid composition of plasma lipoproteins: acute experiments in rats fed safflower oil. 022151

Dietary **value** of cubes in equine nutrition [Horses]. 023775

Vegetarian *diets.* 022088

Influence of *dietary* **vitamin** E. 022197

Dietary **vitamin** E level, performance, tissue selenium and selenium balance in growing-finishing swine. 023889

Play it smart, eat a **well-balanced** *diet.* 022098

Effect on subsequent feedlot performance of rotating or **withdrawing** *dietary* antibiotics from swine growing and finishing rations. 023762

DIFFUSION

Arsenical *diffusion* treatment of Eucalyptus diversicolor rail sleepers. 025361

Detection on nuclear polyhedrosis virus infection in Heliothis spp. by **agar gell double** *diffusion.* 029423

The **mass** *diffusion* of three organophosphate insecticides into a range of New Zealand soils. 029160

Measurement of hydraulic conductivity and *diffusivity* for **predicting** the process of soil water infiltration from a trickle source. 030386

Diffusion of **regain** in bulk wool. 9. Restrictive influence of a cardboard container. 022696

DIGESTION

Digestion, **absorption** and utilization of nutrients in poultry. 023810

Digestion and **absorption** of carbohydrates in Odontotermes obesus (Isoptera: Termitidae). 029329

Nitrification of **[anaerobically** *digested]* sewage sludge [in soil] using miscible displacement and perfusion techniques. 030822

Apparent *digestibility* of the amino acids of sunflower and sesame seed meals in laying hens. 023924

The development of ruminant digestion in the calf. I. The *digestion* of **barley** and soya bean meal. 023697

Carbohydrate *digestion* and absorption in the equine small intestine [Horses]. 023560

Hay preservation and quality improvement by anhydrous ammonia treatment *[Digestibility,* **cattle].** 023012

Evaluation of nutritive value of haylage and cereal haylage **[Composition,** *digestibility].* 023082

The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, *digestibility* of **dry** matter and feed nutrients and blood metabolites [Dairy cows]. 023774

Amino acid content and *digestible* **energy** value of sprouted, rust-affected and sound wheat in pig diets. 023015

Physiology of digestion. I. PH [hydrogen-ion concentration] and *digestive* **enzymes** in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444

Estimating *digestible* energy from chemical analyses [Feeds, sheep, swine, rabbits]. 023860

The importance and routine evaluation of the *digestibility* of **feeds.** 023011

Nitrogen metabolism and *digestibility* of **feeds** in Thornber hybrid and Belgian Landrace swine. 023912

Determination of optimum harvesting time of forage plants according to **fodder** *digestibility.* 027538

Determination method of *digestibility* of **forage** dry matter and cell wall constituent by artificial rumen—neutral detergent treatment. 023873

Digestibility of **grain** sorghum stover and wheat straw supplemented with NPN [non-protein nitrogen, cattle]. 023857

Physiology of *digestion.* I. PH **[hydrogen-ion** concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444

The *digestion* of the **lipids** of processed red clover herbage by sheep. 023779
Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and molar proportion of volatile fatty acids, and dry **matter** *digestibility.* 023781
Digestible, **metabolizable** and net energy values of corn grain and dehydrated alfalfa in sheep. 023759
Chemical composition and in vitro **nutrient** *digestibility* of some of the tree leaves. 023037
Studies on the nutritive value of swine feed. II. Determining the *digestibility* of **nutrients** in some concentrates with swine. 023880
Effects of different systems of alfalfa preservation on the ingestion, *digestibility* and **passage** speed of feed residues in adult sheep. 023919
Digestive **physiology** of the horse. 023561
Rice bran composition and *digestibility* by the **pig.** 023865
Osmotic shock as a prerequisite to **pollen** *digestion* in the alimentary tract of the worker honeybee [Apis mellifera]. 029820
Protein *digestibility* and lysine availability in alfalfa meal and alfalfa protein concentrate [Japanese quail, rats]. 023802
The development of **ruminant** *digestion* in the calf. I. The digestion of barley and soya bean meal. 023697
A comparison of some chemical and physical properties of alkali lignins from grass and lucerne hays before and after *digestion* by **sheep.** 023776
Effect of forage-to-concentrate ratio in complete feeds and feed intake on *digestion* of **starch** by dairy cows. 023766
The practice of the direct isotopic dilution method of determining the sucrose content in **sugarbeet** *digestion* liquids. 022857
Digestibility and **volatile** fatty acids in steers and wethers at 21 and 32 Celsius ambient temperature. 023506
The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of *digestion* and **voluntary** intake of dried grass in sheep. 023708

DIGGERS
Potato harvesting and storage: results and information on the operation of the E684 *digger* and **loader** and the E691 stationary automatic separator [East Germany]. 030009

DIGGING
Effect of time of *digging* on **incidence** of Fusarium [basal] rot in tulip bulbs. 027877

DIGITAL
Geology and forestry classification from ERTS [Earth Resources Technology **Satellite**]-1 *digital* data. 030280

DIGITALIS
Spectrophotometric method of analyzing *[Digitalis]* **cardenolides** of the strophanthidin group with 2,2',4,4'-tetranitrobiphenyl. 026497
Two new anthraquinones from the roots of *Digitalis* **orientalis.** 026770
Bleaching of chlorophyll by digitoxin *[Digitalis* **purpurea].** 026861

DIGITARIA
Inhibition of phosphoenolpyruvate carboxylase from C4 [cárbon] plants by malate and aspartate *[Digitaria* **sanguinalis].** 026447

DIGITOXIN
Bleaching of chlorophyll by *digitoxin* **[Digitalis** purpurea]. 026861

DIHYDRATE
The crystal and molecular structure of ethyl chlorophyllide b *dihydrate* at -153 **degrees** [Ailanthus altissima]. 026621
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a *dihydrate.* A **model** for the different spectral forms of chlorophyll a [Ailanthus altissima]. 026620

DIKETONES
Beta-diketones in **Rhododendron** waxes. 027239

DILACTONE
X-ray determination of the structure of podolide, an Antileukemic **norditerpene** *dilactone* [Podocarpus gracilior]. 026636

DILATION
An unusual case of *dilatation* of the **esophagus** in a cat [Lymphosarcomas, feline leukemia virus]. 024367
Arterial elastic tissue and collagen in experimental **poststenotic** *dilatation* in dogs. 023402

DILLENIACEAE
Pollination of Hibbertia **hypericoides** *(Dilleniaceae)* and its evolutionary significance. 026651

DILUTION
Washing of pulps. 3. Transfer rates of dissolved sodium andlignin from pulps in a *dilute,* **agitated** suspension. 025498
The practice of the direct **isotopic** *dilution* method of determining the sucrose content in sugarbeet digestion liquids. 022857
Comparison of single- and **two-phase** *dilution* of boar semen and its effect on pregnancy rate. 024279

DIMER
Repair of UV [ultraviolet]-induced DNA damage and survival in yeast [Saccharomyces cerevisiae]. I. *Dimer* **excision.** 026226
The structures of C17 [carbon **isotope]-obtusilactone** *dimer* and two C21-obtusilactones [Lindera obtusiloba]. 026851
Repair of **pyrimidine** *dimers* in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. 026650

DIMETHOATE
Centromeric sensitivity of mouse chromosomes to the systemic **insecticide** *dimethoate* (Rogor). 024949

DIMETHYL
Isolation and structure of *1-hydroxy-7-methoxy-4-isopropyl-1,6-dimethyl-2(1H)-naphthalenone* from **cotton.** 026982
The synthesis of *dimethyl* **esters** of dl-O,O'-dimethylfukiic acid and dl-O,O'-dimethylepifukiic acid [Petasites japonicus]. 026352
Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel total synthesis of **olivacine** *(1,5-dimethyl6H-pyrido[4,3-b]-carbazole)* [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. 026634

DIMETHYLAMINE
Some like it cold [Weed control, *4-chloro-5-(dimethylamino)-2-phenyl-3* **(2H)-pyridazinone].** 028488

DINITROPHENOL
Effect of *2,4-dinitrophenol* and **ATP** [adenosine triphosphate] on uptake, translocation and distribution of 32P [phosphorus isotope] in cotton plants under different light conditions. 026945

DINITROPHENYL
Structural and thermodynamic basis of affinity in *anti-dinitrophenyl* **[Rabbits,** goats, guinea pigs] antibody. 024462

DINNERS
Instead of a **chicken** *dinner* [Land utilization]. 021184
Convenience and the cost of **plate** *dinners* and skillet main dishes. 021882

DINOFLAGELLATA
Isolation and characterization of *dinoflagellate* and **chrysophyte** cytochrome-f (553-4) [Algae]. 026743
Fossil *dinoflagellates:* index to genera and species. Supplement 1. [Paleobotany]. 025660
The toxicity of DDE [dichlorodiphenyl dichloroethylene] to a **marine** *dinoflagellate* [Exuviella baltica, algae]. 029095
Dinoflagellate **phototaxis:** pigment system and circadian rhythm as related to diurnal migration [Algae]. 026586

DINUCLEOTIDES
Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide **adenine** *dinucleotide* phosphate, nicotinamide adenine dinucleotide]. 023483
Photoactivation of NAD [nicotinamide **adenine** *dinucleotide]* kinase through phytochrome [from Avena coleoptiles]. 026790
Purification of NADH [nicotinamide **adenine** *dinucleotide* phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791
Regulatory properties of reduced **nicotinamide-adenine** *dinucleotide* phosphate on a glutamate dehydrogenase from Neurospora crassa [Fungi]. 026612

DIOL
The role of (25S)-5alpha-cholestan-3beta,26-diol and *(25S)-5alpha-furostan-3beta,26-diol* in the **biosynthesis** of tomatidine and neotigogenin [in tomatoes]. 027257
A methionine substitute: *4-methylthiobutane-1,2-diol* **[Nutritive** value, chicks]. 023747
A note on the laboratory evaluation of *2-bromo-2-nitropropane-1,3-diol* as a **potential** silage additive. 023047
The role of *(25S)-5alpha-cholestan-3beta,26-diol* and **(25S)-5alpha-furostan-3beta,26-diol** in the biosynthesis of tomatidine and neotigogenin [in tomatoes]. 027257

DIONES
A convenient biological synthesis of 19-hydroxy[4-14C] **[carbon** *isotope]4-androstene-3,17-dione* from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505
Syntheses of *hexahydroindole-2,6-diones* and **15,16-dimethoxyerythrinane-3,8-dione** [Erythrina]. 026519
A convenient biological synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from *[4-14C]4-androstene-3,17-dione* with **sow** ovarian 19-hydroxylase. 023505

DIORYCTRIA
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, *Dioryctria,* **Laspeyresia].** 028938

DIOSCOREA
Comparative study of the chemical constituents of edible and saponin **bearing** *Dioscorea* tubers. 027180
Bitterness of *Dioscorea* **cayenensis** [Yams]. 022916
The structure of saponins from rhizomes of *Dioscorea* **deltoidea** Wall. 026430
Propagation of *Dioscorea* **floribunda** from in vitro culture of single-node stem segments [Culture]. 027730
Initiation of primary thickening meristem in *Dioscorea* **glabra** Roxb. 026531
Rust on **liana** *Dioscorea* nipponica Makino. 028023
A new spirostanol, 19-hydroxyyonogenin, from the aerial parts of *Dioscorea* **tokoro** Makino. 026511
Particulate properties and rheology of pregelled **yam** *(Dioscorea* rotundata) products. 022934
A study in the prefermentation process to increase the yield of steroidal diosgenin and the multipurpose usage of starch from the tubers of *Dioscorea* **zingiberensis** [Yams]. 022886

DIOSGENIN
A study in the prefermentation process to increase the yield of **steroidal** *diosgenin* and the multipurpose usage of starch from the tubers of Dioscorea zingiberensis [Yams]. 022886

DIOSPYROS
Studies on the canning of non-astringent persimmon (Buyu: *Diospyros* **kaki.** L.) produced in Korea. 022975

DIOXIDE
The use of **carbon** *dioxide* as a cryogenic gas [Food freezing]. 022469
Bacterial contamination of beet stored in an atmosphere with **carbon** *dioxide.* 022714
Direct PCO2 **[carbon** *dioxide* partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. Dry weight loss and CO2 **[carbon** *dioxide]* evolution of decaying wood. 025429
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 **[carbon** *dioxide]-concentration* and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Interrelations between sulphur dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 **[carbon** *dioxide]* concentrations in air. 026700
Reduction of oxygen by the electron transport chain of [spinach] chloroplasts during assimilation of **carbon** *dioxide.* 027140
Interpretation of the transitory **carbon** *dioxide* emission by apple tissues (transition effect) observed after a change in temperature. 027151
Specific increase, by X-rays, of dark **carbon** *dioxide* outputfrom leaves of Pelargonium zonale L. 027153
Effect of gibberellic acid, kinetin, and ethylene plus **carbon** *dioxide* on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). 027268
Enhancement of CO2 **[carbon** *dioxide]* gas exchange in the leaves of Convallaria majalis L., its action spectrum and light saturation. 027275
CO2 **[carbon** *dioxide]* storage in Eucalyptus oil glands: a hypothesis disproved. 027304
Effects of CO2 **[carbon** *dioxide]* nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
The effects of CO2 **[carbon** *dioxide]* concentration on the canopy photosynthesis and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
CO2 **[carbon** *dioxide]* nutrition of spring cucumbers in the Netherlands [Leaf injury]. 028299
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to germinating grain and to **carbon** *dioxide.* 029290
Simple designs of gas sampling in field soils and measuring contents of **carbon** *dioxide* and oxygen. 030227
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and **[14C]carbon** *dioxide* into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
The influence of **sulfur** *dioxide* and hydrogen fluoride on free amino acids of spruce [Picea abies]. 025025
Histological responses of Japanese red pine [Pinus densiflora] needles exposed to **sulfur** *dioxide* [Injury]. 025037
Sulfur *dioxide* and material damage [Air pollution]. 030925
Experimental technique allowing for the study of the incidence on vegetation of **sulfur** *dioxide* pollutants applied continuously and at subnecrotic doses. 030946
Interrelations between **sulphur** *dioxide* pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Influnce of SO2 **[sulphur** *dioxide]* on the vitamine content of plants [Tomato, pea, lettuce]. 027115

DIOXINS
A comparison of analytical methods for *chlorodibenzo-p-dioxins* **[contamination]** in pentachlorophenol. 029104
Evaluation: *2,3,7,8-tetrachlorodibenzo-p-dioxin* **[Herbicide** residues]. 029130

DIPETALONEMA
The mechanism controlling the crossing of the vector's stomach wall by **microfilariae** *(Dipetalonema* desae-Aedes aegypti). 029278

DIPHOSPHATE
The transfer of mannose to **dolichol** *diphosphate* oligosaccharides in pig liver endoplasmic reticulum. 023294
Evolution in the genus Avena: inheritance of different forms of **ribulose** *diphosphate* carboxylase [Oats]. 026121
Uridine *diphosphate* glucose synthase from calf liver: determinants of enzyme activity in vitro. 023307

DIPLOIDS
Meiotic pairing between single chromosomes of *diploid* **Agropyron** elongatum and decaploid Agropyron elongatum in Triticum aestivum [Wheat]. 026124
A comparative study of the pollen of *diploid* and **autotetraploid** forms of species of Onobrychis L. [Sainfoin]. 026136
DNA content of spermatids and spermatozoa of haploid and *diploid* **drone** honeybees [Apis mellifera]. 029814
Genic balance, heterozygosity and inheritance of size of testes in *diploid* **drone** honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
Spermatogenesis in *diploid* **drones** of the honeybee [Apis mellifera]. 029828
Selection with truncation in autotetraploids comparison with *diploids* **[Forage** plants]. 026305
Inter- and intraspecific relationship between two native **Greek** *diploid* Aegilops species by esterase electrophoresis. 025609
Isolation and haploidization of **heterozygous** *diploid* strains in a species of Humicola [Soil fungi]. 026201
Cladistic analysis of the *diploid* and **hexaploid** oats (Avena, Poaceae) using numerical techniques. 025658
Cladistic analysis of the *diploid* and **hexaploid** oats (Avena, Poaceae) using numerical techniques. 026106
Tests for association of gene frequencies at several loci in random **mating** *diploid* populations [Animal genetics]. 024040
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] *diploids* **obtained** from crossing [rho+] to a neutral petite [Yeasts]. 026125
The inheritance of three mechanisms of diplandroid (2n pollen) formation in *diploid* **potatoes.** 026164
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with **subcultured** *diploid* embryonic cells of Drosophila [melanogaster]. 029317
Studies on the intraindividual and interindividual variation of chromosome pairing in *diploid* and **tetraploid** rye populations. I. Intraindividual variation. 026095
Electron microscopic observations on the meiotic karyotype of *diploid* and **tetraploid** saccharomyces cerevisiae [Yeasts]. 026236
Accumulation of an adcrusting substance in the pigment strand of a *diploid* and a **tetraploid** wheat. 026922
Accumulation of an adcrusting substance in the pigment strand of a *diploid* and a **tetraploid** wheat. 026923
The effect of caffeine on survival of UV-[ultra **violet]-irradiated** *diploid* yeast [Saccharomyces cerevisiae] strains of different sensitivities. 026227

DIPLOPODA
Some *Diplopoda* from **Turkey** [New taxa]. 029684

DIPPING
Determination and significance of iodine and chlorine residues in milk after **teat** *dipping.* 021846

DIPRIONIDAE
Effects of daylength over one complete and a partial succeeding generation on development in Neodiprion sertifer (Hymenoptera: *Diprionidae)* **[Forest** pests]. 028929

DIPSACACEAE
C-glycosides of species of *Dipsacaceae.* II. **[Knautia** montana]. 026469
The effects of plant litter on germination in teasel, *Dipsacus* **sylvestris** Huds. 026360

DIPTERA
A revision of the genus Palpomyia Meigen of northeastern North **America** *(Diptera:* Ceratopogonidae). 029639
Mosquitoes of the Ryukyu **Archipelago** *(Diptera:* Culicidae). 029638
Nonoccluded viruslike particles in larvae of Culicoides **cavaticus** *(Diptera:* Ceratopogonidae). 029030
Q-, C-, and G-banding patterns in the germ-line and somatic shromosomes of Miastor sp. *(Diptera:* **Cecidomyidae).** 029301
The development of the gall midge Lasioptera arundinis (Schiner) *(Diptera,* **Cecidomyiidae)** on the common reed (Phragmites communis Trin.). 028668
Mitochondria and polarity in the egg of Smittia spec. *(Diptera,* **Chironomidae):** UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Structure and formation of egg membranes in Aedes aegypti. (L.) *(Diptera:* **Culicidae).** 029388
Population biology of a brine fly [Ephydra thermophila] *(Diptera:* **Ephydridae)** in the presence of abundant algal food. 029320
A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: Encyrtidae) from Puerto Rico parasitic on **Forcipomyia** *(Diptera:* Ceratopogonidae). 029354
Biological notes and new synonymy in **Forcipomyia** *(Diptera:* Ceratopogonidae) [parasitized by the hymenopteran genus Forcipestricis]. 029355
Ethology of Efferia **frewingi** *(Diptera:* Asilidae). 029219
The drosophila pinicola species **group** *(Diptera:* Drosophilidae). 029647
Nearctic and Palaearctic **Heterotrissocladius** *(Diptera:* Chironomidae) [New taxa]. 029548
The larval development of the warble fly Oestromyia leporina Pall. *(Diptera,* **Hyodermatidae).** 029077
Cultivation of the warbliefly Oestromyia leporina Pall. *(Diptera,* **Hypodermatidae)** and its biological prerequisites. 029076
Influence of other insects on production of horn fly, Haematobia **irritans** *(Diptera:* Muscidae), from cattle dung in south central British Columbia. 029282
A new species of Topomyia [vijayae] from Peninsular **Malaysia** *(Diptera:* Culicidae). 029633
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: *Diptera)* **[mango** blossom midge]. 029444
Notes on the genus Lygistorrhina Skuse with the description of the first nearctic species [Lygistorrhina sanctaecatharinae] *(Diptera:* **Mycetophiloidea)** [New taxa]. 029656
Studies of **Mydidae** *(Diptera)* systematics and evolution. I. A preliminary classification in subfamilies, with the descriptions of two new genera from the Oriental and and Australian regions. 029543
Studies of **Mydidae** *(Diptera)* systematics and evolution. II. Classification of the Mydinae, with description of a new genus and a revision of Ceriomydas williston. 029544
The phenology and habitat of the species of the subgenus Tipula Linnaeus in the **Netherlands** *(Diptera,* Tipulidae). 029703
Relationship between blood meal volume and ovarian development in Culex **nigripalpus** *(Diptera:* Culicidae). 029008
Blood-feeding activity of partially engorged Culex **nigripalpus** *(Diptera:* Culicidae). 029326
A new species of Enlinia [robinsoni] from **Oklahoma** *(Diptera:* Dolichopodidae). 029651
Inhibition of larval growth of Dacus **oleae** *(Diptera:* Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
Ultrastructure of Gurleya chironomi n. Sp., microsporidan parasite of the genus **Orthocladius** *(Diptera,* Chironomidae). 029486
Geographical distribution of Culicinae in Brazil. III. State of **Para** *(Diptera,* Culicidae). 029636
A revision of the nearactic species of the genus **Phronia** *(Diptera:* Mycetophilidae). 029705
Record of lunate fly, Eumerus sp. (Syrphidae: *Diptera)* on **potatoes** from India. 028831
Synchronization of function in the foregut of the blowfly Phormia **regina** *(Diptera:* Calliphoridae) during the crop-emptying process. 029289
X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, *Diptera).* **Relation** of radiation sensitivity to pronuclear chromosome structure. 029302
Visual stimuli eliciting attraction of **Rhagoletis** *pomonella(Diptera:* Tephritidae) flies to [apple] trees. 028841
New Australian **Scenopinidae** *(Diptera).* 029607
Studies on the biology of sorghum shoot flies, Atherigona spp. (Muscidae: *Diptera),* and **shoot** fly-sorghum host plant relationships. 028799
Effects of insect developmental inhibitors on adult emergence of black flies [Simulium verecundum] *(Diptera:* **Simuliidae.** II. 029002
Inversion polymorphism in natural populations of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] *(Diptera,* **Simuliidae).** 029493
A new nearctic species of Forcipomyia (Forcipomyia) [bystraki] described in all **stages** *(Diptera:* Ceratopogonidae). 029070
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) *(Diptera,* **Tachinidae)).** 029268
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of egg laying and ovarian production of Philophylla heraclei L. *(Diptera,* **Tephritidae).** 028824
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] *(Diptera:* **Tephritidae)** and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Larval habitats of Tabanus subsimilis subsimilis Bellardi in southeast **Texas** *(Diptera:* Tabanidae). 029071
The growth of larvae of Tipula oleracea Linnaeus, 1758 *(Diptera,* **Tipulidae).** 029499
Glacier brook chironomids of the Otztal Alps in **Tyrol** *(Diptera:* Chironomidae: Diamesinae). 029579

DIQUAT
Diquat (in **plants)** [Herbicide residues]. 029122

DIROFILARIA
Cerebral infarction caused by *Dirofilaria* **immitis** in three dogs. 024626
Heartworm *[Dirofilaria* **immitis]** disease with pulmonary hypertension [Dogs]. 024723
Undiagnosed dirofilariasis in a Great Dane [Dogs, heartworms, *Dirofilaria* **immitis].** 024724
Physiological basis of host susceptibility of Florida mosquitoes to *Dirofilaria* **immitis.** 029416

DIROFILARIASIS
Undiagnosed *dirofilariasis* in a Great Dane [Dogs, heartworms, Dirofilaria immitis]. 024724

DISACCHARIDES
Structural functions of taste in the sugar series: binding characteristics of *disaccharides* **[Food** products]. 022512

DISCOLOMIDAE
Parafallia johni n. Sp. From Nepal **(Coleoptera:** *Discolomidae).* 029693

DISCOLORATION
Effect of thawing and packaging material on *discoloration* of **frozen** skipjack meat [Seafood]. 022405

DISCOMYCETES
Geographical elements of the *Discomycetes* **flora** in the Kazakhstan part of the Altai. 025743
Ultrastructural study of asci: wall, apical apparatus, ascospore wall in **inoperculate** *Discomycetes* and Hysteriales [Fungi]. 026041
Study of spores of **operculate** *Discomycetes* [Fungi] under scanning electron microscope. I. Morchellaceae. 026046

DISINFECTION
Disinfection [of **agricultural** products] with methyl bromide [Residues]. 021890
Comparative evaluation of equipment for **cleaning** and *disinfection.* 030092
Disinfectant **effects** of several chemicals against Toxoplasma oocysts [Cats, chickens]. 024627
Disinfection, an **efficient** solution to avoid disease and contaminations on [livestock] farms. 024699
Equipment for **grain** *disinfection* with formaldehyde. 030164
Advice on **local** *disinfection* by injection of cattle. 024725
Disinfection of **potato** storage places. 023007
Problems of the biological **soil** *disinfection* [Gaeumannomyces graminis]. 027979
Compatibility of insecticides and a *disinfectant* **[Stomoxys** calcitrans, Musca domestica, Fannia canicularis, control]. 029024
Bacteriological control of cleaning and *disinfection* of **surface** areas [Dairy industry]. 022600

DISINFESTATION
United States potentials and problems for **insect** *disinfestation* of wheat and sprout inhibition of potatoes by irradiation. 028743

DISKS
Effect of separate parameters of an **asymmetric** *disk* tiller on the characteristics of its operation. 030132
Research on crumblers for presowing soil tillage **[Equipment,** *disks].* 030135
Distribution of mitoses and 3H [hydrogen]-thymidine incorporation in proliferating **eye** *discs* of Ephestia kuehniella Zeller. 029506
Multiphase kinetics of 3-O-methyl-D-glucose absorption by **foliar** *disks* of Pelargonium zonale (L.) Aiton. 026703
Development of complete and bisected male **genital** *disks* after transplantation, and duration of host development in Ephestia kuehniella Z. 029505
The mechanism of evagination of **imaginal** *discs* of Drosophila melanogaster. II. Studies on trypsin-accelerated evagination. 029508
The composition and protein metabolism in the immature rabbit **intervertebral** *disc.* 023364
Electrophoretical differentiation and classification of proteins. VI. *Disc-electrophoresis* and **isoelectrical** focusing of proteins and enzymes from tomatoes, cucumber, sugar-maize and onions. 023003
Application of *disk-electrophoresis* **method** to investigate tissues of silkworm [Bombyx mori] larvae infected by nuclear polyhedrosis virus. 029796
Calculating the strength of **plastic** *discs* of centrifugal spreaders of mineral fertilizers. 030156
The properties of cinnamic acid 4-hydroxylase of aged swede [rutabaga] **root** *disks.* 027256

DISMUTASE
The behavior of holo- and apo-forms of bovine **superoxide** *dismutase* at low pH [hydrogen-ion concentration]. 023656

DISPLACEMENT
Left **abomasal** *displacement,* a retrospective study of 315 cases [Dairy cattle]. 024824
Research on the familial occurrence of **leftside** *displacement* of the abomasum in cattle. 024826

Presence of *displacement* **loops** in the covalently closed circular chloroplast deoxyribonucleic acid from higher plants [Peas, maize]. 026629
Nitrification of [anaerobically digested] sewage sludge [in soil] using **miscible** *displacement* and perfusion techniques. 030822
Experimental investigation of fiber movement in the *displacement* **section** of a staple cutting machine. 022771
Displacement **washing** of packed beds of cellulose fibres. 1. Mathematical model. 025484

DISPOSAL
Mechanisms of *disposal* of **acid** and alkali in rabbit duodenum. 023220
Disposal of **agricultural** waste by controlled burning—a regulatory viewpoint [Air pollution]. 030917
Virus consideration in **land** *disposal* of sewage effluents and sludge. 030956
Improved utilization and *disposal* of **logging** residues. 025526
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot [Cattle, **manure,** *disposal].* 030823
Monitoring *disposal-well* systems [surveillance of the quality of surface and ground waters]. 030867
Edinburgh's sewage-treatment and *disposal* **scheme.** 030975
Aerobic stabiliztion of waste activated sludge: an experimental investigation **[Sewage** *disposal].* 030870
Guidelines for the *disposal* of **small** quantities of unused pesticides. 029148
An overview-wastewater **treatment** *disposal* systems utilizing land application. 030953

DISSECTION
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breed. II. On the *dissecting* **yields.** 024049

DISSEMINATION
Artificial *dissemination* and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of Lepidopterous pests of soybeans [Biological control]. 028747
Dissemination of **weed** seeds by irrigation water. 028615

DISSIPATION
Fate of microbicidal 3-isothiazolone compounds in the environment: modes and **rates** of *dissipation.* 030923

DISSOCIATION
Studies on the methyl green-DNA complex and its *dissociation* by **drugs** [Calf thymus]. 023304
Reconstitution of potato virus X in vitro. I. Properties of the *dissociated* **protein** structural subunits. 028282

DISTAL
Fractures of the *distal* **femur** in the dog and cat. 024976
Absence of estimated glomerular pressure autoregulation during **interrupted** *distal* delivery [Dogs]. 023200
Intestinal lipid absorption: evidence for an intrinsic defect of chylomicron secretion by normal **rat** *distal* intestine. 022153

DISTEMPER
Protect young **dogs** from *Distemper.* 024522
The adverse effect of environment on the response to *distemper* **vaccination** [Dogs]. 024432
Studies from the Birmingham Dogs Home. 1. The problem of resettling stray and unwanted animals. 2. The effect of *distemper* **vaccination** upon disease incidence. 024618

DISTILLATION
The composition of black acid [a semiproduct of processing **pyroligenous** *distillate]* from wood chemistry enterprises. 025339

DISTRIBUTORS
A **fertilizer** *distributor* [for plots used in plant breeding]. 026246

DISTURBANCE
Alteration of soil-forming process in Solonchak-like Solonetz soils from **artificial** *disturbance* of their profiles. 030283
Consequences of *disturbance* of **endogenous** metabolism of urea in fattened bulls. 024920
Thermal *disturbance* of water balance in wheat in models of natural weather complexes. 026951

DISULFIDES
Action of alkalis on keratinic fibers in relation to morphological structure. 1. Action of alkalis on the *disulfide* **bridge** of cystine in relation to morphological structure [Wool]. 022660
Distribution and metabolism of **thiamine** *disulfide* in rat organs. 022211

DISULFOTON
Persistence and degradation of chlorofenvinphos, chlormephos, *disulfoton,* **phorate** and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, carrot insect pests]. 028886

DITERPENES
Mass-spectrometric investigation of the **abienols**—*diterpene* alcohols [Abies]. 027314
Diterpenes from **Araucaria** angustifolia. 027332
Confirmation of the structure of calliterpenone, a *diterpene* from **Callicarpa** macrophylla. 026729

DITHIOCARBAMATES
Annotated bibliography on growth-promoting properties of *dithiocarbamate* **fungicides,** 1966-1974. 028089
Studies on potential pesticides. VI. Synthesis and insecticidal activity of several **new** *dithiocarbamates* [Musca domestica]. 029017

DITYLENCHUS
A new record of stem and bulb nematode *[Ditylenchus* **dipsaci]** in Ontario [Onions]. 028347
Control of lucerne stem nematode *[Ditylenchus* **dipsaci]** withCGA 12223 [Systemic organophosphorus insecticides]. 028423
Stem nematodes *[Ditylenchus* **dipsaci]**—their effects on plants grown with alfalfa. 028453
Stem nematode *[Ditylenchus* **dipsaci]** of the beet [Control]. 028479
The effect of prewarming, presoaking and hot water treatment on the growth of Narcissus and control of stem **eelworm** *(Ditylenchus* dipsaci (Kuhn) Filipjev). 028311

DIURETICS
Diuretics **[Drugs** used in heart diseases]. 024891
Diuretic **effect** of an extract from the roots of Phytolacca dodecandra l'Herit in the rat. 023273
Mechanism of *diuretic* **response** associated with atrial tachycardia [Dogs]. 023219

DIURNAL
Seasonal distribution and variations in *diurnal* **activity** of Tabanidae in the Republic of Zambia. 029055
Temperature distributions [in air-dry and moist soil] under stones submitted to a *diurnal* **heat** wave. 030346
Dinoflagellate phototaxis: pigment system and circadian rhythm as related to *diurnal* **migration** [Algae]. 026586
Diurnal **rhythm,** age, and other variables affecting yellowfever mosquito [Aedes aegypti] avidity and the laboratory assay of repellents. 029025

DIURON
Residues of atrazine, simazine, linuron and *diuron* after **repeated** annual applications in a peach orchard. 029182

DIVERTICULUM
Surgical repair of a fistula of the **urethral** *diverticulum* in a horse. 024932

DOCKS
Effectiveness of different herbicides against **broad-leaved** *dock* [Rumex obtusifolius]. 028497

DOCUMENTATION
Computer programs for sediment **transport** *documentation* and listing. 030942

DODDER
Dodder **[Cuscuta]**—increasing in Connecticut [Horticultural plants, weed control]. 028508

DODECYL
SDS **[sodium** *dodecyl* sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257

DOGS
Coronary reactive hyperaemia and coronary dilator action of adenosine during normal respiration and hypercapnic **acidosis** in the *dog.* 023374
Canine pancreatic **adenocarcinoma** *[Dogs].* 024925
The effect of mean winter temperature around o degrees centigrade on the population size of the **American** *dog* tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). 029195
A technique for measurement of retrograde coronary blood flow in intact **anesthetized** *dogs.* 023458
Recanalized patent ductus **arteriosus** in the *dog.* 024334
Studies from the **Birmingham** *Dogs* Home. 1. The problem of resettling stray and unwanted animals. 2. The effect of distemper vaccination upon disease incidence. 024618
Progressive retinal atrophy in two atypical **breeds** of *dogs.* 024931
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and **brown** *dog* tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
Observations on the appearance of estrus in the female **cat** and *dog.* 024111
Erythrocyte sedimentation rate in the *dog* and **cat:** comparison of two methods and influence of packed cell volume, temperature and storage of blood [Veterinary hematology]. 024333
Aujeszky's disease in the *dog* and **cat** in Switzerland. 024714
Fractures of the distal femur in the *dog* and **cat.** 024976
Rapid estimation of pulmonary extravascular water with an instream **catheter** *[Dogs].* 023469
Skeletal buffering of acute metabolic acidosis *[Dogs,* **cats].** 023226
The release of pancreatic glucagon and inhibition of insulin in response to stimulation of the sympathetic innervation *[Dogs,* **cats,** sheep]. 023556
Mixed infection with Paragonimus miyazakii and other species in an experimental host *[Dogs,* **cats,** rats]. 024623
Infectious diseases of the intestinal tract: the secret of coccidiosis is further revealed [Sarcocystis fusiformis, **cats,** *dogs].* 024745
Cuprimyxin, a new topical antibiotic *[Dogs,* **cats].** 024777
Closed-wound irrigation of compound and contaminated fractures as a preventive and treatment for osteomyelitis *[Dogs,* **cats].** 024927
Interpretation of total and differential leukocyte counts *[Dogs,* **cattle].** 024305
Hydroxylation of **cedrol** by the *dog.* 023657
Hemodynamic effects of aerosol propellants. II. Pulmonary **circulation** in the *dog.* 024999
Direct renal hemodynamic effects of **clonidine** *[Dogs].* 023257
Myocardial infarction in **closed-chest** *dogs:* a simplified method for production. 023467
A simple method for the sampling of respiratory gas in **conscious** *dogs.* 023607
Respiratory sinus arrhythmia: noninvasive measure of parasympathetic cardiac **control** *[Dogs].* 023471
Analysis of electrocardiogram of **Dalmatian** *dogs.* 024353
Aorticopulmonary septal **defect** in a *dog.* 024852
Cardiac **deficiency** in the *dog.* 024887
Absence of estimated glomerular pressure autoregulation during interrupted distal **delivery** *[Dogs].* 023200
Hemodynamic effects of aerosol propellants. I. Cardiac **depression** in the *dog.* 024998
Allergic contact **dermatitis** [in a *dog].* 024905
Experience from some laboratory examinations in *dog* **dermatology.** 024384
Arterial elastic tissue and collagen in experimental poststenotic **dilatation** in *dogs.* 023402
Properties of lung parenchyma in **distortion** *[Dogs].* 023468
Analysis of electrocardiogram of *Dalmatian* **dogs.** 024353
The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the *dog* and its **effect** on net environmental contamination with ova. 024792
Renal failure associated with pericardial **effusion** in a *dog.* 024854
Normal **electrocardiogram** in *dogs.* 024349
Biological microanalysis using **EMMA-4** *[Dogs].* 023531
Concentration and transport of different sugars in the lymph of the thoracic duct and in blood of the portal vein in *dogs* after **enteral** and parenteral administration. 023388
Retropharyngeal **fibrosarcoma** in a *dog.* 024873
Effect of vasoactive agents on the distribution of renal cortical blood **flow** in *dogs.* 023182
Effect of glucagon on secretin-stimulated bile **flow** *[Dogs].* 023204
Simultaneous counting of 85Kr [kypton isotope] in lung and myocardium during measurement of coronary blood **flow** *[Dogs].* 023472
Seroepizootiological studies on the importance of parainfluenza 2 infection in kennel cough in **Germany** *[Dogs].* 024804
Structure and development of the perianal **gland** of the *dog.* 023571
Clinical use of cardiotonic **glucosides** *[Dogs].* 024888
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, *dog* **hair].** 022767
Difference between endocardial and epicardial utilization of glycogen in the ischemic **heart** *[Dogs].* 023203
Acquired cardiopathies in the *dog* **[Heart** diseases]. 024885
Congenital cardiopathies of the *dog* **[Heart** diseases]. 024889
Pathological morphological variations of electrocardiogram *[Dogs,* **heart** diseases, diagnosis]. 024892
Effects of hypoxic and CO [carbon monoxide] hypoxia on isolated **hearts** *[Dogs].* 023463
The hydraulic function of intramyocardial fluids subject to the erectile properties of the ventricular wall of mammalian **hearts** *[Dogs].* 023679
Undiagnosed dirofilariasis in a Great Dane *[Dogs,* **heartworms,** Dirofilaria immitis]. 024724
Vascular dopamine receptors in the canine **hindlimb** *[Dogs].* 023335
The corpus luteum periodicum in the *bitch:* **Histochemical** and biochemical investigations during different phases of the cycle. 023422
Adrenal cortical disease in *dogs* **[Hyperadrenocorticism,** hypoadrenocorticism]. 024919
Electrocardiographic signs of adrenocortical insufficiency with **hypercalcemia** in the *dog.* 024929
Heartworm [Dirofilaria immitis] disease with pulmonary **hypertension** *[Dogs].* 024723
Suckling-mouse-brain rabies vaccine (SMBV): duration of **immunity** in *dogs.* 024781
Perietal cell vagotomy in *dogs.* **Influence** on Heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. 024308
Acute effect of hypophysectomy on the natriuresis following saline **infusion** in *dogs.* 023405
The effects of glucagon on the hepatic arterial vasculature of the *dog:* an **inhibition** of the effects of vasoconstrictor agents. 023332
A filarial parasite in greyhounds in Southern **Ireland** *[Dogs].* 024750
Periodontopathy in the *dog* due to **lack** of calcium and excess of phosphorus in the diet. 024934
Residual levels and biochemical changes after ventilation with perfluorinated **liquid** *[Dogs].* 023470

Myasthenia in Springer Spaniel **littermates** *[Dogs].* 024872
Effects of isoprenaline and phenyleprine on plasma potassium: role of the **liver** *[Dogs].* 023260
Release of prostaglandins in the knee joint of the *dog* during **local** Shwartzman-like reaction. 023329
Effect of continuous positive-pressure ventilation (CPPV) on edema formation in *dog* **lung.** 023462
A note on fibroma of esophagus associated with Spirocerca **lupi** in a *dog.* 024559
Presence of substance P-like immunoreactivity in plasma from **man** and *dog.* 023186
Hepatocellular uptake of erythritol and **mannitol** in the *dog.* 023216
Estimation of the concentration of urea in the blood of horses, cattle, goats and *dogs* using the "**Merckognost** Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
A *dog* **model** of fulminant hepatic failure produced by paracetamol administration. 023315
Analysis of cardiac hypertrophy in Thai **native** *dogs.* 024882
Development of longitudinal retraction of carotid arteries in **neonatal** *dogs.* 023407
Glucose turnover values in the *dog* **obtained** with various species of labeled glucose. 023214
Studies on the reproduction in the *dog.* VI. **Ovulation** rate and transuterine migration of the fertilized ova. 024144
Osteosarcoma of the hard **palate** in a *dog.* 024930
Transfer of proteins across membranes. II. Reconstitution of functional rough microsomes from heterologous components *[Dog* **pancreas].** 023500
On the fine structure of salivary glands of goat and *dog.* I. **Parotid** gland. 023346
In-vivo diagnosis of right renal aplasia in a **pekingese** *bitch.* 024915
Cardiovascular **physiology** *[Dogs].* 023642
The mechanism of action and treatment of palytoxin **poisoning** *[Dogs].* 024997
Effects of an angiotensin inhibitor on adrenocortical response to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, **potassium,** *dogs].* 023206
Effect of bulbar acidification on gastric acid responses to urecholine in Pavlov **pouch** *dogs.* 023181
Feeding, a vital **problem** *[Dogs].* 023916
Homology in amino-terminal sequence of precursors to pancreatic secretory **proteins** *[Dogs].* 023622
Fate of fluorocarbons in the *dog* and **rabbit** after inhalation. 023663
Fluorocarbons and general metabolism in the rat, **rabbit,** and *dog.* 023664
Experimental keratoplasty in *dogs* and **rabbits** [Transplant of the cornea]. 024322
The radius and ulna *[Dogs,* **radiography].** 024313
Notions of cardiac **radiology** *[Dogs].* 024350
Determination of the quantitative relationship between time varying work load and aortic blood flow and heart **rate** in the *dog.* 023549
Suturable gastrointestinal cannulas for animals of various sizes [Rabbits, **rats,** *dogs].* 023474
Free amino acids in the amniotic fluid of different types of placenta [Cattle, *dogs,* **rats].** 024251
Disorder in cardiac **rhythm** *[Dogs].* 024890
Cardiac clinical **semeiology** *[Dogs].* 024347
Studies on Salmonella in domestic animals. I. Salmonella cultures isolated from *dogs* **slaughtered** in Gang-Weon Province. 024694
Prostaglandin release from cat and *dog* **spleen.** 023328
Ossifying **spondylosis** in *dogs.* 024850
Arterial pressure-flow relations in the awake **standing** *dog.* 023201
Operative care of infected wounds with an exchange **suture** *[Dogs].* 024363
Effect of amodiaquine on gastric histamine methyltransferase and on histamine-stimulated gastric secretion *[Dogs,* **swine].** 023323
Radiographic interpretation: the urinary **system** *[Dogs].* 024343
Mechanism of diuretic response associated with atrial **tachycardia** *[Dogs].* 023219
Occlusion in the *dog* **[Teeth].** 024906
Osmoreception and **thirst** in the *dog.* 023551
Chylothorax [in *dogs,* **thoracic** duct]. 025241
Cerebral infarction caused by Dirofilaria immitis in **three** *dogs.* 024626
Use of an inclined plane for correction of ectopic mandibular canine **tooth** in a *dog.* 024394
Urinary calculi in *dogs.* A **trial** on an analysis package. 024898
Effect of parathyroid hormone secretion on sodium reabsorption by the proximal **tubule** *[Dogs].* 023205
Aortic body **tumor** in a *dog.* 024847
Tissue-steroid interactions in canine hormone-dependent **tumours** *[Dogs].* 024918
A report of two cases of coccidioidomycosis in **two** *dogs* treated wtih amphotericin B [Coccidioides immitis, Fungi]. 024718
Effects of carotid hypotension on aortic hemodynamics in the **unanesthetized** *dog.* 023207
The public health implications of **urban** *dogs.* 024294
The adverse effect of environment on the response to distemper **vaccination** *[Dogs].* 024432
Dynamic stiffness profiles in the left **ventricle** *[Dogs].* 023461
Surgical treatment of posterior luxation and radius deformation in a **wolf** *dog.* 024970
Localised tetanus in a *dog* as a **wound** complication; diagnosis and successful treatment. 024566
The reaction of hair follicles in the vicinity of full-thickness excised skin **wounds** in the *dog.* 024978
Heart disease in *dogs,* 10 **years** of diagnostic activity at the Institute of Veterinary Physiology. 024902
Protect **young** *dogs* from Distemper. 024522

DOLICHOPODIDAE

A new species of Enlinia [robinsoni] from Oklahoma **(Diptera:** *Dolichopodidae).* 029651

DOLICHOS

Isolation and characterization of Cyanogen bromide fragments and a glycopeptide from the *Dolichos* **biflorus** lectin. 026403
Biosynthesis of some water soluble vitamins during germination of *Dolichos* **lablab** (bitter variety). 027184

DOMESTIC

The early Middle **Age** *domestic* fauna in Schiers (Graubunden) [Includes livestock]. 023671
The influence of frozen storage on the electrophoresis of serum protein in *domestic* **animals.** 023667
Interactions between ovarian steroids or progestagens and LH [luteinizing hormone] release *[Domestic* **animals].** 023988
Lutela regression in *domestic* **animals** [Cattle]. 023990
Ovulation and endocrine response after LH-RH [luteinizing hormone-releasing hormone] in *domestic* **animals** [Cattle]. 023993
Symposium on the Control of Sexual Cycles in *Domestic* **Animals,** October 27-30, 1974, Nouzilly. 023997
Some potential uses of prostaglandins in *domestic* **animals** [for controlling estrus in cows, mares and ewes]. 024043
Mycotic diseases [Aspergillus fumigatus] occurring in *domestic* **animals** in Ankara. 024598
Studies on Salmonella in *domestic* **animals.** I. Salmonella cultures isolated from dogs slaughtered in Gang-Weon Province. 024694
Review of cestodes [Anthelmintics, *domestic* **animals].** 024735
Leptospirosis in *domestic* **animals** in the south of Chile. A serological study. 024799
Dystocias [of *domestic* **animals]** seen in the Clinic of Ankara University Veterinary Faculty, Obstetric and Gynecology Department in the period of 1963-1973. 024861
Tertiary purification of *domestic* **effluents** [Water pollution]. 030852
Methods of comprehensive investigation of state of rivers and determination of causes of their pollution by industrial and *domestic* **effluents.** 030983
Helminths of *domestic* **equids.** 024669
A comparison of variations in plasma luteinizing hormone concentrations in male and **female** *domestic* chickens (Gallus domesticus) from hatch to sexual maturity. 023512
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the *domestic* **fowl** after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
A comparison of the effects of two low-calcium diets on egg production in the *domestic* **fowl.** 023710
Studies on heritability and genetics correlation among economic traits in *domestic* **fowl.** 024206
Transmission of Histomonas meleagridis to *domestic* **fowl** by means of earthworms recovered from pheasant yard soil. 024452
Spatial preference in the *domestic* **hen** [Housing]. 023100
Parasites of *domestic* and **laboratory** animals in the Netherlands. 2. [Parasitic worms, insect pests]. 024733
Effects of testosterone propionate on the social behaviour of groups of **male** *domestic* ducklings Anas platyrhynchos L. 023235
Competition in **marketing** *domestic* tree nuts. 021605
Population genetics of **Marseilles'** *domestic* cats. 024017
Physiological aspects of sperm transport in the *domestic* **pig,** Sus scrofa. I. Semen deposition and cell transport. 024046
Particulates in *domestic* **premises.** II. Ambient levels and indoor-outdoor relationships [Air pollution]. 030803
Comparative characteristics of **primary** *domestic* breeds of rabbits in the production of broilers. 024245
Scent-marking, dominance and flehmen behavior in *domestic* **rabbits** in an artificial laboratory territory. 023372
Schistosomiasis in *domestic* **ruminants** in Bangladesh. 024740
Socioeconomic factors affecting *domestic* **water** demand in Israel. 030794
The development and modification of object preferences in *domestic* **White** Leghorn chicks. 023387

DOMESTICATION

Ammotragus lervia: progenitor of the *domesticated* **sheep** or specialized offshoot of caprine evolution? 023406
Microbial ecology and erosion: *domestication* of **soil** microbes and erosion of the Plata River basin. 030583

DOMINANCE

Studies on the *dominant-lethal* and **fertility** effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and female mice. 024156
Scent-marking, *dominance* and **flehmen** behavior in domestic rabbits in an artificial laboratory territory. 023372
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and *dominance* of **lethals** in hybrids Drosophila virilis Sturt. X Drosophila. 029464
Chemical induction of **presumed** *dominant-lethal* mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155

DONKEYS

Epidural **anaesthesia** in *donkeys.* 024379
Gastrin activity along the gastrointestinal tracts of some ruminants and the *donkey* **[Cattle,** goats, sheep]. 023416

DOPAMINE

Vascular *dopamine* receptors in the canine hindlimb [Dogs]. 023335

DORMANCY

Ultrastructure of the *dormant* **Agaricus** bisporus spore [Mushrooms]. 025994
Dormancy **breaking** in the light-sensitive seeds in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Role of cotyledons in germination and *dormancy* **breaking** of apple embryonic axis, after treatment with abscisic acid. 027232
Dormancy of seeds as compared with *dormancy* of **bulbs** in tulips. 027073
Portable oscilloscope technique for **detecting** *dormancy* in [forest] nursery stock. 027343
Effects of *dormancy* **factors** on the growth of vegetative buds of young apple trees [Chilling requirements]. 027118
Absolute *dormancy* of **pollen** induced by soaking in organic solvents [Chrysanthemum pacificum, Lilium longiflorum]. 027282
Root *dormancy* in Polyalthia longifolia Benth. And Hf. 026532
Sampling *dormant* apple twigs to estimate the density of eggs of the European red mite [Panonychus ulmi]. 028852
Changes in the nitrogen reserves of apple shoots during the *dormant* **season.** 027197
Regulation of **seed** *dormancy* in Elaeagnus umbellata by endogenous growth substances. 027155
Dormancy of **seeds** as compared with dormancy of bulbs in tulips. 027073
Physical gill efficiency and **winter** *dormancy* in the pigmy backswimmer, Neoplea striola (Hemiptera: Pleidae). 029221

DORSAL

Histochemical localization of trehalase activity in *dorsal* **flight** muscle of the flesh fly Sarcophaga bullata with lightand electron microscopy. 029403
Direct PCO2 [carbon dioxide partial pressure] measurements in the *dorso-bronchial* **gas** of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Comparison of post mortem changes in ultrastructure of the masseter and **longissimus** *dorsi* muscle of pits yielding pale, soft exudative meat. 021840
Further evaluation of conventional and hot-boned bovine **longissimus** *dorsi* muscle excised at various conditioning periods [Beef carcasses, tenderness]. 022681
Use of a centrifuging method to measure the drip of pork **Longissimus** *dorsi* slices before and after freezing and thawing. 022689
The pH1 [hydrogen-ion concentration] of **longissimus** *dorsi* muscle in purebred and commercial pigs. 022692
The heritability of pH1 [hydrogen-ion concentration] in **longissimus** *dorsi* muscle in Landrace and Large White pigs. 024153
A case of **true** *dorsal* flexion of the head in a foal. 024318

DORYLINE

Taxonomic implications of *doryline* **worker** ant morphology: Cheliomyrmex morosus (Hymenoptera: Formicidae). 029534

DOSAGE

Safety considerations with high ascorbic **acid** *dosage.* 022044
Ameliorating *doses* of fly ash in the soil-plant system. 030613
Chromosomal basis of *dosage* **compensation** in Drosophila. VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. 029297
Differentiated *doses* of 2,4-dichlorophenoxyacetic acid [on millet]. 028628
Development of an instrument for testing the evenness of *dosing* of **drilling** machines. 030096
Optimization of **fertilizer** *doses* for topdressing of winter wheat after inorganic analysis of the plants for 1975. 030552
Some aspects of current vitamin C usage: diminished high-altitude resistance **following** *overdosage.* 022046
Gene *dosage* and antigenic expression on the cell surface of bovine erythrocytes. 024403

Gene *dosage* effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and mutant alleles. 026193
The effect of **gene** *dosage* on variability in the honeybee [Apis mellifera]. 2. Wing hook number. 029832
Laboratory *dosage* response of Aedes triseriatus (Say) to Altosid SR-10 and 10-F. 029048
Use of auxin-like substances for preventing damage from, and increasing efficacy of, nitrogen applied in **large** *doses.* 030465
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with **low** *doses* of ultraviolet light. 026650
Hexachlorobenzene. IV. Accumulation and elimination of HCB in pigs after **oral** *dosing* [Fungicide, residues]. 024983
Efficacy of insecticides and *dosage* **rates** applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and pea aphid [Acyrthosiphon pisum]. 028663
Melon flies [Dacus curcurbitae]: *Dosage-response* and **sexual** competitiveness after treatment with gamma irradiation in a nitrogen atmosphere. 028868
Effect of **small** *doses* of insecticide on the liver of chicks. 025006
Beet armyworm [Spodoptera exiqua]: *dosage-mortality* **studieson** California and Florida strains. 028662
Experimental technique allowing for the study of the incidence on vegetation of sulfur dioxide pollutants applied continuously and at **subnecrotic** *doses.* 030946
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with **substerilizing** *doses* of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Regional blood flow in rats exposed to **supralethal** *doses* of whole body X-irradiation. 023639
Change in nitrogen concentration in chyme of the small intestine in steers fed various *dosages* of **urea.** 023942

DOTHISTROMA

Red band disease *[Dothistroma* **pini]** of Pinus radiata. 027940

DOUGH

Dough **conditioners** for 12% soy-fortified bread mixes. 022782
Suggestion for a classification of a moist **glutinous** *dough* property. 022755
Rheology of rye dough. III. Model test of clarification of viscose behavior in *dough* in **rising** temperatures. 022763

DOVES

Blood calcium levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning *[Doves,* **ducks].** 024950
The chronic toxicity of methiocarb [pesticide] to grackles, *doves,* and **quail** and reproductive effects in quail. 029089

DRAINAGE

When planning *[drainage]* take **cultural** aspects into consideration. 030692
Soils **determine** *drainage* procedures. 030691
Study of **electrical** *drainage* as applied to clay soil in a land creep zone. 030667
Subsidence of peat soils under hydraulic **fills** *[Drainage].* 030690
Some genetic characteristics of the **freely** *drained* soils of the Ettrick Association in east Scotland. 030206
Dust development in **granary** *drains* [Feed processing]. 023054
Drainage around your **home.** 030654
A survey of aquatic weed control methods used by **internal** *drainage* boards, 1973. 028587
About automatic flooding of a centrifugal pump before launching *[Drainage,* **irrigation].** 030120
Experimental studies on *electro-drainage* of **landslide** clay. 030250
Limestone *drainage* systems. 030665
Drainage—the **major** element of reclamation [in the new zone of the Golodnaya Step']. 030673
Proper *drainage* is essential [Dairy farms]. 030647
Drainage **pumping** stations [equipped] with centrifugal pumps. 030121
Tile and **surface** *drainage* of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
On the chemical characterization of water from *collector-drainage* **system** in the Mary and Chardzhou Regions. 030661
Irrigation regime of cotton in relation to **vertical** *drainage.* 030678
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the *well-drained* **volcanic** ash soil of the Tokachi region under two moisture levels. 028430
Manufacture of soft cheese without *drainage* of **whey** from concentrates of ultrafiltrated skim milk. 022613
The advancement of mechanization of *drainage* **works** in Estonia. 030721

DRECHSLERA

Drechslera **sorghicola** on sorghum in Queensland. 027868
A new race of *Drechslera* **turcica** on maize in New South Wales. 027866

DRENCHING

Effect of anthelmintic and **selenium** *drenching* on live-weight gain in young beef cattle. 024652

DREPANOPEZIZA

Ascospore discharge in *Drepanopeziza* **punctiformis** in relation to infection of some poplar [Populus] clones. 027951

DRESSING

The effectiveness of insecticides **seed** *dressings* against soldier fly [Inopus rubriceps] larvae [Lolium perenne]. 028785

DRIFTING

Drifting [**Apis** mellifora]. 029794
The *drift* of **aquatic** and terrestrial invertebrates in a stream of the Massif Central, Couze Pavin [Includes insects]. 029224

DRILLING

Development of an instrument for testing the evenness of dosing of *drilling* **machines.** 030096

DRINKING

Small devices make self drinking perfect **[Cattle** *drinking* troughs]. 029928
The consequences of *drinking* **water** regulation on dairy industry. 021951
Swine waste nutrient recycling *[Drinking* **water].** 023902
Newcastle disease vaccines: a study of duration of immunity and properties of LaSota vaccine given in *drinking* **water** [Chicks]. 024478
The horn fly [Haematobia irritans]: methoprene in *drinking* **water** of cattle for control. 029028
Analysis of river water and *drinking* **water** from seven European Countries [Quality]. 030649

DRIVING

Analysis of input power on screw **conveyer** *drive.* 029990
Six years of measurements of wall wetting by *driving* **rains** in Braunschweig-Volkenrode [Agricultural structures]. 029944
Why are all **wheel** *drive* high performance tractors prevalent? 030078

DRONES *see* BEES

DROSOPHILA

Induction of melanotic tumors in larvae of *Drosophila* **affinis** parasitized by the wasp, Pseudeucoila bochei. 029425
Adaptive radiation in the subgenus Scaptodrosophila of **Australian** *Drosophila.* 029642
Competition of *Drosophila.* II. **Consistency** of one generation test in the measurement of interference. 029303
Chromosomal basis of dosage compensation in *Drosophila.* VIII. **Faster** replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. 029297
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome breaks induced by X-rays in the paternal **genome** of *Drosophila.* 029449
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in **hybrids** *Drosophila* virilis Sturt. X Drosophila. 029464
Genes controlling chromosome activity: the role of genes blocking Y-lampbrush loop propagation *[Drosophila* **hydei].** 029298
Independent replication of the ribosomal RNA genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, *Drosophila* **hydei,** and Sarcophaga barbata. 029299
Study of the vertical transmission and horizontal transmission of Drosophila melanogaster and *Drosophila* **immigrans** Picornavirus. 029225
The effect of temperature and humidity on the distribution patterns of *Drosophila* **inornata** in Victoria, Australia. 029347
A study of temperature-sensitive mutations in the virilis group of *Drosophila.* III. **Maternal** effect and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. 029464
Study of the vertical transmission and horizontal transmission of *Drosophila* **melanogaster** and Drosophila immigrans Picornavirus. 029225
A compared biometrical analysis of some quantitative characters of *Drosophila* **melanogaster.** 029235
The conversion of dihydroneopterin triphosphate to sepiapterin by an enzyme from *Drosophila* **melanogaster.** 029250
Purine metabolism pathway in *Drosophila* **melanogaster** cells grown in vitro: utilization of adenosine. 029273
Genetic control of susceptibility to hydroxyproline in *Drosophila* **[melanogaster].** 029291
Homoeotic effect of the tumorous-head mutant and differential effect of an enhancer gene in the tumorous-head strain of *Drosophila* **melanogaster.** 029292
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with subcultured diploid embryonic cells of *Drosophila* **[melanogaster].** 029317
Developmental defects of female-sterile mutants of *Drosophila* **melanogaster.** 029318
RNA polymerase B from *Drosophila* **melanogaster** larvae. Purification and partial characterization. 029350
A test of the influence of isoallelic variation upon a quantitative character *[Drosophila* **melanogaster].** 029363
Restoration of induced damage by X rays to the embryos of *Drosophila* **[melanogaster]** Meig. 029389
A DNA polymerase from embryos of *Drosophila* **melanogaster.** Pruification and properties. 029397
Fine genetic structure of the 2D3-2F5 region of the X-chromosome of *Drosophila* **melanogaster.** 029446
Distribuiton of bromouracil in the pyrimidine oligonucleotides of *Drosophila* **[melanogaster]** DNA. 029448
Studies on the determination of the gene est-6 expression in male genitalia of *Drosophila* **melanogaster.** 029465
Genotype—environment interaction. III. Interactions in *Drosophila* **melanogaster.** 029484
Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of *Drosophila* **melanogaster.** 029495
Mutagenic and modificational activity of nevigramon *[Drosophila* **melanogaster].** 029496
The mechanism of evagination of imaginal discs of *Drosophila* **melanogaster.** II. Studies on trypsin-accelerated evagination. 029508
Radiation-induction of fractional **mutations** in *Drosophila.* 029450
Investigation of the effects of homoeotic mutations. I. Pleiotropic effect of homoeotic aristapedia **mutations** *[Drosophila].* 029494
The *drosophila* **pinicola** species group (Diptera: Drosophilidae). 029647
The theory of the selective neutrality of proteins **polymorphisms** *[Drosophila].* 029239
Chromosomal basis of dosage compensation in Drosophila. VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of *Drosophila* **pseudoobscura** and their possible significance. 029297
The effect of conditioning the medium in *Drosophila,* in **relation** to frequency-dependent selection. 029365
Differential posteclosion housing experiences and **reproduction** in *Drosophila.* 029209
Effect of light on egg-laying rate and mating speed in phototactic **strains** of *Drosophila.* 029456
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in hybrids Drosophila virilis **Sturt.** X *Drosophila.* 029464

DROSOPHILIDAE

The drosophila pinicola species group **(Diptera:** *Drosophilidae).* 029647

DROUGHTS

Drought **effects** from the 7314 1973 on softwood plantations on eroded terrains at Chela-Macin in the north of Dobrudja silvo steppe. 025227
Drought **injury** and resistance of crop plants. 028370
Screening Indo American (IA) hybrid sugarcane clones for *drought* **resistance.** 026296
Physical properties of *drought-hazard* **soils** in central Minnesota. 030263
Poikilohydrous plants: the extreme case of *drought* **tolerance.** 026857

DRUGS

Adrenergic *drug-receptor* interaction in the presence of strontium (Sr++) in mammalian myocardium [Rabbits]. 023254
Effect of **anti-herpesvirus** *drugs* on human and bovine lymphoid function in vitro. 024573
Production of a mixture of amino acids [for food and *drugs]* by **autolysis** of hydrolyzed fodder yeast. 022438
Studies on the methyl green-DNA complex and its dissociation by *drugs* **[Calf** thymus]. 023304
Recent chemical and biological studies on natural [plant] products at the **Central** *Drug* Research Institute, Lucknow. 026549
Biological active principles of the **crude** *drugs.* II. Antiulcerogenic and anti-inflammatory actions of the crude drugs contained saponin [isolated from Aesculus turbinata]. 026654
Residues of [antibiotic] *drugs* in **eggs** after medication of laying hens for eight days. 021832
Feed *drugs* and their use in practice. 024337
Diuretics *[Drugs* used in **heart** diseases]. 024891
Drug **interactions** [Veterinary medicine]. 024300
Effects of low and high protein diets on the induction of **microsomal** *drug-metabolizing* enzymes in rat liver. 022136
Inducibility of **mucosal** *drug-metabolizing* enzymes of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Neuroleptanalgesic *drug* combinations in the anaesthetic management of small laboratory animals. 024341
A screening method for determining **nitrofuran** *drug* residues in animal tissues. 024968
Alteration of *drug* **pharmacodynaics** by hyperlipidemia [Rabbits]. 023255
Effects of some *drugs* on the **physiological** changes during exercise in the horse. 024309
Garlic, an old culture and *drug* **plant.** 027747
Survey of *drug* **resistance** of chicken coccidia [Eimeria] collected from Japanese broiler farms in 1973. 024633
Application and verification of SPOFA preparations in specific conditions in Algeria [Cattle, **veterinary** *drugs].* 024381

DRYING

Effect of [harvest moisture content and] heated **air** *drying* on soybean oil quality. 022845

Cultural and technological assuring of raw materials for hot **air** *dryers* in higher districts [Field crops]. 027537
Increased effectiveness of hot **air** *driers* by improved automation equipment [East Germany]. 030007
Control of particulate emissions [Air pollution] from **alfalfa** *dryers*. 030915
Drying of **amino** acids [from algae] in the presence of carbohydrates. 022436
Determination of polybrominated biphenyl residues in *dry* **animal** feeds. 029120
Present recharging demonstration by tritium of free groundwaters in the *dry* **area** of the sahara (Algeria). 030666
The economics of using **artificially** *dried* green crops in milk production [Dairy cattle, feeding costs]. 021410
Preliminary studies on the incidence of molds on pecan nuts during harvesting and *drying* [**Aspergillus** flavus, Aspergillus parasiticus]. 028039
Effect of some soil amendments on plant growth, survival and yield of *dry* **beans** (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379
Food preservation: *drying*, **canning**, freezing. 022226
Effect of sodium chloride on rehydration of *freeze-dried* **carrots**. 022931
Studies on feeding level for *dry* **cattle**. 023936
Effect of *drying* off **[cattle]** practices on mastitis infection. 024596
New process for *flash-drying* **[cellulose** pulp]. 025488
The K 30 T Heylo oil air filter [for *drying* **cereals**]. 030045
The influence of duration of warm, *cold-dry* and **cold-moist** storage on development and flowering of Freesia plants. 027090
Nitrate and nitrite content in wheat dried in internal **combustion** *dryers*. 022820
Changes of germinability of weed seeds during storage in *air-dry* **condition**. II. 028523
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and *dry* **conditions** [Lolium multiflorum] 027459
Experience on the transit of grain in a **continuous** *dryer* with flooded air channels. 022745
Solar energy reduces costs of *drying* and **curing** crops. 029977
Influence of aluminum ions on *drying* of **cut** plants. 026692
Estimation method of **drum** *driers* of fodder in operation conditions. 023073
Moisture stream application for comparison of agricultural **drum** *driers* of fodder. 023074
Studies on the prevention of checks during *drying*. 2. **Drying** schedule for the boxed heart of Larix wood. 025417
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a radial temperature gradient *[Dried* **fish** pest]. 028973
Better organization for *drying* of **flax** bolls [Mechanization, linseeds]. 030154
Dry or **fluid** feed, alternatives for fattening swine barns. 023732
Technical solutions for processing straw and other *dry* **fodders** into pelleted, partially finished feeds. 023009
Determination method of digestibility of **forage** *dry* matter and cell wall constituent by artificial rumen—neutral detergent treatment. 023873
Low-temperature **forced-air** *drying* of Appalachian hardwoods. 025536
Application of **freeze** *drying* for preparation of dehydrated powders from liquid food extracts. 022442
Applications of **freeze** *drying* to food products. 022443
Basic knowledge of **freeze** *drying*. Heat and mass transfer. 022444
Collapse during **freeze** *drying*—qualitative and quantitative aspects. 022446
Effect of process conditions in **freeze** *drying* on retention of volatile components. 022449
Heat and mass transfer in **freeze** *drying*. 022453
Heat and mass transfer in **freeze** *drying* of mixed granular particles. 022454
High powered low temperature refrigeration plants in industrial **freeze** *drying*. 022455
Industrial **freeze** *drying* plants for foods. 022456
Possibilities of direct surface sublimation in **freeze** *drying*. 022459
Some basic fact about **freeze** *drying*. 022461
Some combined reactions of water at the surface of **freeze** *dried* products. 022462
The influence of freezing conditions on the properties of **freeze** *dried* coffee. 022466
The porous texture of **freeze** *dried* products. 022467
The retention of volatile components during **freeze** *drying:* a structurally based mechanism. 022468
Process conditions for improved flavor quality of **freeze** *dried* foods. 022484
Freeze *drying* of sliced beef. 022656
Thermal phenomena and structural behaviour of fruit juices in the pre-freezing stage of the **freeze** *drying* process. 022905
Effects of *spray-drying* and **freezing** on the proteins of liquid whole egg. 022728
Studies on the small size of **grain** *dryer* and storage bin for the farm. 030117
Control of odors and aerosols from spent **grain** *dryers*. 030914
The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of *dried* **grass** in sheep. 023708
The use of *dried* **grass** in ruminant feeding. 023852
Drying **green** feed with "homemade" heat? 023024
How much does *drying* **hay** under the roof cost? 021385
The kinetics of *drying* **hydrochloric** acid hydrolizate mass with air [Wood hydrolisis]. 025346
Mosquito collections in El Salvador with ultraviolet and CDC miniature light traps with and without *dry* **ice**. 029051
Sulfur content in wheat dried in **internal-combustion** *dryers* in relation to the sulfur content in fuel [Contamination]. 022821
The effect of smoking and *drying* on the **lipids** of West African herring (Sardinella spp.). 022504
Drying of various **maize** varieties and hybrids. 022800
Interferometric measurements of *dry* **mass** content in nuclei and cytoplasm in the life cycle of antheridial filaments cells of Chara vulgaris L. [Algae] in their successive developmental stages. 026334
Yield, chemical composition and *dry* **matter** intake of R.v.P ryegrass varieties [Lolium, sheep]. 023071
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of *dry* **matter** and feed nutrients and blood metabolites [Dairy cows]. 023774
Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and molar proportion of volatile fatty acids, and *dry* **matter** digestibility. 023781
The influence of distance between rows and crop density on grain yield and *dry* **matter** content in grain maize. 027568
Occurrence of gram-negative microorganisms in *dried* **milk** products. 021979
Quantity of lysine in *dried* **milk** processed using different techniques. 022584
[Insect] pest control in the *dry* **milk** industries. 028977
Electrical potentials during water entry into an *air-dry* **mixture** of sand and kaolinite [Soil-particle surfaces]. 030338
Temperature distributions [in *air-dry* and **moist** soil] under stones submitted to a diurnal heat wave. 030346
Study of the climate in **natural** *drying* of cacao in barges. 022417
Studies on the *drying* and **packaging** of chilli and garlic. 022535
On the behaviour of wood particles in hot air-steam mixtures—a contribution of the improvement of **particle** *drying* in particle board plants. I. 025376
Biochemical properties of mitochondrial membrane from *dry* **pea** seeds and changes in the properties during imbibition. 027261
Critical **point** *drying* of fines from mechanical pulps. 025483
Speck *[dried* **pork]**: Production and characteristics. 022659
Cowpea **powders** *dried* with methionine: preparation, storage stability, organoleptic properties, nutritional quality. 022929
Morphological, physical and chemical features of red clover, importat for the *drying* **process.** 027042
Effects of resin and shape of fiber on physical **property** of *dry-fiberboard.* 025416
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on *drying* **property** of beech wood [Fagus sylvatica]. 025428
Drying and **quality** of grain maize. 023026
Drying **rates** of humid maize increased by ten percent. 022811
Vegetation changes in a shallow African lake: response of the vegetation to a **recent** *dry* period. 030655
Isolation and characterization of subunits of 80S **ribosomesof** *dry* pea seeds. 027133
Screening potato clones for resistance to *dry* **rot** (Fusariumsolani var coeruleum). 027900
Effect of cation saturation and *air-drying* of **samples** on the diffractogram obtained from parallel-oriented specimen [Clay minerals]. 030307
Studies on the prevention of checks during drying. 2. *Drying* **schedule** for the boxed heart of Larix wood. 025417
House for *dry* **sows**. 029961
Bulk rice. Alternatives for harvesting, transport, *drying* and **storage**. 022794
Modification of the botanical composition and *dry* **substance** yield of grass and white clover mixtures from the use of different Dactylis varieties. 027369
Collaborative study on the determination of trace elements in *dried* **sugarbeet** pulp and molasses. 1. Mercury. 022859
Phytochrome intermediates in *freeze-dried* **tissue** [Peas]. 027279
Various schemes of heating **tobacco** *dryers* with thermal generators. 022837
Preservation of stored moist maize-grain in a plastic enclosure, while **waiting** for *drying*. 023017
Dry **weather** retarding USSR winter grains [Production]. 021531
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. *Dry* **weight** loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Nitrate and nitrite content in **wheat** *dried* in internal combustion dryers. 022820
Sulfur content in **wheat** *dried* in internal-combustion dryers in relation to the sulfur content in fuel [Contamination]. 022821
The *drying* [of **wood**] through condensation and it's application. 025290
Determination of uric acid precursors in *dried* **yeast** and other forms of single-cell protein. 022507

DRYLANDS

Role of mulches in *dryland* **agriculture**. 030467
Physiological principles of *dryland* **crop** production. 026962

DUCKS

The effect of cervical vagotomy (decentralization) on the ultrastructure of the carotid body of the *duck,* **Anas** platyrhynchos. 023365
DNA synthesis in circulating erythroblasts of **anemic** *duck*. Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. 024069
Amino acid composition of keratins of chimeric neoptile feathers resulting from heterospecific ecto-mesodermal recombinations between the **chick** and the *duck*. 023348
Isolation, characterization and public health aspects of Vibrio cholerae NAG [Non Agglutinable] isolated from a **Danish** *duck* farm. 024458
Aflatoxicosis and vitamin D3 **deficiency** in *ducklings*. 024897
The initial cardiovascular responses in the **diving** *duck*. 023191
Effects of testosterone propionate on the social behaviour of groups of male **domestic** *ducklings* Anas platyrhynchos L. 023235
Blood calcium levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced eggshell thinning **[Doves,** *ducks].* 024950
The peculiarities of *duck* **feeding**. 023745
Dependence of the productive and reproductive qualities of *ducks* on their **feeding** level. 023955
Second parasitological inquiry in Guadeloupe. 1. Trematodes of aquatic birds *[Ducks,* **geese].** 024493
The performance of **male** *ducklings* given starter diets with different concentrations of energy and protein. 023714
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake **Peking** *ducks:* evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Study of chlorophacinone toxicity, an anticoagulant **raticide,** in *ducks*. 024947
Ducks in a **row** [Retirement, U.S. Dept. Of Agriculture employees]. 021134
The susceptibility of young chickens, *ducks,* and **turkeys** to the photosensitizing effect of Ammi visnaga seeds. 024821
Mercury residues in breast muscle of **wild** *ducks,* 1970-71. 030944

DUCTS

Concentration and transport of different sugars in the lymph of the **thoracic** *duct* and in blood of the portal vein in dogs after enteral and parenteral administration. 023388
Chylothorax [in dogs, **thoracic** *duct].* 025241

DUCTUS

Recanalized **patent** *ductus* arteriosus in the dog. 024334

DUNALIELLA

The microbiology and biogeochemistry of the Dead Sea [Halobacterium, Sarcina, *Dunaliella,* **Algae**]. 026670

DUNES

The effect of fertilizers on sclerophyll (heath) vegetation-the problems of revegetation after sand-mining of **high** *dunes*. 030524
Ecological study on the **sand** *dune* in the west coast of Taiwan. 025882

DUNG

New South African Onthophagini collected by the *Dung* **beetle** research unit, Pretoria (Coleoptera, Scarabaeidae) [New taxa]. 029576
Effects of cattle dung and *dung* **beetle** [Onthophagus nuchicornis] activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434
Dung **burial** activity and fly control potential of Onthophagus nuchicornis (Coleoptera: Scarabaeinae) in British Columbia. 028641
Influence of some dipterous [Musca domestica] larvae on nitrogen loss from **cattle** *dung*. 029011
Influence of other insects on production of horn fly, Haematobia irritans (Diptera: Muscidae), from **cattle** *dung* in south central British Columbia. 029282
Effects of **cattle** *dung* and dung beetle [Onthophagus nuchicornis] activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434
Decomposition of organic materials and soil fauna in pasture. 2. Disappearance of **cow** *dung*. 030271

DUODENUM

The chemical influence of the *duodenal* **contents** on the activity of the antrum and duodenum of sheep. 023453
Scanning electron microscopy of the *duodenal* **mucosa** of chickens infected with Eimeria acervulina. 024664
Chymodein, a *duodenal* **peptide:** specific stimulation of chymotrypsinogen secretion [Rabbits]. 023202
Mechanisms of disposal of acid and alkali in **rabbit** *duodenum*. 023220
The chemical influence of the duodenal contents on the activity of the antrum and *duodenum* of **sheep**. 023453

DURABILITY
Factors affecting the activity and the *durability* of **fixed-glucoamylase** [Rhizopus niveus] on polyacrylonitrile carrier resin by amidination reaction. 026533
Investigations on the **natural** *durability* of indigenous timbers for use in marine construction. 025423
Investigations on the **natural** *durability* of indigenous timbers for use in marine construction. 025424
The *durability* of **painted** plywood: the correlation between the outdoor exposure and the accelerating test. 025418

DURRA
Factors responsible for discontinuance of hybrid jowar *[durra]* **cultivation.** 027407
Note on the yield of *jowar* **[durra]** and groundnut and cost of tillage under various tillage systems. 030590
Factors responsible for discontinuance of **hybrid** *jowar* [durra] cultivation. 027407
Changes in cell-wall carbohydrates and lignin of some forage-type millets [pearlmillet, *durra,* **Pennisetum** purpureum] asaffected by growth stage. 026985
The season try these new jowars *[Durra,* **varieties].** 027405

DURUM *see* WHEAT

DUST
Dust **development** in granary drains [Feed processing]. 023054
Morphology and function of the testa of *dust* **forming** seeds. 025957
Industrial *dust* and the viability of pines in suburban forests of Leningrad [Air pollution, forest damage]. 025035
Certain problems of *dust* **removal** from tobacco [in fermentation factories]. 022832
Dust **removal** devices in silos. 029932
Palynological determination of *dust* **storms** provenances in Israel. 025797
The selection of Pleurotus ostreatus [mushrooms] **strains** *bysaw-dust* culture. 027765
Dust **vaccination,** an alternative method in Newcastle disease prophylaxis. 024795

DUTIES
Ad valorem **equivalent** *duty* rates decline in 1974 [Imports]. 021494

DWARFISM
Applications of post-emergence herbicides in pea and *dwarf* **bean** crops. 028584
The chromosomal location of a major dwarfing fene from Norin 10 in new **British** *semi-dwarf* wheats. 026160
Field trials on *Dwarf* **Cavendish** bananas in southern Malawi. I. Spacing and pruning. 027601
Field trials on *Dwarf* **Cavendish** bananas in southern Malawi. II. Fertilizers and mulching. 030398
Banff Kentucky bluegrass *[dwarf* **cultivar** of Poa pratensis]. 027381
The effect of distant nodulation on the activity of nodules in pea (Pisum sativum L.) and *dwarf* **kidney** bean (Phaseolus vulgaris L.). 027290
Study of a sex **linked** *dwarfing* gene in the fowl: oviposition time and characteristics of the successive eggs in laying sequences. 024021
Aphid transmission and epidemiology of barley yellow dwarf and **maize** *dwarf* mosaic in southern France. 028696
The chromosomal location of a **major** *dwarfing* fene from Norin 10 in new British semi-dwarf wheats. 026160
Malayan *Dwarf* [Diseases of unknown origin] palm, resistant to lethal yellowing, is recommended for planting in Florida. 028441
Genetics of a *dwarf* **mutant** in groundnut. 026303
Photodynamic inactivation of virion-associated RNA transcriptase of **rice** *dwarf* virus catalyzed by azure B and its therapeutic effect on infected plants. 028242
Comparative observations on maize **rough** *dwarf* virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. 028158
The maize **rough** *dwarf* virion. I. Protein composition and distribution of RNA in different viral fractions. 028284
The maize **rough** *dwarf* virion. II. Seroligical analysis. 028285
Occurrence and integrated control of *dwarf* **virus** disease in rice. 028214
Epidemiological problems of barley **yellow** *dwarf* virus in Hungary. 028160
Problems and possibilities for control of BYDV [barley **yellow** *dwarf* virus] in Britain [Aphids, vectors]. 028162
Effects of early and late infectious of BYDV (barley **yellow** *dwarf* virus) on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. 028230
Aphid transmission and epidemiology of barley **yellow** *dwarf* and maize dwarf mosaic in southern France. 028696

DYES
The influence of **acridine** *dyes* and caffeine on recovery from ultraviolet damage in Eudorina elegans [Algae]. 026459
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a *dye* **binding** procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Lipolysis by lactic acid bacteria recognized through color changes of *dye-stained* **butterfats** on double-layered agar plates. 022612
Relationship between orange G *dye-binding* **capacity** and total N [nitrogen] content of six grass species [Protein content]. 023021
An investigation of the surface areas of *dyed* and **undyed** secondary cellulose acetate by p-nitrophenol adsorption. 025414
Xanthene *dye-sensitized* photooxidation in the black imported fire ant, Solenopsis richteri. 028646

DYING *see* DEATH

DYNASTIDAE
Monograph of *Dynastinae* **(Coleoptera,** Melolonthidae). 4. Tribe: Pentodontini of the Ethiopian Region. II. [New taxa]. 029566
Observations on the biology of Xylotrupes gideon (Coleoptera: Scarabaeidae: *Dynastinae)* in **Melanesia.** 029394
A new species of Aspidolea [cevallosi] from Ecuador (Coleoptera, **Scarabaeidae,** *Dynastinae].* 029562
New and little known South American Cyclocephala (Coleoptera, **Scarabaeidae,** *Dynastinae).* 029567

DYSENTERY
Swine *dysentery* associated with Treponema hyodysenteriae-like organisms in Colombia. 024741
The etiology of **swine** *dysentery.* III. The role of selected gram-negative obligate anaerobes. 024749

DYSPLASIA
Can the serum activity of alkaline phosphatase (AP) be used in diagnosing canine **hip** *dysplasia?* 024875
Recommendations on canine **hip** *dysplasia:* diagnosis, treatment and genetic selection. 024900

DYSTROPHY
Halothane anaesthesia of normal and *dystrophic* **hamsters.** 024339

DYTISCIDAE
Defence substances of arthropods. LIX. Platambin, a defence substance of the water beetle Platambus maculatus **(Coleoptera:** *Dytiscidae).* 029439

EARIAS
Variation in the reproductive potential of *Earias* **fabia** Stoll (Lepidoptera: Noctuidae) reared on whole fruit of okra or on its components. 029483
The economic threshold of infestation for the cotton bollworms [Pectinophora gossypiella, *Earias* **insulana]** on yield in Egypt. 028801
Effects of metepa on emergence, longevity and reproduction of *Earias* **insulana** [Okra, pests]. 028897

EARNINGS *see* WAGES

EARS
Corn *ear* worm [Helicoverpa armigera conferta] control with phenthoate. 028777
Genetic analysis of time to *ear* **emergence** in hexaploid wheat, Triticum aestivum, using intervarietal chromosome substitution lines. 026122
Histamine receptors in the vasculature of the **rabbit** *ear.* 023594
Aural **squamous** cell carcinoma in the horse: a case report. 024834
The heterogeneity of the germination of **wheat** *ear* grains. 026921

EARTH
Continuous process for the treatment with activated **bleaching** *earth* during refining of aromas. 022428
Alterations in the soil reclamation status of lands due to irrigation from an *earth-channel* **irrigation** network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
Geology and forestry classification from ERTS *[Earth* **Resources** Technology Satellite]-1 digital data. 030280

EARTHWORMS
Nitrogen fractions in *earthworm* **casts** and in the surrounding soil. 030272
Production of compost from refuse by rearing the *earthworm* **Eisenia** foetida (Savigny 1826). 030259
Effects of some fungicide treatments on *earthworm* **populations** and leaf removal in apple orchards. 027991
Transmission of Histomonas meleagridis to domestic fowl by means of *earthworms* **recovered** from pheasant yard soil. 024452

EARWIGS
The **European** *earwig* [Forficula auricularia]. 028640

EASEMENTS
An introduction to *easements* **[Land-oriented** legal problems, lignite resources]. 021682

EATING
Changing *eating* habits lift potato product trade. 021525
TV advertising and its effects on **children's** *eating* habits. 022096
Why are people still *eating* out? 022248
Knowing and telling how to *eat* **[Human** nutrition]. 022203
Eating **quality** and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 022101
What **sheep** *eat* on developed and undeveloped high country. 022711
Effect of intravenous infusion of artificial saliva on changes in acid-base status of **sheep** during *eating.* 023573
Play it smart, *eat* a **well-balanced** diet. 022098

EBENACEAE
Behaviour of 7-methyljuglone and two related naphthoquinones on silica gel exposed to **air** *[Ebenaceae].* 026637

EBONY
Phenotypic deviants in the *ebony* **genotype** in the boll weevil [Cotton pests, control] [Anthonomus grandis]. 028752

EBULUS
Cherry leaf roll virus in **Sambucus** *ebulus* L. 028173

ECDYSONE
Detoxication mechanism of Bombyx mori against exogenous **phytoecdysone** *ecdysterone.* 029837
Metabolism of some **possible** *ecdysone* precursors in Calliphora stygia. 029414

ECHINOCHLOA
Weed-crop behaviour in pure and mixed stands of maize and *Echinochloa* **colona** Link. 028542
Influence of weed competition on sugarbeet yield [Polygonumlapathifolium, Chenopodium album, Commelina communis, *Echinochloa* **crusgali].** 028581
Synthesis and herbicidal activity of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, *Echinochloa* **crus-galli].** 028485

ECHINOCOCCOSIS
A note on an unusual case of *echinococcosis* **[Echinococcus** granulosus] in a buffalo (Bos bubalis). 024794

ECHINOCOCCUS
A note on an unusual case of echinococcosis *[Echinococcus* **granulosus]** in a buffalo (Bos bubalis). 024794

ECHINOCYSTIS
Ultrastructure of the endosperm of *Echinocystis* **lobata** (Cucurbitaceae) at the cellular stage. 025929

ECHIUM
The course of differentiation of the endosperm of *Echium* **vulgare** L. 025928

ECLOSION
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before *eclosion* or as **2-day-old** adults. 028867

ECOLOGISTS
The impact of Robert MacAruthur *[ecologist]* on **ecology.** 030801

ECOLOGY
Ecological **adjustment** of hormone controlled processes in Philosamia cynthia Dru. 029501
Agricultural *ecology* [Food production activities in the context of the world ecosystem]. 021698
The *ecology* of **algae** in the Moruya River, Australia. 025901
New data on the *ecology* of the **ant** Proformica ferreri Bondroit., with special reference to nurse workers. 029378
Ecological **aspects** of crop production. 025923
Ecological **aspects** of [animals, insects] spatial orientation. 029232
Butterfly *ecology.* 029230
Agroecological **characteristics** of growing conditions of avocados. 027292
Approaches to insect control based on **chemical** *ecology*—case studies [Callosobruchus chinensis, pests of stored products]. 028976
Ecological **chemical** evaluation of waste treatment procedures: the behavior of xenobiotics in waste composting. 030877
Biology, *ecology* and **control** of insects of native and introduced [forest] trees and shrubs on the Great Plains. 028939
Observations on lignicolous aquatic fungi *[Ecology,* **distribution,** wood destroying fungi]. 025377
Ecological **distribution** of micro-fungi in forest soils of Japan. 030212

The **distributional** *ecology* and diversity of benthic insects in Cement Creek, Colorado. 029322
The impact of Robert MacAruthur **[ecologist]** on *ecology*. 030801
What are *ecology* and the **ecosystem?** [Plants]. 025926
Ecological **effects** of timber clearng [Pinus, Picea]. 025237
On the phenomenon of *ecological* **equivalence** [Plant growth, environmental factors]. 026871
The *ecology* of **Eupatorium** odoratum L. II. Physiological studies of Eupatorium odoratum from the new and old world tropics. 025907
Inhibitors produced by algae as an *ecological* **factor** affecting bacteria in water ecosystems. I. Dependence between phytoplankton and bacteria development. 025854
The effect of *ecological* **factors** on the vertical distribution of micromycetes [including plant pathogenic fungi] in soils of East Georgia [USSR]. 025746
The evaluation of *ecological* **factors** in growing Jerusalem artichokes in submontane and montane regions. 027654
The forest **floor** *[Ecology]*. 025012
A night flowering fall Narcissus. Bulb formation and **flowering** *ecology* of Narcissus viridiflorus Schousboe. 027142
The presettlement vegetation of Williamson County, Illinois **[Forest** *ecology]*. 025890
Questions about the extreme **geochemical** *ecology* of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. 023947
"Migration" of blowouts in seagrass beds at Barbados and Carriacou, West Indies, and its *ecological* and **geological** implications. 025869
Toward a natural delineation of the area known as the Southern Appalachian **Highlands** *[Ecology]*. 025891
Microanalysis and *ecology* **[Insects].** 029433
Fallow land areas from the viewpoint of *ecology* and **landscape** development. 025899
Conditions and importance of **landscape** *ecological* investigations on turnover and balance sheets. 030897
Microbial *ecology* and erosion: domestication of soil microbes and erosion of the Plata River basin. 030583
An analysis of variation within white oak (Quercus alba L.) **[Morphology** and *ecology]*. 026069
Ecology of **moss-living** arthropods, by the light of factorial analysis of correspondances: Collembola and Oribata of Sidobre (Tarn, France). 029462
Natural *agro-ecological* regionalization of the lower Amu-Darya agricultural region. 021228
The *ecology* of the **nutrition** of the Bapedi, Sekhukuniland. 022082
Microsporidia in Simulium larvae: systematics; *ecological*, **pathological** and cytochemical data. 028992
Investigations on the *ecology* and **physiology** of the marine blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Spectral analysis in *ecology* **[Plants,** insects]. 025863
The **pollination** *ecology* of Delphinium tricorne (Ranunculaceae). 026356
The **pollinaton** *ecology* of Pedicularis (Scrophulariaceae) in the Yukon Territory. 026357
Seagrasses of south-western Australia with special reference to the *ecology* of **Posidonia** australis Hook F. in a polluted environment. 025871
For a synthetic approach of socio-economic and *ecological* **problems** of arid and semi-arid zones. 021124
The northern limit of forests on the eastern coast of Hudson Bay, New **Quebec** *[Ecology]*. 025914
Ecological **relationships** and breeding biology of the nutria (Myocastor coypus) in the Tampa, Florida, area. 024113
Knowledge of the ecosystems of semi-arid and arid zones in the Middle-East and North Africa: trend of *ecological* **research** in view of development. 025915
Population energetics and *ecology* of the **rock** grasshopper, Trimerotropis saxatilis. 029321
Development and *ecological* **significance** of the avian intestinal flora. 023424
Ecological **study** on the sand dune in the west coast of Taiwan. 025882
An *ecological* **study** on the strand vegetation of the Orissa Coast. 025905
Ecological **study** of the Tenebrionidae of the Lamto savanna (Ivory Coast). 029226
Ethological and *ecological* **system** of livestock husbandry [Horses, cows, care]. 023098
Phytogeographical relationships of the northern islands of the New Hebrides **[Woodland** *ecology]*. 025917

ECONOMETRICS

A user's guide to the *Econometric* **Analysis** System (EAS) [Economics, statistical methods, computer programs]. 021673
Econometric **model** of timber industry. 025475
A note on *econometric* **simulation** model for Canadian dairy industry. 023101

ECONOMICS

Norms for *economic* **acceptance** of new enterprises in the paper and pulp industry. 025398
Organizational and *economic* **activities** of state farms on newly developed lands [in Uzbek SSR]. 021286
Effect of *economic* **activity** on the state of water resources in West Germany. 030759
The managerial revolution in **agricultural** *economics* research. 021182
Basic features of **agricultural** *economics* in the Czechoslovak Socialist Republic. 021222
Comments to the article written by V. Marillai on "The problems of economic integration in **agricultural** *economic* research". 021270
Economics of **agriculture.** Reports and publications issued or sponsored by USDA's Economic Research Service, July 1972—June 1973 [Bibliographies]. 021187
Economic **analysis**—auditor training and field experience. 021317
Economic **analysis** of grain and oilseed production in Western Canada [Costs, returns]. 021374
The demand for beef in Japan: an *economic* **analysis** and implications. 021472
Statistical-economic **analysis** of the efficiency of milk production. 021819
Economic **analysis** of planting kawakami paulownia (Paulowniakawakamii Ito.) in Taiwan [Costs, returns]. 025079
Modest hydraulics in the service of the people: social and *economic* **analysis** of hydraulic operation of the lower Limpopo River [Water management, Mozambique]. 030715
Modest hydraulics in the service of the people: social and *economic* **analysis** of hydraulic operation [Water management, Mozambique]. 030716
An *economic* **approach** to the land utilization and value in relation to the land ownership. I. On the expensive land value in Kagoshima City which is below the average gain level. 021164
Impact of floods and flood management policy on **area** *economic* development and recovery. 030631
The *economics* of using **artificially** dried green crops in milk production [Dairy cattle, feeding costs]. 021410
The *economic* **aspect** of spastic paresis of the hind legs of Friesian cattle. 024917
Importance of essential oils in the development of lemon and bergamot culture in Italy *[Economic* **aspects].** 021188
Contribution of share farming to social peace in the country [Legislation, land reforms, *economic* **aspects,** Colombia]. 021218
Primary research in country planning: physical and human analysis of the agricultural production [Social and *economic* **aspects].** 021219
Dairy Products Manufacturers' Association, annual report *[Economic* **aspects].** 021220
Problems of agriculture in the mountainous regions of selected western European countries (review) *[Economic* **aspects].** 021224
Energy demand and water resource management: some *economic* **aspects** [Cost models]. 021350
Economic **aspects** of use of complete diets in milk production [Costs]. 021408
Economic **aspects** of cultivation of lilacs [Syringa, costs]. 021430
Economic **aspects** of cultivation and sale of cut Anthurium [andreanum, costs]. 021431
Economic **aspects** of peanuts [Marketing, trade, Argentina]. 021582
Economic **aspects** of producing and using mechanical pulp. 025506
Research in fruit culture and *economic* **aspects** oriented towards 1980. 027741
Economic **assessment** of an activity analysis model for water supply planning. 030790
The *[economic]* **basis** for an optimum machinery set up [on cotton growing farms]. 021405
Structural dependency, modes of production and *economic* **brokerage** in rural Peru. 021276
Effect of feed production on *economics* of **cattle** raising. 021817
Main features of the social and *economic* **changes** and the social regroupement of the agrarian population in some Transdanubian cooperative villages. 021117
Economic **construction** of silos. 029933
Frames or cabins having undergone the tests of the former codes of the Organization for *Economic* **Cooperation** and Development, with the indication of the tractors to which they fit. 030019
Field screening of new chemicals for herbicidal activity, 1975 *[Economic* **crops].** 028530
Irrigation for maximum yields *[Economic* **crops].** 030652
Economic **development:** result of private science and technology [Agriculture]. 021086
Agriculture and industry in *economic* **development** [Bibliography]. 021160
For a synthetic approach of *socio-economic* and **ecological** problems of arid and semi-arid zones. 021124
Economic **effectiveness** of the production of granulated mixed feeds [Costs, Mongolia]. 021415
Economic **effectiveness** of the application of mineral fertilizers in growing pine stands in Voronezh Region [Costs, returns]. 025106
Economic **effectiveness** of increasing the post-repair resources of [agricultural] machinery. 030158
Economic **effectiveness** of application of semi-liquid manure [Field crops]. 030555
Economic **efficiency** of [cotton] variety changing. 021401
To increase the *economic* **efficiency** of tobacco growing in the Crimea [Returns, prices]. 021447
Economics of **establishing** young pecan orchards [Costs, returns]. 021423
Acquisition of land by aliens: a land tenure problem for the **European** *Economic* Community. 021199
EEC (**European** *Economic* Community] agricultural policy. IV. Reform proposals in the enlarged community [Bibliography]. 021690
EEC [**European** *Economic* Community] agricultural policy. III. International trade [Bibliography]. 021691
Fruit culture in the **European** *Economic* Community [Programs]. 021729
Regulations concerning the highest level of harmful substances [in feed] in the German Federal Republic and the **European** *Economic* Community. 021764
European *Economic* Community regulation with reference to the raw material in contact with food: stainless steel. 021865
Meat temperature and EEC [**European** *Economic* Community]. 022716
Resource allocation in agricultural research using *socio-economic* **evaluation** and mathematical models. 021180
Economic **evaluation** of differences in planting densities [Bulbs, costs and returns]. 021356
Economic **evaluation** of hay harvesting methods [Costs]. 021365
An *economic* **evaluation** of different selection alternatives as means for improvement of milk protein yield [Dairy cattle, genetics]. 024152
On the *economic* **evaluation** of forest lands in Lithuania. 025123
Economic **evaluation** of chemical and biological methods [Cabbage, insect pests, control]. 028903
Economic **feasibility** of early retirement and disinvestment in farming. 021328
Yield response [of field crops and vegetables] to soil warming: *economic* **feasibility** [of utilizing energy production waste waters]. 021363
Preparation for the introduction of food irradiation in Brazil *[Economic* **feasibility].** 021392
Present status and prospects for the commercialization in Hungary of irradiated food items for human consumption *[Economic* **feasibility].** 021393
Prospects of onion irradiation in India *[Economic* **feasibility].** 021394
The *economic* **feasibility** of onion, potato and wheat irradiation in India. 021395
Decentralized tomato processing: plant design, costs, and *economic* **feasibility.** 022870
Economics of **fertilizing** pine [Pinus] stands in the Oberpfalz using calcium-ammonium nitrate. 030458
National legal regulations on **forest** *economic* unions [West Germany]. 025088
Effects of liquid manure management on the labor and *economics* of **grassland** and arable land farms [West Germany, Austria]. 030422
The *economics* of **greenhouse** production [Costs]. 021413
Bovine salmonellosis: Incidence, *economic* **implications,** epizootiology. 024648
Economic **importance** of tourism in Montana [Forests]. 025168
Comments to the article written by V. Marillai on "The problems of *economic* **integration** in agricultural economic research". 021270
Economic **issues** in programs of transferable development rights. 021196
Role of lactation in the nutrition of **low** *socio-economic* groups. 022081
Quality production of lamb meat from the **market** *economic* view. 021650
Economic **maturity** and ages of cutting areas. 025114
Economics of **mechanical** pulping in newsprint or how to choose a gold mine based on different energy cost scenarios. 025507
An *economic* **model** of Georgia's long-run timber market. 025476
Deeper collaboration in veterinary medicine among the **Mutual** *Economic* Assistance countries participating in increasing animal production and protection of human health. 024383
Prospects for the development of forestry in countries of the Council for **Mutual** *Economic* Assistance. 025049
A joint solution of problems of complex mechanization of forestry operations [Council for **Mutual** *Economic* Assistance]. 025462
Nature reserves as forms of protection were discussed by the Council of **Mutual** *Economic* Aid at a session in Poland. 030832
Economics of **nitrogen** fertilizer for corn [Costs]. 030509
The planning of working capital in wood chemistry industry under new conditions of *economic* **operation.** 025094
An *economic* **perspective** of village electrification programme in Pakistan. 029938
Economics of **pineapple** production under various planting densities. 027760
Using phenoxy herbicides effectively *[Economic* **plants].** 028517
Point of no return *[Economic* **policy].** 021703
The *economic* **problems** of milk schemes in developing countries [Marketing]. 021653
Economics of **producing** nutrients from cellulose [Food or feed additives]. 022430
Economics of **production** of hybrid cotton seeds utilising male-sterile line. 021377
The *economic* **reasibility** of processed animal waste [Feed]. 023081
Magnitude of influence of the Central European forestry organizations with special regard to administrative legal, *economic* and **regional** aspects. 025087
Factors in German agricultural economy in the second half of the 19th century. Industrialization, *economic* **regressions** and structure stabilizing advances. 021232
Tenancy and **relative** *economic* efficiency [Farming]. 021245
Rural development in the Great Plains: problems and potentials. Seminar of the Great Plains **Resource** *Economics* Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. 021737
Some *agro-economic* **results** obtained, one part by the National Institute of Management and Rural Economy, with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of Agricultural Machinery, with its network of agricultur. 021166
Economics of **rural** ambulance service in the Great Plains [Health]. 021073

Notes on the interlake FRED [Fund for **Rural** *Economic* Development] evaluation approach [Policies]. 021701
Selected *socio-economic* characteristics of Kohistan and Panjsher districts, Kapisa province, Afghanistan [Rural areas]. 021130
A user's guide to the Econometric Analysis System (EAS) *[Economics,* **statistical** methods, computer programs]. 021673
Achievement motivation, *socio-economic* **status** [of farmers] and the green revolution. 021758
Quality of production and *economic* **structure** of farms. 021348
An *economic* **study** of the unox and conventional aeration systems [Sludge treatment]. 030974
Minimum cultivation of soil from the viewpoint of crop rotation productivity and *economics* **[Sugarbeet** culture]. 027547
Effects of modern pollution control standards on the design and *economics* of **sulphuric** acid plants. 030967
The *economic* **threshold** of infestation for the cotton bollworms [Pectinophora gossypiella, Earias insulana] on yield in Egypt. 028801
A study on estimating genetic combing. Ability of *economic* **traits** in single crosses of single combing White Leghorns. 024203
Studies on heritability and genetics correlation among *economic* **traits** in domestic fowl. 024206
Economics of **tree** production on farms in the Great Plains. 025096
Economics of agriculture. Reports and publications issued or sponsored by **USDA's** *Economic* Research Service, July 1972—June 1973 [Bibliographies]. 021187
Problems facing dairy products manufacturers and effective and *economic* **utilisation** of surplus milk products. 022588
Do ornamental trees and bushes have an *economic* **value?** 027801
Warm **water** *economics* in breweries. 022397
Nutrition, human **welfare,** and *economics.* 022126

ECONOMIES

Cattle **feeding** *economies* of size revisited. 021257
Handicrafts: a source of employment for women in developing **rural** *economies.* 021114

ECONOMISTS

Opportunities and tools for **agricultural** *economists* in the 1980's. 021702
Spotlighting professionalism [Extension **home** *economists].* 022229

ECONOMY

Factors in German **agricultural** *economy* in the second half of the 19th century. Industrialization, economic regressions and structure stabilizing advances. 021232
Progress of the **agricultural** *economy* in 1975. 021716
Economical-statistical **analysis** of causes of different returns in socialist agricultural enterprises. 021360
Analysis models for polyculture-cattle husbandry enterprises. III. **Basic** *technical-economical* data in the Noordelijke Bouwstreek region (Netherlands). 021280
Technical and *economical* **comparison** of large-scale automatized milking machines. 030103
Are fluid feeding **devices** *economical?* 021380
Present situation and prospects of **energy** *economy* in agriculture. 029972
Government programs for the **farming** *economy* in the Great Plains. 021734
Animal husbandry and 1975 **feed** *economy* in the Rhineland Palatinate. 023129
Hygiene, good sense and *economy* **[Food** industry]. 021967
Investigations on the biology, distribution, *economical* **importance** and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli [Pest of cereals]. 028794
Expanded whey and lactose usage **means** *economy,* improved products. 022565
Plans for *economical* **measures** in the poultry industry. 023097
Measures taken for strengthening the **Mexican** *economy* [Exports]. 021598
The Moscow canal—a large water-supply complex and its significance in the **national** *economy.* 030781
Peasant *economy* and collective farming according to the opinion of J. Tepicht. 021323
How nutrition research has improved the *economy* of **poultry** production. 023820
Economical **prospects** of protected cultivation [Costs, prices, returns]. 021357
Some agro-economic results obtained, one part by the National Institute of Management and **Rural** *Economy,* with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of Agricultural Machinery, with its network of agricultur. 021166
Economical **sales** system for dairy packaging. 021601
Basic directions of investigations for control and *economy* of **water** management. 030656
Economical **winter** feeding of dairy cattle. 023742

ECOSYSTEMS

Environmental data acquistion **[Agricultural** *ecosystems].* 021090
The effect of higher trophic level components in an **aquatic** *ecosystem* model [Pollution]. 030861
The content of polychlorinated hydrocarbons in **Arctic** *ecosystems.* 029174
Research Natural Area needs in the Pacific Northwest; a contribution to land-use planning. Report on Natural Area Needs Workshop; November 29—December 1, 1973, Wemme, Oregon **[Forest** *ecosystems].* 025167
Population genetical structure and the interaction genotype X environment as productivity factors of **forest** *ecosystems.* 025233
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated **freshwater** *ecosystem* [Nitella flexilis, algae, Elodea. 030650
Application of carbon isotope fractionation by plants to *ecosystem* **investigations.** 026856
The rumen **microbial** *ecosystem.* 023245
Studies on the techniques of fractionation of bacteria in rumen **microbial** *ecosystem.* 023428
Laboratory **model** *ecosystem* evaluation of the chemical and biological behavior of radiolabeled micropollutants. 030880
Micro-ecosystem **monitors** [Colletotrichum gloeo for biological control of Aeschynomene in rice]. 028487
What are ecology and the *ecosystem?* **[Plants].** 025926
Field investigations on Aedes fitchii mosquito populations in a woodland **pool** *ecosystems.* 029043
Stress and its **relation** to the *ecosystem.* 025906
Insecticide residues in the Tuttle Creek **Reservoir** *ecosystem,* Kansas—1970-71. 029149
Knowledge of the *ecosystems* of **semi-arid** and arid zones in the Middle-East and North Africa: trend of ecological research in view of development. 025915
Steppe *ecosystem* of Aisen Province, Chile. 025857
An evaluation of chloroplast pigment characteristics as an indicator of successional status in **terrestrial** *ecosystems.* 025859
Stability in **time-varying** *ecosystems.* 025860
Inhibitors produced by algae as an ecological factor affecting bacteria in **water** *ecosystems.* I. Dependence between phytoplankton and bacteria development. 025854
Agricultural ecology [Food production activities in the context of the **world** *ecosystem].* 021698

ECOTYPES

Observations on the behavior of **certain** *ecotypes* and hybrids of the bee (Apis mellifera carpatica) from the Carpathians. 029863

ECTODESMATA

Relation between *ectodesmata* and **infection** of wheat leaves by wheat streak mosaic virus. 028163

ECTOPARASITES

Use of quill comb in the diagnosis of *ectoparasites* **[Fleas,** lice, Cheyletiella and forage mites, animals]. 029075
Insect *ectoparasites* of poultry in India and their control [Insect pests]. 029018
Ectoparasites [of the **willow** grouse and the ptarmigan] in Norway [Lice]. 029014

ECTOPIA

Use of an inclined plane for correction of *ectopic* **mandibular** canine tooth in a dog. 024394

ECTOPSOCUS

Records of two species of *Ectopsocus* **McLachlan** (Psocoptera: Ectopsocidae) from one Tree Island, Queensland. 029608

ECZEMA

Facial *eczema* on a Taranaki farm [Dairy cattle, sheep]. 024505
Facial *eczema*—the importance of litter and control [Dairy cattle]. 024506

EDEMA

Practical experiences in the treatment of *edema* **disease** of swine. 024728
Effect of continuous positive-pressure ventilation (CPPV) on *edema* **formation** in dog lung. 023462
Serum coloidal osmotic pressure in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and *oedema* **[Malnutrition].** 022058
Induction of **pulmonary** *edema* and emphysema in goats. 024883

EDIBLE *see* FOOD

EDUCATION

Agricultural *education* in England before 1914. 021069
Agricultural *education.* 021120
Modernization of the **agricultural** *education* in Angola. 021143
Michigan dairymen indicate demand for veterinary services and **client** *education.* 024302
The first engineers-technicians from Wadenswil **[Horticulture,** *education].* 027839
Students' opinion on merits and demerits of the new system of *education* **introduced** in agricultural universities. 021113
The public seminar as a **nutrition** *education* approach. 022132
Targets taking shape for *education,* **research** [Cooperatives]. 021123
Silvicultural *education* and research at the University of Forestry and Timber Industry, Sopron. 025183

EELWORMS

The effect of prewarming, presoaking and hot water treatment on the growth of Narcissus and control of **stem** *eelworm* (Ditylenchus dipsaci (Kuhn) Filipjev). 028311

EFFLUENT

Thermal and catalytic purification of *effluent* **air** [Food processing industry]. 030896
Treatment of **brewery** *effluent.* 021083
Nutritional evaluation of protein from shrimp **cannery** *effluent* (Shrimp Waste Protein). 023748
White water—savealls [Paper mills, *effluent* **control].** 030810
Tertiary purification of **domestic** *effluents* [Water pollution]. 030852
Methods of comprehensive investigation of state of rivers and determination of causes of their pollution by industrial and **domestic** *effluents.* 030983
Protracted and low load biological processes [Sugar **industry** *effluents].* 030990
Effluent **irrigation** as a physicochemical hydrodynamic problem. 030714
Color removal from **kraft** *effluent* by ultrafiltration with new polymeric membranes [Pollution]. 030968
Purification of **odorous** *effluent* gases by oxidation using sodium chlorite [Food processing industry]. 030895
Survival of enteroviruses on vegetables irrigated with chlorinated oxidation **pond** *effluents* [Wastewater treatment]. 021904
Microbiological processing of some natural **product** *effluents.* 030909
Chemical, physical and biological composition of "typical" **secondary** *effluents.* 030954
Land-spreading of **secondary** *effluents.* 030955
The use of insitu algal assays to evaluate the effects of **sewage** *effluents* on the production of Shagawa Lake phytoplankton. 030863
Virus consideration in land disposal of **sewage** *effluents* and sludge. 030956

EGGPLANTS

The structures of some stress metabolites from Solanum **melongena** *[Eggplants].* 027156
The starch content of chloroplasts in fruit-bearing and **nonfruit-bearing** *eggplants* and strawberries. 027116
Relative toxicity of some important insecticides to the adults of lacewing bur Urentius echinus Distant (Heteroptera: Tingidae) *[Eggplant* **pests].** 028846
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), *eggplant* (**Solanum** melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
A new fruit rot of *brinjal* (**Solanum** melongena L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. 027942
Determination of the optimum sowing date for *eggplant* and **sweet** pepper grown in the Sudan for export. 027597
Influence of methyl bromide fumigation on *eggplant* **[toxicity]** in relation to fertilization with ammonium sulphate. 028365
Evaluation of *brinjal* **varieties** for resistance to shoot and fruit borer, Leucinodes orbonalis Guen. 028863

EGGS

Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with *eggs* or **adults** of the Indian meal moth [Plodia. 028983
The viability of the *eggs* of the **African** armyworm, Spodoptera exempta in laboratory cultures. 029337
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the *eggs* of **Anagasta** kuehniella Zeller [Insect pests, biological control]. 028687
Incubation **[Avian** *eggs* including poultry]. 024035
Stroncium content of poultry **bones** and *egg-shell.* 022723
British *egg* testing results [Feeding]. 023739
The transference of dietary mercury to the *eggs* in **chickens.** 023931
Is your cage-floor raising "seconds"? *[Egg* **collection,** shell damage]. 022730
Lesser peachtree borer [Synanthedon pictipes, pest of stonefruits]: the effect of temperature and humidity on *egg* **development.** 028851
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 *egg* **development** [Apples, pest control]. 028865
Alteration of *egg* **diapause** in Bombyx mori by ouabain injected into diapause egg producers. 029835
Egg **drop** syndrome (EDS) [Poultry]. 024844
Comprehensive evaluation of fatty acids in foods, part 3, *eggs* and **egg** products. 022120
Sampling dormant apple twigs to estimate the density of *eggs* of the **European** red mite [Panonychus ulmi]. 028852
Storage of **fresh** *eggs* under commercial and private conditions. 022722
Spider mite [Tetranychus cinnabarinus] webbing. II. The effect of webbing on *egg* **hatchability.** 029194
Quality **hatching** *eggs.* 024163
Significance of CELO virus contamination of **hatching** *eggs,* in view of its oncogenic properties. 024414
Morphological and chemical indices of *eggs* of **hybrid** and line-bred poultry with varying levels of nutrition. 024241

The metabolism of p,p'-DDE [dichlorodiphenyl dichloroethylene] in laying Japanese quail and their **incubated** *eggs*. 024946
The *egg* & you; an **industry** study. 022302
Heritability of **internal** *egg* quality traits in White Leghorn birds [Chickens]. 024079
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of *egg* **laying** and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). 028824
Observations on *egg* **laying** of four Odonata of the genus Lestes (Zygoptera: Lestidae) in Quebec. 029451
Observations on the *egg* **laying** and sleeping habits of Euparagia scutellaris Cresson (Hymenoptera: Vespoidea). 029468
Observations on the rate of *egg* **laying** of some grasshoppers (Orthoptera, Acridiidae). 029502
Effects of lipids on the stability of lysosomes in vitro. I. Effects of *egg* **lecithin,** lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. 023403
Effects of spray-drying and freezing on the proteins of **liquid** whole *egg*. 022728
Egg **marketing.** 021581
Residues of [antibiotic] drugs in *eggs* after **medication** of laying hens for eight days. 021832
In vitro hatching of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the *egg* **membranes** [Sheep]. 024789
Structure and formation of *egg* **membranes** in Aedes aegypti. (L.) (Diptera: Culicidae). 029388
Distribution of Rhyacionia **neomexicana** *eggs* within ponderosa pine [Pinus ponderosa] trees. 028919
Effects of in-vitro treatment of boar spermatozoa with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of **pig** *eggs*. 024118
Production and marketing costs and margins for **poultry** and *eggs*. 021426
Studies on the effect of the alteration in the internal environment of **poultry** *egg* on embryonic growth. V. Effect of albumin removal on embryonic growth in chickens. 023661
Transportation and culture of Tytthus mundulus *[egg* **predator** of the sugarcane leafhopper, Perkinsiella saccharicida in Australia]. 028756
Review of the agricultural situation in Europe at the end of 1974. Volume II. Dairy products, *eggs* [**Production,** consumption, trade, statistics]. 021489
Control in *egg* **production;** a summary. 023112
Effect of restricted feeding during the growing period on the body weight and *egg* **production** of Japanese quail, Coturnix coturnix japonica. 023688
Effect of different combinations of lysine and sulphur-containing amino acids on *egg* **production** of laying hens. 023690
A comparison of the effects of two low-calcium diets on *egg* **production** in the domestic fowl. 023710
Poultry breeding for *egg* **production.** 024076
Lighting for [chicken] *egg* **production.** 029899
Comprehensive evaluation of fatty acids in foods, part 3, eggs and *egg* **products.** 022120
High **quality** *eggs* producer to consumer [Processing]. 022724
Nutrition plays a big part [Chickens, *egg* **quality**]. 023813
Nuclear transplantation in the **rabbit** *egg*. 024157
The role of calcium ions in fertilization of mouse and **rat** *eggs* in vitro. 024131
Effect of light on *egg-laying* **rate** and mating speed in phototactic strains of Drosophila. 029456
Fractionation of the lipids of **raw** *egg*. 022729
Subcutaneous injections of **raw** *egg* white into growing pigs [Nutrition]. 023901
Efficiency of part record selection to improve annual **record** *egg* production in chickens [Genetics]. 024078
Mercuric chloride uptake by *eggs* of the **ricefish** and resulting teratogenic effects [Pollutants of aquatic environments]. 030813
An evaluation of two **shell** *egg* marketing systems [Costs]. 021411
Mitochondria and polarity in the *egg* of **Smittia** spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Studies on establishment of SPF [specific pathogen free] chicken flocks and **SPF** *egg* production. 024691
Effects of gamma radiation on the *egg* **stage** of the southern cowpea weevil, Callosobruchus maculatus F. 028895
Biosystematics of the genus Euxoa (Lepidoptera: Noctuidae). IV. *Eggs* of the **subgenus** Euxoa Hbn. 029551
Day-length during rearing and the **subsequent** *egg* production of meat-strain pullets [Chickens]. 023337
Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of silk **substance** and *eggs*. 029776
Study of a sex linked dwarfing gene in the fowl: oviposition time and characteristics of the **successive** *eggs* in laying sequences. 024021
Application of the *egg* **transfer** tecnique in cattle and sheep. 024176
Southern corn rootworm [Diabrotica **undecimpunctata** *howardi]eggs* in soybean fields. 028741
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of **viral** *egg* transmission by reovirus-infected broiler breeders. 024439
Eggs and **wax** secretion of Kermes kingi [Quercus rubra]. 028920
Vitellogenin synthesis in the avian liver: vitellogenin in the precursor of the *egg* **yolk** phosphoproteins. 023491
Cholesterol content and fatty acid composition in *egg* **yolks** and blood plasma of poultry [Dietary effects]. 023717

EGGSHELLS

Blood calcium levels and the mechanism of DDE [dichlorodiphenyl **dichloroethylene**]-**induced** *eggshell* thinning [Doves, ducks]. 024950
The effects of levels of calcium, phosphorus and vitamin D on bone deveopment and *eggshell* **quality** in modern laying hens. 023825

EICHHORNIA

The water **hyacinth** *(Eichhornia* crassipes Solms) in the Nile system, Egypt. 025608
Influence of nutrient additions and initial density of plants on production of water **hyacinth** *Eichhornia* crassipes. 026372

EIMERIA

Effect of mode of infection on manifestation of symptom and oocyst production in chicken coccidiosis. II. Mixed infection with *Eimeria* **acervulina** and Eimeria tenella. 024621
Scanning electron microscopy of the duodenal mucosa of chickens infected with *Eimeria* **acervulina.** 024664
Structure and mode of function of the organelles associated with nutrition of the macrogametes of *Eimeria* **acervulina** [Chickens]. 024791
A fine structural study of asexual stages of the murine **coccidium** *Eimeria* ferrisi Levine and Ivens 1965. 024788
Survey of drug resistance of chicken coccidia *[Eimeria]* **collected** from Japanese broiler farms in 1973. 024633
Eimeria **falciformis** (Eimer, 1870) in specific pathogen freeand gnotobiotic mice [Laboratory animals]. 024661
Field surveys on coccidial *[Eimeria]* **infection** in broilers in Japan—results obtained in autumn and winter and summarized in 1973. 024631
Relative value of *[Eimeria]* **oocyst** counts in evaluating anticoccidial activity [Chickens]. 024447
Interaction of aflatoxin with *Eimeria* **tenella** infection andmonensin in young broiler chickens. 024442
Response of chickens with genetically different hemoglobin types to infection with *Eimeria* **tenella** and mechanical bleeding [Chickens]. 024448
Effect of mode of infection on manifestation of symptom and oocyst production in chicken coccidiosis. II. Mixed infection with Eimeria acervulina and *Eimeria* **tenella.** 024621

EISENIA

Production of compost from refuse by rearing the **earthworm** *Eisenia* foetida (Savigny 1826). 030259

EJECTION

Milk *ejection* in the rat: reversible blockade of hypothalamo-neurophypophysial and sympathetico-adrenal pathways by radio- frequency currents. 023519

ELAEAGNUS

Regulation of seed dormancy in *Elaeagnus* **umbellata** by endogenous growth substances. 027155

ELAEOCARPUS

Anatomical characters and identification of tropical woods. I. *Elaeocarpus* and **Sloanea** (Elaeocarpaceae). 025272

ELASMOPALPUS

Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, *Elasmopalpus* **lignosellus,** Frankliniella tritici] in seedling grain sorghum. 028742

ELASTICITY

Arterial *elastic* tissue and collagen in experimental poststenotic dilatation in dogs. 023402
Effect of gibberellic acid on the plasticity and *elasticity* of **Avena** [sativa, oats] stem segments. 027020
[Xanthan gum from Xanthomonas campestris] for strength and *elasticity* [**Protein** sources]. 021995

ELASTIN

Molecular mobility and structure of *elastin* **deduced** from the solvent and temperature dependence of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. 023301

ELATERIDAE

Occurrence and development of Agriotes lineatus (Coleoptera, *Elateridae)* in the **European** USSR [Agricultural soil pests]. 029475
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: *Elateridae)* to **germinating** grain and to carbon dioxide. 029290

ELECTRICITY

A study on *electrical* **activity** of medial basal cells in the hypothalamus of the ewe following intravenous administration of estrogen. 023347
Electrical **activity** of phrenic nerve and diaphragm in utero [Pregnant ewes]. 024096
Electrical **behaviour** of inner and outer smooth muscle of sheep carotid artery. 023591
Study of *electrical* **drainage** as applied to clay soil in a land creep zone. 030667
Action of magnetic and *electric* **fields** on the growth and mutation rate of various microorganisms [Escherichia coli, bacteria, Penicillium chrysogenum, fungi]. 026370
Electric **heating** of swine houses. 029951
Electric **heating** of hotbeds [Horticultural ezuipment, vegetables]. 030079
Measuring *electric* field distribution in a microwave oven [Food processing]. 022433
Electric **pacing** of intact and transected canine small intestine and its computer model. 023210
Effect of *electric* **potential** on spontaneous ultraweak chemiluminescence of plants [Peas]. 027165
Electrical **potentials** during water entry into an air-dry mixture of sand and kaolinite [Soil-particle surfaces]. 030338
On some features of systems of *electric* **power** supply for forest enterprises. 025036
Vocal reactions of chickens to different parameters of *electrical* **stimulation** of midbrain. 023524
Electrical **stimulation** of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. 023599
Natural convection heat transfer in covered plant canopies *[Electrical* **system].** 029880
Effect of heated water of **thermal** *electric* power plants on the oxygen regime of a stream. 030760
Vertical *electrical* resistivity soundings to locate ground water resources: a feasibility study. 030641

ELECTRIFICATION

Alternative strategies for locating transmission lines [**Rural** *electrification].* 029914
An economic perspective of **village** *electrification* programme in Pakistan. 029938

ELECTROCARDIOGRAPHY

Analysis of *electrocardiogram* of **Dalmatian** dogs. 024353
Pathological morphological variations of *electrocardiogram* [**Dogs, heart diseases, diagnosis**]. 024892
Relationships between the wave form of *ECG* [**electrocardiogram**] and the morphological properties of the heart in the developing chick embryo. 023575
Theoretical **foundations** of *electrocardiograms*. 024351
Relationships between the wave form of ECG *[electrocardiogram]* and the **morphological** properties of the heart in the developing chick embryo. 023575
Normal *electrocardiogram* in dogs. 024349
Electrocardiographic **signs** of adrenocortical insufficiency with hypercalcemia in the dog. 024929

ELECTROCHEMISTRY

Study of *electrochemical* and **physicochemical** properties of clay minerals and their mixtures and of some soil clays to characterise their clay mineralogy. 030320
How is luteinizing hormone released in response to *electrochemical* **stimulation** of the hypothalamus? [Rats]. 023517

ELECTROGENESIS

Electrogenic **sodium** pumping in rabbit small intestinal smooth muscle. 023211

ELECTROLYTES

Effect of parenteral iron [supplementation] on **serum** *electrolytes* [Swine]. 023890

ELECTRONICS

Application of the **B-V** *electronic* hairness tester to the cotton yarns: nature and efficiency of the measure. 022768
The pay-off from *electronics* **controls,** part 4: security systems short-circuit theft. 022335
Interpretation of vegetable oil analyses through EDP *[electronic* **data** processing]. 022817
On the use of the **Minsk-22** *electronic* computer in processing forest management data. 025124

ELECTRONS

Ultrastructural and *electron* **cytochemical** studies of Entomophthora coronara [Fungi]. 025943
Chemically induced **dynamic** *electron* polarization in chloroplasts at room temperature: evidence for triplet state participation in photosynthesis. 026809
Rapid high-resolution **immune** *electron* microscopy of plant viruses. 028281
Histochemical localization of trehalase activity in dorsal flight muscle of the flesh fly Sarcophaga bullata with **lightand** *electron* microscopy. 029403
Observation by means of *electron-microscope* on the **location** of fungi in plant gall. 027974
Aortic heterografts. *Electron* **microscope** study [Swine]. 023604
Ovogenesis and fertilization of Ascaris lumbricoides [suum]: *electron* **microscope** study. 024701
Electron **microscope** studies of reticulated cellular structures induced by baculoviruses in Lepidoptera. 029265
A light and *electron* **microscopic** study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free salt solution. 023383

Electron **microscopic** study of bacteria in the intercellular spaces of the root cap of Luzula purpurea Link [Symbiotic associations]. 026034
Electron **microscopic** observations on the meiotic karyotype of diploid and tetraploid saccharomyces cerevisiae [Yeasts]. 026236
Electron **microscopic** study of several fungal viruses. 027969
Electron **microscopical** study of initial and final stages of fowl plague virus-replication in chick embryo cells. 024421
Electron **microscopical** investigations of the Normapolles group and some other selected European and North American angiosperm [fossil] pollen. I. 025796
The avian erythrocyte: a study of fixation for *electron* **microscopy.** 023530
Electron **microscopy** studies of a developing Pythium oogonium. 025978
Electron **microscopy** of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. 025995
A study of the chromosomes of the yeast Schizosaccharomycespombe by light and *electron* **microscopy.** 026002
Electron **microscopy** of virus-infected cultivated mushroom and of an ascomycete fungus. 028238
Light and *electron* **microscopy** of broadbean wilt virus intracellular inclusions. 028252
Light and *electron* **microscopy** of the hepatopancreas of the isopod Acellus intermedius. 029293
Notes on the fixation methods of apterygota insects for *electron* **microscopy.** 029445
The activation of **non-phosphorylating** *electron* transport by adenine nucleotides in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. 027125
E.P.R. *[Electron* **paramagnetic** resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Temperature-induced phase changes on the kinetics of **photosynthetic** *electron* transfer in winter and spring wheat chloroplasts. 026908
Effect of vitamin K3 on **photosynthetic** *electron* transport [Peas]. 027132
Studies on lignin-carbohydrate-complexes by high **resolution** *electron* microscopy. 025365
In vitro culture of the proximal tubule of the bovine nephron. Transmission and **scanning** *electron* microscopy. 023359
A comparative study in the transmission electron microscope and **scanning** *electron* microscope of intracellular structures in sheep heart muscle cells. 023529
Scanning *electron* microscopy of the ependymal cell surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685
A **scanning** *electron* microscopic study of rabbit spermatozoa in the female reproductive tract following coitus. 024054
Scanning *electron* microscopy of the duodenal mucosa of chickens infected with Eimeria acervulina. 024664
A **scanning** *electron* microscope study of Eperythrozoon wenyoni [on erythrocytes of a calf]. 024719
Observing carbide-tipped cutters through the **scanning** *electron* microscope. 025375
Scanning *electron* microscopy of basidiospores as an indication of relationships among hypogeous Gasteromycetes [Fungi]. 025780
Scanning *electron* microscopy of pollen grains of the European species Erica L. 025964
Scanning *electron* microscopy of the septal pore apparatus of Rhizoctonia solani. 025984
A preparatory technique for examination of imperfect fungi by **scanning** *electron* microscopy. 026000
Transmission and **scanning** *electron* microscopy of changes associated with microcyst formation in the myxamoebae of Physarum polycephalum [Fungi]. 026001
A simple method for exposing plastic embedded structures for **scanning** *electron* microscopy [Peristome teeth of the moss Funaria hygrometrica]. 026028
A **scanning** *electron* microscopic survey of the surface of sensitive tendrils [Eccremocarpus scaber, Bryonia dioica]. 026030
Study of spores of operculate Discomycetes [Fungi] under **scanning** *electron* microscope. I. Morchellaceae. 026046
Scanning *electron* microscopy of trichomes of Cheilanthes (Sinopteridaceae). 026759
An SEM [**scanning** *electron* microscope] study of stridulatory structures of a grasshopper [Paktia gardezae] from Afghanistan. 029212
A **scanning** *electron* microscope study of cucumber nectaries, Cucumis sativus. 029391
Scanning *electron* microscope (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to hydraulic conductivity. 030344
A comparative study in the **transmission** *electron* microscope and scanning electron microscope of intracellular structures in sheep heart muscle cells. 023529
Ascorbic acid and *electron* **transport.** 022018
Reduction of oxygen by the *electron* **transport** chain of [spinach] chloroplasts during assimilation of carbon dioxide. 027140
Mitochondrial structure studied by high **voltage** *electron* microscopy of thick sections of Candida utilis [Yeasts]. 026026

ELECTROPHORESIS

Mating in Chlamydomonas: a system for the study of specificcell adhesion. I. Ultrastructual and *electrophoretic* **analyses** of flagellar surface components involved in. 026020
Studies of leucosis and specific antibodies in sera of leucotic cattle and sheep by immuno and **countercurrent** *electrophoresis.* 024805
Electrophoretic **determination** of proteins in grapes and wine. 022990
Electrophoretical **differentiation** and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, sugar-maize and onions. 023003
Inter- and intraspecific relationship between two native Greek diploid Aegilops species by **esterase** *electrophoresis.* 025609
Utilization of edible protein from meat industry by-products and waste. V. The characterization of extracted proteins, using polyacrylamide **gel** *electrophoresis.* 022505
Studies on groundnut proteins. IV. Effect of storage or proteolysis on the **gel** *electrophoresis* pattern of arachin. 022776
Matrix-bounded enzyme. II. Potato phosphorylase entrapped in polyacrylamide gel after **gel** *electrophoresis.* 022898
SDS [sodium dodecyl sulfate] polyacrylamide **gel** *electrophoresis* of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Complexes of haemoglobin and hem-protein in sera of mammals. II. **Immune** *electrophoretic* researches [Swine, cattle]. 024463
Electrophoretical differentiation and classification of proteins. VI. *Disc-electrophoresis* and **isoelectrical** focusing of proteins and enzymes from tomatoes, cucumber, sugar-maize and onions. 023003
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of **low** *electrophoretic* mobility. 029384
Application of *disk-electrophoresis* **method** to investigate tissues of silkworm [Bombyx mori] larvae infected by nuclear polyhedrosis virus. 029796
A **new** *electrophoresis* method and its application for revealing the heterogeneity of the chromatographically homogeneous fractions of soybean proteins. 022841
Total proteins and the *electrophoretic* **pattern** of serum protein in normal Rajasthani sheep. 023434
The analysis of bee moth larval tissue proteins by the method of *electrophoresis* in **polyacrilamide** gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and **polyacrylamide-gel** *electrophoresis.* 028279
The influence of frozen storage on the *electrophoresis* of **serum** protein in domestic animals. 023667
Electrophoretic **variation** of red cell enzyme systems in farm animals. 023237

ELECTROPHYSIOLOGY

The *electrophysiology* of **transduction,** retinal interaction and axonal conduction in invertebrate photoreceptors [Includes insects]. 029314

ELECTROSTATIC

Electrostatic side **chain** complementarity in [steerskin] collagen fibrils. 023533

ELEOCHARIS

Eleocharis **acicularis** (L.) R. & S.: The autecology of an acid tolerant sedge. 025886
Peeling of Chinese waterchestnuts *[Eleocharis* **dulcis].** 022935

ELEODES

Temperature preferences of two species of *Eleodes* **beetles** (Tenebrionidae). 029470

ELEPHANTOPUS

Contributions to the flora of Florida. 7. Elephantopus, *Pseudo-elephantopus* **(Compositae).** 025669

ELEUSINE

Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of *Eleusine* **coracana,** an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of *Eleusine* **coracana,** an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600

ELMS

Penetration of oil-borne [wood] preservative in **American** *elm* [Ulmus americana]. 025477
Dutch *elm* disease [Ceratocystis ulmi] concludes its westward march through North America. 028038
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the *elm* **spanworm,** Ennomos subisgnarius (Hubner). 028933

ELODEA

The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, **algae,** *Elodea.* 030650

ELONGATION

Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in **actively** *elongating* plant cells [Mung beans, pea, celery]. 026024
Effect of copper on root **cell** *elongation* and germinability of seeds of fine-fibered cotton. 026971
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on *ribosome-elongation* **factor** G- dependent reactions [Calf intestines]. 023305
Elongation of **fatty** acids by mocrosomal fractions from the brain of the developing rat. 023276
Mechanical inhibition of **hypocotyl** *elongation* induces radial enlargement [in soybean seedlings]; implications for cytokinin action. 027024
Effects of B995 application on double cosmos (Cosmos bipinnatus) with special reference to the inhibition of **peduncle** *elongation.* 027145
The influence of storage temperature and 2-chloroethylphosphonic acid (ethephon) on **shoot** *elongation* and flowering in tulips. 027091

ELYMUS

Contribution of leaves and stems to yield and quality of Russian wild ryegrass [Elymus junceus] and Altai wild ryegrass *[Elymus* **angustus].** 023019
Seedling competition of some grasses [Agropyron, *Elymus]* in **mono-** and mixed culture under greenhouse conditions. 027384

EMBEDDING

A simple method for exposing **plastic** *embedded* structures for scanning electron microscopy [Peristome teeth of the moss Funaria hygrometrica]. 026028
Norms and dates of planting and *embedding* of **seeds** of polyploid sugarbeets. 027561
Fibrin membrane endowed with biological function. II. Chloroplast adenosine **triphosphatase** *embedded* in fibrin membrane. 026394

EMBRYO

Ultrastructural characteristics of *embryo* **cellular** walls obtained from protoplasts of Antirrhinum majus. 026065
Histochemical and histoenzymological investigations of the vertebral chondrogenesis in the **chick** *embryo.* 023240
Precocious development of glucuronidating and hydroxylating enzymes in **chick** *embryos* treated with pituitary grafts. 023284
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [**Chick** *embryos,* cattle]. 023288
Intermediates in the limited proteolytic conversion of procollagen to collagen [**Chick** *embryos].* 023299
Production by creatine of creatine kinase B synthesis in developing monolayer culture muscle cells [**Chick** *embryos].* 023312
The response of **chick** *embryos* to exogenous parathyroid hormone. 023418
Effects by heme, insulin, and serum albumin on heme and protein synthesis in **chick** *embryo* liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Differential effect of hormones on macromolecular synthesis and mitosis in **chick** *embryo* cells. 023493
Mobility of normal and virus-transformed cells in cellular aggregates [**Chick** *embryos].* 023496
Synthesis of myosin heavy and light chains in muscle cultures [**Chick** *embryos].* 023498
The behavior of fibroblasts from the developing avian cornea. Morphology and movement in situ and in vitro [**Chick** *embryos].* 023499
Relationships between the wave form of ECG [electrocardiogram] and the morphological properties of the heart in the developing **chick** *embryo.* 023575
Estrogen target sites in the brain of the **chick** *embryo.* 023653
Triploidy and haploid-triploid mosaicism among **chick** *embryos* (Gallus domesticus). 024059
Binding of polyriboinosinic-polyribocytidylic acid with cultured cells [Mice, **chick** *embryos,* rabbits]. 024419
Electron microscopical study of initial and final stages of fowl plague virus-replication in **chick** *embryo* cells. 024421
Regulation of sugar transport in **chick** *embryo* fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
In vitro radiolabeling procedure which labels the proteins of Newcastle disease virions with carbon-14 [**Chick** *embryos].* 024575
Focus assay and defectiveness of avian myeloblastosis virus [**Chick** *embryos].* 024764
Demonstration of immunoreactive retinol-binding protein and prealbumin in developing **chicken** *embryo.* 023582
Studies on propagation and cytopathogenicity of fowl pox virus (Beaudette strain) on **chicken** *embryo* fibroblasts. 024568
The effect of overlay medium on plaque formation of tissue culture-attenuated Newcastle disease (TCND) vaccine virus [**Chicken** *embryos].* 024634
A study of the sequences of **chicken** *embryo* lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762
Moulting hormone and cuticle synthesis by epidermal cells of in vitro cultured **cockroach** *embryos* [Blabera cranifer]. 029271

Embryo **culture** as an aid to breeding Lilium. 026073
Restoration of induced damage by X rays to the *embryos* of **Drosophila** [melanogaster] Meig. 029389
A DNA polymerase from *embryos* of **Drosophila** melanogaster. Pruification and properties. 029397
Preformed mRNA and the programming of **early** *embryo* development [Includes animals and plants]. 023198
Unusual cytoplasmic inclusion body in neural tube cells of rat **early** *embryo:* a phagocytotic vesicle? 023244
The interaction of nutrition and body condition at mating on ovulation rate and **early** *embryo* mortality in Scottish Blackface ewes. 024087
Changes in lectin-induced deoxyribonucleic acid synthesis in cultures of *chick-embryo* **fibroblasts** at various stages of development. 023274
Studies on the properties and mode of action of a protease-inhibitor produced during development of Agrostemma **githago** *embryos.* 026412
Subculturing of cells from the *embryo* of the **green** rice leafhopper, Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). 029229
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and mammals [Chick, quail and **mouse** *embryos].* 023351
Preliminary discussion of polymorphism in trees which are the issue of **nucellar** *embryos* of the Tunisian variety of Maltese demi-sanguine oranges. 025971
Hemagglutinating properties of CELO *[chicken-embryo-lethal-orphan],* an **oncogenic** avian adenovirus. 024437
Red-far red reversible effect on polysome formation in the *embryos* of **Pinus** thunbergii seeds. 027337
Cytochemical investigations of the megasporocyte and *embryo* **sac** in Lilium regale at various stages of development. 027094
The role of subsidiary sperm cells in *embryo* **sacs** of Angiospermae for investigating the process of double fertilization. 026617
Growth regulator levels in *embryo* and **suspensor** of Phaseolus coccineus at two stages of development [Scarlet runner beans]. 027277
Juxtaglomerular cell granules in the developmental mesonephros and metanephros of **swine** *embryos.* 023568

EMBRYOGENY

Embryogenesis in **tissue** culture of Corylus avellana L. 027302

EMBRYOLOGY

Embryological **aspects** of environmental toxicology: relation between environmental protection and the successful conservation of species in the view of experimental embryology. 030878
Embryological and **morphological** studies of plants from the West Indies. 1. Embryologie of Capraria biflora L. (Scrophulariaceae). 025955
New studies on the *embryology* and **systematics** of Centrolepidaceae. 025620

EMBRYONY

Role of cotyledons in germination and dormancy breaking of **apple** *embryonic* axis, after treatment with abscisic acid. 027232
Studies on hook-opening in Phaseolus vulgaris L. [Kidney beans], by selective R/FR pretreatments of *embryonic* **axis** and primary leaves. 027221
Culture of *embryonic* **cells** and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. 029351
A light and electron microscopic study of the *embryonic* **chick** otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free salt solution. 023383
Intercellular adhesive selectivity. I. An improved assay for the measurement of *embryonic* **chick** intercellular adhesion (liver and other tissues). 023494
Intercellular adhesive selectivity. II. Properties of *embryonic* **chick** liver cell-cell adhesion. 023495
Spontaneous and lectin-induced redistribution of cell surface receptors on *embryonic* **chick** neural retina cells. 023502
Comparative studies of cortisol complexes formed with cytosol proteins from *embryonic* **chicken** (Gallus domesticus) and adult rat (Rattus rattus) liver. 023447
Calcium-related changes of enzyme activities in energy metabolism of **cultured** *embryonic* chick myoblasts and myotubes. 023392
Synthesis and differentiation of plasma proteins in **cultured** *embryonic* chicken liver cells: a system for study of regulation of protein synthesis. 023624
Accessory cells of the mycetome in the rice weevil, Sitophilus oryzae: *post-embryonic* **development.** 028968
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of insects with subcultured **diploid** *embryonic* cells of Drosophila [melanogaster]. 029317
Studies on the effect of the alteration in the internal environment of poultry egg on *embryonic* **growth.** V. Effect of albumin removal on embryonic growth in chickens. 023661
Influence of various conbinations of silybine, silydianine and silychristine on the *embryonic* **growth** of garden cress (Lepidium sativum L.). 027173
Physiological temperature response and *embryonic* **mortality** in stressed swine. 023224
Embryonic **mortality** during the pre- and post-implantation periods of pregnancy in mature mice after superovulation. 024119
Biological pecularities of *embryonic* **nutrition** and the practice of cattle reproduction. 024257
Embryonic and **placental** development during prolonged inanition in the pig [Pregnancy]. 023212
Procollagen biosynthesis by *embryonic-chick-bone* **polysomes.** Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. 023396

EMETICS

Distasteful fireflies [Photinus umbratus] **sometimes** *emetic,* but not lethal [to fence lizards and skinks]. 029356

EMEX

Apion antiquum (Curculionoidea: Apionidae) for biological control of the **weed** *Emex* australis. 028521

EMISSION

Interpretation of the transitory carbon **dioxide** *emission* by apple tissues (transition effect) observed after a change in temperature. 027151
Fluoride *emissions* from phosphate processing plants [Air pollution]. 030919
Ultrastructure of the larval firefly light organ as related to control of **light** *emission* [Photuris pennsylvanica]. 029295
Control of **particulate** *emissions* [Air pollution] from alfalfa dryers. 030915
Effects of **zinc-smelter** *emissions* on forest soil microflora. 028344

EMPHYSEMA

Induction of pulmonary edema and *emphysema* in **goats.** 024883

EMPLOYMENT

Employment in **agricultural** and agribusiness occupations. 021266
Impact of the extension of unemployment insurance to **agricultural** *employment* in Pennsylvania. 021372
About labor conditions of temporary workers and *employees* [in **agriculture**]. 021118
Ducks in a row [Retirement, U.S. Dept. Of **Agriculture** *employees].* 021134
Employment and *unemployment,* 1960-90 [**Agriculture**]. 021282
Alternative futures for nonmetropolitan population, income, *employment,* and **capital** [Rural development]. 021683
Labile nitrogen reserves in the ruminant. Metabolic changesin growing **cattle** *employing* a nitrogen depletion-repletion treatment. 023536
Imbalance between the centre and periphery and the *"employment* **crisis"** in Kenya [Includes agriculture]. 021195
Effects of rural industrilization on labor **demand** and *employment.* 021746
Note on impact of new technology on *employment* and **earnings** of rural labour. 021244
Beyond *job* **enrichment** to employment enrichment. 022273
Perception of and preference for the **extension** *job* by the agricultural university personnel. 021112
A *job* with the **Forest** Service; a guide to nonprofessional employment. 025145
Communicating with *employees:* **giving** directions and orders that get results, part 1. 022264
The evolution of alternative rural development strategies in Ethiopia: implications for *employment* and **income** distribution. 021680
Employ of **industrial** by-products containing carbohydrates for acid, alcohol, aldehyde and ketone production [Fermentation]. 022478
Impact of the extension of *unemployment* **insurance** to agricultural employment in Pennsylvania. 021372
Apprentice training for **maintenance** *employees* in the pulp and paper industry. 025503
A job with the Forest Service; a guide to **nonprofessional** *employment.* 025145
Behavior modification: a contingency approach to *employee* **performance.** 022272
The management of **peripheral** *employees.* 022278
Position paper on recommended salaries and *employment* **practices** for members of the American Dietetic Association. 022270
How to **predict** *job* vacancies. 022284
Predicting *employment* in four regions of the western UnitedStates. 021151
Effective discipline in *employee* **relations.** 022274
Training *employees* for a convenience foods system. 022285
Training *employees* isn't enough. 022293
Want to cultivate some *employee* **trust?** 022280
Employment and **unemployment,** 1960-90 [Agriculture]. 021282
Handicrafts: a source of *employment* for **women** in developing rural economies. 021114

EMULSION

Effect of **bitumen** *emulsion* and polyacrylamide on some physical properties of Venezuelan soils. 030365

ENALLAGMA

Diapause termination in two species of damselflies [Enallagma hageni, *Enallagma* **aspersum].** 029410

ENCAPSULATION

Ultrastructure, composition, and biogenesis of the *encapsulation* **material** surrounding the endophyte in Alnus crispa var. Mollis root nodules. 025992

ENCEPHALITIS

The occurrence of Listeria [monocytogenes] *encephalitis* in **cattle** in loose housing after the use of litter infected with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Multiplication if Venezuelan **equine** *encephalitis* (Mucambo) virus in cultured mosquito cells [Aedes aegypti, Aedes albopictus]. 024424
Laboratory studies of Venezuelan **equine** *encephalitis* virus in equines, Texas, 1971. 024590
An attenuated vaccine for **Japanese** *encephalitis* [Swine]. 024535
Japanese *encephalitis* virus in pregnant swine. 024675
Studies on **Japanese** *encephalitis* live vaccine. II. Development of an attenuated strain of virus (Anyang strain) [isolated from new-born piglet]. 024692
The establishment by the Utah Mosquito Abatement Association of an *encephalitis* **surveillance** program. 029067

ENCEPHALITOZOON

Fine structure of *Encephalitozoon* **cuniculi** from rabbits, mice and hamsters. 024613

ENCEPHALOMYELITIS

Susceptibility of chickens to **avian** *encephalomyelitis* virus. I. Clinical observation on day-old-chicks inoculated by various routes. 024490
Outbreak of **avian** *encephalomyelitis* in chicks raised in [South] Korea. 024689
Antibodies against Venezulan **equine** *encephalomyelitis* virus in accidental human infections in Argentina. 024527

ENCYRTIDAE

A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: *Encyrtidae)* from **Puerto** Rico parasitic on Forcipomyia (Diptera: Ceratopogonidae). 029354

ENCYRTUS

Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an *Encyrtus* **parasitoid** after treatment with insect growth regulators and insecticdes. 028853

ENCYSTMENT

Cuticular *encystment:* a unique and effective defense reaction by cabbage looper larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Encystment and **germination** in Azotobacter vinelandii [a nitrogen-fixing soil bacteria]. 030329

ENDEMIC

Geographical distribution of the cedar **glade** *endemic* Viola egglestonii. 025809
Festuca lapidosa, an overlooked **illyric** *endemic.* 025617
Four new species of **plants** *endemic* in the Macdonnell and George Gill Ranges, Central Australia [Portulaca filsonii, Euphorbia sarcostemmoides, Ricinocarpos gloria-medii, Leucopogon sonderensis]. 025753

ENDOCARDIUM

Difference between *endocardial* and **epicardial** utilization of glycogen in the ischemic heart [Dogs]. 023203

ENDOCRINE

The occurrence of hydroxyindole-O-methyltransferase activity in fetal sheep pineal tissue and its relationship to **preparturient** *endocrine* changes. 024130
Experimental study of the *endocrine* **regulation** of ovogenesis in Lithobius forficatus L. (Myriapoda, Chilopoda). Role of the pars intercerebralis. 029361
Control of ovulation, fertility and *endocrine* **response** after prostaglandin F2alpha in cattle. 023980
Ovulation and *endocrine* **response** after LH-RH [luteinizing hormone-releasing hormone] in domestic animals [Cattle]. 023993
Cardiovascular and *endocrine* **responses** to feeding in the young calf. 023547

ENDOGENY

Cellulase activity, *endogenous* **abscisic** acid, and ethylene in four citrus cultivars during maturation. 027263
Endogenous **abscisic** acid levels in germinating and nongerminating lettuce seed. 027270
Endogenous **gibberellins** of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus ponderosa pollen. 027335
Regulation of seed dormancy in Elaeagnus umbellata by *endogenous* **growth** substances. 027155
Endogenous **11-hydroxy-corticosteroids** in Pietrain pigs, German Large White pigs and Pietrain X Large White crosses and their relationship to meat quality. 023686
Endogenous **inhibitor** of carboxypeptidase A from goat pancreas. 023436
Endogenous **inhibitor** of carboxypeptidase A from goat pancreas. 023437
Consequences of disturbance of *endogenous* **metabolism** of urea in fattened bulls. 024920
Endogenous **rhythm** of nerve activity in the housefly eye [Musca domestica]. 029457
Quantitative aspect of the *endogenous* **urea** cycle in goats [Metabolism]. 023570

ENDOMETRIUM
Investigations on improving the fertility of aged sows. 3. Histological study of puerperal involution and regenerative processes occuring in the *endometrium* of **sows** during normal-lactation and very early weaning. 024027
Investigations on improving the fertility of aged sows. 2. Histological structure on the *endometrium* at different **stages** of the cycle. 024026

ENDOMYCHIDAE
Several **new** *Endomychidae* from India (Coleoptera). 029682

ENDOPHYTES
Ultrastructure, composition, and biogenesis of the encapsulation material surrounding the *endophyte* in **Alnus** crispa var. Mollis root nodules. 025992

ENDOPLASM
Calcium and magnesium contents of ectoplasm and *endoplasm* of **Physarum** polycephalum plasmodium [Fungi]. 026816

ENDOSCOPY
Equine *endoscopy* [of the upper respiratory track]. 024380

ENDOSPERM
Endosperm **abnormalities** in Triticum-Secale combinations. I. X Triticosecale and its parental species. 026108
Endosperm **abnormalities** in Triticum-Secale combinations. II. Addition and substitution lines. 026109
Ultrastructure of the *endosperm* of **Echinocystis** lobata (Cucurbitaceae) at the cellular stage. 025929
The course of differentiation of the *endosperm* of **Echium** vulgare L. 025928
Enzyme to break down **lettuce** *endosperm* cell wall during gibberellin- and light-induced germination. 027217
RNA polymerase from opaque-2 and normal Zea mays **[maize]** *endosperm.* 027010
Zinc accumulation and growth of corn seedlings as affected by *endosperm* **removal.** 026896
A comparison of vitreous and **soft** *endosperm* high-lysine and common maize in diets for growing rats and pigs. 023755
Occurrence of some enzymes in **starchy** *endosperm* and hormonal regulation of isoperoxidase in aleurone of wheat. 027026

ENDOSULFAN
Persistence of *endosulfan* **[insecticide]** on "moong" [mung beans] and "arhar" [Pigeonpeas] crops. 028845

ENDOTHELIUM
Rabbit **aortic** *endothelial* and medial histamine synthesis following short-term chloesterol feeding. 023404
[Escherichia coli] endotoxin-induced endothelial injury andrepair. I. *Endothelial* **cell** turnover in the aorta of the rabbit. 024520
Intracytoplasmic filaments in pulmonary **lymphatic** *endothelial* cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360

ENDOTOXINS
[Escherichia coli] *endotoxin-induced* **endothelial** injury andrepair. I. Endothelial cell turnover in the aorta of the rabbit. 024520
Release of prostaglandin-like substances by **Shigella** *endotoxin* and its inhibition by non-steroidal anti-inflammatory compounds [Rabbits]. 024472
Lipid A fever in cats [Produced by the *endotoxin* of **Shigella** dysenteriae]. 024612
The nature of Bacillus **thuringiensis** *endotoxin* [Insect biological control]. 028655

ENDRIN
Coating and impregnating with *endrin* **protects** field-sown Douglas fir [Pseudotsuga menziesii] seed. 028952
Endrin **uptake** in insecticide-resistant and susceptible mosquitofish (Gambusia affinis). 029107

ENERGY
The changes of **adenylate** *energy* charge in wheat leaves during anoxia, study of their reversibility. 027005
Test on *energy* in **agriculture** or in the agro-food system in France. 029913
Environmental land use controls: **Alberta** *energy* corridor. 021170
Some aspects of *energy* **balance** in greenhouses [Heating]. 029884
The *energy* **balance** of an air-inflated polyethylene greenhouse. 029889
Adsorption and **bonding** *energy* indexes for phosphorus in four soils of northeast Thailand. 030201
Economics of mechanical pulping in newsprint or how to choose a gold mine based on different *energy* **cost** scenarios. 025507
Energy **demand** and water resource management: some economic aspects [Cost models]. 021350
Metabolizable [dietary] *energy* **determinations** with adult chickens. 023822
Energy **determinism** of brambling (Fringilla montifringilla) concentrations in relation to evolution of maize cultivationin France from 1955 to 1973. 025884
Amino acid content and **digestible** *energy* value of sprouted, rust-affected and sound wheat in pig diets. 023015
Estimating **digestible** *energy* from chemical analyses [Feeds, sheep, swine, rabbits]. 023860
Location of *energy* **discharge** in mitotic cycle of Panax ginsing C. A. Mey. 026540
Present situation and prospects of *energy* **economy** in agriculture. 029972
The Colorado River and *agriculture/energy* **equations** [Consumptive use of water]. 030743
Energy **facts** & figures [for farm operations]. 030864
Effect of *energy* and **fertilizer** price increase on farms. 021409
Trees—**food**—*energy:* human food potential. 022440
Trees—**food**—*energy.* Proceeding: 27th annual meeting, Forestry Committee, Great Plains Agricultural Council, June 16-19, Lincoln, Nebraska. 025031
Ammonium sulfate in low and **high** *energy* rations for sheep. 023737
The role of trees [as windbreaks] in **improving** *energy* utilization by beef cattle [Housing]. 023116
Energy and **land** constraints in food protein production. 022254
Energy utilization in the **leading** *energy-consuming* food processing industries. 022431
Effect of *energy* **level** of the ration on fatty liver in cage layer hens. 023773
Effect of *energy* on **LH** [luteinizing hormone] response to consecutive Gn-RH [gonadotrophin releasing hormone] injections [cattle]. 024194
A master plan for *energy* **management,** part 2. 022321
Effects of hypoxia of 10-45 seconds duration on *energy* **metabolism** in the cerebral cortex of unanesthetized and anesthetized rats. 023184
Calcium-related changes of enzyme activities in *energy* **metabolism** of cultured embryonic chick myoblasts and myotubes. 023392
Influence of *energy* **metabolism** on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. 026824
Studies on the *energy* **metabolism** during the respiratory process by Baker's Yeast [Saccharomyces cerevisiae]. 026825
Metabolizable *energy* of feedstuffs for trout. 023058
Use of predictive equations for estimating the **net** *energy* value of forages. 023016
Digestible, metabolizable and **net** *energy* values of corn grain and dehydrated alfalfa in sheep. 023759
Utilization of *energy* by **primary** producers [Phytoplankton] in four ponds in northwestern Florida. 026548
Yield response to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of *energy* **production** waste waters]. 026895
Yield response to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of *energy* **production** waste waters]. 027106
Malnutrition studies in Macaca mulatta. IV. *Energy* and **protein** consumption during growth failure and "catch-up" growth. 022005
Myofibrillar protein turnover and urinary Ntau-methylhistidine output. Response to dietary supply of **protein** and *energy[Rats].* 023704
The performance of male ducklings given starter diets with different concentrations of *energy* and **protein.** 023714
Effects of various *energy* **protein** ratios in rations on growth and feed conversion of broilers. 023837
Nutrient utilization, body composition and meat quality as affected by *energy* **protein** ratio [Chicks]. 023841
Principles and application of **radio-frequency** *energy* to food preservation with particular reference to concentration and dehydration. 022460
Energy **requirements** for pregnancy in sheep. 023827
Energy **resources** and agriculture. 030966
Energy **savers.** 022336
Effects of **severe** *energy* and protein deficiencies on the fibres and nuclei in skeletal muscle of pigs. 024828
How our main [field] crops use **solar** *energy.* 027058
Potential for conversion and utilization of **solar** *energy* in poultry production [Housing]. 029969
Reducing [agriculture's] fuel costs with **solar** *energy.* 029976
Solar *energy* reduces costs of drying and curing crops. 029977
Waste cellulose as an *energy* **source** for animal protein production [Feed]. 023080
Wood as an *energy* **source** for ruminants [Feeding]. 023741
Butanediol as an *energy* **source** for pigs [Feeding]. 023885
Natural gas, an *energy* **source** for dairies that is favorable to the environment. 029931
Velocity reducer and amplifier *[Energy* **source** for farm equipment]. 029949
Effect of *energy* **sources** on plasma insulin and nitrogen metabolism in sheep totally nourished by infusions. 023760
New York **State** *energy* needs for food production [Agricultural input-output]. 021313
Beef production, fattening young cattle. *Energy* **supplementation** of diets with a maize silage base. 023911
Action of *energy* **supply** during pregnancy on weight development and reproductive performance in sows. 024232
Energy **supply** and light-enhanced chloride uptake in wheat laminae. 027022
Agricultural and industrial production methods with regard to *energy* **supply** and environmental protection. 030807
Energy **utilization** in the leading energy-consuming food processing industries. 022431
Protein and *energy* **utilization** by the insect, Argyrotaenia velutinana (Walker), fed diets containing graded levels of an amino acid mixture. 029313
Yield response [of field crops and vegetables] to soil warming: economic feasibility [of **utilizing** *energy* production waste waters]. 021363
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and *energy* **utilizing** enzymes of photosynthetic pathways. 026864
Trees and **wildlife**—*energy* aspects for managers. 030901
Trees and *energy* **[Wood** as fuel]. 025354

ENGINEERING
Data for assessment of achievements of district farms for **agricultural** *engineering* [Management, East Germany]. 021238
From life and "entropy" to **agricultural** *engineering!* 029911
Development of mechanization of socialist agriculture in the Czechoslovak Socialist Republic and main tasks of research in the field of **agricultural** *engineering.* 030126
Analysis and design of load **rings** *[Engineering].* 029978
System of management and control of work with explosives in Czechoslovakia **[Safety** *engineering].* 029982

ENGINEERS
The **first** *engineers-technicians* from Wadenswil [Horticulture, education]. 027839

ENGINES
Problems in **starting** *engines.* 030122
Wear character of piston rings of **tractor** *engines* of unified range. 030003
Problems of wear of the working group piston-cylinder in the *engines* Z-5501 and **Z-V4001.** 029999

ENNOMOS
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, *Ennomos* **subisgnarius** (Hubner). 028933

ENTERIC
Hemorrhagic *enteritis* of turkeys. Antiserum—efficacy, preparation, and use. 024438
Studies on porcine enteroviruses. I. Isolation of enterocytopathogenic agents from cases of **piglet** *enteritis.* 024554
Aminosidine used as a prophylactic in *enteritis* of **rabbits.** 024711

ENTEROBACTERIACEAE
Total count and bacterial flora of minced meat with special reference to *Enterobacteria* and **Pseudomonas.** 021984

ENTEROMORPHA
Some observations on the morphology of Enteromorpha linza (L.) J. Ag. and *Enteromorpha* **compressa** (L.) Grev. in axenic culture [Algae]. 025962
Growth requirements of *Enteromorpha* **compressa** and Codium fragile [Algae, water pollution]. 026546
Some observations on the morphology of *Enteromorpha* **linza** (L.) J. Ag. and Enteromorpha compressa (L.) Grev. in axenic culture [Algae]. 025962

ENTEROPATHY
Spontaneous transformation of the enteropathogenis Escherichia coli serotype O149:K91:K-88ac:H10 into the *enteropathogenic* **serotype** O138:K81 [Rabbits]. 024415

ENTEROTOXEMIA
Enterotoxaemia **Escherichia** coli infection in swine: herd resistance as related to environment. 024577
Presence of epsilon toxin in an apparently healthy kid: a note [Clostridium **perfringens,** *enterotoxaemia].* 024552

ENTEROTOXINS
Influence of [soy, fish, yeast] protein supplements on growth of Staphylococcus aureus and **production** of *enterotoxins.* 021926

ENTEROVIRUSES
The action of 2(alpha-hydroxybenzyl)-benzimidazole on 26 strains of **bovine** *enteroviruses* isolated in Algeria. 024406
A new form of vesicular diseases of swine and preventive **measures** against them *[Enteroviruses].* 024645
Studies on **porcine** *enteroviruses.* I. Isolation of enterocytopathogenic agents from cases of piglet enteritis. 024554

Survival of *enteroviruses* on **vegetables** irrigated with chlorinated oxidation pond effluents [Wastewater treatment]. 021904
A high density component in several **vertebrate** *enteroviruses* [Swine vesicular disease virus]. 024601

ENTOMOBRYIDAE
Experimental study of aggregation during the development of Pseudosinella impediens **(Collembola,** *Entomobryidae).* 029472

ENTOMOLOGISTS
In memoriam: James William MacBain **Cameron** *[Entomologists].* 029424
Mortimer D. **Leonard** 1890-1975 *[Entomologists].* 029480
Jay P. **Sleesman,** 1904-1975 *[Entomologists].* 029207

ENTOMOLOGY
Growth requirements of *entomogenous* **bacteria** and the nature of some bacterial diseases of insects [Bombyx mori]. 029789
Solid-state light-intensity controller [for incandescent lamps] for *[entomological* and] **biological** research. 029241
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and *entomogenous* **fungus** of Lepidopterous pests of soybeans [Biological control]. 028747
Study of the Paris **region** *entomological* fauna in apple treeorchards with the aid of colored traps. 028822
A Cesium-134 trap for isotope use [in *entomological* **research].** 029353

ENTOMOPHAGOUS
Control of insect pests with bacteria, the *entomophagous* **Bacillus** species, Bacillus thuringiensis and Bacillus popilliae. 028684
Entomophagous **enemies** of bark beetles [Natural control]. 028964
The role of the perrennial stinging nettle, Urtica dioica, as a reservoir of beneficial natural enemies [Predators, parasites and *entomophagous* **fungi** on Microlophium carnosum]. 028636
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an *entomophagous* **insect** (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Entomophagous **insects** of the apple leaf moth [Natural control, Apanteles, Sympiesis, Anthocoris]. 028905

ENTOMOPHTHORACEAE
Ultrastructural and electron cytochemical studies of *Entomophthora* **coronara** [Fungi]. 025943
Control of forest pest insects by viruses [Dendrolimus spectabilis, Lymantria fumida, Lymantria **dispar,** *Entomophthora].* 028942
A note on the isolation of *Entomophthora* **[Fungi]** species on artificial media [Insect pests, biological control]. 028666
On resting spores of **insect-pathogenic** *Entomophthoraceae* (Zygomycetes). I. Production of resting spores of Entomophthora thaxteriana (Petch) Hall et Bell. 028690
Production of resting spores of *Entomophthora* **thaxteriana** [Fungi, Biological control of pest insects]. 028667
On resting spores of insect-pathogenic Entomophthoraceae (Zygomycetes). I. Production of resting spores of *Entomophthora* **thaxteriana** (Petch) Hall et Bell. 028690

ENTROPY
From life and *"entropy"* to **agricultural** engineering! 029911

ENUCLEATION
Polyploidy and *enucleation* in **mature** leaves of Barbilophozia barbata [Hepaticae]. 026099

ENVIRONMENT
Controlled-environment **agriculture** [systems] in desert regions [Plastic covered greenhouses]. 029873
Actions of microalgae in **anaerobic** *environments.* 026588
Protection of timber in **aquatic** *environments.* 025425
Mercuric chloride uptake by eggs of the ricefish and resulting teratogenic effects [Pollutants of **aquatic** *environments].* 030813
Biological transformation of clay-sized sediments in simulated **aquatic** *environments.* 030948
Radioisotope techniques in delineation of the *environmental* **behavior** of cadmium. 030885
The Lavinia cattle **breed** and the *environment.* 023153
Cadmium in the *environment.* 030800
Response of the marine angiosperm Phyllospadix torreyi to **certain** *environmental* variables: a preliminary study [Salinity, light, temperature]. 026373
Plant response to *environmental* **change** induced by windbreaks. 025030
Selection consequences of differential performance of standard [sugarcane] **clones** across *environments.* 026297
Natural enemies as a control agent of [insect] pests and the *environmental* **complexity** from the theoretical and experimental points of view. 028648
Influence of Holstein-Friesian [cattle] mating on first lactation performance under various *environmental* **conditions.** 024235
Response of estuarine phytoplankton to *environmental* **conditions** [Algae]. 025902
Pollination and *environmental* **conservation** [Effects of pesticides]. 029094
The scientific-educational activity of the Polish students on behalf of *environmental* **conservation.** 030839
Exposure to an *environment* **containing** the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
PCBs [polychlorinated biphenyls] and *environmental* **contamination.** 030884
Resuspension and redistribution of plutonium in soils *[Environmental* **contamination].** 030903
Flavonoids of the main stems of Periploca graeca grown in **controlled** *environment.* 026737
Controlled *environments* for scientific research and horticultural practice. 029872
Effects of intravaginal flurogestone acetate and PMS [pregnant mares serum] administration on the reproductive performance of ewes in a **cool** *environment.* 024196
Liveweight fertility relationships in Merino and half-bred ewes in a high **country** *environment* [Sheep]. 024182
A set of refrigerated greenhouses for **crop** *environment* research-air flow problems. 029868
Use of grass covers for intensification of agricultural production and improvement of the *environment* **[Culture,** varieties, pastures, lawns]. 027449
Environmental **data** acquistion [Agricultural ecosystems]. 021090
Geochemical investigations on the composition and **depositional** *environment* of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
The development and testing of an *environmentally* **designed** greenhouse for colder regions. 029975
Statistics, heredity and correlation between some features of the circulatory system in female German landrace swine. I. Means and *environmental* **effects.** 024254
Decree of the Department of Nutrition, Agriculture and *Environment* for the **execution** of the honeybee disease regulation [Apis mellifera, acarine disease, foulbrood]. 029761
Effects of genetic and *environmental* **factors** on birth and weaning weights of Korean native calf. 023644
On the phenomenon of ecological equivalence [Plant growth, *environmental* **factors].** 026871
Environmental **factors** affecting brown-spot [Scirrhia acicola] infection on longleaf pine [Pinus palustris]. 028053
Some *environmental* **factors** affecting the daily and seasonal movements of the salt marsh greenhead, Tabanus nigrovittatus. 029012
Natural gas, an energy source for dairies that is **favorable** to the *environment.* 029931
The **forest** *practice-environmental* issue (it's snafu in California again) [Legislation]. 025141
The effect of the *environment* on the **formation** of fruit bodies of the species of the genus Chaetomium Fr. [Saprophytic fungi]. 026678
Modern science for the **future** *environment* and social university youth activities. 030882
Genotype—*environment* interaction. III. Interactions in Drosophila melanogaster. 029484
Influence of *environmental* **heat** on peripheral plasma progesterone and cortisol during the bovine estrous cycle. 024100
The **honeybee** and its *environment.* 029853
Determination of the moment of ovulation in ewe and sow. Influence of *environment* and **hormonal** treatment. 023982
Silviculture and *environment-protection* in **Hungary.** 025185
Environmental **impact** of Lethal Yellowing disease of coconut palms. 028359
Models of land and water allocation to **improve** *environment* and water quality through soil loss controls. 030792
Relationship of Vibrio parahaemolyticus in oysters, water and sediment, and bacteriological and *environmental* **indices.** 021929
Environmental **influences** on ascorbic acid requirements in animals. 023242
Environmental **influences** on the nutrient cycle of a beech [Fagus] forest on acid soil. 027316
Genotype-environment **interactions**—a challenge for plant breeding. 026189
Studies on the effect of the alteration in the **internal** *environment* of poultry **egg** on embryonic growth. V. Effect of albumin removal on embryonic growth in chickens. 023661
Environmental **land** use controls: Alberta energy corridor. 021170
A contribution to lead studies in soils and the enviornment. I. **Lead** *environmental* pollution. 030898
Quantitative and qualitative variations of bacterial population in polluted and nonpolluted **marine** *environment.* 030910
Interaction of genotype with *environment* for some **metrical** characters of cardoon [Cynara cardunculus var. altilis]. 026081
Fate of microbicidal 3-isothiazolone compounds in the *environment:* **modes** and rates of dissipation. 030923
The importance of afforestations and greens in the protection of the **natural** *environment.* 025020
Studies of the [invertebrate] zoocenosis of a **"natural"** *environment:* the Brachypodium phoenicoides land in lower Provence [Insects included]. 029255
Unfavorable changes in the **natural** *environment* formed the theme of a scientific session held in the Ojcow National Park. 030844
Our disappearing **natural** *environment:* the case of Hong Kong [Plants and animals]. 030922
On the agenda—the protection of the **natural** *environment* [from pollution]. 030935
The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the dog and its effect on **net** *environmental* contamination with ova. 024792
Environmental **pathways** of plutonium into terrestrial plants and animals. 024957
Environmental **physiology,** modeling and simulation of alfalfa growth. Conceptual development of SIMED [Simulation of Medicago]. 027041
Metabolism of *environmental* **pollutants** by the isolated perfused lung [Rabbits]. 030890
Seagrasses of south-western Australia with special reference to the ecology of Posidonia australis Hook F. in a **polluted** *environment.* 025871
Increased requirement for food caused by *environmental* **pollution.** 021809
Leaf surface effects of *environmental* **pollution** on sugar maple (Acer saccharum) in Montreal. 030820
Proceedings: biostimulation—nutrient assessment workshop, October 16-17, 1973 Corvallis, Oregon *[Environmental* **pollution,** algal assays]. 030858
Alpha- and gamma-BHC [benzene hexachloride] in Tokyo rainwater (December 1968 to November 1969) *[Environmental* **pollution].** 030868
Our *environment* **[Pollution].** 030888
Studies on the landscape management of pasture land using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of *environmental* **preservation.** 027495
Population genetical structure and the interaction genotype X *environment* as **productivity** factors of forest ecosystems. 025233
Influence of *environment* on **productivity** of bee colonies. 029734
Influence of *environment* on **productivity** of bee [Apis mellifera] colonies. 029735
Fate of microbicidal 3-isothiazolone compounds in the *environment:* **products** of degradation. 030924
Is the semi-liquid manure cultivator forcing us to **protect** the *environment.* 030030
Agricultural and industrial production methods with regard to energy supply and *environmental* **protection.** 030807
Embryological aspects of environmental toxicology: relation between *environmental* **protection** and the successful conservation of species in the view of experimental embryology. 030878
Biological control [of insect pests] and *environmental* **quality.** 028647
Enterotoxaemia Escherichia coli infection in swine: herd resistance as **related** to *environment.* 024577
Forest and *environment* **research** in Hungary. 025023
Research on pesticide **residues** in the *environment.* 029163
The adverse effect of *environment* on the **response** to distemper vaccination [Dogs]. 024432
Selenium content of some foodstuffs and other *environmental* **samples** in a mineralized area of Italy. 021877
A model of the heat exchange of **sheep** with the *environment.* 023626
Leaf water stress in Engelmann spruce [Picea engelmannii]: Influence of the root and **shoot** *environments.* 027336
Symposium on Greenhouse Design and *Environment,* **Silsoe,** 18-21 September 1973. 029887
Genetic feedback and **simulated** *environmental* catastrophes [Musca domestica]. 029003
Gladiolus corm curing and **storage** *environments* in relation to flower production. 027603
Rapid scan spectrometry. Application to biological phenomenon study. Case of **structured** *environments* [of interest to botany]. 025565
Essentials of *environmental* **studies** for an impact statement. 030947
Embryological aspects of *environmental* **toxicology:** relation between environmental protection and the successful conservation of species in the view of experimental embryology. 030878
Breeding implications from a diallel analysis in **two** *environments* of yield and component characters in Upland cotton (Gossypium hirsutum). 026301
Genotypic and *environmental* **variation** in some colour characteristics of carrots [Varieties]. 026082
Effect of the Kara-Kuma canal of the *environment* **[Water** management]. 030763
Chemical control of the sea lamprey: the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the *environment* **[Water** pollution]. 030876

ENZOOTIC
Enzootic **abortion** in swine—the nature of the disease [Chlamydia]. 024770

ENZYMES
Ultrastructural study of the wall of Polysiphonia elongata (Harv.) [Algae] Rhodophyceae, Floridea, with the help of **actions** of *enzymes.* 026032
Calcium-related changes of *enzyme* **activities** in energy metabolism of cultured embryonic chick myoblasts and myotubes. 023392
Ascorbic acid content and *enzyme* **activities** during maturation of the mango fruit and their association with bacterial black spot [Erwinia mangiferae]. 028126
Changes in *enzyme* **activity** during the storage of honey. 022404
Uridine diphosphate glucose synthase from calf liver: determinants of *enzyme* **activity** in vitro. 023307
Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the *enzymic* **activity** of the toxin A-chains [Rabbits]. 024952

Limited proteolysis of yeast phosphofructokinase by subtilisin: Alterations in *enzyme* **activity,** subunit composition, and hydrodynamic properties. 026553
Conversion of squalene-2(3) epoxide by *enzymes* of **Alnus** glutinosa. 027331
Amide utilization in Aspergillus nidulans [Fungi]: evidence for a third **amidase** *enzyme.* 026645
Purification and properties of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in **amylose-branching** *enzyme.* 027171
Enzymic **analysis** of cell wall structure in apple fruit cortical tissue. 026042
Enzyme to **break** down lettuce endosperm cell wall during gibberellin- and light-induced germination. 027217
Distribution of *enzymatic* **browning** of young shoot homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. 025585
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with *enzymic* **browning.** 028128
Electrophoretic variation of red **cell** *enzyme* systems in farm animals. 023237
Comparative studies on **cellulolytic** *enzyme* lignin and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362
Cellulolytic *enzyme* production/non-production by some pathogenic fungi. 027944
Effects of quantity and quality of dietary protein and variation in **certain** *enzyme* activities on glucose metabolism in the rat. 022137
Regulation of mitochondrial biogenesis: *enzymatic* **changes** in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
Study of the role of microorganisms and *enzymes* during **cheese** ripening. II. Influence of commercial rennet. 022599
Enzymatic hydrolysis of hardwood xylans. II. Isolation of five beta-l lead to 4-xylanasen from three **commercial** *enzyme* products. 025363
Enzymatic **determination** of the indigestible residue (dietary fibre) content of human food. 022146
Physiology of digestion. I. PH [hydrogen-ion concentration] and **digestive** *enzymes* in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
The conversion of dihydroneopterin triphosphate to sepiapterin by an *enzyme* from **Drosophila** melanogaster. 029250
Effects of low and high protein diets on the induction of microsomal **drug-metabolizing** *enzymes* in rat liver. 022136
Inducibility of mucosal **drug-metabolizing** *enzymes* of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Extracellular *enzyme* system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550
Enzymes of **glycerolipid** synthesis in small-intestinal muscosa of foetal and neonatal guinea pigs. 023277
Plasma carbohydrate, insulin and **hepatic** *enzyme* levels in rats refed sucrose. 022184
Subcellular localization of lipoxygenase and lipolytic acyl **hydrolase** *enzymes* in plants [Vegetables]. 027253
Enzymic **hydrolysis** of acetylcarnitine in liver from rats, sheep and cows. 023278
Enzymatic **hydrolysis** of hardwood xylans. II. Isolation of five beta-l lead to 4-xylanasen from three commercial enzyme products. 025363
Release of **hydrolytic** *enzymes* from the cell walls of intact and disrupted carrot callus tissue. 027280
Precocious development of glucuronidating and **hydroxylating** *enzymes* in chick embryos treated with pituitary grafts. 023284
Enzymatic **improvement** of date quality. Use of invertase to improve texture and appearance of "sugar wall" dates. 022950
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its **inactivating** *enzyme* [Field crops]. 026966
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its **inactivating** *enzyme* [Wheat, barley, chickpeas, rice]. 026967
Enzyme **inhibition** by polyphenols of sorghum grain and malt. 022508
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, *enzyme-inducing* and **insecticidal** effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Effect of high temperature conditioning on subcellular distribution and levels of **lysosomal** *enzymes* [Meat tenderness]. 022677
Lysozymelike **lytic** *enzyme* of Streptococcus faecalis and itsrole in the larval development of wax moth, Galleria mellonella. 029426
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella]. Properties and specificity of the **major** *enzyme* of low electrophoretic mobility. 029384
Matrix-bounded *enzyme.* II. Potato phosphorylase entrapped in polyacrylamide gel after gel electrophoresis. 022898
Enzymes [**Membrane** fermentors and reactors]. 022450
Some effects of lindane on the **microsomal** *enzymes* of the rat liver [Pesticides, toxicity]. 029100
Development of **mitochondrial** *enzyme* activities in germinating maize scutellum. 027033
The effect of physical training on skeletal **muscle** *enzyme* composition in pigs. 023195
Hepatic **microsomal** *enzyme* induction in rats fed varietal cauliflower leaves. 022138
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol **oxidase** *enzyme* extracts from citrus leaves [Lemon disease]. 028320
Effects of H2O2 [hydrogen peroxide] and **oxidation-reduction** *enzymatic* systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. 022625
Development and intracellular distribution of *enzymes* of the **oxidative** pentose phosphate cycle in radish cotyledons. 027266
The effect of various factors on the production of **pectolytic** *enzymes* by Verticillium dahliae Kleb. [Cotton wilt]. 028027
Effect of native carbon sources and pH [hydrogen-ion concentration] on the **pectolytic** *enzymes* of Alternaria solani and Alternaria tenuis. 028078
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by **pectolytic** *enzyme,* endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an *enzymatic,* **photometric** method [Veterinary medical diagnostic techniques]. 024368
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and *enzymes* in **plasma** of dam and progeny and possible role of selenium [Swine, feeding]. 023818
The use of *enzyme* **preparations** of microbial origin in continous cheese making. 022623
Effects of the treatments by *enzymatic* **preparations** and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Use of *enzyme* **preparations** in wine manufacture. 022999
On the use of *enzyme* **preparations** in livestock feed rations. 023796
On an *enzymatic* **pretreatment** of softwoods to improve their penetrability. 025364
An *enzyme* with **proteolytic** action obtained from the fungus Flammulina velutipes (Fr.) Sing. 026672
Enzyme **reaction** as indicator of pollution effects on lichens. 028326
Enzyme use to **reduce** viscosity and increase recovery of soluble solids from citrus pulp-washing operations [Oranges]. 022932
Production of a new **rennin-like** *enzyme* by Aspergillus ochraceus. 022617
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. *Enzymes* of **respiratory** metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
The role of extracellular Ca2+ [calcium ions] and cyclic nucleotides in the mechanism of *enzyme* **secretion** from the cat pancreas. 023613
Occurrence of some *enzymes* in **starchy** endosperm and hormonal regulation of isoperoxidase in aleurone of wheat. 027026
Dihydrofolate reductase from bovine liver. *Enzymatic* and **structural** properties. 023393
Production of flavor volatiles in *enzyme* and **substrate** enriched peanut homogenates. 022785
The effect of 8-hydroxyquinoline on *enzyme* **synthesis** in the fission yeast Schizosaccharomyces pombe. 026556
Studies on the *enzyme* **system** of carbohydrate metabolism in fish. II. Purification of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022410
Studies on the *enzyme* **system** of carbohydrate metabolism in fish. III. Properties of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022411
Preparation and purification of an *enzyme* **system** for ethylene synthesis from acrylate [Kidney beans]. 027231
Genetic variation in some *enzyme* **systems** in the tsetse fly Glossina morsitans. 029333
Response of **teat** *enzymes* of sheep and cattle to stimulation by stilboestrol and oestrogenic subterranean clover. 024033
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and *enzymes* from **tomatoes,** cucumber, sugar-maize and onions. 023003
Activity of mitochondrial adenosine **triphosphate** *enzyme* in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. 028007
Pattern of activity of a **trypsin-like** *enzyme* during malting. 022399
The effect of cold treatment on protein patterns and *enzymes* in **tulip** bulbs. 027082
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy **utilizing** *enzymes* of photosynthetic pathways. 026864
On the use of *enzymes* for **vegetable-oil** extraction. A preliminary report. 022818

EOCENE

Preliminary investigation of the palynology of the upper *Eocene* **Wirillup** Formation, Western Australia. 025718

EPENDYMA

Scanning electron microscopy of the *ependymal* **cell** surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685

EPHEMEROPTERA *see* PLECTOPTERA

EPHESTIA

Development of complete and bisected male genital disks after transplantation, and duration of host development in *Ephestia* **kuehniella** Z. 029505
Distribution of mitoses and 3H [hydrogen]-thymidine incorporation in proliferating eye discs of *Ephestia* **kuehniella** Zeller. 029506

EPHYDRIDAE

Population biology of a brine fly [Ephydra thermophila] (Diptera: *Ephydridae)* in the **presence** of abundant algal food. 029320

EPICHLOROHYDRIN

Studies on structure and physico-chemical properties of starch. 2. Reaction of *epichlorohydrin* with **corn** starch. 022747

EPICOTYLS

Photoreversible binding in vitro of cytosolic phytochrome to particulate fraction isolated from **pea** *epicotyls.* 027278
Distribution and nonphotochemical transformation of phytochrome in subcellular fractions from Pisum [sativum, **peas**] *epicotyls.* 027267
The role of *epicotyl* **roots** of maize. 027045

EPIDEMIC

Methods of spread of velogenic viscerotropic Newcastle disease virus in the southern **Californian** *epidemic* of 1971-1973 [Chickens]. 024443
The genetic basis of plant **disease** *epidemics.* 028295
A historical account of wheat rust [Puccinia] *epidemics* in **India,** and their significance. 027935

EPIDEMIOLOGY

Aphid transmission and *epidemiology* of **barley** yellow dwarf and maize dwarf mosaic in southern France. 028696
Modern views on the etiology, *epidemiology,* **diagnosis** and pathology of urinary bladder cancer [in animals]. 024863
A study of outbreaks of Aujeszky's disease in cattle. I. Virological and *epidemiological* **findings.** 024396
The *epidemiology* of **leaf** spot disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923
Epidemiological **problems** of barley yellow dwarf virus in Hungary. 028160
A study of outbreaks of Aujeszky's disease in cattle. III. Selected outbreaks of a special interest **regarding** *epidemiology.* 024398
Epidemiology of **salmonellae** [in cattle] and fertilizing of grassland with sewage sludge. 030572
Characteristics and *epidemiological* **scope** of various rabies strains and serologically related viruses. 024700
Epidemiology, **socioeconomic** importance and control of rabies in Italy. 024748
Epidemiological **studies** on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the bionomics of the vector [Brugia malayi, Anopheles sinensis]. 029039
Sero-epidemiological **study** on equine influenza in Japan. 024594

EPIDERMAL

Moulting hormone and cuticle synthesis by *epidermal* **cells** of in vitro cultured cockroach embryos [Blabera cranifer]. 029271
Studies on the leaf anatomy of **Euphorbia.** V. *Epidermis.* 026050
Postgenital carpel fusion in Catharanthus roseus. II. Fine structure of the *epidermis* before **fusion.** 026061
Postgenital carpel fusion in Catharanthus roseus. III. Fine structure of the *epidermis* during and after **fusion.** 026062
Flavonoid localization in *epidermal* **papillae** of flower petals: a specialized adaptation for ultraviolet absorption. 026831

EPIDIDYMIS

The effect of exogenous administration of oestrogens on the function of the *epididymis* and the **accessory** sex glands in the boar. 023969
The significance of seasonal changes in the size of the testis and the diameter of the *epididymis* in **rams.** 024276
Pathology of the bovine **testis** and *epididymis.* 024911

EPIDURAL

Isolation of Actinobacillus lignieresi from an *epidural* **abscess** in a horse with progressive paralysis. 024585
Epidural **anaesthesia** in donkeys. 024379

EPILACHNA

Effect of the new insecticide PDD 60-40 on the fertility of *Epilachna* **varivestis** Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. (Coleoptera, Chrysomelidae). 028689

A comparison of predation by the pentatomids, Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, *Epilachna* **varivestis** Mulsant [pest of soybeans]. 028705
Suppression of Mexican bean beetle *[Epilachna* **varivestis]** on soybeans with annual inoculative releases of Pediobius foveolatus. 028738
Laboratory rearing of the Mexican bean beetle *[Epilachna* **varivestis]** and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and host-parasite ratios. 028850

EPINOTIA
Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: Ichneumonidae), a parasitoid of *Epinotia* **tedella** Cl. (Lepidoptera: Tortricidae). 029509

EPIPHYSIS
The status of loci of ossification and *epiphyseal* **plates** in the limb bones of neonatal crossbred (Banuur X Nali) sheep. 023433

EPIPHYTES
Epiphyte—**host** relations in seagrass communities [Algae]. 025867
The reproductive biology of the *epiphytic* **orchids** of Florida. II. A method for observing night-pollination. 027111
Seasonal changes in the *epiphytic* **population** of Erwinia amylovora on apple and pear. 028136

EPIPHYTOTIC
Epiphytotic **character** of Ceratohorum [setosum] disease of the yellow lupine in the Udmurt ASSR. 028010

EPITHELIUM
Ion absorption on **chloride** *epithelia* of caddisfly larvae (Trichoptera) [Glyphotaelius pellucidus]. 029339
The development of the guinea pig **gallbladder** *epithelial* cells. I. Light microscopical and carbohydrate-histochemical investigations. 023423
Fine structural demonstration of acid phosphatase in rabbit **germinal** *epithelium* prior to induced ovulation. 024055
Organization of an actin filament-membrane complex. Filament polarity and membrane attachment in the microvilli of **intestinal** *epithelial* cells [Chickens]. 023497
Myo-epithelial **junctions** in skeletal and in intestinal tract muscle of the mite, Caloglyphus anomalus (Acarina). 029437
Effect of ascorbic acid deficiency on the permeability and collagen biosynthesis of oral **mucosal** *epithelium.* 022033
Studies on the receptors to the odoriferous steroid, 5alphaandrost-16-en-3-one, in sow **nasal** *epithelium.* 023522
Structure and function of the **respiratory** *epithelium* in the tracheal gills of stonefly larvae [Perla, Protonemura, Taeniopteryx]. 029419

EPITRIMERUS
Population injury levels and sampling of the pear rust mite *[Epitrimerus* **pyri]** on pears in southern Oregon. 028871

EPIZOOTIC
Artificial dissemination and *epizootic* **initiation** of Nomuraea rileyi, and entomogenous fungus of Lepidopterous pests of soybeans [Biological control]. 028747
A **natural** *epizootic* of a coccidian in a population of the Egyptian alfalfa weevil, Hypera brunneipennis, and the alfalfa weevil, Hypera postica. 028757
An *epizootic* **outbreak** of ringworm in a guinea-pig colony caused by Trichophyton mentagrophytes [Fungi]. 024635
Epizootics of **virus** diseases of insects. 029015

EPIZOOTIOLOGY
Bovine salmonellosis: Incidence, economic **implications,** *epizootiology.* 024648

EPOXIDES
Carotene *epoxides* from the Delta tomato mutant. 027242
Conversion of squalene-2(3) *epoxide* by **enzymes** of Alnus glutinosa. 027331

EPOXY
Study of the tall fatty acids as a raw material for the synthesis of plasticizers-stabilizers *[Epoxidized* **ethers].** 025335

EQUINES *see* HORSES

EQUIPMENT
Maize harvest: direct mowing on the field is **accomplished** *[Equipment].* 030089
General information on **agricultural** *equipment* and agriculture. 030020
High frequency system for plant recognition **[Agricultural** *equipment,* automation]. 030159
Use of ventilation to remove odors from liquid manure *[Equipment,* **air** pollution control]. 030016
A combined swarm and all-purpose box **[Apicultural** *equipment].* 029763
A simple solar wax extractor **[Apicultural** *equipment].* 029764
In forest plantings: sprayer calibration for herbicide **application** *[Equipment.* 030060
Evaluating utilization of working time of *equipment* of **automated** production lines [Forest industries]. 025133
Increased effectiveness of hot air driers by improved **automation** *equipment* [East Germany]. 030007
Hens and swine in Hanover **[Barns** and *equipment].* 029922
The metrication [measurement] of **beekeeping** *equipment.* 029755
Building designs and *equipment* for **[cattle]** barns. 029950
Cattle handling facilities; the design **challenge** *[Equipment].* 030012
With high pressure in the last crack **[Cleaning** *equipment].* 030059
Comparative evaluation of *equipment* for **cleaning** and disinfection. 030092
Coating *equipment* and processes [Paper]. 025266
Mechanical grape harvesting in Anjou **[Costs,** *equipment].* 021429
Qualities of a lactoduc **[Dairy** *equipment,* milking parlors]. 030080
Determination of the sum of main stresses on the surface of photoelastimetric layer by measurement of transversal **deformation** *[Equipment].* 029992
Elements of a theory on intermittent ridging *[Equipment* **design].** 030133
Scandinavian whistle in **detail** *[Equipment].* 030036
Research on crumblers for presowing soil tillage *[Equipment,* **disks].** 030135
Velocity reducer and amplifier [Energy source for **farm** *equipment].* 029949
Maintenance of **farm** *equipment.* 030008
Large bales, heaped straw with **future** *[Equipment].* 030031
Equipment for **grain** disinfection with formaldehyde. 030164
Solar timing for pot watering **[Greenhouse** *equipment].* 030022
Standardization of designs and *equipment* **[Greenhouses].** 029885
More "phases", more losses? [Sugarbeet **harvesting,** *equipment].* 030032
Supplementary heat for piglets [Housing, **heating** *equipment].* 029948
Improving *equipment* and technology of timber felling operations. 025432
Lubrication of soil-metal **interfaces** *[Equipment].* 029980
A profile of logging in the Northeast. I. Crew size and *equipment* **investment.** 025467
Programming LOIS [light operated interval switch] for multiple mist signals **[Irrigation** *equipment].* 030021
Design of land **leveling** *equipment.* 030130
Effect of the characteristics of cycle duration [in logging] on *equipment* **load.** 025390
Experimental research on operations of specially-designed hydraulic tract or loader **[Logging** *equipment].* 025391
Statical solution on the cable crane **[logging** *equipment]* of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. 025421
Assembly of skyline cables with the aid of helicopters **[Logging** *equipment].* 025435
Improved armature for skidding chokers **[Logging** *equipment].* 025440
Movement of cranes on a rigging basis **[Logging** *equipment].* 025443
Stormflows and erosion after tree-length skidding on Coastal Plain soils **[Logging** *equipment].* 025527
The *equipment* and **machine** complex for silvicultural operations on irrigated land. 030087
Cold circulation cleaning of **milking** *equipment* is successful at farm level. 030061
Milk quantity measuring device for **milking** *equipment* and milking sheds. 030107
How to buy **milking** *equipment* in 1975. 030110
What milling and **mixing** *equipment* to know and what not to know. 030057
Stirring and **mixing** *equipment,* with special regard to the dairy industry. 030062
Development of measuring methods and a measuring frame for the examination of **mounted** *equipment.* 030095
A new **movable** *equipment* to remove honey. 022441
Favorable trends at the central agricultural festival in **Munich** *[Equipment].* 030077
Equipment **necessary** for vegetable growers. 030063
Determination of tire characteristics and *equipment* **performance** for field tractors. 030074
Rotavator in farming for high **performance** *[Equipment].* 030075
The ATD-2 apparatus with enlarged bunkers [Potato **planting** *equipment].* 030066
Accuracy of seed spacing in peanut **planting** *[Equipment].* 030142
The effect of field shelling *[equipment]* on **popcorn** quality. 030151
Equipment **probe** 6: broilers, griddles, and fryers: the ABC'sof a successful foodservice operation. 022333
Equipment **probe** 4: microwave ovens don't replace but complement conventional cooking units. 022334
Analysis of basic strength rations of the threshing **process** *[Equipment].* 029989
Plant juice protein: the promise, the problems [Alfalfa, **processing,** *equipment].* 022736
Complex for fruit **processing** *[Equipment].* 022987
VDR-5 crusher [Fruit **processing** *equipment].* 023001
The AP 45 Welger collector high pressure press [Feed **processing** *equipment].* 030038
Root temperature and glasshouse tomato **production** *[Equipment].* 029988
Sack filling: methods and *equipment* **[Products,** packaging]. 022435
The latest plant **protection** *equipment* on the international show at **Moscow.** 030106
Effect of underpressure oscillation on work stability of a pneumatic **pulsator** *[Equipment].* 029995
Effect of underpressure on performance and transportation efficiency of a rotary air **pump** *[Equipment].* 029994
The introduction of **"read-out"** *equipment* in the brewing industry. 022394
The introduction of **"read-out"** *equipment* in the brewing industry. 022395
Experimental results of abrasive wear **resistance** *[Equipment].* 029997
Determination of particle length in cobs and wafers **[Separator** *equipment].* 030143
Water for **sheep** *[Equipment].* 030013
A new approach to tree fruit collection [Limb padding, **space-fill,** *equipment].* 030141
Farewell to pitchforks and **spades?** *[Equipment].* 030026
Spigot *equipment* for preparing seedbeds. 030123
Operation and care of **spray** *equipment* for pecan trees. 030109
Big drops, little drips and granules **[Spraying** *equipment].* 030017
Contribution to a suitable, labor-saving method of confining cows in **stanchions** *[Equipment].* 030015
Tillage of potato **stands** *[Equipment].* 030067
A modern irrigation **station** *[Equipment].* 030104
Recent developments in the handling and weighing of farm animals **[Swine,** *equipment].* 030088
Automatic sample **taking** *equipment* for bacterial [contamination] count in milk tank trucks. 021866
On the **technical** *equipment* of logging in Romania. 025481
Efficient utilization of log **transport** *equipment.* 025437
Determining optimum productivity of *equipment* for **washing** parts in machine repairing. 030157

ERADICATION
Eradication of **bracken** [Pteridium aquilinum] on railway reserves. 028555
New herbicides for **weed** *eradication* in meadow clover. 028589

ERGOSTEROL
Isolation of *ergosterol* **peroxide** from Alternaria dianthicola [Fungi]. 026385

ERGOT
Ergot **alkaloids.** III. The isolation of N-methyl-4-dimethylallyltryptophan from **Claviceps** fusiformis [Fungi]. 026846
Colonization of *ergot* **[Claviceps** purpurea] honeydew by Fusarium heterosporum. 028050

ERICA
Scanning electron microscopy of pollen grains of the European **species** *Erica* L. 025964

ERICACEAE
Flora of the **Marquesas.** 1. *Ericaceae-Convolvulaceae.* 025819
Macromycetes [Fungi] of bushy and *ericaceous* **tundra** in the valleys of Great and Small Vud"iavrs Lakes in the Khibiny Mountains. 025744

ERIOPHYLLUM
A cytogeographic study of *Eriophyllum* **lanatum** (Compositae, Heleniеae). 025937

EROSION
Effectiveness of soil-protective crop rotations for *erosion* **control** in the forest-steppe zone of the Ukrainian SSR. 030600
Erosion **control** with no-till cropping practices. 030621
Soil and climatic characteristics of the Armavir wind **corridor** *[Erosion].* 030619
Microbial ecology and *erosion:* **domestication** of soil microbes and erosion of the Plata River basin. 030583
Influence of surface treatment of selected subsoil materials on **infiltration** and *erosion.* 030615
Erosion **losses** from Hawaii soils under simulated rainfall. 030604
Microbial ecology and erosion: domestication of soil microbes and *erosion* of the **Plata** River basin. 030583
Erosion **reduction** factors for chemically treated soils: a laboratory experiment. 030614
System of mixing tree species in reforestation of ravine-gully lands **[Soil** *erosion* control]. 025215
Soil *erosion* and conservation: pampean semiarid region [Argentina]. 030585
Results of using preparations of series K for control of **soil** *erosion* from irrigation. 030601
Natural mulch or chemical conditioner for reducing **soil** *erosion* in humid tropical areas. 030616
Effect of flow rate and canopy on rill **[soil]** *erosion.* 030620
Experimental studies of **soil** *erosion* in Daisen laom by surface water flow. 030624
Effect of **soil** *erosion* from basins on the sediment transport regime in rivers. 030628
Forest plantations on some *eroded* **surfaces** from agricultural lands. 025229
Drought effects from the 7314 1973 on softwood plantations on *eroded* **terrains** at Chela-Macin in the north of Dobrudja silvo steppe. 025227
Stormflows and *erosion* after **tree-length** skidding on Coastal Plain soils [Logging equipment]. 025527
Estimating seedling survival from **wind** *erosion* parameters. 028444
Soil stabilizers to control **wind** *erosion.* 030617

ERUCIC
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] *erucic* **acid** by the livers of rats fed with rapeseed or groundnut oil. 022144
Glyceride structure of Egyptian vegetable oils. VII. *Erucic* **acid** rich oils. 022808

ERWINIA
Seasonal changes in the epiphytic population of *Erwinia* **amylovora** on apple and pear. 028136
Bacterial blight *[Erwinia* **amylovora]** not discovered [but bacterial canker present on apples and pears in Maritime Territory]. 028155
The influence of temperature and soil moisture on the incidence of *Erwinia* **carotovora** var. carotovora in forced Dutch irises. 028124
Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with bacterial black spot *[Erwinia* **mangiferae].** 028126
Bacterial black spot *[Erwinia* **mangiferae]** in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial black spot *[Erwinia* **mangiferae]** in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Respiration rate of the mango fruit peel and its association with bacterial black spot *[Erwinia* **mangiferae].** 028129

ERYSIPELAS
Studies on the experimental production of **chronic** *erysipelas* in swine. 2. Studies with a live antigen in order to standardize a model disease. 024807

ERYSIPHACEAE
Important powdery mildew *[Erysiphaceae]* **diseases** in India and their control. 027958

ERYSIPHE
Powdery mildew *[Erysiphe* **betae]** of sugarbeets. 027941
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and fungitoxicity to *Erysiphe* **graminis** on barley [Powdery mildew]. 028040
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. III. A quantitative Hansch analysis [Barley, *Erysiphe* **graminis,** powdery mildew]. 028042
Influence of powdery mildew *[Erysiphe* **graminis]** on mitotic cell division of apical root meristems of barley. 028046
Fundamentals of a powdery mildew *[Erysiphe* **graminis]** forecast on spring barley. 028106
The fungus-host interface *[Erysiphe* **pisi,** peas]. 027981

ERYTHRINA
Syntheses of hexahydroindole-2,6-diones and **15,16-dimethoxyerythrinane-3,8-dione** *[Erythrina].* 026519

ERYTHRITOL
Hepatocellular uptake of *erythritol* and **mannitol** in the dog. 023216

ERYTHROCYTES
Properties of *erythrocytic* **acid** phosphatase in sheep and the isoenzymes of erythrocytic acid phosphatase in sheep and goats. 023253
Characterization and localization of the RNA synthesized in mature **avian** *erythrocytes* [Chickens]. 023398
The **avian** *erythrocyte:* a study of fixation for electron microscopy. 023530
Gene dosage and antigenic expression on the cell surface of **bovine** *erythrocytes.* 024403
A scanning electron microscope study of Eperythrozoon wenyoni [on *erythrocytes* of a **calf].** 024719
Erythrocyte **gamma-aminolevulinic** acid dehydrase changes in the preruminant calf. 023507
Influence of carbohydrate-free protein-rich diet on free alpha-amino nitrogen changes in plasma, *erythrocytes* and **leucocytes** [Rats]. 022172
Change in permeability of *erythrocyte* **membranes** in rodents caused by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. 022133
Studies on avian [chicken] *erythrocyte* **metabolism.** I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion exchange chromatography. 023378
Note on a third allele in th *erythrocytic* **NP** [nucleoside phosphorylase] system of cattle. 023977
Erythrocyte **oxidized** glutathione in Australian Merino sheep. 023238
Impermeability of **rabbit** *erythrocytes* to prostaglandins. 023217
Evidence against the participation of the gamma-glutamyltransfease-gamma-glutamylcyclotransferase pathway in amino acid transport by **rabbit** *erythrocytes.* 023279
Erythrocyte **sedimentation** rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood [Veterinary hematology]. 024333
Influence of acute tissue injury on in vitro incorporation of 6 5 Zn [zinc isotopes] by **sheep** *erythrocytes.* 024966
The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films containing condensed or **swollenchicken** *erythrocyte* nuclei. 023528
Transport of sulfonamides into caprine [goat] *erythrocyte* **[Veterinary** pharmacology]. 024317

ERYTHROID
Strand-selective transcription of globin genes in **rabbit** *erythroid* cells and chromatin. 023623

ERYTHROMYCIN
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial protein synthesis by *erythromycin* and **chloramphenicol.** 026647

ERYTHRONEURA
Key to the eight species of **coexisting** *Erythroneura* leafhoppers (Homoptera: Cicadellidae) on American sycamore [Platanus occidentalis]. 028820

ERYTHRONIUM
On the resistance to benomyl of fungi isolated from bulbs and corms [Penicillium, *Erythronium,* **Fusarium** oxysporum]. 027882

ERYTHROPOIESIS
Erythropoiesis in **cultures** of dispersed cell preparations from early chick blastodiscs. 023399

ESCHERICHIA
An automated rapid test for *Escherichia* **coli** in milk. 021920
Serum cholesterol and bowel flora in the newborn *[Escherichia* **coli,** Lactobacilli]. 022008
[Escherichia **coli]** endotoxin-induced endothelial injury andrepair. I. Endothelial cell turnover in the aorta of the rabbit. 024520
In vivo transfer of R factors between *Escherichia* **coli** strains inoculated into the rumen of sheep. 024605
Mastitis in sows *[Escherichia* **coli,** Klebsiella, swine]. 024668
Use of an isolator system to study the selective pressure of sulfaquinoxalin-containing coccidiostats on *Escherichia* **coli** population in chicks. 024810
Action of magnetic and electric fields on the growth and mutation rate of various microorganisms *[Escherichia* **coli,** bacteria, Penicillium chrysogenum, fungi]. 026370
Double chain sequence of RNA obtained through in vitro transcription of wheat DNA by *Escherichia* **coli** RNA polymerase. 026917
Spontaneous transformation of the **enteropathogenis** *Escherichia* coli serotype O149:K91:K-88ac:H10 into the enteropathogenic serotype O138:K81 [Rabbits]. 024415
Enterotoxaemia *Escherichia* coli infection in swine: herd resistance as related to environment. 024577
Persistence of tetracycline resistance in **pig** *Escherichia* coli. 024660

ESOPHAGUS
A note on fibroma of *esophagus* **associated** with Spirocerca lupi in a dog. 024559
An unusual case of dilatation of the *esophagus* in a **cat** [Lymphosarcomas, feline leukemia virus]. 024367

ESTERASES
Identification of five allotypes of serum **alpha2-lipoprotein** *esterases* in American minks (Mustela vison). 024220
Modification of Michael's method for determination of serumacetyl **choline** *esterase* activity [Indicator for organo-phosphorous insecticide poisoning, men and experimental animals]. 029087
Inter- and intraspecific relationship between two native Greek diploid Aegilops species by *esterase* **electrophoresis.** 025609
Genetic polymorphism of izoenzymes of peroxidases and *esterases* in **Populus** deltoides Bartr. 027341

ESTERIFICATION
Cholesterol *esterification* and lipids in plasma and liver from newborn and young guinea pigs raised on milk and non-milk diet. 022170
Interesterification and **hydrogenation** of animal fats. 022651
Esterified **sterol** glucoside and methylellagic acids from Aleurites fordii [tung tree] fruits. 022959

ESTERS
A process for the purification of lutein-fatty **acid** *esters* from marigold petals [Food colorants]. 022495
Utilization of lutein and lutein-fatty **acid** *esters* by laying hens. 023526
Analysis of pesticides by chemical derivatization. I. A new procedure for the formation of **2-chloroethyl** *esters* of ten herbicidal acids. 029115
Synthesis of **cholesterol** *esters* in the plasma and liver of sheep. 023585
Effect of diet on fatty acids in the lipoprotein **cholesteryl** *esters* of type IIa and normal individuals. 022150
Quantitative, multicomponent analysis of fatty acids from **cholesteryl** *esters* by chemical ionization reconstructed mass chromatography. [Human atherosclerosis]. 022154
Distribution of **cholesteryl** *esters* and other lipids in subcellular fractions of the adrenal gland of the pig. 023584
The synthesis of **dimethyl** *esters* of dl-O,O'-dimethylfukiic acid and dl-O,O'-dimethylepifukiic acid [Petasites japonicus]. 026352
Cross-linking of troponin with **dimethylimido** *esters* [Rabbits]. 023296
Biosynthesis of **ditigloyl** *esters* of di- and tri-hydroxytropanes in Datura [innoxia]. 026724
Thermal reaction of safflower oil fatty acid **methyl** *esters* in the presence of iodine: identification of reaction products. 022813
Application of differential thermal anaysis to peat waxes. 1. Long-chain alcohols, acids, triglycerides, and *esters* of **stearic** acid. 030265
Sulphate *esters* of caffeyl- and p-coumarylglucose in ferns [Adiantum, Pteridium aquilinum]. 026765
Synthesis and analysis of phytyl and phytenoyl **wax** *esters* [Hygrohypnum luridum, Paraleucobryum longifolium, Phleum pratense]. 026665

ESTRADIOL
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with *estradiol* **benzoate,** HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Calf response to the initiation of parturition in dairy cows with dexamethasone or dexamethasone with *estradiol* **benzoate.** 024088
Control of estrus in lactating beef cows with prostaglandin F-2alpha and *estradiol* **benzoate.** 024089
Effects of *oestradiol* and **progesterone** on the in vitro production of prostaglandin F2alpha by the guinea-pig uterus. 024044
Oestradiol-17beta, **progesterone** and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. 024134
Identification of **radioactive** *17beta-estradiol-17-beta-D-glucuronide* and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
Electrical stimulation of the median eminence in ovariectomized and *estradiol-treated* **sheep.** Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. 023599
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and *17alpha-estradiol-17-beta-D-glucuronide* in the **urine** of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356

ESTROGEN
A study on electrical activity of medial basal cells in the hypothalamus of the ewe following intravenous **administration** of *estrogen.* 023347
Effect of *estrogen* **applied** in puerperium on its course and some indices of fertility in dairy cows. 024244
The effect of *oestrogens* alone or in **association** with progestagens on the formation and regression of the corpus luteum of the cyclic cow. 024003
On the presence of *estrogens* in **calves'** meat and viscera. 021899
The effect of exogenous administration of *oestrogens* on the **function** of the epididymis and the accessory sex glands in the boar. 023969
Effect of foetal adrenalectomy on **maternal** *oestrogen* levels at dexamethasone-induced parturition in sheep. 024105
Synchronization and induction of estrus in heifers with a **progestagen** and *estrogen.* 023998
A method for **separaing** *estrogens* and phytoestrogens [in animal fluids] on Sephadex LH-20 columns. 023654
Alterations of DNA-dependent DNA polymerase activities in the immature quail oviduct in response to *estrogen* **stimulation.** 023600
Response of teat enzymes of sheep and cattle to stimulation by stilboestrol and *oestrogenic* **subterranean** clover. 024033
Estrogen **target** sites in the brain of the chick embryo. 023653

ESTRONE
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon **isotope]** *estrone.* 023356
Evidence for 16alpha-hydroxylation of *estrone* **3-sulphate** by guinea pig liver slices. 023355

ESTRUS
Influence of environmental heat on peripheral plasma progesterone and cortisol during the **bovine** *estrous* cycle. 024100
Sources of variation for wool, body weight and *estrous* **characters** in Romney hoggets [Sheep]. 024186
Estrus **control** in gilts with norethandrolone injections and an analogue of prostaglandins (ICI 80996). 023983
AI beef management with prostaglandin F2alpha **controlled** *estrus* [Cattle]. 024192
Some potential uses of prostaglandins in domestic animals [for **controlling** *estrus* in cows, mares and ewes]. 024043
Synchronization of *Oestrus* in **cows** using intravaginal silastic coils containing progesterone. 023999
Control of the *oestrous* **cycle** in Friesian heifers with ICI 80,996, a synthetic prostaglandin analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
The use of progestagens to control the *oestrous* **cycle** of the dairy goat. 024009
Observed associations between corpora lutea and follicular development in swine ovaries during the *estrous* **cycle.** 024093

Plasma relaxin immunoactivity during the *oestrous* **cycle** of the ewe. 024124
Estrus **detectors** [Dairy cattle]. 024063
Effect of prostaglandins on uterine contractions in the *estrous* **ewe** [Sheep]. 024224
Observations on the appearance of *estrus* in the **female** cat and dog. 024111
Effect of long- and short-term intravaginal progestagen treatments on shychronization of *oestrus* and **fertility** in heifers. 024117
Synchronization and induction of *estrus* in **heifers** with a progestagen and estrogen. 023998
Synchronization of *oestrus* in **heifers** and cyclic cows with progestagens and prostaglandins analogues alone or in combination. 024000
Control of *estrus* in **lactating** beef cows with prostaglandin F-2alpha and estradiol benzoate. 024089
Note on artificial insemination of Zebu cattle in Madagascar after synchronisation of *estrus* by **norethandrolone.** 024150
Induction of *estrus,* **ovulation** and fertility in prepuberal gilts. 023986
Synchronization of *oestrus* and **ovulation** in the mare with a two PG-HCG [prostaglandin-human chorionic gonadotropin] sequences treatment. 024001
Estrus and **ovulation** with prostaglandin F2alpha, norgestamet and gonadotrophin releasing hormone [Cattle]. 024197
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows **prior** to and during *oestrus.* 024134
Synchronization and stimulation of *estrus* in **sheep** with Megestrol acetate and pregnant mare's serum. 024270
Preovulatory changes in the ovaries during the first **spontaneous** *pro-oestrus* in the rat. 024108
Estrus **synchronization** in cattle. 024181
Effect of vitamin A on the effectiveness of *estrus* **synchronization** in sows. 024262
Fertility of *estrus* **synchronized** dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984

ESTUARIES
The effects of mercury on the photosynthesis and growth of *estuarine* and **oceanic** phytoplankton [Algae]. 028372
Response of *estuarine* **phytoplankton** to environmental conditions [Algae]. 025902

ETHANOL
Polarographic study of the reaction of vitamin K3 with thiol compounds in **aqueous** *ethanol.* 022143
Effects of **chronic** *ethanol* intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or groundnut oil. 022144
Investigation on the immunogenity of **concentrated** *ethanol* saponin vaccine against mucosal disease—bovine viral diarrhea. 024411
Metabolic studies on the development of *ethanol-induced* **fatty** liver in KK-Ay mice. 022139
Effects of *ethanol* and its **interaction** with vasoactive agents in bovine vascular smooth muscle. 023259
Seasonal flight and vertical distribution of Scolytidae attractred to *ethanol* in an **oak-hickory** [Quercus, Carya] forest in Missouri. 029287
Determination of sugar, glycerol and *ethanol* in **wine** by means of high-pressure liquid chromatography. 022892

ETHEPHON
The influence of storage temperature and 2-chloroethylphosphonic **acid** *(ethephon)* on shoot elongation and flowering in tulips. 027091
The effects on growth and flowering of the chemical growth **regulators** *ethephon* on Narcissus and ancymidol on tulip. 027086
Effects of *ethephon* and **waxing** on the degreening of Cyprusgrown lemons and grapefruit. 022945

ETHERS
Study of the tall fatty acids as a raw material for the synthesis of plasticizers-stabilizers [**Epoxidized** *ethers].* 025335
Synthesis of **guaiacylglycerol-beta-guaiacyl** *ether* [Lignin chemistry]. 025367
Studies on ketene and its derivatives. LXXV. Reaction of diketene with N-benzylacetimidate and **lactim** *ethers* to give 1,6-naphthyridine derivatives [Sophora alopecuroides]. 026515
Drosophilin, a **methyl** *ether* from Mycena megaspora [Fungi]. 026733
Flavonol **methyl** *ethers* from Chrysothamnus viscidiflorus. 026739
Structural determination of C-glycosylflavones [in plant extracts] by mass spectrometry of their **permethyl** *ethers.* 026764

ETHNIC
Local taxonomy and terminology for some terrestrial arthropods in five different *ethnic* **groups** of Papua New Guinea and central Australia. 029615

ETHOLOGY
Ethological and **ecological** system of livestock husbandry [Horses, cows, care]. 023098
Ethology of **Efferia** frewingi (Diptera: Asilidae). 029219

ETHOXYQUIN
Free radical formation in the **antioxidant** *ethoxyquin* [used in food processing]. 022510
Gas chromatographic-mass spectrometric studies of *ethoxyquin* [an **antioxidant** used in feeds] in some organic solvents. I. 023041
Gas chromatographic determination of [the antioxidant] *ethoxyquin* in **feed** and food products. II. 023042

ETHYL
The crystal and molecular structure and absolute configuration of *ethyl* **chlorophyllide** a dihydrate. A model for the different spectral forms of chlorophyll a [Ailanthus altissima]. 026620
The crystal and molecular structure of *ethyl* **chlorophyllide** b dihydrate at -153 degrees [Ailanthus altissima]. 026621
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and *pirimiphos-ethyl* **following** spring and late-summer soil application [Residues, chemical control, carrot insect pests]. 028886
Synthesis and herbicidal activity of the optical isomers of *O-ethyl* **O-2-nitro-5-methylphenyl** N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485

ETHYLENE
The effects of gibberellic acid, 2-chloroethyl phosphonic **acid** *(ethylene)* and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222
Evaluation: Ethylenethiourea *[Ethylene* **bisdithiocarbamate** fungicides, residues]. 029123
Effect of gibberellic acid, kinetin, and *ethylene* plus **carbon** dioxide on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). 027268
Cellulase activity, endogenous abscisic acid, and *ethylene* in four **citrus** cultivars during maturation. 027263
Ethylene as a **critical** regulator of microbial activity in soil. 030213
Ethylene and the **degreening** of plant tissues [Spinach]. 027227
Comparison of toxicity between organophosphorus toxicants and *ethylene* **dibromide,** alone and in combination, to Monochamus alternatus Hope (Coleoptera: Cerambycidae. I. The. 028949
Ethylene **disorders** in bulbous crops [Tulipa] during storageand glasshouse cultivation. 028301
Growth regulation by *ethylene* in **fern** gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. 026355
Biosynthesis and regulatory control of *ethylene* in **fruit** ripening. A review. 027222
Growth regulation by ethylene in fern gametophytes. IV. Involvement of photosynthesis in **overcoming** *ethylene* inhibition of spore germination. 026355
Virus inactivation by *ethylene* **oxide** containing gases [Cats]. 024402
Estimation of *ethylene* **produced** by pea (Pisum sativum L.) plants inhibited with auxin and treated with cytokinin. 027126
Appraisal of *ethylene* **production** as a test for defoliants [Kidney beans]. 027186
Technique for the determination of the rate of *ethylene* **production** by Pseudomonas solanacearum [Bacterial wilt, tomatoes, pototoes]. 028148
Concentration dependencies of *ethylene* on **shuck** dehiscence and fruit and leaf abscission of Carya illinoensis [Wang.] K. Koch. 027188
Ethylene as a **stimulator** of ripening for Vaccinium vitis-idaea. 027213
Promotion of softening and *ethylene* **synthesis** in Bartlett pears by 3-methylene oxindole. 022960
Influence of varying temperature conditions on the respiration of *ethylene* **synthesis** and organoleptic behaviour of Passe-Crassane pears. 027229
Preparation and purification of an enzyme system for *ethylene* **synthesis** from acrylate [Kidney beans]. 027231
Production of *ethylene* and other **volatiles** and changes in cellulase and laccase activities during the life cycle of the cultivated mushroom, Agaricus bisporus. 027194

ETHYLENEDIAMINE
51Cr-EDTA, 91Y and 141Ce [**chromium** *isotope-ethylenediamine,* tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541

ETHYLENIMINE
The joint action of gamma rays and *ethylenimine* during the **presynthetic** period of the mitotic cycle on cells of seeds of Crepis capillaris. 026287

ETIOLATION
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in **plants** *(etiolated* wheat germs, and bean leaves). 026878

ETIOLOGY
On *etiology* of **abortions** in farm animals. 024385
Mycotoxicological approach to the detection of *etiological* **agents** implicating human and livestock mycotoxicoses in Japan. 024539
Investigations on the *etiology* of **cherry** decline in the German Democratic Republic and the Moldavian Socialist Soviet Republic [Virus diseases]. 028305
Modern views on the *etiology,* **epidemiology,** diagnosis and pathology of urinary bladder cancer [in animals]. 024863
Fundamental studies on the *etiology* of **haematuria** vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003
Infectious [Scrapie] *etiology* of **neuritic** (senile) plaques in mice. 024717
The *etiology* of **swine** dysentery. III. The role of selected gram-negative **obligate** anaerobes. 024749
Etiology and **treatment** of placental retention in the cow—a comparison of three methods. 024862
A new bovine disease "hyena disease" [of **unknown** *etiology,* osteodystrophy]. 024884
Viral *etiology* of mammary tumours. 024684

ETIOPLASTS
Etioplast and **chromoplast** development in the lycopenic mutant of maize. 026035
Characterization of the terminal stages of chlorophyll(ide) synthesis in *etioplast* **membrane** preparations [from maize and barley]. 026904

ETORPHINE
Influence of *etorphine* **acepromazine** and diprenorphine on respiratory function in ponies. 023326

EUCALYPTUS
Arsenical diffusion treatment of *Eucalyptus* **diversicolor** rail sleepers. 025361
Convective and evaporative cooling in sawfly larvae [Perga **dorsalis,** *Eucalyptus].* 028946
Volume table for *Eucalyptus* **grandis** [Forest mensuration]. 025159
CO2 [carbon dioxide] storage in *Eucalyptus* **oil** glands: a hypothesis disproved. 027304
Use of ethrel to promote rooting and growth in transplanting some *Eucalyptus* **seedlings.** 027327

EUCARYOTE
Eukaryotic **chromosome** replication. 024022
Screening of new biogenic antimetabolites using prokaryotic and *eukaryotic* **microbial** models [Includes Neurospora crassa, fungi. 026416
Action of exogenous DNA on the *eucaryotic* **organism** and its cells [Animals, plants]. 024060
Some aspects of recombination in *eukaryotic* **organisms.** 026087

EUGENOL
Oriental fruit fly [Dacus dorsalis]: thickened formulationsof **methyl** *eugenol* in spot applications for male annihilation. 028869
Identification of a fruit fly [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as **O-methyl** *eugenol.* 026639
Japanese beetles [Popillia japonica] attractancy of mixtures of lures containing phenethyl **propionate** and *eugenol.* 028664

EUGLENA
High speed cinemicrography of the direct photophobic response of *Euglena* **[gracilis,** algae] and the mechanism of negative phototaxis. 026661
Changes in amino acid and peptide compositon of *Euglena* **gracilis** [Algae] cells during chloroplast development. 026796
Changes in chloroplast ribosomal proteins in a streptomycinresistant mutant of *Euglena* **gracilis** [Algae]. 026797
The measurement of phototactic activity in *Euglena* **gracilisKlebs** [Algae]. 026685

EULOPHIDAE
Laboratory crossings with different sources of the larch casebearer parasite Chrysocharis laricinellae **(Hymenoptera:** *Eulophidae).* 029283

EUMENIDAE
New records for Zethus from Texas **(Hymenoptera:** *Eumenidae).* 029589

EUMERUS
Record of lunate fly, *Eumerus* **sp.** (Syrphidae: Diptera) on potatoes from **India.** 028831

EUPATORIUM
The ecology of *Eupatorium* **odoratum** L. II. Physiological studies of Eupatorium odoratum from the new and old world tropics. 025907

EUPHORBIA
Studies on the leaf anatomy of *Euphorbia.* V. **Epidermis.** 026050
Picloram for the control of leafy spurge *[Euphorbia* **esula].** 028502
Flowering of *Euphorbia* **flugens** Karw. Ex Klotzsch and its variable sizes. 026423
Euphorbia **geniculata**—ovule to seed. 025930
Antifungal activity of 'choti dudhi' **plant** *(Euphorbia* prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In vitro studies [Mycotic dermatitis, control]. 024561
It could be cheaper to buy poinsettia *[Euphorbia* **pulcherrima]** cuttings. III. 021513
The influence of the time of propagation, pinching and shortday treatment on the growth and development of *Euphorbia* **pulcherrima.** 027641

A new era for poinsettias *[Euphorbia* **pulcherrima]:** Performance and resistance. 027689
Four new species of plants endemic in the Macdonnell and George Gill Ranges, Central Australia [Portulaca filsonii, *Euphorbia* **sarcostemmoides,** Ricinocarpos gloria-medii, Leucopogon sonderensis]. 025753
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and *Euphorbia* **thymifolia** Linn.) against certain dermatophytes. I. In vitro studies [Mycotic dermatitis, control]. 024561

EUPHORBIACEAE
Some toxic **African** *Euphorbiaceae.* 026786
Conspectus of a new **classification** of the *Euphorbiaceae.* 025831
Reinstatement of an alleged nomen confusum and typification of Givotia Griff. *(Euphorbiaceae)* **[Nomenclature].** 025842
Pollination of Cnidoscolus **texanus** *(Euphorbiaceae)* in south-central Oklahoma. 026835

EURYDEMA
Effect of the new insecticide PDD 60-40 on nymphs and adults of the cabbage **bug** *Eurydema* oleraceum L. (Heteroptera, Pentatomidae). 028898

EURYGASTER
Agrotechnical measures for control of *Eurygaster* **integriceps** [Cereal pests]. 028802
Regional treatments for control of *Eurygaster* **integriceps** [Wheat pests, Kazakhstan]. 028805

EUSCHISTUS
Effects of developmental photoperiod on adult morphology in *Euschistus* **tristigmus** tristigmus (Say) (Hemiptera: Pentatomidae). 029218

EUTOGENES
Redescription of *Eutogenes* **vicinus** Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of males and immature stages (Acarina: Cheyletidae). 029659

EUTROPHICATION
Effect of nitrogen and phosphorus on the growth of selenastrum **capricornutum** *[Eutrophication].* 026544
Evaluating a mathematical model for predicting **lake** *eutrophication.* 030817
Algal assays for the **national** *eutrophication* survey. 030854
Biological availability of sediment phosphorus to microorganisms [Algae, aquatic **weeds,** *eutrophication].* 026696

EUXOA
Biosystematics of the **genus** *Euxoa* (Lepidoptera: Noctuidae). IV. Eggs of the subgenus Euxoa Hbn. 029551
The misturata group of the **genus** *Euxoa* (Lepidoptera: Noctuidae) with a description of a new species [Euxoa melana]. 029554
Biosystematics of the genus Euxoa (Lepidoptera: Noctuidae). IV. Eggs of the **subgenus** *Euxoa* Hbn. 029551

EVAPORATION
Estimating the transport and *evaporation* of **blowing** snow. 030701
Influence of **chloroform** *evaporation* on isolation and infectivity of barley stripe mosaic virus. 028161
Plantwetting and *evaporative* **cooling** of greenhouse roses and other flower crops. 027623
Convective and *evaporative* **cooling** in sawfly larvae [Perga dorsalis, Eucalyptus]. 028946
Scheduling drip irrigation with *evaporation* **pans** [Fruit]. 030731
A study of *evaporation* from a **snowdrift.** 030699
Infiltration, *evaporation,* and **water** movement as related to water repellency [Soils]. 030366

EVAPOTRANSPIRATION
Optimization of water use efficiency under high frequency irrigation. I. *Evapotranspiration* and **yield** relationship. 030737

EVERGREENS
Plants of **Christmas** and before *[Evergreens].* 027695
An analysis of accumulation and decomposition of litter fall in **hill** *evergreen* forest Doi-Pui Chiengmai. 030327
Leaf litter fungi associated with *evergreen* **oak** forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
A comparison of two drip irrigaton schedules with sprinkler irrigation in **Thornless** *Evergreen* blackberries. 030727

EVOLUTION
The *evolution* of **alternative** rural development strategies in Ethiopia: implications for employment and income distribution. 021680
The organization, expression, and *evolution* of **antibody** genes and other multigene families. 024023
Evolving **breeding** system in rai (Brassica juncea). 026132
Ammotragus lervia: progenitor of the domesticated sheep or specialized offshoot of **caprine** *evolution?* 023406
Morphological and **chemical** *evolution* of chromatin during spermiogenesis of the locust Locusta migratoria. 029434
Evolution of **chlorinated** phenols from concentrated boron solutions containing these phenols added as their sodium salts [Wood preservation]. 025465
Studies of Mydidae (Diptera) systematics and *evolution.* II. **Classification** of the Mydinae, with description of a new genus and a revision of Ceriomydas williston. 029544
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] *evolution* of **decaying** wood. 025429
Evolution of **flavonoid** compounds. 025701
Evolution in the **genus** Avena: inheritance of different forms of ribulose diphosphate carboxylase [Oats]. 026121
Relationships between distribution and *evolution* in some **heterogathmic** tropical groups [Plants]. 025625
Action spectra of photosynthesis and **hydrogen** *evolution* by bacteria, algae, and higher plants. 026541
Photoinduced **hydrogen** *evolution* by bacteria, algae, and higher plants. 026542
A comparative study on the *evolution* of **lipids** and starch reserves at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879
Energy determinism of brambling (Fringilla montifringilla) concentrations in relation to *evolution* of **maize** cultivationin France from 1955 to 1973. 025884
Ultrastructure of Agaricus sylvicola and Agaricus bisporus [musroom] cell **membrane** *evolution* during fruit body development. 025973
Immunochemical methods in the study of **ontogenic** *evolution* of proteins: fraction I protein and malate dehydrogenase during ageing of wheat leaves. 027003
Chromosome numbers and *evolution* in **Ophrys** (Orchidaceae). 026232
From tribe to cooperative: outline of the *evolution* of **OranHigh** Plains. 021306
Manganese and photosynthetic **oxygen** *evolution* by algae [Anabaena cylindrica, Chlorella vulgaris]. 026690
Relaionship between the change in the chloroplastic nitrogen fractions and the rate of **oxygen** *evolution* in rice plants. 027049
Mirex and marine unicellular algae: accumulation, population growth and **oxygen** *evolution.* 028337
Pigment *evolution* in Lycopersicon esculentum [tomato] fruits during growth and ripening. 027248
Evolution of **plasma** progesterone at the end of pregnancy, of ewe bearing a hypophysectomised fetus. Effect of dexamethasone administration. 024051
Studies of Mydidae (Diptera) systematics and *evolution.* I. A **preliminary** classification in subfamilies, with the descriptions of two new genera from the Oriental and and Australian regions. 029543
Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The chromosome races and their structural and *evolutionary* **relationships.** 029300
The variation and *evolution* of **selected** species of Solanum section Basarthrum [New taxa]. 025638
Insect antennae with special reference to the mechanism of scent detection and the *evolution* of the **sensilla.** 029386
Pollination of Hibbertia hypericoides (Dilleniaceae) and its *evolutionary* **significance.** 026651
Equations of *evolution* of the **structure** and density of synchronous, relatively steady—state biological communities. 030988
Formation of winged insects [Pterygota] and their present **system** *[Evolution].* 029514
Development of irrigation and *evolution* of **watering** techniques. 030637

EWES *see* **SHEEP**

EXCHANGE
Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by **anion** *exchange* chromatography. 023378
Calcium-ammonium *exchange* equilibria in three soil clays of Mysore State. 030299
Ion exchange removal of carbonates from saline calcareous soils prior to determination of *cation-exchange* **capacity** using 89Sr++ [strontium ions]. 030341
Determination of **cation** *exchange* capacity of clays as influenced by ion species. 030305
Correlation of specific surface area of soils according to the BET theory with **cation** *exchange* capacity, water content at the suction of 15 atmosphere pressure. 030378
On-line measurement of *gas-exchange* **conditions** in fermentation processes [Candida utilis, yeasts]. 022384
Prediction of *ion-exchange* **equilibria** in aqueous systems with more than two counter-ions [Soils]. 030343
Exchange of **experience** and knowledge on problems of quality control in the storage and supply of potatoes. 022867
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory **gas** *exchanges.* 023377
Enhancement of CO2 [carbon dioxide] **gas** *exchange* in the leaves of Convallaria majalis L., its action spectrum and light saturation. 027275
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] *exchange* and **growth** in Avena [oats] coleoptile segments. 027030
A model of the **heat** *exchange* of sheep with the environment. 023626
Peptide **hydrogen** *exchange* rates in Streptomyces subtilisin inhibitor. A study by proton magnetic resonance [Yeasts]. 026411
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from **ion** *exchange* chromatography [Picea abies, holocellulose]. 025492
Ion *exchange* removal of carbonates from saline calcareous soils prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. 030341
Isolation of alkaloids form Ungernia severtzovii by the *ion-exchange* **method.** 026486
Exchange **rate** fluctuations and border levies: consequences for swine producers in the German Federal Republic with respect to their 1970-1973 price level. 021463
Scanning electron microscope (SEM) observations of soil structure changes induced by **sodium-calcium** *exchange* in relation to hydraulic conductivity. 030344
Nutritional and medical evaluation of **sugar** *exchange* materials in oral and parenteral application. 022173
Operative care of infected wounds with an *exchange* **suture** [Dogs]. 024363
On the manifestation of biogenetic law in plant **water** *exchange.* 026870

EXCISION
Nitrate uptake and induction of nitrate reductase in *excised* **corn** roots. 027025
Repair of UV [ultraviolet]-induced DNA damage and survival in yeast [Saccharomyces cerevisiae]. I. **Dimer** *excision.* 026226
Differentiation in Coprinus lagopus [Fungi]. III. Expansion of *excised* **fruit-bodies.** 025944
The reaction of hair follicles in the vicinity of **full-thickness** *excised* skin wounds in the dog. 024978
Further evaluation of conventional and hot-boned bovine longissimus dorsi **muscle** *excised* at various conditioning periods [Beef carcasses, tenderness]. 022681
Radiation studies on Azotobacter chroococcum [soil bacteria]. IV. Effect of a temporary block of DNA replication on *excision* **repair.** 030393
The quiescent centre in *excised* **roots** of Pisum sativum L. [Peas]. 027283
On the specificity of sucrose for the growth of *excised* **tomato** roots. 027154

EXCITATION
Excitation **spectra** for photosystem I and photosystem II in [spinach] chloroplasts and the spectral characteristics of the distribution of quanta between the two photosystems. 027136

EXCREMENT
Recirculation of centrifugate in mechanical dehydration of **poultry** *excrements* [Waste removal]. 029983
Pot experiments with oats on the influence of feed supplements on the fertilizer effect of [pouldtry and **swine**] *excrements.* 030424

EXCRETION
Excreta **analysis** on additional cockroach [Parcoblatta pennsylvanica] species and the house cricket [Acheta domesticus]. 029310
Effect of different dietary protein intake on urinary **creatinine** *excretion* in adults. 022107
The effects of dietary calcium and phosphorus on the retention and *excretion* of **lead** in rats. 022059
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the intracellular transit and *excretion* of **milk** proteins. Autoradiographic study in the. 023532
Influnece of the culture method on the **phytohormone** *excretion* of pea roots. 027127
Changes in renal hemodynamics and **sodium** *excretion* during saline infusion in lambs. 023180
Effect of wheat fiber on blood lipids, fecal **steroid** *excretion* and serum iron [in human nutrition]. 021999
Twenty-four hour **urinary** *excretion* of vitamins, minerals and nitrogen by Eskimos. 022010

EXERCISE
The effect of *exercise* on **calcium** metabolism in horses. 023617
Delphi *exercises* in forecasting technology for the food industry in the United Kingdom. 022303
Effects of some drugs on the physiological changes during *exercise* in the **horse.** 024309

EXHIBITS
Physiological aspects of nitrate utilisation in a barley **variety** *exhibiting* high seed protein content. 026986

EXINE
Aperture in the *exine* and **external** intine of the pollen of Juniperus chinensis L., and Juniperus communis L. 026045

EXOCORTIS
Comparative studies of two viroids: analysis of potato spindle tuber and **citrus** *exocortis* viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279

EXOGENOUS
The effect of *exogenous* **administration** of oestrogens on the function of the epididymis and the accessory sex glands in the boar. 023969
Soil fungistasis: elevation of the *exogenous* **carbon** and nitrogen requirements for spore germination by fungistatic volatiles in soils. 030192
Action of *exogenous* **DNA** on the eucaryotic organism and its cells [Animals, plants]. 024060
Induction of ovulation and pregnancy in captive cottontail rabbits by *exogenous* **gonadotrophin** treatment and artificial insemination. 024225
The response of chick embryos to *exogenous* **parathyroid** hormone. 023418
Detoxication mechanism of Bombyx mori against *exogenous* **phytoecdysone** ecdysterone. 029837
Effects of *exogenous* **supply** of glucose or cycloheximide on nitrogen metabolism of cut Iris germanica L. flowers. 027226

EXOTOXIN
Teratogenicity of the thermostable beta *exotoxin* of **Bacillus** thuringiensis in Galleria mellonella. 029429
Action of Bacillus thuringiensis preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by *beta-exotoxin* and **DDT.** 028936

EXPEDITION
The first **botanical** *expedition* to the eastern shores of the Caspian Sea. 025556
Coccoidea collected by the Hokkaido **University** *Expedition* to Nepal Himalaya, 1968 (Homoptera) [New taxa]. 029598

EXPENDITURES
Norms of **capital** *expenditures* for the establishment of stone fruit orchards. 021451
Reduction of *expenditures* in the **dairy** cattle industry. 021452
Farmers' *expenditures* for custom pesticide services, 1971. 021361
Expenditures relating to land utilization in areas of tourist traffic—an examination of **problematic** *expenditures* relating to land utilization in spheres of different functions [Recreational use]. 021193
Public *expenditures* for agriculture in France and West Germany [Policies]. 021681
Expenditures **relating** to land utilization in areas of tourist traffic—an examination of problematic expenditures relating to land utilization in spheres of different functions [Recreational use]. 021193

EXPLANTS
A mathematical treatment of rate data obtained in biological flow systems under nonsteady state conditions **[Cotton** *explant].* 027014

EXPLOITATION
The productive goat, a resource in the process of being *exploited* **[Colombia].** 023154
Possibilities of a more **intensive** *exploitation* of infantile gilts [Breeding]. 024242
Appraisals of the Association of Colombian Farmers in relation to the 6th law of 1975, which prescribes norms for share farming and other kinds of **land** *exploitation.* 021795
Changes in the natural growth of Gelidiella acerosa (Forskal) Feldmann et Hamel in an *exploited* **population** [Algae, agar industry]. 025877
Increasing the effectiveness of **sow** *exploitation* [Weaning]. 023171
Exploitation of some **wastes** of vegetable oils as sources of vitamin E in animal and poultry husbandry. 023944

EXPLORATION
Exploring ways and **means** to reduce the cost of production ofmilk to encourage dairy farming. 021396
Exploring for **mushrooms** with A. H. Smith. 025768
The origin of sugarcanes and centres of genetic diversity in Saccharum: an enquiry to determine the most profitable areas to *explore* for **sugarcane** germplasm. 026298
An *exploratory* **ultrasonic** study on quantitative foetal kinesis in the horse. 023247

EXPLOSIVES
System of management and control of work with *explosives* in **Czechoslovakia** [Safety engineering]. 029982

EXPORTS
Beef: to *export* is to **adapt** itself. 021621
U.S. **Agricltural** *exports*—"a national asset". 021564
The problem of Hungarian **agricultural** *exports* in the English-Austrian trade talks of the 1860s. 021462
Leading markets for 1974 U.S. **Agricultural** *exports* [Statistics] 021496
Leading markets for U.S. **Agricultural** *exports* in fiscal 1975. 021497
U.S. **Agricultural** *exports* may total $22 billion in fiscal 1976. 021501
U.S. **Agricultural** *exports* to Iran up dramatically in fiscal 1975. 021503
U.S. **Agricultural** *exports* adjusted for transshipments, 1974[Statistics]. 021506
Value of U.S. **Agricultural** *exports* expected to be lower in fiscal 1976. 021511
Port of Galveston marks 150th anniversary [U.S. **Agricultural** *exports].* 021556
Australian grains stage rally as rains finally **arrive** *[Exports].* 021520
New improved kidney bean varieties for internal comsumption and *export* **[Breeding** for mosaic resistance, Chile]. 026281
Research on pesticides residues in *exported* **commodities** [Food]. 029164
Problems concerning production of dairy machinery for use within the **country** and their *export.* 021579
Measures taken for strengthening the Mexican **economy** *[Exports].* 021598
Trumps of French animal husbandry in a conjuncture **favorable** to *export.* 021622
U.S. Dairy trade deficit reduced in fiscal 1975 as *exports* **gain** and imports decline [Statistics]. 021515
No transport crunch yet for record U.S. **Grain** *exports.* 021550
France's grain crops down, but *exports* may be **higher.** 021535
Cotton sales skid cuts U.S. *Exports* to **Hong** Kong. 021528
Sugar, new king of the *export* **market.** 021631
U.S. Soybean, **meal** *exports* to stage comeback in 1976. 021567
World cottonseed production down, oil and **meal** *exports* to decline in 1976. 021643
World protein situation with particular reference to the future for Australian **meat** *exports.* 021616
Modest recovery seen in '76 for U.S. Fats and **oils** *exports.* 021546
Japan's fast-food industry: *export* **potential** for U.S. Products. 021493
Record farm **product** *exports* to European Community in 1974. 021499
World flaxseed **production** and *exports.* 021644
U.S. Agricultural trade with Canada, fiscal 1975: *exports* **rise,** imports decline. 021505
Determination of the optimum sowing date for eggplant and sweet pepper grown in the **Sudan** for *export.* 027597
In 1980 Brazil will be able to *export* 500,000 **tons** of beef. 021595
India's coffee production and *exports* **trending** up. 021539
U.S. *Export* **unit** values decline. 021507
Argentina's **wheat** *exports* may be highest in a decade. 021518

EXPOSURE
The durability of painted plywood: the correlation between the outdoor *exposure* and the **accelerating** test. 025418
Long-term effects of [the avian frightening agent] **4-aminopyridine** *exposure* to birds and fish. 029142
Display of two reaction patterns after *exposure* of **barley** seeds to gamma radiation of 60Co [cobalt isotope] in air. 026916
Exposure to **Brucella** abortus in veterinary undergraduates and graduates. 024752
Exposure to an **environment** containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Inhibition of thermal tachypnoea in rabbits **following** *exposure* to cold and water deprivation. 023550
Exposure of **meat** to methyl bromide during refrigerated-store **pest control; residues** in beef and lamb and effect on quality. 028985

EXPROPRIATION
Considerations on the preliminary plan of the agricultural law [Legislation, **land** *expropriation,* Argentina]. 021687

EXTENSION
Situation on **agricultural** *extension* service. 1. 021077
Extension of the **area** of distribution of Juglans cinerea L. In Quebec. 025152
Extension of **bacterial** rodenticides [Cereal pests, control]. 028466
Research on nutrition of meat and *extender* **blends** shows PER of mixtures close to that of lean beef. 022341
This is **Cooperative** *Extension* [Service of the U.S. Department of Agriculture]. 021308
Learning the *extension* way. 021094
Spotlighting professionalism *[Extension* **home** economists]. 022229
Perception of and preference for the *extension* **job** by the agricultural university personnel. 021112
Contact of *extension* **officers** with different sources of agricultural information in West Bengal. 021106
Wheat in the **rural** *extension* program of Angola [Culture]. 027490
The potato in the **rural** *extension* program of Angola [Culture]. 027823
The integrated research advisory and *extension* **service** of the South African Sugar Association's Experiment Station. 022816
Use of in-package controlled atmospheres for *extending* the **shelf** life of meat products. 022665
Extending the **shelf-life** of cultivated mushrooms by gamma radiation. 022901
Impact of the *extension* of **unemployment** insurance to agricultural employment in Pennsylvania. 021372
Wisconsin [plant] **wildfoods** *[Extension].* 025552

EXTINCTION
Using the coefficient of *extinction* in **determining** quality and quality of humus compounds by spectrophotometry in soils under irrigation for a long time. 030384

EXTRACELLULAR *see* CELLS

EXTRACTION
Problems of *extraction* and **analysis** of some aromatic compounds of dairy products. I. Concentration and extraction techniques. 022598
Composition of **beta-sitosterol** *extracted* from tall [oil] products. 025301
An inventory of *extractable* **boron** in the profiles of soils used for corn production in Michigan. 030331
Clarification of *extracted* **colophony** by moistened furfurol. 025299
Improvement of the battery-dephlegmating method of *extraction* [of **colophony].** 025309
Using p-dimethylaminobenzaldehyde for *extraction* and **colorimetric** determination of urea in soil. 030184
Extraction and **concentration** of the volatile constituents of cereals grains with a view to their analysis by gas chromatography. 022739
Comparative study of methods for the *extraction* of **eleven** organophosphorus pesticide residues in rice. 021910
Extractability of **gibberellin-like** substances from tulips grown at two temperatures in either the light or dark. 027074
Juice *extraction* of frozen apple pulp. 022880
Procedural change in the official method for the *extraction* of **light** filth from cocoa, chocolate, and press cake. 021915
Method of determining formaldehyde and **methanol** *extracted* in poly-condensation of resin in hot pressing of particle boards. 025395
Analysis of hops and pellets from hop preparations. Simplification of *extraction* **method.** 022398
Effect of double stimulation in the receiver-less method of *extraction* of **native** turpentine. 025305
A modified apparatus for the *extraction* of **nematodes** from sterile culture [Pratylenchus, sweetcorn]. 028399
The effects of autumn foliar urea sprays on storage forms of **nitrogen** *extracted* from bark and wood of apple shoots. 027204
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in *extracting* the **olive** oil by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Periodical *extraction* of furfurol with trichloroethylene from water solutions [Wood hydrolisis]. 025318
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. *Extraction* of a **phenol** from the fruit and its association with enzymic browning. 028128
Extracting **plants:** palm oil and kernel recovery [Industry and agriculture, Guatemala]. 021217
Effect of temperature on the process of *extraction* of **products** of pre-hydrolysis from chip cellolignin. 025306
Nutritional qualities of some African edible leafy vegetables. Effect of boiling on the essential amino acid composition of their *extracted* **protein.** 022933
Utilization of edible protein from meat industry by-products and waste. V. The characterization of *extracted* **proteins,** using polyacrylamide **gel** electrophoresis. 022505
Balance and dynamics of distribution of *extractive* **resins** during the process of sulfate cellulose boiling. 025298
Trends in the processing of oil seeds and fruits. The **simultaneous** *extraction* of oils and proteins. 022525
Rapid determination of fat in meat and meat products by Foss-let **solvent** *extraction* and density measurement. 022673
The "Direx-40" process for direct **solvent** *extraction* of seeds with a high oil content without pre-pressing, i.e. without using expellers. 022819
The influence of adding sulphurous acid and calcium bisulphite during the *extraction* of **sugarbeet** cossettes on the amount of pulp. 022855
Preparation of protein isolated from *extracted* **sunflower** grits. 022758
Problems of extraction and analysis of some aromatic compounds of dairy products. I. Concentration and *extraction* **techniques.** 022598
Extraction and **utilization** of space acquired physiographic data for water resources development. 030785
On the use of enzymes for **vegetable-oil** *extraction.* A preliminary report. 022818
Fertilising standards for potting composts based on the 1 : 1 1/2 **volume** *extraction* method of soil testing. 030397
A simple solar **wax** *extractor* [Apicultural equipment]. 029764

EXTRACTS
The study of the aqueous extract of Pueraria [kudzu] radix. I. The preparation and the components of the **active** *extract.* 026983
The study of the aqueous extract of Puerariae [kudzu] radix. II. The biological difference between the **active** *extract* (MTF-101) and acetylcholine. 026984
The study of the **aqueous** *extract* of Pueraria [kudzu] radix. I. The preparation and the components of the active extract. 026983
The study of the **aqueous** *extract* of Puerariae [kudzu] radix. II. The biological difference between the active extract (MTF-101) and acetylcholine. 026984

Fate of pyruvate, formed nonphosphorolytically from gluconate by *extracts* of **Aspergillus** niger [Fungi]. 026867
Calf **blood** *extract* in treatment of equine foot lesions. 024982
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol oxidase **enzyme** *extracts* from citrus leaves [Lemon disease]. 028320
Application of freeze drying for preparation of dehydrated powders from liquid **food** *extracts.* 022442
Kelp *extract* as fertiliser. 2. Effect on chemical composition and element uptake of white clover. 030504
In vitro synthesis of cytokinins in isolated roots of lupine (Lupinus albus L.) treated with **leaf** *extracts.* 026918
Biphasic effect of *extracts* of **Lithospermum** ruderale on theuptake of 32P [phosphorus istope] by testes and thyroids ofcockerels. 024943
Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid fish **meal** *extracts.* 022521
Screening of indigenous plants for anthelmintic action against human Ascaris lumbricoides. II. [**Plant** *extracts].* 026610
Structural determination of C-glycosylflavones [in **plant** *extracts]* by mass spectrometry of their permethyl ethers. 026764
Propagation of Scots pine [Pinus sylvestris] by cuttings [with an *extract* from **Populus** tremula and Populus tremuloides]. 025238
Diuretic effect of an *extract* from the **roots** of Phytolacca dodecandra l'Herit in the rat. 023273
The occurrence of blood group H-like activity in **seed** *extracts* of higher plants. 026649
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding **soluble** *extracts* [Bulls, sheep]. 025004
Precipitation reactions between components of plant **tissue** *extracts* [Jackbeans, kidney beans, pigeon peas]. 027123

EXTRAVASCULAR *see* VASUCLAR

EXTREMITIES

Cases of congenital deformation of the *extremities* in **Sychevka** calves [Heredity]. 024259

EXTRUSION

Extrusion of **soy** protein and texture measurement. 022847
Extruded **soybeans** for growing-finishing swine. 023892

EXUDATES

Flavonoid and ceroptin pigments from **frond** *exudates* of Pityrogramma triangularis. 026735
Effect of polyphosphates on low quality (PSE) [pale, soft, *exudative]* **hams** during processing. 021909
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE [pale, soft, *exudative]* **porcine** muscle [Swine]. 022684
Chemical, palatability and cooking characteristics of normal and low quality [pale, soft, *exudative]* **pork** loins as affected by freezer storage. 022674
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of pits yielding pale, **soft** *exudative* meat. 021840
Recent tendency in research on PSE [pale **soft** *exudative]* porcine muscle. 022691

EYES

The role of the principal and **accessory** *eyes* in the photomenotactic orientation of the funnel spider Agelena labyrinthica (Cl.). 029513
Effects of selenium, chromium and antioxidants on growth, *eye* **cataracts,** plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Endogenous rhythm of nerve activity in the **housefly** *eye* [Musca domestica]. 029457
An *eye* **infection** in laboratory mice associated with Pasteurella pneumotropica. 024636
Comparative macro-anatomic and subgros investigations on the *eyes* of the **native** buffalo (Bos bubalis) and the ox (Bos taurus) [Eyelids]. 023525
Distribution of mitoses and 3H [hydrogen]-thymidine incorporation in **proliferating** *eye* discs of Ephestia kuehniella Zeller. 029506
Comparative macro-anatomic and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the ox (Bos **taurus)** *[Eyelids].* 023525

EYESPOTS

Eyespot (**Cercosporella** herpotrichoides Fron) in concentrated cereal growing as influenced by several cultural and cropping factors. 027907
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, *eyespot* **ofsugarcane.** 027970

EYEWORMS

Occurrence of the *eyeworm,* **Thelazia** lacrymalis, in horses in Kentucky. 024610
Two *eyeworms,* Thelazia gulosa and Thelazia skrjabini, in cattle in Kentucky. 024611

FABRICIUS

Bioassay of nuclear polyhedrosis virus against larval stages of Spodoptera **litura** *(Fabricius)* and the effect of protectants against ultraviolet light. 028674
A study of variability and size allometry during postembryonal development of Notonecta **maculata** *Fabricius* (Insecta, Heteroptera). 029236
The trans-stadial transmission of the bovine farcy organism, Nocardia farcinica, by the ixodid Amblyomma **variegatum** *(Fabricius,* 1794). 024743

FABRICS

A comparison of phosphate and non-phosphate detergents in the laundering of men's **shirting** *fabrics.* 022227

FACTORIES

Certain problems of dust removal from tobacco [in **fermentation** *factories].* 022832
Effect of air pollution by copper, sulphuric acid and **fertilizer** *factories* on plants at Harjavalta, West. Finland. 028330
Rational utilization of tobacco raw material [in a **processing** *factory].* 022833
Odessa sugar **refining** *factory* obtains new records [Five-Year Plan]. 021801
Analysis of work of the **sugar** *factories* of the Latvian SSR in the processing of raw cane sugar in 1974 [Productive capacity]. 021800
Removal of sugar for storage and its processing at the Mironovka **sugar** *factory* in the 1972/73 production season. 022824
Improvement of beet quality in the region of the Tulln **sugar** *factory* (Austria) [Fertilization]. 030579
The BMA Zsigmond Gryllus method, a new method of deliming thin [sugar] juice. 2. Half-industrial and *factory* **tests.** 022853

FAGUS

Auxometric investigations on beech groves of the Gargano *[Fagus,* **forest** mensuration]. 025102
Environmental influences on the nutrient cycle of a beech *[Fagus]* **forest** on acid soil. 027316
The dynamics of Hueston Woods and a review of the question of the successional status of the southern beech-maple forest *[Fagus* **grandifolia,** Acer saccharum]. 025889
The leaf anatomy of beech, *Fagus* **grandifolia.** 025985
The leaf anatomy of beech, *Fagus* **grandifolia.** 025986
Branch grading indexes after size in pedunculate oak, sesile oak and beech stands [**Quercus,** *Fagus].* 025161
Flowering, pollination, pollen collection and pollen germination in *Fagus* and **Quercus** species. 027342
Studies in leaf litter breakdown. III. The influence of leaf age [Quercus **robur,** *Fagus].* 030276
Thinning in a maple [Acer]-beech *[Fagus]* **stand** in view of producing yellow birch [Betula alleghaniensis] wood. 025223
Growth of the understorey and beech *[Fagus]* **stands** of a young age. 025119
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on shrinkage property of beech *[Fagus* **sylvatica]** wood. 025427
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on drying property of beech wood *[Fagus* **sylvatica].** 025428
The pulping of woods with barks. I. The cleaning of mixed stock, wood and bark pulp from beech *[Fagus]* **wood,** by the use of the 600 Bauer centri-cleaner. 025274

FAIRS

Information gain in Kisan Mela [**Farmers'** *fair].* 021111

FALL

Fall **color** from coast to coast [Trees and shrubs]. 027683
A night **flowering** *fall* Narcissus. Bulb formation and flowering ecology of Narcissus viridiflorus Schousboe. 027142
Report on management during *fall* 1975 by the **Fruit** Experimental Group. 027798
An analysis of accumulation and decomposition of **litter** *fall* in hill evergreen forest Doi-Pui Chiengmai. 030327
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last *fall* on some **metabolic** changes taking place in the fruit during cell division. 027298
Safe chain saw operation requires knowledge of accident causative factors **[Timber** *falling].* 025456
Distribution of viruses of the *fall* **webworm** [Hyphantria cunea] in soil. 028652

FALLOWING

Fallow **areas** from the viewpoint of agricultural structure. 021191
Effectiveness of seeded fallow and **bare** *fallow* in the southcentral forest-steppe region of the Ukraine. 027558
Sedation and restraint of *fallow* **deer** with Diazepam. 024304
Possibilities of utilization and care of *fallow* **land.** 021192
Fallow **land** areas from the viewpoint of ecology and landscape development. 025899
275000 hectars of farm land **lying** *fallow* in the Federal German Republic [Land utilization]. 021225
Soil-moisture studies in *fallow-barley* **rotation** under mulches, antitranspirant and type of seed bed. 027425
Effectiveness of **seeded** *fallow* and bare fallow in the southcentral forest-steppe region of the Ukraine. 027558
New method of tillage of *fallow* **soil** planted to spring wheat [Soil management, wheat yields]. 030629

FANNIA

Compatibility of insecticides and a disinfectant [Stomoxys calcitrans, Musca domestica, *Fannia* **canicularis,** control]. 029024

FANS

Comparative measurements of *fan* and **pad** cooling and plant wetting [Greenhouses]. 029871
Effect of network voltage change on regulation of *fan* **revolutions** by means of changed voltage [in stables]. 029893
Airflow and temperature distribution in greenhouses with *fan* **ventilation.** 029869

FARMERS

From city to farm: urban wastes and the **American** *farmer* [Fertilizers utilization, history]. 030413
City *farmers* [4-H clubs]. 021093
Appraisals of the Association of **Colombian** *Farmers* in relation to the 6th law of 1975, which prescribes norms for share farming and other kinds of land exploitation. 021795
Feed **control** for the *farmer.* 023076
Benchmarks show pioneering aspects of *farmer* **cooperatives** [History]. 021301
The inputs required to **enable** *farmers* to realize the opportunities of the 1980's. 021181
Farmers' **expenditures** for custom pesticide services, 1971. 021361
Information gain in Kisan Mela *[Farmers'* **fair].** 021111
Land utilization and importance of plot **filing** by *farmers.* 021226
The calcium, magnesium and micronutrient contents of agricultural liming materials available to **Georgia** *farmers.* 030462
Achievement motivation, socio-economic status [of *farmers]* and the **green** revolution. 021758
What audit means to the Dickson County, Tennessee, County Supervisor, *Farmers* **Home** Administration. 021322
Emergency livestock "line of credit" guarantees *[Farmers* **Home** Administration, rural loans. 021421
Farmers **Home** Administration credit for American Indians. 021422
Farmers and the **immigration** act of 1924. 021684
FAR-MAR-CO *[farmers* **marketing** cooperative] implementing producer wheat marketing system. 021602
Break off from the old traditional [agriculture] and become **modern** *farmer.* 021088
Farmer's **movement** in the latter half of the 19th century in U.s.a. 2. 021136
Impact of national demonstration on knowledge and adoption level of *farmers* **participants.** 021110
A study of socioeconomic and personal traits of *farmer* **patrons** of a dairy project. 021098
Estate **planning** for *farmers.* 021298
Financing small **poultry** *farmers.* 021397
Farmers' **response** to Small Farm (Incentive Bonus) Scheme [Income]. 021388
The "Rural Future", a half century of service to *farmers* **[Rural** organizations]. 021265
Internal commercialization of cocoa, an operational system of central cooperation of *farmers* in the **south** of Bahia. 021475
Record of the transactions of the 43rd delegate assembly of the **Swiss** *Farmers'* Union on December 17, 1974 in Kursaal Bern. 021133
Communication pattern of *farmers:* a **systemic** analysis. 021105
Application of Lynton-Pareek model in *farmers'* **training.** 021104
Responsibilities of **truck** *farmers* [Vegetables, culture]. 027787
Farmer, **worker** and city dweller: social change in a Dutch village. 021155

FARMLANDS

How *farmland* prices have recovered [England]. 021185

FARMS

Guide for *farm* **administration** and planning [Latin America]. 021315
Centers for improving product qualities of *farm* **animals.** 022693
The concept of spatial leadership in *farm* **animals:** an experiment with sheep. 023236
Electrophoretic variation of red cell enzyme systems in *farm* **animals.** 023237
Mathematical bases for analysing the growth of *farm* **animals.** 023269
On etiology of abortions in *farm* **animals.** 024385
Antigenic cross reactions between immunoglobulins of some *farm* **animals** and man. 024555
Antigenic cross-reactions between immunoglobulins of some *farm* **animals** and man. 024556
Recent developments in the handling and weighing of *farm* **animals** [Swine, equipment]. 030088
The system of paying a 50% additional payment for raw cotton sold to the state by collective, state and other types of *farms* above the **annual** fixed plan. 021404
High level of *farming* as a **basis** for plant protection. 028471
Why I expanded into **beef** *farming.* 021261
The **big** *farm:* abundance and scale in American agriculture. 021241
Studies on the small size of grain dryer and storage **bin** for the *farm.* 030117

Development program **boosts** *farm* output in south Italy. 021723
Experiments with scientific control of plant feeding on a Tachov **branch** *farm* [Mineral fertilizers, field crop yields]. 030547
Research on the pregnancy of cows in the Harasi **Breeding** *Farm*. 024112
Improvement of Black Pied cattle at the **breeding** *farm* Krasnaia Zvezda. 024266
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of litter infected with Listeria from a **briler** *farm*. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Survey of drug resistance of chicken coccidia [Eimeria] collected from Japanese **broiler** *farms* in 1973. 024633
Application of programming models to specialised **bulb-growing** *farms* [Costs and returns, Netherlands]. 021355
Radicals on the *farm* in **California**. 021076
Catfish *farming*. 023111
Methodological problems in cost calculation in **cattle** *farming* [Argentina]. 021364
Development of the dairy **cattle** *farming* in the north Rhine area. 023107
Farm **certification** and approach to farm odour problems in Ontario. 030918
Technology of **clearing** *farm* land reclaimed from brush in the Estonian SSR. 030610
Sector principle of management in **collective** *farms*. 021288
Peasant economy and **collective** *farming* according to the opinion of J. Tepicht. 021323
Efficiency of productive resources of **collective** *farms*. 021339
Conditions of return on investment [in **collective** *farms]*. 021400
Correct calculation of the effectiveness of fixed capital [in **collective** *farms* of the subtropical zone]. 021442
Problems of profitability of [other production] sectors and crops in tea-growing **collective** *farms*. 021443
The analysis of net income and profitability in **collective** *farms*. 021444
Agrochemical servicing of **collective** *farms* and state farms of Belorussia [Fertilizers]. 030499
Identification of **common** *farm* grasses. 2. Identification bytheir shoots and leaves. 025579
Inclusion of the information system for *farms* into the **concepts** of the system theory. 021072
Field crops costs and returns from *farm* **cost** accounts. 37 farms, 1974. 021351
Fruit and vegetable crops costs and returns from *farm* **cost** accounts. 37 farms, 1974. 021352
Livestock costs and returns from *farm* **cost** accounts. 37 farms, 1974. 021353
Overhead costs from *farm* **cost** accounts. 37 farms, 1974. 021354
Custom *farm* services in the United States: status and potentials [Statistics]. 021665
Sterotyped system of land utilization for the grassland-type **dairy** *farming* management. 021304
Results of modern two and three man **dairy** *farms*. 021316
Cash flow on the **dairy** *farm* [Finances]. 021367
1974 **dairy** *farm* business summary. 021375
Income tax considerations for 1975 [**Dairy** *farming]*. 021378
Financing proposals for the future [New Zealand **Dairy** *Farm* system]. 021379
Exploring ways and means to reduce the cost of production ofmilk to encourage **dairy** *farming*. 021396
Measures for maintaining fertility on top-performance [**dairy**] *farms*. 024036
Proper drainage is essential [**Dairy** *farms]*. 030647
Study of contamination and purification of waste waters from **dairy** *farms* and milk processing enterprises. 030960
An outbreak of Salmonella typhimurium infection in a *farm* of **dairy-breed** male calves. 024483
The FS 60 **Diadem** *farm* manure spreader. 030044
Economic feasibility of early retirement and **disinvestment** in *farming*. 021328
Data for assessment of achievements of **district** *farms* for agricultural engineering [Management, East Germany]. 021238
Carbohydrate nutritive value of several feeds on *farms* of the **Dnieper-right-bank** forest-steppe region of the Ukraine. 023941
Isolation, characterization and public health aspects of Vibrio cholerae NAG [Non Agglutinable] isolated from a Danish **duck** *farm*. 024458
Government programs for the *farming* **economy** in the Great Plains. 021734
Tenancy and relative economic **efficiency** *[Farming]*. 021245
Up to date organization of *farm* **enterprises**. 021273
Modernization of the agrochemical servicing of *farm* **enterprises** [in Hungary]. 021296
Velocity reducer and amplifier [Energy source for *farm* **equipment**]. 029949
Maintenance of *farm* **equipment**. 030008
Results of the first step in establishing beef cattle on the Polivanovka **Experimental** *Farm*. 024247
Knowledge gained at the liquid manure **experimental** *farm* of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on dairy cattle]. 030423
Field crops costs and returns from farm cost accounts. 37 *farms*, 1974. 021351
Fruit and vegetable crops costs and returns from farm cost accounts. 37 *farms*, 1974. 021352
Livestock costs and returns from farm cost accounts. 37 *farms*, 1974. 021353
Overhead costs from farm cost accounts. 37 *farms*, 1974. 021354
DM3, the complex of the new rules regulating the composition and sale of *farm* **feeds** [Legislation]. 021798
Shares instead of cattle? *[Farm* **finance**]. 021386
Value of public land to the *ranch* **forage** system [Range management]. 027488
State and prospects of **fur** *farming* with the Siberian sable [USSR]. 023108
What form is better? [Labor management in cotton **growing** *farms]*. 021290
The [economic] basis for an optimum machinery set up [on cotton **growing** *farms]*. 021405
Recommendation that *farms* use only **healthy** planting stock [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, Krasnodar Territory]. 028914
Physiological bases of dairy cattle feeding on *farms* with **high** fertilizer application and intensity of feed utilization. 023703
Rotavator in *farming* for **high** performance [Equipment]. 030075
A current problem—the reconstruction of *intra-farm* **hydro-reclamation** systems. 030672
Effect of water quality and irrigation frequency on *farm* **income** in the Imperial Valley. 021373
Effect of energy and fertilizer price **increase** on *farms*. 021409
An analysis of factors **influencing** *farm* expansion and survival in south central Georgia. 021327
Integrated *farm* forestry. 025054
A note on the relative efficiency of various **intensive** *farming* systems for small holders. 021268
Internal *farm* cost accounting in vegetable growing. 021283
Characteristics of **irrigated** *farms* in southern Alberta. 021256
Effectiveness of "Unnat **Krishi**" *farm* magazine as related to different categories of readers. 021108
1972 survey on the trends of *farm* **labor** in Japan. 021324
Factora affecting the conversion of *farm* **land** to non-agricultural uses [in Japan]. 021211
275000 hectars of *farm* **land** lying fallow in the Federal German Republic [Land utilization]. 021225
New **land** *farms* in Western Australia. 021231
Effects of liquid manure management on the labor and economics of grassland and arable **land** *farms* [West Germany, Austria]. 030422
Utilization of manure on **large** *farms* and complexes [Composition, pollution]. 030577
Starting points of political formation of plans of *farming* in the **late** Middle Ages in Swabia, Franconia and Bavaria. 021157
Cold circulation cleaning of milking equipment is successful at *farm* **level**. 030061
Disinfection, an efficient solution to avoid disease and contaminations on **[livestock]** *farms*. 024699
Activities of the *Farm* **Machinery** Research Institute in 1974 [Hungary]. 030091
Leasing or intensification? *[Farm* **management**]. 021207
Stochastic-computerized-activity-budgeting for sheep enterprises *[Farm* **management**]. 021249
Aspects of herd wastage in New Zealand dairy herds *[Farm* **management**]. 021259
Considering plant protection in *farm* **management**. 021263
Comparison of work done in the air and on the ground *[Farm* **management**, agrotechnology]. 021267
Arrangement of a plan of agriculture production in the district *[Farm* **management**]. 021293
Toward a definition of *[farm]* **management** process. 021331
Farm **milk** cooling and milk collection. Report transmitted by the government of Finland. 022557
Estimation of industry labor income multipliers for county groupings in **Missouri** *[Farming]*. 021436
Possible designs of **modern** *farms* for cattle breeding [Buildings]. 029898
The C 40 **moving** *farm* container [Manure spreaders]. 030039
Farm certification and approach to *farm* **odour** problems in Ontario. 030918
Open-ocean *farming* of kelp for conversion to animal and human foods [Algae]. 022434
Energy facts & figures [for *farm* **operations**]. 030864
Part-time *farming*. 021269
Taxes levied on *farm* **personal** property, 1960-72. 021362
Economics of tree production on *farms* in the Great **Plains**. 025096
Programming for efficient *[farm]* **planning** against non-normal risk. 021248
NUBES [Nottingham University Beef Enterprise Simulator] on the *farm* **[Planning**, control]. 021250
Comparison of various *farm* **plans** [Costs and returns]. 021381
Farm **population** estimates for 1974. 021074
Poultry *farming* in the Philippines: general view. 023142
Isolation of Mycoplasma species from squirrels (Ratufa indica) [from the vicinity of **poultry** *farms]*. 024565
Weather and *farm* **prices**. 021600
The booming Iraqi market for U.S. *Farm* **products**. 021500
Egypt looks to Western world for more *farm* **products** [Imports]. 021532
Lime and fertilisers are essential for **progress** in *farming*. 030448
An alternative to the *farm* **property** tax in Georgia. 021435
Lake Wister: impact on recreational [and *farm]* use from **raising** the conservation pool elevation. 030630
Adoption pattern of **recommended** *farm* parctices in Gujarat. 021278
Record *farm* product exports to European Community in 1974. 021499
Potentialities of fur [animal] *farming* on **reservoirs**. 023168
Ways of increasing the efficiency of primary funds on **rice-growing** *farms*. 021453
The 650 and 850 **Rotina** *farm* manure spreader. 030055
Behaviour of hill country sheep breeds during *farming* **routines**. 024177
Most frightening of *farm* **scourges**: foot-and-mouth disease. 024502
Contribution of **share** *farming* to social peace in the country [Legislation, land reforms, economic aspects, Colombia]. 021218
Appraisals of the Association of Colombian Farmers in relation to the 6th law of 1975, which prescribes norms for **share** *farming* and other kinds of land exploitation. 021795
New **share** *farming* law [Colombia]. 021797
Project of new mechanized **sheep** *farm* for western Siberia. 030168
The place of livestock in **small** *farm* development; an Indianexample. 021345
Farmers' response to **Small** *Farm* (Incentive Bonus) Scheme [Income]. 021388
Legislation to revive **small** *farming* in England 1887-1914. 021685
Effectiveness of rearing pregnant heifers on **specialized** *farms* [Costs]. 021456
Calf [supply] replenishment of *farms* **specializing** in intensive beef production. 021347
Problems and development of new products by **State** *Farm* complexes [East Germany]. 021239
Consolidation of the organization and *farming* of **state** farms (1957-1959). 021240
Organizational and economic activities of **state** *farms* on newly developed lands [in Uzbek SSR]. 021286
Production and technical basis of a new type **[State** *farm* management]. 021287
Means of increasing the efficiency of tobacco production in the **state** *farms* in Azerbaijan. 021333
Rational amount of fixed production capital [in collective and **state** *farms]*. 021403
Breeding of Hereford herd on the Sonskii **state** *farm*. 024258
Increasing the productivity of dairy cattle on a **state** *farm* [Artificial insemination]. 024267
Effects of the forest tree shelterbelts on the microclimate and agricultural production of the Bala **State** *Farm*. 025061
Organization of technological processes of plant protection on collective and **state** *farms*. 028473
The experience of operating cotton harvesting machines working at various height in the Pakhtaaral **state** *farm* [Kazakh SSR]. 030071
Agrochemical servicing of collective farms and **state** *farms* of Belorussia [Fertilizers]. 030499
A regional summary of United **States** *farming* [Statistics]. 021658
Potato **storage** on the *farm*. 022897
Quality of production and economic **structure** of *farms*. 021348
Virus yellows control accessible to every *farm* **[Sugarbeets]**. 028289
A question of training **[Swine** *farm* management]. 021309
Buying management aids **[Swine** *farms]*. 021310
Interpreting your own results **[Swine** *farm* management]. 021311
Sorting out producers' problems **[Swine** *farm* management]. 021312
Specialization and progressive technology, the basis for high profitability of pork production **[Swine** *farms]*. 021349
Cooperative dividens are low **[Swine** *farms]*. 021424
Research on the locality of **swine** *farm:* transportation factors in swine rearing on areas far from the market. 021470
Field testing, an essential aid for the modern **swine** *farm*. 023118
Study on transition of *farm-land* **system** at Amami-Oshima. 021165
Facial eczema on a **Taranaki** *farm* [Dairy cattle, sheep]. 024505
Content analysis of *farm* **telecast** and viewer's information need. 021107
Yield potential of soybean as related to soil compaction induced by *farm* **traffic**. 030178
Team-up, pitch-in and speak-out for **tree** *farming*. 025098
The American **Tree** *Farm* program. 025099
From city to *farm:* **urban** wastes and the American farmer [Fertilizers utilization, history]. 030413
Who **uses** *farm* investment programs? 021420
[Results of work of] scientists of the Scientific-Research Institute of **Vegetable** *Farming* [in breeding]. 026280
Filters with a floating charge for purifying water in *farm* **water** supplies. 030745
Insurance of accidents in *farm* **work** [Brazil]. 021437
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the *farm* **workers** in mounting and mulberry [Morus] harvesting by machine. 021254

FARROWING

When things go wrong at *farrowing* **[Swine]**. 024160

FASCIOLA

Appearance of *Fasciola* **cercariae** in rice fields determined by a metacercaria-detecting buoy [Cattle, liver fluke, transmission, snails]. 024653
Trials to induce an acquired immunity against infestation by *Fasciola* **gigantica** [Cattle]. 024644
Cyclic AMP [adenosine monophosphate] phosphodiesterase activity in *Fasciola* **hepatica** (L.) homogenates. 024407

The immune response of rats to subcutaneous implantation with *Fasciola* **hepatica.** 024481
Experimental fascioliasis in monkeys. I. Parasitological, clinical and pathological observations on monkeys infected with the "Japanese **species**" of *Fasciola.* 024629

FASCIOLIASIS

Experimental *fascioliasis* in monkeys. I. Parasitological, clinical and pathological observations on monkeys infected with the "Japanese species" of Fasciola. 024629

FASTING

Who's afraid of the long shadow of *fast* **food?** 022314
Japan's *fast-food* industry: export potential for U.S. Products. 021493
Effect of cross-reinnervation on physiological parameters and on properties of myosin and sarcoplasmic reticulum of *fast* and slow **muscles** of the rabbit. 023527
The onset and progress of transformation of avian slow into *fast* **muscles** under neural influence [Chickens]. 023612
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and *fast* **neutrons** [Integrated pest control, apple orchards]. 028836
Fast-growing **poplar** as raw material for obtaining semi-chemical pulp which is used for the production of white papers. 025516

FATIGUE

Studies of some twitch and *fatigue* **properties** of different motor unit types in the ankle muscles of the adult cat. 023188
The postnatal development of some twitch and *fatigue* **properties** of single motor units in the ankle muscles of the kitten. 023192

FATS

A process for the purification of *lutein-fatty* **acid** esters from marigold petals [Food colorants]. 022495
Relationships between *fatty* **acid** composition of lamb fat and dietary ingredients. 022670
Some aspects of *fatty* **acid** oxidation in isolated fat-cell mitochondria from rat. 023287
In vivo studies of the site of *fatty* **acid** synthesis in the rabbit. 023448
Fatty **acid** composition of adipose tissue of Jersey cattle during growth and development. 023452
Utilization of lutein and *lutein-fatty* **acid** esters by laying hens. 023526
Changes in *fatty* **acid** and triglyceride compositions of porcine tissue lipids associated with growth of pigs. 023572
Fatty **acid** composition in growing lambs. 023631
Cholesterol content and *fatty* **acid** composition in egg yolks and blood plasma of poultry [Dietary effects]. 023717
The effect of dietary fatty acids on *fatty* **acid** distribution of lipids in neck adipose pads and superficial pectoral muscle of chicks. 023783
Fatty **acid** composition of lipids common to aquatic Hyphomycetes [Fungi] in conditions of artificial culture. 026674
The *fatty* **acid** composition of fern lipids. 026767
Amino acid and *fatty* **acid** composition of chlorophyll-deficient mutants in peanuts Arachis hypogaea L. 026999
Study of *fatty* **acid** transfers between liposomes and isolated mitochondria of cauliflowers. 027236
Effect of age upon *fatty* **acid** composition of adult caribbean fruit flies, Anastrepha suspensa. 029330
Comprehensive evaluation of *fatty* **acids** in foods, part 3, eggs and egg products. 022120
Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, vitamin E, and *fatty* **acids** [Gerbils, rats]. 022133
Effect of diet on *fatty* **acids** in the lipoprotein cholesteryl esters of type IIa and normal individuals. 022150
Quantitative, multicomponent analysis of *fatty* **acids** from cholesteryl esters by chemical ionization reconstructed mass chromatography. [Human atherosclerosis]. 022154
Distribution of *fatty* **acids** in triglycerides from Corylus avellana L. oil seeds. 022978
Elongation of *fatty* **acids** by mocrosomal fractions from the brain of the developing rat. 023276
The metabolism of lipids in mouse pancreatic islets. The oxidation of *fatty* **acids** and ketone bodies. 023292
Regulation of hepatic gluconeogenesis in the guinea pig by *fatty* **acids** and ammonia. 023487
Nonequilibration of acetyl units from *fatty* **acids** and glucose in mammary glands of lactating mice. 023511
The effect of dietary margaric acid on the retention of several *fatty* **acids** in chicks. 023782
Determination of neutral substances in tall products [Oils, *fatty* **acids,** colophony]. 025304
On the causes of coloration of fractions of *fatty* **acids** in tall oil rectification. 025403
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the *fatty* **acids** of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
Biochemistry of development in insects [Ceratitis capitata]. Stereospecific incorporation of *fatty* **acids** into triacylglycerols. 029348
Biochemistry of development in insects [Ceratitis capitata]. Incorporation of *fatty* **acids** into different lipid classes. 029349
Marketing of **animal** *fats.* 021512
European Community's use of vegetable oils gaining over **animal** *fats* [Consumption]. 021533
Interesterification and hydrogenation of **animal** *fats.* 022651
Refining of **animal** *fats.* 022653
Use of oats and **animal** *fat* in swine rations. 023903
In vivo modification of milk fat and **body** *fat* composition in ruminants; a review. 023588
Bibliographic guide to oils and *fats* and their **by-products.** XLIX. 022539
Effects of glucocorticoid administration on the deposition of *fat* in the **cardiac** lipids of rats fed rapeseed oil. 022181
Fat metabolism in higher plants: metabolism of medium **chain** *fatty* acids [Avocados]. 027214
Coconut *fat* in the diet [Atherosclerosis]. 022207
Temperature-sensitive mutants of the yeast [Saccharomyces cerevisiae] *fatty-acid-synthetase* **complex.** 026555
Some things worth knowing about *fat* **components** [Feeds]. 023027
Determination of the *fat* **content** of milk by means of the photometric methods. II. Infrared method. 022637
Production of **crude** *fats* from slaughter animals and its technical significance in the production of meat products. 022652
Ratio between precocious maturation and *fat* **deposit** in Ukrainian White Steppe swine breed. 023673
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on *fat* **deposition** in the carcass. 023715
Modifications of platelet functions by **dietary** *fats.* 021990
Performance of individually fed bulls and steers **[Dietary** *fat].* 023636
The effect of **dietary** *fatty* acids on fatty acid distribution of lipids in neck adipose pads and superficial pectoral muscle of chicks. 023783
Metabolic studies on the development of **ethanol-induced** *fatty* liver in KK-Ay mice. 022139
Seasonal changes in **foliar** *fatty* acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Experimental research to define the method of determination of the global migration of plastic and rubbers in *fatty* **foods.** II. 022531
Use of gas chromatography in the study of milk and milk products with special regard to proof of **foreign** *fats.* 022607
Furanoid *fatty* acids from fish lipids. 022516
Catalytic processes in the field of **industrial** *fatty* acid products. I. 022427
Variations in the amount, distribution and texture of **intramuscular** *fat* within muscles of the beef carcass. 022671
Some aspects of fatty acid oxidation in **isolated** *fat-cell* mitochondria from rat. 023287
Relationships between fatty acid composition of **lamb** *fat* and dietary ingredients. 022670
Effect of energy level of the ration on *fatty* **liver** in cage layer hens. 023773
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the *fatty* **liver** and kidney syndrome in broilers [Chickens]. 024829
The effect of castration on weight gain and carcass quality in **male** *fat-tail* sheep. 024290
Lipophilic gel chromatography for isolating sterines and squalenes from unsaponifiable **matter** of *fats.* 022422
Rapid determination of *fat* in **meat** and meat products by Foss-let solvent extraction and density measurement. 022673
Fat **metabolism** in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a complex lipid mixture [Potatoes]. 027114
Fat **metabolism** in higher plants: metabolism of medium chain fatty acids [Avocados]. 027214
"Half-fat" **milk** tested for the first time in the 1975 German Agricultural Association butter testing. 021867
In vivo modification of **milk** *fat* and body fat composition in ruminants; a review. 023588
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and **normal-chain** *fatty* acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Thermal reaction of safflower **oil** *fatty* acid methyl esters in the presence of iodine: identification of reaction products. 022813
Modest recovery seen in '76 for U.S. *Fats* and **oils** exports. 021546
Human pesticide poisonings by a *fat-soluble* **organophosphate** insecticide. 029081
World trade in oilseeds, oils and *fats:* past and **prospects.** 021490
Determination of the *fat,* **protein** and lactose content of 10day preserved milk samples by means of the infrared milk analyzer (IRMA). 022636
Relationship between carbohydrate-, *fat-and* **protein** metabolism [Livestock feeding]. 023797
Short-chain *fatty* acid synthases in brain. Subcellular localization and changes during development [Rats]. 023286
Fat **source** and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818
Use of full *fat* **soybean** in broiler and pullet developer diets. 023845
Rapid determination of the *fatty* **substances** in cheeses. 022585
Studies on *fat-soluble* **substances** of laver (Susabinori, Porphyra yezoensis) [Algae]. I. Identification of sulfolipid. 026353
Study of the **tall** *fatty* acids as a raw material for the synthesis of plasticizers-stabilizers [Epoxidized ethers]. 025335
The improvement of the quality of **tall** *fatty* acids and colophony in operating installations [Wood pulp and paper mills]. 025344
Effectiveness of various **unsaturated** *fatty* acids in supporting growth and respiration in Saccharomyces cerevisiae [Yeasts]. 026627
Requirements for **unsaturated** *fatty* acids for the induction of respiration in Saccharomyces cerevisiae [Yeasts]. 026630
Digestibility and **volatile** *fatty* acids in steers and wethers at 21 and 32 Celsius ambient temperature. 023506
Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and molar proportion of **volatile** *fatty* acids, and dry matter digestibility. 023781
Chewing time and **volatile** *fatty* acid production in steers [Feed roughage]. 023856
The **world** *fats* and oils situation. Statistics and problems. 021775

FATTENING

The quality of silo maize is considered in **bull** *fattening.* 023025
It is valuable to mobilize reserves in *fattening* **bulls.** 023935
Consequences of disturbance of endogenous metabolism of urea in *fattened* **bulls.** 024920
Unknown growth factors in milk replacer feeds for *fattening* **calves.** 023734
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and Charolais breeds and their crossings. II. *Fattening* and **carcass** performances in males. 024013
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and *fattening* of **castrated** male pigs. 023872
Zootechnical and physiological evaluation of *fattening* **cattle** on platforms [Body heat losses]. 023682
Trials of Zebu **cattle** *fattening* based on rice polish in north Cameroon. 023791
Cattle *fattening* in conditions of large scale production technology. 023793
The Fort Reno beef research program *[Fattening* **cattle].** 023909
Fattening **cattle** in confinement. 023915
Epiphysitis in beef **cattle** *fattened* on slatted floors [Lameness]. 024914
Area housing for young and *fattening* **cattle.** 029918
Slatted floor bays for young and *fattening* **cattle.** 029927
Effect of the rearing in mountainous regions on the productivity of beef cattle. III. Results of the *fattening* **experiments.** 023780
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and calf starter to early weaning and suckling calves for **growing** and *fattening.* 023881
Fattening **lambs.** 023869
Relationship between leg troubles and movement defects and *fattening* **performance,** carcass yield and retention capacity [Swine]. 024815
Dry or fluid feed, alternatives for *fattening* **swine** barns. 023732
Effective utilization of feed beans in rations of *fattened* **swine.** 023795
Fattening **swine** houses with grili floors. 029894
Four diffeent planning examples of barns for *fattening* **swine.** 029920
Full ration feed mixtures with different nutritive value in *fattening* **young** Italian White geese. 023808
Beef production, *fattening* **young** cattle. Energy supplementation of diets with a maize silage base. 023911

FAUNA

Concerning the *fauna* of **bird** lice parasitizing snipes of southern Turkmenistan [New taxa]. 029600
On the *fauna* of **bird** lice (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. 029602
Faunal **characterization** of cotton fields agrogeobios in the Murgab oasis [Arthropa, including pests]. 029601
Faunistics and **daily** periodicity of some insect species in northern Sweden (Tipulidae, Typhlocybidae and Geometridae). 029342
The early Middle Age **domestic** *fauna* in Schiers (Graubunden) [Includes livestock]. 023671
Study of the Paris region **entomological** *fauna* in apple treeorchards with the aid of colored traps. 028822
On **helminth** *fauna* of horses in Turkmenistan. 024579
Concerning the *fauna* and **occurrence** of coccidia [of Eimeriaspp.] in sheep in Turkmenistan. 024578
Parasitoids associated with lepidopterous pests on peanuts; **Oklahoma** *fauna* [Natural control agents]. 028736
Soil [invertebrates] *fauna* of **orchards** and vineyards in relation to soil cover. 030228
Decomposition of organic materials and **soil** *fauna* in pasture. 2. Disappearance of cow dung. 030271
New and interesting mites from the Geneva Museum. XV. Contribution to the **Tarsonemidae** *fauna* from South India (Acari) [New taxa]. 029677
Revision of the stonefly family Nemouridae (Plecoptera): a study of the **world** *fauna* at the generic level [New taxa]. 029699

FEATHERS

Some factors influencing the *feather-skin* **connection** [Poultry]. 023340
Feather-forming and **hair-forming** of dermal cells from glabrous skin of birds and mammals [Chick, quail and mouse embryos]. 023351
Studies on the solubilization of keratin. VI. The solubilization of [chicken] *feather* **keratin** by oxidation with performic acid. 022731
Amino acid composition of keratins of chimeric **neoptile** *feathers* resulting from heterospecific ecto-mesodermal recombinations between the chick and the duck. 023348

FEBRILE *see* FEVER

FECES

Activity of *faecal* **fluid** of a leaf-cutting ant [Atta colombica tonsipes] toward plant cell wall polysaccharides. 029404
Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in *feces* by **immunofluorescence** and immune relectron microscopy. 024477
Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in **monkey** *fecal* samples [Human toxicology]. 029117
Effect of wheat fiber on blood lipids, *fecal* **steroid** excretion and serum iron [in human nutrition]. 021999
Lysozymelike lytic enzyme of **Streptococcus** *faecalis* and itsrole in the larval development of wax moth, Galleria mellonella. 029426
Solution of anticorrosive protection of inner walls of *fecal* **tanks.** 029896

FEED

Economics of producing nutrients from cellulose [Food or *feed* **additives**]. 022430
Potential for feed production in other parts of the world and implications for **American** *feed* manufacturers. 023059
Laboratory control of **animal** *feeds*. 023013
Application of polarography to the determination of medicinal substances added to **animal** *feeds*. 023036
Detection of twelve mycotoxins in mixed **animal** *feedstuffs*, using a novel membrane cleanup procedure. 023044
Alternative sources of protein [**Animal** *feed*]. 023062
Determination of polybrominated biphenyl residues in dry **animal** *feeds*. 029120
Determination of **antibiotics** in *feeds*. 023050
Nutrition and **artificial** *feed* for silkworm [Bombyx mori]. 3. 029717
Problems of amino-acid **availability** [in *feeds*]. 023063
Effective utilization of *feed* **beans** in rations of fattened swine. 023795
Nutrition of *feedlot* **beef** cattle in New Zealand. 023830
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a *feedlot* [**Cattle,** manure, disposal]. 030823
The fine structure of *mast* **cells** in the normal bovine mammary gland. 023233
What do you *feed* a **city?** Nothing but the best! Changing patterns of land use in the Phoenix area. 021210
Nomenclature of enterprises for preparation of full-value pressed **combined** *feeds*. 023085
Effect of forage-to-concentrate ratio in **complete** *feeds* and feed intake on digestion of starch by dairy cows. 023766
Effects of changes in forage-concentrate ratios of **complete** *feeds* on dairy cattle. 023816
Some things worth knowing about fat **components** *[Feeds]*. 023027
Problems in the allotment of **concentrated** *feeds* on milking platforms. 023962
Will it pay to *feed* **concentrates** to overwintering beef cattle? [Returns]. 021390
Feed **concentrates** for cattle with high performance. 023733
Feed **consumption** and feeding performance as exemplified by the herd of cows of the Liquid Fertilizer Experimental Station [Austria]. 023702
A suspected outbreak of aflatoxicosis [Aspergillus flavus] among goats in Sri Lanka [**Contaminated** *feed*]. 024948
Mycotoxicosis in cows caused by toxins of Aspergillus flavus Lk. [Wheat, *feed,* **contamination**]. 025005
Survey and culture of the fungal **contaminations** of some *feedstuffs*. 023075
Biotin **content** of *feedstuffs*. 023040
A spectrofluorimetric assay of the tryptophan **content** of *feedstuffs*. 023048
Studies om inorganic matters in *feedstuffs*. II. **Contents'** of calcium and phosphorus in home produced feedstuffs. 023068
Feed **control** for the farmer. 023076
Effects of various energy protein ratios in rations on growth and *feed* **conversion** of broilers. 023837
Linking pig prices to *feed* **costs.** 021425
Confirmation of polybrominated biphenyl residues in *feeds* and **dairy** products, using an ultraviolet irradiation-gas-liquid chromatographic technique. 021911
The importance and routine evaluation of the **digestibility** of *feeds*. 023011
Feed **drugs** and their use in practice. 024337
Animal husbandry and 1975 *feed* **economy** in the Rhineland Palatinate. 023129
Effects of soybean oil meal as the whole source of protein on rate of gain and *feed* **efficiency** of growing and finishing pigs. 023836
Feedlot **facilities** [Cattle, housing]. 029970
DM3, the complex of the new rules regulating the composition and sale of **farm** *feeds* [Legislation]. 021798
Carbohydrate nutritive value of several *feeds* on **farms** of the Dnieper-right-bank forest-steppe region of the Ukraine. 023941
True knowledge comes from experiments: [an achuievement in long term storage of **fermented** *feeds* in China]. 023008
Evaluation of *feedstuffs* in the **field** of nutrition and dietetics in Czechoslovakia in 1970-1974. 023078
Technical solutions for processing straw and other dry fodders into pelleted, partially **finished** *feeds*. 023009
Dry or **fluid** *feed*, alternatives for fattening swine barns. 023732
Gas chromatographic determination of [the antioxidant] ethoxyquin in *feed* and **food** products. II. 023042
Live weight growth and reproducibility of breeding bulls reared with **free** *feed* consumption. 023930
Studies on the mode of gas production in artificial rumen and its application to the evaluation of *feedstuffs*. VI. On the **gas** production curves obtained by using the rumen microbes of cattle fed beet pulp. 023576
Regulations concerning the highest level of harmful substances [in *feed]* in the **German** Federal Republic and the European Economic Community. 021764
A model of the *feed* **grain** sector of Canadian agriculture [Price policies]. 021477
Preparation and use of briquet and **granular** *feeds* [Cattle]. 023961
Better utilization of protein by **granulating** *feed*. 023053
Drying **green** *feed* with "homemade" heat? 023024
Improvement of substrate preparation from peat hydrolyzates [for **growing** *feed* yeasts]. 023032
Animal [cattle] **health** in a *feedlot*. 024345
Comparative efficiency of animals in the conversion of *feedstuffs* to **human** foods. 023615
Peru boosts poultry output, U.S. *Feedgrain* **imports.** 021553
A view to the calorific value of **Indian** *feeds* for poultry. 023039
Effect of forage-to-concentrate ratio in complete feeds and *feed* **intake** on digestion of starch by dairy cows. 023766
Feed **intake** and growth in New Zealand feedlots [Beef cattle]. 023828
Increase of production and improvement of quality of *feeds* in the **Latvian** SSR. 023083
On the use of enzyme preparations in **livestock** *feed* rations. 023796
Financial aspects of [beef cattle] *feedlot* **management** in New Zealand. 021428
Odor measurement for livestock feeding operations [Waste **management,** *feedlots]*. 030921
An automated total protein nitrogen **method** *[Feeds]*. 023043
Influence of shading on production of **midwest** *feedlot* cattle. 023167
Artificial rearing of lambs [Reconstituted **milk,** *feed]*. 023920
Prospects 1975-76 for flour and *feed* **mills** and macaroni industry [Consumption, outlook, statistics]. 021806
Mineral *feed* conversion and supply for high performance cows. 023798
Organization of the interfarm **mixed** *feed* industry in Khmelnik Region. 021233
Economic effectiveness of the production of granulated **mixed** *feeds* [Costs, Mongolia]. 021415
Suggestion on the modernization of **mixed** *feed* transportation. 021571
Situation of the **mixed** *feed* market and animal production. 021594
Use of **mixed** *feed* in Polish agriculture. 023785
Study of operating conditions of the screw pump [Transport of *feed* **mixes** and water. 030163
Thoughts on the **new** *feed* law. 021807
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and *feed* **nutrients** and blood metabolites [Dairy cows]. 023774
Gas chromatographic-mass spectrometric studies of ethoxyquin [an antioxidant used in *feeds]* in some **organic** solvents. I. 023041
Feed now—or **pay** later [Dairy cattle]. 023726
Agriculture or industry to *feed* **people?** [Food supply]. 021776
Factors affecting *feedlot* **performance** and carcass traits in steers. 023145
Feedlot **performance** and carcass evaluation of various two-breed cross steers fed at weaning age and as yearlings. 023906
Problems with molds and mycotoxins in **poultry** *feeds* [Mycotoxicosis]. 023060
How to economise on **poultry** *feed*. 023811
Preliminary studies on mycoflora of **poultry** *feed* and litter [Mycotoxicosis]. 024964
Use of chemical supplements for *feed* **preservation.** 023087
Dust development in granary drains *[Feed* **processing**]. 023054
The AP 45 Welger collector high pressure press *[Feed* **processing** equipment]. 030038
Studies om inorganic matters in feedstuffs. II. Contents' of calcium and phosphorus in home **produced** *feedstuffs*. 023068
Factors in the intensification of *feed* **production** [Forage plants]. 021340
World protein supplies *[Feed* **production**]. 021620
Effect of *feed* **production** on economics of cattle raising. 021817
Potential for *feed* **production** in other parts of the world and implications for American feed manufacturers. 023059
Waste cellulose as an energy source for animal protein **production** *[Feed]*. 023080
Pollution problems associated with *feedlot* **production** of livestock. 030950
Straw: from trash to **productive** *feed*. 023056
Rapid screening method for aflatoxin in a number of [food and *feed]* **products** [Contamination]. 021908
A linear **programming** *livestock-feed* grains model. 023018
Production of OTI-2,3 preparation on the basis of industrial hydrolizates of cotton hulls [**Protein** *feed* additives]. 023033
Preliminary observations on the influence of different *feed* **protein** levels on the blood profile of dairy cows. 023687
Full **ration** *feed* mixtures with different nutritive value in fattening young Italian White geese. 023808
Use of soybeans in the *feed* **rations** of lactating cows. 023943
Types of cattle to *feed* in **relation** to the needs of markets. 023833
Unknown growth factors in milk **replacer** *feeds* for fattening calves. 023734
Effects of different systems of alfalfa preservation on the ingestion, digestibility and passage speed of *feed* **residues** in adult sheep. 023919
Control rodents around poultry. Why bother to control **rodents?** *[Feed]*. 028336
Chewing time and volatile fatty acid production in steers *[Feed* **roughage**]. 023856
Sodium hydroxide treatment of different **roughages** *[Feeds]*. 023065
Estimating digestible energy from chemical analyses *[Feeds,* **sheep,** swine, rabbits]. 023860
Stable *feed* basis for development of animal husbandry [Costs]. 021459
Effect on **subsequent** *feedlot* performance of rotating or withdrawing dietary antibiotics from swine growing and finishing rations. 023762
A multiple inoculation technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on agar **substrates** *[Feeds]*. 023046
Evaluating the nutritive value of *feeds* for **sugar-protein** ratios. 023937
Oscar Berninger's four day **super** *feed*. 022239
Study of returns obtained from using liquid brewer's yeast as a *feed* **supplement** to chicken rations [Costs]. 021438
Milk productivity of cows gives a *feed* **supplement** of thyroprotein and glucavamorin P10x. 023959
Soviets promote yeast for livestock protein *[Feed* **supplements**]. 023028
Influence of phytoestrogens on milk productivity of cows *[Feed* **supplements**]. 023957
Pot experiments with oats on the influence of *feed* **supplements** on the fertilizer effect of [pouldtry and swine] excrements. 030424
Mercury analyses of Michigan corn [**Swine** *feed* ingredient]. 023069
Studies on the nutritive value of **swine** *feed*. II. Determining the digestibility of nutrients in some concentrates with swine. 023880
Nitrogen metabolism and digestibility of *feeds* in **Thornber** hybrid and **Belgian Landrace swine.** 023912
Studies with Fusarium [roseum]-infected corn [Swine, *feed* **toxicity**]. 023070
Reducing losses of pressure in *feed* **transporting** in vibrating tubes. 030162
A modified method for the estimation of bound formaldehyde in **treated** *feed* proteins. 023045
Metabolizable energy of *feedstuffs* for **trout.** 023058
Raising remontant heifers on different **types** of *feed*. 023938
Production of protein from low protein in *feedstuffs* and **urea.** 023061
Observations on the characteristics of cow's milk in relation to the **urea** in *feed*. 023929
Physiological bases of dairy cattle feeding on farms with high fertilizer application and intensity of *feed* **utilization.** 023703
Rational methods of preparing and **utilizing** *feeds* in the western provinces of the Ukrainian SSR. 023964
Rising affluence ups demand for U.S. *Feeds* in **Venezuela.** 021559
Santoquin salts as stabilizers of carotene [**Vitamins** in *feed]*. 023086
The economic reasibility of processed animal **waste** *[Feed]*. 023081
Ventilation, *feed* **waste,** breakage [Raising poultry]. 023114
Availability of nutrients in swine **waste** *[Feed]*. 023883
Protein evaluation of triticale varieties [as *feed]* for **weanling** pigs. 023898
The effect of **winter** *feed* levels of reproductive performance of beef cows and heifers. 023908
Development of the **world** *feed* market. 021593
State standard for *feed* **yeasts.** 023034
Protein from petroleum [**Yeasts** as *feed]*. 023072
Feed intake and growth in New **Zealand** *feedlots* [Beef cattle]. 023828

FEEDBACK

Genetic *feedback* and simulated environmental catastrophes [Musca domestica]. 029003

FEEDING

Blood-feeding **activity** of partially engorged Culex nigripalpus (Diptera: Culicidae). 029326
Preservation of wet yeast for **animal** *feeding*. 023014
Back home on the range: calf, *grass-fed* **beef.** 022309
Grass-fed **beef** is cheaper, but is it for you? 022365

Effects of chopping ensilaged alfalfa (Medicago sativa L.) and the conservation process on the *feeding* **behavior** of sheep. 023918
Feeding **behavior** of the Australian acridid, Valanga irregularis. 029332
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by *feeding* **bracken** fern (Pteridium aquilinum). 025003
Hydrocyanic (HCN) toxicity in **broilers** *fed* diets contaning cassava. 024987
Short-term metabolic control of appetite in dairy **calves** *[Feeding].* 023616
Cattle *feeding* economies of size revisited. 021257
Reserves for increasing beef production **[Cattle** *feeding,* breeding]. 023173
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of **cattle** *fed* beet pulp. 023576
Physiological bases of dairy **cattle** *feeding* on farms with high fertilizer application and intensity of feed utilization. 023703
The "meat plan": From the law to the barn **[Cattle,** *feeding].* 023922
The "meat plan: From the law to the barn **[Cattle,** *feeding].* 023923
Productivity of young **cattle** *fed* a ration enriched with Propiovit [Costs, returns]. 023963
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other pine-derived **chemicalson** *feeding* of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
Utilization of hen manure by laying hens and **chicks** *[Feeding].* 023848
Rabbit aortic endothelial and medial histamine synthesis following short-term **chloesterol** *feeding.* 023404
Advanced coronary atherosclerosis in swine produced by combination of balloon-catheter injury and **cholesterol** *feeding.* 024837
Degree of filling of the *feeding* **chutes** of wood chippers. 025355
Competitive *feeding* experiments with tropine in Datura [meteloides]. 026728
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. **Concentrate** *feeding* for milk production [Dairy cattle]. 023723
Minimum **concentrate** *feeding* for efficient milk production [Cattle]. 023950
Evaluation of swine according to their own productivity and the results of the **controlled** *feeding* of their polysiblings [Heredity]. 024264
Feeding **corn** silage plus manure from caged layers or dairy cows as total mixed rations for dairy heifers. 023819
The economics of using artificially dried green crops in milk production [Dairy cattle, *feeding* **costs].** 021410
Increase in effectiveness of animal husbandry by improving the structure of *feeding* **[Costs,** returns]. 021457
A study of the nitrogen balance of **cows** *fed* with urea. 023951
Creep *feeding* and subsequent maternal ability of Simmental cross calves. 023628
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its *feeding* to the **dairy** cows and nitrate poisoning [Cattle]. 023057
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of *feeding* on **dairy** cattle]. 030423
Feeding **damage** to several leguminous and non-leguminous plants by the Egyptian alfalfa weevil [Hypera brunneipennis]. 028730
Effect of glucose and Fructose in the protein-repletion **diet** *fed* after protein-depletion on some blood constituents of rats. 021993
Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), *fed* **diets** containing graded levels of an amino acid mixture. 029313
Stability of oxytetracycline in **diets** *fed* to honeybee [Apismellifera] colonies for disease control [American foulbrood, European foulbrood]. 029841
The peculiarities of **duck** *feeding.* 023745
Feeding **errors** which cause lactic acidosis in ruminants. 023787
Feeding **experiments** with rainbow trouts using Camembert andRoquefort starters [to test their potential toxicity]. 021945
How often should fox and mink be *fed?* II. 023736
Are **fluid** *feeding* devices economical? 021380
Dairy cattle—providers, not users—of human **food** *[Feeding].* 023740
Effects of *feeding* **formaldehyde-treated** oilseed supplements to sheep on pasture. 023801
Effects of breed and forage vs **grain** *feeding* on beef palatability and shelflife. 022701
Whole wheat **grain** *feeding* of lambs. V. Effects of roughage and wheat grain mixtures. 023701
Feeding **grass** straws to wintering cows. 023863
Effect of replacing barley with tapioca meal at two different levels of *feeding* on the **growth** and health of early weaned pigs. 023792
The effect of *feeding* **high** levels of low-quality proteins to growing chickens. 023706
Feeding of **high** yield cows. 023743
Program for *feeding* **high** performing cows. 023799
Hog *feeder* [Construction]. 029959
Effect of *feeding* on the **immunobiological** reactivity of the swine organism. 024769
Performance of **individually** *fed* bulls and steers [Dietary fat]. 023636
Feeding **induced** by intracerebroventricular 2-deoxy-d-glucose in the rat. 023213
Feeding the **lactating** sow. 023805
Effect of level of *feeding* during **lactation** on sow and pig performance. 023761
Evaluation of wheat straw in *feeder* **lamb** rations. 023862
Feeding for **lean** [Swine]. 023804
Studies on *feeding* **level** for dry cattle. 023936
Dependence of the productive and reproductive qualities of ducks on their *feeding* **level.** 023955
Effect of protected **lipid** *feeding* on milk composition [Dairy cattle]. 023815
New method of **liquid** *feeding* of beef cattle. 023917
Relationship between carbohydrate-, fat-and protein metabolism **[Livestock** *feeding].* 023797
The use of synthetic amino acids [in **livestock** *feeding].* 023854
Odor measurement for **livestock** *feeding* operations [Waste management, feedlots]. 030921
Urea metabolism in the **llama** *[Feeding].* 023724
Arkansas Dairy [cattle] Study Day, October 28, 1975. Breeding, *Feeding,* **Management.** 023161
Feeding, **managing,** and vaccinating dairy and orphan beef calves from birth to weaning. 023096
Salivary glands of female Culex pipiens: morphological changes associated with **maturation** and *blood-feeding.* 029004
Dieldrin and DDT in the tissues of **mice** *fed* aldrin and DDT for seven generations. 024940
Study on growing and fattening of Korean native cattle in Jeju. Effects of *feeding* **milk** substitute and calf starter to early weaning and suckling calves for growing and fattening. 023881
How often should fox and **mink** be *fed?* 023735
The effects of tolbutamide on the development of atherosclerosis in rhesus **monkeys** *fed* an average American table-prepared diet. 021992
Ill-effects of *feeding* **mouldy** peanut hay to young goats [Aspergillus nidulans, mycotoxicosis]. 024955
Chemical stimuli for *feeding* by **[nematode]** Aphelenchus avenae [Rhizoctonia solani, Caenorhabditis briggsae]. 028400
Effects of *feeding* **nitrates** to dairy cattle. 023695
Gluconeogenesis in the kidney-cortex slices of **normal** *fed* and starved sheep. 023660
Feed consumption and *feeding* **performance** as exemplified by the herd of cows of the Liquid Fertilizer Experimental Station [Austria]. 023702
Primary liver carcinogenesis in rats after *feeding* with the **pesticide,** 2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulphite (Aramite). 029090
Piece-by-piece *feeder* of logs. 025451
Feeding and **pigmentation** in aviculture [Poultry]. 023927
Feeding and **pigmentation** in aviculture [Poultry]. 023928
Feeding **pigs** for profit. 023806
Butanediol as an energy source for **pigs** *[Feeding].* 023885
Experiments with scientific control of **plant** *feeding* on a Tachov branch farm [Mineral fertilizers, field crop yields]. 030547
The demands set by programmed watering and *feeding* [of **plants]** on the growing medium [Peat, Sphagnum moss]. 027636
Hazards to **predators** *feeding* on prairie voles killed with zinc phosphide [rodenticide]. 029141
Wagon **rack** for *silage-feeding.* 029966
Increased sensitivity to pentobarbital in **rats** *fed* a diet lacking flavonoids. 022084
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of albino **rats** *fed* different pulse proteins. 022108
Hepatic nicrosomal enzyme induction in **rats** *fed* varietal cauliflower leaves. 022138
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of **rats** *fed* with rapeseed or groundnut oil. 022144
Effects of dietary triglyceride on the properties and lipid composition of plasma lipoproteins: acute experiments in **rats** *fed* safflower oil. 022151
Effects of glucocorticoid administration on the deposition of fat in the cardiac lipids of **rats** *fed* rapeseed oil. 022181
Gastrointestinal gas production in **rats** *fed* on diets containing germinated legumes [Greengram, chickpea and cowpea]. 022183
Plasma carbohydrate, insulin and hepatic enzyme levels in **rats** *refed* sucrose. 022184
Inducibility of mucosal drug-metabolizing enzymes of **rats** *fed* on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Effects of temperature and level of *feeding* during **rearing** on carcass and reproductive traits in pigs. 023586
Feeding and **reproductive** behavior of Ips avulsus [pest of Pinus]. 028937
Report of swine **research,** 1975 *[Feeding].* 023899
Leaf-feeding **resistance** to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
Effect of **restricted** *feeding* during the growing period on the body weight and egg production of Japanese quail, Coturnix coturnix japonica. 023688
Restricted *feeding* of Leghorn layers [Chickens]. 023720
Restricted *feeding* of laying pullets [Chickens]. 023744
Restricted *feeding* of boiler type chickens. 023794
A new look at **restricted** *feeding* of pullets [Chickens]. 023814
British egg testing **results** *[Feeding].* 023739
Feeding, **rumen** biochemistry and milk production. 023934
Effects of frequency of *feeding* on **ruminal** pH [hydrogen-ionconcentration] value, concentration and molar proportion of volatile fatty acids, and dry matter digestibility. 023781
The use of dried grass in **ruminant** *feeding.* 023852
Wood as an energy source for **ruminants** *[Feeding].* 023741
Amino acid absorption by portal-jugular venous differences in **sheep** *fed* two maturities of alfalfa hay. 023756
Short-term *feeding* of methionine hydroxy analog to beef brood cows: Does it increase calf weaning weights? 023907
No associative effects between corn and haycrop **silages** *fed* to lactating dairy cows. 023770
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by *feeding* **soluble** extracts [Bulls, sheep]. 025004
Anatomical study of leaf lesions on three varieties of rice as a result of *feeding* by different **species** of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Feedlot performance and carcass evaluation of various two-breed cross **steers** *fed* at weaning age and as yearlings. 023906
Change in nitrogen concentration in chyme of the small intestine in **steers** *fed* various dosages of urea. 023942
Protein and amino acid evaluation of commercially grown opaque-2 corn **[Swine** *feeding].* 023765
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium **[Swine,** *feeding].* 023818
Evaluation of an amino acid-iron chelate hematinic **[Swine,** *feeding].* 023891
Swine *feeding:* recent trends in nutrition with proteins and amino acids. 023913
Aspects of *feeding* **swine.** 023914
The *feeding* **value** of kale and swedes [Cattle]. 023689
Feeding **value** of hardwood sawdust in dairy [cattle] rations. 023694
Feeding **value** of silage from a tillering and a nontillering hybrid corn [Sheep, steers]. 023721
Feeding, a **vital** problem [Dogs]. 023916
Complementary and supplementary value of peanut protein to rice when *fed* to **weanling** rats [Diet]. 022178
Metabolism of liquid **whey** *fed* to sheep. 023768
Winter *feeding* of lactating cows [Dairy cattle]. 023729
Economical **winter** *feeding* of dairy cattle. 023742
Studies on all season management of beef cattle with the non-pen system. 2. **Winter** *feeding* of heifers with only a hay supply and their compensational growth in spring. 023875
Cardiovascular and endocrine responses to *feeding* in the **young** calf. 023547
Feeding **young** slaughter calves requires permanent attention. 023788

FELINE

The use of megasterol acetate for treatment of *feline* **endrocrine** alopecia [Altered cats]. 024908
An unusual case of dilatation of the esophagus in a cat [Lymphosarcomas, *feline* **leukemia** virus]. 024367
Feline **miliary** dermatitis. 024361
Influence of culture conditions on growth of FL-74 cells and *feline* **oncornavirus** cell membrane associated antigen production. 024542
A method for the continuous study of net water transport in the *feline* **small** bowel [Cats]. 023179
Determination of **subgroup-specific** *feline* oncronavirus-neutralizing antibody. 024572
Feline **viral** rhinotracheitis in Japan—isolation of herpes type virus and pathologic picture [Cats]. 024630

FEMALE

The imaginal diapause-break in females of Tetrix undulata (Sow.) by corpora allata of **active** *female* Locusta migratoria (Orthoptera, Tetrigidae). 029277
Water balance of small lactating rodents. II. Concentration and composition of milk of *females* on **ad** libitum and restricted water intakes. 023379
Influence of a juvenile hormone analogue on the ovarian function in **allatectomised** *females* of Labidura riparia (Insecta, Dermaptera). 029269
Uptake of the sex pheromone 3H [hydrogen isotope] bombykol and related compounds by male and *female* **Bombyx** [mori] antennae. 029840
Daily rhythm of Synanthedon pictipes (Lepidoptera: Aegeriidae) *female* **calling** behavior in Wisconsin: temperature effects. 029328
Observations on the appearance of estrus in the *female* **cat** and dog. 024111
A case of chondrosarcoma in a *female* **cat.** 024860
An unusual structure in *females* of **Cicindela** albicans Chaudoir and related species (Coleoptera: Cicindelidae). 029392
Salivary glands of *female* **Culex** pipiens: morphological changes associated with maturation and blood-feeding. 029004
A comparison of variations in plasma luteinizing hormone concentrations in male and *female* **domestic** chickens (Gallus domesticus) from hatch to sexual maturity. 023512

Enhanced respiration and reduction of tetracycline binding of boar and bull spermatozoa following incubation in the *female* **genital** tract. 024145
Statistics, heredity and correlation between some features of the circulatory system in *female* **German** landrace swine. I. Means and environmental effects. 024254
Control of dimorphism in the *female* **honeybee** [Apis mellifera]. 3. The balance of nutrients. 029807
Control of dimorphism in the *female* **honeybee** [Apis mellifera]. 4. Techniques for fractionating royal jelly into its major components. 029808
Removal of **intact** *female* reproductive organs from codling moths [Laspeyresia pomonella]. 029334
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and *female* **mice.** 024156
Developmental defects of *female-sterile* **mutants** of Drosophila melanogaster. 029318
Factors promoting vitellogenic competence and yolk deposition in the cockroach [Periplaneta americana] ovary: the **postecdysis** *female.* 029411
Testis growth and plasma LH [luteinizing hormone] concentration following hemicastration and its relation with *female* **prolificacy** in sheep. 024128
A scanning electron microscopic study of rabbit spermatozoa in the *female* **reproductive** tract following coitus. 024054
Identification of the *female* **sex** pheromones of the moth, Chilo suppressalis. 029412
Female **sterility** in hemp (Cannabis sativa L.). 026143
Allatectomy and imaginal diapause in *females* of **Tetrix** undulata (Sow.) (Orthoptera, Tetrigidae). 029260
The imaginal diapause-break in *females* of **Tetrix** undulata (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277
Recapture of **virgin** *female* Caribbean fruit flies [Anastrepha suspensa] from traps baited with males. 028859
"Porapak Q" adsorption of airborne organic compounds by the **virgin** *female* of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272

FEMUR

Histology of the developmental process of the *femoral* **diaphysis** and its pathological significance in broiler chickens [Bone diseases]. 024874
Fractures of the **distal** *femur* in the dog and cat. 024976

FENCES

Distasteful fireflies [Photinus umbratus] sometimes emetic, but not lethal [to *fence* **lizards** and skinks]. 029356
Timber *fence* posts. 029904

FENITROTHION

Fenitrothion **[Residues].** 029131
Genetic analysis of resistance to DDT, methoxychlor and *fenitrothion* in **two** strains of housefly (Musca domestica). 028971

FENUGREEK

On *fenugreek* **protein** (Trigonella foenum graecum [Human nutrition]. 022167

FENUSA

Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, *Fenusa* **pusilla** (Hymenoptera: Tenthredinidae). 028926

FERMENTATION

Microbiological and *fermentative* **activity** of Gley-Podzol and Krasnozem soils under various moisture content. 030375
Adjunct *fermentation:* trials in a 10-hl pilot brewery [Beermanufacture]. 022386
The **adjunct** *fermentation* process [Beer]. 022393
Antibiotic *fermentation,* and their regulation [Fungi, bacteria]. 026325
Bacterial production of protein from cellulose. II. Effect of individual trace elements on **cellulose** *fermentation* [Food research]. 022372
Studies on the *fermentation* of **citric** acid from N-alkanes by Candida lipolytica B74 [Yeasts]. 026330
Metabolism of wine yeasts according to storage **conditions** *[Fermentation].* 022994
Fermentative production of fumaric acid from liquid N-paraffin by Candida rugosa [Yeasts]. II. Studies on the *fermentation* **conditions.** 026326
Measures aimed to **control** *fermentation* and influence the content of mineral substances. 022389
Certain problems of dust removal from tobacco [in *fermentation* **factories**]. 022832
True knowledge comes from experiments: [an achuievement in long term storage of *fermented* **feeds** in China]. 023008
Effects of betel nut and *fermented* **fish** on the thiamin status of northeastern Thais. 022000
Fermented **lactic** acid products and their dietetic properties: yoghurt, bioghurt and biogarde. 022581
Fermented **lactic** acid products and their dietetic properties: yoghurt, bioghurt and biogarde. 022582
Brewing, *fermenting* and **lagering** technology in continental European breweries. 022542
Survival of resistant external stages of [livestock] parasites during *fermentation* of **liquid** cattle manure at raised temperatures. 024808
Elimination of Salmonella from *fermented* **pork** by gamma irradiation. 021959
Reflections upon the one tank **procedure** *[Fermentation].* 022392
On-line measurement of gas-exchange conditions in *fermentation* **processes** [Candida utilis, yeasts]. 022384
Effect of *fermentation,* **processing** and storage on lipid composition of sauerkraut [Cabbage]. 022948
Employ of industrial by-products containing carbohydrates for acid, alcohol, aldehyde and ketone **production** *[Fermentation].* 022478
Fermentative **production** of fumaric acid from liquid N-paraffin by Candida rugosa [Yeasts]. II. Studies on the fermentation conditions. 026326
Preliminary studies on *fermentative* **production** of tryptophan [Candida arborea, yeasts]. 026328
Methodical possibilities for the differentiation of sour milk **products** *(fermented* milk products). 022604
Production of a betacyanine concentrate by *fermentation* of **red** beet juice with Candida utilis [Food colorants]. 022937
The flora of bacteria in *fermented* **sausages** [Food contamination]. 022208
The conditions for the occurrence of **secondary** *fermentation* on wilted silage. 023067
Training microbiologists for *fermentation* **technology** in Japan [Foods]. 022472
Storage time and *fermentation* **temperature** of grass silage as factors affecting its voluntary consumption by sheep. 023055
Raw material losses on [operating] lines for the preparation of **tobacco** for *fermentation.* 022834
The production and *fermentation* of **tobacco** in large-sized packs. 022836
Investigation of the possibility of using lignin to purify the *post-fermentation* **yeast** sediments [from hydrolysis establishments]. 030899

FERNS

Sulphate esters of caffeyl- and p-coumarylglucose in *ferns* [**Adiantum,** Pteridium aquilinum]. 026765
Bracken *fern* [Pteridium] poisoning [Cattle]. 024988
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding **bracken** *fern* (Pteridium aquilinum). 025003
Studies on toxic factor in **bracken** *fern* [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Growth regulation by ethylene in *fern* **gametophytes.** IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. 026355
The phytogeographical relationships and origin of the New **Hebrides** *fern* flora [Pteridophyta]. 025792
The fatty acid composition of *fern* **lipids.** 026767
Ferns and other **primitive** vascular plants of central south Georgia. 025671
A comparative account of the *fern-genera* **Syngramma** J. Sm. and Taenitis Willd., with discussion of their relationships to each other and to other genera [New taxa]. 025726
Tree *fern* indusia: studies of development and diversity [Cyathea fulva]. 025989

FEROCACTUS

Ferocacti *[Ferocactus]* for **flowers.** 027719

FERREDOXIN

On the nature of the iron sulfur cluster in a deuterated **algal** *ferredoxin* [Synechococcus lividus]. 026409
Modification of the automated sequence determination as applied to the sequence determination of the [blue-green alga] Spirulina **maxima** *ferredoxin.* 026404
Regulation of *ferredoxin-catalyzed* **photosynthetic** phosphorylations [Chloroplasts, spinach]. 027281

FERTILITY

Investigations on improving the *fertility* of **aged** sows. I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025
Investigations on improving the *fertility* of **aged** sows. 2. Histological structure on the endometrium at different stages of the cycle. 024026
Investigations on improving the *fertility* of **aged** sows. 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of sows during normal-lactation and very early weaning. 024027
Effect of flumethasone induced calving on the postpartum interval of beef **cows** *[Fertility].* 024195
Effect of estrogen applied in puerperium on its course and some indices of *fertility* in **dairy** cows. 024244
The *fertility* of **deep-frozen** ram semen supplemented with PGF2alpha [Prostaglandin F2alpha]. 023970
Fertility on **early** rebreeding in postpartum stage in cows. 024140
Studies on the dominant-lethal and *fertility* **effects** of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and female mice. 024156
Control of ovulation, *fertility* and **endocrine** response after prostaglandin F2alpha in cattle. 023980
Effect of the new insecticide PDD 60-40 on the *fertility* of **Epilachna** varivestis Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. (Coleoptera, Chrysomelidae). 028689
Fertility of **estrus** synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Artificial insemination: *fertility* and **genetic** improvement [Cattle]. 024214
Effect of long- and short-term intravaginal progestagen treatments on shychronization of oestrus and *fertility* in **heifers.** 024117
The role of management in dairy **herd** *fertility.* 024084
Fertility of **imported** deep frozen semen of Brown Swiss proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072
Improving *fertility* of citrus groves. 027750
Contributions to the study of **improving** *fertility* of heavy soils in the Bulgarian People's Republic. 030625
The question of grain content and forage quality in maize: comparisons between **isogenic** *fertile* and sterile plants. 026191
On the relation between milk production and *fertility* in **Kibbutz** dairy cattle herds. 024085
Double cropping and *fertility* **levels** under irrigation in eastern New Mexico [Sorghum, barley]. 027496
Liveweight *fertility* relationships in Merino and half-bred ewes in a high country environment [Sheep]. 024182
Low *fertility* in nursing ewes during the non-breeding season. 023989
Bovine abortion and **low** *fertility* caused by Campylobacter fetus subsp. fetus (Vibrio fetus var. Venerealis), a first case in Japan. 024486
Legume establishment on **low** *fertility* semi-arid tussock grasslands. 027460
Effect of potassium fertilizers on the intensity of microbiological processes and *fertility* of **lowland-type** peat-bog soils. 030626
Measures for **maintaining** *fertility* on top-performance [dairy] farms. 024036
Utilization and maintenance of the **natural** *fertility* of paddy soils [Plant residues, green manures]. 030446
Normal *fertility* induced in cow by double short treatment with chlormadinone acetate (CAP). 023992
An irreplaceable ratio: *fertility* to **organic** matter [Soils]. 030335
Restoring of **pollen** *fertility* in male-sterile lines of wheat (timopheevi) Triticum aestivum L. 026169
Induction of estrus, ovulation and *fertility* in **prepuberal** gilts. 023986
The vascular system of the *fertile* **scale** of Abietaceae. 025965
Effects of three forest species on pasture **soil** *fertility* in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. 025013
Changes in **soil** *fertility* under intensive rice cropping with improved varieties [Fertilizers]. 030527
A progestogen (chlormadinone acetate = CAP) for cycle control and *infertility* **treatment** in the mare. 023978
Water chemistry and *fertility* of **twenty-three** Connecticut lakes. 030638

FERTILIZATION

Freezing and *fertilizing* **ability** of spermatozoa [Semen, buffaloes]. 024073
Influence of methyl bromide fumigation on eggplant [toxicity] in relation to *fertilization* with **ammonium** sulphate. 028365
Ovogenesis and *fertilization* of **Ascaris** lumbricoides [suum]: electron microscope study. 024701
Improvement of beet quality in the region of the Tulln sugar factory **(Austria)** *[Fertilization].* 030579
Potential tetany hazard [to ruminants] of N *[nitrogen]-fertilized* **bromegrass** [Bromus inermis] as indicated by chemical composition. 026892
Do you *fertilize* the **Camellia** plant, the soil or your ego? 030417
Studies on the regrowth of orchardgrass [Dactylis] under different season, **cutting** and *fertilization.* 027376
Effects of in-vitro treatment of boar spermatozoa with TEPA [tris(1-aziridinyl)phosphine oxide] on the *fertilization* and **development** of pig eggs. 024118
The role of Angiospermae sperm cells of different quality for investigating the process of **double** *fertilization.* 026186
The role of subsidiary sperm cells in embryo sacs of Angiospermae for investigating the process of **double** *fertilization.* 026617
Fertilization of **double** cropping and no-till systems: a review and a projection [Maize]. 030461

Effect of **foliar** *fertilisation* on yield and quality of rainfed Cambodia cotton. 030451
On *fertilizing* **forage** beets during the first years of development of peat soils in the western Ukrainian Polesye. 030562
Effect of **grasses** *fertilized* with carbamide and diammonium phosphate on the chemical composition of meat and physical properties of the wool of sheep. 022715
Epidemiology of salmonellae [in cattle] and *fertilizing* of **grassland** with sewage sludge. 030572
Examination of relations between *fertilizing* and **humic** matters. 030573
Response of Japanese honeysuckle [Lonicera **japonica**] to *fertilization*. 030485
Studies on the influence of a long term **lime** *fertilization* on the humus composition and carbohydrate content of rice soils. 030531
Fertilizing and **liming**—factors influencing uptake of trace elements by ornamental plants grown in peat substrate. 027075
The yield and quality of grain of barley varieties under different **mineral** *fertilization* levels [in breeding intensive types]. 026278
The role of calcium ions in *fertilization* of **mouse** and rat eggs in vitro. 024131
Yield and quality of corn and grain sorghum grain and residues as influenced by N **[nitrogen]** *fertilization*. 027360
Nitrogen *fertilization* in tulip bulb production in Japan. 030402
Nitrogen *fertilization* of maize in relation to spacing of raws. 030436
Effect of a large area **nitrogen** *fertilization* by airplane on volume increment of pine [Pinus] stands in the Bodenwohr Forestry District in Bavaria. 030459
Influence of **nitrogen** *fertilization*, spraying of calcium nitrate, thinning, and time of harvesting on James Grieve [variety of] apples. 030514
Nitrogen *fertilization* of grassland in the spring. Report of research during the period 1971-1973. 030515
Nitrogen *fertilization* of sugarbeet with regard to soil conditions and prognosis of fertilizer requirement. 030580
Studies on the reproduction in the dog. VI. Ovulation rate and transuterine migration of the *fertilized* **ova**. 024144
Studies on *fertilized* **ova** transfer in goat. 024205
The use of fertilized and *unfertilized* **peats** of different origin for rooting cuttings [of ornamental trees and shrubs]. 027647
Effect of nitrogen and **phosphorus** *fertilization* on seed yield of late cauliflower—(Brassica oleracea var. botrytis). 030472
Economics of *fertilizing* **pine** [Pinus] stands in the Oberpfalz using calcium-ammonium nitrate. 030458
Nutrient supply of Zurich grape **soils** *[Fertilization]*. 030521
Fertilising **standards** for potting composts based on the 1 : 1 1/2 volume extraction method of soil testing. 030397
Is is necessary to *fertilize* with **sulfur?** [Rape, mustard yields]. 030549
Effect of manganese and **sulphur** *fertilization* on growth and yield of onions grown on alkaline low moor peat soil. 030395
The use of *fertilized* and **unfertilized** peats of different origin for rooting cuttings [of ornamental trees and shrubs]. 027647
Nonroot liquid [aerial] *fertilization* of **wheat** and the development of brown rust. 028113
Effects of timing of *fertilization* of **young** spruce [Picea]. 030460
Phosphorus uptake by soybeans as influenced by [soil] moisture stress in the *fertilized* **zone.** 026891

FERTILIZERS

The effect of irrigation and *fertilizers* on the **accumulation** of aromatic substances in grape berries and on wine quality. 027300
The effect of *fertilizers* on the **activity** of invertase in Krasnozem soils. 030536
Harnessing atmospheric nitrogen for **agriculture** *[Fertilizers]*. 030447
Organization of agrochemical service [in USSR] in the area of massive chemicalization *[Fertilizers,* **application].** 021297
KA-26 helicopter in agriculture [Pesticide spraying and *fertilizer* **application].** 030165
Fertilizer **application** and sweet corn yield. 030487
Development and putting into practice of recommendations for *fertilizer* **application** [in East Germany]. 030500
Effect of levels and way of *fertilizer* **application** on okra seed germination. 030519
Yielding capacity of irrigated pasture and chemical composition of fodder according to the level of *fertilizer* **application.** 030578
Fertilizer **applications** to rice in Taiwan. 030444
Nodulation responses from nitrogen *[fertilizer]* **applied** to soybean half-root systems. 030415
Effects of *fertilizer,* **barnyard** manure, and crop residues on irrigated crop yields and soil chemical properties. 030437
Studies on the **basal** *fertilizer* for Easter lily (Lilium longiflorum Thunb.) bulb growing. 030544
Fritted trace elements (F.T.E.) as a **basic** *fertilizer* for peat. 030400
Agrochemical servicing of collective farms and state farms of **Belorussia** *[Fertilizers]*. 030499
Application of *fertilizers* to different **cabbage** varieties in a flood plain. 030486
Florida corn production: Are better yields **coming?** *[Fertilizers]*. 030541
The effect of **concentrated** *fertilizers* on the quality of [cotton] fiber. 030492
Fertiliser **consumption** in India. Estimates for 1978-79 and 1983-84. 030453
Combined utilization of insecticides and *fertilizers* [in **cotton** growing]. 028761
Use animal manure effectively! **[Cotton** *fertilizer]*. 030430
Fertilizers for **cotton** under the conditions of the Shirvan Steppe. 030490
Concentrated organic manures—an answer to *fertilizer* **crisis.** 030449
Note on the rubidium as a substitute for potassium in barley **crop** *[Fertilizers]*. 030469
Yield of winter wheat in relation to preceding **crops** and *fertilizers*. 027554
A *fertilizer* **distributor** [for plots used in plant breeding]. 026246
Optimization of *fertilizer* **doses** for topdressing of winter wheat after inorganic analysis of the plants for 1975. 030552
Pot experiments with oats on the influence of feed supplements on the *fertilizer* **effect** of [pouldtry and swine] excrements. 030424
Kelp extract as *fertiliser*. 2. **Effect** on chemical composition and element uptake of white clover. 030504
Lime and *fertilisers* are **essential** for progress in farming. 030448
Yield gradients in cocoa (Theobroma cacao L.)—shade and *fertilizer* **experiments.** 030409
Amounts of nutrients for crops grown in pot **experiments-rice** *[Fertilizers]*. 030482
Effect of air pollution by copper, sulphuric acid and *fertilizer* **factories** on plants at Harjavalta, West. Finland. 028330
Relations between the mechanization and the mechanical **features** of *fertilizers*. 030102
Muck-in the buildings and out in the **fields** *[Fertilizers]*. 030429
Removing magnesium from wet-process acid with **fluosilicate** *[fertilizers]*. 030507
The effect of root and foliar nutrition on the growth, development and yield of mandarin orange fruits [Soil and **foliardressing** with *fertilizers]*. 030539
The effect of nitrogenous nutrition *[fertilizers]* on the **formation** and accumulation of catechins in tea leaves in relation to irrigation under the conditions of Imeretia [USSR]. 030537
Effects of *fertilizers* on **fruit** length and yield of ratoon Smooth Cayenne pineapple crop in Sierra Leone. 030396
On the problem of *fertilizers* for **fruit** crops in the Ukraine. 030563
Poultry manure—its use in agriculture **[Grasses,** *fertilizers]*. 030428
Regularities in the action of *fertilizers* on **growing** tobacco in various zones. 030542
Bulk **handling** of *fertilizers*. 030497
Results from two experiments with winter wheat, comparing todressings of a liquid N *[nitrogen]-fertilizer* either alone or with added **herbicide** or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Effects of potato cyst nematodes on potato plants. IV. Effects of *fertilisers* and **Heterodera** rostochiensis on the yield of two susceptible varieties. 028403
Physiological bases of dairy cattle feeding on farms with **high** *fertilizer* application and intensity of feed utilization. 023703
Nevada meadow **improvement** *[Fertilizers]*. 030513
Fertilizers are found to **influence** coconut wilt disease in India. 028457
Application of *fertilizers* to **irrigated** lands of the Volga area [Cereal yields]. 030574
Feed consumption and feeding performance as exemplified by the herd of cows of the **Liquid** *Fertilizer* Experimental Station [Austria]. 023702
Application of **liquid** *fertilizers*. 030520
Magnesium *fertilizers*. 030412
Effects of form and amounts of nitrogen and **magnesium** *fertilisers* on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. 030484
Application of **magnesium** *fertilizers* [in sugarbeets]. 030546
Fertiliser **marketing;** need for a new concept. 030454
Review of *fertiliser* **marketing** situation in India in 1974-75. 030455
Economic effectiveness of the application of **mineral** *fertilizers* in growing pine stands in Voronezh Region [Costs, returns]. 025106
Effect of **mineral** *fertilizers* on growth of pines in a fairly moist pine forest. 027328
Calculating the strength of plastic discs of centrifugal spreaders of **mineral** *fertilizers*. 030156
Nutrition of greenhouse cucumbers on peat substrates **[Mineral** *fertilizers]*. 030489
Rates and ratios of **mineral** *fertilizers* on meadow soils. 030491
Application of **mineral** *fertilizers* in forests of the USSR. 030493
Mineral *fertilizers* in the forestry of Latvia. 030495
Mineral *fertilizer* requirements of pine in the forests of Estonia. 030496
Mineral *fertilizers*—a basis for increasing productivity of agriculture. 030502
Experiments with scientific control of plant feeding on a Tachov branch farm **[Mineral** *fertilizers,* field crop yields]. 030547
Effect of **mineral** *fertilizers* on yield and quality of forage grass stands of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
The application of **mineral** *fertilizers* to proso in the Ukrainian steppes. 030564
Hygiene during work with **mineral** *fertilizers*. 030571
The importance of nitrogen planning in sericulture **[Morus,** *fertilizers]*. 030474
Field trials on Dwarf Cavendish bananas in southern Malawi. II. *Fertilizers* and **mulching.** 030398
The effect of plant structure on the intake of tropical pasture. III. Influence of *fertilizer* **nitrogen** on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
Components of test weight of ten varieties of winter wheat grown with two rates of **nitrogen** *fertilizer* application. 030477
Economics of **nitrogen** *fertilizer* for corn [Costs]. 030509
Effects of **nitrogen** *fertilizer* on corn. 030510
Soils affect efficiency of **nitrogen** *fertilizers* [Maize]. 030522
Effect of organic matter application and water regimes on the transformation of *fertilizer* **nitrogen** in a Philippine soil. 030530
Application of **nitrogen** *fertilizers* to legumes. 030545
Effect of **nitrogen** *fertilizers* on yield of winter crops grown in soddy-podzolic loamy soils of the Belorussian Polesye. 030558
Nitrogen *fertilizer* management for cowpea (Vigna unguiculata) production in Sierra Leone. 030568
Certain peculiarities of growing geranium [Pelargonium] on meadow soils of the Gissar Valley in relation to the utilization of **nitrogenous** *fertilizers*. 030534
The effect of forms of **nitrogenous** *fertilizers* on agrochemical properties of brown forest soils and the yield of tea leaves. 030535
The effect of **non-root** *fertilizer* supplements on the physiological indices and cucumber yield in hydroponic greenhouses [Soiless culture]. 027301
Annual report analyses of **official** *fertilizer* samples, July1974-June 1975. 030516
Effect of application dates for **organic** *fertilizers* on potato yields. 030556
Studies on soil improvement materials. I. Effect of **phosphate** *fertilizers,* silicic calcium, carbonate percipitated and compost of bark on citrus trees. 030433
Formaldehyde titration method for the determination of ammoniacal nitrogen in **phosphate** *fertilizers*. 030480
Phosphorus *fertilizer* studies with Capsicum annuum L. (Sweet pepper). 030404
Performance of the new wheat variety Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 [Nitrogen and **phosphorus** *fertilizers]*. 030475
The effect of various levels of **phosphorus** *fertilizers* on the development of the root system and above-ground parts of the tea plant. 030540
Application of *fertilizers* in **pine** stands with the use of aircraft. 030494
Minimising pollution from *fertiliser* **plants.** 030893
Results of studying the application of *fertilizers* to **poplars** in pseudogley. 030543
The effect of orchard factors on the chemical composition of apples. IV. Some effects of soil management and NPK [nitrogen, phosphorus, **potassium]** *fertilizers*. 030481
The effect of **potassium** *fertilizers* on frost resistance of the mandarin orange tree. 030538
Effect of **potassium** *fertilizers* on the intensity of microbiological processes and fertility of lowland-type peat-bog soils. 030626
Effect of energy and *fertilizer* **price** increase on farms. 021409
Phosphate developments in Eastern Siberia *[fertilizer* **production].** 030506
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the yield of American cotton variety 320 F in Sri Ganganagar tract of **Rajasthan** *[Fertilizers]*. 030442
Recent *fertilizer* problems in Asia. 030445
The use of slow **release** *fertilizers* in pot plant production [on peat and its mixtures with compost]. 030407
Nitrogen fertilization of sugarbeet with regard to soil conditions and prognosis of *fertilizer* **requirement.** 030580
The developmental physiology and *fertilizer* **requirements** of Irish potatoes. 027295
Technical knowledge: key to *fertilizer* **sales.** 021467
Scandinavian *fertilizer* industry, 1974. 030508
Shift in cropping pattern as a result of **scarcity** of *fertilizers*. 030471
The effect of *fertilizers* on **sclerophyll** (heath) vegetation-the problems of revegetation after sand-mining of high dunes. 030524
Effect of **seed-placed** *fertilizer* on the emergence (germination) of soybeans (Glycine max L.) and snapbeans (Phaseolus vulgaris L.). 026942
Use of **slow-release** *fertilizers* in peat substrates [for growing horticultural crops]. 030408
Influence of rate and placement of osmocote **[slow-release** *fertilizer]* on growth of container-grown Celosia argentia. 030526
Absorption of *fertilizer* and **soil** nitrogen by rice plants under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of nitrogen by rice plants. 027054
Contribution for **stimulating** *fertilizer* consumption in developing countries. 030517
Causes of calcinosis in cattle kept in the *soil-fertilizer-pland-animal* **system** [Poisonous plants, Trisetum flavescens]. 024942
Yield and morphological response of rape (Brassica campestris L. cv. Span) to irrigation and *fertilizer* **treatments.** 027385
Tree responses to *fertilizer* **treatments.** 030418
Spotted response of overseeded ryegrass [Lolium perenne] tosulfur-coated urea **[Turfgrasses,** *fertilizers]*. 027105
N [nitrogen] behavior under no-till vs. Conventional corn culture. I. First-year results using **unlabeled** N *fertilizer*. 030414
From city to farm: urban wastes and the American farmer *[Fertilizers* **utilization,** history]. 030413
Putting waste water to work *[Fertilizer* **utilization].** 030443

Changes in soil fertility under intensive rice cropping with improved **varieties** *[Fertilizers].* 030527
Reactions of **water-soluble** *fertilizer* phosphates with different soils in the German Democratic Republic. 030181
Effects of *fertilizers* and **weather** [Sunflower yields]. 030575
Influence of *fertilizers* on **yield** and quality of a young citrus orchard in Kenya. 030401
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] *fertilizer* on **yield,** tuber size and N, P and K contents of three potato varieties. 030478
The effect of *fertilizers* on the **yield** of mushrooms in pine forests located in the region along the middle part of Angara River. 030503

FERULA
Conformation of the configurations of badrakemin and gummosin [Ferula pseudoreoselinum, Ferula samarcandica, *Ferula* **badrakema**]. 026470
Structure and configuration of new coumarins of the roots of *Ferula* **mogoltavica.** 026499
Structure and configuration of the coumarins mogoltadone and mogoltadin *[Ferula* **mogoltavica**]. 026500
Structure of the coumarin reoselin *[Ferula* **pseudooreoselinum**]. 026502
Conformation of the configurations of badrakemin and gummosin *[Ferula* **pseudoreoselinum,** Ferula samarcandica, Ferula badrakema]. 026470

FERULIC
Evidence for covalently attached p-coumaric acid and *ferulic* **acid** in cutins and suberins [of fruit and vegetables]. 027271

FESCUE *see* **FESTUCA**

FESTUCA
Phytotoxic grass *[Festuca* **arizonica,** Muhlenbergia montana] residues reduce germination and initial root growth of ponderosa pine. 028451
Evaluation of irrigated pasture species *[Festuca* **arundinacea,** Agropyron elongatum, Dactylis glomerata, cattle]. 023861
Harvesting dates for stubble residues of meadow grass seed plants *[Festuca,* **Bromus**]. 027559
Festuca **lapidosa,** an overlooked illyric endemic. 025617
New varieties of Dactylis [glomerata], **meadow** *fescue* [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for forage production. 027500
New 1974 varieties: Valaska tufted **red** *fescue* [Festuca rubra, yields]. 027549
Procedure for evaluating the biological degradation of turfgrass thatch *[Festuca* **rubra**]. 027104
New 1974 varieties: Valaska tufted red fescue *[Festuca* **rubra,** yields]. 027549

FETAL
Effect of *foetal* **adrenalectomy** on maternal oestrogen levels at dexamethasone-induced parturition in sheep. 024105
Hydroxyurea synchronization of **bovine** *fetal* spleen cells. 023400
Response of the **bovine** *fetus* to reovirus. 024780
Bovine abortion and low fertility caused by **Campylobacter** *fetus* subsp. fetus (Vibrio fetus var. Venerealis), a first case in Japan. 024486
The behavior of *fetal* **canine** cardiac cells in culture: synthesis and phosphorylation of myosin. 023384
Production of compost from refuse by rearing the earthworm **Eisenia** *foetida* (Savigny 1826). 030259
Evolution of plasma progesterone at the end of pregnancy, of ewe bearing a **hypophysectomised** *fetus.* Effect of dexamethasone administration. 024051
Pathogenesis of *fetal* **infection** in ruminants [Cattle]. 024470
Local and systemic immune responses following oral immunization of *foetal* **lambs.** 024531
Enzymes of glycerolipid synthesis in small-intestinal muscosa of *foetal* and **neonatal** guinea pigs. 023277
Swine physiopathology: *Fetal* and **newborn** immunity. 2. 024709
Passiflora *foetida,* a widespread host of passionfruit woodiness virus in Queensland. 028157
Androgens in testes and adrenal glands of the *fetal* **pig.** 024133
An exploratory ultrasonic study on **quantitative** *foetal* kinesis in the horse. 023247
Hematocrit of the *fetal* **rabbit** placenta. 023215
Central and peripheral neural respiratory activity in the mature **sheep** *foetus* and newborn lamb. 023649
Pituitary and adrenal function in *foetal* **sheep** during the latter half of gestation. 024107
The occurrence of hydroxyindole-O-methyltransferase activity in *fetal* **sheep** pineal tissue and its relationship to preparturient endocrine changes. 024130
Modification of respiratory center output in the **unanesthetized** *fetal* sheep "in utero". 023466
Bovine abortion and low fertility caused by Campylobacter fetus subsp. *fetus* **(Vibrio** fetus var. Venerealis), a first case in Japan. 024486
Carcinogenicity of the food additive furylfuramide in *foetal* and **young** mice. 021954

FEVER
Avian *febrile* response [pigeons]. 023545
Lipid A *fever* in **cats** [Produced by the endotoxin of Shigella dysenteriae]. 024612
Attenuated vaccines against bovine **ephemeral** *fever.* 024430
Mid-piece abnormalities in bovine semen following experimental and natural cases of bovine **ephemeral** *fever* [a viral disease of cattle]. 024476
Rolling round bottle culture of HmLu-1 cells and the production of bovine **ephemeral** *fever* virus. 024657
Swine-fever in 1974. 024697
Milk *fever* is a constant threat [Dairy cattle]. 024833
Clinical response and apparent breed resistance in bovine **petechial** *fever.* 024738
Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against **swine** *fever* and a modified live virus of MD-BVD. 024409

FIBERBOARD
Diffusion of regain in bulk wool. 9. Restrictive influence of a *cardboard* **container.** 022696
Feasibility study on freezing and handling fresh hams in **corrugated** *fiberboard* pallet bins. 022645
Compressive properties of linerboard as related to **corrugated** *fiberboard* containers: a theoretical model. 025504
Effects of resin and shape of fiber on physical **property** of *dry-fiberboard.* 025416

FIBERS
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and **Allied** *Fibres,* tenth session; Rome, 21-23 May 1975. The statistical situation. 021662
Incombustibility of fire-retardant *[fiber]* **boards** made of pulp sludge and perlite. 025430
Displacement washing of packed beds of **cellulose** *fibres.* 1. Mathematical model. 025484
Chronic *fibrous* teat end lesions of lactating dairy cows. 024823
Characterization of *fibrous* **compound** of golgi vesicles in tapetal cells of Delphinium. 026053
Static hysteresis in compressed wood of birch in relation to **compression** along the *fibers.* 025410
Surface properties of **cotton** *fibers.* 022761
Types of fruit-bearing branches and fruit stalks [in *fine-fiber* **cotton**]. 026036
The nutrient and irrigation regime of *fine-fiber* **cotton.** 027439
The effect of concentrated fertilizers on the quality of [**cotton**] *fiber.* 030492
Irrigation of *fine-fiber* **cotton** in the Surkhan-Sherabad Valley. 030675
The irrigation regime of *fine-fiber* **cotton.** 030684
Enzymatic determination of the indigestible residue **(dietary** *fibre)* content of human food. 022146
The reproduction of *fiber* **flax** hybrids grown under artificial light. 026274
The experience of organizing seed production [of cereals, lupine, *fiber* **flax** and potatoes]. 027515
"Pasmo" disease of *fiber* **flax** [Septoria linicola, control]. 028114
The mechanization of **harvesting** *fine-fiber* varieties of cotton. 030072
High *crude-fiber* rations for finishing cattle. 023719
Cottage cheese whey ultrafiltrate produced by **hollow** *fiber* ultrafiltration. 022591
Action of alkalis on **keratinic** *fibers* in relation to morphological structure. 1. Action of alkalis on the disulfide bridge of cystine in relation to morphological structure [Wool]. 022660
Cuticular and cortical modifications of **keratinic** *fibers* from reaction with methylamine. 022661
Action of alkaloids on **keratinic** *fibers* in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, dog hair]. 022767
Fiber **length** measurement—an accurate inexpensive technique. 025508
Detection of **mineral** *fibers* in beer. 021854
Experimental investigation of *fiber* **movement** in the displacement section of a staple cutting machine. 022771
Correlation between ultrastructure and histochemistry of mammalian intrafusal **muscle** *fibres* [Cats, rabbits, rats]. 023548
Microscopic methods for the identification and qualification of textile fibers. I. **Natural** *fibers.* 022518
Vasomotor inhibition in rabbits by vagal **nonmedullated** *fibers* from cardiopulmonary area. 023228
Effects of severe energy and protein deficiencies on the *fibres* and **nuclei** in skeletal muscle of pigs. 024828
Retention of fillers by **papermaking** *fibers.* 025267
Effects of resin and shape of *fiber* on **physical** property of dry-fiberboard. 025416
The influence of wood and *fiber* **properties** on kraft converting-paper quality [Tsuga heterophylla]. 025512
Stability of myofibrillar EDTA-ATPase [ethylendiamine tetraacetic **acid-adeninetriphosphatase**] in rabbit **psoas** *fiber* bundles [Meat quality]. 022664
Interaction between surface active substances and **pulp** *fibers.* 025487
Sheet forming on paper machines. II. *Fiber* **retention** and sheet formation. 025268
Receptive fields of cat **taste** *fibers.* 023371
World situation in **textile** *fibers.* 021794
Microscopic methods for the identification and qualification of **textile** *fibers.* I. Natural fibers. 022518
Surface characteristics of *fibers* and **textiles.** I. 022429
Effect of **wheat** *fiber* on blood lipids, fecal steroid excretion and serum iron [in human nutrition]. 021999
Dimensions of **wood** *fibers* and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of clone I-214 [Populus euramericana]. 025244
Surface properties of **wool** *fibers.* 022654

FIBRILS
Electrostatic side chain complementarity in [steerskin] **collagen** *fibrils.* 023533
The effect of anoxia on the **ventricular** *fibrillation* threshold in the rabbit isolated heart. 023330

FIBRIN
Fibrin **membrane** endowed with biological function. II. Chloroplast adenosine triphosphatase embedded in fibrin membrane. 026394

FIBRINOGEN
Antigenic structure of the cyanogen bromide peptide F-CB3 from [bovine] *fibrinogen* **alpha-chain.** 023391
A cold **precipitable** *fibrinogen* complex in the plasma of cattle dying from infection with Babesia argentina. 024787

FIBROBLASTS
Activation of prolyl hydroxylase in *fibroblasts* by **ascorbic** acid. 022015
Selective inhibition of the facilitated mode of sugar uptake by cytochalasin B in cultured **chick** *fibroblasts.* 023401
Changes in lectin-induced deoxyribonucleic acid synthesis in cultures of **chick-embryo** *fibroblasts* at various stages of development. 023274
Ascorbic acid and collagen synthesis in **cultured** *fibroblasts.* 022020
The behavior of *fibroblasts* from the **developing** avian cornea. Morphology and movement in situ and in vitro [Chick embryos]. 023499
Regulation of sugar transport in chick **embryo** *fibroblasts* infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
Studies on propagation and cytopathogenicity of fowl pox virus (Beaudette strain) on chicken **embryo** *fibroblasts.* 024568
Ascorbic-2-sulfate metabolism by **human** *fibroblasts.* 022024

FIBROMA
A note on *fibroma* of **esophagus** associated with Spirocerca lupi in a dog. 024559

FIBROSARCOMA
Retropharyngeal *fibrosarcoma* in a dog. 024873

FICUS
Hendersonula toruloidea associated with a serious wilt disease of shade trees *[Ficus* **benghalensis**] in the Sudan. 028068
Ficus in the **New** Hebrides. 025789

FIGS
Alma, a **new** *fig* for Texas [Varieties]. 027795

FILAMENTS
Organization of an **actin** *filament-membrane* complex. Filament polarity and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. 023497
Interferometric measurements of dry mass content in nuclei and cytoplasm in the life cycle of **antheridial** *filaments* cells of Chara vulgaris L. [Algae] in their successive developmental stages. 026334
Cytoplasmic *filaments* and their assembly into bundles in Physarum [polycephalum] plasmodium [Fungi]. 026055
Filament **formation** in vitro of a sieve tube protein from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. 027276
Intracytoplasmic *filaments* in pulmonary lymphatic endothelial cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360
Organization of an actin filament-membrane complex. *Filament* **polarity** and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. 023497

FILARIA
Pathogenicity for cattle of **Dictyocaulus** *filaria,* the pathogen of lungworm infestation in sheep. 024772

FILARIASIS
Epidemiological studies on **Malayan** *filariasis* in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the bionomics of the vector [Brugia malayi, Anopheles sinensis]. 029039
A *filarial* **parasite** in greyhounds in Southern Ireland [Dogs]. 024750

FILLERS
Retention of *fillers* by **papermaking** fibers. 025267
Graft copolymers of dextrin and polyacrylamide as *filler* **retention** aids [Production of filled bond paper]. 025486

Utilization of the heat-treated bark as a *filler* of **wood** adhesives. 025431

FILMS

The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on *films* **containing** condensed or swollenchicken erythrocyte nuclei. 023528
The effect of selected **plastic** *films* and chemical dips on the shelflife of Marmande tomatoes. 022942
Forest **Service** *films* available on loan for educational purposes to schools, civic groups, churches, television. 025028
Kinetic studies of the tryptophan triplet state in **solid** *film* and in wool keratin. 022697

FILTERS

The K 30 T Heylo oil **air** *filter* [for drying cereals]. 030045
Filters with a **floating** charge for purifying water in farm water supplies. 030745
The new breed of **grease** *filters.* 022320
A sensitive method of glycogen determination in the presence of interfering substances utilizing the *filter-paper* **technique** [Aspergillus niger, fungi]. 026363

FILTRATES

Studies on the improvement of bovine tuberculin. 1. Sensitivity and specificity of PPD's prepared from low-heated **culture** *filtrate* and cytoplasm of Mycobacterium bovis. 024696

FILTRATION

Cottage cheese whey ultrafiltrate produced by hollow **fiber** *ultrafiltration.* 022591
Study of the nature of *filtration* **flow** instability in peat soils. 030294
Use of *ultrafiltration* and **hyperfiltration** (RO) [reverse osmosis] as preconcentration and purification steps in the food industry. 022471
Improvement of *filtration* of **juice** of first saturation [Sugar manufacture]. 022823
Color removal from kraft effluent by *ultrafiltration* with **new** polymeric membranes [Pollution]. 030968
The cleaning of **tubular** *ultrafiltration* membranes [of whey]. 022576
Mathematical description of the process of *filtration* during **vertical** percolation [Wood hydrolisis]. 025312

FINANCE

Financial **aspects** of [beef cattle] feedlot management in New Zealand. 021428
U.S. Agricultural trade with Canada, *fiscal* 1975: **exports** rise, imports decline. 021505
U.S. Dairy trade deficit reduced in *fiscal* 1975 as **exports** gain and imports decline [Statistics]. 021515
Cash flow on the dairy **farm** *[Finances].* 021367
Shares instead of cattle? [**Farm** *finance].* 021386
Japan's market demand and competition in *fiscal* 1975. 021495
Leading markets for U.S. Agricultural exports in *fiscal* 1975. 021497
U.S. Agricultural exports may total $22 billion in *fiscal* 1976. 021501
U.S. Agricultural trade with Mexico, *fiscal* 1975. 021502
U.S. Agricultural exports to Iran up dramatically in *fiscal* 1975. 021503
U.S.-People's Republic of China agricultural trade in *fiscal* 1975. 021510
Value of U.S. Agricultural exports expected to be lower in *fiscal* 1976. 021511
For wood products firms: the use of *financial* **indicators.** 025284
Beef [cattle] feedlotting—a discussion paper *[Financial* **management].** 021314
Financial **management**—cost analysis in poultry industry. 021366
Ways of increasing the efficiency of **primary** *funds* on rice-growing farms. 021453
Financing **proposals** for the future [New Zealand Dairy Farm system]. 021379
A *financial* **return** program for forestry investments including sensitivity of results to data errors. 025073
Financing **small** poultry farmers. 021397
U.S. Imports of fruits and vegetables under quarantine, *fiscal* 1975 **[Statistics].** 021508

FINES

The *fine* **art** of communicating. 022286
The effect of residue moisture in wilted leaves on quality indices of *fine* **black** tea. 022541
Types of fruit-bearing branches and fruit stalks [in *fine-fiber* **cotton].** 026036
Effect of copper on root cell elongation and germinability of seeds of *fine-fibered* **cotton.** 026971
The nutrient and irrigation regime of *fine-fiber* **cotton.** 027439
Irrigation of *fine-fiber* **cotton** in the Surkhan-Sherabad Valley. 030675
The irrigation regime of *fine-fiber* **cotton.** 030684
Fine **genetic** structure of the 2D3-2F5 region of the X-chromosome of Drosophila melanogaster. 029446
The mechanization of **harvesting** *fine-fiber* varieties of cotton. 030072
Critical point drying of *fines* from **mechanical** pulps. 025483
Mineralogical study of the *fine* **sands** from the western fringe of Haryana. 030223
Fine **structural** demonstration of acid phosphatase in rabbit germinal epithelium prior to induced ovulation. 024055
A *fine* **structural** study of asexual stages of the murine coccidium Eimeria ferrisi Levine and Ivens 1965. 024788
Fine **structural** and cytochemical analysis of phragmosomes (microbodies) during cytokinesis in Allium [sativum] root tipcells [Onions]. 026058
The *fine* **structure** of mast cells in the normal bovine mammary gland. 023233
On the *fine* **structure** of salivary glands of goat and dog. I. Parotid gland. 023346
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. *Fine* **structure** and reaction after heavy meromyosin incubation [Rabbits]. 023360
Fine **structure** of boar sperm abnormality: hairpin curved sperm. 024104
Fine **structure** of Encephalitozoon cuniculi from rabbits, mice and hamsters. 024613
Fine **structure** of the macroconidia of Fusarium solani [Fungi]. 025979
Fine **structure** of the macroconidia of Fusarium solani [Fungi]. 025980
The *fine* **structure** of conidial development in the genus Torula. I. Torula herbarum (Pers.) Link ex S. F. Gray and Torula herbarum f. quaternella Sacc. [Yeasts]. 025996
Fine **structure** of the yeast cell accompanied by changing the growth phase [Saccharomyces cerevisiae]. 026010
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. I. Production of gametes and their *fine* **structure.** 026019
Observations with cytochemistry and ultracryotomy on the *fine* **structure** of the expanding walls in actively elongating plant cells [Mung beans, pea, celery]. 026024
Fine **structure** dynamics of the prometaphase spindle [Haemanthus katherinae, Haemanthus albiflos]. 026031
Action of Econazol on the *fine* **structure** of cells of Trichophyton rubrum [Fungi]. 026039
Postgenital carpel fusion in Catharanthus roseus. II. *Fine* **structure** of the epidermis before fusion. 026061
Postgenital carpel fusion in Catharanthus roseus. III. *Fine* **structure** of the epidermis during and after fusion. 026062
Fine **structure** of vas deferens wall in the mite, Pergamasusviator Halas, (Mesostigmata, Parasitidae). 029191
Fine **structure** of the clypeal gland of male spiders belonging to the genus Argyrodes [gibbosus] (Theridiidae). 029266
Development of Farmincystis tribolii Weiser (Sporozoa, Neogregarinida) in Palembus ocularis Casey (Coleoptera, Tenebrionidae) and some observations on its *fine* **structure.** 029485
The **surface** *fine* structure of the bovine subcommissural organ. 023366

FINISHES

Purdue research applied to *finishing* **beef** cattle. 023738
High crude-fiber rations for *finishing* **cattle.** 023719
Intensive *finishing* of Blackface Hill lambs—current outlook [Returns]. 021389
Level of lysine in corn-soybean **meal** *growing-finishing* [swine] rations. 023894
Effects of soybean oil meal as the whole source of protein on rate of gain and feed efficiency of growing and *finishing* **pigs.** 023836
High moisture, acid-treated opaque-2, waxy and dent corn rations for *growing-finishing* **pigs.** 023893
Utilization of inorganic sulfur by *growing-finishing* **pigs.** 023904
Effect on subsequent feedlot performance of rotating or withdrawing dietary antibiotics from swine growing and *finishing* **rations.** 023762
Comparative study of rations containing glutinous broken rice and non-glutinous broken rice in **swine** *growing-finishing* rations. 023835
Some notes on using low level of good grade-fishmeal with non-glutinous broken rice and glutinous broken rice in **swine** *growing-finishing* rations. 023843
Dietary vitamin E level, performance, tissue selenium and selenium balance in *growing-finishing* **swine.** 023889
Extruded soybeans for *growing-finishing* **swine.** 023892

FIORINIA

The horii-group of *Fiorinia* **associated** with rhododendrons in East Asia (Homoptera: Coccoidea: Diaspididae) [New taxa]. 029599

FIRE

Preliminary investigation on the effects of mirex and its derivatives on adenosine triphosphatase activities from *fire* **ants** [Solenopsis richteri]. 029021
Prohibiting the clearing of the forest cutover **area** by *fire.* 025136
How the rural **community** *fire* protection program can help you. 029936
Incombustibility of *fire-retardant* **[fiber]** boards made of pulp sludge and perlite. 025430
Aircraft in the control of **forest** *fires.* 025033
Gain and loss of moisture in large forest *[fire]* **fuels.** 025064
Xanthene dye-sensitized photooxidation in the black **imported** *fire* ant, Solenopsis richteri. 028646
Major and trace element analysis in red **imported** *fire* ant [Solenopsis invicta] queens by ion induced X-ray fluorescence. 029357
Particulate source strength determination for low-intensity **prescribed** *fires* [Air pollution, forests]. 025196
An attempt (and failure) to correlate duff removal and **slash** *fire* heat [Broadcast burning, Pseudotsuga menziesii, Larix]. 025252
Occurrence and phenomenon of natural and *fire-induced* **soil** water repellency. 030367
An aid to streamlining [forest] *fire-weather* **station** networks. 025065

FIREFLIES

Distasteful *fireflies* [Photinus umbratus] sometimes emetic, but not lethal [to fence lizards and skinks]. 029356
Ultrastructure of the **larval** *firefly* light organ as related to control of light emission [Photuris pennsylvanica]. 029295
Pseudoscorpions [Paratemnus elongatus] phoretic on *fireflies* **[Photruis].** II. 029358

FIREPROOFING

Surface flammability of *fireproofing* **plywood** in the 8-foot tunnel furnace. 3. 021932

FIRS

Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and *Douglas-fir* **[Abies** grandis, Pseudotsuga menziesii] trees. 028962
Recent experimental investigations on the **Apennine** *fir* [Abies, taxonomy]. 025706
Yield and improvement experiments of **Douglas** *fir* in Hungary [Pseudotsuga menziesii]. 025187
A review of **Douglas** *fir* [Pseudotsuga menziesii] in New Zealand. 025217
On fructification of blue **Douglas** *fir* [Pseudotsuga glauca] in forest-ranger district Perisor-Dolj. 025231
New microfungi on coastal **Douglas** *fir* [Pseudotsuga menziesii, Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, Phomopsis porteri]. 025663
Measure of active germination of **Douglas** *fir* Pseudotsuga menziesii (Mirb.) Franco. 027306
Swiss needle [Phaeocryptopus gaeumannii] cast of **Douglas** *fir* [Pseudotsuga menziesii]. 027873
Initial weed control in **Douglas** *fir* [Pseudotsuga menziesii] nursery beds at Rangiora. 028532
Coating and impregnating with endrin protects field-sown **Douglas** *fir* [Pseudotsuga menziesii] seed. 028952
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on **grand** *fir* and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962
Investigations on the timber quality of **silver** *fir* [Abies] and Norway spruce [Picea abies] from selection stands. 025296
Biological cycle of chemical elements in Central **Taiga** *fir* forests [Forest litter, soil humus]. 030284
Evaluating damage caused to a campground by *Douglas-fir* **tussock** moth [Orgyia pseudotsugata, Abies concolor]. 028960

FISCAL *see* **FINANCE**

FISH

Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic **acid** *fish* meal extracts. 022521
Inactivation of rabbit, pig, and *carp* **adenylate** kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298
Long-term effects of [the avian frightening agent] 4-aminopyridine exposure to **birds** and *fish.* 029142
Acute toxicity of pesticide mixtures to **bluegills** *[Fish].* 029083
Observations with respect to possible standards for the quality of **canned** *sardines.* 021853
The Utah Mosquito **Control**—*Fish* and Wildlife Management Coordination Committee. 029068
The effects of salt treatment of *fish* on the **developmental** biology of Dermestes maculatus (Coleoptera, Dermestidae) and Necrobia rufipes (Cleridae). 028974
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a radial temperature gradient **[Dried** *fish* pest]. 028973
Metabolizable energy of **feedstuffs** for *trout.* 023058
Effects of betel nut and **fermented** *fish* on the thiamin status of northeastern Thais. 022000
Determination of peptides in *fish* and **fish** products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid fish meal extracts. 022521
Fishery inspection: taking the **fishiness** out of *fish.* 022257
Bacterial infection/invasion in *fish* **flesh** [and post mortem storage properties of the fish]. 021931
A method for the estimation of methylmercuric compounds in **[food]** *fish.* 021905
Dieldrin and DDT: accumulation from water and food by **lake** *trout* (Salvelinus namaycush) in the laboratory. 029155
Influence of washing on the shelf **life** of *cod.* 022536
Furanoid fatty acids from *fish* **lipids.** 022516
Biological aquatic weed control by *fish* in the **lower** Sonoran Desert of California. 028501
Improved acceptance and shelf life of frozen **minced** *fish* with shrimp. 022500
Aldrin and dieldrin uptake in insecticide-resistant and susceptible **mosquitofish** *(Gambusia* affinis). 029085
Endrin uptake in insecticide-resistant and susceptible **mosquitofish** *(Gambusia* affinis). 029107
Change in permeability of erythrocyte membranes in rodents caused by *cod-liver* **oil,** vitamin E, and fatty acids [Gerbils, rats]. 022133

Determination of peptides in fish and *fish* **products.** II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid fish meal extracts. 022521
Bacterial infection/invasion in fish flesh [and post mortem storage **properties** of the *fish].* 021931
Studies on the enzyme system of carbohydrate metabolism in *fish.* III. **Properties** of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022411
Studies on the enzyme system of carbohydrate metabolism in *fish.* II. **Purification** of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022410
Measuring changes that occur during frozen storage of *fish:* a **review.** 022502
Nutrient requirements of *fish*—a **review.** 023823
The behaviour of mercury in the **system** *water-fish.* 030815
Structure and function of the respiratory epithelium in the **tracheal** *gills* of stonefly larvae [Perla, Protonemura, Taeniopteryx]. 029419
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by *fish* from **water** and througha model food chain. 030881
Influence of [soy, *fish,* **yeast**] protein supplements on growth of Staphylococcus aureus and production of enterotoxins. 021926

FISHERIES
Fishery **inspection:** taking the fishiness out of fish. 022257
Mechanism of the transition of actomyosin to beta-structure upon hot air dehydration *[Fishery* **products].** 022406
Studies on ATPase [adenosine triphosphatase] activity of actomyosin of squid mantle muscle *[Fishery* **products].** 022408

FISHMEAL
Some notes on using low level of good *grade-fishmeal* with **non-glutinous** broken rice and glutinous broken rice in swine growing-finishing rations. 023843

FISSION
Turnover of polyadenylated messenger RNA in *fission* **yeast** [Schizosaccharomyces pombe]. Evidence for the control of protein synthesis at the translational level. 026148
The effect of 8-hydroxyquinoline on enzyme synthesis in the *fission* **yeast** Schizosaccharomyces pombe. 026556

FISTULA
Simplified method for producing permanent **ruminal** *fistulae* [Sheep, cattle]. 024321
Surgical repair of a *fistula* of the **urethral** diverticulum in a horse. 024932

FIXATION
Effect of the sequence of addition of potassium and ammonium and preadsorbed cations on *fixation* of **applied** ammonium ions in soils. 030239
Fixation of **boron** in relation to certain soil properties. 030242
Suaeda monoica, a C4 **[carbon** *fixation* pathway] plant without typical bundle sheaths. 026793
Further studies of foot-and-mouth disease virus strains under type group (A) by **complement** *fixation* test in Iran [Cattle]. 024548
Indirect **complement** *fixation* in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth disease viral antigens.). 024674
The avian erythrocyte: a study of *fixation* for **electron** microscopy. 023530
Cytological, cytochemical and histoautoradiographic study of viscum album L. (Loranthaceae). I. The seed, its germination and means of *fixation* on the **host.** 026066
Notes on the *fixation* **methods** of apterygota insects for electron microscopy. 029445
A **microtiter** *complement-fixation* test for detecting and differentiating Newcastle disease virus strains. 024434
The initial organic products of *fixation* of 13N **[nitrogen** isotope]-labeled nitrogen gas by the blue-green alga Anabaena cylindrica. 026395
Effects of light intensity and temperature on **nitrogen** *fixation* by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427
Effect of altered pO2 [oxygen 1 percentage] in the aerial part of soybean on symbiotic N2 **[nitrogen]** *fixation.* 027019
Influence of zinc on symbiotic **nitrogen** *fixation* by soybean (Glycine max Linn.) in silt loam soil. 030222
Investigations on the ecology and physiology of the marine blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C *[carbon]-fixation* under **osmoregulatoric** conditions. 026862
The breeding of nonleguminous plants for the development in them of **symbiotic** *fixation* of atmospheric nitrogen. 026264

FLAGELLATE
Sense organs on the **antennal** *flagellum* of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, Bittacus chlorostigma]. 029387
Identification and *flagellation* of **coryneform** bacteria from poultry litter. 024497
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. II. *Flagellar* **membranes** and the agglutination reaction. 026199
Mating in Chlamydomonas: a system for the study of specificcell adhesion. II. A **radioactive** *flagella-binding* assay forquantitation of adhesion [Algae]. 026021
Mating in Chlamydomonas: a system for the study of specificcell adhesion. I. Ultrastructual and electrophoretic analyses of *flagellar* **surface** components involved in. 026020

FLAMES
Improved **durable** *flame* retardancy of polyester/cotton blends. 021975

FLAMMABILITY *see* **INFLAMMABILITY**

FLARES
Controversy *flares* over Canada's grain "Crow Rate". 021527

FLATLANDS
Algae of rhizosphere of indicator plants from certain plant associations of southwestern **Turkmenistan** *flatlands.* 025908

FLAVANONES
Flavanones and **dihydroflavonols.** 026571
Some *flavanones* and **flavanonols** of the heartwood of Larix dahurica. 025278

FLAVINES
Flavin as an **active** component of the photoreversible pigment system of the green alga Protosiphon botryoides Klebs. 026697
Microbody of methanol-grown yeasts [Saccharomyces cerevisiae]. Localization of catalase and *flavin-dependent* **alcohol** oxidase in the isolated microbody. 026554
Inter-and intramolecular effects of tyrosyl residues on *flavin* **triplets** and radicals as investigated by flash photolysis [Flavoproteins]. 022195

FLAVONES
Flavones and other **compounds** of Boehmeria tricuspis and Boehmeria holosericea. 026734
Flavones. 026573
Flavone and **flavonol** glycosides. 026572
A **new** *flavone* glycoside from Campanula patula. 026465

FLAVONOIDS
Biosynthesis of *flavonoids.* 026568
Flavonoid and **ceroptin** pigments from frond exudates of Pityrogramma triangularis. 026735
The role of phenylalanine in the biosynthesis of *flavonoids* and **cinnamic** acids in the twining stems of Periploca graeca. 026769
Flavonoids of **Cirsium** heterophyllum. 026475
Flavonoids from **Cochlospermum** gillivraei. 026736
Evolution of *flavonoid* **compounds.** 025701
Flavonoids in the **flowers** of Gnaphalium affine D. Don. 026340
Flavonoids **fom** the birdsfoot trefoil seeds (Lotus corniculatus L.). 026875
Studies on the constituents of Lindera erythrocarpa Makino. I. *Flavonoids* from the **fruits.** 026659
Physiology and **functions** of *flavonoids.* 026580
Investigations on *flavonoid* **glycosides** in a variety of botanical groups: luteolin 7-glucoside and diosmin in Lonicera (Caprifoliaceae). 026437
Flavonoids of **Glycyrrhiza** glabra. 026476
Metabolism of *flavonoids* [in **higher** plants and microorganisms]. 026577
Increased sensitivity to pentobarbital in rats fed a diet **lacking** *flavonoids.* 022084
Flavonoids of the **leaves** of [olive] Olea europaea. 027160
Flavonoid **localization** in epidermal papillae of flower petals: a specialized adaptation for ultraviolet absorption. 026831
Flavonoids of the **main** stems of Periploca graeca grown in controlled environment. 026737
Flavonoids from **Passiflora** incarnata. 027159
Chemical constituents of Choisya ternata Kunth. *Flavonoids* of the **petals.** 026781
Flavonoids of **Sarothamnus** patens (L.) Webb, nature and repartition. 026436
Flavonoids of **Senecio** subdentatus. II. 026477
Mass **spectrometry** of *flavonoids.* 026576
Ultraviolet-visible and proton magnetic resonance **spectroscopy** of *flavonoids.* 026584
Synthesis of *flavonoids.* 026581
The biochemical **systematics** of *flavonoids.* 025702
Isolation **techniques** for *flavonoids.* 026575
Flavonoids from **Tephrosia** [multijuga]. IX. The structure of multijugin and multijuginol. 026842
Flavonoids of the **vegetative** stems of Periploca graeca. 026738

FLAVONOLS
Flavonols. 026574
Flavone and *flavonol* **glycosides.** 026572
Flavonol **methyl** ethers from Chrysothamnus viscidiflorus. 026739

FLAVOPROTEINS
Inter-and intramolecular effects of tyrosyl residues on flavin triplets and radicals as investigated by flash **photolysis** *[Flavoproteins].* 022195

FLAVOR
Chemical composition of Angelica [archangelica] root oil *[Flavors* for **alcoholic** beverages]. 022368
Gas chromatographic determination of diols and glycerol in *flavor* **bases** and flavored wines. 022923
Assessment for establishing the perceptibility of the **basic** *flavors* [in food grading]. 021851
Progress towards an international system of **beer** *flavor* terminology [Quality]. 021974
Determination of **beer** *flavor* compounds by high pressure liquid chromatography. IV. nucleotides. 022546
The use of synthetic (plus/minus)-S-1-propyl-L-cysteine sulphoxide and of alliinase preparations in studies of *flavour* **changes** resulting from processing of onion (Allium cepa L.). 022953
Cheddar **cheese** *flavor;* a review of current progress. 022589
Identification and evaluation of the *flavor-significant* **components** of ginger essential oil. 022419
Contribution of nitrite and nitrate to the colour and *flavour* of **cured** meats. 022685
Synthesis and flavor properties of some alkyl-substituted alpha-pyrone derivatives **[Food** *flavorings].* 022116
Process conditions for **improved** *flavor* quality of freeze dried foods. 022484
Chemical changes associated with *flavor* in **irradiated** meat. 022663
Studies on the *flavor* of **"Katsuobushi"** [seafood]. VI. Isolation of isoeugenol. 022409
A review of thermally produced imitation **meat** *flavors.* 022662
Create super sandwiches with ingenuity, convenience items and **new** *flavor* combinations. 022306
Identification of a nitrogenous heterocyclic compound responsible for a **potato-like** *off-flavour* in Gruyere de Comte cheese. 021939
Synthesis and *flavor* **properties** of some alkyl-substituted alpha-pyrone derivatives [Food flavorings]. 022116
Effect of a protected lipid supplement on *flavor* **properties** of beef. 022676
Flavor **secrets** from foreign lands - Cuba. 022356
Flavor **secrets** from foreign lands: Korea. 022357
Updating **sherbet** *flavors.* 022566
Effect of sodium alkalis and salts on pH [hydrogen-ion concentration] and *flavor* of **soymilk** [Soybeans]. 022783
Flavor and **stability** of dehydrated potato products. 022917
A rapid spectrophotometric method of determination of thiopropanal S-oxide (lachrymator) in onion (Allium cepa L.) and its significance in *flavour* **studies.** 022946
Carbonyl-propylene glycol interactions in [cherry] *flavor* **systems.** 022497
Volatile *flavour* components of watercress. 022954
Production of *flavor* **volatiles** in enzyme and substrate enriched peanut homogenates. 022785
Gas chromatographic determination of diols and glycerol in flavor bases and *flavored* **wines.** 022923

FLAX
Better organization for drying of *flax* **bolls** [Mechanization, linseeds]. 030154
RNA profiles and nucelotide composition of *flax* **callus** and suspension cultures. 026907
Combine harvesting of seed **crops** of *flax.* 027508
The reproduction of **fiber** *flax* hybrids grown under artificial light. 026274
The experience of organizing seed production [of cereals, lupine, **fiber** *flax* and potatoes]. 027515
"Pasmo" disease of **fiber** *flax* [Septoria linicola, control]. 028114
Principles of the most effective use of **herbicides** in *flax.* 028590
Anthocyanin inheritance in petals of *flax,* **Linum** usitatissimum. 026230
Flax **production** in Manitoba. 027478
Influence of basic parameters of hackling machine operation on the efficiency of **scutched** *flax* hackling process. 022772

FLAXSEED
World *flaxseed* production and exports. 021644

FLEAS
Use of quill comb in the diagnosis of ectoparasites *[Fleas,* **lice,** Cheyletiella and forage mites, animals]. 029075
A guide to the control of external parasites of poultry [Lice, mites, **ticks,** *fleas].* 029072

FLEECE
A comparative study of [sheep] body form, live and *fleece* **weights** of the Kivircik and different Texel crossbreds at Inanli Animal Breeding Research Station. 024110
Chemical control of *fleece* **wool** and sheep dip micro-organisms. 022694

FLESHFLIES
The taste pore of the *fleshfly* **[Boetticherisca** peregrina] labellar hair. 029402
Neuromuscular junctions and L-glutamate-sensitive sites in the *fleshfly* **Sarcophaga** bullata. 029415

FLEXURE
A case of true **dorsal** *flexion* of the head in a foal. 024318

FLIES

Visual stimuli eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) *flies* to **[apple]** trees. 028841
Ameliorating doses of *fly* **ash** in the soil-plant system. 030613
Study on timing application of some insecticides for control of **bean** *fly* (Melanagromyza phaseoli Coq.). 028888
Effects of insect developmental inhibitors on adult emergence of **black** *flies* [Simulium vere-cundum] (Diptera: Simuliidae. II. 029002
Inversion polymorphism in natural populations of two species of **black** *flies* [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). 029493
Population biology of a **brine** *fly* [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant algal food. 029320
Continuing studies on the **brine** *flies* of the Great Salt Lake. 029479
Carrot *fly* [Psila rosae]. 028810
Dung burial activity and *fly* **control** potential of Onthophagus nuchicornis (Coleoptera: Scarabaeinae) in British Columbia. 028641
Evaluation of methoprene formulations for *fly* **control** [Musca autumnalis, Haematobia irritans]. 029026
Acoustically orienting parasitoids: *fly* **[Euphasiopteryx** ochracea] phonotaxis to cricket song [Gryllus integer]. 029489
New observations on *flies* of the **family** Tachinidae which parasitize Lepidoptera. 029487
Histochemical localization of trehalase activity in dorsal flight muscle of the **flesh** *fly* Sarcophaga bullata with lightand electron microscopy. 029403
Life tables for the **frit** *fly,* Oscinella frit, in reed canarygrass [Phalaris] in Virginia. 028710
Identification of a **fruit** *fly* [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. 026639
Susceptibility of diapausing pupae of the western cherry **fruit** *fly* [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Recapture of virgin female Caribbean **fruit** *flies* [Anastrepha suspensa] from traps baited with males. 028859
Oriental **fruit** *fly* [Dacus dorsalis]: thickened formulationsof methyl eugenol in spot applications for male annihilation. 028869
Mass marking techniques for European cherry **fruit** *fly,* Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. 028896
Effect of age upon fatty acid composition of adult caribbean **fruit** *flies,* Anastrepha suspensa. 029330
The **horn** *fly* [Haematobia irritans]: methoprene in drinking water of cattle for control. 029028
Influence of other insects on production of **horn** *fly,* Haematobia irritans (Diptera: Muscidae), from cattle dung in south central British Columbia. 029282
Synergism of resmethrin in the **house** *fly* [Musca domestica]. 029027
Record of **lunate** *fly,* Eumerus sp. (Syrphidae: Diptera) on potatoes from India. 028831
Gamma irradiation of the **melon** *fly* [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Melon *flies* [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with gamma irradiation in a nitrogen atmosphere. 028868
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in male annihilation of **melon** *fly* [Tested in a macadamia orchard]. 028873
Flies of the **Senckenberg** Museum. III. Pseudoxenos ropalidiae n. sp. (Insecta: Strepsiptera). 029690
Studies on the biology of sorghum **shoot** *flies,* Atherigona spp. (Muscidae: Diptera), and shoot fly-sorghum host plant relationships. 028799
The occurrence of a second genus of *spongilla-fly* **(Sisyra** vicaria (Walker)) at Clear Lake, Lake County, California. 029648
Effect of ground cover and pasture height on oviposition and establishment of **soldier** *fly* larvae [Inopus rubriceps]. 028778
Evaluation of carbofuran for the control of **soldier** *fly* [Inopus rubriceps] larvae in pasture. 028780
The effectiveness of insecticides seed dressings against **soldier** *fly* [Inopus rubriceps] larvae [Lolium perenne]. 028785
The use of phorate, AC 92/100 and chlormephos for the control of larval **soldier** *fly* [Inopus rubriceps] in maize. 028786
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of *flies* **treated** as pupae 2 days before eclosion or as 2-day-old adults. 028867
Estimation of saprobity according to the larval and pupal stages of *caddis-flies,* **Trichoptera.** 029367
Better chances in controlling sleeping sickness: radiation sterilization of **tsetse** *flies* [Glossina]. 029074
Ultrastructure of the perismpathetic organs of the **tsetse** *fly* Glossina fuscipes quanzenis (Muscidae). 029279
Genetic variation in some enzyme systems in the **tsetse** *fly* Glossina morsitans. 029333
The larval development of the **warble** *fly* Oestromyia leporina Pall. (Diptera, Hyodermatidae). 029077
Note on the incidence and control of the citrus **white** *fly,* Dialeurodes citri Ashmead (Aleurodidae: Homoptera) in Himachal Pradesh. 028860
The **winter** *fly* [Leptohylemyia coarctata], a pest of winter wheat in the German Democratic Republic. 028808

FLIGHTS

Effects of photoperiod and size on *flight* **activity** and oviposition in the eastern spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae). 029281
The influence of the air-current sense organs on the *flight* **behaviour** of Locusta migratoria. 029399
Cytochemistry of the **differentiating** *flight* muscles of the desert locust Schistocerca gregaria. 029366
Histochemical localization of trehalase activity in **dorsal** *flight* muscle of the flesh fly Sarcophaga bullata with lightand electron microscopy. 029403
First on the wind **[Insects,** *flight].* 029243
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the *flight* **muscle** of Antheraea polyphemus (Lepidoptera). II. Changes after motor nerve section. 029294
Seasonal *flight* and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory [Quercus, Carya] forest in Missouri. 029287

FLOCCULATION

Glycogen, a physiological determinant of yeast [Saccharomyces **carlsbergensis]** *flocculation?* 026454

FLOCKS

Testing and management of a specific pathogen free **chicken** *flock* with special reference to avian leukosis virus infections. 024400
Studies on establishment of SPF [specific pathogen free] **chicken** *flocks* and SPF egg production. 024691
Age at *flock* **maturity**—how important is it? [Chickens]. 024161

FLOODS

Experience on the transit of grain in a continuous dryer with *flooded* **air** channels. 022745
About **automatic** *flooding* of a centrifugal pump before launching [Drainage, irrigation]. 030120
Short term effects of prolonged **backwater** *flooding* on understory vegetation. 025888
The 1973 Mississippi River **basin** *flood:* compilation and analyses of meteorologic, streamflow, and sediment data. 030697
Persistence of gamma-BHC [lindane] and beta-BHC [benzene hexachloride] in Indian rice soils under *flooded* **conditions.** 028770
Impact of *floods* and **flood** management policy on area economic development and recovery. 030631
A Bayesian approach to analyzing uncertainty among *flood* **frequency** models. 030787
Impact of floods and *flood* **management** policy on area economic development and recovery. 030631
Application of fertilizers to different cabbage varieties in a *flood* **plain.** 030486
Resistance to flow in a combined channel **[Prediction** of *flood].* 030739
Implications of *floodwater-retarding* **structures.** 030736
Strength properties of *flooded* **timber** and its utilization for kraft pulp. 025541

FLOORS

Floor **care** supplies; what you should know about the three major types: chemicals, replaceable tools and machines. 022323
The **forest** *floor* [Ecology]. 025012
Animal influences on Japanese pine [Pinus] seeds of the **forest** *floor.* II. Seed input and output of seedling with seed coat. 025039
Studies on the rate of decay of wood litter on the [Quercus] **forest** *floor.* II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Dispersion of predatory **forest** *floor* arthropods. 029471
Decomposition of litter on **forest** *floor.* III. Decomposition of woods in subalpine forest. 030249
Fattening swine houses with **grill** *floors.* 029894
Results and knowledge obtained from **measuring** *floor* coverings for cattle. 029908
Is your *cage-floor* **raising** "seconds"? [Egg collection, shell damage]. 022730
Steady-state field of insulated slab with internal heat sources [Heating, insulating, concrete **slab** *floors].* 029971
Epiphysitis in beef cattle fattened on **slatted** *floors* [Lameness]. 024914
Slatted *floor* bays for young and fattening cattle. 029927

FLORA

Recent additions to the marine **algal** *flora* of Nahant, Massachusetts. 025813
Chromosome numbers of certain species of flowering plants in the *flora* of the **Aragats** Mountain Range [Cytotaxonomy]. 025690
The *flora* of **bacteria** in fermented sausages [Food contamination]. 022208
Total count and **bacterial** *flora* of minced meat with special reference to Enterobacteria and Pseudomonas. 021984
Bacterial *flora* of the nasal mucosa of the horse. II. Gram-positive bacteria. 024712
Serum cholesterol and **bowel** *flora* in the newborn [Escherichia coli, Lactobacilli]. 022008
Camellias of China; an excerpt from the New **Chinese** *Flora* [issued in Chinese by the Botanical Institute of the Chinese Academy]. 025580
Descriptive *flora* of the Nimba mountains. 3. [New taxa]. 025740
Descriptive *flora* of the Nimba mountains. 4. Descriptive inventory of the flora of the Nimba mountains (Ivory Coast, Guinea, Liberia). 4. [New taxa]. 025741
Geographical elements of the **Discomycetes** *flora* in the Kazakhstan part of the Altai. 025743
A heritage inverted: our *flora* **endangered** [Conservation program]. 025567
Flora **Europaea.** Notulae Systematicae ad Floram Europaeam spectantes. No. 17 [European Flora. Systematic Notes on European Flora. No. 17]. 025612
The phytogeographical relationships and origin of the New Hebrides **fern** *flora* [Pteridophyta]. 025792
Contributions to the *flora* of **Florida.** 9. Psychotria (Rubiaceae). 025668
Contributions to the *flora* of **Florida.** 7. Elephantopus, Pseudo-elephantopus (Compositae). 025669
The cedar **glade** *flora* of Bullitt County, Kentucky. 025676
Yield, composition and dynamics of *flora* in **grasslands** for hay. 027364
Yield, composition and dynamics of *flora* in **grasslands** for hay in Finland. 027365
The **hepatic** *flora* of Alberta: a phytogeographical analysis. 025666
Fluorescent light orchid culture: growing Paphiopedilums **ina** *Flora* Cart. 027704
Development and ecological significance of the avian **intestinal** *flora.* 023424
Vertical distribution of the natural and **introduced** *flora* on the central southwestern slope of Tenerife (with examples of vegetation types). 025749
Observations on the **lichen** *flora* and vegetation of the Canary Islands. 1. Ochrolechia szatalaensis Vers (Pertusariaceae). 025686
Location and management of Italian ryegrass **[Lolium** *multiflorum]* meadow. 027452
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions **[Lolium** *multiflorum].* 027459
New varieties of Dactylis [glomerata], meadow fescue [Festuca pratensis], and Italian ryegrass **[Lolium** *multiflorum* westerwoldicum] recommended for forage production. 027500
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass **[Lolium** *multiflorum]* grown on magnesium deficient soil. 030484
Additions and corrections to O. Eriksson, A. Hansen & P. Sunding: *"Flora* of **Macaronesia.** Checklist of vascular plants 1974". 025684
Development of liquid **manure** *flora* and its causes in the formation of plant species (use of root test to determine injuries from liquid manure) [Forage plants]. 028334
Flora of the **Marquesas.** 1. Ericaceae-Convolvulaceae. 025819
Microbial *flora* related to the alterations in Italian mortadellas (Bologna) [Sausages, contamination]. 021897
Mississippi *flora.* III. Distribution and identification of the Brassicaceae. 025672
A **moss** *flora* of Iraq [Bryophyta]. 025693
Miscellaneous notes on the **naturalized** *flora* of Japan. 025712
Second preliminary study of the **new** *flora* of Tyrol and Voralberg. 025849
Descriptive flora of the Nimba mountains. 4. Descriptive inventory of the *flora* of the **Nimba** mountains (Ivory Coast, Guinea, Liberia). 4. [New taxa]. 025741
The **phanerogamic** *flora* of the New Hebrides and its relationships. 025791
Plants from Madagascar. XV. Some Malagasy Chlaenaceae: Leptolaena pauciflora Baker, Leptolaena cavaco var. tampoketsensis and **Sarcolaena** *multiflora* Dup. Thou.: presence of myricetol heterosides. 026784
Investigations of the *flora* of the **Tatry** National Park. 025679
A comparison of potassium and chloride uptake by **Tradescantia** *albiflora* leaf cells at different KCl [potassium chloride] concentrations. 026387
Growth and productivity of representatives of North American **tree** *flora* on the Black Sea coast of the Caucasus. 025709
Studies in the Rubiaceae—Rubioideae for the *Flora* of **Tropical** East Africa. I. [New taxa]. 025737
The **vascular** *flora* and vegetation in the Green River Gorge, North Carolina. 025677
Flora and **vegetation** of the suthern region of the New Hebrides Archipelago. 025790

FLORIBUNDA *see* ROSES

FLORISTS

Retailing *florist* crops through mass merchandising outlets: Rochester, New York and Hartford, Connecticut. 022862

FLOTATION

Filters with a *floating* **charge** for purifying water in farm water supplies. 030745
Modified *flotation* method of determining alcohol in water solutions containing admixtures [Wood hydrolysis]. 025316

FLOUR

Hydrocarbon repellents isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: Tenebrionidae) *[Flour* **beetles.** 028967

Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, **confused** *flour* beetle, Attagenus piceus, black carpet beetle]. 028987

Prospects 1975-76 for *flour* and **feed** mills and macaroni industry [Consumption, outlook, statistics]. 021806

Development of bulk transort of *flour* in **France.** 022799

Red *flour* beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983

Quality of the 1975 [cereal] harvest and its influence on baking procedures of **trade** *flours.* 022803

Compositional difference of **wheat** *flour* glutens in relation to their aggregation behaviors. 022734

Tight crushing and air sifting of **wheat** *flour.* 022804

The amino acid sequence of purothionin A, a lethal toxic protein for brewer's yeasts [Saccharomyces cerevisiae] from **wheat** *[flour].* 026350

FLOWERING

The inhibition of *flowering* by **abscisic** acid in Sinapis alba L. 026865

Biological bases [growth, *flowering]* for **applied** biological control of winter rape. 027057

The *flowering* **biology** of Norway spruce [Picea abies]—an obstacle to a rational program for tree breeding? 027340

Flowering and **bulb** growth of Nerine bowdenii. 027076

The effects on growth and *flowering* of the **chemical** growth regulators ethephon on Narcissus and ancymidol on tulip. 027086

The influence of *flowering* **compounds** on 'Sugarloaf' pineapple (Ananas comosus (L.) Merr.) in Ghana. 027088

Studies on the possibility of **delaying** *flowering* of tulip. 027081

Cold requirements of tulips for **earliest** *flowering.* 027072

A night flowering fall Narcissus. Bulb formation and *flowering* **ecology** of Narcissus viridiflorus Schousboe. 027142

Flowering of **Euphorbia** flugens Karw. Ex Klotzsch and its variable sizes. 026423

The influence of duration of warm, cold-dry and cold-moist storage on development and *flowering* of **Freesia** plants. 027090

Effect of chilling temperature on the *flowering* and **fruiting** stage in the second rice crop. 026940

Effects of bending and ringing of branches [training method] on *flowering* and **fruiting** of ponkan (Citrus reticulata Blanco) trees. 027143

Influence of stage of development at planting on *flowering* and **fruiting** in tomato. 027610

Admission of N15 [nitrogen isotope] into the *flowering* **glumes** and separate parts of the caryopsis in wheat. 026946

Growing *flowering* annuals [Ornamental plants, culture]. 027755

The influence of temperature, daylength and light intensity on *flowering* in **Hydrangea** macrophylla (Thunb.) Ser. 027642

Annotated bibliography on photoperiodic control of *flowering* in **lettuce,** 1965-1974. 027284

Progress in the promotion of *flowering* in **lilies** [Lilium speciosumin varieties] by supplementary illumination. 027625

A **night** *flowering* fall Narcissus. Bulb formation and flowering ecology of Narcissus viridiflorus Schousboe. 027142

Double-flowered **ornamental** [Malus] crab apples: Cameron, Maybride and Prince Charming [cultivars]. 027723

Close relationships in sheath function during inflorescence and *flowering* **[Peperomia** caperata, Piper brevipedunculatum, Leucaena latisiliqua]. 026421

Chromosome numbers of certain species of *flowering* **plants** in the flora of the Aragats Mountain Range [Cytotaxonomy]. 025690

A review of the new classification systems of *flowering* **plants** (Angiospermatophyta, Magnoliophytina). 025829

Displacements and heterotopies in *flowering* **plants.** 025954

Isoenzyme polymorphism in *flowering* **plants.** V. The isoesterases of maize: tissue and substrate specificities, and responses to chemical inhibitors. 027053

Flowering, **pollination,** pollen collection and pollen germination in Fagus and Quercus species. 027342

An analysis of indoor **potted** *flowering* plant purchase behavior [Marketing]. 021473

Precocious *flowering* of citrus seedlings. 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the flower organs. 027100

Factors affecting *flowering* in **Regal** Pelargonium (Pelargonium x Domesticum Bail) [Temperature, light]. 027600

Growth and *flowering* **responses** of Lilium longiflorum to bulb and shoot light and temperature treatments. 027077

The effects of long days on the *flowering* of **spray** carnations [Dianthus caryophyllus varieties]. 027638

The influence of storage temperature and 2-chloroethylphosphonic acid (ethephon) on shoot elongation and *flowering* in **tulips.** 027091

FLOWERS

Alfalfa *flower* color associated with differential seed set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. 026887

Olfactory discrimination by honeybees [Apis mellifera] of terpenes identified from volatiles of **alfalfa** *flowers.* 029819

On the publication of van Tieghem's "Recherches sur la structure du pistil et sur l'anatomie comparee de la fleur" [Research on the pistil structure and comparative **anatomy** of the *flower].* 025572

Cactus [Cactaceae] *flowers* in the **Argentine** highlands. 025719

Berries, branches and bulbs *[Flower* **arrangement].** 027767

Studies on *floral* **biology** of Jamun (Java plum) [Myrtaceae] [Syzygium cuminii (L.) Skeels]. 027183

Flower-bud **blasting** in tulips [due to storage and greenhouse conditions]. 028302

Gametogenesis and pollination processes in Ornithopus pinnatus (Mill.) Druce in reference to *flower* **bud** development. 026333

Gibberellic acid [for producing early blooms of *Camellias]-flower* **bud** vs. vegetative bud. 027671

Crataegolic acid [2alpha-hydroxyoleanolic acid] and steroid glucosides from the *flower* **buds** of Syzygium aromaticum. 026731

Second international symposium on *flower* **bulbs,** Littlehampton-Skegness, 1-6 April 1974. 027627

Camellia *flower* blight —1975 [Sclerotinia camelliae]. 027894

Reduction of *flowers* as a **central** problem in the systematics of angiosperms. 025624

Studies on the constituents of *flowers.* IV. On the **components** of flower of Viburnum ditatatum Thunb. 026657

Hydrographically **conditioned** *floristic* and vegetation limits in Icelandic coastal waters [Algae]. 025878

A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its *blossom-end-rot* and **cracking** [Rhysiological disorders]. 027178

Plantwetting and evaporative cooling of greenhouse roses and other *flower* **crops.** 027623

Flower **crops** in peat substrates. 030399

'Onit'—to lengthen the life of **cut** *flowers* in the home. 022902

Breeding Narcissus for **cut** *flower* production [Varieties]. 026071

The pollination and set of the **early** *flowers* of runner bean (Phaseolus coccineus L.). 027205

Ferocacti **[Ferocactus]** for *flowers.* 027719

Photographic review of the developmental stages of *flower* **formation** in tulips, irises and lilies. 025932

Effects of exogenous supply of glucose or cycloheximide on nitrogen metabolism of cut Iris **germanica** L. *flowers.* 027226

Flavonoids in the *flowers* of **Gnaphalium** affine D. Don. 026340

Oriental **hoax** *blossoms* into southern belle [Camellia, history]. 027677

Floral **initiation** in sugarcane at Coimbatore—latitude 11 degrees N. 027051

Interpretative *floral* morphology of the Cyperaceae on the basis of the anthoid concept. 025931

Fruit ripening and senescence of *flowers* and **leaves.** 027228

Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) **[mango** *blossom* midge]. 029444

The *floral* **morphology** of Barneoudia Gay (Ranunculaceae). 025960

Carnation [Dianthus caryophyllus] production timed for *flowers* in **November-December** [Hungary]. 027594

Floral **odors** and quantitative taxonomy of Magnolia and Liriodendron. 025833

The *flowers* of **Opuntia** glomerata Haw. And Opuntia andicola Pfeiff. 025654

Precocious flowering of citrus seedlings. 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the *flower* **organs.** 027100

Selecting & breeding hardy **passion** *flowers.* 026079

Flavonoid localization in epidermal papillae of *flower* **petals:** a specialized adaptation for ultraviolet absorption. 026831

Within-crown distribution of cone and seed insect damage to slash **pine** *flowers,* conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938

Annotated bibliography on **pistillate** *flower* formation induced by ethrel in pumpkin, 1969-1973. 027286

Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to **prevent** *flower-bud* abscission [Varieties, forcing]. 027588

Flower **production** and the accumulation and distribution of carbohydrates in different parts of Baccara rose plants as influenced by various pruning and pinching treatments. 027199

Effects of daylength and temperature on shoot and *flower* **production** of Gerbera. 027599

Gladiolus corm curing and storage environments in relation to *flower* **production.** 027603

The effects of irrigation frequency and cultivars on premature cracking and *blossom-end* **rot** of watermelon fruits grown in the Sudan [Plant injuries]. 030632

Flower **seed** production trials in southern Oregon [Varieties]. 027843

Methods for forcing culture and *flower* **thinning** of cucumbers. 027659

Symposium on protected cultivation of *flowers* and **vegetables,** Scheveningen, 13-16 May 1975. 027634

Studies on the constituents of flowers. IV. On the components of *flower* of **Viburnum** ditatatum Thunb. 026657

Role of agronomic techniques in reducing the numerical strength of the **wheat** *flower* mite [Steneotarsonemus panshini]. 028806

Influence of climatical conditions on growth and *flower* **yield** of Anthurium andreanum. 027609

FLUES

Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of **mild** *flue-cured* variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101

The development of the multiple disease **resistant** *flue* cured tobacco variety, F 209 [Breeding]. 026102

Breeding of broad leaf type varieties (F 207, F 208) in *flue-cured* **tobacco.** 026100

Diseases of *flue-cured* **tobacco** in Ontario and estimates of disease losses, 1972-73. 028348

FLUIDS

Free amino acids in the **amniotic** *fluid* of different types of placenta [Cattle, dogs, rats]. 024251

A method for separaing estrogens and phytoestrogens [in **animal** *fluids]* on Sephadex LH-20 columns. 023654

Activity and properties of alkaline phosphatase in some **body** *fluids* (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251

Changes in **body** *fluid* compartments with growth in young pigs. 023625

Cerebrospinal *fluid* pressure in acute-and chronic hypovitaminosis A of the male weanling rabbit. 022201

Cerebrospinal *fluid* pressure and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. 023643

Activity of **faecal** *fluid* of a leaf-cutting ant [Atta colombica tonsipes] toward plant cell wall polysaccharides. 029404

Dry or *fluid* **feed,** alternatives for fattening swine barns. 023732

Are *fluid* **feeding** devices economical? 021380

Osmotic interrelationship between blood and **gut** *fluid* in the isopod Porcellio scaber Latr. (Crustacea). 029312

Interstitial *fluid* pressure in canine gastric mucosa. 023218

The hydraulic function of **intramyocardial** *fluids* subject to the erectile properties of the ventricular wall of mammalian hearts [Dogs]. 023679

Tank trucks for *fluid* **manure.** 030037

Physiological aspects of *fluid* **packaging** in cartons [Dairy products, hygiene]. 021942

Manufacture of thicker and more solid welded seams in *fluid* **packaging** [Packaging material for dairy products]. 022603

Separation of coffein, theophyllin and theobromine with help of high **pressure** *fluid* chromatography. 022492

An improved apparatus for **pressure-injecting** *fluid* into trees. 025254

Potentiometric determination of nitrogen in *fluids* **produced** by hydrolysis. 022437

Control of *fluid* **secretion** by isolated salivary glands of the lone star tick [Amblyomma americanum]. 029408

Laparoscopic pregnancy diagnosis and **uterine** *fluid* recovery in swine. 024209

FLUKES

Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy [Cattle, **liver** *fluke,* transmission, snails]. 024653

FLUORESCENCE

On the antigenic structure of vibrions studies by means of the agglutination reaction and *fluorescent* **antibodies** [isolated from swine]. 024413

Chloroplast *fluorescence* of C4 [carbon] plants. II. A photographic technique for obtaining relative fluorescence yields and spectra photographically [Dichanthium annulatum]. 026802

Identification of the 120 mus phase in the decay of **delayed** *fluorescence* in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137

Removal of **detergent** *fluorescent* whitening agents from wastewater. 030933

Application of the **direct** *fluorescent* antibody technique for the detection of Salmonella in the mesenteric lymph nodes of normal slaughter pigs. 024416

Fluorescent **Feulgen** staining of fungal nuclei. 026003

The response of the heated glasshouse lettuce crop to in situ supplements of low **illuminance** *fluorescent* light. 027645

Studies on serological diagnosis of Korean cattle Babesia strain by the **indirect** *fluorescent* antibody test [Babesiosis]. 024695

Measurement of the uptake of a 14C [carbon **isotope]-labelled** *fluorescent* whitening agent by fish from water and througha model food chain. 030881

Fluorescent **light** orchid culture: growing Paphiopedilums ina Flora Cart. 027704

Fluorescent **product** accumulation in ripening fruit [Bananas, pears]. 022958

Proteolysis of milk and milk products by **Pseudomonas** *fluorescens* [Contamination]. 021947
Temperature dependence of chlorophyll a *fluorescence* in **relation** to the physical phase of membrane lipids in algae and higher plants. 026794
Chloroplast fluorescence of C4 [carbon] plants. II. A photographic technique for obtaining **relative** *fluorescence* yields and spectra photographically [Dichanthium annulatum]. 026802
Mass marking techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of **topical** *fluorescent* aerosol marker. 028896
Metabolic behaviour of **water-soluble** *fluorescent* whitening agents in the rat and bean plant. 023389
Major and trace element analysis in red imported fire ant [Solenopsis invicta] queens by ion induced **X-ray** *fluorescence*. 029357
Multielement characterization of atmospheric aerosols by instrumental neutron activation analysis and **X-ray** *fluorescence* analysis [Air pollution]. 030883

FLUORIDES
The action of *fluoride* on the **calcium** pretreated blood [Rabbits]. 023542
Fluoride **emissions** from phosphate processing plants [Air pollution]. 030919
The influence of sulfur dioxide and **hydrogen** *fluoride* on free amino acids of spruce [Picea abies]. 025025
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on shrinkage property of beech [Fagus sylvatica] wood. 025427
The effect of BFCA *[boro-fluoride-chrome-arsenic]* **preservative** on drying property of beech wood [Fagus sylvatica]. 025428
Determination of *fluoride* in **vegetation:** a comparative study of four sample preparation methods. 022922
Collaborative study of a potentiometric method for the determination of *fluoride* in **vegetation.** 026622

FLUORINE
Natural *fluorine* levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and urine of sheep and cattle. 030940
Determination of *fluorine* in **volcanic** rocks from Filicudi and Alicudi (Aeolian Islands, southern Italy) and in geochemical reference materials. 030199

FLUOROMETRY
Fluorimetric and **gas-chromatographic** determination of selenium in biological substances [Human and animal toxicity]. 022216

FLUX
Transformations of *fluxes* and **forces** describing the simultaneous transport of water and heat in unsaturated porous media. 030389

FOALING
Release of prostaglandin F-2alpha during *foaling* in **mares.** 024126

FOALS *see* **HORSES**

FODDER
Quality of work of the E280 *fodder* **chopper** in the whole-plant harvesting of cereals [East Germany]. 030010
Prediction of nutritive value of freshly harvested and **conserved** *fodder* oat using laboratory analysis. 023038
A comparison of chemicals for the control of Nysius [huttoni] on brassicas *[fodder* **crops].** 028772
Fodder **culture** and protein provision of livestock. 027367
Determination of optimum harvesting time of forage plants according to *fodder* **digestibility.** 027538
Moisture stream application for comparison of agricultural drum **driers** of *fodder.* 023074
Technical solutions for processing straw and other **dry** *fodders* into pelleted, partially finished feeds. 023009
Heat-technical examination of **green** *fodder* silos. 029955
Production of a mixture of amino acids [for food and drugs] by autolysis of **hydrolyzed** *fodder* yeast. 022438
Yielding capacity of irrigated pasture and chemical composition of *fodder* according to the **level** of fertilizer application. 030578
Estimation method of drum driers of *fodder* in **operation** conditions. 023073
Fodder **products** for the protein provision of livestock. 023693
Effect of concentration of potassium in the medium on the content of protein in *fodder* **yeast** [grown on wood hydrolyzates]. 023030
Enrichment of *fodder* **yeast** with vitamine D2. 023031
The algorithm of management of the pure-culture of hydrolytic *[fodder]* **yeast** production. 023035

FOILS
The use of polyvinyl **chloride** *foil* during surface processing of particle boards. 025291
Folding *foils* for dairy products. 022602

FOLDING
Folding **foils** for dairy products. 022602
Significance of *fold* and **lineament** patterns in sulphide mineralization in the northeastern part of the Jabalpur (India) mineralized belt—a photogeological interpretation. 030281
Conditions of formation and regional evaluation of subsurface discharge in *fold-mountain* **regions** (as exemplified by the basin of the Chusovaya River in the middle Urals) [Groundwater]. 030754

FOLIAGE
Effect of a new antiviral substance produced by Streptomyces rameus on plant virus infection, its *foliar* **absorption** andproperties [Tobacco]. 028237
Sources of error in the determination of Cd [cadmium] and Pb [lead] in plant material by atomic absorption *[Foliar* **analysis].** 030440
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after *foliar* **application** of Benomyl [Systemic fungicides, Penicillium expansum]. 028056
Distribution of nitrogen in different plant parts of sorghum and amino acid composition of its grain as affected by *foliar* **application** of urea. 030468
Investigation on the long distance transport of some *foliar* **applied** 14C [carbon isotope]-labeled amino acids [Kidney beans]. 027129
The effects of **autumn** *foliar* urea sprays on storage forms of nitrogen extracted from bark and wood of apple shoots. 027204
Multiphase kinetics of 3-O-methyl-D-glucose absorption by *foliar* **disks** of Pelargonium zonale (L.) Aiton. 026703
Seasonal changes in *foliar* **fatty** acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Effect of *foliar* **fertilisation** on yield and quality of rainfed Cambodia cotton. 030451
Foliar **nutrient** variation in four species of upland oaks [Quercus]. 030554
The effect of root and *foliar* **nutrition** on the growth, development and yield of mandarin orange fruits [Soil and foliardressing with fertilizers]. 030539
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, *foliage* and other **pine-derived** chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
Lack of *foliar* **protection** from early blight [Alternaria solani] by aircraft-applied fungicides on sprinkler-irrigated potatoes. 028070
Foliage **removal** effects on 'Shiraz' grapevines. 027697
Foliar **structure** and intraplastidial starch accumulation in a Crassulaceae Bryophyllum diagremontianum Berger. 026699
Ontogenetic predisposition of **tomato** *foliage* to race O of Phytophthora infestans [Late blight]. 028058

FOLLICLES
Observed associations between corpora lutea and *follicular* **development** in swine ovaries during the estrous cycle. 024093
Functional and structural relationships in the **graafian** *follicle* population of the sheep ovary. 024120
Relationship between glycolysis and steroidogenesis in cultured **Graafian** *follicles* stimulated by LH [luteinizing hormone] or prostaglandin E2 [Rats]. 024135
Follicular **growth** during the normal cycle and after treatment with progestagens in the ewe. 023985
The reaction of **hair** *follicles* in the vicinity of full-thickness excised skin wounds in the dog. 024978
Follicle-stimulating **hormone** in the Japanese quail: variation in plasma levels during photo periodically induced testicular growth and maturation. 023516
Variations in the levels of *follicle-stimulating* **hormone** in the circulation of birds, a determined by homologous radioimmunoassay. 023523
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing **hormone/** *follicle* stimulating hormone-releasing hormone]. 024095
The sheep ovary: regulation of steroidogenic, haemodynamic and structural changes in the **largest** *follicle* and adjacent tissue before ovulation. 024132
Production and fates of unique organelles (transosomes) in **ovarian** *follicles* of Gallus domesticus [chickens] under various conditions. II. 024057
Steroid production by the isolated rabbit **ovarian** *follicle.* 024127
Investigations on improving the fertility of aged sows. I. Macroscopic studies of cyclical changes in the ovary, **particularly** *follicles* and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025

FOMES
Studies of cytology and growth of different strains of *Fomes* **annosus** (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development [Forest trees]. 027952
Strain variations among *Fomes* **durissimus** Lloyd [Swietenia mahogani, Casuarina equistetifolia, Mimusops elengi, India] attacking different host wood. 027887

FOOD
Carcinogenicity of the *food* **additive** furylfuramide in foetal and young mice. 021954
Effect of ascorbic acid on amine-nitrite toxicity *[Food* **additives].** 022032
Food **additives** and fortification. 022340
Nutritional qualities of some **African** *edible* leafy vegetables. Effect of boiling on the essential amino acid composition of their extracted protein. 022933
New world standards for cheese by the *Food* and **Agriculture** Organization are being prepared. 021869
Population biology of a brine fly [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant **algal** *food.* 029320
Obituaries: Lloyd C. Mitchell [Composition and **analysis** of *foods].* 022491
Reversed osmosis and its application to the technology of *foods* of **animal** origin. I. The receiving of cheese milk proteins and their utilization in the making of Feta cheese. 022577
Attempt at collaboration of a microbiological method for research on antimicrobial substances in *foods.* **Application** to benzoic and sorbic acids. 021964
Membrane processing *[Food* **applications].** 022458
A Synopsis of *food* selection in **Argentine** Acridoidea. 029196
Variation in food preferences of three grasshopper species (Acrididae: Orthoptera) as a function of *food* **availability** [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. 028704
The uses and abuses of **baby** *food.* 022065
Sampling from containers, kegs, tanks and drums *[Food* **bacteria].** 021900
An imperative for development: a **blended** *agro-food* policy. 021777
Per **capita** *food* consumption. 022251
Increased requirement for *food* **caused** by environmental pollution. 021809
Changing *food* and medical beliefs and practices in a Guatemalan community. 022076
Reaction of oxidized lipids with protein. 10. Effect of protein on the autoxidation of phospholipids *[Food* **chemistry].** 022523
Structure and bitter taste in the hulupone series *[Food* **chemistry].** 022524
Aflatoxin can be degraded by the mycelium of Aspergillus parasiticus [Fungi, *food* **chemistry].** 026859
Chilled *food* systems; effects of chilled holding on quality of beef loaves. 022119
Chilled *food* systems [Quality-related propeties of cooked ground beef loaves]. 022666
A process for the purification of lutein-fatty acid esters from marigold petals *[Food* **colorants].** 022495
Production of a betacyanine concentrate by fermentation of red beet juice with Candida utilis *[Food* **colorants].** 022937
A study of the embryotoxicity of the *food* **colour** Ponceau 4R in rats. 021976
Research on pesticides residues in exported **commodities** *[Food].* 029164
The toxicology of nitrate, nitrite and N-nitroso **compounds** [in *food].* 021937
Relations between structure and bitter taste of amino acids and peptides. I. Amino acids and related **compounds** [in *food].* 022553
Identification and ratio of volatile acids in *[food]* **conservation.** 022378
Expenses and *food* **consumption** of the Italian family. 022231
The use of activated charcoal for the concentration and analysis of headspace vapours **containing** *food* aroma volatiles. 022514
Mass-spectroscopy of aflatoxins **[Contaminants** of *food].* 021981
Yeasts of normal honeys from various sources *[Food* **contamination].** 021837
Incidence of Salmonella in pig meat in west Bengal and its public health significance *[Food* **contamination].** 021902
Distribution and removal of added mercury in milk *[Food* **contamination].** 021917
The flora of bacteria in fermented sausages *[Food* **contamination].** 022208
Training employees for a **convenience** *foods* system. 022285
Effects of **conventional** *food* and of formula diet on gut microflora. 022171
Comparisons of methods for calculating retentions of nutrients in **cooked** *foods.* 022115
Nutrient needs and *food* **costs** of women. 022087
The *food* **crisis.** 021779
Food **crop** production systems: preliminary results. 021255
Determination of paraquat [herbicide] residues in *food* **crops** by gas chromatography. 028500
Food **distribution** research priorities to allow major improvements in total systems productivity by 1985: overview. 021585
Food **distribution** research priorities to allow major improvements in total system productivity by 1985: food retailing. 021586
Food **distribution** research priorities to allow major improvements in total systems productivity by 1985: food wholesaling. 021587
Food **distribution** research priorities to allow major improvements in total system productivity by 1985: food processing. 021588
Process conditions for improved flavor quality of freeze **dried** *foods.* 022484
Production of a mixture of amino acids [for *food* and **drugs**] by autolysis of hydrolyzed fodder yeast. 022438
Energy utilization in the leading **energy-consuming** *food* processing industries. 022431
Basic principles of moisture **equilibria** [in *foods].* 022445
Evaluating *food* service productivity by accurate measurements. 021584
Checklist for *food* **facilities** planning. 022326

Checklist for *food* **facilities** planning. 022327
Who's afraid of the long shadow of **fast** *food?* 022314
Experimental research to define the method of determination of the global migration of plastic and rubbers in **fatty** *foods.* II. 022531
Rapid screening method for aflatoxin in a number of *[food* and **feed]** products [Contamination]. 021908
Economics of producing nutrients from cellulose *[Food* or **feed** additives]. 022430
Background to the establishment of the **first** *food* irradiation plant in Japan. 022473
A method for the estimation of methylmercuric compounds in *[food]* **fish.** 021905
Synthesis and flavor properties of some alkyl-substituted alpha-pyrone derivatives *[Food* **flavorings]**. 022116
Effect of family life-cycle stage on concerns about *food* selection. 022121
Most **foreign** *food* price rises exceed U.S. Increases. 021547
Effect of calibration procedures on accuracy and precision of automated Kjeldahl nitrogen analysis in some **formulated** *foods.* 022498
Freezer *food* concerns. 021884
Crystallization of water, a review *[Food* **freezing].** 022447
Fundamentals of freezing in biological systems *[Food* **freezing].** 022452
The use of carbon dioxide as a cryogenic gas *[Food* **freezing].** 022469
The use of halogenated hydrocarbons for *food* **freezing.** 022470
Taking into account the productive fruit and berry plants and *edible* **fungi** [growing in the forests in their management]. 025129
What *food* is it? **(Game).** 022244
Analysis of some carbamate and urea herbicides in *foods* by **gas-liquid** chromatography after alkylation [Residues]. 021906
Assessment for establishing the perceptibility of the basic flavors [in *food* **grading].** 021851
Food **guide** for older folks [Recipes]. 022103
Nutritional knowledge of **health** *food* users in Oahu, Hawaii. 022127
Enzymatic determination of the indigestible residue (dietary fibre) content of **human** *food.* 022146
Open-ocean farming of kelp for conversion to animal and **human** *foods* [Algae]. 022434
Trees—food—energy: **human** *food* potential. 022440
Processing of SCP [single cell protein] for **human** *food.* 022477
Comparative efficiency of animals in the conversion of feedstuffs to **human** *foods.* 023615
Dairy cattle—providers, not users—of **human** *food* [Feeding]. 023740
Development of poultry diets which do not compete with **human** *food* resources. 023809
Canada to require bilingual labeling of **imported** *foods.* 021889
Considerations on the use of cellulase in *food* and **industrial** field. 022530
Traditional marketing functions in the *food* **industry**—2000 A.d. 021591
Transportation issues affecting productivity in the *food* **industry.** 021592
Hygiene, good sense and economy *[Food* **industry].** 021967
Delphi exercises in forecasting technology for the *food* **industry** in the United Kingdom. 022303
Use of ultrafiltration and hyperfiltration (RO) [reverse osmosis] as preconcentration and purification steps in the *food* **industry.** 022471
Food **intake,** its relationship to body weight and age, and its apparent nutritional adequacy in New Guinean children. 022001
Stomach and upper intestine of the rat in the regulation of *food* **intake.** 023539
Food **intake** regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. 023716
Estimation of *food* **intake** of sheep grazing green pasture when no free water is available. 023751
Present status and prospects for the commercialization in Hungary of **irradiated** *food* items for human consumption [Economic feasibility]. 021393
Petitions and clearances for **irradiated** *food* items: implementation of legislative requirements in marketing tests [Israel]. 021742
Preparations for commercialization of **irradiated** *foods* in the Czechoslovak Socialist Republic. 022475
Preparation for the introduction of *food* **irradiation** in Brazil [Economic feasibility]. 021392
Consumer attitudes towards *food* **irradiation** in the Netherlands. 021577
Public acceptability of *food* **irradiation.** 021578
Status of the *food* **irradiation** programme in Israel. 022476
Notes on the *food* **irradiation** programme in Italy with particular reference to potatoes. 022909
Training microbiologists for fermentation technology in **Japan** *[Foods].* 022472
Japan's *fast-food* industry: export potential for U.S. Products. 021493
Dieldrin and DDT: accumulation from water and *food* by **lake** trout (Salvelinus namaycush) in the laboratory. 029155
Indirect action of the **larval** *food* of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Total reform of the *food* **law** and food research. 021686
British find adjusting to EC [European Community] *food* **laws** difficult. 021888
Reduction of gastric carcinogens with ascorbic acid *[Food* **leftovers,** nitrite]. 021839
Practical application of **legal** *food* obligation. 021713
Application of freeze drying for preparation of dehydrated powders from **liquid** *food* extracts. 022442
Current developments in the freeze concentration of **liquid** *foods.* 022448
Freezing *[food]* with **liquid** nitrogen. 022451
On the conduct of in-store field experiments *[Food* **marketing].** 021590
A survey of the microbiological properties of packaging **materials** for *food.* 022370
Home freezing of fruits, vegetables, **meats,** and other *foods.* 022072
Obituaries: Edward F. Baer *[Food,* **microbiology].** 021914
Taxonomy of aeromonades from **milk** and other *foods.* 022620
A kinetic study of the competitive oxidation of oleic acid-linoleic acid **mixtures** *[Food].* 022506
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by fish from water and througha **model** *food* chain. 030881
Intermediate **moisture** *food* technology. 022457
Some stability and safety aspects of intermediate **moisture** *foods.* 022463
Stability of low and intermediate **moisture** *foods.* 022464
Thermal susceptibility of Salmonella in the **Moroccan** *food* snail, Helix aspersa. 021916
An honor for super slurper [Industrial chemicals from starch that is in excess of *food* **needs].** 022737
Naturally occuring **nitrate/nitrite** in *foods.* 022511
The formation and analysis of **N-nitrosamines** *[Food].* 021935
What audit means to a program manager, *Food* and **Nutrition** Service. 022200
The *Food* and **Nutrition** Information Center. 022283
New International Committee on *Food* and **Nutrition** Policy. 022353
Psychometric classification of odors [Includes *food* **odors].** 022067
Fractionation of *edible* **oils** from isopropanol. 022540
Determination of the diet of phytaphagous animals based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Application to *food* selection by **Orthoptera,** Acridiida. 029263
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, food-stimulating solvents, and other samples *[Food* **packaging** material]. 021913
How much money do you throw away with *food* **packaging?** 022344
Trends in the *food* **packaging** industry. 022374
Pakistani *edible* oil imports rise, but U.S. Share slips. 021551
Comprehensive evaluation of fatty acids in *foods,* **part** 3, eggs and egg products. 022120
The possible presence of animal proteins in *food* **paste** [Analysis]. 022376
Food for **peace** update: another step forward. 022345
Food **plans** and family budgeting. 021883
Industrial freeze drying **plants** for *foods.* 022456
Energetics of pollination *[Food* **plants,** insect pollinators]. 026371
The new **politics** of *food.* 021715
Food **practices** and civilization: relations of nutrition and religion in ancient Rome. 022192
The time dependence of *food* **preferences.** 022263
Variation in *food* **preferences** of three grasshopper species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. 028704
Foods in **prehistory:** nutritional lessons for the present. 022249
Microbiological problems in partial and fully cooked and **prepared** *foods.* 021834
Food **preservation:** drying, canning, freezing. 022226
Principles and application of radio-frequency energy to *food* **preservation** with particular reference to concentration and dehydration. 022460
Food **prices.** 022250
Direct plating method for enumeration of Staphylococcus aureus: collaborative study **[Processed** *foods].* 021912
Food distribution research priorities to allow major improvements in total system productivity by 1985: *food* **processing.** 021588
Measuring electric field distribution in a microwave oven *[Food* **processing].** 022433
Free radical formation in the antioxidant ethoxyquin [used in *food* **processing].** 022510
Purification of odorous effluent gases by oxidation using sodium chlorite *[Food* **processing** industry]. 030895
Thermal and catalytic purification of effluent air *[Food* **processing** industry]. 030896
Energetics [input-output] of agriculture and *food* **production** with special emphasis on the Australian situation. 021252
New York State energy needs for *food* **production** [Agricultural input-output]. 021313
Agricultural ecology *[Food* **production** activities in the context of the world ecosystem]. 021698
The Green Revolution *[Food* **production** policies, India]. 021757
Agricultural productivity: *food* **production** in the 1980's [Outlook]. 021808
Some evaluation on the ways and sources of pathogenic microorganisms and on the possibility of their transmission to *food* **products.** 021901
Maximum admissible pesticide residues in *food* **products.** 021985
Applications of freeze drying to *food* **products.** 022443
Structural functions of taste in the sugar series: binding characteristics of disaccharides *[Food* **products].** 022512
Gas chromatographic determination of [the antioxidant] ethoxyquin in feed and *food* **products.** II. 023042
Salvation Army provides a center for *food* **programs.** 021720
Instrumental analysis of the sensory **properties** of *food.* 022432
Energy and land constraints in *food* **protein** production. 022254
Utilization of *edible* **protein** from meat industry by-products and waste. V. The characterization of extracted proteins, using polyacrylamide gel electrophoresis. 022505
Improved methodology for rapid and reproducible acid hydrolysis of *food* and **purified** proteins. 022375
Effect of *food* **qualities** on protein pattern of the haemolymph of a millipede Orthomorpha gracilis. 029331
Formation of C- and S-nitroso compounds and their further **reactions** *[Food].* 022509
Your money's worth in *food* **[Recipes].** 022199
Total reform of the food law and *food* **research.** 021686
Bacterial production of protein from cellulose. I. Effect of composition of mineral nutrient medium on the bacterial utilization of cellulose *[Food* **research].** 022371
Bacterial production of protein from cellulose. II. Effect of individual trace elements on cellulose fermentation *[Food* **research].** 022372
The impact of advances in methodology on biochemical *[food]* **research.** 022465
Kinetics of the thermal degradation of the anthocyanins pelargonidin-3-glucoside and cyanidin-3-glucoside *[Food* **research].** 022522
Toxicological decisions and recommendations resulting from the safety assessment of pesticide **residues** in *food.* 029093
Research on pesticide **residues** in *food.* 029162
Shellfish culture, a *food* **resource:** the example of the Thaupond. 022527
Food **resources** and domination. 021778
World agricultural and *food* **resources.** 021781
Solid waste management methods and costs in independent **retail** *food* stores. 030928
Food distribution research priorities to allow major improvements in total system productivity by 1985: *food* **retailing.** 021586
Riceland *Foods:* innovative cooperative in the internationalmarket [Soybeans]. 021099
Some experiences relating to *food* **safety.** 021878
Studies on the administration of *food* **sanitation,** especially for the theoretical development of probability process. 021856
Studies on the administration of *food* **sanitation:** an attempt to establish a methodology for quantitative administrative hygiene. 021857
Comparative study of the chemical constituents of *edible* and **saponin** bearing Dioscorea tubers. 027180
School *food* service at the crossroads? 022348
What's happening in **school** *food* service? 022351
Glossary of terms used in *food* **science** and technology. 022413
Portion sizes and day's intakes of **selected** *foods.* 022053
Technical procedures for the basis of membrane **separation** *[Food].* 022439
Basic labor productivity measures for popular breakfast menu items *[Food* **service** industry]. 022157
Food **service** 1980-1985. 022236
How to evaluate the efficiency of your *food* **service** operation. 022265
Identification of vinyl chloride in polyvinyl chloride and **simulated** *food* solvents. 021836
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, *food-stimulating* **solvents,** and other samples [Food packaging material]. 021913
Inability of chronic alcoholics with liver disease to use *food* as a **source** of folates, thiamin and vitamin B6. 022003
Food **spending** and income. 022363
Long-lived radionuclides in *food:* **90Sr** and 137Cs [strontium and cesium isotopes] in the Israel diet. 021875
Physiological effects of carrageenan *[Food* **stabilizer,** toxicity]. 021830
European Economic Community regulation with reference to the raw material in contact with *food:* **stainless** steel. 021865
Elizabeth Friar: Energetic lady directs volunteer services; Michigan volunteer program encourages communities to find ways to help the needy through *food* **stamps.** 021718
Nutritional considerations concerning the **staple** *foods* of the English-speaking Caribbean. 022079
Food **storage** guide for schools and institutions. 022528
Variations in the apparent nutrient content of *foods:* a **study** of sampling error. 022060
Soluble protein concentrate *[food* **supplement]** from alfalfa by low-temperature acid precipitation. 022775
Agriculture or industry to feed people? *[Food* **supply].** 021776
The world protein situation *[Food* **supply].** 021787
Test on energy in agriculture or in the *agro-food* **system** in France. 029913
Effective heat capacities for the freezing and **thawing** of *food.* 022499
Natural **toxicants** in *foods.* 022125
Trees—*food*—energy: human food potential. 022440

Trees—*food*—energy. Proceeding: 27th annual meeting, Forestry Committee, Great Plains Agricultural Council, June 16-19, Lincoln, Nebraska. 025031
Food **value** of some guar (Cyamopsis psoralioides) varieties. 022105
Microbial standards for *food*—**a view** from New Zealand industry. 021886
Bromosulphthalein clearance and total bilirubin level in cows deprived of *food* and **water.** 024933
Food distribution research priorities to allow major improvements in total systems productivity by 1985: *food* **wholesaling.** 021587
Science and the **world** *food* problem. 021697
The **world** *food* needs of the 1980's. 021706
World *food* needs of the 1980's by Charles Framingham. A comment. 021707
A closer look at the **World** *Food* Project no. 353 in aid of poultry development in India. 021759
A view on livestock potential **[World** *food* production]. 021786
The **world** *food* prospect. 021802
Yugoslav *food* import needs lowered. 021570
Zinc in *foods.* 022089

FOODSTUFFS

Determination of parathion-methyl and its metabolites in samples from **animals** and in *foodstuffs.* 021841
Analysis of nitrate and nitrite in *foodstuffs:* a **critical** review [Meat]. 021933
The determination of pyridoxine in **enriched** *foodstuffs* by direct spectrofluorometric measurement. 022513
Selenium content of some *foodstuffs* and other **environmental** samples in a mineralized area of Italy. 021877
Cell culture in mycotoxin research **[Fungi** from *foodstuffs].* 021893
Contributions to investigating the migration of auxiliary substances in plastics manufacture and processing into **liquid** *foodstuffs.* I. A dynamic testing method adjustable to varying test modalities. 022421
Possibilities and problems of introducing radiation preservation of *foodstuffs* in **Uruguay.** 022474

FOOT

1974 Oregon timber harvest **[Board** *feet].* 025158
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using inactivated **concentrated** *foot* and mouth disease viral antigens.). 024674
Most frightening of farm scourges: *foot-and-mouth* **disease.** 024502
Further studies of *foot-and-mouth* **disease** virus strains under type group (A) by complement fixation test in Iran [Cattle]. 024548
Isolation of *foot-and-mouth* **disease** virus from recovered animals [Cattle, goats, sheep, buffaloes]. 024564
Variation among strains of type A *foot-and-mouth* **disease** virus in the Eastern Mediterranean region 1964-1972. 024606
Calf blood extract in treatment of **equine** *foot* lesions. 024982
Indirect complement fixation in *foot* and **mouth** disease (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth disease viral antigens.). 024674
Serological variation of *foot* and **mouth** disease A-type fromSong Khla. 024677
A *foot* and **root** rot disease of tomato caused by Fusarium oxysporum. 027927
Foot **rot** of cereals [Summaries of papers on fungus diseases]. 028105
"The noiseless zone" at the *foot* of the **Tatry** Mountains [Forests, recreational uses]. 025021
Surface flammability of fireproofing plywood in the *8-foot* **tunnel** furnace. 3. 021932
"Foot **weakness"** in broilers. 024841

FORAGE

Two dairy cattle per *forage* **acre** [Pasture management]. 027446
Alfalfa *forage* cost analysis. 021432
Annual *forages* seeding rates and mixtures for central Alberta. 027380
Studies on the honey-sac contents and pollen loads of honeybees [Apis mellifera]. 2. Honey-sac contents of *foraging* **bees.** 029829
The *forage* **beet** is now ready for mechanization. 027402
Influence of different sucrose syrup concentrations and presence of species members on the *foraging* **behaviour** of wasps (Hymenoptera: Vespidae). 029338
Comparative development of *foraging* and **brood** production in honeybee [Apis mellifera] colonies established on comb and on foundation. 029806
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] *foraging* on **caged** apple trees. 029113
A **complete** *forage* plan for Wisconsin livestock [Range management, beef cattle]. 027346
Influence of temperature on growth of Froker oats for *forage.* II. **Concentrations** and yields of chemical constituents. 026935
Forage **crop** producing in hill and mountain areas. Foundations for the organization of cultivation. 021274
Bringing back blue grama [Bouteloua gracilis, growth as *forage* **crop].** 026885
Forage **crop** varieties and seeding mixtures for 1976. 027583
Forage **crop** disease survey in Thailand. 028426
Chlorophyll amount for analysis of matter production in *forage* **crops.** II. Seasonal variations in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in *forage* **crops.** III. Leaf photosynthesis under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Progress report on seed protein trials 1974/75 *[Forage* **crops].** 027473
Plague fights plague [Nosema locustae control of grasshoppers on *forage* **crops,** biological control]. 028701
Determination method of digestibility of *forage* **dry** matter and cell wall constituent by artificial rumen—neutral detergent treatment. 023873
New trends in **ensiling** *forages.* 023079
Techniques for **evaluating** *forage* blowers. 030149
Behavior of **exotic** *forage* plants in Patagonia Austral [Varieties]. 027362
Exotic *forage* plants: their behavior in southern Patagonia [Culture]. 027392
On **fertilizing** *forage* beets during the first years of development of peat soils in the western Ukrainian Polesye. 030562
Macronutrient variation in small **grain** *forage* as related to specie and variety. 026943
Cubing tests with **grass** *forages* and similar roughage sources. 023077
Effect of mineral fertilizers on yield and quality of *forage* **grass** stands of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
Effect of coumarins on germination and growth of some *forage* **grasses** and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. 026997
The use of forage sorghum. V. NO3-N content in the **green-chopped** *forage* sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. 023057
Practical use of mapping [for **growing** *forage* crops]. 027412
Value of public **land** *forage* to private land. 021214
Frequency of occurrence of winter injury to *forage* **legume,** winter cereal and strawberry plants in Prince Edward Island, 1901-1975. 028346
Parasitic fungi on *[forage]* **legumes** during the winter period in the foothill zone of Kabardino-Balkaria. 028018
A comparison of methods for **measuring** *forage* intake [Cattle]. 023855
Changes in cell-wall carbohydrates and lignin of some *forage-type* **millets** [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985
Use of quill comb in the diagnosis of ectoparasites [Fleas, lice, Cheyletiella and *forage* **mites,** animals]. 029075
Variability of protein content in spring vetch and **peas** for *forage.* 027046
Problems in the intensification of **perennial** *forage* plants. 027552
Intensification of *forage* **plant** production. 027542
There are still reserves [Peas as a *forage* **plant,** agrotechnology]. 027578
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein *[Forage* **plant** yields, effects of feeding on dairy cattle]. 030423
Irrigation of meadows *[Forage* **plant** yields]. 030741
Factors in the intensification of feed production *[Forage* **plants].** 021340
Hypotheses on determinism of male sterility *[Forage* **plants].** 026173
Selection with truncation in autotetraploids comparison with diploids *[Forage* **plants].** 026305
Marrowstem kale as the main crop *[Forage* **plants,** yields]. 027368
Determination of optimum harvesting time of *forage* **plants** according to fodder digestibility. 027538
Organization of unbroken sequence of *forage* **plants** [Yields]. 027582
Development of liquid manure flora and its causes in the formation of plant species (use of root test to determine injuries from liquid manure) *[Forage* **plants].** 028334
Variation in food preferences of three grasshopper species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, *forage* **plants,** pests]. 028704
Take notice of soil properties when applying liquid manures *[Forage* **plants,** yields]. 030425
Nutrient content of mule deer diets *[Forage]* from **ponderosapine** range. 026987
The water lily, a **potential** *forage* plant for cattle. 023052
Predicted *forage* value of whole plant cereals. 023020
Use of more *forage* to **produce** beef—crested wheat seedings. 027487
New varieties of Dactylis [glomerata], meadow fescue [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for *forage* **production.** 027500
Summer gain as influenced by winter treatment *[Forage,* **protein** supplements, cattle]. 023867
The question of grain content and *forage* **quality** in maize: comparisons between isogenic fertile and sterile plants. 026191
Value of public land to the **ranch** *forage* system [Range management]. 027488
Foraging **range** of the Indian honeybee [Apis cerana indica]. 029816
Effect of *forage-to-concentrate* **ratio** in complete feeds and feed intake on digestion of starch by dairy cows. 023766
Effects of changes in *forage-concentrate* **ratios** of complete feeds on dairy cattle. 023816
Questions of operation of alfalfa harvesting carried out by high-power **self-propelled** *forage* harvesters. 030101
Dietary adaptability of the desert cottontail [Grasses, *forbs,* **shrubs].** 025911
The use of *forage* **sorghum.** V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. 023057
Nutritive value of some browse and *forb* **species** [New Mexico]. 023064
Forage **systems** for dairy cattle. 023932
Dormancy breaking in the light-sensitive seeds in **temperature** *forage* crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Growth of mounds and *foraging* **territories** in Odontotermes redemanni (Wasmann) (Isoptera: Termitidae). 029375
Estimated nutritive value of **treated** *forages* for ruminants. 023764
The mesquite, a *forage* **tree,** a wealth which should be utilized better [Prosopis juliflora, also a source of wood and gum, Colombia]. 027860
Use of predictive equations for estimating the net energy **value** of *forages.* 023016
Effects of breed and *forage* **vs** grain feeding on beef palatability and shelflife. 022701
Forage **yield** potential of some grasses. 027419

FORBS *see* FORAGE

FORCIPOMYIA

A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: Encyrtidae) from Puerto Rico parasitic on *Forcipomyia* **(Diptera:** Ceratopogonidae). 029354
Biological notes and new synonymy in *Forcipomyia* **(Diptera:** Ceratopogonidae) [parasitized by the hymenopteran genus Forcipestricis]. 029355
A new nearctic species of *Forcipomyia* **(Forcipomyia)** [bystraki] described in all stages (Diptera: Ceratopogonidae). 029070

FORECAST

Prospects of **animal** husbandry development [in the Dzhizak province of the Uzbek SSR]. 021763
Irradiation treatment for sprout inhibition in potatoes: *prospects* for **application** in Belgium. 022908
Present status and *prospects* for the **commercialization** in Hungary of irradiated food items for human consumption [Economic feasibility]. 021393
Forecasting **crop** quality [Sugarcane, price-quality schemes, statistical analysis]. 021632
Prospects for the **cultivation** in Italy of the Capuli black cherry, Prunus serotina subsp. capuli (Cav) McVaugh. 027710
Prospects for the **development** of forestry in countries of the Council for Mutual Economic Assistance. 025049
The pig industry in Britain—**developments** and *forecasts.* 021784
Economical *prospects* of protected cultivation [Costs, prices, returns]. 021357
Present situation and *prospects* of **energy** economy in agriculture. 029972
World trade in oilseeds, oils and **fats:** past and *prospects.* 021490
Prospects 1975-76 for **flour** and feed mills and macaroni industry [Consumption, outlook, statistics]. 021806
The world **food** *prospect.* 021802
Canada's agricultural trade performance in 1974 and *prospects* beyond 1975. 021476
State and *prospects* of **fur** farming with the Siberian sable [USSR]. 023108
Prospect of **hydroponic** method of vegetable culture in greenhouses. 027785
Forecasting **incidence** and issuing warnings for sugarbeet leaf spot (Cercospora beticola Sacc.) in Yugoslavia. 027961
Prospects for the **intensification** of rabbit meat production. 023092
Previous results and *prospects* of **interspecific** hybridization in forest tree breeding (review). 025235
Mathematical model of *forecasting* **inventory** of forest stands. 025122
Good *prospects* for **marked** articles [Dairy industry, trade]. 021483
Prospects of **mechanizing** the after-harvest treatment and storage of cereal seeds. 027511
Prospects of **onion** irradiation in India [Economic feasibility]. 021394
Improvement of the theory of *forecasting* **plant** diseases. 028395
Biological method: achievements and *prospects* **[Plant** diseases and pests, control]. 028459
Presidents' *forecast:* foodservice '76. 022252
Profitability *prospects* of swine production in the past decade [Income]. 021450
Methodological problems of **socialist** *forecasting* of the agricultural complex. 021767
Fundamentals of a powdery mildew [Erysiphe graminis] *forecast* on **spring** barley. 028106
Breeding and evaluation of the results of a test apiary and the *prospects* for **success** [Apis mellifera]. 029848
Studies on the *forecasting* **techniques** of sheath blight [Pellicularia sasakii] of rice. 027905
Delphi exercises in *forecasting* **technology** for the food industry in the United Kingdom. 022303
This **year's** *prospects* of sugarbeet production in the Jicin district. 021812

FORERUNNERS

Forerunners of **pesticides** in classical Greece and Rome [Plant protection]. 028377

FOREST

Environmental influences on the nutrient cycle of a beech [Fagus] *forest* on **acid** soil. 027316
Forest **apiculture.** 029845
Elements of *forest* **appraisal** for forest stands of berries. 025115
Taking into account of high-yielding stands *[Forest* **appraisal].** 025130
Forest regeneration in a *heavily-forested* **area.** 025207
Is *forest* **assessment** of any value? 025162
Means of **assuring** *forest* regeneration in the Urals. 025209
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in two soils of a **beech** *forest* (Retz forest). 030273
The dynamics of Hueston Woods and a review of the question of the successional status of the southern **beech-maple** *forest* [Fagus grandifolia, Acer saccharum]. 025889
Illicitly high pesticide residues in *forest* **berries** [and mushrooms]. 021977
Introduction to uses and interpretation of principal component analysis in *forest* **biology.** 025172
Land use planning in a resort community, using the community of Menzenschwand in the **Black** *Forest* as an example. 025110
Lichen biomass in Acadian and **Boreal** *forests* of Cape Breton Island, Nova Scotia. 025879
Successional stages in a hardwood **bottomland** *forest* near Dallas, Texas [Vegetation dynamics]. 025924
Volumetric tables of trunks for pine stands in the **Briansk** *Forest* Massif. 025107
The effect of forms of nitrogenous fertilizers on agrochemical properties of **brown** *forest* soils and the yield of tea leaves. 030535
Problems on the automation of the function of *forest* **cadre** accounting [Labor]. 025125
On the angle made by the carrying cable in the point of support in the case of great **capacity** *forest* skylines. 025480
Shearing resistance, internal friction and coherence of light-grey and **cinnamon-grey** *forest* soils. 030293
Field and computer techniques for stem analysis of **coniferous** *forest* trees. 025174
Windbreak removal trends in the Great Plains *[Forest* **conservation].** 025032
Continuous *forest* inventory in the General Administration of the National Forest Inventory (summary of three years of work) [Mexico]. 025153
Microvariations in soil climate under two kinds of *forest* **cover.** 030195
Daily rhythm of the scototactic orientation of the *forest* **cricket** Nemobius sylvestris (Bosc): Precise biological importance. 029447
Prohibiting the clearing of the *forest* **cutover** area by fire. 025136
Streamflow response to *forest* **cutting** and revegetation [Forested watersheds]. 025070
Industrial dust and the viability of pines in suburban forests of Leningrad [Air pollution, *forest* **damage].** 025035
Organization of a *forest* **data** bank in view of its use by computer. 025078
Analysis of litterfall in a **deciduous** *forest* on Walker Branch Watershed, Tennessee: data stratification by two alternative methods. 030179
Ohia [Metrosideros collina] *forest* **decline** [of unknown origin]: its spread and severity in Hawaii. 028450
The first experiences in **diagnosing** *forest* power machines. 025283
On fructification of blue Douglas fir [Pseudotsuga glauca] in *forest-ranger* **district** Perisor-Dolj. 025231
Carbohydrate nutritive value of several feeds on farms of the **Dnieper-right-bank** *forest-steppe* region of the Ukraine. 023941
The northern limit of *forests* on the **eastern** coast of Hudson Bay, New Quebec [Ecology]. 025914
The presettlement vegetation of Williamson County, Illinois *[Forest* **ecology].** 025890
National legal regulations on *forest* **economic** unions [West Germany]. 025088
Research Natural Area needs in the Pacific Northwest; a contribution to land-use planning. Report on Natural Area Needs Workshop; November 29—December 1, 1973, Wemme, Oregon *[Forest* **ecosystems].** 025167
Population genetical structure and the interaction genotype X environment as productivity factors of *forest* **ecosystems.** 025233
Establishing typological base of work means and modalities by skidding and transport of round timber, in the case of some coupes within *Forest* **Enterprise** for Logging and Transport Brasov. 025478
On some features of systems of electric power supply for *forest* **enterprises.** 025036
Forest and **environment** research in Hungary. 025023
Establishing *forest* stands in the taiga zone [Silviculture]. 025205
Mineral fertilizer requirements of pine in the *forests* of **Estonia.** 030496
Forest **ethics.** 025147
An analysis of accumulation and decomposition of litter fall in hill **evergreen** *forest* Doi-Pui Chiengmai. 030327
Early history, content and evaluation of the [German] **Federal** *forest* law. 025086
Biological cycle of chemical elements in Central Taiga **fir** *forests* [Forest litter, soil humus]. 030284
Aircraft in the control of *forest* **fires.** 025033
An aid to streamlining *[forest]* **fire-weather** station networks. 025065
The *forest* **floor** [Ecology]. 025012
Animal influences on Japanese pine [Pinus] seeds of the *forest* **floor.** II. Seed input and output of seedling with seed coat. 025039
Studies on the rate of decay of wood litter on the [Quercus] *forest* **floor.** II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Decomposition of litter on *forest* **floor.** III. Decomposition of woods in subalpine forest. 030249
The *forests* and **forestry** of Australia. 025045
Orientations and trends in modern silviculture concerning the choice and application of treatments in the light of *forest* **functions.** 025232
The situation and tasks of preserving genes in the forestry of Hungary *[Forest* **genetics].** 025186
[Natural] conditions for *forest* **growing** in western Kara-Kum. 025046
Forest **habitat** types on the Medicine Bow National Forest, southeastern Wyoming: preliminary report [Plant communities]. 025927
Forest **history**—an American heritage. 025047
1975 annual program of the **Hokkaido** *Forest* Products Research Institute. 025420
Management, classification and zoning of New Zealand **indigenous** *forests.* 025150
Evaluating utilization of working time of equipment of automated production lines *[Forest* **industries].** 025133
Has your accounting system kept up with changing conditions in logging? *[Forest* **industries].** 025139
How to communicate with your legislator *[Forest* **industries].** 025140
Loading and unloading operations—technology and efficiency *[Forest* **industries].** 025442
Conversion factors for the *forest-products* **industry** in western Canada. 025538
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada *[Forest* **insect** pests, biological control]. 028925
Effect of *forest* **insect** pests on the structure of tree varieties. 028934
Forest **insect** research at Kansas State Univeristy. 1974 [Rhyacionia, Pinus ponderosa, Pinus sylvestris]. 028940
Improving estimates of stand basal area in working plan *[forest]* **inventories.** 025149
Putting new technology of *forest* **inventory** into practice. 025126
Studies on the weed [Sasa paniculata]-vegetation at the early stage of reforestation. I. Vegetable transition on Cryptomeria **japonica** *forests* planted in every year. 025203
The management of **Kauri** *forests:* a historical review of government policy and a proposal for the future. 025151
Turnovers correlated with maximum and minimum manual labor *[Forest* **labor,** work management]. 025105
On the economic evaluation of *forest* **lands** in Lithuania. 025123
Gain and loss of moisture in **large** *forest* [fire] fuels. 025064
The stages of fungal decomposition of *forest* **litter.** 030262
Biological cycle of chemical elements in Central Taiga fir forests *[Forest* **litter,** soil humus]. 030284
Problems of analysis of the system of mass servicing of *forest* **logging** with consideration of the reliability of mechanisms. 025408
Container grown seedling operation in **Maine** *[Forest].* 025224
"The silent crises" *[Forest* **management].** 025100
Forest **management** and forestry practice. 025116
Taking into account the productive fruit and berry plants and edible fungi [growing in the *forests* in their **management].** 025129
Vincent W. Bousquet—he put forestry into logging *[Forest* **Management,** United States]. 025143
Forest **management** and research in indigenous production forests. 025148
Effect of *forest* **management** and improvement measures on river runoff. 025175
Air pollution regulations and their effect on *forest* **management** [Prescribed burning]. 025195
Vertebrate animal populations of the **McCormick** *Forest* [Michigan]. 025069
Auxometric investigations on beech groves of the Gargano [Fagus, *forest* **mensuration].** 025102
Auxometric investigations on the Turkey oak [Quercus cerris] of the Gargano *[Forest* **mensuration].** 025103
Single-entry tables, an important instrument, but a source of serious errors *[Forest* **mensuration].** 025104
Volume table for Eucalyptus grandis *[Forest* **mensuration].** 025159
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory [Quercus, Carya] *forest* in **Missouri.** 029287
The **ML-1** *forest* planting machine. 025216
Economic importance of tourism in **Montana** *[Forests].* 025168
Certain problems of poplar seedlings cultivation in conditions of the **mountainous** *forest* zone of Mongolia. 025243
Backpacking in the **National** *Forests,* a family adventure. 025056
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao Joao River valley, Rio de Janeiro [**National** *forest* resources, conservation]. 025076
The **National** *Forests;* National Forest wildernesses and primitive areas. 025092
Continuous forest inventory in the General Administration of the **National** *Forest* Inventory (summary of three years of work) [Mexico]. 025153
Forest habitat types on the Medicine Bow **National** *Forest,* southeastern Wyoming: preliminary report [Plant communities]. 025927
The centennial papers: our **nation's** *forests.* 025010
Dispersed recreation survey in **native** *forests* near Perth, western Australia. 025157
Dynamics of **natural** *forest* regeneration relative to shelterwood and group-selective cutting. 025199
Use of softwood broadleaved species from **natural** *forests* and plantations for obtaining sulphate pulp [Poplar wood]. 025525
The South's third *forest*—**new** land of opportunity. 025142
Kauri [Agathis obtusa] *forests* in the **New** Hebrides. 025155
Silvicultural use of herbicides in Pacific **Northwest** *forests.* 028588
Increasing the efficiency of growing planting stock in *forest* **nurseries.** 025208
On growing planting stock in the *forest* **nurseries** of Karelia [Silviculture]. 025211
Portable oscilloscope technique for detecting dormancy in *[forest]* **nursery** stock. 027343
Leaf litter fungi associated with evergreen **oak** *forests* in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
The *forest-land* **owners** of New Jersey. 025169
The *forest-land* **owners** of Delaware [Statistics]. 025170
Preliminary inventory expedited by the **Paraopeba** *Forest* Experimentation Station in Minas Gerais. 025077
Research activity in some *forest* **pathology** institutes in the United States of America: report of a study trip [Pinus monticola, Cronartium ribicola, Cronartium fusiforme]. 027988
Recording of work load of *forest* **personnel,** methodological problems and recommendations. 025089
Control of *forest* **pest** insects by viruses [Dendrolimus spectabilis, Lymantria fumida, Lymantria dispar, Entomophthora]. 028942
Some observations on the Japanese field vole, Microtus montebelli (Milne-Edwards) in captivity. I. Postnatal growth and development *[Forest* **pests].** 025016
Effects of daylength over one complete and a partial succeeding generation on development in Neodiprion sertifer (Hymenoptera: Diprionidae) *[Forest* **pests].** 028929
Parasites and pathogens of the Japanese nut tree giant silkworm *[Forest* **pests,** natural control]. 028966
The *forests* of the **Pieniny** National Park. 025019
Rate of selective cutting in Far Eastern **pine** *forests* [USSR]. 025137
Effect of mineral fertilizers on growth of pines in a fairly moist **pine** *forest.* 027328
The effect of fertilizers on the yield of mushrooms in **pine** *forests* located in the region along the middle part of Angara River. 030503
Forest **plantations** on some eroded surfaces from agricultural lands. 025229
In *forest* **plantings:** sprayer calibration for herbicide application [Equipment. 030060
Particulate source strength determination for low-intensity prescribed fires [Air **pollution,** *forests].* 025196
The *forest* **practice-environmental** issue (it's snafu in California again) [Legislation]. 025141
Dispersion of **predatory** *forest* floor arthropods. 029471
What is the opinion of **private** *forest* owners concerning the sale of timber? 025163
On the use of the Minsk-22 electronic computer in **processing** *forest* management data. 025124
Forest management and research in indigenous **production** *forests.* 025148
Parliamentary Bill 67 (1974-1975). The development and future of Norwegian industry *[Forest* **products].** 025466
Timely problems of *forest* **protection** from pests and diseases [in Poland]. 025050
Protection *forests* of the Wairau catchment. 025055
Forest **protection** in the Russian SFSR. 025072
Protective *forest* shelterbelts of hybrid poplars in Bashkiria. 025043
Let's not gamble with our **public** *forests.* 025074
Structure and climate in tropical **rain** *forest.* 025864
Canopy lichens with blue-green algae: a nitrogen source in a Colombian **rain** *forest.* 025894
"The noiseless zone" at the foot of the Tatry Mountains *[Forests,* **recreational** uses]. 025021
Current planning of *forest* **regeneration** operations with the use of the ASPR sub-system [Statistical methods]. 025113
Forest **regeneration** in the Kama River region in relation to cutting systems. 025117
Summarizing the discussion on planning volumes of *forest* **regeneration** operations. 025128
Forest **regeneration** in a heavily-forested area. 025207
On *forest* **regeneration** in the State Forest Reserves of Perm province. 025210
Spacing of undergrowth as an indicator of potential success of *forest* **regeneration** in cutover areas. 025214
Development of complex mechanization of *forest* **regeneration** in the zone of excess soil moisture. 030082
Public demands on *forests* in **relation** to forest wildlife. 025083
Report on the session of IUFRO [International Union of *Forest* **Research** Organizations] division I. in Hungary. 025024
Silvicultural research in the *Forest* **Research** Institute [Hungary]. 025184
Humidity effects on properties of structural particleboards from *forest* **residues.** 025532

Primary directions in the reproduction of *forest* **resources** in the USSR [Reforestation, silviculture]. 025212
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in two soils of a beech forest **(Retz** *forest).* 030273
The inauguration of the XXIIIrd year of the Italian Academy of *Forest* **Sciences.** 025034
Defective interfering particles of **Semliki** *Forest* virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504
Forest **Service** films available on loan for educational purposes to schools, civic groups, churches, television. 025028
What the *Forest* **Service** does [Programs]. 025093
A job with the *Forest* **Service;** a guide to nonprofessional employment. 025145
What audit means to the Chief, *Forest* **Service** [U.S. Dept. Of Agriculture]. 025156
Comparison of **seven** *forest* types for game in West Virginia. 025038
Effect of *forest* **shelterbelts** on productivity of fruit trees. 025041
Improvement cutting in *forest* **shelterbelts.** 025154
Climatic and vegetational classifications in regional site classification. Considerations from the *forest* **site** classification system in Baden-Wurttemberg. 025091
Forests and **sites** on the Styrian eastern rim of the alps; growth area No. 18 [General aspects]. 025051
Forests and **sites** on the Styrian eastern rim of the Alps; growth area no. 18 (supplements). 025052
Effects of zinc-smelter emissions on *forest* **soil** microflora. 028344
The effects of soil treatments on *forest* **soil** properties in northern Finland. 030586
Ecological distribution of micro-fungi in *forest* **soils** of Japan. 030212
Applicability of some methods for determination of available phosphorus in *forest* **soils.** 030217
Effectiveness of seeded fallow and bare fallow in the **southcentral** *forest-steppe* region of the Ukraine. 027558
Tree planting trends as indicated by distribution of *[forest]* **species** in Great Plains States. 025193
Studies on the frequency distribution of the weight of individual trees in a *forest* **stand.** V. The M-w diagram for various types of forest stands. 025109
Accuracy in interpreting large-scale aerial photographs of *forest* **stands.** 025111
Elements of forest appraisal for *forest* **stands** of berries. 025115
Mathematical model of forecasting inventory of *forest* **stands.** 025122
On forest regeneration in the **State** *Forest* Reserves of Perm province. 025210
Decomposition of litter on forest floor. III. Decomposition of woods in **subalpine** *forest.* 030249
Industrial dust and the viability of pines in **suburban** *forests* of Leningrad [Air pollution, forest damage]. 025035
Wood imports vital for **Swedish** *forest* industries. 025499
Effects of **three** *forest* species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. 025013
Effects of the *forest* **tree** shelterbelts on the microclimate and agricultural production of the Bala State Farm. 025061
Method of estimating exponent in *[forest* **tree]** volume equation with a single variable. I. Theory of two points extimation based on order statistics. 025108
[Forest] **tree** and shrub species distribution for Great Plains planting (by states and years, 1970-1974). 025194
Previous results and prospects of interspecific hybridization in *forest* **tree** breeding (review). 025235
[Forest] **tree** disease research. 028367
Means of reducing damage to seeds due to mechanical processing *[Forest* **trees].** 025200
Technical progress in the field of resin tapping from *forest* **trees.** 025337
Studies of cytology and growth of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development *[Forest* **trees].** 027952
Stem witches' broom of fruits and *forest* **trees** [Virus diseases]. 028197
Biology, ecology and control of insects of native and introduced *[forest]* **trees** and shrubs on the Great Plains. 028939
Treefalls and patterns of understory species in a wet lowland **tropical** *forest.* 025896
Establishment of some mean conditions for logging at the level of the *Forest* **Unity** for Logging and Transport. 025479
Application of mineral fertilizers in *forests* of the **USSR.** 030493
The more important tree varieties of the **Vietnam** *forests.* 025691
Streamflow response to forest cutting and revegetation *[Forested* **watersheds].** 025070
Effect of mineral fertilizers on yield and quality of forage grass stands of cultivated pastures in the **western** *forest-steppe* region of the Ukraine. 030561
Public demands on forests in relation to *forest* **wildlife.** 025083
Role of the *forest* and **wood** industry within the framework of developmental policy of the German Federal Republic. 025090
A proposed policy for indigenous state [New **Zealand]** *forest.* 025146
Effectiveness of soil-protective crop rotations for erosion control in the *forest-steppe* **zone** of the Ukrainian SSR. 030600

FORESTERS

David Kennedy: an **appreciation** *[Foresters].* 025053

FORESTRY

Crusade for conservation. The centennial history of The **American** *Forestry* Association. 025009
The forests and *forestry* of **Australia.** 025045
Forestry in **Australia.** 025048
Automation of developing prospective plans in the *forestry* **automated** control system. 025112
Regions and types of habitats in *forestry* as **basic** factors of up-to-date forestry management. 025085
Effect of a large area nitrogen fertilization by airplane on volume increment of pine [Pinus] stands in the **Bodenwohr** *Forestry* District in Bavaria. 030459
Geology and *forestry* **classification** from ERTS [Earth Resources Technology Satellite]-1 digital data. 030280
Trees—food—energy. Proceeding: 27th annual meeting, *Forestry* **Committee,** Great Plains Agricultural Council, June 16-19, Lincoln, Nebraska. 025031
Review of and observations on current methods of bracken [Pteridium aquilinum] **control** in *forestry.* 028567
Prospects for the development of *forestry* in **countries** of the Council for Mutual Economic Assistance. 025049
Climatic maps of Tohoku **district** for *forestry.* 025015
Magnitude of influence of the Central **European** *forestry* organizations with special regard to administrative legal, economic and regional aspects. 025087
On some methods in *forestry* **experiments.** 025027
Integrated **farm** *forestry.* 025054
Agriculture and *forestry* in 1980/1985. 021721
Hunting and *forestry:* the **forestry** plan [Bern Canton]. 025084
The situation and tasks of preserving genes in the *forestry* of **Hungary** [Forest genetics]. 025186
Important means of **intensifying** *forestry* production. 025121
A financial return program for *forestry* **investments** including sensitivity of results to data errors. 025073
Mineral fertilizers in the *forestry* of **Latvia.** 030495
Specialization and concentration of production in *forestry* **operations** of Volynia. 025127
Noise hazards on *forestry* **operations** in the South. 025459
A joint solution of problems of complex mechanization of *forestry* **operations** [Council for Mutual Economic Assistance]. 025462
Current problems and future goals of *forestry* in the Great **Plains.** 025095
Hunting and forestry: the *forestry* **plan** [Bern Canton]. 025084
Forest management and *forestry* **practice.** 025116
Forestry **production** and planting targets. 025218
Vincent W. Bousquet—he **put** *forestry* into logging [Forest Management, United States]. 025143
Preliminary investigations with DPX 3674 for weed [Pteridium aquilinum, Cortaderia fulvida] control in [Pinus **radiata]** *forestry.* 028565
Forestry in **recession.** 025101
Birch [Betula] trees in **shelterbelt** *forestry.* 025040
The pine bark bug, Aradus cinnamomeus Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and **significance** in *forestry.* 028955
Silvicultural education and research at the University of *Forestry* and **Timber** Industry, Sopron. 025183
Research on the stability of wheeled **tractors** *[Forestry].* 025453
Kansas State **University** *forestry* research: background and current status [Juglans nigra, Populus]. 025192
Regions and types of habitats in forestry as basic factors of **up-to-date** *forestry* management. 025085
Studies from space **vehicles** in *forestry.* 025044

FORFICULA

The European earwig *[Forficula* **auricularia].** 028640

FORMALDEHYDE

A modified method for the estimation of **bound** *formaldehyde* in treated feed proteins. 023045
Method of **determining** *formaldehyde* and methanol extracted in poly-condensation of resin in hot pressing of particle boards. 025395
Equipment for grain **disinfection** with *formaldehyde.* 030164
Effects of **feeding** *formaldehyde-treated* oilseed supplements to sheep on pasture. 023801
Formaldehyde **titration** method for the determination of ammoniacal nitrogen in phosphate fertilizers. 030480
Formaldehyde **treated** whey protein concentrate for lactating dairy cattle. 023767

FORMALIN

Beef production from untreated silage and silage treated with a mixture of *formalin* and **formic** acid [Cattle]. 023826
Humoral antibody response to cattle to *formalinized* **Staphylococcus** aureus vaccine. 024496

FORMAMIDE

The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] *formamide* **(FANFT)** and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] *formamide* **(FANFT)** and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867

FORMIC

Beef production from untreated silage and silage treated with a mixture of formalin and *formic* **acid** [Cattle]. 023826

FORMICA

Carpenter **ant** *(Formica* ligniperda Latr.) against Colorado beetle [Biological control]. 028954
Productivity of the **ant** *Formica* dakotensis in a spruce [Picea] bog. 1. Observed and estimated densities of the colonies. 029381
An evidence of colour-differentiating ability of the **ant** *Formica* sanguinea. 029516
A chemical influence of ants *[Formica* **fusca]** on wing development in aphids [Aphis fabae]. 029323
Introduction of a predacious red wood ant, *Formica* **lugubris(Hymenoptera:** Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925
Guidance and stimulation factors in performances of a task by *Formica* **polyctena.** 029376
Study on teratological changes in ant workers of *Formica* **rufa** group (Hymenoptera, Formicidae). 029383

FORMICIDAE

Investigations on sexual production in the dulotic ant, Harpagoxenus sublaevis (Nyl.) **(Hymenoptera,** *Formicidae).* 029377
Study on teratological changes in ant workers of Formica rufa group **(Hymenoptera,** *Formicidae).* 029383
Natural history of Veromessor pergandei. II. Behavior **(Hymenoptera:** *Formicidae).* 029467
Taxonomic implications of doryline worker ant morphology: Cheliomyrmex morosus **(Hymenoptera:** *Formicidae).* 029534
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: *Formicidae),* from **Italy** to eastern Canada [Forest insect pests, biological control]. 028925
The importance of ants *[Formicidae]* for **West** German apiculture. II. 029762

FORMULA

Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and **aneuploid** *formulas.* 029351
Formula for **describing** effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to western pine beetle [Pinus ponderosa] attack. 028945
Effects of conventional food and of *formula* **diet** on gut microflora. 022171
Advection modification of the Priestley and Taylor **evaportranspiration** *formula* [Irrigated potatoes, alfalfa]. 027102
The apical tibial **spur** *formula* in the termite genus Odontotermes Holmgren (Isoptera: Termitidae: Macrotermitinae). 029597

FORTRAN

A *FORTRAN* **program,** 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result [Thresholds for odor and taste]. 022066

FOSSILS

A note on the *fossil* **[Dicroidium]** megafloras of the Nymboida and Red Cliff Coal Measures, southern Clarence-Moreton Basin, New South Wales. 025717
Fossil **dinoflagellates:** index to genera and species. Supplement 1. [Paleobotany]. 025660
Fossil **dinoglagellates:** index to genera and species. Supplement 1. 025661
Microplanktons from tethyan sequence of Niti Pass, Kumaon Himalayas, India [Includes *fossil* **pollen].** 025689
Electron microscopical investigations of the Normapolles group and some other selected European and North American angiosperm *[fossil]* **pollen.** I. 025796

FOULBROOD

Stability of oxytetracycline in diets fed to honeybee [Apismellifera] colonies for disease control **[American** *foulbrood,* European foulbrood]. 029841
The effects of Penicillium waksmani growth on **American** *foulbrood* infected combs and adult honeybee activity [Apis mellifera, Bacillus larvae]. 029842
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the honeybee disease regulation [Apis mellifera, acarine **disease,** *foulbrood].* 029761
Stability of oxytetracycline in diets fed to honeybee [Apismellifera] colonies for disease control [American foulbrood, **European** *foulbrood].* 029841

FOWL

Demonstration in tissue culture of cellular immunity of *fowl* **cholera** [Pasteurella multocida, chickens]. 024537
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the **domestic** *fowl* after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
A comparison of the effects of two low-calcium diets on **egg** production in the **domestic** *fowl*. 023710
Studies on heritability and genetics correlation among economic traits in **domestic** *fowl*. 024206
Transmission of Histomonas meleagridis to **domestic** *fowl* by means of earthworms recovered from pheasant yard soil. 024452
Toxic effects of diazinon [insecticide] on the **gonads** of *fowls*. 025008
Bacteriological status of respiratory tract of **normal** *fowl*. 024545
Effect of social stress and inherited plasma corticosterone levels in chickens on populations of the **northern** *fowl* mite, Ornithonyssus sylviarum. 029031
Comparative susceptibility of the chorioptic mange mite, **northern** *fowl* mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
Further studies on the hypoglossal **nucleus** in the *fowl*. 023231
Study of a sex linked dwarfing gene in the *fowl:* **oviposition** time and characteristics of the successive eggs in laying sequences. 024021
Electron microscopical study of initial and final stages of *fowl* **plague** virus-replication in chick embryo cells. 024421
Host-range mutant of *fowl* **plague** virus (FPV): comparison of the genome and virus proteins. 024765
Polyadenylate sequences of *fowl* **plague** virus complementary RNA (cRNA) synthesized in vivo and in vitro. 024766
Studies on propagation and cytopathogenicity of *fowl* **pox** virus (Beaudette strain) on chicken embryo fibroblasts. 024568
Morphological study of the kidney in the *fowl*. II. **Renal** portal and venous systems. 023569
Changes in plasma glucose and liver glycogen following the administration of gluconeogenic precursors to the **starving** *fowl* [Chickens]. 023376
Fowl **trypsin** and chymotrypsin. 023369

FOXES

How often should *fox* and **mink** be fed? 023735
How often should *fox* and **mink** be fed? II. 023736
Occurrence of Alaria alata (Diplostomidae: Digenea) from the **red** *fox* in Hokkaido, Japan. 024624

FOXTAILS

Effects of nitrogen and phosphorus on the yield and chemical composition of **meadow** *foxtail* [Alopecurus pratensis]. 030435

FRACTIONATION

Studies on the techniques of *fractionation* of **bacteria** in rumen microbial ecosystem. 023428
Fractionation of **edible** oils from isopropanol. 022540
Application of carbon **isotope** *fractionation* by plants to ecosystem investigations. 026856
Fractionation of the **lipids** of raw egg. 022729
Ultrastructural study of [kohlrabi and barley] chloroplasts isolated by various *fractionation* **methods.** 025935
Partial *fractionation* of whole casein by affinity chromatography. 022614
Control of dimorphism in the female honeybee [Apis mellifera]. 4. Techniques for *fractionating* **royal** jelly into its major components. 029808
Studies on protein in royal jelly [of Apis mellifera]. I. **Solvent** *fractionation* of protein and amino acid composition of each fraction. 029775

FRACTURES

Closed-wound irrigation of compound and **contaminated** *fractures* as a preventive and treatment for osteomyelitis [Dogs, cats]. 024927
Fractures of the **distal** femur in the dog and cat. 024976

FRAGARIA

Three new species of Pygmephoroidea (Acarina: Tarsonemida) from *Fragaria* in **Florida.** 029591

FRAGRANCE

Interspecific hybridization of Camellias, with particular **reference** to *fragrance*. 026078

FRAMES

Frames or **cabins** having undergone the tests of the former codes of the Organization for Economic Cooperation and Development, with the indication of the tractors to which they fit. 030019
Catching *frame* development for a citrus harvest system. 027726
New life for old *[wood-frame]* **dwellings;** appraisal and rehabilitation. 025265
Development of measuring methods and a **measuring** *frame* for the examination of mounted equipment. 030095
Bases of **modern** *frame* structures from native material [Hungary]. 025287
Considerations on the stability of tractor **safety** *frames* in over-turning, especially of those equipped with replacements. 030076
Short-lugged *frames* [Beehives]. 029744
The use of rigid **wood** *frames*, a method of self help construction in agriculture [Barns]. 029937

FRANKLINIELLA

Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, *Frankliniella* **tritici**] in seedling grain sorghum. 028742

FRAXINUS

Ultrastructural studies of plastids in leaves of *Fraxinus* **excelsior** L. var. aurea (Willd.). 026033
Changes in mineral contents of cotyledons and young seedlings of woody angiosperms [Acer rubrum, *Fraxinus* **pennsylvanica,** Robinia pseudoacacia]. 027310
Suturaspis archangelskayae (Lndgr.) (Homoptera, Diaspidoidea), a biophyte of ash tree *[Fraxinus]* in **Turkmenistan.** 028943

FREESIA

Soil **cooling** for *Freesia's*. 027628
The influence of duration of warm, cold-dry and cold-moist storage on development and flowering of *Freesia* **plants.** 027090
Effects of bulb vernalization on yield and quality characteristics of outdoor grown Golden **Yellow** *Freesia* hybrida. 027763

FREEZERS

Freezer **food** concerns. 021884
Chemical, palatability and cooking characteristics of normal and low quality [pale, soft, exudative] pork loins as affected by *freezer* **storage.** 022674

FREEZING

Fundamentals of *freezing* in **biological** systems [Food freezing]. 022452
Comparison of two methods of *freezing* **bull** semen. 024260
Food preservation: drying, **canning,** *freezing*. 022226
Effect of sodium chloride on rehydration of *freeze-dried* **carrots.** 022931
Brazil determined to make comeback from **coffee** *freeze*. 021722
Current developments in the *freeze* **concentration** of liquid foods. 022448
Freeze **concentration** of vegetable juices. 022903
The influence of *freezing* **conditions** on the properties of freeze dried coffee. 022466
A regional analysis of injury to deciduous fruit trees by the *freeze* of **December,** 1972. 028340
Why is **deep** *freezing* of boar sperm problematic? 024240
Degree of acrosomal destruction following **deep** *freezing* of bull sperm in liquid nitrogen. 024243
A simulated fruit gel suitable for *freeze* **dehydration.** 022496
Some combined reactions of water at the surface of *freeze* **dried** products. 022462
The influence of freezing conditions on the properties of *freeze* **dried** coffee. 022466
The porous texture of *freeze* **dried** products. 022467
Process conditions for improved flavor quality of *freeze* **dried** foods. 022484
Application of *freeze* **drying** for preparation of dehydrated powders from liquid food extracts. 022442
Applications of *freeze* **drying** to food products. 022443
Basic knowledge of *freeze* **drying.** Heat and mass transfer. 022444
Collapse during *freeze* **drying**—qualitative and quantitative aspects. 022446
Effect of process conditions in *freeze* **drying** on retention of volatile components. 022449
Heat and mass transfer in *freeze* **drying.** 022453
Heat and mass transfer in *freeze* **drying** of mixed granular particles. 022454
Possibilities of direct surface sublimation in *freeze* **drying.** 022459
Some basic fact about *freeze* **drying.** 022461
The retention of volatile components during *freeze* **drying:** a structurally based mechanism. 022468
Freeze **drying** of sliced beef. 022656
Thermal phenomena and structural behaviour of fruit juices in the pre-freezing **stage** of the *freeze* **drying** process. 022905
Freezing and **fertilizing** ability of spermatozoa [Semen, buffaloes]. 024073
Stabilities of viruses **following** *freezing* and storage at low temperatures. 024534
Crystallization of water, a review **[Food** *freezing].* 022447
Freezing **[food]** with liquid nitrogen. 022451
Fundamentals of freezing in biological systems **[Food** *freezing].* 022452
The use of carbon dioxide as a cryogenic gas **[Food** *freezing].* 022469
The use of halogenated hydrocarbons for **food** *freezing*. 022470
Feasibility study on *freezing* and **handling** fresh hams in corrugated fiberboard pallet bins. 022645
Home *freezing* of fruits, vegetables, meats, and other foods. 022072
High powered low temperature refrigeration plants in **industrial** *freeze* drying. 022455
Industrial *freeze* drying plants for foods. 022456
Preservation of mixed species lactic starter concentrates by *freezing* and **lyophilization** methods. 022616
Requirements and methods of *freezing* **marine** products and meat. 022657
The relationship of plastic deformation in *freeze-etching* to the **orientation** of a protein particle [Tobacco]. 026029
Cryoscopy of milk. I. Establishment of *freezing* **point** of milk received in dairy plants [Adulteration]. 021833
Postmortem glycolysis in ground skeletal muscle as influenced by **prerigor** *freezing* and subsequent thawing. 022718
Effects of *freezing* **processes** of boar semen on motility of spermatozoa and conception rate. 024204
Effects of spray-drying and *freezing* on the **proteins** of liquid whole **egg.** 022728
Study on the *freezability* of **spermatozoa** [semen] in three genetic groups of crossbred bulls. 024074
Thermal phenomena and structural behaviour of fruit juices in the *pre-freezing* **stage** of the freeze drying process. 022905
Freezing of **stallion** semen. 024265
Microfibril synthesis at the surfaces of isolated tobacco mesophyll protoplasts, a *freeze-etch* **study.** 026059
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and *freeze-substituting* **techniques** in determining the in vivo condition of the plasmodesmata [Algae]. 026439
Effective heat capacities for the *freezing* and **thawing** of food. 022499
Use of a centrifuging method to measure the drip of pork Longissimus dorsi slices before and after *freezing* and **thawing.** 022689
Effect of *freezing* and **thawing** on the conversion of soil nitrogen. 030287
Phytochrome intermediates in *freeze-dried* **tissue** [Peas]. 027279
Production of threitol and sorbitol by an adult insect [Upis ceramboides]: association with *freezing* **tolerance.** 029460
The *freezing* of **vegetables.** 022904

FRESHWATERS

The influence of hardness components (Ca^{2+} and Mg^{2+}) in water on the **uptake** and concentration of cadmium in a **simulated** *freshwater* ecosystem [Nitella flexilis, **algae,** Elodea. 030650

FRICTION

Real conditions of mechanical similarity appearing while [bulldozing, compaction, shearing and *friction]* **forces** act on soil. 030337
Shearing resistance, **internal** *friction* and coherence of light-grey and cinnamon-grey forest soils. 030293

FROGS

Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] venom on the presynaptic nerve terminals of *frog* **muscle.** 029435

FRONDS

Flavonoid and ceroptin pigments from *frond* **exudates** of Pityrogramma triangularis. 026735

FROST

Chimeras, hyperplasia, and hypoplasia in *frost* **burls** [in conifers and hardwoods] induced by low temperature. 025017
Stepniak, a *frost-resistant* **grape** variety. 027854
The intensity of photosynthesis in citrus leaves of various age in relation to their *frost* **resistance.** 027294
The effect of potassium fertilizers on *frost* **resistance** of the mandarin orange tree. 030538

FROZEN

Juice extraction of *frozen* **apple** pulp. 022880
Fertility of imported **deep** *frozen* semen of Brown Swiss proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072
Study of Salmonella in *frozen* **meat** (estimation of the presumptive test on lysine-iron-cystine-neutral red). 021843
Merchandising *frozen* entrees that are distinctively yours. 022318
Improved acceptance and shelf life of *frozen* **minced** fish with shrimp. 022500
The fertility of *deep-frozen* **ram** semen supplemented with PGF2alpha [Prostaglandin F2alpha]. 023970
Textural quality prediction of **reheated** *frozen* French friedpotatoes by objective testing of raw stock. 022938
Effect of thawing and packaging material on discoloration of *frozen* **skipjack** meat [Seafood]. 022405
Dilatancy of *frozen* **soil** and development of a strain theory or creep. 030208
Measuring changes that occur during *frozen* **storage** of fish: a review. 022502
The influence of *frozen* **storage** on the electrophoresis of serum protein in domestic animals. 023667
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from *frozen* and **thawed** states. 022101

FRUCTIFICATION *see* FRUIT

FRUCTOSE

Studies on *fructose* and **ascorbic** acid concentration in the semen of Corriedale and Nali breeds of sheep. 024082
Determination of glucose and *fructose* in **honey.** 022488
Effect of glucose and *Fructose* in the **protein-repletion** diet fed after protein-depletion on some blood constituents of rats. 021993

FRUIT

Fruit **analysis** for prediction of bitter pit [in apples]. 028303
Discrepancies in the chemical composition of **apple** *fruits* as analysed by different laboratories. 022943
Enzymic analysis of cell wall structure in **apple** *fruit* cortical tissue. 026042
The function of calcium in the cell and in the subcellular units of **apple** *fruit.* 027087
In vitro growth of tissues and cells cultures from **apple** *fruits.* 027146
Soluble and wall-bound glycoproteins of **apple** *fruit* tissue. 027251
Antagonism between calcium and other elements in the **apple** *fruit* [the primary cause of bitter pit development]. 028297
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) *fruits.* **Ascorbic** acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the *fruit* and its **association** with enzymic browning. 028128
Influence of some physical factors on the *fructification* of **Basidiomycetes** higher fungi (Bibliographic study). 026431
Vitamin B12 metabolism in the *fruit* **bat** (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. 022061
The biological specificity of *fruit* **bearing** of lemons under the conditions of Anaseuli [USSR]. 027293
Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and biochemical methods [Agents of bacterial **blight** on *fruits].* 028156
On *fructification* of **blue** Douglas fir [Pseudotsuga glauca] in forest-ranger district Perisor-Dolj. 025231
The effect of the environment on the formation of *fruit* **bodies** of the species of the genus Chaetomium Fr. [Saprophytic fungi]. 026678
Ultrastructure of Agaricus sylvicola and Agaricus bisporus [musroom] cell membrane evolution during *fruit* **body** development. 025973
Evaluation of brinjal varieties for resistance to shoot and *fruit* **borer,** Leucinodes orbonalis Guen. 028863
Types of *fruit-bearing* **branches** and fruit stalks [in fine-fiber cotton]. 026036
Storage **building** for *fruits.* 029965
Recapture of virgin female **Caribbean** *fruit* flies [Anastrepha suspensa] from traps baited with males. 028859
Effect of age upon fatty acid composition of adult **caribbean** *fruit* flies, Anastrepha suspensa. 029330
Utilization of nitrite nitrogen by four fungi [Gliocephalotichum bulbilium, Aspergillus] **causing** *'fruit* rot' diseases. 028079
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the *fruit* during **cell** division. 027298
Heritability and genetic advance for root and *fruit* **characters** in radish. 026184
Susceptibility of diapausing pupae of the western **cherry** *fruit* fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Mass marking techniques for European **cherry** *fruit* fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. 028896
Interim report on the first five years of the 1969-1984 **cider** *fruit* tree research. 027836
Studies on postharvest treatments for ripening of **citrus** *fruits.* I. Lowering of the acidity in Satsuma mandarin orange by heat treatment. 022869
[Chilling] injury in *fruit* [**Citrus** storage]. 022888
Investigations on the nitrogenous substances of **citrus** *fruits.* V. The free amino acids of lemon juice. 022894
Concentrated *fruit* juice as an attractant of the eastern fruit moth [Laspeyresia molesta, control]. 028902
Fruit **crops** teaching and research at the University of Science and Technology, Kumasi, Ghana. 027602
1974 evaluation of candidate pesticides. Fungicides: *upland[fruit]* **crops.** 027994
On the problem of fertilizers for *fruit* **crops** in the Ukraine. 030563
Fruit **culture** in the European Economic Community [Programs]. 021729
Research in *fruit* **culture** and economic aspects oriented towards 1980. 027741
Fruit **culture** in the stony soils of Yucatan. 027796
Literature and some experiences on the theme of utilization of weak stocks *[Fruit* **culture].** 027837
Integrated plant protection in *fruit* **culture.** 028412
Growing **deciduous** *fruit* trees in the tropics, a new approach to an old problem. 027604
A regional analysis of injury to **deciduous** *fruit* trees by the freeze of December, 1972. 028340
1974 evaluation of candidate pesticides. Insecticides: **deciduous** *fruit* trees. 028877
The phenolics of fruits. VII. The phenolics of cherries and plums and the changes in catechins and hydroxycinnamic acid derivatives during the **development** of *fruits.* 023006
Studies in *fruit-body* **development** in the Bolbitiaceae [Fungi] and the [taxonomic] implications of such work. 025784
Changes in respiration rate and some organic substances contents during *fruit* **development** of Cucumis melo L. cv. Shinhoro [Muskmelons]. 027297
Concentrated fruit juice as an attractant of the **eastern** *fruit* moth [Laspeyresia molesta, control]. 028902
Differentiation in Coprinus lagopus [Fungi]. III. Expansion of **excised** *fruit-bodies.* 025944
Report on management during fall 1975 by the *Fruit* **Experimental** Group. 027798
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) *fruits.* **Extraction** of a phenol from the fruit and its association with enzymic browning. 028128
Studies on the constituents of Lindera erythrocarpa Makino. I. **Flavonoids** from the *fruits.* 026659
Identification of a *fruit* **fly** [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. 026639
Stem witches' broom of *fruits* and **forest** trees [Virus diseases]. 028197
Fresh *fruits* and vegetables from the home garden [Culture]. 027804
Fresh *fruits* and vegetables from the home garden [Culture]. 027805
Studies on the nondestructive measurement of quality of Satsuma mandarin oranges. II. The use of light transmittance techniques for *fruit* **grading.** 021861
Some technical bases recommended for the establishment and initial care of *fruit* **groves.** 027829
Pigment evolution in Lycopersicon esculentum [tomato] *fruits* during **growth** and ripening. 027248
Effect of irrigation regimes on trunk and *fruit* **growth** rates, quality and yield of apple trees. 030662
Functionality of plastic nets *[Fruit* **harvesting,** hail protection]. 029973
A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) *fruit* on the **incidence** of its blossom-end-rot and cracking [Rhysiological disorders]. 027178
Need of **increasing** *fruit* culture [Cost, prices, productive capacity, Colombia]. 021633
An analysis of salaries and personnel characteristics in the *fruit* **industry** of northcentral Washington. 022887
A guide of [insect] pests according to nature of **injuries** *[Fruit].* 028899
Thermal phenomena and structural behaviour of *fruit* **juices** in the pre-freezing stage of the freeze drying process. 022905
Concentration dependencies of ethylene on shuck dehiscence and *fruit* and **leaf** abscission of Carya illinoensis [Wang.] K. Koch. 027188
The cuticles of Citrus species. Composition of the intracuticular lipids of **leaves** and *fruits.* 027208
Relation of growth and *fruiting* in **lemon** (Citrus limon Burmann). 027182
Effects of fertilizers on *fruit* **length** and yield of ratoon Smooth Cayenne pineapple crop in Sierra Leone. 030396
Studies on cold storage of **mango** *fruits* (Mangifera indica L. Cv. Langra). 022913
Ascorbic acid content and enzyme activities during maturation of the **mango** *fruit* and their association with bacterial black spot [Erwinia mangiferae]. 028126
Respiration rate of the **mango** *fruit* peel and its association with bacterial black spot [Erwinia mangiferae]. 028129
A quick method for determining the cause and nature of cituns 'windfall' [attributed to *fruit-piercing* **moths** or windstorms] in Sierra Leone. 028296
A **new** *fruit* rot of brinjal (Solanum melongena L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. 027942
The starch content of chloroplasts in *fruit-bearing* and **nonfruit-bearing** eggplants and strawberries. 027116
Development of **"nose** *fruit"* of Kopsia flavida Bl. [Morphology]. 025953
A **noteworthy** *fruit* stock in Oenanthe [prolifera] (Umbelliferae) [Morphology]. 025951
A *fruiting* **occurrence** of Bryum algen Card. [Musci] in east Antarctica. 025751
Variation in the reproductive potential of Earias fabia Stoll (Lepidoptera: Noctuidae) reared on whole *fruit* of **okra** or on its components. 029483
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of **olive** *fruit* immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
The effect of root and foliar nutrition on the growth, development and yield of mandarin **orange** *fruits* [Soil and foliardressing with fertilizers]. 030539
Oriental *fruit* fly [Dacus dorsalis]: thickened formulationsof methyl eugenol in spot applications for male annihilation. 028869
Scheduling drip irrigation with evaporation **pans** *[Fruit].* 030731
Training and pruning of **passion** *fruit* (Passiflora edulis Sims) in Kenya. 027650
Fungicidal control of brown spot [Alternaria passiflorae] of **passion** *fruit* in Uganda. 027878
Diseases and pests of **passion** *fruit* in Kenya. 028300
A reappraisal of the growth and development of **peach** *fruit.* 027119
Photosynthesis in relation to growth and distribution of *fruit* in **peach** trees. 027122
Starch breakdown and ripening of apple and **pear** *fruits.* 027234
Capsidiol induction in **pepper** *fruit* during interactions with Phytophthora capsici and Monilinia fructicola. 028049
Black spot: a nonparasitic disease of bell **pepper** *fruit* in the Lower Rio Grande Valley of Texas [of unknown origin]. 028417
A new method for treating **perennial** *fruit* trees with chemical mutagens. 026217
Reproductive differences between laboratory-reared and field-collected populations of the Mediterranean fruitfly, Ceratitis capitata [Insect **pests,** *fruit].* 028821
Aporis craetagi *[Fruit* **pests,** control]. 028900
The phenolics of *fruits.* VI. The **phenolics** of currants, gooseberries and blueberries. Changes in phenolic acids and catechins during development of black currants. 023004
The phenolics of *fruits.* V. The **phenolics** of strawberries and their changes during development and ripeness of the fruits. 023005
The phenolics of *fruits.* VII. The **phenolics** of cherries and plums and the changes in catechins and hydroxycinnamic acid derivatives during the development of fruits. 023006
Translocation of boron to **plant** *fruits* [Peanuts, subterranean clover]. 026389
Mycoflora of the rhizosphere and roots of **pome** *fruits* in the Maritime Territory [Pathogenic fungi]. 028015
Possible relationships among **pome** *fruit* viruses detected in graft transmission trials. 028190
Effects of bending and ringing of branches [training method] on flowering and *fruiting* of **ponkan** (Citrus reticulata Blanco) trees. 027143
Fruiting **problems** of fruit trees. 25. [Grapes, strawberries, citrus]. 027101
Natural and **processed** *fruit:* [free] choice or [producers'] association? [Angola]. 022970
Complex for *fruit* **processing** [Equipment]. 022987
VDR-5 crusher *[Fruit* **processing** equipment]. 023001
Taking into account the **productive** *fruit* and berry plants and edible fungi [growing in the forests in their management]. 025129
Cultivation of chiku *[fruit]* is **profitable** venture in north India. 027733
Date palm—a **prospective** *fruit* for India [Culture]. 027734
Protected *fruit* growing. 2. Hail and hail protection [Bibliographies]. 028321
Effect of different rootstocks on vigour, yield and *fruit* **quality** of blood red orange (Citrus sinensis Osbeck) [Culture]. 027761
Growth, yield, and *fruit* **quality** of virus-infected and virus-free Golden Delicious apple trees. 028181
Compost nutrient balance: effects on growth of tomato plants, *fruit* **quality** and yield. 030394
Carotene oxidizing factors in **redpepper** *fruits* (Capsicum annuum L.). Ascorbic acid. 022926
The number and size of [apple] *fruits* in **relation** to rootstock type, application of growth regulators, pruning, and fruit thinning [affect bitter pit development]. 028312
Reproducing *fruit* trees by grafting and budding. 027754
Technical orientation of *fruit* **research** in the five coming years. 027742
Trends in *fruit* **research** in France during the next five years. 027743
The phenolics of fruits. V. The phenolics of strawberries and their changes during development and **ripeness** of the *fruits.* 023005
Fluorescent product accumulation in **ripening** *fruit* [Bananas, pears]. 022958
Biosynthesis and regulatory control of ethylene in *fruit* **ripening.** A review. 027222
Fruit **ripening** and senescence of flowers and leaves. 027228
Physiological studies of developing and **ripening** *fruit* of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during cell division. 027298
Rough *fruit* condition of the Shamouti orange: occurrence and patterns of development. 028414
Preliminary investigations on the effect of various fungicides applied during bloom on pollen germination and *fruit* **set** [Pears, peaches]. 027910
Influence of the water status on the growth and *fruit* **setting** of pepper and eqqplant in protected cultivation. 027612
Symptoms of star crack virus on the *fruit* and **shoot** growth of apple cultivars. 028200
A **simulated** *fruit* gel suitable for freeze dehydration. 022496
Trends in the processing of oil seeds and *fruits.* The **simultaneous** extraction of oils and proteins. 022525
Storage characteristics of some vegetables and **soft** *fruits.* 022879
Effect of chilling temperature on the flowering and *fruiting* **stage** in the second rice crop. 026940
Types of fruit-bearing branches and *fruit* **stalks** [in fine-fiber cotton]. 026036
Norms of capital expenditures for the establishment of **stone** *fruit* orchards. 021451
The changing variety picture in **stone** *fruits.* 027794
The role of fungi of the genus Cytospora Fr. In the dieback of **stone** *fruits* in the Crimea. 028029
Studies on the juice qualities of **subtropical** *fruits.* I. Seasonal changes of organic acids, sugars and volatile components in Ponkan and Tankan [Citrus]. 022883

The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and *fruit* **thinning** [affect bitter pit development]. 028312
Water permeability during **tomato** *fruit* development in normal and rin nonripening mutant. 027274
Influence of stage of development at planting on flowering and *fruiting* in **tomato.** 027610
The effects of plant population, irrigation frequency and cultivars on yield and canning qualities of **tomato** *fruits* grown under hot tropical conditions. 027640
Factors affecting the occurrence and severity of blackmold of ripe **tomato** *fruit* caused by Alternaria alternata. 028054
Transmissible and non **transmissible** *fruit* deformation of quince [caused by virus]. 028205
Esterified sterol glucoside and methylellagic acids from Aleurites fordii [tung **tree**] *fruits.* 022959
Fruits and **tree** nuts: blooming, harvesting, and marketing dates. 027656
Fruit **tree** culture research in the Netherlands. 027740
IXth International Symposium on *Fruit* **Tree** Virus Diseases, East Malling Research Station, Kent, 8-14 July 1973. 028184
A new approach to **tree** *fruit* collection [Limb padding, space-fill, equipment]. 030141
Effect of forest shelterbelts on productivity of *fruit* **trees.** 025041
Fruiting problems of *fruit* **trees.** 25. [Grapes, strawberries, citrus]. 027101
1974 evaluation of candidate pesticides. Fungicides: *fruit* **trees.** 027995
Chlorosis of *fruit* **trees.** 028460
Introduction of low-volume spraying [Disease and pest control of *fruit* **trees** and grapes]. 028472
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as pest of *fruit* **trees** and ornamentals, control, Krasnodar Territory]. 028914
Potential new systems for perennial **tropical** *fruit* crops. 027624
Growth and *fruiting* of **two** Pima cottons. 027056
Fruit and **vegetable** crops costs and returns from farm cost accounts. 37 farms, 1974. 021352
U.S. Imports of *fruits* and **vegetables** under quarantine, fiscal 1975 [Statistics]. 021508
Home freezing of *fruits,* **vegetables,** meats, and other foods. 022072
Fruits and **vegetables** in human diet. 022090
Evidence for covalently attached p-coumaric acid and ferulic acid in cutins and suberins [of *fruit* and **vegetables**]. 027271
Occurrence of fungi of the genus Fusarium on *fruits* and **vegetables** during their winter storing in the Turkmen SSR. 027989
Bibliography of the codling moth [Laspeyresia pomonella, *fruits,* **walnuts**]. 028152
The effects of irrigation frequency and cultivars on premature cracking and blossom-end rot of **watermelon** *fruits* grown in the Sudan [Plant injuries]. 030632
A study of variation in *fruit* **yield** and related characters in two diallels of the lowbush blueberry, Vaccinium angustifolium Ait. 026115

FRUITFLIES

Reproductive differences between laboratory-reared and field-collected populations of the **Mediterranean** *fruitfly,* Ceratitis capitata [Insect pests, fruit]. 028821

FRYERS *see* CHICKENS

FRYING

Effect of water and BHT [butylated hydroxytoluene] on stability of cottonseed **oil** during *frying.* 022790

FUCOSE

Studies on the secretion of maize root-cap slime. III. Histochemical and autoradiographic localization of **incroporated** *fucose.* 027037

FUCUS

Navicula fucicola sp. Nov., a diatom living in the apical slit of *Fucus* **vesiculosus** L. (Phaeophyceae) [Algae]. 025815

FUELS

Production of *fuel* **briquets** from hydrolyzed lignin. 025322
Automatic acquisition of primary information about the **consumption** of *fuels.* 029897
Sulfur content in wheat dried in internal-combustion dryers in relation to the sulfur content in *fuel* **[Contamination].** 022821
Reducing [agriculture's] *fuel* **costs** with solar energy. 029976
Gain and loss of moisture in large forest **[fire]** *fuels.* 025064
Measuring *fuel* consumption in tractor testing. 030160
Fuel from **plants** [Australia's total demand, resources]. 030964
Trees and energy **[Wood** as *fuel].* 025354

FULGOROIDEA

Cixiidae *(Fulgoroidea:* Homoptera) from Reunion Island [Oliarus, Aselgeoides, Brixia, new taxa]. 029613
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, *Fulgoroidea,* **vectors].** 028158

FULVIC

Distribution of amino acid and carbohydrate components in *fulvic* **acid** [from Italian soils] fractionated on polyamide. 030193

FUMARIC

Fermentative production of *fumaric* **acid** from liquid N-paraffin by Candida rugosa [Yeasts]. II. Studies on the fermentation conditions. 026326

FUMIGATION

Mycotic diseases **[Aspergillus** *fumigatus]* occurring in domestic animals in Ankara. 024598
Isolation and characterization of **Aspergillus** *fumigatus* [Chicks]. 024687
Influence of methyl **bromide** *fumigation* on eggplant [toxicity] in relation to fertilization with ammonium sulphate. 028365
The *fumigation* of **seeds** with methyl bromide. 028329
Residual effect of **soil** *fumigation* with vine burning on control of Verticillium [albo-atrum] wilt of potato. 028060

FUNARIA

Three interesting and unusual mosses discovered in east Tennessee *[Funaria* **americana,** Ptychomitrium serratum, Turtula ruralis]. 025645
Sporophyte development of *Funaria* **hygrometrica** Sibth. [Musci]. I. Structural data of water and nutrient uptake in the haustorium. 026063
A simple method for exposing plastic embedded structures for scanning electron microscopy [Peristome teeth of the **moss** *Funaria* hygrometrica]. 026028

FUNDS *see* FINANCE

FUNGICIDES

Antifungal **activity** of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In vitro studies [Mycotic dermatitis, control]. 024561
Biochemical transformation by fungi, and *antifungal* **activity** of 1,4-naphthoquinones, of biosynthetic intermediary products, and of chemically related compounds. 026364
Lack of foliar protection from early blight [Alternaria solani] by **aircraft-applied** *fungicides* on sprinkler-irrigated potatoes. 028070
The results of testing some *fungicides* against **anthracnose** of citrus crops [Colletotrichum gloeosporioides]. 028099
Preliminary investigations on the effect of various *fungicides* **applied** during bloom on pollen germination and fruit set [Pears, peaches]. 027910
Nitrogen transformations in soil as affected by the *fungicides* **benomyl,** dyrene, and maneb [Effects on microorganisms]. 030177
Tolerance of Fusarium oxysporum f.sp.gladioli to **benzimidazole** *fungicides* [Gladiolus, corm rot]. 027884
Evaluation: Ethylenethiourea [Ethylene **bisdithiocarbamate** *fungicides,* **residues].** 029123
Fungicidal **control** of brown spot [Alternaria passiflorae] of passion fruit in Uganda. 027878
Benomyl [methyl N-(l-butylcarbamoyl) benzimidazol-2-yl carbamate] **residues** *[Fungicides* in **crops].** 029146
Annotated bibliography on growth-promoting properties of **dithiocarbamate** *fungicides,* 1966-1974. 028089
1974 evaluation of candidate pesticides. *Fungicides:* **fruit** trees. 027995
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or *fungicide* or both. 030479
Reduction of apple scab fungus [Venturia inaequalis] **inoculum** with *fungicides.* 028074
The development of agricltural antibiotics in Japan [Plant regulators, herbicides, **insecticides,** *fungicides].* 026596
Formulations for seed treatment *[Fungicides,* **insecticides].** 029180
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or **mildew** *fungicide* or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Miconazole nitrate: a **new** *antifungal* agent [Veterinary medicine]. 024779
Mode of action of a **new** *fungicide,* S-1358 [Monilinia fructigena]. 027973
Control of gray mold (Botrytis cinerea): effects of **new** *fungicides* (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). 028087
Aerial application of systemic and **nonsystemic** *fungicides* for control of mummy berry disease [Monilinia vaccinii-corymbosi] of highbush blueberry. 028066
Cytological effects of *fungicides,* **plantvax** and vitavax on somatic cells of Allium cepa [Onions]. 027945
Chromatographic methods for the anaysis of hexachlorobenzene *[fungicide]* and **possible** metabolites in monkey fecal samples [Human toxicology]. 029117
Fungicide **properties** of topsine for control of [Verticillium wilt of cotton]. 028001
Current problems of cereal **protection** and the use of *fungicide.* 028448
Hexachlorobenzene. IV. Accumulation and elimination of HCB in pigs after oral dosing *[Fungicide,* **residues].** 024983
Postharvest decay, weight loss, and *fungicide* **residues** on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
A rapid method for the determination of manganese ethylenebisdithiocarbamate *[fungicide]* and its **residues** on grains. 029114
Fungicide **resistance:** an approach to the problem. 028080
Compatibility of Rhizobium japonicum with chemical seed protectants *[Fungicides,* **soybeans,** nodulation]. 026888
Diaporthe phaseolorum var. Sojae (Lehman) Wehmeyer. Effect of some *fungicides* on **spore** germination of Diaporthe phaseolorum var. sojae (Lehman) Wehmeyer. 028084
Monilinia [laxa] life cycle on sweet cherries and its control by overhead **sprinkler** *fungicide* applications. 028072
Influence of formulation on efficacy of three **systemic** *fungicides* for control of oat leaf rust [Puccinia coronata avenae]. 027926
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after foliar application of Benomyl **[Systemic** *fungicides,* Penicillium expansum]. 028056
Hours and misfortunes of **systemic** *fungicides* in the control of gray rot [Botrytis cinerea] of grapes. 028092
Evaluation of **systemic** *fungicides* [Residues] Ref. 029125
Results of **testing** *fungicides* and seed dressers [Plant disease control]. 028119
Treat sunflower seeds in good **time** [with *fungicides].* 028121
Effects of some *fungicide* **treatments** on earthworm populations and leaf removal in apple orchards. 027991
1974 evaluation of candidate pesticides. *Fungicides:* **upland[fruit]** crops. 027994

FUNGITOXICANTS

Structure—activity relationships in *fungitoxicants* **related** to triforine and chloraniformethan. I. Synthesis and fungitoxicity to Erysiphe graminis on barley [Powdery mildew]. 028040
Structure-activity relationships in *fungitoxicants* **related** to triforine and chloraniformethan. II. Redistribution on barley and marrow seedlings. 028041
Structure—activity relationships in *fungitoxicants* **related** to triforine and chloraniformethan. III. A quantitative Hansch analysis [Barley, Erysiphe graminis, powdery mildew]. 028042

FUNGITOXICITIES

Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and *fungitoxicity* to **Erysiphe** graminis on barley [Powdery mildew]. 028040

FUNGUS

Plant growth promoting substances produced by **Actinomycete** 5406 *[Fungi].* 026327
Fungistatic **action** of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and root rot of cereals]. 028011
Isolation and characterization of a mutant of Neurospora crassa deficient in general amino acid permease **activity** *[Fungi].* 026407
Mechanisms of pellet formation of Aspergillus niger *[fungi]with* an **additive.** 026641
Pallidin. Purification and characterization of a carbohydrate-binding protein from POlysphondylium pallidum implicated in intercellular **adhesion** *[Fungi].* 026410
Purification of ribonuclease L from Aspergillus sp. *[Fungi]* by **affinity** chromatography. 026346
A comparison of Torrendia (Gasteromycetes) with Amanita **(Agaricales)** *[Fungi].* 025762
New and interesting *fungi* from **Alaska.** 025773
Studies on lignin formation in *fungus* **[Alternaria** japonica, Peronospora **parasitica]-infected** plants. 027904
Ultrastructure of hymenial cells in two Boletes [Tylopilus felleus, Suillus **americanus,** *fungi].* 026040
Genera coelomycetum. XII. Tracyella and **Amerodiscosiella** *[Fungi].* 025662
Neoechinulin D, a new isoprenylated dehydrotryptophyl metabolite from Aspergillus **amstelodami** *[Fungi].* 026561
Studies on Marasmius **androsaceus** *[Fungi].* 026329
Fungal **antagonists** for [biological] control of tomato Fusarium diseases. 027997
Biochemical transformation by *fungi,* and **antifungal** activity of 1,4-naphthoquinones, of biosynthetic intermediary products, and of chemically related compounds. 026364
New for Turkmenistan species of **aphyllophorous** *fungi.* 025707
Steroids from Ganoderma **applanatum** *[Fungi].* 026762
Observations on lignicolous **aquatic** *fungi* [Ecology, distribution, wood destroying fungi]. 025377
The effect of the nutrient medium on the formation and chemical composition of a polysaccharide produced by Aureobasidium pullulans (de By.) **Arn.** *[Fungi].* 026679
Electron microscopy of virus-infected cultivated mushroom and of an **ascomycete** *fungus.* 028238
On the apical structure of the rhizomorph of Sphaerostilbe repens B and Br. **(Ascomycetes)** *[Fungi].* 025970
Nomuraea rileyi *[Fungi]* **attacking** the velvetbean caterpillar, Anticarsia gemmatalis [pest of soybeans] in Parana, Brazil [Natural control]. 028740
Cortinarius, section Dermocybe: further studies on Cortinarius **aureifolius** *[Fungi].* 025767
The microbiology of [stored] cereals *[Fungi,* **bacteria].** 022741
Antibiotic fermentation, and their regulation *[Fungi,* **bacteria].** 026325
Antigenic independence of some microbial urate oxidases *[Fungi,* **bacteria,** yeasts]. 026611
Microbiocidal activities of some amide complexes of diphenyltin dichloride *[Fungi,* **bacteria].** 027947

Treatment of wounds on Acer rubrum with Trichoderma viride [caused by *fungi* and **bacteria**]. 027954
Agricultural antibiotics [Control of *fungal* and **bacterial** plant diseases]. 027963
Agricultural antibiotics in India [Control of *fungal* and **bacterial** plant diseases]. 027964
Physiological and biochemical aspects of specificity in plant-parasite interaction *[Fungus* and **bacterial** diseases]. 027977
The status of higher **basidial** *fungi* in the systematics of organisms. 025748
Production of resting spores of Entomophthora thaxteriana *[Fungi,* **Biological** control of pest insects]. 028667
Tryptophan metabolism of Phycomyces blakesleeanus. I. Elucidation of the pathway of indoleacetic acid **biosynthesis** *[Fungi].* 026413
Tryptophan metabolism of Phycomyces blakesleeanus *[Fungi].* II. The **biosynthesis** of nicotinic acid. 026414
The two-faced microbiologists: contributions of pure and applied microbiology to good research *[Fungi,* **biosynthesis].** 026537
Chromosomal proteins of Phycomyces **blakesleeanus** *[Fungi].* 026558
Isolation and characterization of microbodies and symphyomicrobodies with different buoyant densities from the *fungus* **Blastocladiella** emersonii. 025947
Guide to the literature for the identification of **British** *fungi* (3rd edition). 025647
New or interesting **British** *microfungi.* III. 025733
Macromycetes *[Fungi]* of **bushy** and ericaceous tundra in the valleys of Great and Small Vud"iavrs Lakes in the Khibiny Mountains. 025744
Three antimicrobial metabolites from Aspergillus **caespitosus** *[Fungi].* 026461
Notes on **cantharelloid** *fungi.* V. A new species of Cantharellus [ignicolor]. 025776
Sterol-binding polysaccharides of Rhizopus arrhizus, Penicillium roquefortii and Saccharomyces **carlsbergensis** *[Fungi].* 026763
Phenylacetic acid meta hydroxylase from Rhizoctonia solani [the **causal** *fungus* of a serious soilborne disease of plants]. 028045
Purification, crystallization, and properties of an endo beta-1,3-glucanase from Rhizopus **chinensis** R-69 *[Fungi].* 026345
Lethal and mutagenic effects of gamma rays on Chaetomium aureum **Chivers** *[Fungi].* 026133
Action of magnetic and electric fields on the growth and mutation rate of various microorganisms [Escherichia coli, bacteria, Penicillium **chrysogenum,** *fungi].* 026370
Physiological differences among isolates of Phytophthora **cinnamomi** *[Fungi].* 026455
Secondary structure of nuclease P1 [from Penicillium **citrinum,** *fungi].* 026347
Isolation and identification of cotylenins F and G [of a *fungus,* **Cladosporium**]. 026342
Isolation of diacetoxyscirpenol from Fusarium solani var. **Coeruleum** *[Fungi].* 026744
Evaluation of chemical products in the control of Pellicularia koleroga Cke. **[Coffee** *fungus* disease]. 028090
Fungus **collections** from the E. S. George Reserve, Livingston County, Michigan. 025769
Response of laboratory animals to a *fungus* **[Colletotrichum** gloeosporioides aeschynomene] used as a biological herbicide[to control Aeschynomene virginica in rice]. 028495
Morphology, development, and cytochemistry of the hyphae and sclerotia of species in the Rhizoctonia **complex** *[Fungi].* 025982
Fatty acid composition of lipids common to aquatic Hyphomycetes *[Fungi]* in **conditions** of artificial culture. 026674
Thermal death of *fungal* **conidia** [Aspergillus niger] in liquid paraffin. 026643
Survey and culture of the *fungal* **contaminations** of some feedstuffs. 023075
The function of slime from Physarum flavicomum *[Fungi]* in the **control** of cell division. 026458
Some characteristics of the 'Caida' disease of sugarbeet inChile, and its **control** *[Fungi].* 027962
Ultrastructural and electron cytochemical studies of Entomophthora **coronara** *[Fungi].* 025943
Genetic regulation of phosphate transport system II in Neurospora **[crassa,** *fungi].* 026091
Screening of new biogenic antimetabolites using prokaryotic and eukaryotic microbial models [Includes Neurospora **crassa,** *fungi.* 026416
Immunochemical studies on tyrosinase induction in Neurospora **[crassa,** *fungi].* 026551
Regulatory properties of reduced nicotinamide-adenine dinucleotide phosphate on a glutamate dehydrogenase from Neurospora **crassa** *[Fungi].* 026612
Partial amino-acid sequence of NAD-specific glutamate dehydrogenase of Neurospora **crassa** *[Fungi].* 026813
An ultrastructural study of 'phialospore' formation in Fusarium culmorum grown in continuous **culture** *[Fungi].* 025975
Effect of metal ions on Trichophyton rubrum **culture** *[Fungi].* 026806
Dispersal of microorganism *[fungi]* on **decaying** leaves and litter. 025903
The stages of *fungal* **decomposition** of forest litter. 030262
Synthesis of versicolorin A by a mutant strain of [the mold] Aspergillus parasiticus *[Fungi]* **deficient** in aflatoxin production [Heritability]. 026187
Observations on lignicolous aquatic fungi [Ecology, distribution, wood **destroying** *fungi].* 025377
Isolation of ergosterol peroxide from Alternaria **dianthicola** *[Fungi].* 026385
Spindle and kinetochore morphology of Dictyostelium **discoideum** *[Fungi].* 026022
Evidence for a sex hormone in Dictyostelium **discoideum** *[fungi].* 026192
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, *fungus* **disease** vectors]. 028746
Method of breeding for combined immunity of grapes to *fungus* **diseases** and Phylloxera. 026309
Humidity conditions and the development of *fungus* **diseases** in glasshouses [Pseudoperenospora cubensis, Bremia lactuceae, Botrytis cinerea]. 027879
Fababean *[fungus]* **diseases** in Saskatchewan in 1973 [Braodbeans]. 027930
Resistance of Jonathan apples to *fungal* **diseases** in storage. 028021
New *[fungus]* **diseases** of strawberry in Chile. 028095
Foot rot of cereals [Summaries of papers on *fungus* **diseases].** 028105
A preliminary study on the occurrence and distribution of geofungi in Lake Ontario near the Niagara River *[Fungi,* **distribution].** 025799
Nuclear **division** in *fungi.* 026011
Studies on bredinin II: [isolated from the *fungus,* **Dupenicillium** brefeldianum] immunological experiments. 026595
Interesting and new species of Basidiomycetes [Campanella, Russula, *Fungi]* from **Ecuador.** 025771
Taking into account the productive fruit and berry plants and **edible** *fungi* [growing in the forests in their management]. 025129
Biosynthesis of chitin by particulate fractions from Cunninghamella **elegans** *[Fungi].* 026671
Variation in average unit chain length of glycogen in relation to developmental stage in Blastocladiella **emersonii** *[Fungi].* 026684
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and **entomogenous** *fungus* of Lepidopterous pests of soybeans [Biological control]. 028747
The role of the perrennial stinging nettle, Urtica dioica, as a reservoir of beneficial natural enemies [Predators, parasites and **entomophagous** *fungi* on Microlophium carnosum]. 028636
The *fungus* **era** [Poultry, livestock, mycotoxicosis]. 024953
Amide utilization in Aspergillus nidulans *[Fungi]:* **evidence** for a third amidase enzyme. 026645
Differentiation in Coprinus lagopus *[Fungi].* III. **Expansion** of excised fruit-bodies. 025944
A conference dedicated to the up-to-date systematics of *fungi* **[February** 4-5, 1975, Moscow, USSR]. 025742
Synthesis of 10-hydroxy-cis-8-decene-4,6-diynoic and 9-hydroxy-cis-7-nonene-3,5-diynoic acids [from the *fungus* **Fistulina** pallida]. 026349
An enzyme with proteolytic action obtained from the *fungus* **Flammulina** velutipes (Fr.) Sing. 026672
Aflatoxin can be degraded by the mycelium of Aspergillus parasiticus *[Fungi,* **food** chemistry]. 026859
Cell culture in mycotoxin research *[Fungi* from **foodstuffs].** 021893
Ecological distribution of *micro-fungi* in **forest** soils of Japan. 030212
Historical outline of research on *Micromycetes* **[fungi]** in Slovenia since the Second World War. 025545
A method for systematic screening of insecticide substances in *fungi* of the class **Fungi** imperfecti. 026415
New or interesting records of British Hymenomycetes *[Fungi].* VI. 025774
Naturally occurring derivatives of zearalenone **[Fusarium,** *fungi].* 026593
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of pisatin by the *fungi* **[Fusarium** solani, Cladosporium. 027888
Ergot alkaloids. III. The isolation of N-methyl-4-dimethylallyltryptophan from Claviceps **fusiformis** *[Fungi].* 026846
Scanning electron microscopy of basidiospores as an indication of relationships among hypogeous **Gasteromycetes** *[Fungi].* 025780
Smithiogaster, a new genus of agaricoid **Gasteromycetes** *[Fungi].* 025781
Occurrence of *fungi* of the **genus** Fusarium on fruits and vegetables during their winter storing in the Turkmen SSR. 027989
The role of *fungi* of the **genus** Cytospora Fr. In the dieback of stone fruits in the Crimea. 028029
Spore **germination** of *fungi.* 026594
Utilization of nitrite nitrogen by four *fungi* **[Gliocephalotichum** bulbilium, Aspergillus] causing 'fruit rot' diseases. 028079
On convergent lines of similarity between *fungi* and some **groups** of animals. 026869
Escape from mating-type incompatibility in bisexual (A + a)Neurospora **heterokaryons** *[Fungi].* 026120
Studies on **higher** *fungi;* a collection of papers dedicated to Dr. Alexander H. Smith on the occasion of his seventieth birthday. 025786
Influence of some physical factors on the fructification of Basidiomycetes **higher** *fungi* (Bibliographic study). 026431
Dynamics of proteolytic activity in cultures of **higher** *fungi.* 026673
Factors influencing the growth of *fungi* in **high-moisture** corn treated with propionic acid. 027987
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago **hordei** *[Fungi].* 026114
The black mildew Appendiculella calostroma and its *fungal* **hyperparasites.** 027912
Ultrastructural study of asci: wall, apical apparatus, ascospore wall in inoperculate Discomycetes and **Hysteriales** *[Fungi].* 026041
A report of two cases of coccidioidomycosis in two dogs treated wtih amphotericin B [Coccidioides **immitis,** *Fungi].* 024718
A preparatory technique for examination of **imperfect** *fungi* by scanning electron microscopy. 026000
A method for systematic screening of insecticide substances in fungi of the class *Fungi* **imperfecti.** 026415
The *fungus-host* **interface** [Erysiphe pisi, peas]. 027981
Production of gibberellin-like substances by *fungi* **isolated** from mycorrhizae of pine (Pinus silvestris L.). 026323
Production of organic acids by *fungi* **isolated** from objects damaged by biocorrosion. 026677
On the resistance to benomyl of *fungi* **isolated** from bulbs and corms [Penicillium, Erythronium, Fusarium oxysporum]. 027882
A multiple inoculation technique for the screening of *fungal* **isolates** for the evaluation of growth and mycotoxin production on agar substrates [Feeds]. 023046
Laminarinases of Neurospora crassa *[fungi].* II. **Isolation,** purification and characterization. 026604
Laminarinases of Neurospora crassa *[Fungi].* II. **Isolation,** purification and characterization. 026605
The collection of *fungi* in the V. L. **Komarov** Botanical Institute of the USSR Academy of Sciences. VI. Agaricales, Gasteromycetales. 025559
The collection of *fungi* in the V. L. **Komarov** Botanical Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, Aphyllophorales, Tulasnellales, Dacrymycetales, Auriculariales, Tremellales. 025745
Chloramphenicol or tetracycline as antibiotics in selective media for studies on *fungi* **[Laboratory** animals]. 024730
Leaf **litter** *fungi* associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
Comparative cellulolytic ability of some **litter-inhabiting** *fungi.* 030304
Methods of **maintaining** *fungi* that utilize carbohydrates [for laboratory studies]. 026676
Drosophilin, a methyl ether from Mycena **megaspora** *[Fungi].* 026733
An epizootic outbreak of ringworm in a guinea-pig colony caused by Trichophyton **mentagrophytes** *[Fungi].* 024635
Compartmentation and regulation of *fungal* **metabolism:** genetic approaches. 026085
Fungal **metabolism** of trans-2-octenoic acid [by Mucor]. 026341
New and interesting species of Agaricales *[Fungi]* of **Mexico.** 025772
First indications on the mycorrhiza and **micorrhizal** *fungi* of exotic [Pinus] plantations of Upper Shaba (Zaire Republic) [Morphological study]. 025963
The role of cytoplasmic **microtubules** in *fungi.* 026013
Ultrastructure of the sporangiospore of Piptocephalis unispora **(Mucorales)** *[Fungi].* 025945
A nematode-destroying hyphomycete forming parallel multiseptate hyaline conidia in circular arrangement [Haptocara latirostrum, *Fungi,* **new** taxa]. 025583
Centenary of Pilaira (Van Tieghem, 1875) *[Fungi,* **new** taxa]. 025646
Additions to the genus Delitschia *[Fungi,* **new** taxa]. 025657
New *microfungi* on coastal Douglas fir [Pseudotsuga menziesii, Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, Phomopsis porteri]. 025663
A reevaluation of Panellus and Dictyopanus (Agaricales) *[Fungi,* **new** taxa]. 025765
A revision of the genus Alpova with notes on Rhizopogon and the Melanogastraceae *[Fungi,* **new** taxa]. 025766
Notes on Western species of Helvella. I. *[Fungi,* **new** taxa]. 025778
Some common North American species of Russula subsect. Emeticinae *[Fungi,* **new** taxa]. 025782
Some new North American species of Tomentella *[Fungi,* **new** taxa]. 025783
Studies in the Tricholomataceae: Hygrophoropsis, Cantharellula, Myxomphalia, Omphaliaster *[Fungi,* **new** taxa]. 025785
The structure of two new metabolites, emerin and emericellin, from Aspergillus **nidulans** *[Fungi].* 026351
Variation in four common species of the **Nidulariaceae** *[Fungi].* 026068
A sensitive method of glycogen determination in the presence of interfering substances utilizing the filter-paper technique [Aspergillus **niger,** *fungi].* 026363
Formation and cleavage of 2-keto-3-deoxygluconate by 2-keto3-deoxygluconate aldolase of Aspergillus **niger** *[Fungi].* 026624
Effect of urea on intracellular ribonuclease from Aspergillus **niger** *[Fungi].* 026829
Fate of pyruvate, formed nonphosphorolytically from gluconate by extracts of Aspergillus **niger** *[Fungi].* 026867
Phoma tropica n. Sp., a **nonpathogenic** *fungus,* commonly occurring on greenhouse plants. 028048
Glucoamylases of Aspergillus niger *[Fungi]* **NRRL** 330. 026602
Glucoamylases of Aspergillus niger **NRRL** 330 *[Fungi].* 026603
Fluorescent Feulgen staining of *fungal* **nuclei.** 026003
Catalysis by serine proteases and their zymogens. A study of acyl intermediates by circular dichroism [Aspergillus **oryzae,** *fungi].* 026401
Specificity of the S1 nuclease from Aspergillus **oryzae** *[Fungi].* 026631

Osmophilous *fungi* in the salt marshes of Kuwait. 030191
Notes on *fungi* of the **Owyhee** region. 025777
Prehistoric puff-balls *[Fungi,* **paleobotany].** 025648
Parasitic *fungi* of some plant associations of southwestern Turkmenistan flat lands. 027990
Parasitic *fungi* on [forage] legumes during the winter period in the foothill zone of Kabardino-Balkaria. 028018
Factors influencing the biosynthesis of aflatoxins [Aspergillus **parasiticus,** *Fungi].* 026601
Virus like **particles** in *fungi.* 028248
The effect of ecological factors on the vertical distribution of micromycetes [including plant **pathogenic** *fungi]* in soils of East Georgia [USSR]. 025746
Ultrastructure and chemistry of Epidermophyton floccosum cell walls [**Pathogenic** *fungi].* 026015
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of **pathogenic** *fungi* and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Cellulolytic enzyme production/non-production by some **pathogenic** *fungi.* 027944
Conidia liberation in Pyricularia [Plant **pathogenic** *fungi].* 027967
Mycoflora of the rhizosphere and roots of pome fruits in the Maritime Territory [**Pathogenic** *fungi].* 028015
[Fungal] **pathogens** observed on lodgepole pine [Pinus contorta latifolia] grown in Finland. 027955
A culture medium for certain species of *fungi*—**pathogens** of spot diseases. 028005
Interactions of Pythium myriothylum with several *fungi* in **peanut** pod rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Mycoflora of **pecans** treated with heat, low temperatures, or methyl bromide for control of the pecan weevil [Curculio caryae]. 028057
Basidiospore form in the British species of Naucoria, Simocybe and **Phaeogalera** *[Fungi].* 025730
Genetical effect of the toxin of the *fungus* **Phoma** tracheipfilla (Petri) Kantschaveli et Gikaschvili on citrus crops. 028097
Certain problems of bioecology of the *fungus* **Phomopsis** diospyri Bong. 028096
Effect of volatile substances from species of Labiatae on rhizospheric and **phyllospheric** *fungi* of Phaseolus vulgaris [Kidney beans]. 030282
Methods of determining the amount of sores produced by rust and other **phytopathogenic** *fungi.* 028014
The effect of ecological factors on the vertical distribution of *micromycetes* [including **plant** pathogenic fungi] in soils of East Georgia [USSR]. 025746
Observation by means of electron-microscope on the location of *fungi* in **plant** gall. 027974
Cytoplasmic filaments and their assembly into bundles in Physarum [polycephalum] **plasmodium** *[Fungi].* 026055
Calcium and magnesium contents of ectoplasm and endoplasm of Physarum polycephalum **plasmodium** *[Fungi].* 026816
Studies on the decomposition of lignosulfonates by the *fungi* **Pleurotus** ostreatus and Trametes pubescens. 026324
Phylogenetic relationships within the genus **Pluteus** *[Fungi].* 025779
Transmission and scanning electron microscopy of changes associated with microcyst formation in the myxamoebae of Physarum **polycephalum** *[Fungi].* 026001
Beet necrotic yellow vein virus and its relation to the *fungus,* **Polymyxa** betae. 027965
Isolation and identification of physcion, 4,5-dihydroxy-7-methoxy-2-methylanthraquinone, from the mycelium of Alternaria **porri** *[Fungi].* 026343
Preliminary studies on *mycoflora* of **poultry** feed and litter [Mycotoxicosis]. 024964
Ultrastructural organization of cystidia in the Basidiomycete Agrocybe **praecox** *[Fungi].* 026027
Mode of action of trichothecene mycotoxin [**produced** by various *fungi].* 026592
Conditions for induced fusion of *fungal* **protoplasts** in polyethylene glycol solutions [Penicillium chrysogenum]. 026376
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and **Pythium** *[Fungi].* 026378
Identity of two uncommon Amanitas *[Fungi]* in **Quebec.** 025770
Effect of nutrient starvation on the utilization of storage lipids in Mortierella **ramanniana** *[Fungi].* 028394
Factors affecting the germination of chlamydospore of Fusarium oxysporum f. **raphani** *[Fungi].* 026369
Sex hormones in Neurospora crassa *[Fungi].* **Renewed** evidence for their specificity (to "male sterility" of the A mating type). 026314
Accelerated evaluation of the germinating power of the spores of **resin** *fungi* [Cronartium]. 028107
Mycoflora of the **rhizosphere** and roots of pome fruits in the Maritime Territory [Pathogenic fungi]. 028015
A new species of Cortinarius (Telamonia) [ahsii, *Fungi]* from the **Rocky** Mountains. 025764
Crystal structure of pachyman triacetate. A preliminary report [Tree **root** *fungus* Poria cocos]. 026418
Action of Econazol on the fine structure of cells of Trichophyton **rubrum** *[Fungi].* 026039
Rust *fungi* (Uredinales) in the Lithuanian SSR. 028022
Development of the stem and crown **rust** *fungi* on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown **rust** *fungus,* oats, wheat, Puccinia graminis tritici]. 028052
The *mycoflora* of **sandy** desert soils covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the Repetek Reservation. 025747
The effect of the environment on the formation of fruit bodies of the species of the genus Chaetomium Fr. [**Saprophytic** *fungi].* 026678
Potato mop-top virus and its vector, [the powdery **scab** *fungus]* Spongospora subterranea. 027978
Reduction of apple **scab** *fungus* [Venturia inaequalis] inoculum with fungicides. 028074
Study of spores of operculate Discomycetes *[Fungi]* under **scanning** electron microscope. I. Morchellaceae. 026046
Specific inhibition of sclerotium formation by 2-mercaptoethanol and related sulfhydryl compounds in **Sclerotium** *rolfsii[Fungi].* 026456
Fungal **self-parasitism** in Saprolegnia megasperma. 026445
Fungal **self-parasitism** in Saprolegnia megasperma. 027917
Structure and function of *fungal* **septa.** 026012
Revision of the Seuratiaceae. II. Taxonomy and monenclature of **Seuratia** *[Fungi].* 025665
Revision of the Seuratiaceae. I. Morphology of **Seuratia** *[Fungi].* 025983
Surface-active spore **slimes** *[Fungi].* 026450
Historical outline of research on Micromycetes *[fungi]* in **Slovenia** since the Second World War. 025545
A new species of Boletopsis [**smithii,** *Fungi].* 025763
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [**Smut** *fungi].* 026113
Isolation and haploidization of heterozygous diploid strains in a species of Humicola [**Soil** *fungi].* 026201
Soil *fungistasis:* elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic volatiles in soils. 030192
Distribution of **soil** *fungi.* 030211
Metabolism of phenylalanine in Aspergillus **sojae** *[Fungi].* 026344
Fine structure of the macroconidia of Fusarium **solani** *[Fungi].* 025979
Fine structure of the macroconidia of Fusarium **solani** *[Fungi].* 025980
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by resting mycelia of aspergillus parasiticus *[Fungi,* **soybeans].** 021983
On Fennoscandian polypores. IV. Phellinus igniarius, Phellinus nigricans and Phellinus populicola, n. **sp** *[Fungi].* 025602
Society autumn foray Cambridge, 5th—12th September, 1974. List of **species** *[Fungi].* 025649
A note on the isolation of Entomophthora *[Fungi]* **species** on artificial media [Insect pests, biological control]. 028666
About the toxins of **spheropsidal** *fungi* [plant pathogens]. 028006
Photocontrol of *fungal* **spore** germination [Puccinia graminis tritici, wheat stem rust]. 028077
Perforation and lysis of *fungal* **spores** in natural soils [Cochlioobolus sativus, cereals, root-rot]. 027976
Extracellular enzyme system utilized by the *fungus* **Sporotrichum** pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550
New species of Crepidotus [viridiphyllus] (Fr.) **Staude** *[Fungi].* 025775
The effect of various sources of carbon and nitrogen in an artificial nutrient medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et Hanzawa **(strain** B) *[Fungi].* 026680
Influence of amino acids, thiourea and hydroquinone on cellulolytic activity in some Fusarium *[Fungi]* **strains.** 026322
Secondary metabolites of Penicillium stipitatum Thom. *[Fungi].* I. **Substances** of tropolone character. 026417
Nucleoproteids from sprouts of potato varieties resistant and susceptible to the *fungus* **Synchytrium** endobioticum (Schilb.) Perc. [Wart]. 028016
Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and protein **synthesis** *[Fungi].* 026390
Systemic *fungal* infections in pets. 024679
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of barley infected by the **take-all** *fungus* Gaeumannomyces graminis. 027898
Occurrence and nature of naturally-occurring antagonism to Gaeumannomyces graminis [Wheat **take-all** *fungus].* 027975
Studies in fruit-body development in the Bolbitiaceae *[Fungi]* and the **[taxonomic]** implications of such work. 025784
Temperature and pH [hydrogen-ion concentration] optima for 21 species of thermophilic and **thermotolerant** *fungi.* 026457
Combined heat-irradiation effect on deoxyribonucleic acid of Pennicillium expansum LK. ex. **Thom** *[Fungi].* 026613
Inoculation of Basidiomycetes into mice: tissue reaction and survival of *fungi* in **tissues.** 024649
Chemical composition of the hyphal wall of a **toxigenic** *fungus,* Penicillium rubrum stoll. 026646
Fungal **toxins** as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Microbiologic contamination of bovine semen [Candida **tropicalis,** *fungi].* 024226
Taxonomic studies on the genus Rhizopogon *[Fungi].* I. **Two** new species from the Pacific Northwest. 025787
The status of the genus Suillus *[Fungi]* in the **United** States. 025788
Mutinus caninus and Lycoperdon echinatum found at Kapellskar, **Uppland** *[Fungi].* 025825
Differential activity staining: its use in characterization of guanylylspecific ribonuclease in the genus **Ustilago** *[Fungi].* 026810
The nature of the infectious agent of tobacco stunt [virus] in relation to its *[fungus]* **vector,** Olpidium brassicae. 027983
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae *[fungus* **vector]** and transmission by sap inoculation. 028236
Chemical and structural differences in mycelial and regeneration walls of Trichoderma **viride** *[Fungi].* 026375
The effect of heat shock on differentiation of germinating conidia of Trichoderma **viride** *[Fungi].* 026451
Biochemical and biological aspects of *fungal* **viruses.** 027966
Electron microscopic study of several *fungal* **viruses.** 027969
Some recent advances in the study of *fungal* **viruses.** 027980
Isolation and characterization of **viruses** from *fungi.* 028239
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by *fungistatic* **volatiles** in soils. 030192
Moisture control in laboratory tests with **wood-rotting** *fungi.* 025379
Toxicity tests of some chemicals against certain **wood-staining** *fungi.* 025381
The immune response to polysaccharides from **yeast-like** *fungi* in sensitized experimental animals. 024651
Germination of zygospores of the *fungus* **Zygorhynchus** japonicus Kominami. 026675

FUNNELS

Wire gauze size and the efficiency of **Berlese-Tullgren** *funnels* [Soils]. 030278
The role of the principal and accessory eyes in the photomenotactic orientation of the *funnel* **spider** Agelena labyrinthica (Cl.). 029513

FURAN

Production of furfural and *furan* **compounds** [using wood pulp and cereal lignin] in foreign countries. 025321

FURANOID

Furanoid **fatty** acids from fish lipids. 022516

FURANSEQUITERPENE

Carbon-13 NMR [nuclear magnetic resonance] spectra of some *furanosesquiterpenes,* **major** components of Lindera strychnifolia. 026845

FURAZOLIDONE

Blood glucose and tissue glycogen levels in turkey poults with spontaneous round heart disease and *furazolidone-induced* **cardiomyopathy.** 024818

FURFUROL

Production of *furfural* and **furan** compounds [using wood pulp and cereal lignin] in foreign countries. 025321
Clarification of extracted colophony by **moistened** *furfurol.* 025299
Modification of content of volatile admixtures in hydrolysates during their processing **[Terpenes,** *furfurol].* 025315
Periodical extraction of *furfurol* with **trichloroethylene** from water solutions [Wood hydrolisis]. 025318

FUROCOUMARINS

Isogosferol—a **new** *furocoumarin* form the roots of Prangos lophoptera. 026485
Quantitative determination of the *furocoumarins* in the **preparation** "psoberan" by gas-liquid chromatography. 026494

FURS

Potentialities of *fur* **[animal]** farming on reservoirs. 023168
State and prospects of *fur* **farming** with the Siberian sable [USSR]. 023108

FURYL

The induction and the oncogenic mechanism of urinary bladder cancer in rats with *N-[4-(5-nitro-2-furyl)-2-tahiazolyl]* **formamide** (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of urinary bladder cancer in rats with *N-[4-(5-nitro-2-furyl)-2-thiazolyl]* **formamide** (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867

FURYLFURAMIDE
Carcinogenicity of the food **additive** *furylfuramide* in foetal and young mice. 021954

FUSARIUM
Investigations on the susceptibility of maize hybrids against root rot *[Fusarium,* **Aureobasidium** bolleyi]. 028103
Fusarium **avenaceum** on butternut pumpkin. 027869
Effect of time of digging on incidence of *Fusarium* **[basal]** rot in tulip bulbs. 027877
An ultrastructural study of 'phialospore' formation in *Fusarium* **culmorum** grown in continuous culture [Fungi]. 025975
This is not a *Fusarium* **disease!** [Cereals]. 028120
Influence of amino acids, thiourea and hydroquinone on cellulolytic activity in some *Fusarium* **[Fungi]** strains. 026322
Naturally occurring derivatives of zearalenone *[Fusarium,* **fungi].** 026593
Fusarium and **fusarioses** of cereals. 028093
Occurrence of fungi of the **genus** *Fusarium* on fruits and vegetables during their winter storing in the Turkmen SSR. 027989
Moldy *[Fusarium* **graminearum]** wheat refusal by swine. 023896
Colonization of ergot [Claviceps purpurea] honeydew by *Fusarium* **heterosporum.** 028050
Isolation and characteristics of phytotoxic substance produced by *Fusarium* **lateritium** Nees. 028013
Some aspects of mycotoxicoses from *Fusarium* **[Livestock].** 024991
Factors affecting the germination of chlamydospore of *Fusarium* **oxysporum** f. raphani [Fungi]. 026369
On the resistance to benomyl of fungi isolated from bulbs and corms [Penicillium, Erythronium, *Fusarium* **oxysporum].** 027882
The occurrence of *Fusarium* **oxysporum** in soils, and on Narcissus and tulip [Basal rot]. 027883
Tolerance of *Fusarium* **oxysporum** f.sp.gladioli to benzimidazole fungicides [Gladiolus, corm rot]. 027884
A foot and root rot disease of tomato caused by *Fusarium* **oxysporum.** 027927
Hybrid forms of malate dehydrogenase of *Fusarium* **oxysporum** f. sp. vasinfectum and the cotton plant. 027950
Activity of mitochondrial adenosine triphosphate enzyme in pathogenically different forms of *Fusarium* **oxysporum** Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. 028007
The effect of membrane-active substances and antibiotics with a systemic action on *Fusarium* **oxysporum** Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, Botrytis cinerea]. 028026
Behavior of **pathogenic** *Fusarium* oxysporum in different soiltypes, with special reference to the interaction of the pathogen and other microorganisms. 030210
Studies with *Fusarium* **[roseum]-infected** corn [Swine, feed toxicity]. 023070
Fine structure of the macroconidia of *Fusarium* **solani** [Fungi]. 025979
Fine structure of the macroconidia of *Fusarium* **solani** [Fungi]. 025980
Isolation of diacetoxyscirpenol from *Fusarium* **solani** var. Coeruleum [Fungi]. 026744
Fusarium **solani** on cauliflowers in Victoria. 027870
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of pisatin by the fungi *[Fusarium* **solani,** Cladosporium. 027888
Interactions of Pythium myriothylum with several fungi in peanut pod rot *[Fusarium* **solani,** Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Fungal antagonists for [biological] control of **tomato** *Fusarium* diseases. 027997
Resistance of soybeans to root rots and wilting *[Fusarium,* **Verticillium,** Sclerotinia]. 028118
Fusarium **wilt** of alfalfa and studies of disease resistance. 026171

FUSCUS
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, **Gnophothrips** *fuscus,* Dioryctria, Laspeyresia]. 028938

FUSIFORMIS
Ergot alkaloids. III. The isolation of N-methyl-4-dimethylallyltryptophan from **Claviceps** *fusiformis* [Fungi]. 026846
Infectious diseases of the intestinal tract: the secret of coccidiosis is further revealed **[Sarcocystis** *fusiformis,* cats, dogs]. 024745

FUSION
Postgenital **carpel** *fusion* in Catharanthus roseus. II. Fine structure of the epidermis before fusion. 026061
Postgenital **carpel** *fusion* in Catharanthus roseus. III. Fine structure of the epidermis during and after fusion. 026062
Evidence for a species-specific **cell** *fusion* hormone in red algae [Griffithsia]. 026818
Postgenital carpel fusion in Catharanthus roseus. II. Fine structure of the **epidermis** before *fusion.* 026061
Postgenital carpel fusion in Catharanthus roseus. III. Fine structure of the **epidermis** during and after *fusion.* 026062
Conditions for **induced** *fusion* of fungal protoplasts in polyethylene glycol solutions [Penicillium chrysogenum]. 026376
Influence of concanavalin A, wheat germ agglutinin, and soybean agglutinin on the *fusion* of **myoblasts** in vitro. 026977
Nuclear *fusion* in intergeneric heterokaryons. A note [Peas]. 026111
The study on the *fusion* of **plant** protoplasts. 026524
Contribution to the teratology of the honeysuckles and to the *fusion* **problem.** III. Association of the biflora cyme with ontogenetic gamophylly [Lonicera nigra, Lonicera orientalis, Lonicera nigra pyrenaica, Lonicera xylosteoides]. 026107
Plant tissue culture methods in somatic hybridization by **protoplast** *fusion* and transformation. 026074
Notes on disease resistance of tissue culture sub-clones and *fusion* of **sugarcane** protoplasts [for the improvement of varieties]. 026294

GAEUMANNOMYCES
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of barley infected by the take-all **fungus** *Gaeumannomyces* graminis. 027898
Occurrence and nature of naturally-occurring antagonism to *Gaeumannomyces* **graminis** [Wheat take-all fungus]. 027975
Problems of the biological soil disinfection *[Gaeumannomyces* **graminis].** 027979

GAILLARDIA
Taxonomic study of *Gaillardia* **pulchella** (Asteraceae-Heliantheae). 025853
A novel pseudotwistane, pulchellon from *Gaillardia* **pulchella.** 026512

GALACTOSIDASES
Preparation of **immobilized** *beta-galactosidase* by poly(vinylpyrrolidone) and the continuous hydrolysis of lactose in acid whey. 022564
Degradation of raffinose and stachyose in soybean milk by *alpha-galactosidase* from **Mortierella** vinacea. Entrapment of alpha-galactosidase within polyacrylamide gel. 022781

GALACTOSYLTRANSFERASES
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of **collagen** *galactosyltransferase* and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Heterogeneity of human **milk** *beta(1-4)-D-galactosyltransferase.* 022083

GALERUCINAE
A new Luperus [(Calomicrus) macedonicus] species from southern Yugoslavia (Coleoptera, **Chrysomelidae,** *Galerucinae).* 029561
Beetles—Coleoptera: leaf beetles—Chrysomelidae; subfamilies: **Chrysomelinae** and *Galerucinae.* 029616

GALIUM
Further taxonomic notes on Rubiaceae in Europe *[Galium,* **Cruciata].** 025793

GALL
Crown-gall **[Agrobacterium** tumefaciens] on castor bean leaves. V. Effect of light and chlorophyll content on tumour initiation. 028130
Promotion of DNA renaturation by a non-DNA factor in [tobacco] **crown** *gall* tumor DNA preparations [Agrobacterium tumefaciens]. 028134
The development of the *gall* **midge** Lasioptera arundinis (Schiner) (Diptera, Cecidomyiidae) on the common reed (Phragmites communis Trin.). 028668
Inheritance of *gall* **midge** (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. 028719
Gall **nematode** [Control, vegetables]. 028468
Observation by means of electron-microscope on the location of fungi in **plant** *gall.* 027974
Occurrence of **plant-parasitic** *gall* and cystic nematodes of Cactaceae. 028376

GALLBLADDER
Rupture of the *gallbladder* in the **canine** and it's surgical correction; a case report. 024993
The development of the guinea **pig** *gallbladder* epithelial cells. I. Light microscopical and carbohydrate-histochemical investigations. 023423

GALLERIA
Indirect action of the larval food of an alternative **host** *(Galleria* mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
The effects of ulravolet irradiation on a Baculovirus [nuclear polyhedrosis virus] **infecting** *Galleria* mellonella. 029430
Multiple viral infections of insect cells and host pathogenesis: multicomponent viral insecticides *[Galleria* **mellonella,** biological control]. 028653
Role of the perisympathetic organs in the activation of oviposition in *Galleria* **mellonella** (Lepidoptera). 029274
Lysozymelike lytic enzyme of Streptococcus faecalis and itsrole in the larval development of wax moth, *Galleria* **mellonella.** 029426
Teratogenicity of the thermostable beta exotoxin of Bacillus thuringiensis in *Galleria* **mellonella.** 029429

GALLERIIDAE
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, *Galleriidae)* on the **reproductive** possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268

GALLIUM
Germination-regulating mechanisms in aquatic angiosperms. II. **Aeschynomene** *aspera,* L. 026426

GALLUS
Characteristics of the noradrenergic innervation of the left atrium in the **chick** *(Gallus* gallus domesticus, L.). 023381
Comparative studies of cortisol complexes formed with cytosol proteins from embryonic **chicken** *(Gallus* domesticus) and adult rat (Rattus rattus) liver. 023447
A comparison of variations in plasma luteinizing hormone concentrations in male and female domestic **chickens** *(Gallus* domesticus) from hatch to sexual maturity. 023512
Production and fates of unique organelles (transosomes) in ovarian follicles of *Gallus* **domesticus** [chickens] under various conditions. II. 024057
Triploidy and haploid-triploid mosaicism among chick **embryos** *(Gallus* domesticus). 024059
Characteristics of the noradrenergic innervation of the left atrium in the chick **(Gallus** *gallus* domesticus, L.). 023381

GAMBUSIA *see* **FISH**

GAME
What **food** is it? *(Game).* 022244
Spice and herb **roulette** *(Game).* 022243
Comparison of seven forest types for *game* in **West** Virginia. 025038

GAMETES
Gametic **differentiation** in Chlamydomonas reinhardtii [Algae]. I. Production of gametes and their fine structure. 026019
Gametic **differentiation** in Chlamydomonas reinhardtii [Algae]. II. Flagellar membranes and the agglutination reaction. 026199
Gametic **differentiation** in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in wild-type and mutant strains. 026200
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. I. Production of *gametes* and their **fine** structure. 026019

GAMETOGENESIS
Gametogenesis and **pollination** processes in Ornithopus pinnatus (Mill.) Druce in reference to flower bud development. 026333

GAMETOPHYTES
Growth regulation by ethylene in **fern** *gametophytes.* IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. 026355
Cytology of exceptional development of the **male** *gametophyte* in Ophiorrhiza mungos. 025977
Abnormalities in the development of **male** *gametophyte* in Morus laevigata. 025998

GAMMA
Betel nut [Areca catechu] constituents as inhibitors of *gamma-aminobutyric* **acid** uptake. 022526
An application of the **aerial** *gamma* monitoring techniques for measuring snow cover water equivalents on the Great Plains. 030700
Alpha- and *gamma-BHC* **[benzene** hexachloride] in Tokyo rainwater (December 1968 to November 1969) [Environmental pollution]. 030868
Effect of *gamma-irradiation* on **development** of lachrymator of onion. 027098
Erythrocyte *gamma-aminolevulinic* acid dehydrase changes in the preruminant calf. 023507
Elimination of Salmonella from fermented pork by *gamma* **irradiation.** 021959
Effects of roasting temperatures and *gamma* **irradiation** on the content of chlorogenic acid, caffeic acid and soluble carbohydrates of coffee. 022480
Effects of *gamma* **irradiation** and storage temperature on carotenoids and ascorbic acid content of mangoes on ripening. 022949
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of *gamma* **irradiation** to the sperm on F1 egg development [Apples, pest control]. 028865
Gamma **irradiation** of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Melon flies [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with *gamma* **irradiation** in a nitrogen atmosphere. 028868
Gamma **irradiation** of adult Plodia interpunctella: Effects on mating, sterility, and number of progeny [in stored peanuts in Georgia]. 028969
Persistence of *gamma-BHC* **[lindane]** and beta-BHC [benzene hexachloride] in Indian rice soils under flooded conditions. 028770
Evidence against the participation of the *gamma-glutamyltransfease-gamma-glutamylcyclotransferase* **pathway** in amino acid transport by rabbit erythrocytes. 023279
The *serum-gamma-globulin* **picture** in cattle and sheep with leucosis. 024809

Extending the shelf-life of cultivated mushrooms by *gamma* **radiation.** 022901
The use of *gamma* **radiation** for killing the Trichina larvae in nham and pork. 024680
Display of two reaction patterns after exposure of barley seeds to *gamma* **radiation** of 60Co [cobalt isotope] in air. 026916
Effects of *gamma* **radiation** on the egg stage of the southern cowpea weevil, Callosobruchus maculatus F. 028895
Lethal and mutagenic effects of *gamma* **rays** on Chaetomium aureum Chivers [Fungi]. 026133
The joint action of *gamma* **rays** and ethylenimine during the presynthetic period of the mitotic cycle on cells of seeds of Crepis capillaris. 026287
Gamma-coniceine **reductase** in Conium maculatum. 026740
Subcellular localization of *gamma-aminobutyrate* **transaminase** and glutamate dehydrogenase in adult rat brain. Evidence for at least two small glutamate compartments in brain. 023289

GANGLIA
Membrane potential changes induced by 5-hydroxytryptamine in the rabbit superior **cervical** *ganglion.* 023327
Effect of depolarizing agents on the adenosine-3'5'-monophosphate content of the bovine superior **cervical** *ganglion.* 023593
Norepinephrine release from nerve terminals within the rabbit superior **cervical** *ganglion.* 023596
Some physiological and pharmalogical characteristics of the stimulus induced release of norepinephrine from the rabbit superior **cervical** *ganglion.* 023598
Chemical stimulus determinants of cat **geniculate** *ganglion* chemoresponsive group II unit discharge [Taste]. 023370

GANGRENE
The role of the infectious bursal agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and *gangrenous* **dermatitis** [Broilers]. 024451
Laboratory testing for the resistance of potato tubers to *gangrene* (**Phoma** exigua var. foveata). 028047

GANODERMA
Steroids from *Ganoderma* **applanatum** [Fungi]. 026762

GARCINIA
Phenolic compounds from the heartwood of *Garcinia* **mangostana** [Mangosteen]. 026754

GARDENERS
The **absentee** *gardener* [in Jersey, England]. 027769

GARDENS
About the interest of apartment dwellers in **allotment** *gardens,* static caravanning plots, and weekendhome plots. III. 021204
Garden for the **blind** [Lenny Santoro Memorial Garden]. 027701
Should **botanic** *gardens* save rare plants? [Plant conservation]. 025563
Brookgreen *Gardens* in South Carolina. 025542
Hedges for **Canadian** *gardens.* 027819
Influence of various conbinations of silybine, silydianine and silychristine on the embryonic growth of *garden* **cress** (Lepidium sativum L.). 027173
Herbicides in the landscape and *garden.* 1. 028522
Herb *garden* in a historic setting [Hamar Museum]. 025564
Caladiums [Caladium bicolor] in the **home** *garden* [Culture]. 027727
Fresh fruits and vegetables from the **home** *garden* [Culture]. 027804
Fresh fruits and vegetables from the **home** *garden* [Culture]. 027805
Diseases of vegetable crops in **home** *gardens.* 028349
Trickle irrigation: guidelines for use in the **home** *garden.* 030718
Green manuring in **hop** *gardens.* 030523
Licking the bug problem in 1975 *[Gardens,* **insect** pest control]. 028812
Garden for the blind [Lenny Santoro **Memorial** *Garden].* 027701
Micro *gardens* [Terrariums]. 027685
Premature budding of *garden* **mum** [Chrysanthemum]. 027162
Garden **ornaments** wild and whimsical. 027690
Heterosis in *garden* **pea** (Pisum sativum var. Hortense). 026185
Camellia **species** for the *garden.* 027667
In the Chelsea **tradition** *[Gardens].* 027768
Planting the *garden* by the **weather.** 027817
Vegetable cultivars and planting guide for **Wisconsin** *gardens* 1976. 027585

GARLIC
Studies on the drying and packaging of **chilli** and *garlic.* 022535
Garlic, an **old** culture and drug plant. 027747
Analysis of *garlic* **supply** in Minas Gerais from 1948 to 1970 [Supply and demand, prices]. 021628

GASEOUS
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and *gaseous* **factors.** 026388

GASES
On the problem of isolation of pyrocatechol from *gas-generated* **acid** water [Wood technology]. 025406
Gas-liquid **chromatographic** determination of vinyl chloride in vinyl chloride polymers, food-stimulating solvents, and other samples [Food packaging material]. 021913
Uniform method for manufacturing sugar oxime silyl derivatives for *gas* **chromatographic** analysis. 022748
Gas **chromatographic** determination of diols and glycerol in flavor bases and flavored wines. 022923
Gas **chromatographic** determination of [the antioxidant] ethoxyquin in feed and food products. II. 023042
Gas **chromatographic** determination of pentosans in plant raw material [Wood]. 025308
Gas **chromatographic** characteristics of authentic chlorinated dibenzofurans; identification of two isomers in American and Japanese polychlorinated biphenyls. 029108
Gas-liquid **chromatographic** determination of naled in pesticide formulations. 029132
Gas **chromatographic-mass** spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some organic solvents. I. 023041
Analysis of some carbamate and urea herbicides in foods by *gas-liquid* **chromatography** after alkylation [Residues]. 021906
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and *gas* **chromatography.** 021963
Use of *gas* **chromatography** in the study of milk and milk products with special regard to proof of foreign fats. 022607
Extraction and concentration of the volatile constituents of cereals grains with a view to their analysis by *gas* **chromatography.** 022739
Use of *gas* **chromatography** to determine the lactic acid in silage. 023051
Turnover of plasma oleic acid measured by *radio-gas* **chromatography.** 023413
Quantitative determination of the furocoumarins in the preparation "psoberan" by *gas-liquid* **chromatography.** 026494
A GLC *[gas-liquid* **chromatography**] procedure for determining sub-nanogram levels of indol-3-yl acetic acid. 026708
Determination of paraquat [herbicide] residues in food crops by *gas* **chromatography.** 028500
Examination of acetolysis products of phosphatidylcholine by *gas* **chromatography-mass** spectrometry. 022515
On-line measurement of *gas-exchange* **conditions** in fermentation processes [Candida utilis, yeasts]. 022384
Virus inactivation by ethylene oxide **containing** *gases* [Cats]. 024402
The use of carbon dioxide as a **cryogenic** *gas* [Food freezing]. 022469
Fluorimetric and *gas-chromatographic* **determination** of selenium in biological substances [Human and animal toxicity]. 022216
Use of the frontal-adsorptive concentration method for the analysis of **dissolved** *gases* in must and wine. 023000
Direct PCO2 [carbon dioxide partial pressure] measurements in the **dorso-bronchial** *gas* of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Purification of odorous **effluent** *gases* by oxidation using sodium chlorite [Food processing industry]. 030895
Enhancement of CO2 [carbon dioxide] *gas* **exchange** in the leaves of Convallaria majalis L., its action spectrum and light saturation. 027275
Gastrointestinal *gas* production in rats fed on diets containing germinated legumes [Green-gram, chickpea and cowpea]. 022183
Piglets reared from *gas* **infrared** rays. 029926
Gas **metabolism** in ovine rumen cultures on a nitrogen-deficient medium. 023357
Influence of biological activity in the soil by natural and **municipal** *gas.* 030391
Natural *gas,* an energy source for dairies that is favorable to the environment. 029931
Photosynthetic reduction of **nitrite** *gas* injury to vegetables [Cucumbers, kidney beans]. 028316
The initial organic products of fixation of 13N [nitrogen isotope]-labeled **nitrogen** *gas* by the blue-green alga Anabaena cylindrica. 026395
Studies on the mode of *gas* **production** in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle fed beet pulp. 023576
Stimulation of *gas* **production** from cowdung by algal [Oscillatoria chalybea] supplementation. 029916
Radio *gas* chromatographic analysis of volatile aldehydes originating from soybean and oat lipoxygenase linoleic acid oxidation. 022850
Influence of **refuse** *gas* formation on soils. 030352
Gas **regime** of industrial chips relative to change in quality and density during open storage. 025393
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in **respiratory** *gas* exchanges. 023377
A simple method for the sampling of **respiratory** *gas* in conscious dogs. 023607
Studies on the eructation mechanims in the sheep. III. The composition of the eructated **rumen** *gases* with different rations. 024255
Simple designs of *gas* **sampling** in field soils and measuring contents of carbon dioxide and oxygen. 030227
The use of magnesium phosphide tablets with hydrogen phosphide in *gas* **treatment** of wheat in silos. 023029
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an **ultraviolet** *irradiation-gas-liquid* chromatographic technique. 021911
Relationship between LP [liquified petroleum] *gas* **usage** and amount of roof insulation in Arkansas broiler houses. 029905

GASTEROMYCETES
Smithiogaster, a new genus of **agaricoid** *Gasteromycetes* [Fungi]. 025781
Scanning electron microscopy of basidiospores as an indication of relationships among **hypogeous** *Gasteromycetes* [Fungi]. 025780
A comparison of **Torrendia** *(Gasteromycetes)* with Amanita (Agaricales) [Fungi]. 025762

GASTRIC
Effect of bulbar acidification on *gastric* **acid** responses to urecholine in Pavlov pouch dogs. 023181
Interstitial fluid pressure in **canine** *gastric* mucosa. 023218
Reduction of *gastric* **carcinogens** with ascorbic acid [Food leftovers, nitrite]. 021839
Perietal cell vagotomy in dogs. Influence on Heidenhain pouch acid secretion, serum gastrin concentration, *gastric* **emptying** and motility. 024308
Effect of amodiaquine on *gastric* **histamine** methyltransferase and on histamine-stimulated gastric secretion [Dogs, swine]. 023323
Calcium requirements after *gastric* **operations** (a balance study). 022166

GASTRIN
Gastrin **activity** along the gastrointestinal tracts of some ruminants and the donkey [Cattle, goats, sheep]. 023416
Perietal cell vagotomy in dogs. Influence on Heidenhain pouch acid secretion, **serum** *gastrin* concentration, gastric emptying and motility. 024308

GASTROENTERITIS
Control of **parasitic** *gastroenteritis* in goats [Coccidiosis, gastrointestinal nematodosis]. 024582
Observation and investigation of **parasitic** *gastroenteritis* (PGE) in cattle in the northeast [Thailand]. 024676
The influence of pH [hydrogen-ion concentration] on the growth and stability of **transmissible** *gastroenteritis* virus in vitro [Swine]. 024426
Transmissible *gastroenteritis* of swine in Colombia, an imported disease. 024744

GASTROINTESTINAL
Gastrointestinal **gas** production in rats fed on diets containing germinated legumes [Green-gram, chickpea and cowpea]. 022183
Anthelmintic efficiency of Mebendazole premix on *gastrointestinal* and **lung** helminthiases of sheep. 024759
Distribution and succession of the *gastrointestinal* **microbiota** in monogastric animals. 023425
Control of parasitic gastroenteritis in goats [Coccidiosis, *gastrointestinal* **nematodosis].** 024582
Suturable *gastrointestinal* cannulas for animals of various sizes [Rabbits, rats, dogs]. 023474
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the *gastrointestinal* **tract** of the chicken. 023541
Gastrin activity along the *gastrointestinal* **tracts** of some ruminants and the donkey [Cattle, goats, sheep]. 023416

GEESE
Second parasitological inquiry in Guadeloupe. 1. Trematodes of aquatic birds **[Ducks,** *geese].* 024493
Ways of **increasing** *goose* meat production in the USSR. 023169
Chronic lesions in *geese* **photosensitized** by Ammi majus. 024819
Influence of treatment for natural nematode invasion in *geese* upon **selected** values of hematological and biochemical examinations. 024758
Full ration feed mixtures with different nutritive value in fattening young Italian **White** *geese.* 023808

GELATIN
The photoelastic model for soil-machine system with the **aid** of *gelatin.* 030119
Caffeine determination by *gel* **chromatography** [Beverages]. 022551
Studies on groundnut proteins. IV. Effect of storage or proteolysis on the *gel* **electrophoresis** pattern of arachin. 022776
Matrix-bounded enzyme. II. Potato phosphorylase entrapped in polyacrylamide gel after *gel* **electrophoresis.** 022898

Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and *polyacrylamide-gel* **electrophoresis.** 028279
A simulated **fruit** *gel* suitable for freeze dehydration. 022496
Lipophilic *gel* chromatography for isolating sterines and squalenes from unsaponifiable matter of fats. 022422
The analysis of bee moth larval tissue proteins by the method of electrophoresis in **polyacrilamide** *gel* [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Utilization of edible protein from meat industry by-products and waste. V. The characterization of extracted proteins, using **polyacrylamide** *gel* electrophoresis. 022505
Degradation of raffinose and stachyose in soybean milk by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within **polyacrylamide** *gel*. 022781
Matrix-bounded enzyme. II. Potato phosphorylase entrapped in **polyacrylamide** *gel* after gel electrophoresis. 022898
SDS [sodium dodecyl sulfate] **polyacrylamide** *gel* electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Behaviour of 7-methyljuglone and two related naphthoquinones on **silica** *gel* exposed to air [Ebenaceae]. 026637

GELATION

Effect of orange juice parameters on *gelation* in **hot-pack** concentrate. 022940
Single-cell protein production by photosynthetic bacteria **[Rhodopseudomonas** *gelatinosa]* cultivation in agricultural by-products. 022385

GENERATION

Meat efficiency of the F11 *generation* **crossbred** of the Slovak Spotted cattle with the Black Pied Lowland cattle. 022713
An analysis of the *generation* of **household** solid wastes from consumption [Pollution]. 030957
Selections in initial **hybrid** *generations* [of cotton]. 026213
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the *generative* **nucleus** in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Competition of Drosophila. II. Consistency of **one** *generation* test in the measurement of interference. 029303
Variability of traits of *generative* **organs** in Quercus roburin southeastern Kazakhstan. 026016
Dieldrin and DDT in the tissues of mice fed aldrin and DDT for **seven** *generations.* 024940
Inherited partial sterility and chromosomal rearrangements in **succeeding** *generations* after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Effects of daylength over one complete and a partial **succeeding** *generation* on development in Neodiprion sertifer (Hymenoptera: Diprionidae) [Forest pests]. 028929
General and specific combining ability in lucerne at different levels of inbreeding and performance of *second-generation* **synthetics** measured in competitive conditions. 026172
Accelerated improvement of winter rye with production of **two** *generations* in the course of one year. 027532

GENERATORS

Comparison of two **aerosol** *generator* nozzle systems: estimates of droplet size and caged mosquito assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029968
Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert **atmosphere** *generator.* 028981
Various schemes of heating tobacco dryers with **thermal** *generators.* 022837

GENERIC

Nuclear fusion in *intergeneric* **heterokaryons.** A note [Peas]. 026111
A method of obtaining seeds of an *intergeneric* **hybrid** [of cotton]. 026211
Revision of the stonefly family Nemouridae (Plecoptera): a study of the world fauna at the *generic* **level** [New taxa]. 029699
Proposal for the conservation of the *generic* **name** 1393b Phragmipedium Rolfe (1896) (Orchidaceae), against Uropedium Lindley (1846). 025840
Proposal for the conservation of the *generic* **name** 1779 Oncidium Swartz (Orchidaceae) with a conserved type species, Oncidium altissimum Sw. 025841

GENES

Clinical evaluation of efficacy of Neomix (SPOFA) in the control of atrophic rhinitis in pigs. Comparison of efficacy of Neomix to that of Gallimycin (Abbott), Spectane (Abbott) and *Pro-Gene* **(Abbott).** 024757
S-gene **action** and the significance of characters in the heterostylous syndrome [Plants]. 026159
The organization, expression, and evolution of **antibody** *genes* and other multigene families. 024023
Genic **balance,** heterozygosity and inheritance of size of testes in diploid drone honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
The *genic* **basis** for differences in sedimentation value and protein content between two cultivars of Triticum aestivum [Wheat]. 026126
Genes controlling chromosome activity: the role of *genes* **blocking** Y-lampbrush loop propagation [Drosophila hydei]. 029298
Linkage of a *gene* for **DDT-resistance** in adults of the mosquito Aedes aegypti. 029005
Fixing the final weight of young bulls of different *gene* **design** with special reference to the growth function. 023268
The effect of *gene* **dispersal** on the dynamics and statics of gene substitution in plants. 026161
Gene **dosage** and antigenic expression on the cell surface of bovine erythrocytes. 024403
Gene **dosage** effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and mutant alleles. 026193
The effect of *gene* **dosage** on variability in the honeybee [Apis mellifera]. 2. Wing hook number. 029832
Study of a sex linked **dwarfing** *gene* in the fowl: oviposition time and characteristics of the successive eggs in laying sequences. 024021
Homoeotic effect of the tumorous-head mutant and differential effect of an **enhancer** *gene* in the tumorous-head strain of Drosophila melanogaster. 029292
Studies on the determination of the *gene* **est-6** expression in male genitalia of Drosophila melanogaster. 029465
Tests for association of *gene* **frequencies** at several loci in random mating diploid populations [Animal genetics]. 024040
Strand-selective transcription of **globin** *genes* in rabbit erythroid cells and chromatin. 023623
Two additive, **independent** *genes* for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Smut fungi]. 026113
Two additive, **independent** *genes* for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei [Fungi]. 026114
Regulation of the ilv 1 **multifunctional** *gene* in Saccharomyces cerevisiae [Yeasts]. 026215
Wild oat [Avena fatua] *gene* **pool:** a collection maintained by the Canada Department of Agriculture. 026241
The situation and tasks of **preserving** *genes* in the forestry of Hungary [Forest genetics]. 025186
Redundant *genes.* 029234
Linkage and allelic relationships among *genes* for **resistance** in tomato (Lycopersicon esculentum) against Meloidogyne incognita [nematode]. 028343
Independent replication of the ribosomal **RNA** *genes* in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. 029299
Sex determination in bees. V. The action of **sexual** *genes* in Apis mellifera (Hymenoptera, Apidae). 029781
Linkage of **six** *genes* in [the unicellular green alga] Chlamydomonas reinhardtii [Algae] and the construction of linkage test strains. 026195
Study of *gene* **source** of cultivated plants. 026307
The insect chorion: programmed expression of **specific** *genes* during differentiation. 029203
On the presence of the *gene* **Sr** 5 in some European cultivars [Wheat, stem rust resistance, Puccinia graminis tritici]. 027937
CYP3 a likely candidate for the **structural** *gene* of iso-2 cytochrome C in Saccharomyces cerevisiae [Yeasts]. 026089
The effect of gene dispersal on the dynamics and statics of *gene* **substitution** in plants. 026161
The role of **supplementary** *genes* in the control of Texas type cytoplasmic male sterility in corn. 026289
Frequency of nonsense mutations (amber and ochre) induced by UV [ultraviolet] light in the **ura3** *gene* in Saccharomyces cerevisiae [Yeasts]. 026222
Effects of early and late infectious of BYDV (barley yellow dwarf virus) on cultivars of barley (Hordeum vulgare) with and without the **Yd2** *gene.* 028230

GENESIS

Genesis and **distribution** of clay minerals in catenary soils of Chatisgarh basin of Madhya Pradesh. 030309
On the mechanism of **petite** *genesis* in yeast. IV. Biochemical characterizaton of a conditional cytoplasmic mutant producing petites at restrictive temperature. 026090
On a deep transformation of micas with galacturonic acid, and the *genesis* of **sectites** in Podzol. 030186

GENETICS

Genetic **activity** of niridazole in yeast [Saccharomyces cerevisiae]. 026223
Heritability and *genetic* **advance** for root and fruit characters in radish. 026184
A *genetic* **analysis** of postweaning gain in Herefords [Beef cattle]. 024191
Genetical **analysis** of organogenetical development processes in maize with the X-ray method. 026092
Genetic **analysis** of time to ear emergence in hexaploid wheat, Triticum aestivum, using intervarietal chromosome substitution lines. 026122
Genetic **analysis** and combining ability of grain yield components of maize inbred lines. 026151
Genetic **analysis** of the grain weight per plant in wheat by the method of a single array of crosses. 026152
[Genetic] **analysis** of complex leguminous plants' characters. 026157
Genetic **analysis** of resistance to DDT, methoxychlor and fenitrothion in two strains of housefly (Musca domestica). 028971
Tests for association of gene frequencies at several loci in random mating diploid populations **[Animal** *genetics].* 024040
Compartmentation and regulation of fungal metabolism: *genetic* **approaches.** 026085
Genetic **aspects** of protein content and protein fractions in milk. II. Protein fractions [Cattle]. 024282
The *genetic* **basis** of plant disease epidemics. 028295
An economic evaluation of different selection alternatives as means for improvement of milk protein yield [Dairy **cattle,** *genetics].* 024152
Arabidopsis thaliana as a model system in somatic **cell** *genetics.* I. Cell and tissue culture. 026795
Some *genetic* **characteristics** of the freely drained soils of the Ettrick Association in east Scotland. 030206
Efficiency of part record selection to improve annual record egg production in **chickens** *[Genetics].* 024078
Hybrid studies on the *genetics* of **coat** color and blood groups of Landrace and Vietnamese swine. 024219
Comparative *genetics* of yeast. XIV. Analysis of wine strains of Saccharomyces neutral to killer strain of type k2. 026284
Influence of isolation distance on *genetic* **contamination** of field bean (Vicia faba L.) seed produced in small plots. 026190
Histocompatibility antigens and *genetic* **control** of the immune response in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514
Genetic **control** of development of the cellular slime mold, Dictyostelium discoideum. 026086
The indole-3-acetic acid content in lucerne and its *genetic* **control.** 026179
Genetic **control** of durable resistance to yellow rust (Puccinia striiformis) in the wheat cultivar Hybride de Bersee. 027897
Genetic **control** of susceptibility to hydroxyproline in Drosophila [melanogaster]. 029291
Studies on heritability and *genetics* **correlation** among economic traits in domestic fowl. 024206
Genetic **correlations** of characters in pea pod Pisum sativumL. 026153
Influence of *genetic* selection on **diapause** termination of the pink bollworm [Pectinophora gossypiella]. 028708
Model calculatons on *genetic* **differences** between herds due to using different groups of bulls and different selection rates for cows within herds. 024286
Genetic **differentiation** of the pathogen of wheat bunt [Tilletia caries]. 028012
The origin of sugarcanes and centres of *genetic* **diversity** in Saccharum: an enquiry to determine the most profitable areas to explore for sugarcane germplasm. 026298
Genetics of a **dwarf** mutant in groundnut. 026303
Genetical **effect** of the toxin of the fungus Phoma tracheipfilla (Petri) Kantschaveli et Gikaschvili on citrus crops. 028097
The *Genetic* **effects** of elevated temperature in the yeast, Saccharomyces cerevisiae. 026162
Effects of *genetic* and **environmental** factors on birth and weaning weights of Korean native calf. 023644
Effectiveness of selection for growth rate in Zebu X British crossbred cattle. II. Post-weaning growth and *genetic* **estimates.** 024032
A study on **estimating** *genetic* combing. Ability of economic traits in single crosses of single combing White Leghorns. 024203
Genetic **feedback** and simulated environmental catastrophes [Musca domestica]. 029003
Fine *genetic* structure of the 2D3-2F5 region of the X-chromosome of Drosophila melanogaster. 029446
The situation and tasks of preserving genes in the forestry of Hungary **[Forest** *genetics].* 025186
Recommendations on canine hip dysplasia: diagnosis, treatment and *genetic* selection. 024900
Response of chickens with *genetically* different **hemoglobin** types to infection with Eimeria tenella and mechanical bleeding [Chickens]. 024448
Screening for *genetic* **host** resistance against the bacterial leaf spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Micromorphological, mineralogical and chemical characteristics of some Alpine soils and their *genetic* **implications.** 030194
Genetic **improvement** of milk yield in Sardinian ewes. I. Heritabilities and correlations between characters. 024015
Artificial insemination: fertility and *genetic* **improvement** [Cattle]. 024214
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with *genetical* and **induced** resistance against tobacco mosaic virus (TMV). 028276
Research on grain quality at the All-Union Breeding and *Genetics* **Institute** of the Lenin Academy of Agricultural Sciences [USSR]. 027557
Genetic **linkage** of malathion resistance in the German cockroach [Blattella germanica]. 028972
Transposition of a member of a duplicated region in **maize** *[Genetics].* 026165
Genetic **manipulations** on higher plants. 026306
The *genetics* of the **mimetic** butterfly Hypolimnas bolina (L.). 029477

A case of polydactyly with multiple thresholds in the **mouse** *[Genetics].* 024190
Cerebellar hypoplasia of *genetic* **origin** in calves. 024816
Index selection in swine. II. Estimation of *genetic* **parameters** for different testing systems. 024284
Genetic **polymorphism** of izoenzymes of peroxidases and esterases in Populus deltoides Bartr. 027341
Population *genetics* of Marseilles' domestic cats. 024017
Population *genetical* structure and the interaction genotype X environment as productivity factors of forest ecosystems. 025233
Investigation of the *genetic* **processes** in irradiated population. II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. 029495
Genetic **regulation** of phosphate transport system II in Neurospora [crassa, fungi]. 026091
Predicting beef **sire** *genetic* values for growth traits from progeny records. 024094
Abstracts of papers presented at the twentieth annual meeting of the *Genetics* **Society** of Canada, Saskatchewan, 1975. 026116
The *Genetical* **Society** of Great Britain: Abstracts of papers presented at the hundred and seventy-eighth meeting of the society held on 8th, 9th and 10th July 1975 at the John Innes Institute, Norwich [Plants, bacteria]. 026163
Genetic **studies** on mechanisms influencing the susceptibility of anopheline mosquitoes to plasmodial infection [Plasmodium gallinaceum, Anopheles stephensi]. 029044
Genetic **study** of early activity in open-field of the young chicken. 024016
Breeding evaluation of bulls with special regard to **systematic** *genetic* influence. 024277
Study on the freezability of spermatozoa [semen] in **three** *genetic* groups of crossbred bulls. 024074
Arabidopsis as a *genetic* **tool.** 026084
Structural organization and processing of the *genetic* **transcript** in the cellular slime mold Dictyostelium discoideum. 026149
Genetic **trends** among artificially bred Holsteins in Quebec. 024099
Studies on the *genetics* of **trotting** performance in Dutch trotters. I. The heritability of trotting performance [Horses]. 024020
Auxin: its role in *genetic* **tumor** induction [in Nicotiana suaveolens X Nicotiana langsdorffii]. 026231
Estimates of *[genetic]* **variability** in some quantitative characters of pea (Pisum sativum L). 026181
Genetic **variability** and scope of improvement in onion seed crop. 026183
The influence of *genetic* **variability** on thermoregulation in honeybees [Apis mellifera]. 029742
Genetic **variants** of milk proteins in cows of Rendena breed. 024216
Genetic **variation** in some enzyme systems in the tsetse fly Glossina morsitans. 029333

GENICULATE

Chemical stimulus determinants of **cat** *geniculate* ganglion chemoresponsive group II unit discharge [Taste]. 023370
Evidence for direct projections from the hypothalamus to the **lateral** *geniculate* and occipital cortex of the cat as demonstrated by horseradish peroxidase technique. 023409

GENITALS

The identification of **equine** *genital* strains of Klebsiella and Enterobacter species. 024512
Enhanced respiration and reduction of tetracycline binding of boar and bull spermatozoa following incubation in the **female** *genital* tract. 024145
Comparative morphology of the **male** *genitalia* in the subfamily Hydrophilinae (Coleoptera, Hydrophilidae). I. Tribe Hydrophilini. 029228
Studies on the determination of the gene est-6 expression in **male** *genitalia* of Drosophila melanogaster. 029465
Development of complete and bisected **male** *genital* disks after transplantation, and duration of host development in Ephestia kuehniella Z. 029505
Effects of administration with testosterone compound (Durateston) on the *genital* **organs** in hypophysectomized male adultrats. 024137
A survey of pathological conditions in the *genital* **organs** of ewes [Sheep]. 024306

GENOMES

In vitro culture of wheat. III. Anther culture of the A *genome* **aneuploids** in common wheat. 026304
Identification of *genomes* and **chromosomes** involved in peroxidase synthesis of wheat seeds. 026110
The *genome* of **equine** arteritis virus. 024767
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome breaks induced by X-rays in the **paternal** *genome* of Drosophila. 029449
Genome **relationships** in Bromus erectus, Bromus pumpellianus ssp. dicksonii and Bromus pumpellianus. 026123
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the **virus** *genome.* 024762
Host-range mutant of fowl plague virus (FPV): comparison of the *genome* and **virus** proteins. 024765

GENOTYPES

Phenotypic deviants in the **ebony** *genotype* in the boll weevil [Cotton pests, control] [Anthonomus grandis]. 028752
Interaction of *genotype* with **environment** for some metrical characters of cardoon [Cynara cardunculus var. altilis]. 026081
Genotype—**environment** interaction. III. Interactions in Drosophila melanogaster. 029484
Genotypic and **environmental** variation in some colour characteristics of carrots [Varieties]. 026082
Effect of saline-sodic soil on some quantitative characters of different *genotypes* in **Indian** mustard Brassica juncea L Czern & Coss. 026180
Compression wood in Pinus radiata clones on four different sites **[Influence** of *genotype].* 025220
Population genetical structure and the **interaction** *genotype* X environment as productivity factors of forest ecosystems. 025233
Genotype-environment **interactions**—a challenge for plant breeding. 026189
Variability of total nitrogen content of 18 *genotypes* of **meadow** timothy (Phleum pratense L.). 026993
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in *genotypes* of **tropical** (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751

GEOBOTANY

Map of the distribution of national parks in **Poland's** *geobotanical* regions. 025680

GEOCHEMISTRY

Questions about the **extreme** *geochemical* ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. 023947
Geochemical **investigations** on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Mineralogical and *geochemical* **properties** of the soil cover in the area of copper deposits of the southern Urals. 030290
Determination of fluorine in volcanic rocks from Filicudi and Alicudi (Aeolian Islands, southern Italy) and in *geochemical* **reference** materials. 030199
The application of **regional** *geochemical* reconnaissance data in areas of arable cropping [Soil survey]. 030252

GEOGRAPHY

The *geographical* **differentiation** of the cave milliped, Prionomatis nanaoredense [New taxa]. 029540
Occurrence of Entodon cladorrhizans in Alaska, with notes on *geographical* **distribution** of Entodon concinnus [Musci]. 025643
Geographical **distribution** of the cedar glade endemic Viola egglestonii. 025809
Geographical **distribution** of Culicinae in Brazil. III. State of Para (Diptera, Culicidae). 029636
List and data on the *geographic* **distribution** of scorpions (Scorpionida) in Mexico. 029667
Nature and *geographic* **distribution** of clay minerals in soils of different moisture regimes in Punjab, Harayana and Himachal Pradesh. 030316
Geographical **elements** of the Discomycetes flora in the Kazakhstan part of the Altai. 025743
Geographical and **herd** distribution of equine infectious anemia in Texas (1974). 024722
Geographic **variation** in Picea glehnii. I. Differences in seedling height and bud-opening date among twelve seed sources. 027326

GEOLOGY

Geology and **forestry** classification from ERTS [Earth Resources Technology Satellite]-1 digital data. 030280
The results of *geological* and **hydrogeological** field studies on subject "Fundamentals of geology and hydrogeology" for the period 1970-1973 [in Estonia]. 030723
"Migration" of blowouts in seagrass beds at Barbados and Carriacou, West Indies, and its ecological and *geological* **implications.** 025869

GEOMETRIDAE

Faunistics and daily periodicity of some insect species in northern Sweden (Tipulidae, **Typhlocybidae** and *Geometridae).* 029342

GEONEMY

Study on the systematics and *geonemy* of **Xantholinus.** XI. A new species at the Geneva Museum of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, Staphylinidae). 47th contribution to the knowledge of Staphylinidae. 029687

GERANIOL

Effect of *geraniol* on **levels** of volatile terpenoid compounds produced by apples during cool storage [Low temperature breakdown]. 022944

GERANIUMS

Crane's **Bill**—*Geranium* [sylvaticum, varieties]. 027800
Certain peculiarities of **growing** *geranium* [Pelargonium] on meadow soils of the Gissar Valley in relation to the utilization of nitrogenous fertilizers. 030534
Benomyl and large **nematodes** [on *Geranium].* 028351
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in *geranium* **[Pelargonium]** grown on alluvial soils of the Colchis lowland. 026837

GERBERA

The use of decomposed pine bark [waste] as a substrate for **growing** *Gerbera.* 030406
Effects of daylength and temperature on shoot and flower **production** of *Gerbera.* 027599

GERBILS

Baits for the control of the **hairy-footed** *gerbil,* Gerbillusgleadowi [Pests of crops]. 028458
Penetration of host IgG [Immunoglobulin G] molecles into hydatid cysts **[Mice,** *gerbils].* 024790
The **Mongolian** *gerbil:* qualitative and quantitative aspects of the cellular blood picture [Laboratory animals]. 023579
Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, vitamin E, and fatty acids *[Gerbils,* **rats].** 022133

GERMINATION

Measure of **active** *germination* of Douglas fir Pseudotsuga menziesii (Mirb.) Franco. 027306
Encystment and *germination* in **Azotobacter** vinelandii [a nitrogen-fixing soil bacteria]. 030329
Dormancy breaking in the light-sensitive seeds in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in *germination* **behaviour** during its development. 026996
Effects of some inhibitors on respiration and *germination* of **Bidens** radiata achenes. 026698
Germination **biology** of Vigna unguiculata (L.) Walp. And Lablab purpurens (L.) Sweet. seeds under conditions of Turkmenistan. 026615
Germinating **capacity** of some maize open pollinated varieties, inbreds, hybrids, synthetics and composites in saline substrate. 026965
Effect of growth regulating substances on *germination* and **certain** metabolic changes in pea. 027177
Conditions of *germination* of **chlamidospores** of smut Urocystis leimbachii (Oertel) Liro and the ways of its infection of Adonis vernalis. 028009
Factors affecting the *germination* of **chlamydospore** of Fusarium oxysporum f. raphani [Fungi]. 026369
Germination of **cocklebur** [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. 026388
The *germination* of **Cola** acuminata (P. Beauv.) Schott and Endl. 026320
The effect of heat shock on differentiation of *germinating* **conidia** of Trichoderma viride [Fungi]. 026451
Gastrointestinal gas production in rats fed on diets **containing** *germinated* legumes [Greengram, chickpea and cowpea]. 022183
Effect of *germination* and **cooking** on the protein efficiency ratio of some legumes. 022179
Temperature regulation of *germination* in **crimson** clover seeds. 027032
Germination of **cysts** in Acetabularia mediterranea [Algae]. 026819
Method of **determining** *germination* rate and vital capacity of [vegetable] seeds. 027211
Lipid metabolism during bacterial growth, sporulation, and *germination:* **differential** synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Comparative effects of fusicoccin and gibberellic acid on the promotion of *germination* and **DNA** synthesis initiation in Haplopappus gracilis. 026798
Biosynthesis of some water soluble vitamins during *germination* of **Dolichos** lablab (bitter variety). 027184
Role of cotyledons in *germination* and **dormancy** breaking of apple embryonic axis, after treatment with abscisic acid. 027232
Effect of seed-placed fertilizer on the **emergence** *(germination)* of soybeans (Glycine max L.) and snapbeans (Phaseolus vulgaris L.). 026942
Effects of temperature on the *germination* and **emergence** of lettuce (lactuca sativa, L.) varieties. 027198
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to *germinating* **grain** and to carbon dioxide. 029290
Effect of coumarins on *germination* and **growth** of some forage grasses and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. 026997
Noncompetitive effects of common milkweed, Asclepias syriaca L., [weeds] on *germination* and **growth** of grain sorghum. 028491
Emergence, seedling growth and yield of sweet corn after *pregermination* at **high** temperature. 027725
Seed treatment of Mojave Desert shrubs [to **improve** *germination* for revegetation planting]. 026354
Field emergence and **laboratory** *germination* tests with pelleted sugarbeet seed. 026959

Observations on the effects of different pelleting processes on the **laboratory** *germination* and field emergence of sugarbeet seed. 026960
Laboratory *germination* of barley grass. 027038
Enzyme to break down lettuce endosperm cell wall during gibberellin- and **light-induced** *germination.* 027217
Development of mitochondrial enzyme activities in *germinating* **maize** scutellum. 027033
Changes in trypsin inhibitory activity in soybean varieties during **maturation** and *germination.* 021921
Cytological, cytochemical and histoautoradiographic study of viscum album L. (Loranthaceae). I. The seed, its *germination* and **means** of fixation on the host. 026066
Germination-regulating **mechanisms** in aquatic angiosperms. II. Aeschynomene aspera, L. 026426
Endogenous abscisic acid levels in *germinating* and **nongerminating** lettuce seed. 027270
The effect of decortication of seed on *germination* and the **number** of nucellar seedlings of some mango cultivars in Ghana. 027083
Induction of petite mutations during *germination* and **outgrowth** of Saccharomyces cerevisiae [yeasts] ascospores. 026194
Endogenous gibberellins of pine pollen. II. Changes during *germination* of **Pinus** attenuata, Pinus coulteri, and Pinus ponderosa pollen. 027335
The effect of oleander [Nerium oleander] glycosides on the *germination* of **pollen** grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Lectins stimulate **pollen** *germination* [Lilium longiflorum]. 027218
Flowering, pollination, pollen collection and **pollen** *germination* in Fagus and Quercus species. 027342
Preliminary investigations on the effect of various fungicides applied during bloom on **pollen** *germination* and fruit set [Pears, peaches]. 027910
Accelerated evaluation of the *germinating* **power** of the spores of resin fungi [Cronartium]. 028107
Fine structural demonstration of acid phosphatase in **rabbit** *germinal* epithelium prior to induced ovulation. 024055
Influence of temperature on the *germination* **rate** of rose [Rosa] seeds. 027215
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues **reduce** *germination* and initial root growth of ponderosa pine. 028451
Factors affecting sugarbeet **seed** *germination* in North America. 026958
Classification of Dactylis glomerata florets based on caryopsis size [**seed** *germination* test]. 027043
A device for the analysis of **seed** *germination* capacity. 027044
Container production of cashew seedling rootstocks—**seed** *germination* in beds as an alternative to direct sowing. 027595
Effect of levels and way of fertilizer application on okra **seed** *germination.* 030519
Germination, **seedling** growth and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) induced water stress. 026906
Effect on microorganisms of volatile compounds released from *germinating* **seeds.** 026453
Changes in proteins, phosphatase and ribonuclease activity in barley (Hordeum sativum) **seeds** during *germination.* 026957
Effect of copper on root cell elongation and *germinability* of **seeds** of fine-fibered cotton. 026971
Determination of hull percentage of rapeseed by *germinating* it on a **solid** substrate. 022830
Growth regulation by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of **spore** *germination.* 026355
Spore *germination* of fungi. 026594
Inhibitory action of pisatin [a phytoalexin from peas] on **spore** *germination* of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Photocontrol of fungal **spore** *germination* [Puccinia graminis tritici, wheat stem rust]. 028077
Diaporthe phaseolorum var. Sojae (Lehman) Wehmeyer. Effect of some fungicides on **spore** *germination* of Diaporthe phaseolorum var. sojae (Lehman) Wehmeyer. 028084
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during **spore** *germination* and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for **spore** *germination* by fungistatic volatiles in soils. 030192
The effects of plant litter on *germination* in **teasel,** Dipsacus sylvestris Huds. 026360
Studies on Indian Gracilaria. I. Carpospore and **tetraspore** *germination* and early stages of development in Gracilaria corticata J. Ag. [Algae]. 025629
Comparison between biosynthesis of ent-kaurene in *germinating* **tomato** seeds and cell suspension cultures of tomato and tobacco. 027264
Influence of actidion on the *germination* of the **uredospores** of Uromyces caryophyllinus (Schrank) Wint. [Ornamental plants]. 028033
Increase of *germination* of **vegetable** seeds in open ground. 027210
The size and weight of melon seeds as parameters of their **vigor** *[Germination].* 027176
Changes of *germinability* of **weed** seeds during storage in air-dry condition. II. 028523
The heterogeneity of the *germination* of **wheat** ear grains. 026921
Partial purification and characterization of two cytoplasmic DNA polymerases from *ungerminated* **wheat.** 026998
Germination of **zygospores** of the fungus Zygorhynchus japonicus Kominami. 026675

GERMPLASM
Population parameters of some agronomic characters of [sugarcane] clones in the *germplasm* **collection** of La granja Experiment Station, Philippine Sugar Institute. 026295
Assessment of cold tolerance in sugarcane hybrids derived frrom traditional and **new** *germplasm.* 026293
The origin of sugarcanes and centres of genetic diversity in Saccharum: an enquiry to determine the most profitable areas to explore for **sugarcane** *germplasm.* 026298

GERMS
Germ **counting** of commercial milk. 022571
The use of laminar flow for **obtaining** *germ-free* mice [Breeding]. 024146
Use of a **pathogenic** *germ* in the control of Sibine fusca (Limacodidae) [Pests of oilpalms]. 028672
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and **postcopulation** *germ* cells to isopropyl methanesulfonate. 024155
Q-, C-, and G-banding patterns in the *germ-line* and **somatic** shromosomes of Miastor sp. (Diptera: Cecidomyidae). 029301
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in plants (etiolated **wheat** *germs,* and bean leaves). 026878
Luminescence studies of saccharide binding to **wheat** *germ* agglutinin (lectin). 026955
Influence of concanavalin A, **wheat** *germ* agglutinin, and soybean agglutinin on the fusion of myoblasts in vitro. 026977
Alternate sources of protein for Heliothis zea **wheat** *germ* diet. 028706

GESNERIACEAE
Cyrtandra *(Gesneriaceae)* in the Bismarck Archipelago and Solomon Islands [New taxa]. 025731
On the calcifications in Monophyllaea **horsefieldii** *(Gesneriaceae).* 026800
Contributions to the morphology and systematics of Klugieaeand **Loxonieae** *(Gesneriaceae).* I. Shoot and inflorescence organization of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. 025952
New among the gesneriads *[Gesneriaceae,* **varieties].** 027687

GESTATION
Pituitary and adrenal function in foetal sheep during the latter **half** of *gestation.* 024107
Induction of *gestation* during **lactation** in the sow. 023987
Fat source and vitamin E level of **sow** *gestation* diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818
Choline in the **sow** *gestation-lactation* diet. 023886

GHATS
Exquisite orchids from **Western** *Ghats* (India). 1. Dendrobium barbatulum. 025593

GIBBERELLA
Cereal scab causing mycotoxicoses in Korea and present status of mycotoxin researches *[Gibberella* **zeae].** 021894

GIBBERELLIC
The influence of *gibberellic* **acid** and kinetin on the growth of Scenedesmus quadricauda (Turp.) Breb. [Algae]. 026337
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between *gibberellic* **acid,** benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. 026388
Comparative effects of fusicoccin and *gibberellic* **acid** on the promotion of germination and DNA synthesis initiation in Haplopappus gracilis. 026798
Auxin-synthesis inhibition by abscisic acid, and its reversal by *gibberellic* **acid** [Avena]. 026872
Effect of *gibberellic* **acid** on the plasticity and elasticity of Avena [sativa, oats] stem segments. 027020
The effect of GA3 *[gibberellic* **acid],** Alar and CCC [2chloroethyl trimethylammonium chloride] on citrus cuttings. 027084
Effect of *gibberellic* **acid,** kinetin, and ethylene plus carbon dioxide on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). 027268
Effect of *gibberellic* **acid** on growth and photosynthesis in Abies balsamea. 027311
Gibberellic **acid** [for producing early blooms of Camellias]-flower bud vs. vegetative bud. 027671
The effects of *gibberellic* **acid,** 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222
A *gibberellin* **bioassay** based on betacyanin production in Amaranthus caudaus seedlings. 026801
Endogenous *gibberellins* of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus ponderosa pollen. 027335
Enzyme to break down lettuce endosperm cell wall during *gibberellin-* and **light-induced** germination. 027217
Gibberellin-affected **methylation** and synthesis of ribosomal RNA in isolated maize seed scutellum. 027034
Inhibitory action of five tannins on growth induced by several *gibberellins* [in **peas].** 027273
Production of *gibberellin-like* **substances** by fungi isolated from mycorrhizae of pine (Pinus silvestris L.). 026323
Extractability of *gibberellin-like* **substances** from tulips grown at two temperatures in either the light or dark. 027074
Virus concentrations and chlorophyll levels in celery plants affected by cucumber mosaic virus and alfalfa mosaic virus, after **treatment** with *gibberellin.* 028235

GIGARTINACEAE
Carrageenans of gametangial and tetrasporangial stages of Iridaea **cordata** *(Gigartinaceae)* [Algae]. 026441

GIGARTINALES
Taxonomic notes on Gracilaria mammillaris (Mont.) Howe and Gracilaria veleroae Dawson (Rhodophyta, *Gigartinales)* **[Algae].** 025844

GILLS *see* **FISH**

GILTS *see* **SWINE**

GIN
Cotton *gin* operating costs in the San Joaquin Valley of California, 1973/74. 022735
A closed-loop cotton-moisturization system for **cotton** *ginning.* 022838
Ginning of **narrow-row** cotton. 022812
The problem of constructing a new [cotton] **roller** *gin.* 030073

GINGER
Identification and evaluation of the flavor-significant components of *ginger* **essential** oil. 022419
Osmophilic yeasts [Saccharomyces rouxii] in **preserved** *ginger* products. 022503
Comparison of growing media for *ginger* **[Zingiber** officinale]. 027859

GIVOTIA
Reinstatement of an alleged nomen confusum and typification of *Givotia* **Griff.** (Euphorbiaceae) [Nomenclature]. 025842

GLACIAL
Glacier **brook** chironomids of the Otztal Alps in Tyrol (Diptera: Chironomidae: Diamesinae). 029579

GLACIATION
Antarctic *glaciation* and early Tertiary vegetation [Pollen studies]. 025760

GLADES
The **cedar** *glade* flora of Bullitt County, Kentucky. 025676
Geographical distribution of the **cedar** *glade* endemic Viola egglestonii. 025809

GLADIOLUS
Gladiolus **corm** curing and storage environments in relation to flower production. 027603
Tolerance of Fusarium oxysporum f.sp.gladioli to benzimidazole fungicides *[Gladiolus,* **corm** rot]. 027884
Winter blindness of *Gladiolus:* **interaction** of light and temperature. 028313
Tolerance of Fusarium **oxysporum** *f.sp.gladioli* to benzimidazole fungicides [Gladiolus, corm rot]. 027884

GLANDS
Cytochemical studies of the secretion of **accessory** *glands* and seminal vesicles of the honeybee Apis cerana indica. 029811
Distribution of cholesteryl esters and other lipids in subcellular fractions of the **adrenal** *gland* of the pig. 023584
Androgens in testes and **adrenal** *glands* of the fetal pig. 024133
Fine structure of the **clypeal** *gland* of male spiders belonging to the genus Argyrodes [gibbosus] (Theridiidae). 029266
Dense ergastoplasmic granules in the *glandular* **lobe** of the locust corpora cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
The fine structure of mast cells in the normal bovine **mammary** *gland.* 023233
Nonequilibration of acetyl units from fatty acids and glucose in **mammary** *glands* of lactating mice. 023511
Amino acids, phosphatase and peroxidase in **nectary** *glands* of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
CO2 [carbon dioxide] storage in Eucalyptus **oil** *glands:* a hypothesis disproved. 027304
Cytoplasmic and nuclear binding components for 1alpha,25-dihydroxyvitamin D3 in chick **parathyroid** *glands.* 023621
On the fine structure of salivary glands of goat and dog. I. **Parotid** *gland.* 023346

Structure and development of the **perianal** *gland* of the dog. 023571
The effect of luteineizing hormone on chicken testis and **pineal** *gland* uptake of 32P [phosphorus isotope]. 024070
Studies of the hypothalamus and the **pituitary** *gland*, with special reference to the effects of transection of the pituitary stalk [Includes animals]. 023177
Isolation and characterization of the lipids from the chicken **preen** *gland*. 022726
Presence of sex pheromone in **preputial** *glands* of male rats. 024109
Breakdown of the **prothoracic** *glands* of insects. 029520
On the fine structure of **salivary** *glands* of goat and dog. I. Parotid gland. 023346
Salivary *glands* of female Culex pipiens: morphological changes associated with maturation and blood-feeding. 029004
Control of fluid secretion by isolated **salivary** *glands* of the lone star tick [Amblyomma americanum]. 029408
Chromosome studies of oriental anophelines. III. The **salivary** *gland* chromosomes of Anopheles subpictus. 029482
Natural products of abdominal and metathoracic **scent** *glands* of coreoid bugs [Coreidae]. 029220
The mode of secretion of the **sebaceous** *glands* of cattle. 023342
The effect of exogenous administration of oestrogens on the function of the epididymis and the accessory **sex** *glands* in the boar. 023969
Trehalase activity in the **silk** *glands* of the silkworm, Bombyx mori (Lepidoptera: Bombycidae). 029777
Two phases of chorda-lingual induced vasodilatation in the cat's **submandibular** *gland* during prolonged perfusion with Locke solution. 023557
Subcellular structure of bovine **thyroid** *gland*. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. 023290
The control of the function of the **thyroid** *gland* by means of radioactive iodine in the toxocological investigation of foreign substances [Rats]. 024984

GLASS
Camellia **culture** under *glass*. 027665
The preparation of artificial soils based on peat materials for [horticultural plant] growing under *glass* and **plastics**. 027644

GLASSHOUSES *see* GREENHOUSES

GLAUCIUM
Studies on tetrahydroisoquinolines. X. A stereospecific synthesis of (plus/minus)-cataline *[Glaucium* **flavum** vestitum]. 026517

GLAUCOPSYCHE
A new subspecies of *Glaucopsyche* (**Phaedrotes**) piasus [nevada] from Nevada (Lepidoptera: Lycaenidae). 029652

GLEYING
Microbiological and fermentative activity of *Gley-Podzol* and **Krasnozem** soils under various moisture content. 030375

GLIOCLADIUM
Gliocladium **disease** of palm [Palmae canariensis]. 027915

GLOBINS
Strand-selective transcription of *globin* **genes** in rabbit erythroid cells and chromatin. 023623

GLOBULES
Development of intracellular **oil** *globules* and a membrane structure surrounding the core lipids in the yeast Lipomyces starkeyi. 026590

GLOBULINS
Serum coloidal osmotic pressure in the development of kwashorkor and in recovery: its relationship to **albumin** *globulin* concentrations and oedema [Malnutrition]. 022058
The *serum-gamma-globulin* **picture** in cattle and sheep with leucosis. 024809

GLOMERELLA
Effects of benomyl on Camellia **dieback** *(Glomerella* cingulata). 027895

GLOMERULAR
Absence of **estimated** *glomerular* pressure autoregulation during interrupted distal delivery [Dogs]. 023200

GLOSSINA
Observations on a herd of beef cattle maintained in a tsetse *[Glossina]* **area.** I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. 024739
The predominance of Trypanosoma vivax infections of cattle at a distance from savannah tsetse *[Glossina]* **concentration.** 024742
Better chances in controlling sleeping sickness: radiation sterilization of tsetse **flies** *[Glossina].* 029074
Ultrastructure of the perismpathetic organs of the tsetse **fly** *Glossina* fuscipes quanzenis (Muscidae). 029279
Genetic variation in some enzyme systems in the tsetse **fly** *Glossina* morsitans. 029333
Activities of *Glossina* **tachinoides** W. V. 029032
Resting sites of *Glossina* **tachinoides** W. IV. 029033
Structure of *Glossina* **tachinoides** W. Populations in the Kalamaloue reserve. VI. 029034
Controlling bovine trypanosomiasis. The disease spread by **tsetse** *[Glossina].* 024785

GLUCAGON
Chicken *glucagon:* Isolation and amino acid sequence studies. 023478
The effects of *glucagon* on the **hepatic** arterial vasculature of the dog: an inhibition of the effects of vasoconstrictor agents. 023332
Effects of *glucagon* and **insulin** on net hepatic metabolism of glucose precursors in sheep. 023208
Effect of *glucagon* on **myoelectrical** and mechanical activity recorded from the isolated homologous perfused canine stomach. 023258
The release of **pancreatic** *glucagon* and inhibition of insulin in response to stimulation of the sympathetic innervation [Dogs, cats, sheep]. 023556
Effect of *glucagon* on **secretin-stimulated** bile flow [Dogs]. 023204

GLUCANS
Purification and properties of potato 1,4-alpha-D-glucan: *1,4-alpha-D-glucan* **6-alpha-(1,4-alpha-glucano)-transferase:** Evidence against a dual catalytic function in amylose-branching enzyme. 027171
Purification, crystallization, and properties of an **endo** *beta-1,3-glucanase* from Rhizopus chinensis R-69 [Fungi]. 026345
Synthesis of *beta-glucanase* and other **extracellular** proteins by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382
Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and **one** *exo-1,4-beta-glucanase.* 026550
Purification and properties of **potato** *1,4-alpha-D-glucan:* 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in amylose-branching enzyme. 027171

GLUCOAMYLASE
Factors affecting the activity and the durability of *fixed-glucoamylase* **[Rhizopus** niveus] on polyacrylonitrile carrier resin by amidination reaction. 026533

GLUCOCORTICOIDS
Effects of *glucocorticoid* **administration** on the deposition of fat in the cardiac lipids of rats fed rapeseed oil. 022181
The effect of ACTH [corticotropin] on *glucocorticoids* in **stress-susceptible** and stress-resistant pigs. 024894

GLUCOMANNANS
Studies on the utilization of xylan and *glucomannan* in **woods.** I. Purification and separation. 025422

GLUCONATE
Fate of pyruvate, formed nonphosphorolytically from *gluconate* by **extracts** of Aspergillus niger [Fungi]. 026867

GLUCONEOGENESIS
Regulation of **hepatic** *gluconeogenesis* in the guinea pig by fatty acids and ammonia. 023487
Gluconeogenesis in the **kidney-cortex** slices of normal fed and starved sheep. 023660
Changes in plasma glucose and liver glycogen following the administration of *gluconeogenic* **precursors** to the starving fowl [Chickens]. 023376

GLUCOSAMINE
Sporulation in *D-glucosamine* **auxotrophs** of Saccharomyces cerevisiae [yeasts]: meiosis with defective ascospore wall formation. 026197

GLUCOSES
Multiphase kinetics of *3-O-methyl-D-glucose* **absorption** by foliar disks of Pelargonium zonale (L.) Aiton. 026703
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and **blood** *glucose* in selenium deficient, vitamin E supplemented rats. 022182
Distribution of **blood** *glucose* and cholesterol levels in White Leghorn birds in relation to age, sex and reproduction. 023441
Response of ovine pancreatic amylase to elevated **blood** *glucose* [Sheep]. 023457
Blood *glucose* and tissue glycogen levels in turkey poults with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818
Effects of exogenous supply of *glucose* or **cycloheximide** on nitrogen metabolism of cut Iris germanica L. flowers. 027226
Studies on the enzyme system of carbohydrate metabolism in fish. II. Purification of *glucose-6-phosphate* **dehydrogenase** and glucose dehydrogenase. 022410
Studies on the enzyme system of carbohydrate metabolism in fish. III. Properties of *glucose-6-phosphate* **dehydrogenase** and glucose dehydrogenase. 022411
Uridine **diphosphate** *glucose* synthase from calf liver: determinants of enzyme activity in vitro. 023307
Synthesis of beta-glucanase and other extracellular proteins by cells and protoplasts of the yeast Pichia polymorpha. **Effect** of *2-deoxy-D-glucose.* 026382
Effect of *glucose* and **Fructose** in the protein-repletion diet fed after protein-depletion on some blood constituents of rats. 021993
Determination of *glucose* and **fructose** in honey. 022488
THe effect of *glucose* **infusion** on the plasma free amino acids in sheep. 023707
Feeding induced by **intracerebroventricular** *2-deoxy-d-glucose* in the rat. 023213
Glucose turnover values in the dog obtained with various species of **labeled** *glucose.* 023214
Interrelationships of insulin, *glucose,* **lipid** and anthropometric data in a natural population. 022004
Nonequilibration of acetyl units from fatty acids and *glucose* in **mammary** glands of lactating mice. 023511
Effects of quantity and quality of dietary protein and variation in certain enzyme activities on *glucose* **metabolism** in the rat. 022137
Changes in **plasma** *glucose* and liver glycogen following the administration of gluconeogenic precursors to the starving fowl [Chickens]. 023376
Effects of glucagon and insulin on net hepatic metabolism of *glucose* **precursors** in sheep. 023208
Influence of energy metabolism on the repair of X-ray damage in Living cells. IV. Effects of *2-deoxy-D-glucose* on the **repair** phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. 026824
The influence of *glucose* on **simazine** decomposition [by Penicillium citrinum in soil]. 030171
Glucose **turnover** values in the dog obtained with various species of labeled glucose. 023214

GLUCOSIDASES
Dextranglucosidase activity of porcine spleen **acid** *alpha-glucosidase.* 023308
Glucosidases specific for the cyanogenic glucoside triglochinin. Purification and characterization of *beta-glucosidases* from **Alocasia** macrorrhiza Schott. 026566

GLUCOSIDES
Kinetics of the thermal degradation of the **anthocyanins** *pelargonidin-3-glucoside* and cyanidin-3-glucoside [Food research]. 022522
Clinical use of **cardiotonic** *glucosides* [Dogs]. 024888
Glucosidases specific for the **cyanogenic** *glucoside* triglochinin. Purification and characterization of beta-glucosidases from Alocasia macrorrhiza Schott. 026566
Kinetics of the thermal degradation of the anthocyanins pelargonidin-3-glucoside and *cyanidin-3-glucoside* [**Food** research]. 022522
Investigations on flavonoid glycosides in a variety of botanical groups: **luteolin** *7-glucoside* and diosmin in Lonicera (Caprifoliaceae). 026437
Crataegolic acid [2alpha-hydroxyoleanolic acid] and **steroid** *glucosides* from the flower buds of Syzygium aromaticum. 026731
Esterified **sterol** *glucoside* and methylellagic acids from Aleurites fordii [tung tree] fruits. 022959
Studies on the constituents of Lyonia ovalifolia Drude var. Eliptica Hand.-Mazz. XX. Structure of **triterpenoid** *glucoside,* lyofolic acid. 4. Correlation of protolyofoligenic. 026656

GLUCOSINOLATES
Influence of *glucosinolates* and **high-molecular** factors on the nutritional value of low-glucosinolate rapeseed meal. 022147

GLUCOSYLTRANSFERASES
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and **collagen** *glucosyltransferase* in tendon and cartilage cells [Chick embryos, cattle]. 023288

GLUCURONIDE
Identification of **radioactive** *17beta-estradiol-17-beta-D-glucuronide* and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356

GLUE
Examination of the possibility of poplar utilization in the production of *glued* and **agglomerated** materials. 025515
Glued **plywood** roof panels. 025383
Glued **plywood** two hinged type arch panel roofing. 1. 025384
The effect of **poor** *gluing* on the strength of glued wooden beams under a uniformly distributed load. 025413
Scheme of a system for the production of **strengthened** *glue* with continuous topping of turpentine. 025327
The effect of poor gluing on the strength of *glued* **wooden** beams under a uniformly distributed load. 025413

GLUMES
Admission of N15 [nitrogen isotope] into the **flowering** *glumes* and separate parts of the caryopsis in wheat. 026946

GLUTAMATE
Subcellular localization of gamma-aminobutyrate transaminase and *glutamate* **dehydrogenase** in adult rat brain. Evidence for at least two small glutamate compartments in brain. 023289
Formation of transient complexes in the *glutamate* **dehydrogenase** catalyzed reaction [Beef liver]. 023297
Regulatory properties of reduced nicotinamide-adenine dinucleotide phosphate on a *glutamate* **dehydrogenase** from Neurospora crassa [Fungi]. 026612
Evidence for ammonium-dependent de novo synthesis of *glutamate* **dehydrogenase** in detached oat leaves. 027023
Effect of denervation and local damage on **extrajunctional** *L-glutamate* receptors in locust muscle [Schistocerca gregaria]. 029455
Metabolism of the amino group of *glutamate* in **maize** inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
Partial amino-acid sequence of **NAD-specific** *glutamate* dehydrogenase of Neurospora crassa [Fungi]. 026813
Neuromuscular junctions and *L-glutamate-sensitive* **sites** in the fleshfly Sarcophaga bullata. 029415
Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in adult rat brain. Evidence for at least two **small** *glutamate* compartments in brain. 023289
Methods of determining **sodium** *glutamate*. I. Soups and broths. 022379

GLUTAMIC
Evidence for **three** *glutamic* acid transporting systems with specialized physiological functions in Saccharomyces cerevisiae [Yeast]. 026393

GLUTAMINE
Regulation of activity of *glutamine* **synthetase** from pea seeds by keto acids and AMP [adenosine-5'-monophosphate]. 027134

GLUTATHIONE
Change in content of *glutathione* in the **blood** relative to age and its relationship to certain production qualities in swine. 023668
Erythrocyte **oxidized** *glutathione* in Australian Merino sheep. 023238

GLYCERALDEHYDE
Subunit interactions in yeast [Saccharomyces cerevisiae] *glyceraldehyde-3-phosphate* **dehydrogenase.** 026405

GLYCERIDES
Research on *glycerides* from **black** locust [Robinia pseudacacia] seeds. 027339
Glyceride **structure** of Egyptian vegetable oils. VII. Erucic acid rich oils. 022808

GLYCEROL
Determination of sugar, *glycerol* and **ethanol** in wine by means of high-pressure liquid chromatography. 022892
Gas chromatographic determination of diols and *glycerol* in **flavor** bases and flavored wines. 022923
Alpha-glycerol phosphatase and *glycerol* **kinase** activities in tissues of the silkmoth Hyalophora cecropia during the larval-pupal transformation. 029725

GLYCINES
Anthracnose **[Colletortichum** *glycines]* of soybeans. 028002
Studies on the influence of soil moisture conditions on soybean cyst nematodes **[Heterodera** *glycines].* 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Resistance in *Glycine* **max** [soybean] to isolates of bean yellow mosaic virus in New York State. 028268
Competition or additional effects of nitrogen nutrition by nonsymbiotic and symbiotic means in **soybean** *(Glycine* max L. merr). 026915
Influence of zinc on symbiotic nitrogen fixation by **soybean** *(Glycine* max Linn.) in silt loam soil. 030222
Effect of seed-placed fertilizer on the emergence (germination) of **soybeans** *(Glycine* max L.) and snapbeans (Phaseolus vulgaris L.). 026942

GLYCOALKALOIDS
Devices for improving color development in *glycoalkaloid* **determination** [Potatoes]. 022930

GLYCOGEN
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of *glycogen* **accumulation** and depletion [Hamsters]. 023420
The relationship of **acid-soluble** *glycogen* to yeast [Saccharomyces carlsbergensis]. 026460
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, *glycogen* **content** and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. 023420
A sensitive method of *glycogen* **determination** in the presence of interfering substances utilizing the filter-paper technique [Aspergillus niger, fungi]. 026363
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, glycogen content and *glycogenolysis* under the **experimental** conditions of glycogen accumulation and depletion [Hamsters]. 023420
Difference between endocardial and epicardial utilization of *glycogen* in the **ischemic** heart [Dogs]. 023203
Changes in plasma glucose and **liver** *glycogen* following the administration of gluconeogenic precursors to the starving fowl [Chickens]. 023376
Dynamics of **liver** *glycogen:* The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. 023420
Structural studies on rabbit **muscle** *glycogen* synthase. I. Subunit composition. 023489
Structural studies on rabbit **muscle** *glycogen* synthase. II. Limited proteolysis. 023490
Glycogen, a **physiological** determinant of yeast [Saccharomyces carlsbergensis] flocculation? 026454
Variation in average unit chain length of *glycogen* in **relation** to developmental stage in Blastocladiella emersonii [Fungi]. 026684
Dynamics of liver glycogen: The topochemistry of *glycogen* **synthetis,** glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. 023420
Blood glucose and **tissue** *glycogen* levels in turkey poults with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818

GLYCOL
Carbonyl-propylene *glycol* interactions in [cherry] flavor systems. 022497
Weather effects on glubility and surface checking of plywood trated with PEG **[Polyethylene** *glycol].* 025528
Conditions for induced fusion of fungal protoplasts in **polyethylene** *glycol* solutions [Penicillium chrysogenum]. 026376
Germination, seedling growth and sugar metabolism of two species of Brassica under **polyethylene** *glycol* (PEG) induced water stress. 026906

GLYCOLATE
Cytochemical demonstration of malate synthase and *Glycolate* **oxidase** in microbodies of cucumber cotyledons. 027265

GLYCOLYSIS
Postmortem *glycolysis* in ground skeletal muscle as influenced by prerigor freezing and subsequent thawing. 022718
Relationship between *glycolysis* and **steroidogenesis** in cultured Graafian follicles stimulated by LH [luteinizing hormone] or prostaglandin E2 [Rats]. 024135

GLYCOPEPTIDES
Glycopeptides from **chitin** [Insects and crustaceans]. 029296
Isolation and characterization of Cyanogen bromide fragments and a *glycopeptide* from the **Dolichos** biflorus lectin. 026403

GLYCOPROTEINS
Glycoprotein **biosynthesis** in plants: Demonstration of lipid-linked oligosaccharides of mannose and N-acetylglucosamine [Cotton]. 026976
Cell **wall** *glycoproteins* and polysaccharides of mature runner beans. 027243
Cell **wall** *glycoproteins* and polysaccharides of parenchyma of Phaseolus coccineus [Runner beans]. 027244
Effect of a non-localized infection by southern bean mosaic virus on a cell **wall** *glycoprotein* from bean leaves. 028260
Soluble and **wall-bound** *glycoproteins* of apple fruit tissue. 027251

GLYCOSIDES
A new **flavone** *glycoside* from Campanula patula. 026465
Investigations on **flavonoid** *glycosides* in a variety of botanical groups: luteolin 7-glucoside and diosmin in Lonicera (Caprifoliaceae). 026437
Flavone and **flavonol** *glycosides.* 026572
The effect of oleander [Nerium oleander] *glycosides* on the **germination** of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Flavosorbin—a **new** *glycoside* from Sorbaria sorbifolia. 026478
Acacetin and its *glycosides* in **plants** of the genus Linaria. 026466
C-glycosides of **species** of Dipsacaceae. II. [Knautia montana]. 026469
Structure of a novel type **steroid** *glycoside,* 18-norspirostanol oligoglycoside [Trillium kamtschaticum]. 026849
Steroid and **triterpene** *glycosides* of Crataegus pentagyna. 026498
Triterpene *glycosides* of Acanthophyllum paniculata. II. Structure of paniculatoside C. 026507
Triterpene *glycosides* of Gleditschia triacanthos. VI. The structure of triacanthoside F. 026508
Glycosides of **Vaccaria** segetalis: structure of vacsegoside C. 026618

GLYCOSYLFLAVONES
Structural determination of *C-glycosylflavones* [in **plant** extracts] by mass spectrometry of their permethyl ethers. 026764

GLYCOSYLFLAVONOIDS
C-glycosylflavonoids. 026569

GLYCYRRHIZA
Flavonoids of *Glycyrrhiza* **glabra.** 026476
New type chalcones from licorice *[Glycyrrhiza* **glabra].** 026848
Triterpenoids of the roots of *Glycyrrhiza* **uralensis.** 026509

GNAPHALIUM
Flavonoids in the flowers of *Gnaphalium* **affine** D. Don. 026340

GNOTOBIOTICS
Eimeria falciformis (Eimer, 1870) in specific pathogen **freeand** *gnotobiotic* mice [Laboratory animals]. 024661
Gnotobiotic **[laboratory]** animals in research: their uses and limitations. 023130

GOATS
Results of test matings with pigmented **Angora** *goats.* 023975
Some aspects of reproduction in the reddish **brown** *goats* of Maradi. Comparison with other tropical or sub-tropical breeds. 024151
Cyclopia or cebo-cephalus monstrosity in *goat* **(Capra** hircusL.). 024848
Control of parasitic gastroenteritis in *goats* **[Coccidiosis,** gastrointestinal nematodosis]. 024582
Concentrations of trimethoprim and sulphadoxine in tissues from *goats* and a **cow.** 024293
Dairy *goat* housing and care [Husbandry]. 023109
Dairy *goats* for family milk supply [Husbandry]. 023110
The use of progestagens to control the oestrous cycle of the **dairy** *goat.* 024009
Dairy *goat* herd health problems. 024319
On the fine structure of salivary glands of *goat* and **dog.** I. Parotid gland. 023346
Estimation of the concentration of urea in the blood of horses, cattle, *goats* and **dogs** using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
Induction of pulmonary edema and **emphysema** in *goats.* 024883
Transport of sulfonamides into caprine *[goat]* **erythrocyte** [Veterinary pharmacology]. 024317
Mycotic mastitis produced **experimentally** in *goats.* 024650
Artificial insemination of cattle, swine and *goats* in **France** in 1974. 024066
Sheep and *goat* **grazing** responses in the Pre-Sahara. 023866
Structural and thermodynamic basis of affinity in anti-dinitrophenyl [Rabbits, *goats,* **guinea** pigs] antibody. 024462
Presence of epsilon toxin in an apparently **healthy** *kid:* a note [Clostridium perfringens, enterotoxaemia]. 024552
Goat **keeping** miscellanea. 023120
Some studies on the production of *goat* **kidney** cortical cell monolayers. 023368
Water metabolism in the **llama** [and *goat].* 023380
Gynaecomastia in a **male** *goat.* I. Sexual activity and sperm and milk quality. 024273
Quantitative aspect of the endogenous urea cycle in *goats* **[Metabolism].** 023570
Brucellosis, abortion cause, in sheep and *goats* in **northern** Greece. 024509
Caprine pneumonia caused by Corynebacterium **ovis** *[Goats].* 024547
Endogenous inhibitor of carboxypeptidase A from *goat* **pancreas.** 023436
Endogenous inhibitor of carboxypeptidase A from *goat* **pancreas.** 023437
The **productive** *goat,* a resource in the process of being exploited [Colombia]. 023154
Properties of erythrocytic acid phosphatase in sheep and the isoenzymes of erythrocytic acid phosphatase in **sheep** and *goats.* 023253
Gastrin activity along the gastrointestinal tracts of some ruminants and the donkey [Cattle, *goats,* **sheep].** 023416
Isolation of foot-and-mouth disease virus from recovered animals [Cattle, *goats,* **sheep,** buffaloes]. 024564
The presence of Toxoplasma gondii in *goats* in **Sri** Lanka. 024501
A suspected outbreak of aflatoxicosis [Aspergillus flavus] among *goats* in **Sri** Lanka [Contaminated feed]. 024948
Multiple antigenic sites on an eicosapeptide. I. Precipitin **studies** in the *goat.* 024532
Studies on fertilized ova **transfer** in *goat.* 024205
Ill-effects of feeding mouldy peanut hay to **young** *goats* [Aspergillus nidulans, mycotoxicosis]. 024955

GODRONIA
Effect of temperature on the development of *Godronia* **cassandrae** f. vaccinii cankers on lowbush blueberry. 027929

GOLD
The *golden* **age** of Gambrinus. A brief history of early brewing in Syracuse. 022401
Economics of mechanical pulping in newsprint or how to choose a *gold* mine **based** on different energy cost scenarios. 025507

Study of the Andrena carantonica behavior during the blooming of the *Golden* **Delicious** apple trees [Apoidea, pollination]. 029741
Effects of bulb vernalization on yield and quality characteristics of outdoor **grown** *Golden* Yellow Freesia hybrida. 027763
Histochemistry of the metanephors in the *golden* **hamster.** II. The adult ureter. 023421
Golden **touch** of Chinese chefs. 022360
Growth, yield, and fruit quality of virus-infected and **virus-free** *Golden* Delicious apple trees. 028181

GOLGI
Additional data on morphological and cytochemical features of the *Golgi* **apparatus** in vegetative cells of the chlorophycean alga Ulva lactuca L. (Ulvales). 025966
A possible role for intercisternal elements in the formation of secretory vesicles in **plant** *golgi* apparatus [Maize roots]. 026023
Characterization of fibrous compound of *golgi* **vesicles** in tapetal cells of Delphinium. 026053

GOMPHRENA
Some leguminous hosts for potato virus X *[Gomphrena* **globosa].** 028269

GONADS
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human **chorionic** *gonadotropin,* gonadotropin-releasing hormone]. 023984
Synchronization of oestrus and ovulation in the mare with a two PG-HCG [prostaglandin-human **chorionic** *gonadotropin]* sequences treatment. 024001
Induction of ovulation and pregnancy in captive cottontail rabbits by **exogenous** *gonadotrophin* treatment and artificial insemination. 024225
Toxic effects of diazinon [insecticide] on the *gonads* of **fowls.** 025008
Mitochondrial reorganizaion following stimulation by HCG [human **hchorionic** *gonadotropin]* of testis Leydig cells from hypophysectomized pigs. 023352
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, *gonadotropin-releasing* **hormone].** 023984
Clinical response of diary cows with ovarian cysts to GnRH *[gonadotropin-releasing* **hormone].** 024857
Hormonal responses of dairy cows with ovarian cysts to GnRH *[gonadotropin-releasing* **hormone].** 024858
Role of catecholamines in **photoperiodically-induced** *gonadal* development in Coturnix quail. 024038
Ovulation control in cattle with progesterone intravaginal device (PRID) and *gonadotropin* **releasing** hormone (GnRH). 023994
Effect of energy on LH [luteinizing hormone] response to consecutive Gn-RH *[gonadotrophin* **releasing** hormone] injections [cattle]. 024194
Estrus and ovulation with prostaglandin F2alpha, norgestamet and *gonadotrophin* **releasing** hormone [Cattle]. 024197
Gonadotrophin and **steroid** levels around the time of first ovulation in the rat. 024106
Experiences with a **synthetic** *gonadotropin-releasing* hormone in sterility [Cattle]. 024229
Macro- and microscopic examinations on the effect of a **synthetic** *gonadotrophin* releasing hormone (GnRH) in cattle with cystic ovaries. 024274
The presence of **Toxoplasma** *gondii* in goats in Sri Lanka. 024501
An in vitro study on lymphocyte-mediated immunity in mice experimentally infected with **Toxoplasma** *gondii.* 024625

GOOSEBERRIES
The phenolics of fruits. VI. The phenolics of currants, *gooseberries* and **blueberries.** Changes in phenolic acids and catechins during development of black currants. 023004
Preliminary attempts to reduce root knot nematode [Meloidogyne hapla] infestations on **Chinese** *gooseberry* roots. 028424
Diseases of **currants** and *gooseberries.* 028463
Honeybees, *gooseberries* and **dollars** [Bees as pollinators, returns]. 029722

GORA
National parks in the spatial system of protection of the nature of the Tatry, Pieniny and **Babia** *Gora* mountains [Poland, Czechoslovakia]. 030829
Protection of the nature of the Slovak slopes of the **Babia** *Gora.* 030835
The influence of tourism on the vegetation of the **Babia** *Gora* National Park. 030837
Twenty years of scientific investigations in the **Babia** *Gora* National Park. 030843

GOSSYPIUM
Breeding implications from a diallel analysis in two environments of yield and component characters in Upland **cotton** *(Gossypium* hirsutum). 026301
Season and summer flush seeds and their influence on yield and quality of rainfed Karunganni **cotton** *(Gossypium* arboreum L.). 027395

GOSSYPOL
Interaction of *gossypol* with **cottonseed** protein: potentiometric studies. 022791

GOUDA *see* **CHEESES**

GOVERNMENT
How Canada markets wheat: *government* is in **charge.** 021538
Farm milk cooling and milk collection. Report transmitted by the *government* of **Finland.** 022557
Committee on Commodity Problems, *Intergovernmental* **Group** on Jute, Kenaf and Allied Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. 021662
Implications of *government* **land** banks and residency requirements for agricultural land use. 021172
Implications of *government* **land** banks and residency requirements for agricultural land use. 021173
The management of Kauri forests: a historical review of *government* **policy** and a proposal for the future. 025151
Government **programs** for the farming economy in the Great Plains. 021734

GRAAFIAN
Relationship between glycolysis and steroidogenesis in **cultured** *Graafian* follicles stimulated by LH [luteinizing hormone] or prostaglandin E2 [Rats]. 024135
Functional and structural relationships in the *graafian* **follicle** population of the sheep ovary. 024120

GRACILARIA
Studies on Indian Gracilaria. I. Carpospore and tetraspore germination and early stages of development in *Gracilaria* **corticata** J. Ag. [Algae]. 025629
Taxonomic notes on *Gracilaria* **mammillaris** (Mont.) Howe and Gracilaria veleroae Dawson (Rhodophyta, Gigartinales) [Algae]. 025844

GRADING
Mastering the production of rectified top *grade* **alcohol** [from wood]. 025311
The separation of beef meat according to quality and cuts in **Athens** *[Grading].* 021864
Implications of the proposed changes in **beef** *grades.* 021829
A guide to carcass data service **(beef)** *[Grading].* 021835
Tips on custom processed **beef** *[Grading].* 021849
Branch *grading* indexes after size in pedunculate oak, sesile oak and beech stands [Quercus, Fagus]. 025161
Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), fed diets **containing** *graded* levels of an amino acid mixture. 029313
Impact of conversion to *grade* A on **Federal** Milk Orders [Prices, marketing]. 021481
Assessment for establishing the perceptibility of the basic flavors [in **food** *grading].* 021851
Studies on the nondestructive measurement of quality of Satsuma mandarin oranges. II. The use of light transmittance techniques for **fruit** *grading.* 021861
Methods of establishing optimum dimensions of production in the utilization of *low-grade* **lumber** and wood waste. 025396
Screening of malting barley in the laboratory: a new laboratory screening apparatus for the *grading* of **malting** barley and other grains. 022743
Some notes on using low level of good *grade-fishmeal* with **non-glutinous** broken rice and glutinous broken rice in swine growing-finishing rations. 023843
A **pneumatic** *grading* table PSS-02 [for seeds used in breeding]. 026247
Effect of **quality** *grade* and cut formulation on the palatability of ground beef patties. 022679
A novelty in *grading* **raw** cotton. 027429
Grade and **yield** [Swine, carcasses]. 022655

GRAFTING
Reproducing fruit trees by *grafting* and **budding.** 027754
Grafting **cacti** [Mammillaria, Melocactus]. 027807
The *grafting* of **conifers.** 025225
Transmission by *grafting* of a **disease** of peach in Greece resembling that of chlorotic leaf roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. 028234
Studies on nutrition of *grafted* **plants** [Pharbitis, Ipomoea bana-nox, sweetpotato]. I. Nitrogen nutrition. 027144
Studies on the *grafting* **technique** of Pinus brutia. 025239
Anomalies in the behaviour of certain peach and apricot **varieties** *grafted* on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. 028168

GRAFTS
Viruses causing **apple** *topworking* disease (Taka tsugi byo) in Japan. 028210
Graft **copolymers** of dextrin and polyacrylamide as filler retention aids [Production of filled bond paper]. 025486
Use of irrigation installations in the planting of **grape** *grafts* in a nursery. 030155
Graft **incompatibility** in Pinus contorta. 025256
Precocious development of glucuronidating and hydroxylating enzymes in chick embryos treated with **pituitary** *grafts.* 023284
Apple proliferation [virus] disease in Spain: *graft* **transmission** and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. 028170
Possible relationships among pome fruit viruses detected in *graft* **transmission** trials. 028190

GRAINS
Distribution of nitrogen in different plant parts of sorghum and amino acid composition of its *grain* as **affected** by foliar application of urea. 030468
Angoumois *grain* moth [Sitotroga cerealella]: chemical control of infestation in shelled corn. 028979
Australian *grains* stage rally as rains finally arrive [Exports]. 021520
Screening of malting barley in the laboratory: a new laboratory screening apparatus for the grading of malting **barley** and other *grains.* 022743
The effect of some storage parameters on biochemical changes in [malting] **barley** *grain.* 022822
The yield and quality of *grain* of **barley** varieties under different mineral fertilization levels [in breeding intensive types]. 026278
Dispersal of Bacillus thuringiensis spores by nonsusceptible species of *stored-grain* **beetles.** 028975
Suffocation hazards in *grain* **bins.** 029900
Computer control of **brewhouse** *grain* batching and brew scheduling. 022544
Large-grained **buckwheat** varieties. 027573
Controversy flares over **Canada's** *grain* "Crow Rate". 021527
Changes in **Canadian** *grain* and livestock policies: implications for U.s. and Minnesota agriculture. 021771
Land use shifts and increasing **cereal** *grain* output in E.C. [Common Market]. 021488
Identification and properties of "phytate" in **cereal** *grains* and oilseed products. 022773
Near possibility of reducing **cereal** *grains* in poultry diets-a review. 023812
Root systems of some species of annual **cereal** *grains* from Turkmenistan [in relation to soil moisture]. 026616
Characterization of bound residues of [the selective herbicide] nitrofen in **cereal** *grains.* 029105
Extraction and concentration of the volatile constituents of **cereals** *grains* with a view to their analysis by gas chromatography. 022739
Morphological and chemical study on *grain* **characteristics** of indigenous Thai rice variety. 022810
The question of *grain* **content** and forage quality in maize: comparisons between isogenic fertile and sterile plants. 026191
Experience on the transit of *grain* in a **continuous** dryer with flooded air channels. 022745
Digestible, metabolizable and net energy values of **corn** *grain* and dehydrated alfalfa in sheep. 023759
Balance of soil moisture in *grain-sugarbeet* **crop** rotation. 030383
Root patterns in *[grain]* **crops** as related to water and nutrient uptake. 026963
Productivity of *grain* **crops** in rotations of the southeastern districts of the Ukrainian steppes. 027562
Equipment for *grain* **disinfection** with formaldehyde. 030164
Studies on the small size of *grain* **dryer** and storage bin for the farm. 030117
The heterogeneity of the germination of wheat **ear** *grains.* 026921
USSR-East **European** *grain* market. 021568
No transport crunch yet for record U.S. *Grain* **exports.** 021550
A model of the **feed** *grain* sector of Canadian agriculture [Price policies]. 021477
France's *grain* crops down, but exports may be higher. 021535
The orientation response of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to **germinating** *grain* and to carbon dioxide. 029290
The influence of nitrogen and benlate on leaf-area duration, *grain* **growth** and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570
Accumulation of stored nutrients in the *grains* of **hexaploid** triticale. 026137
Problems of **increasing** *grain* production in the Ukraine. 021342
M3-1 thresher of breeding material [of cereals and *grain* **legumes].** 026260
A linear programming **livestock-feed** *grains* model. 023018
Drying and quality of *grain* **maize.** 023026
The influence of distance between rows and crop density on grain yield and dry matter content in *grain* **maize.** 027568
The estimation of interactions in NPK [nitrogen, phosphorus, potassium] manuring experiments with *grain* **maize** carried out over a number of years. 030569
Sophistication in *grain* **marketing.** 021597
Mexican *grain* crops recover from 1974/75 lows [Production]. 021545
Triticale - new **miracle** *grain* revitalizes cereal products. 022342
Preservation of stored **moist** *maize-grain* in a plastic enclosure, while waiting for drying. 023017
Density of rewetted high **moisture** *grains.* 022844
Economic analysis of *grain* and **oilseed** production in Western Canada [Costs, returns]. 021374
Dielectric properties of wood and hardboard: variation with temperature, frequency, moisture content, and *grain* **orientation.** 025531
Airflow patterns in conical-shaped **piles** of *grain.* 022843
Scanning electron microscopy of **pollen** *grains* of the European species Erica L. 025964

Development of **pollen** *grain* and the formation of spermocells in pollen tubes of Delphinium camptocarpum Fisch. et Mey. 026614
Observations of additional divisions in **pollen** *grains* of homozygous wheat plants (Triticum aestivum L.) obtained by androgenesis in vitro. 026920
The effect of oleander [Nerium oleander] glycosides on the germination of **pollen** *grains* and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Soviet distress slaughter [of hogs and poultry brought about by the **poor** *grain* crop] down from September high [Production]. 021562
Grain **[production]** shortfall underlines weather's impact in USSR. 021537
Research on *grain* **quality** at the All-Union Breeding and Genetics Institute of the Lenin Academy of Agricultural Sciences [USSR]. 027557
Reducing *grain* loss on the cutter of the E512 combine harvester. 030011
A rapid method for the determination of manganese ethylenebisdithiocarbamate [fungicide] and its **residues** on *grains.* 029114
Pattern of crack formation in **rice** *grain* as influenced by shape and orientation of cells. 022792
Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in **seedling** *grain* sorghum. 028742
Storage of **seeds** *[Grain].* 022797
The Monosem-Pneumatic **single** *grain* seeding machine for maize. 030048
The Unadrill ZM 4 S **single** *grain* seeding machine. 030053
Universal **single** *grain* seeding machine for seeding sugarbeets. 030056
Distribution of *grain* **size** in baked rye chips. 022749
Distribution of *grain* **size** in baked rye chips. 022750
Macronutrient variation in **small** *grain* forage as related to specie and variety. 026943
Small *grain* varieties 1975. 027348
Small *grains* for pasture. 027526
Preference of Lysiphlebus testaceipes [parasitoid] for greenbug [Schizaphis graminum] resistant and susceptible **small** *grain* species. 028737
Preventing greenbug [Schizaphis graminum] outbreaks [on **small** *grains* and sorghum]. 028769
Enzyme inhibition by polyphenols of **sorghum** *grain* and malt. 022508
Preliminary study on using IS 8719 **sorghum** *grain* in broiler rations. 023842
Digestibility of *grain* **sorghum** stover and wheat straw supplemented with NPN [non-protein nitrogen, cattle]. 023857
Yield and quality of corn and *grain* **sorghum** grain and residues as influenced by N [nitrogen] fertilization. 027360
Grain **sorghum** performance tests in Texas, 1974 [Yields]. 027458
Noncompetitive effects of common milkweed, Asclepias syriaca L., [weeds] on germination and growth of *grain* **sorghum.** 028491
Use of no tillage in double-cropping wheat with soybeans or *grain* **sorghum.** 030603
Control of odors and aerosols from **spent** *grain* dryers. 030914
Selection for minimizing **spiral** *grain* in Larix leptolepis Gord. 025180
Is it possible to obtain yields of 10 **ton/hectare** of *grain?* 027498
Simulation model for *grain* **transportation** and handling rationalization on a regional basis. 021479
How moist are *grains?* **Type** table of devices to measure cereal moistness. 030028
Effects of breed and forage **vs** *grain* feeding on beef palatability and shelflife. 022701
Genetic analysis of the *grain* **weight** per plant in wheat by the method of a single array of crosses. 026152
Whole **wheat** *grain* feeding of lambs. V. Effects of roughage and wheat grain mixtures. 023701
Ultrastructure of the cuticular membranes of the developing **wheat** *grain.* 025993
Determination of groats formation ability of **wheat** *grain* for the evaluation of its quality [during early stages of breeding]. 026253
Soil temperature and soil aeration effects on concentrations and total amounts of nutrients in 'Yecora' **wheat** *grain.* 027047
Usefulness of micromethods for determination of milling and baking quality of **wheat** *grain.* III. Comparison of qualitative characters and varieties and lines of wheat. 027415
Dry weather retarding USSR **winter** *grains* [Production]. 021531
Some easing seen in **world** *grain* situation [Supply]. 021560
World *grain* trade and other factors influencing U.S. Beef production. 021624
Climatic variability and **world** *grain* production [Yields]. 027408
Genetic analysis and combining ability of *grain* **yield** components of maize inbred lines. 026151
Inheritance of *grain* **yield** and its components in two crosses of rice (Oryza sativa L.). 026237
Effect of partial defoliation during the vegetative phase on subsequent growth and *grain* **yield** of maize. 027366
The influence of distance between rows and crop density on *grain* **yield** and dry matter content in grain maize. 027568
Technology of soybean cultivation for *grain* **[Yields].** 027577

GRAMA

Bringing back **blue** *grama* [Bouteloua gracilis, growth as forage crop]. 026885
Primary shoot production of **blue** *grama* [Bouteloua gracilis]grassland in south-central New Mexico under two soil nitrogen levels. 027525

GRAMINEAE

Merxmuellera guillarmodae Conert n. Sp. *(Gramineae:* **Arundinoideae).** 025818
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of *Gramineae* **[Cicadelloidea,** Fulgoroidea, vectors]. 028158
Nomenclatural changes in stem borers [Chilo] of *gramineous* **crops.** 029581
Determination of the diet of phytophagous animals, based on the analysis of the siliceous phytoliths of *Gramineae* and **Cyperaceae.** Description of silica bodies based on scanning. 025883
Determination of the diet of phytaphagous animals based on the analysis of the siliceous phytoliths of *Gramineae* and **Cyperaceae.** Application to food selection by Orthoptera, Acridiida. 029263
Gramineae. 025695
Stem aerenchyma as a character separating Hymenachne and **Sacciolepis** *(Gramineae,* Panicoideae). 025635

GRANARIES

Dust development in *granary* **drains** [Feed processing]. 023054

GRANULARITY

Clover root curculio [Sitona hispidulus]: Control with *granular* **carbofuran** as measured by alfalfa regrowth, yield, and root damage. 028749
Preparation and use of briquet and *granular* **feeds** [Cattle]. 023961
Pressure of *granular* **material** on wall of model silo. 029915
Heat and mass transfer in freeze drying of **mixed** *granular* particles. 022454

GRANULATION

Economic effectiveness of the production of *granulated* **mixed** feeds [Costs, Mongolia]. 021415
Unusually **severe** *granulation* of winter stores caused by nectar from ivy, Hedera helix, in Ireland [Honey]. 022489

GRANULES

Caralluma *incarnata* var. Alba (G. Don) N.E. Br. 025653
Juxtaglomerular **cell** *granules* in the developmental mesonephros and metanephros of swine embryos. 023568
Gomori-positive **elementary** *granules* in inner and outer layer of the infundibulum [Animals]. 023358
Dense **ergastoplasmic** *granules* in the glandular lobe of the locust corpora cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
Flavonoids from **Passiflora** *incarnata.* 027159
Big drops, little drips and *granules* **[Spraying** equipment]. 030017
Historical review of our studies on **starch** *granules.* 022420
Triallate *granule* spacing effect on oat. 028623

GRANULOCYTES

Alteration in **human** *granulocyte* function after in vitro incubation with L-ascorbic acid. 022016

GRANULOMAS

Meningitis and *granulomatous* **chorio-ependymitis** in cats. 024715

GRANULOSIS

A note on an unusual case of echinococcosis **[Echinococcus** *granulosus]* in a buffalo (Bos bubalis). 024794
Observations on a *granulosis* **virus** of the potato tuberworm, Phthorimaea operculella. 028875

GRAPEFRUIT

Variation of the long-chain hydrocarbon pattern in different tissues of **Duncan** *grapefruit.* 027259
Seasonal changes in *grapefruit* **harvested** from three different regions of Greece. 027626
Quantitative determination of limonin in *grapefruit* **juice** by high-pressure liquid chromatography. 022919
Effects of ethephon and waxing on the degreening of Cyprusgrown **lemons** and *grapefruit.* 022945
Test allows early detection of young [orange and *grapefruit]* **tree** decline [Diseases of unknown origin]. 028442

GRAPES

Internal control of stomatal physiology and photosynthesis. II. Photosynthetic responses to phaseic **acid** *[Grapes].* 027120
Advice for production of wine from *grapes* **affected** by gray mold [Botrytis cinerea]. 022961
Grape and **apple** pomace charcoal. 022482
The effect of irrigation and fertilizers on the accumulation of aromatic substances in *grape* **berries** and on wine quality. 027300
Toxicity from **boron** *[Grapes].* 028428
Canada's *grape* growers plant improved varieties [Marketing]. 021524
Hours and misfortunes of systemic fungicides in the control of gray rot [Botrytis **cinerea]** of *grapes.* 028092
Grape **culture** in the Soviet Union. 027835
The Bachli bird defense system in *grape* **culture.** 028435
Mice in *grape* **cultures.** 028434
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a sex pheromone of [the **European** *grape* vine moth] Lobesia botrana. 028894
Stepniak, a **frost-resistant** *grape* variety. 027854
Method of breeding for combined immunity of *grapes* to **fungus** diseases and Phylloxera. 026309
Use of irrigation installations in the planting of *grape* **grafts** in a nursery. 030155
Musts of the 1975 *grape* **harvests.** 022985
White *[grape]* **juice** separation system. 022877
Effect of *[grape]* **leaf** content and mechanical harvest on wine "quality". 022875
Volatile constituents of *grape* **leaves.** I. Vitis vinifera variety 'Chenin Blanc'. 027108
Mechanical *grape* harvesting in Anjou [Costs, equipment]. 021429
Aroma of **Muscat** *grape* varieties [due to terpenes]. 022915
Grape **pest** monitoring improved with sex traps and aerial photography [Insects]. 028891
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and *grape* **products,** toxicity, etc.). 028087
Grape **proteins,** their properties and wine stability. 022991
Effect of urea and boron on the **quality** of *grapes.* 030473
Dependence of the quality of muscadine and **red** *grape* varieties and wines on the content of sodium salts in the soil. 022988
Effects of irrigation regimes on *grape* **ripening** [Composition]. 030744
Production of *grape* **seedlings** in the Ukraine. 027853
Fruiting problems of fruit trees. 25. *[Grapes,* **strawberries,** citrus]. 027101
Pollination **studies** in *grape.* 027181
Introduction of low-volume spraying [Disease and pest control of fruit **trees** and *grapes].* 028472
Possibility of protecting **true-rooted** *grapes* from Phylloxera. 028912
Breeding of *grape* **varieties** resistant to Phylloxera by means of intervarietal hybridization. 026308
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of *grape* **varieties** [Winter injury]. 027287
Strawberry-raspberry-grape **varieties** for Minnesota. 027732
Studies on cold hardiness of *grape* **vines.** I. Studies on cold hardiness of grape varieties [Winter injury]. 027287
Influence of trellising on growth and yield of 'Thompson Seedless' *[grape]* **vines** [in California]. 027698
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, *grape* **vines** and grape products, toxicity, etc.). 028087
Wild *grape* of Nuristan and its relation to the history of civilization of mankind. 027709
Grape and **wine** production within the framework of a joint venture [Cooperation]. 021271
Electrophoretic determination of proteins in *grapes* and **wine.** 022990
Nutrient supply of **Zurich** *grape* soils [Fertilization]. 030521

GRAPEVINES

Effect of thiourea on rest period of *grapevine* **buds** [in India]. 027696
Effectiveness of insecticidal sprays against *grapevine* **cicadellid,** Arboridia (Arborifera) viniferata Sohi and Sandhu in the Punjab, India. 028862
Rooting and end of rest in 'Carignane' *[grapevine]* **cuttingsas** affected by collection time and cane segment used. 027699
A comparison between healthy and **leafroll-affected** *grapevine* planting stocks. 028216
Foliage removal effects on **'Shiraz'** *grapevines.* 027697
Should *grapevine* **shoots** be cut off after injury from herbicides? 028535
Rapid indexing procedures for detecting yellow speckle disease in *grapevines* **[Virus** diseases]. 028267

GRAPHOGNATUS

Control of white-fringed weevil *[Graphognathus* **leucoloma]** adults with insecticides [pests of pastures and lucerne]. 028776

GRASSES

Seedling competition of some *grasses* **[Agropyron,** Elymus] in mono- and mixed culture under greenhouse conditions. 027384
Black-grass **[Alopecurus** myosuroides, control]. 028484
Catalogue of species of weeds infesting cultivated areas in Brazil—**annual** *grasses.* 028499
Barley *grass* damage to lambs. 024986
Laboratory germination of **barley** *grass.* 027038
Effect of ethofumesate on **barley** *grass* [Hordeum] and other pasture species [Control]. 028553
Factors affecting herbicide control of **barley** *grass* [Hordeum]—pot trials. 028556
Use of Mixi-Tok S [herbicide] in maize against **barnyard** *grass.* 028593
Back home on the range: calf, *grass-fed* **beef.** 022309
Grass-fed **beef** is cheaper, but is it for you? 022365
Use of *grass* **covers** for intensification of agricultural production and improvement of the environment [Culture, varieties, pastures, lawns]. 027449

The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of **dried** *grass* in sheep. 023708
The use of **dried** *grass* in ruminant feeding. 023852
Identification of common **farm** *grasses*. 2. Identification bytheir shoots and leaves. 025579
Feeding *grass* straws to wintering cows. 023863
Effect of *grasses* **fertilized** with carbamide and diammonium phosphate on the chemical composition of meat and physical properties of the wool of sheep. 022715
Poultry manure—its use in agriculture *[Grasses,* **fertilizers].** 030428
Effect of coumarins on germination and growth of some **forage** *grasses* and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. 026997
Effect of mineral fertilizers on yield and quality of **forage** *grass* stands of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
Cubing tests with *grass* **forages** and similar roughage sources. 023077
Dietary adaptability of the desert cottontail *[Grasses,* **forbs,** shrubs]. 025911
Studies on the weaning and grazing of calves. 1. The **grazing** *grasses* [Dactylis, Ladino clover] and rumen adaptation. 023876
Control of *grass* **grub** [Costelytra zealandica] in Otago and Southland. 028774
Ephelis oryzae syd. On some hosts new to **India** *[Grasses].* 027946
The nutritive value of **Kikuyu** *grass,* Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. 023723
Overwintering of **lawn** *grass* [Culture]. 027810
Investigation on the efficiency of the reduction of submitted samples, carried on the model of *grass* and **leguminous** seed mixtures [Quality tests]. 027414
The role of meadow **leguminous** *grasses* in increasing productivity of cultivated pastures. 027565
Auxiliary methods for determining the time of the ripeness of *grasses* **[Lolium,** harvesting]. 027533
A comparison of some chemical and physical properties of alkali lignins from *grass* and **lucerne** hays before and after digestion by sheep. 023776
The **Massey** *Grass* Meter [to assess the actual quantity of pasture]. 027398
Harvesting dates for stubble residues of **meadow** *grass* seed plants [Festuca, Bromus]. 027559
Production of *grass* **meal** in specialized associations of Moldavia [Costs]. 021458
Photocontrol of phytochrome destruction in *grass* **[oats,** maize] seedlings. The influence of wavelength and irradiance. 027002
Influence of water stress on water relations and growth of a tropical (C4 [carbon]) *grass,* **Panicum** maximum var. trichoglume. 026902
United Kingdom, kingdom of *grass* **[Pasture** management]. 027447
Chemical weed control of seed plantings of **perennial** *grasses.* 028626
Phytotoxic *grass* [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of ponderosa pine. 028451
Effect of the level of nitrogen nutrition on yield and quality of **planted** *grass* stands. 027060
Forage yield **potential** of some *grasses.* 027419
The use and abuse of new pasture cultivars: with special reference to 'Grasslands Matua' **prairie** *grass.* 027399
The selective control of *grasses* in **red** clover (Trifolium pratense) and lucerne (Medicago sativa) crops by carbetamide and propyzamide. 028606
Tetrapion: evaluation for the control of **rhizomatous** *grasses* [Pennisetum clandestinum, Agropyron repens, Cynodon dactylon, Agrostis tenuis] and toetoe [Cortaderia fulvida]. 028571
Hardboards from spent **rosha** *grass* Cymbopogon martini var motia. 025385
Possibilities of a further increase of the service life of knives of the **rotary** *grass* cutter RZS-160. 030004
Alternatives to *[grass* **seed]** field burning. 027404
Experiments and results of desiccation of *grass* **seed** crops [Defoliation]. 027539
Storage time and fermentation temperature of *grass* **silage** as factors affecting its voluntary consumption by sheep. 023055
Stress-strain behavior of **single** *grass* stalks. 026988
Relationship between orange G dye-binding capacity and total N [nitrogen] content of **six** *grass* species [Protein content]. 023021
Seasonal variation of **turtle** *grass,* Thalassia testudinum Konig, with reference to temperature and salinity effects. 026374
Modification of the botanical composition and dry substance yield of *grass* and **white** clover mixtures from the use of different Dactylis varieties. 027369

GRASSHOPPERS

Preparation of *grasshoppers* **[Chorthippus** brunneus] for studies of meiosis. 029352
Morphology of the male sex organs, spermatophore formation and insemination in the **clear-winged** *grasshopper,* Camnula pellucida (Scudder). 029198
Sulphonamide antibiotic control of Malameba locustae (King & Taylor) and its **effect** on *grasshoppers.* 029199
Rearing and breeding of **European** *grasshoppers* (Orthoptera: Saltatoria) in the laboratory. 029511
Plague fights plague [Nosema locustae control of *grasshoppers* on **forage** crops, biological control]. 028701
Observations on the rate of egg laying of some *grasshoppers* **(Orthoptera,** Acridiidae). 029502
An SEM [scanning electron microscope] study of stridulatory structures of a *grasshopper* **[Paktia** gardezae] from Afghanistan. 029212
A sex-chromosome hybrid zone in the *grasshopper* **Podisma** pedestris (Orthoptera: Acrididae). 029362
Population energetics and ecology of the **rock** *grasshopper,* Trimerotropis saxatilis. 029321
Variation in food preferences of **three** *grasshopper* species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. 028704

GRASSLANDS

Ragwort [Senecio jacobaea] control in *grassland*—an **alternative** strategy. 028486
Synecology of the **anthropogenic** *grasslands* in Valdivia Province, Chile. 025858
Effects of liquid manure management on the labor and economics of *grassland* and **arable** land farms [West Germany, Austria]. 030422
Studies on the landscape management of pasture land using the plant succession theory. 2. The inspection of **artificial** *grasslands* from a standpoint of environmental preservation. 027495
Current problems in using liquid manures on *grassland* **[Austria].** 030421
Primary shoot production of blue grama **[Bouteloua** *gracilis]grassland* in south-central New Mexico under two soil nitrogen levels. 027525
Seasonal variation in leaf area index of a *grassland* **community.** 025921
Sterotyped system of land utilization for the *grassland-type* **dairy** farming management. 021304
Improvement of surface sowing in *grassland* **establishment.** V. Making pelleted seeds with pelleter and its effects on early growth of pasture species. 027463
Yield, composition and dynamics of flora in *grasslands* for **hay.** 027364
Yield, composition and dynamics of flora in *grasslands* for **hay** in Finland. 027365
Marginal sulphur supplies for *grassland* **herbage** in southeast Scotland [Nutritional deficiencies]. 028380
The use and abuse of new pasture cultivars: with special reference to *'Grasslands* **Matua'** prairie grass. 027399
Influence of autumn-winter lucerne management and **overdrilled** *'Grasslands* Tama' on spring herbage yields under irrigated and dry conditions [Lolium multiflorum]. 027459
Phytosociological changes in **permanent** *grasslands* on pumice soils caused by molybdenum application. 025861
The production utilization of seeds [by Pogonomyrmex barbatus, birds, rodents] in **plains** *grassland* of southeastern Arizona. 025895
Grassland vegetation analysis using remote sensing techniques. 4. Multispectral photo interpretation of vegetation for the purpose of *grassland* **planning.** 027492
Successful sowing of **seeded** *grasslands.* 027371
Epidemiology of salmonellae [in cattle] and fertilizing of *grassland* with **sewage** sludge. 030572
Multiple cutting of **sown** *grasslands* in the central Urals [Hay yields, composition, costs]. 027581
Nitrogen fertilization of *grassland* in the **spring.** Report of research during the period 1971-1973. 030515
Macro-element and trace element nutrition of sheep grazing **tussock** *grassland.* 022709
Legume establishment on low fertility semi-arid **tussock** *grasslands.* 027460
Annual report of the **Tussock** *Grasslands* and Mountain Lands Institute for the year 1973/74. 027502
Studies of a climosequence of soils in **tussock** *grasslands.* 3. Nitrogen mineralisation and protease activity. 030267
Studies on a climosequence of soils in **tussock** *grasslands.* 4. Respiratory activities and their relationships with temperature, moisture, and soil properties. 030268
Grassland **vegetation** analysis using remote sensing techniques. 3. Spectral reflectance of plants as a base of multispectral photo interpretation. 027491
Grassland **vegetation** analysis using remote sensing techniques. 4. Multispectral photo interpretation of vegetation for the purpose of grassland planning. 027492

GRAVEL

Water from *gravel.* 030653

GRAVITY

Responses of the two-spotted spider mite, Tetranychus urticae Koch., to **light** and *gravity.* 028677
Gravity **slide** studies on atmospheric pollen in Finland. 025600
Specific *gravity* estimates of bone composition [Cattle, sheep, swine]. 022706

GRAY

Pasteurellosis in **African** *grey* parrots (Psittacus erithacus L.). 024445
Shearing resistance, internal friction and coherence of *light-grey* and **cinnamon-grey** forest soils. 030293
Giant axons in the central nervous system of **Ctenomorphodestessulatus** *(Gray),* an Australian stick insect. 029393
Shearing resistance, internal friction and coherence of light-grey and *cinnamon-grey* **forest** soils. 030293
Advice for production of wine from grapes affected by *gray* **mold** [Botrytis cinerea]. 022961
Control of *gray* **mold** (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). 028087
Hours and misfortunes of systemic fungicides in the control of *gray* **rot** [Botrytis cinerea] of grapes. 028092
Naturally occurring terpene derivatives. LIII. On new sesquiterpenes from Polypteris **texana** (DC) A. *Gray.* 026462
The fine structure of conidial development in the genus Torula. I. Torula herbarum (Pers.) Link ex S. F. *Gray* and **Torula** herbarum f. quaternella Sacc. [Yeasts]. 025996

GRAZING

Beef yield on an alfalfa field *[Grazing,* **Argentina].** 023692
Herbage intake and *grazing* **behaviour** in ewes of four breeds at different physiological states. 023696
Studies on the weaning and *grazing* of **calves.** 1. The grazing grasses [Dactylis, Ladino clover] and rumen adaptation. 023876
Costs of *grazing* **[cattle** and horses] on public lands. 021433
1975 proceedings, Nevada/California beef conference **[Cattle** *grazing,* pasture management]. 027489
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey **cows** *grazing* Setaria anceps cv. Kazungula swards. 023698
Seasonal change of palatability of orchardgrass [Dactyis] varieties **[Ewes,** *grazing].* 023874
Sheep and **goat** *grazing* responses in the Pre-Sahara. 023866
Studies on the weaning and grazing of calves. 1. The *grazing* **grasses** [Dactylis, Ladino clover] and rumen adaptation. 023876
The value of an A.U.M. [Animal unit month] of *grazing* **[Land** use]. 021213
Aspects of *grazing* use in the **Pyrenees** [Cattle, sheep]. 023155
Macro-element and trace element nutrition of **sheep** *grazing* tussock grassland. 022709
Estimation of food intake of **sheep** *grazing* green pasture when no free water is available. 023751
Summer *grazing* performance of cattle as influenced by water stress & trailing. 023146
Some advantages but also some constraints with **zero** *grazing.* 023790

GREASE

The new breed of *grease* **filters.** 022320

GREEN

Observations on mechanisms of attachment in the *green* **alga** Ulva mutabilis Foyn. An ultrastructural and light microscopical study of zygotes and rhizoids. 026060
Sulphate uptake and metabolism in the chrysomonad, Monochrysis lutheri *[Yellow-green* **alga].** 026381
The initial organic products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the *blue-green* **alga** Anabaena cylindrica. 026395
Modification of the automated sequence determination as applied to the sequence determination of the *[blue-green* **alga]** Spirulina maxima ferredoxin. 026404
Flavin as an active component of the photoreversible pigment system of the *green* **alga** Protosiphon botryoides Klebs. 026697
Variations of the lipid composition during the formation of cysts in the *green* **alga** Protosiphon botryoides. 026774
Toxicity of zinc to the *green* **alga** Selenastrum capricornutum as a function of phosphorus or ionic strength. 028357
Green **algae.** 025803
Canopy lichens with *blue-green* **algae:** a nitrogen source in a Colombian rain forest. 025894
Carbonic anhydrase levels in *blue-green* **algae** [Anabaena flos-aquae, Anacystis nidulans, Coccochloris peniocystis, Oscillatoria]. 026440
Microtubular complexes in *blue-green* **algae** [Nostoc sphaericum]. 026820
Ultrastructure of a **blue** *green* alga: Pseudanabaena galeata, Bocher. 026051
Evaluation of some insecticides for control of *green* **bug** [Coccus viridis] on coffee. 028661
Improved rearing unit for larvae of a **common** *green* lacewing [Chrysopa carnea]. 029401
Erythrodiol content of **"dark** *green"* olive oil. 022980
The economics of using artificially **dried** *green* crops in milk production [Dairy cattle, feeding costs]. 021410
Drying *green* feed with "homemade" heat? 023024
Heat-technical examination of *green* **fodder** silos. 029955
The use of forage sorghum. V. NO3-N content in the *green-chopped* **forage** sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. 023057
14C [carbon isotope] incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in *green* **gram** [Mung beans]. 027164
Estimation of food intake of sheep **grazing** *green* pasture when no free water is available. 023751
Phosphorus in *green* **house** soils. 030441
Green **Isle**—a promising new variety of perennial ryegrass [Lolium perenne]. 027406
Rearing a *green* **lacewing,** Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis mellifera] brood. 029258

Biosynthesis of chlorophyll b in a homogenate of *green* **leaves** in the dark and under light [Barley]. 026947
Small-log sawmill systems in Western Canada: headrig downtime, rough, *green* **lumber** yield from sound, straight logs, log throughput, volume productivity analysis procedure. 025540
Succinyl-CoA synthestase in *greening* **maize** leaves. 027011
The biosynthesis of delta-aminolevulinic acid in *greening* **maize** leaves. 027013
Utilization and maintenance of the natural fertility of paddy soils [Plant residues, *green* **manures**]. 030446
Direct and residual effect of *green* **manures** and other organic residues on soil aggregation and potato yield. 030483
Increase of soil fertilizity with *green* **manures** [Field crops]. 030548
Green **manuring** in hop gardens. 030523
Investigations on the ecology and physiology of the **marine** *blue-green* algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Studies on the **methyl** *green-DNA* complex and its dissociation by drugs [Calf thymus]. 023304
Pandorina morum **(mulberry** *green* alga) in the process of division. 026683
Weeds in orchards as important alternate sources of *green* **peach** aphids [Myzus persicae] in late spring. 028855
Comparison of two methods of asparagus cultivation: earthed up for producing white asparagus and flat culture for **producing** *green* asparagus. 027827
The importance of afforestations and *greens* in the **protection** of the natural environment. 025020
The *Green* **Revolution:** for bread and peace. 021756
The *Green* **Revolution** [Food production policies, India]. 021757
Achievement motivation, socio-economic status [of farmers] and the *green* **revolution.** 021758
Bionomics of the *green* **rice** leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. 028789
Subculturing of cells from the embryo of the *green* **rice** leafhopper, Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). 029229
The vascular flora and vegetation in the *Green* **River** Gorge, North Carolina. 025677
Control of *green* **sagewort** [Artemisia campestris] in the Nebraska sandhills [Herbicides]. 028610
Linkage of six genes in [the **unicellular** *green* alga] Chlamydomonas reinhardtii [Algae] and the construction of linkage test strains. 026195
Tests on evaluation of the performance of end coatings on *green* **wood.** 025426

GREENBUGS

Preventing *greenbug* [Schizaphis graminum] outbreaks [on small grains and sorghum]. 028769
Incidence of paedogenesis in the *greenbug* **[Schizaphis** graminum, sorghum]. 028732
Preference of Lysiphlebus testaceipes [parasitoid] for *greenbug* **[Schizaphis** graminum] resistant and susceptible small grain species. 028737

GREENHOUSES

Developments in *[greenhouse]* **climate** control. 029875
Radiation absorption of canopy rows [in a *greenhouse* **climate].** 029882
Seedling competition of some grasses [Agropyron, Elymus] in mono- and mixed culture under *greenhouse* **conditions.** 027384
Flower-bud blasting in tulips [due to storage and *greenhouse* **conditions].** 028302
Protection of cucumbers in *greenhouse* **conditions** [Disease and pest control. 028478
Investment credit available for *greenhouse* **construction.** 021376
Mist propagation [of plant cuttings, *greenhouse* **construction].** 030111
A computer for crop research and climate **control** in *glasshouses.* 029986
Controlled-environment agriculture [systems] in desert regions [Plastic **covered** *greenhouses].* 029873
Effects of beet western yellows virus on **crambe** in the *greenhouse.* 028264
Heat radiation from a *glasshouse* **crop** canopy at night. 029878
The effect of steam sterilisation of soil on the manganese uptake by *glasshouse* **crops.** 027637
Nutrition of *greenhouse* **cucumbers** on peat substrates [Mineral fertilizers]. 030489
Growth and development of young tomato plants [in *greenhouse* **culture].** 027607
Prospect of hydroponic method of vegetable **culture** in *greenhouses.* 027785
Selecting high-yield varieties of tomatoes for *greenhouse* **culture.** 027855
The influence of convective sensible heat transfer on the *greenhouse* and the **curtain** effect. 029890
Problems of **desert** *greenhouses.* 029881
Symposium on *Greenhouse* **Design** and Environment, Silsoe, 18-21 September 1973. 029887
Wind loads and *greenhouse* **design.** 029891
The development and testing of an environmentally **designed** *greenhouse* for colder regions. 029975
Standardization of designs and **equipment** *[Greenhouses].* 029885
Solar timing for pot watering *[Greenhouse* **equipment].** 030022
Airflow and temperature distribution in *greenhouses* with **fan** ventilation. 029869
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the *greenhouse* and **field.** 028874
Full-scale *glasshouse* wind load measurements. 029877
Peat and other organic materials repeatedly used for *greenhouse* **grown** vegetables. 027620
Soil treatments for control of rootknot nematode (Meloidogyne incognita) in *greenhouse* **grown** cucumber. 028366
Determination of *glasshouse* **heat** requirements from temperature and wind records. 029874
The response of the **heated** *glasshouse* lettuce crop to in situ supplements of low illuminance fluorescent light. 027645
Some aspects of energy balance in *greenhouses* **[Heating].** 029884
The use of supplementary lighting in **horticulture** *[Greenhouses].* 027660
The effect of non-root fertilizer supplements on the physiological indices and cucumber yield in **hydroponic** *greenhouses* [Soiless culture]. 027301
Effect of ventilation on maximum air temperatures in twelve **identical** *glasshouses.* 029876
An **inenxpensive** *greenhouse* vent controller. 029987
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and tomato production in a sandy **loam** *greenhouse* soil. 028345
Transport operations in *greenhouses* **[Mechanization].** 030068
An inflated plastics roof for a **multispan** *greenhouse.* 029870
Heating soils, soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in *greenhouse* and **mushroom** culture]. 028339
Pesticide license *[Greenhouse* **operators].** 029091
Phoma tropica n. Sp., a nonpathogenic fungus, commonly occurring on *greenhouse* **plants.** 028048
Best radish varieties for **plastic** *greenhouses* [Yields]. 027776
Bees in *greenhouses* [as **pollinators].** 029844
The energy balance of an air-inflated **polyethylene** *greenhouse.* 029889
The economics of *greenhouse* **production** [Costs]. 021413
Humidity conditions and the development of fungus diseases in *glasshouses* **[Pseudoperonospora** cubensis, Bremia lactuceae, Botrytis cinerea]. 027879
A set of **refrigerated** *greenhouses* for crop environment research-air flow problems. 029868
Reducing the heat **requirements** of a *glasshouse.* 029883
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and winter bloom production of the *glasshouse* **rose** 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
Plantwetting and evaporative cooling of *greenhouse* **roses** and other flower crops. 027623
Ethylene disorders in bulbous crops [Tulipa] during **storageand** *glasshouse* cultivation. 028301
The design of ducted-air heating **systems** *[Greenhouses].* 029888
Variability of tobacco mosaic virus in relation to control of tomato mosaic in *glasshouse* **tomato** crops by resistance breeding and cross protection. 028272
Root temperature and *glasshouse* **tomato** production [Equipment]. 029988
Growing *[glasshouse]* **tomatoes** in peat substrates. 027606
Light-dependent temperature programmes for early-sown **tomatoes** [in *greenhouses].* 029879
The *greenhouses* [for **tropical** and subtropical plants] at Talbot manor [England]. 027770
Study of *glasshouse* **type** and orientation. 029886
Tomatoes on straw bales in **unheated** *greenhouses* [Yields]. 027791
Vegetable *greenhouse* insect control. 028835
Comparative measurements of fan and pad cooling and plant **wetting** *[Greenhouses].* 029871
A comparison of the effectiveness of insecticides against *glasshouse* **whitefly** (Trialeurodes vaporariorum). 028813
Visual and olfactory responses in orientation to plants by the *greenhouse* **whitefly,** Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 028840
Spectral specific responses in the visual behavior of the *greenhouse* **whitefly,** Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 029336

GREVILLEAS

A **new** *Grevillea* [microstegia] species from western Victoria. 025752
Grevillea **willsii** (Proteaceae) a new Victorian species. 025754

GREYHOUNDS

Antiarrhythmic, Haemodynamic and metabolic effects of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in *Greyhounds* **following** acute coronary artery ligation. 023320
A filarial parasite in *greyhounds* in **Southern** Ireland [Dogs]. 024750

GRIFFITHSIA

Evidence for a species-specific cell fusion hormone in red **algae** *[Griffithsia].* 026818

GROUND

Predominant psychrotrophic bacteria on fresh and **aged** *ground* beef and antelope. 021960
Long term can trapping for population analyses of *ground-surface,* **arid-land** arachnids. 029588
Effect of quality grade and cut formulation on the palatability of *ground* **beef** patties. 022679
Chilled food systems [Quality-related propeties of **cooked** *ground* beef loaves]. 022666
Effect of *ground* **cover** and pasture height on oviposition and establishment of soldier fly larvae [Inopus rubriceps]. 028778
Comparison of work done in the air and on the *ground* **[Farm** management, agrotechnology]. 021267
Vertical electrical resistivity soundings to **locate** *ground* water resources: a feasibility study. 030641
Some **native** *ground* orchids [Orchidaceae]. 025806
Hippeastrum hybridum Hort. Annual cycle under conditions ofthe **open** *ground* of Ashkhabad. 027185
Increase of germination of vegetable seeds in **open** *ground.* 027210
The effect of various levels of phosphorus fertilizers on the development of the root system and *above-ground* **parts** of the tea plant. 030540
Properties of protein isolates prepared from *ground* **seeds.** I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Tomato diseases in **sheltered** *ground.* 028481
Postmortem glycolysis in *ground* **skeletal** muscle as influenced by prerigor freezing and subsequent thawing. 022718
Plant protection and industry *[Ground* **squirrels** as cereal pests, control]. 028475
Ultralow **volume** *ground* aerosols of propoxur (Baygon MOS) for control of adult mosquitoes [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029056
Ground **water** map and the agriculture of the Great Plain [Hungary]. 030734
Monitoring disposal-well systems [surveillance of the quality of surface and *ground* **waters].** 030867

GROUNDNUTS

Note on the yield of jowar [durra] and *groundnut* and **cost** of tillage under various tillage systems. 030590
Supplementary value of leaf protein and *groundnut* **meal** in the diet of preschool children. 022112
Genetics of a dwarf **mutant** in *groundnut.* 026303
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or *groundnut* **oil.** 022144
Comparison of nutritive values of *groundnut* **oil** cake and Niger oil cake for laying pullets [Chickens]. 023712
Studies on *groundnut* **proteins.** IV. Effect of storage or proteolysis on the gel electrophoresis pattern of arachin. 022776

GROUNDWATER

A water quality model for a **conjunctive** *surface-groundwater* system. 030725
Modeling techniques for *groundwater* **evaluation.** 030633
Coupled saturated-unsaturated transient *[groundwater]* **flow** in porous media: experimental and numeric model. 030387
Normal mode analysis of the linear equation of *groundwater* **flow.** 030793
Alterations in the soil reclamation status of lands due to irrigation from an earth-channel irrigation network under conditions of a **hampered** *groundwater* outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
Cybernetic principles of investigating problems of control of the movement of **regional** *groundwater* flows. 030757
Theory of vertical hydrodynamic zonation of Artesian basinsof the platform **type** *[Groundwater].* 030782
Conditions of formation and regional evaluation of subsurface discharge in fold-mountain regions (as exemplified by the basin of the Chusovaya River in the middle **Urals)** *[Groundwater].* 030754
Comprehensive evaluation of the effect of industrial activity on the regime of *groundwater* in the **vicinity** of reservoirs. 030753
Clogging of screens and intake zones in collector **wells** *[Groundwater].* 030752

GROUSE

Ectoparasites [of the **willow** *grouse* and the ptarmigan] in Norway [Lice]. 029014

GROVES

Auxometric investigations on **beech** *groves* of the Gargano [Fagus, forest mensuration]. 025102
Improving fertility of **citrus** *groves.* 027750
Unique irrigation system enhances Tampa **citrus** *grove.* 030645
Some technical bases recommended for the establishment and initial care of **fruit** *groves.* 027829
Experiment in the protection of oak [Quercus] *groves* from the **oak** roller moth. 028965

GROWERS

Cassava and cassava leaf as meal for **broilers** and *growers.* 023834
Canada's **grape** *growers* plant improved varieties [Marketing]. 021524
What do the *growers* **need** in azalea novelties: (Rhododendronsimsii Planch.)? 027828
Louis Menand—early **orchid** *grower.* 027706
Experience of Estonian **potato** *growers.* 027778
Advice for the **soybean** *grower* [Culture]. 027361
Equipment necessary for **vegetable** *growers.* 030063

GROWTHS

Effect of sodium acetate on *growth* and **aflatoxin** production by Aspergillus parasiticus NRRL 2999. 021924

Environmental physiology, modeling and simulation of **alfalfa** *growth.* Conceptual development of SIMED [Simulation of Medicago]. 027041

The effect of transport on biostimulation of **algal** *growth* [Chlorella pyrenoidosa, Anacystis nidulans]. 026547

Effects of morphactin on the *growth* and **amino** acids content of lentil roots. 027149

Effect of pH [hydrogen-ion concentration] on the *growth* **andcytopathogenicity** of avian infectious bronchitis virus in chick kidney cells. 024420

Essentiality of nickel for the *growth* of **animals.** 023952

Growth of **apiculture** in the Frankfurt area. 029785

Forests and sites on the Styrian eastern rim of the alps; *growth* **area** No. 18 [General aspects]. 025051

Forests and sites on the Styrian eastern rim of the Alps; *growth* **area** no. 18 (supplements). 025052

Red light enhances the *growth* of **Avena** coleoptiles. 026873

Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and *growth* in **Avena** [oats] coleoptile segments. 027030

Growth of **bacteria** [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from vacuum-packed beef at low temperatures. 021938

Bacterial *growth* in seafood on restaurant premises. 021862

Lipid metabolism during **bacterial** *growth,* sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660

Effects of cattle dung and dung beetle [Onthophagus nuchicornis] activity on *growth* of **beardless** wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434

The effect of the condition of the buds on the cuttings of tea plants on the establishment and **biology** of *growth.* 026836

Renal responses of the hypophysectomized rat to infusions of **bovine** *growth* hormone. 023520

Growth of **broadbeans** infected by Botrytis fabae [Chocolate spot]. 027992

Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. I. On the *growth* of the **broilers.** 024048

Flowering and **bulb** *growth* of Nerine bowdenii. 027076

Promotion of sorghum **callus** *growth* by the s-triazine herbicides. 027028

Effect of ralgro on weight gains of suckling **calves** *[Growth].* 023647

Comparison of the *growth* and **carcass** composition of purebred Angus and crossbred Hereford-Angus and Friesian-Angus steers [Beef cattle]. 022695

Malnutrition studies in Macaca mulatta. IV. Energy and protein consumption during growth failure and **"catch-up"** *growth.* 022005

Effects of ammonium perchlorate on **cattle** *growth* and meat quality. 023956

Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic pressure regulators of moth **cell** *growth.* 029370

Growth **characteristics** of two populations of Pinus rigida Mill. from the pine barrens of New Jersey. 027315

The effects on growth and flowering of the **chemical** *growth* regulators ethephon on Narcissus and ancymidol on tulip. 027086

Studies on all season management of beef cattle with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their **compensational** *growth* in spring. 023875

The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on *growth* **conditions** of cells. 026912

Influence of *growth* **conditions** upon some physiological disorders of apples. 028413

Influence of rate and placement of osmocote [slow-release fertilizer] on *growth* of **container-grown** Celosia argentia. 030526

Zinc accumulation and *growth* of **corn** seedlings as affected by endosperm removal. 026896

Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum **crop** *growth* rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994

Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under dim light, maximum **crop** *growth* rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995

Isoenzyme changes during the *growth* **cycle** of Paul's Scarlet rose cell suspensions. 027246

Fatty acid composition of adipose tissue of Jersey cattle during *growth* and **development.** 023452

A reappraisal of the *growth* and **development** of peach fruit. 027119

Biochemical changes associated with *growth* and **development** of pineapple variety Kew. IV. Changes in major lipid constituents. 027179

The *growth* and **development** indexes of cotton and a diagnosis of its high and consistent yield. 027390

Growth and **development** of young tomato plants [in greenhouse culture]. 027607

The influence of the time of propagation, pinching and shortday treatment on the *growth* and **development** of Euphorbia pulcherrima. 027641

Effects of the plant growth regulator indolebutyric acid on the *growth,* **development,** and reproduction of the western tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924

The effect of root and foliar nutrition on the *growth,* **development** and yield of mandarin orange fruits [Soil and foliardressing with fertilizers]. 030539

Crown release accelerates **diameter** *growth* and crown development of yellow birch [Betula alleghaniensis] saplings. 025260

Implanting calves for added pounds and profit **[Diethylstilbestrol,** *growth].* 023648

Growth and **differentiation** of the water mold Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and protein synthesis [Fungi]. 026390

Photosynthesis in relation to *growth* and **distribution** of fruit in peach trees. 027122

Influence of birth date and dam's age on **early** *growth* in beef cattle. 023619

Improvement of surface sowing in grassland establishment. V. Making pelleted seeds with pelleter and its effects on **early** *growth* of pasture species. 027463

Studies on the effect of the alteration in the internal environment of poultry egg on **embryonic** *growth.* V. Effect of albumin removal on embryonic growth in chickens. 023661

Influence of various conbinations of silybine, silydianine and silychristine on the **embryonic** *growth* of garden cress (Lepidium sativum L.). 027173

Regulation of seed dormancy in Elaeagnus umbellata by **endogenous** *growth* substances. 027155

A system of *growth* **equations** for the continuous simulation of plant growth. 026853

The effects of mercury on the photosynthesis and *growth* of **estuarine** and oceanic phytoplankton [Algae]. 028372

On the specificity of sucrose for the *growth* of **excised** tomato roots. 027154

Effects of selenium, chromium and antioxidants on *growth,* **eye** cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182

Growth **factors,** of course, but first rearing conditions [Animal nutrition]. 023789

Malnutrition studies in Macaca mulatta. IV. Energy and protein consumption during *growth* **failure** and "catch-up" growth. 022005

Mathematical bases for analysing the *growth* of **farm** animals. 023269

Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the *growth* and **fattening** of castrated male pigs. 023872

Effects of various energy protein ratios in rations on *growth* and **feed** conversion of broilers. 023837

Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the *Growth* in the **fifth** instar larvae and the productivity of silk substance and eggs. 029776

The effect of different planes of nutrition during growth on the productivity of Holstein cows. 3. *Growth* to the **first** calving of two groups at the same body weight. 023877

Influence of culture conditions on *growth* of **FL-74** cells and feline oncornavirus cell membrane associated antigen production. 024542

Influence of climatical conditions on *growth* and **flower** yield of Anthurium andreanum. 027609

Biological bases *[growth,* **flowering]** for applied biological control of winter rape. 027057

Growth and **flowering** responses of Lilium longiflorum to bulb and shoot light and temperature treatments. 027077

The effects on *growth* and **flowering** of the chemical growth regulators ethephon on Narcissus and ancymidol on tulip. 027086

Follicular *growth* during the normal cycle and after treatment with progestagens in the ewe. 023985

Bringing back blue grama [Bouteloua gracilis, *growth* as **forage** crop]. 026885

Effect of coumarins on germination and *growth* of some **forage** grasses and legumes [Trifolium repens, Trifolium pratense, Phleum pratense]. 026997

Influence of temperature on *growth* of **Froker** oats for forage. II. Concentrations and yields of chemical constituents. 026935

Influence of the water status on the *growth* and **fruit** setting of pepper and eqqplant in protected cultivation. 027612

Effect of irrigation regimes on trunk and **fruit** *growth* rates, quality and yield of apple trees. 030662

Growth and **fruiting** of two Pima cottons. 027056

Relation of *growth* and **fruiting** in lemon (Citrus limon Burmann). 027182

Fixing the final weight of young bulls of different gene design with special reference to the *growth* **function.** 023268

Factors influencing the *growth* of **fungi** in high-moisture corn treated with propionic acid. 027987

Noncompetitive effects of common milkweed, Asclepias syriaca L., [weeds] on germination and *growth* of **grain** sorghum. 028491

The influence of nitrogen and benlate on leaf-area duration, **grain** *growth* and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570

Growth **habit** of wheat and its related species in relation to sowing time. 026911

Effect of replacing barley with tapioca meal at two different levels of feeding on the *growth* and **health** of early weaned pigs. 023792

Selection of chickens for a local broilor strain and the effect of **heterosis** on *growth.* 024189

Growth **hormone,** cyclic nucleotides and the rapid control of translation in heart muscle [Rats]. 023280

Episodic secretion of *growth* **hormone** in steers and bulls: an anaylsis of frequency and magnitude of secretory spikes occurring in a 24 hour period. 023630

Lipid mobilization in rabbits. I. Dexamethasone, TSH [thyroid stimulating hormone], and GH *[growth* **hormone].** 023632

Site and *growth* of the **important** bamboo plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the yield tables]. 025080

Inhibitory action of five tannins on *growth* **induced** by several gibberellins [in peas]. 027273

14C [carbon isotope] incorporation in chloramphenicol **inhibited** *growth* and its reversal by riboflavin in green gram [Mung beans]. 027164

Reaction of interruption of darkness by light and *growth* **inhibitors** [Tobacco]. 026950

Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with **insect** *growth* regulators and insecticdes. 028853

Activity and longevity of **insect** *growth* regulators against mosquitoes. 029023

Evaluation of newly synthesized **insect** *growth* regulators against Anopheles quadrimaculatus, Anopheles albimanus, and Aedes taeniorhynchus. 029041

Influence of physical factors on the *growth* of **insect** cells in vitro. II. Sodium and potassium as osmotic pressure regulators of moth cell growth. 029370

The *growth* of **larvae** of Tipula oleracea Linnaeus, 1758 (Diptera, Tipulidae). 029499

Toxicity of carbaryl and diazinon to gypsy moth [Porthetriadispar] larvae: changes in relation to **larval** *growth.* 028665

Inhibition of **larval** *growth* of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837

Lichen *growth* on Camellias [as indicator of their poor condition]. 028324

Microbes from soybeans. Inhibition of *growth* by **lipoxygenase** isoenzyme. 022848

Control of *growth* of **mammalian** cells in cell culture. 023590

Milk yield in mice selected for *growth* or **maternal** ability. 024053

Moisture absorption, **mold** *growth,* and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176

The effect of different planes of nutrition during growth on the productivity of Holstein cows. 2. *Growth* during 18 **months** of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878

Growth of **mounds** and foraging territories in Odontotermes redemanni (Wasmann) (Isoptera: Termitidae). 029375

Action of magnetic and electric fields on the *growth* and **mutation** rate of various microorganisms [Escherichia coli, bacteria, Penicillium chrysogenum, fungi]. 026370

Two additive, independent genes for **mycelial** *growth* versus sporidial growth of haploid cultures of Ustilago hordei [Smut fungi]. 026113

Two additive, independent genes for **mycelial** *growth* versus sporidial growth of haploid cultures of Ustilago hordei [Fungi]. 026114

A multiple inoculation technique for the screening of fungal isolates for the evaluation of *growth* and **mycotoxin** production on agar substrates [Feeds]. 023046

The effect of prewarming, presoaking and hot water treatment on the *growth* of **Narcissus** and control of stem eelworm (Ditylenchus dipsaci (Kuhn) Filipjev). 028311

Changes in the **natural** *growth* of Gelidiella acerosa (Forskal) Feldmann et Hamel in an exploited population [Algae, agar industry]. 025877

Maternal malnutrition and **neonatal** *growth* hormone [Cattle]. 023634

Feed intake and *growth* in **New** Zealand feedlots [Beef cattle]. 023828

Dowco 290 [3,6-dichloropicolinic acid]—a **new** *growth* regulator herbicide [Cirsium arvense, Senecio jacobaea]. 028551

Yield response to soil warming: agronomic crops [Soil temperature for **optimum** *growth,* utilization of energy production waste waters]. 026895

Yield response to soil warming: vegetable crops [Soil temperature for **optimum** *growth,* utilization of energy production waste waters]. 027106

Growth of **ovis** variety Chlamydia psittaci in cellular cultures and practical applications [Sheep]. 024703

Growth **peculiarities** of young stands of spruce in cutover areas. 025120

Fine structure of the yeast cell accompanied by changing the *growth* **phase** [Saccharomyces cerevisiae]. 026010

Comparison of phospholipid composition of Aedes aegypti andAedes albopictus cells obtained from logarithmic and stationary **phases** of *growth.* 029442

Photoautotrophic *growth* and photosynthesis in tobacco callus cells. 027027

Effect of gibberellic acid on *growth* and **photosynthesis** in Abies balsamea. 027311

Changes in fatty acid and triglyceride compositions of porcine tissue lipids associated with *growth* of **pigs.** 023572

On the effect of seed origin on *growth* of **pines** in the Uralfoothills. 025201

Effect of mineral fertilizers on *growth* of **pines** in a fairly moist pine forest. 027328

Plant *growth* optimisation using a small computer. 026316

Plant *growth* promoting substances produced by Actinomycete 5406 [Fungi]. 026327

Effect of ammonium on *growth* of **plant** cells (Ipomoea sp.) in suspension cultures. 026442

Indole-3-acetic acid: Mass spectra and chromatographic properties of amino acid conjugates [**Plant** *growth* regulators]. 026619
Some developments in research on **plant** *growth* inhibitors. 026815
A system of growth equations for the continuous simulation of **plant** *growth.* 026853
On the phenomenon of ecological equivalence [**Plant** *growth,* environmental factors]. 026871
Cycocel **plant** *growth* regulant: Fate of carbon-14 chlorocholine chloride in sugarcane grown in Hawaii. 026974
Dynamic characteristics of *growth* of the **plant** root system and methods of their determination [Oats, barley]. 027000
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on **plant** *growth,* root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Annotated bibliography on root temperature and **plant** *growth,* 1967-1974 [Horticultural crops]. 027285
Effect of some soil amendments on **plant** *growth,* survival and yield of dry beans (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379
Effects of the **plant** *growth* regulator indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924
Effect on **plant** *growth* and nutrient uptake of a saturated gypsum solution given to a soil rich in Ca [calcium]. 030438
Mirex and marine unicellular algae: accumulation, **population** *growth* and oxygen evolution. 028337
Influence of temperature on adult biology and **population** *growth* of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. 028709
Red flour beetle [Tribolium castaneum]: **populaton** *growth* ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
The lipolytic activity of two **porcine** *growth* hormone preparations in pigs. 023645
Some observations on the Japanese field vole, Microtus montebelli (Milne-Edwards) in captivity. I. **Postnatal** *growth* and development [Forest pests]. 025016
Effectiveness of selection for growth rate in Zebu X British crossbred cattle. II. **Post-weaning** *growth* and genetic estimates. 024032
Heterosis and management effects in **postweaning** *growth* of Angus, Hereford and reciprocal cross cattle. 024090
Studies on the regional difference in the *growth* of **potatoes** to the condition of cultivation. 027824
A relationship between stomatal density and *growth* **potential** in apple rootstocks. 027195
Effects of KC1 [potassium vhloride] on the *growth* of **pre-infective** stage of Dictyocaulus viviparus larvae. 024487
Effect of certain chemical mutagens on chromosome rearrangements and *growth* **processes** in hard wheat. 026142
The effect of different planes of nutrition during *growth* on the **productivity** of Holstein cows. 3. Growth to the first calving of two groups at the same body weight. 023877
The effect of different planes of nutrition during *growth* on the **productivity** of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878
Growth and **productivity** of pine stands on the Kurshiu Niariia sandbar. 025118
Growth and **productivity** of representatives of North American tree flora on the Black Sea coast of the Caucasus. 025709
Field observations on a **promising** *growth* regulator for mosquito larvae. 029063
Annotated bibliography on *growth-promoting* **properties** of dithiocarbamate fungicides, 1966-1974. 028089
A discounted least squares **quadratic** *growth* prediction model for use in 2 year toxicity studies [Rats]. 024981
The effect of chemical mutagens on the *growth* of **Quercus** robur seedlings. 027323
Effectiveness of selection for *growth* **rate** in Zebu X British crossbred cattle. II. Post-weaning growth and genetic estimates. 024032
How rapidly can *growth* **rate** be increased in beef cattle by selection? 024211
Changes in the *growth* **rate** of the concomitant microflora in algal cultures under illumination and in darkness [Chlorella pyrenoidosa]. 026686
Influence of temperature, photoperiod and container size on the *growth* **rate** and development of tomato plants in growing rooms. 027611
Comparisons among isolates of Gremmeniella abietina [Pinus pests] by means of *growth* **rate,** conidia measurement, and immunogenic reaction. 027916
Irrigation rate according to the *growth* **rate** of alfalfa stems. 030677
Study on *growth* **rates** of area, production & productivity of pulses in Uttar Pradesh (1959-60 to 1972-73). 027355
Review: *Growth* **regulating** substances of plant origin. 026758
Effect of *growth* **regulating** substances on germination and certain metabolic changes in pea. 027177
Growth **regulation** by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. 026355
Growth **regulator** levels in embryo and suspensor of Phaseolus coccineus at two stages of development [Scarlet runner beans]. 027277
The number and size of [apple] fruits in relation to rootstock type, application of *growth* **regulators,** pruning, and fruit thinning [affect bitter pit development]. 028312
Relative *growth* in some species of Membracidae (Homoptera: Insecta). 029558
Growth **requirements** of Enteromorpha compressa and Codium fragile [Algae, water pollution]. 026546
Growth **requirements** of entomogenous bacteria and the nature of some bacterial diseases of insects [Bombyx mori]. 029789
Effects of potato cyst nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and *growth* of a **resistant** and a susceptible variety. 028402
Growth **response** to latent virus infection of apple trees on seedling rootstocks. 028180
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some *growth* **retardants** on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222
Variations in chlorophylls and carotenoids content of the cherry harvested at different stages of *growth* and **ripening.** 027237
Pigment evolution in Lycopersicon esculentum [tomato] fruits during *growth* and **ripening.** 027248
An experimental container for quantitative recording of **root** *growth* of young trees under varied conditions in the root region. 025544
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial **root** *growth* of ponderosa pine. 028451
The influence of gibberellic acid and kinetin on the *growth* of **Scenedesmus** quadricauda (Turp.) Breb. [Algae]. 026337
Germination, **seedling** *growth* and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) induced water stress. 026906
Emergence, **seedling** *growth* and yield of sweet corn after pregermination at high temperature. 027725
Volatile phytotoxic substances formed by litter of Pinus radiata [inhibiting **seedling** *growth* of white clover and Lolium perenne]. 028397
Influence of clay dishes on *growth* of **seedlings** of Lemaireocereus griseus (Haworth) Britton & Rose. 027209
Effect of nitrogen and phosphorus on the *growth* of **selenastrum** capricornutum [Eutrophication]. 026544
Symptoms of star crack virus on the fruit and **shoot** *growth* of apple cultivars. 028200
Studies on the *growth* of the **silkworm,** Bombyx mori L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of silk substance and eggs. 029776
Urea utilization by calves during their *growth* up to **six** months of age. 023784
Growth of **skeleton** weed (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
Sorghum *growth* as affected by annual applications of atrazine [Herbicides]. 028622
SOYMOD I: A dynamic simulator of **soybean** *growth* and development [Computer simulation model]. 027055
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and **soybean** *growth* in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Two additive, independent genes for mycelial growth versus **sporidial** *growth* of haploid cultures of Ustilago hordei [Smut fungi]. 026113
Two additive, independent genes for mycelial growth versus **sporidial** *growth* of haploid cultures of Ustilago hordei [Fungi]. 026114
Cuttings from the phyllomorph of Streptocarpus wendlandii **Sprenger** *[Growth].* 027069
Stump **sprout** *growth* and quality of several Appalachian hardwood species after clearcutting. 025262
The influence of pH [hydrogen-ion concentration] on the *growth* and **stability** of transmissible gastroenteritis virus in vitro [Swine]. 024426
Changes in cell-wall carbohydrates and lignin of some forage-type millets [pearlmillet, durra, Pennisetum purpureum] asaffected by *growth* **stage.** 026985
Water usage by potato plants at different **stages** of *growth.* 027112
Influence of [soy, fish, yeast] protein supplements on *growth* of **Staphylococcus** aureus and production of enterotoxins. 021926
Growth of **Staphylococcus** aureus, experimentally inoculated in Damietta cheese. 021986
Certain characteristics of wheat **stem** *growth* [Breeding]. 026218
Studies of cytology and *growth* of different **strains** of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development [Forest trees]. 027952
Effect of partial defoliation during the vegetative phase on **subsequent** *growth* and grain yield of maize. 027366
The effect of *growth-regulating* **substances** on metabolism of carbohydrates in cotton plant organs. 026972
The influence of bulb harvest dates, temperature treatments and *growth* **substances** on the ontogeny of Lilium longiflorum. 027089
Attempt at hastening the ripening of the berries of two redpepper cultivars by using 2-chloroethylphosphonic acid *[Growth* **substances].** 027117
Possible involvement of *growth* **substances** in the response of tomato plants (Lycopersicon esculentum Mill.) to different soil temperatures. 027201
Use of urea and *growth* **substances** in winter rye and oats [Yields]. 027553
Growth of skeleton weed (Chondrilla juncea L.) as affected by *growth* of **subterranean** clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
Reserves of *growth* [**Sunflower** culture]. 027576
Effectiveness of various unsaturated fatty acids in **supporting** *growth* and respiration in Saccharomyces cerevisiae [Yeasts]. 026627
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo periodically induced **testicular** *growth* and maturation. 023516
Testis *growth* and plasma LH [luteinizing hormone] concentration following hemicastration and its relation with female prolificacy in sheep. 024128
Effect of initial kLa [volumetric oxygen-transfer coefficient] on the *growth* of **tobacco** cells in batch culture. 026978
Compost nutrient balance: effects on *growth* of **tomato** plants, fruit quality and yield. 030394
Growth of the **tracheae** during the development of physogastry in the queen of higher termites (Isoptera: Termitidae). 029385
Butz sees **trade** *growth* in East Europe, Mideast. 021523
Predicting beef sire genetic values for *growth* **traits** from progeny records. 024094
Use of ethrel to promote rooting and *growth* in **transplanting** some Eucalyptus seedlings. 027327
The relationship of Granny Smith apple **tree** *growth* and early cropping to planting density and rectangularity. 027766
Influence of water stress on water relations and *growth* of a **tropical** (C4 [carbon]) grass, Panicum maximum var. trichoglume. 026902
Effects of two levels of milk intake on calves of **two** *growth* potentials. 023905
Growth of four **types** of white oak [Quercus alba] reproduction after clearcutting in the Missouri Ozarks. 027345
Growth of the **understorey** and beech [Fagus] stands of a young age. 025119
Unidirectional *growth* and branch formation in a thermoconditional mutant of Agrobacterium tumefaciens. 028139
Unknown *growth* factors in milk replacer feeds for fattening calves. 023734
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on *growth* of an **upland** crop. 028446
Effects of dormancy factors on the *growth* of **vegetative** buds of young apple trees [Chilling requirements]. 027118
In **vitro** *growth* of tissues and cells cultures from apple fruits. 027146
The effects of Penicillium **waksmani** *growth* on American foulbrood infected combs and adult honeybee activity [Apis mellifera, Bacillus larvae]. 029842
Live **weight** *growth* and reproducibility of breeding bulls reared with free feed consumption. 023930
Phytotoxic substances contained in sawdust [inhibitory effect on the *growth* of **wheat].** 028409
Duration of effects of benomyl on *growth* and **wilt** (Verticillium dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to time of inoculation. 027896
Investigations on productivity of Japanese cypress (Chamaecyparis obtusa) stands. I. Biomass and *growth* of 28 **years-old** stands in sorayama. 025166
Influence of pseudocryptorchidism on *growth,* **yield** and quality of meat [Cattle]. 023650
Mo [molybdenum] and N [nitrogen] effects on *growth,* **yield,** and Mo composition of burley tobacco. 026890
Effects of CO2 [carbon dioxide] nutrition on *growth* and **yield** of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
Influence of trellising on *growth* and **yield** of 'Thompson Seedless' [grape] vines [in California]. 027698
Effects of spacing and nitrogen level on *growth* and **yield** of pimento [Capsicum annum]. 027716
Effect of sowing time on the *growth* and **yield** of Malachra capitata L. 027759
Growth, **yield,** and fruit quality of virus-infected and virus-free Golden Delicious apple trees. 028181
Effect of manganese and sulphur fertilization on *growth* and **yield** of onions grown on alkaline low moor peat soil. 030395
Changes in body fluid compartments with *growth* in **young** pigs. 023625

GRUBS

Control of **grass** *grub* [Costelytra zealandica] in Otago and Southland. 028774
Natural occurrence of milky disease bacterium, Bacillus popilliae Dutky on **white** *grubs* in India [Sugarcane pests]. 028720

GRUYERE *see* CHEESES

GRYLLACRIDIDAE

Biological observations on Tropidishia xanthostoma Scudder **(Orthoptera:** *Gryllacrididae).* 029466

GRYLLUS
Acoustically orienting parasitoids: fly [Euphasiopteryx ochracea] phonotaxis to cricket song *[Gryllus* **integer].** 029489
The BMA **Zsigmond** *Gryllus* method, a new method of deliming thin [sugar] juice. 1. Fundamental problems regarding thin juice deliming. 022852
The BMA **Zsigmond** *Gryllus* method, a new method of deliming thin [sugar] juice. 2. Half-industrial and factory tests. 022853

GUAIACOLS
Conversion of linoleic acid hydroperoxide by soybean lipoxygenase in the presence of *guaiacol:* **identification** of the reaction products. 026989

GUAIACYL
Synthesis of *guaiacylglycerol-beta-guaiacyl* **ether** [Lignin chemistry]. 025367

GUANIDINES
Induction of p- mutants in Saccharomyces cerevisiae [yeasts] by *guanidine* **hydrochloride.** II. Conditions that prevent p- induction. 026225

GUANOSINE
Hydrolysis of **cyclic** *guanosine* 3',5'-monophosphate in tissues of Schistocerca gregaria (Forsk.) (Orthoptera). 029441
Synthesis of *guanosine* 5'-di- and **-triphosphate** derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf Intestines]. 023305

GUAR
Food value of some *guar* **(Cyamopsis** psoralioides) varieties. 022105
Studies on the biological evaluation of *guar* **(Cyamopsistetragonoloba).** I. Effects of trypsin supplementation on the nutritive value of guar. 022111
Effects of simulated damage by midges [Conatarinia texana] on seed **production** by *guar.* 028750
Studies on the biological evaluation of guar (Cyamopsistetragonoloba). I. Effects of trypsin supplementation on the nutritive **value** of *guar.* 022111

GULLIES
System of mixing tree species in reforestation of *ravine-gully* **lands** [Soil erosion control]. 025215

GUM
The mesquite, a forage tree, a wealth which should be utilized better [Prosopis juliflora, also a source of wood and *gum,* **Colombia].** 027860
[**Xanthan** *gum* from Xanthomonas campestris] for strength and elasticity [Protein sources]. 021995

GUMBORO
Specific B lymphocyte suppression by infectious bursal **agent** *(Gumboro* disease virus) in chickens. 024516
Gumboro **disease** in Thailand [Poultry, infectious disease]. 024672

GUTTIFERAE
Heterostyly and pollen flow in Hypericum **aegypticum** *(Guttiferae).* 025950

GYMNOCALYCIUM
Gymnocalycium **matoense** Buining & Brederoo spec. Nov. 025720

GYNECOLOGY
Dystocias [of domestic animals] seen in the Clinic of Ankara University Veterinary Faculty, Obstetric and *Gynecology* **Department** in the period of 1963-1973. 024861
Ultrasonic double technique as a diagnostic aid in **veterinary** *gynecology* and obstetrics with special regard to new techniques and its resulting range of utilization in clinic and practice. 024231

GYNOECIUM
Impatiens **balsamina** *gynoecium.* Morphological ontogenic and tetratologic studies. 025981
Anatomy of the *gynoecium* in **two** species of Bakeridesia (Malvaceae). 025938

GYPSUM
The biology of Canadian weeds. 14. *Gypsophila* **paniculata** L. 028505
Effect on plant growth and nutrient uptake of a **saturated** *gypsum* solution given to a soil rich in Ca [calcium]. 030438
The increase of the effectiveness of directional crystallization of *gypsum* [from **wood** hydrolisis]. 025345

HABITATS
Peponapis fervens (Smith) in Bolivia (Hymenoptera: **Apoidea)** *[Habitat].* 029481
Forest *habitat* types on the Medicine Bow National Forest, southeastern Wyoming: preliminary report [Plant communities]. 025927
Regions and types of *habitats* in **forestry** as basic factors of up-to-date forestry management. 025085
Larval *habitats* of Tabanus subsimilis subsimilis Bellardi in southeast Texas (Diptera: Tabanidae). 029071
Cymbidium macrorhizon **Lindl.** And its *habitat.* 025591
Attempt at evaluation of the degree and rate of moss decay in a **natural** *habitat.* 026331
Enumeration, concentration, and separation of microbial cells from **natural** *habitats* [Soils, silt, water and other natural habitats]. 030907
Selected bibliography of wildlife and *habitats* for the **Southwest.** 025066
The phenology and *habitat* of the **species** of the subgenus Tipula Linnaeus in the Netherlands (Diptera, Tipulidae). 029703
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and **wildlife** *habitat* in the hilly Coastal Plain of Alabama. 025179

HABITS
Changing **eating** *habits* lift potato product trade. 021525
TV advertising and its effects on children's **eating** *habits.* 022096
Growth *habit* of wheat and its related species in relation to sowing time. 026911
Observations of an unusual **oviposition** *habit* in Armigeres (Leicesteria) annulitarsis (Leicester). 029053
Observations on the egg laying and **sleeping** *habits* of Euparagia scutellaris Cresson (Hymenoptera: Vespoidea). 029468
The use of *habituation* in the **study** of the effects of infantile malnutrition. 022074

HAEMAPHYSALIS
An evaluation of some organophosphate compounds for the control of cattle tick, *Haemaphysalis* **(Kaiseriana)** longicornis (Neumann), in sheep and cattle. 029057

HAIL
Soybean response to stand reduction and defoliation *[Hail* **damage,** plant recovery]. 028319
Hail **formation** and control [Crop protection]. 028432
Hail **formation** and control [Crop protection]. 028433
Protected fruit growing. 2. *Hail* and **hail** protection [Bibliographies]. 028321
Functionality of plastic nets [Fruit harvesting, *hail* **protection].** 029973

HAIR
Feather-forming and *hair-forming* of **dermal** cells from glabrous skin of birds and mammals [Chick, quail and mouse embryos]. 023351
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, **dog** *hair].* 022767
Mosquito larvae. III. The *hairiness* **factor** again? 029637
The reaction of *hair* **follicles** in the vicinity of full-thickness excised skin wounds in the dog. 024978
Baits for the control of the *hairy-footed* **gerbil,** Gerbillusgleadowi [Pests of crops]. 028458
The taste pore of the fleshfly [Boetticherisca peregrina] **labellar** *hair.* 029402
The orientation of certain root-nodule bacteria at interfaces, including **legume** *root-hair* surfaces. 026648
Association of **plant** *hairs* and insect resistance; an annotated bibliography. 028670
Ways of overcoming and preventing the development of resistance to acaricides in the citrus **red** *hairy* mite. 028892
The fate and effect of *hairs* **removed** from honeybees [Apis mellifera] with hairless-black syndrome. 029843
Variations in the **single** *hair* of the honeybee corbicula [Apis mellifera]. 029834
Sulfur content in *hairs* and **skin** of different coloured rabbits and mice. 023683
Translocation of uranin in the symplasm of **staminal** *hairs* of Tradescantia [virginica]. 026452
The fate and effect of hairs removed from honeybees [Apis mellifera] with *hairless-black* **syndrome.** 029843

HALICTIDAE
Study of the bee genus Morawitzia Friese (Hymenoptera: **Apoidea:** *Halictidae).* 029694
The until now unknown species of the bee genus RhophitoidesSchenck (Hymenoptera: Apoidea: *Halictidae)* **[New** taxa]. 029696

HALOBACTERIUM
The microbiology and biogeochemistry of the Dead Sea *[Halobacterium,* **Sarcina,** Dunaliella, Algae]. 026670

HALOGENS
The use of *halogenated* **hydrocarbons** for food freezing. 022470

HALOPHYTES
Halophytes: **adaptive** mechanisms [Salinity]. 026587

HALOTHANE
Halothane **anaesthesia** of normal and dystrophic hamsters. 024339

HAM
Feasibility study on freezing and handling **fresh** *hams* in corrugated fiberboard pallet bins. 022645
Analysis of artificial colouring matters in sausage and *ham* by **paper** chromatography and spectrophotometry. 022707
Effect of polyphosphates on low quality (PSE) [pale, soft, exudative] *hams* during **processing.** 021909
On the production and control of **roasted** *ham.* 022658
Ham **shape** no clue to lean content. 022698

HAMSTERS
Defective interfering particles of Semliki Forest virus generated in BHK **[baby** *hamster* kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504
Phosphatidate phosphohydrolase and palmitoyl-coenzyme A hydrolase in cardiac subcellar fractions by hyperthyroid rabbits and **cardiomyopathic** *hamsters.* 023283
Chromosomal variation, cellular ageing and resistance to antifolate analogues in a **Chinese** *hamster* line. 023272
Dynamics of liver glycogen: The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and **depletion** *[Hamsters].* 023420
Halothane anaesthesia of normal and **dystrophic** *hamsters.* 024339
Histochemistry of the metanephors in the **golden** *hamster.* II. The adult ureter. 023421
Fine structure of Encephalitozoon cuniculi from rabbits, **mice** and *hamsters.* 024613
A survey of naturally occurring diseases of the **Syrian** *hamster.* 024338
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a **transformed** *hamster* cell line with use of specific fragments of the virus genome. 024762

HAND
Studies on the constituents of Lyonia ovalifolia Drude var. **Eliptica** *Hand.-Mazz.* XX. Structure of triterpenoid glucoside, lyofolic acid. 4. Correlation of protolyofoligenic. 026656
Studies on the improvement of the floss silk and *hand* **spun** silk processing. 022533

HAPLOIDS
Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of *haploid* and **aneuploid** formulas. 029351
Caryological studies in **anther-derived** *haploids* of Nicotiana tabacum L. [Tobacco]. 026104
First cases of *haploidy* found in **Coffea** canephora Pierre [Coffee]. 026105
Two additive, independent genes for mycelial growth versus sporidial growth of *haploid* **cultures** of Ustilago hordei [Smut fungi]. 026113
Two additive, independent genes for mycelial growth versus sporidial growth of *haploid* **cultures** of Ustilago hordei [Fungi]. 026114
DNA content of spermatids and spermatozoa of *haploid* and **diploid** drone honeybees [Apis mellifera]. 029814
Isolation and *haploidization* of **heterozygous** diploid strains in a species of Humicola [Soil fungi]. 026201
Studies on the *haploid* **method** of breeding by anther culture in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
Triploidy and *haploid-triploid* **mosaicism** among chick embryos (Gallus domesticus). 024059
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and **neutral** *haploids* and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. 026125
New results on anther culture of wheat (triticum aestivum L.) in vitro: conditions of regeneration of *haploid* **plantletsand** production of homozygous lines. 026919
Efficiency changes due to use of *doubled-haploids* in **recurrent** selection methods [Datura stramonium]. 026302
Induction of *haploid* **tobacco** plants from isolated pollen. 027040

HAPLOPAPPUS
Biosynthesis of cyanidin in cell cultures of *Haplopappus* **gracilis.** 026726
Comparative effects of fusicoccin and gibberellic acid on the promotion of germination and DNA synthesis initiation in *Haplopappus* **gracilis.** 026798

HAPLOPHYLLUM
Structure of foliminine *[Haplophyllum* **foliosum].** 026501
Haplamine—a new alkaloid from *Haplophyllum* **perforatum.** 026480

HARDBOARD
Hardboards from **spent** rosha grass Cymbopogon martini var motia. 025385
Dielectric properties of wood and *hardboard:* **variation** with temperature, frequency, moisture content, and grain orientation. 025531

HARDENING
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during **cold** *hardening.* I. Soluble proteins. 026932
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during **cold** *hardening.* II. Soluble proteins and proteins of chloroplasts and membranes. 026933
Cold *hardening* and carbohydrate composition of Meyer Zoysia [japonica]. 027103

HARDINESS
Selecting & **breeding** *hardy* passion flowers. 026079
Studies on **cold** *hardiness* of grape vines. I. Studies on cold hardiness of grape varieties [Winter injury]. 027287

Comparative changes in *hardiness* and **lipid** composition in two near-isogenic lines of wheat (spring and winter) grown at 2 degrees C and 24 degrees C [centigrade]. 026927
An apparent relationship of soluble sugars with *hardiness* in **winter** wheat varieties. 026925
An apparent relationship of soluble sugars with *hardiness* in **winter** wheat varieties. 026926

HARDNESS

The influence of *hardness* **components** (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, algae, Elodea. 030650
Effect of temperature on respiration of mitochondria and shoot segments from *cold-hardened* and **nonhardened** wheat and rye seedlings. 027021
Osteosarcoma of the *hard* **palate** in a dog. 024930
Studies on the toxicity of zinc sulphate and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in *hard* **water** [Pollution]. 030927
Effect of certain chemical mutagens on chromosome rearrangements and growth processes in *hard* **wheat.** 026142
Hard **wheat** culture in autumn seeding in the northern part of France. 027475

HARDWOODS

Interim guide to regeneration of **Allegheny** *hardwoods.* 025255
Stump sprout growth and quality of several **Appalachian** *hardwood* species after clearcutting. 025262
Low-temperature forced-air drying of **Appalachian** *hardwoods.* 025536
Successional stages in a *hardwood* **bottomland** forest near Dallas, Texas [Vegetation dynamics]. 025924
A new method for the chemical purification of *hardwood* and **conifer** stands. 025188
Mechanical properties of 23 species of **eastern** *hardwoods.* 025530
Chimeras, hyperplasia, and hypoplasia in frost burls [in conifers and *hardwoods]* **induced** by low temperature. 025017
A test of point-sampling in **northern** *hardwoods.* 025171
Uneven-aged management of **northern** *hardwoods* in New England. 025173
Low-temperature-induced cankers and burls [injuries] in test conifers and *hardwoods* **[Pinus,** Malus, Tilia cordata, Ulmus]. 025018
Feeding value of *hardwood* **sawdust** in dairy [cattle] rations. 023694
Short-rotation *hardwood* as a raw material for absorbent pulp. 025471
Test on important physical and mechanical strength properties of *hardwoods* in **Taiwan.** 2. 025275
Poplar [Populus, *hardwood]* **utilization:** a problem analysis. 025539
Enzymatic hydrolysis of *hardwood* **xylans.** II. Isolation of five beta-I lead to 4-xylanasen from three commercial enzyme products. 025363

HARIANA *see* CATTLE

HARMONIA

The effect of temperature and other factors on the expression of elytral pattern in lady beetle, *Harmonia* **axyridis** Pallas. 029259

HARROWING

Implements *[harrows]* for **seedbed** preparation; studies of the mode of working and the working results. 030112

HARVEST

Advanced *harvest* and preservation of cut chrysanthemums. 022977
Chemical desiccation of potato tops, a useful component in the technology of mass crop production *[Harvesting* **aid].** 027848
Questions of operation of **alfalfa** *harvesting* carried out by high-power self-propelled forage harvesters. 030101
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of **bite** *harvested* by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
The influence of **bulb** *harvest* dates, temperature treatments and growth substances on the ontogeny of Lilium longiflorum. 027089
Increasing **bumper** *harvest* of three crops [wheat, early rice, late rice] within a year by applying the materialist dialectics. 027387
Plant protection is a must to *harvest* **bumper** crop of cotton. 028353
Harvesting of **[cereal]** breeding material with a reconstructed lawn mower. 026254
Combine and transportation complexes in the *harvesting* of **cereal** crops. 030167
Variations in chlorophylls and carotenoids content of the **cherry** *harvested* at different stages of growth and ripening. 027237
Catching frame development for a **citrus** *harvest* system. 027726
Combine *harvesting* of seed crops of flax. 027508
A comparison of the protein nutritive value and composition of four cultivars of faba beans (Vicia faba L.) grown and *harvested* under **controlled** conditions. 022145
Investigation of the process of **corn** *harvesting* with crushing and its preserving. 030099
A full load on the **cotton** *harvesting* machinery. 021285
The experience of operating **cotton** *harvesting* machines working at various height in the Pakhtaaral state farm [Kazakh SSR]. 030071
Harvesting **dates** for stubble residues of meadow grass seed plants [Festuca, Bromus]. 027559
Preliminary studies on the incidence of molds on pecan nuts during *harvesting* and **drying** [Aspergillus flavus, Aspergillus parasiticus]. 028039
The mechanization of *harvesting* **fine-fiber** varieties of cotton. 030072
Prediction of nutritive value of **freshly** *harvested* and conserved fodder oat using laboratory analysis. 023038
Functionality of plastic nets **[Fruit** *harvesting,* hail protection]. 029973
Observations on the richness of vitamin C of apples and pears of the 1974 *harvest* in the **Gembloux** region. 022099
Mechanical **grape** *harvesting* in Anjou [Costs, equipment]. 021429
Musts of the 1975 **grape** *harvests.* 022985
Seasonal changes in **grapefruit** *harvested* from three different regions of Greece. 027626
Harvesting and **hauling** logs by species. 025438
Economic evaluation of **hay** *harvesting* methods [Costs]. 021365
Quality of the 1975 [cereal] *harvest* and its **influence** on baking procedures of trade flours. 022803
Influence of nitrogen fertilization, spraying of calcium nitrate, thinning, and time of *harvesting* on **James** Grieve [variety of] apples. 030514
Auxiliary methods for determining the time of the ripeness of grasses **[Lolium,** *harvesting].* 027533
Towards the quantification of *post-harvest* **loss** in horticultural produce [Storage]. 022865
Method of ascertaining cereal **losses** during *harvesting.* 027545
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] *harvesting* by **machine.** 021254
About the preparation for **machine** *harvesting* [of cotton]. 027430
Maize *harvest:* direct mowing on the field is accomplished [Equipment]. 030089
Fruits and tree nuts: blooming, *harvesting,* and **marketing** dates. 027656
Effect of [grape] leaf content and **mechanical** *harvest* on wine "quality". 022875
Separation of blank pistachio nuts by **mechanical** *harvesting.* 027721
Aspects of the agronomic technique of the commercial tomato: investigations on a new cultivar adapted to **mechanical** *harvesting.* 027844
Bruising characteristics of peaches related to **mechanical** *harvesting.* 028443
The evaluation of potato varieties for suitability for **mechanized** *harvesting.* 027841
Effect of *[harvest* **moisture** content and] heated air drying on soybean oil quality. 022845
Nutrient removal in **nut** *harvest* ['Farley' pecans]. 027219
Determination of **optimum** *harvesting* time of forage plants according to fodder digestibility. 027538
Contribution to the problems of *harvesting* **peas.** 027849
Phycobilisomes: *light-harvesting* **pigment** complexes [Chlorophyll, photosynthetesis]. 026419
Poor seed means a **poor** *harvest* [Cereal culture]. 027464
Potato *harvesting* and storage: results and information on the operation of the E684 digger and loader and the E691 stationary automatic separator [East Germany]. 030009
The **Pottinger** *harvesting* truck. 030051
Determination of cereal losses during *harvesting* and ways of **reducing** them. 027569
Quality of **rye** *harvest* in 1975. 022752
Controlling the quality of **rye** before the *harvest.* 027746
Smallwood *harvesting* research at Oregon State University. 025457
Advice for the *harvesting* and **storage** of the most important apple and pear varieties for 1975/76. 022956
Harvesting and **storing** in relation to bitter pit [in apples]. 022864
More "phases", more losses? **[Sugarbeet** *harvesting,* equipment]. 030032
Effectiveness of using new machines for **timber** *harvesting.* 025132
1974 Oregon **timber** *harvest* [Board feet]. 025158
Timber *harvesting* operations in the taiga zone of the USSR and abroad. 025434
Harvesting **timber** of assigned groups of quality [Coniferae]. 025439
Study on assessment of the quality of roughage. 2. Comparative value of orchardgrass hay and silage influenced by *harvesting* **time** and cutting frequency. 023066
Marketing problems force cut in world **tomato** *harvests.* 021544
Bulk rice. Alternatives for *harvesting,* **transport,** drying and storage. 022794
Prospects of mechanizing the *after-harvest* **treatment** and storage of cereal seeds. 027511
The mechanization of **vegetable** *harvesting.* 030014
Walnut *harvest* and preliminary treatment for storage. 022981
Water *harvesting* from watersheds treated for water repellency. 030732
Quality of the 1975 **wheat** *harvest.* Quantitative and qualitative results in the [West German] states and provinces. 022753
Quality of the 1975 German **wheat** *harvest.* 2. Milling and baking quality. 022802
Quality of work of the E280 fodder chopper in the **whole-plant** *harvesting* of cereals [East Germany]. 030010
On "Marking the **wood** *harvest".* 025294
Group use of 8 kg/s combined harvesters and threshers [Cereals, *harvesting,* **work** management]. 021294

HARVESTERS

Reducing grain loss on the cutter of the E512 **combine** *harvester.* 030011
Group use of 8 kg/s **combined** *harvesters* and threshers [Cereals, harvesting, work management]. 021294
The Claas **Dominator** *[harvester-thresher].* 030040
Questions of operation of alfalfa harvesting carried out by high-power self-propelled **forage** *harvesters.* 030101
The Claas **Mercator** 60 *[harvester-thresher].* 030041
What you should know before buying a **potato** *harvester.* 030058
The development of the Australian chopped **sugarcane** *harvester.* 030150
Varieties and methods of planting determined to use **tomato** *harvester.* 027840
Mechanical properties influencing vibrations in blueberry canes **[Vibratory** *harvesters,* mathematical model]. 030145

HATCHING

Spider mite [Tetranychus cinnabarinus] webbing. II. The effect of webbing on **egg** *hatchability.* 029194
Significance of CELO virus contamination of *hatching* **eggs,** in view of its oncogenic properties. 024414
Response of **newly** *hatched* codling moth larvae (Laspeyresia pomonella) to water vapour. 029335
Quality *hatching* eggs. 024163
A comparison of variations in plasma luteinizing hormone concentrations in male and female domestic chickens (Gallus domesticus) from *hatch* to **sexual** maturity. 023512
In **vitro** *hatching* of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the egg membranes [Sheep]. 024789

HAULING

Harvesting and *hauling* **logs** by species. 025438

HAUSTORIUM

Sporophyte development of Funaria hygrometrica Sibth. [Musci]. I. Structural data of water and nutrient **uptake** in the *haustorium.* 026063

HAY

Amino acid absorption by portal-jugular venous differences in sheep fed two maturities of **alfalfa** *hay.* 023756
Air temperature modification in Lumite field cages [used inentomological research] in **alfalfa** *hay.* 029400
Baled *hay* productivity can be improved. 023022
How much does **drying** *hay* under the roof cost? 021385
Yield, composition and dynamics of flora in grasslands for *hay* in **Finland.** 027365
Yield, composition and dynamics of flora in **grasslands** for *hay.* 027364
Economic evaluation of *hay* **harvesting** methods [Costs]. 021365
Study on assessment of the quality of roughage. 2. Comparative value of **orchardgrass** *hay* and silage influenced by harvesting time and cutting frequency. 023066
Ill-effects of feeding mouldy **peanut** *hay* to young goats [Aspergillus nidulans, mycotoxicosis]. 024955
Hay **preservation** and quality improvement by anhydrous ammonia treatment [Digestibility, cattle]. 023012
Preparation and conservation of *hay* **[Processing].** 023010
Mower-presser-hay **processing.** What experts think of the novelties. 030034
The effects of weather on *hay* **production** [Alfalfa]. 027349
Accident prevention devices for dropping outlets [Storage of *hay* and **straw].** 030023
Studies on all season management of beef cattle with the non-pen system. 2. Winter feeding of heifers with only a *hay* **supply** and their compensational growth in spring. 023875
Multiple cutting of sown grasslands in the central Urals *[Hay* **yields,** composition, costs]. 027581

HEAD

Relation between percent of infection of plants and *heads* as **criterion** for evaluation of susceptibility of barley to Ustilago nuda (Jens.) Rostr. 027960
A case of true dorsal flexion of the *head* in a **foal.** 024318
Determination of larval instars of Heterocampa manteo and reduction of **larval** *head* capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918
A simple restraining instrument to facilitate experimental manipulation of the honeybee [Apis **mellifera]** *head.* 029801
Homoeotic effect of the *tumorous-head* **mutant** and differential effect of an enhancer gene in the tumorous-head strain of Drosophila melanogaster. 029292

HEALING

Appearance of bark cracking and process of *healing* of the **cracks** caused by low temperatures on trees of Populus X euramericana clone I-214. 025062
A literary review of **wound** *healing* and the effects of zinc on wound healing. 024992

HEALTH

50 years of the **Animal** *Health* Office of the Weser-Ems Agricultural Chamber. 024365

Animal *health* considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, Anaplasma, and Boophilus ticks]. 024720
Presence of epsilon toxin in an **apparently** *healthy* kid: a note [Clostridium perfringens, enterotoxaemia]. 024552
Distribution of Corynebacterium renale among *healthy* **bulls** with special reference to inhabitation of type III in the prepuce. 024655
The role of blood profiles in **cattle** *health* problems. 024303
Housing, *health* **closely** related [Swine]. 024314
Preparations for marketing irradiated potatoes and onions in the Federal Republic of Germany [Consumer and *health* **considerations**]. 021895
Current *health* problems of cattle kept in modern conditions [Austria]. 024298
Effect of replacing barley with tapioca meal at two different levels of feeding on the growth and *health* of **early** weaned pigs. 023792
General precautionary measures in handling plant protection substances; guidelines of the **Federal** *Health* Office and the Federal Biological Institute. 029144
Animal [cattle] *health* in a **feedlot**. 024345
Nutritional knowledge of *health* **food** users in Oahu, Hawaii. 022127
Dairy goat **herd** *health* problems. 024319
The evaluation of new protein sources from the point of view of *health* [in **human** nutrition]. 022168
Deeper collaboration in veterinary medicine among the Mutual Economic Assistance countries participating in increasing animal production and protection of **human** *health*. 024383
Chemical protection of plants and preservation of **human** *health*. 029185
A comparison between *healthy* and **leafroll-affected** grapevine planting stocks. 028216
Maintaining a *healthy* **livestock** industry on an international basis. 024344
Effect of maternal malnutrition on **maternal** *health* and the outcome of pregnancy. 022189
Effects of ascorbic acid on *health* **parameters** in guinea pigs. 022034
Economics of rural ambulance service in the Great **Plains** *[Health]*. 021073
Recommendation that farms use only *healthy* **planting** stock [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, Krasnodar Territory]. 028914
A comparative study on the evolution of lipids and starch reserves at the the apex of Taxus baccata L. from *healthy* **plants** and plants parasitized by Taxomyia taxi Inch. 028879
Microflora of the air of poultry quarters and their effect on the *health* and **productivity** of poultry. 024342
Incidence of Salmonella in pig meat in west Bengal and its **public** *health* significance [Food contamination]. 021902
The **public** *health* implications of urban dogs. 024294
The veterinary contribution to **public** *health* practice. 024312
Isolation, characterization and **public** *health* aspects of Vibrio cholerae NAG [Non Agglutinable] isolated from a Danish duck farm. 024458
Caring for others in Pennsylvania **[Rural** *health]*. 021091
Caring for others in Montana **[Rural** *health]*. 021092
Trends in infant mortality, North Carolina: 1940 to 1970 **[Rural** *health]*. 021129
Health **significance** of airborne microorganisms from wastewater treatment processes. I. Summary of investigations. 030930
Health **significance** of airborne microorganisms from wastewater treatment processes. II. Health significance and alternatives for action. 030931

HEARING

A comparison of the role of vision and *hearing* in **lambs** finding their own dams. 023246

HEART

Oxidation of NADPH by submitochondrial particles from **beef** *heart* in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Arrangement of the subunits in solubilized and membrane-bound cytochrome c oxidase from **bovine** *heart*. 023477
Studies on the prevention of checks during drying. 2. Drying schedule for the **boxed** *heart* of Larix wood. 025417
Celery *hearts* almondine. 022299
Interaction of aspartate transaminase from **chicken** *heart* cytosol with analogs of pyridoxal phosphate. 023310
Amino acid transport by aggregates of cultured **chicken** *heart* cells: Effect of insulin. 023476
Relationships between the wave form of ECG [electrocardiogram] and the morphological properties of the *heart* in the **developing** chick embryo. 023575
Blood glucose and tissue glycogen levels in turkey poults with spontaneous round *heart* **disease** and furazolidone-induced cardiomyopathy. 024818
Heart **disease** in dogs, 10 years of diagnostic activity at the Institute of Veterinary Physiology. 024902
Acquired cardiopathies in the dog *[Heart* **diseases]**. 024885
Congenital cardiopathies of the dog *[Heart* **diseases]**. 024889
Diuretics [Drugs used in *heart* **diseases**]. 024891
Pathological morphological variations of electrocardiogram [Dogs, *heart* **diseases,** diagnosis]. 024892
Stabilization of the globular structure of ferricytochrome c by chloride in acidic solvents [**Horse** *heart* cytochrome]. 023303
Difference between endocardial and epicardial utilization of glycogen in the **ischemic** *heart* [Dogs]. 023203
The effect of anoxia on the ventricular fibrillation threshold in the rabbit **isolated** *heart*. 023330
Effects of hypoxic and CO [carbon monoxide] hypoxia on **isolated** *hearts* [Dogs]. 023463
The hydraulic function of intramyocardial fluids subject to the erectile properties of the ventricular wall of **mammalian** *hearts* [Dogs]. 023679
The *heart* of the **matter** [Cattle]. 4. 023106
Growth hormone, cyclic nucleotides and the rapid control of translation in *heart* **muscle** [Rats]. 023280
The role of H1 and H2-receptors in the coronary vascular response to histamine of isolated **perfused** *hearts* of guinea-pigs and rabbits. 023334
Identification of an essential lysine in **porcine** *heart* mitochondrial malate dehydrogenase. 023481
Study on the intensity of sericultural work. I. Characteristics of changes in *heart* **rate** of the farm workers in mounting and mulberry [Morus] harvesting by machine. 021254
Determination of the quantitative relationship between time varying work load and aortic blood flow and *heart* **rate** in the dog. 023549
Antiarrhythmics *[Heart* **rate,** disease control]. 024886
A comparative study in the transmission electron microscope and scanning electron microscope of intracellular structures in **sheep** *heart* muscle cells. 023529
Round *heart* **syndrome** in chickens in Ankara. 024865

HEARTWOODS

Phenolic compounds from the *heartwood* of **Garcinia** mangostana [Mangosteen]. 026754
Some flavanones and flavanonols of the *heartwood* of **Larix** dahurica. 025278
Volatile constituents of Cupressus **stephensonii** *heartwood*. 025473

HEARTWORMS

Heartworm **[Dirofilaria** immitis] disease with pulmonary hypertension [Dogs]. 024723
Undiagnosed dirofilariasis in a Great Dane [Dogs, *heartworms,* **Dirofilaria** immitis]. 024724

HEAT

Mechanism of the transition of actomyosin to beta-structure upon *hot* **air** dehydration [Fishery products]. 022406
Effect of [harvest moisture content and] *heated* **air** drying on soybean oil quality. 022845
Cultural and technological assuring of raw materials for *hot* **air** dryers in higher districts [Field crops]. 027537
Increased effectiveness of *hot* **air** driers by improved automation equipment [East Germany]. 030007
On the behaviour of wood particles in *hot* **air-steam** mixtures—a contribution of the improvement of particle drying in particle board plants. I. 025376
End-wise degradation of hydrocellulose during *hot* **alkali** treatment. 025415
Estimate of annual runoff based on individual elements of the water and *heat* **balances.** 030764
Utilization of the *heat-treated* **bark** as a filler of wood adhesives. 025431
Zootechnical and physiological evaluation of fattening cattle on platforms **[Body** *heat* losses]. 023682
Further evaluation of conventional and *hot-boned* **bovine** longissimus dorsi muscle excised at various conditioning periods [Beef carcasses, tenderness]. 022681
Nutritional and chemical changes in *heated* **casein.** III. A comparison of the alkali-soluble and insoluble fractions. 022596
Combined *heat-irradiation* effect on deoxyribonucleic acid of Pennicillium expansum LK. ex. Thom [Fungi]. 026613
Effect of orange juice parameters on gelation in *hot-pack* **concentrate.** 022940
Cold-disaggregation of the casein micelles in *heated* **concentrated** whey protein-free milk. 022558
Natural **convection** *heat* transfer in covered plant canopies [Electrical system]. 029880
Studies on the improvement of bovine tuberculin. 1. Sensitivity and specificity of PPD's prepared from *low-heated* **culture** filtrate and cytoplasm of Mycobacterium bovis. 024696
Transpiration method for **determining** *heat* resistance of plants. 026565
Temperature distributions [in air-dry and moist soil] under stones submitted to a **diurnal** *heat* wave. 030346
The design of **ducted-air** *heating* systems [Greenhouses]. 029888
Effective *heat* capacities for the freezing and thawing of food. 022499
Electric *heating* of swine houses. 029951
Electric *heating* of hotbeds [Horticultural ezuipment, vegetables]. 030079
Influence of **environmental** *heat* on peripheral plasma progesterone and cortisol during the bovine estrous cycle. 024100
Supplementary heat for piglets [Housing, *heating* **equipment]**. 029948
Heat-technical **examination** of green fodder silos. 029955
A model of the *heat* **exchange** of sheep with the environment. 023626
An attempt (and failure) to correlate duff removal and slash **fire** *heat* [Broadcast burning, Pseudotsuga menziesii, Larix]. 025252
The response of the *heated* **glasshouse** lettuce crop to in situ supplements of low illuminance fluorescent light. 027645
Determination of **glasshouse** *heat* requirements from temperature and wind records. 029874
A rapid screening method for the determination of di-(n-octyl) tin stabilizers in alcoholic beverages, using a *heated* **graphite** atomizer. 022490
Tomatoes on straw bales in *unheated* **greenhouses** [Yields]. 027791
Some aspects of energy balance in **greenhouses** *[Heating]*. 029884
Drying green feed with **"homemade"** *heat?* 023024
Selection of *heating* **installations** for piglet barns. 029947
Steady-state field of insulated slab with internal heat sources *[Heating,* **insulating,** concrete slab floors]. 029971
Successive crops in plastic houses with low **level** of *heating*. 027631
Mycoflora of pecans treated with *heat,* **low** temperatures, or methyl bromide for control of the pecan weevil [Curculio caryae]. 028057
Basic knowledge of freeze drying. *Heat* and **mass** transfer. 022444
Heat and **mass** transfer in freeze drying. 022453
Heat and **mass** transfer in freeze drying of mixed granular particles. 022454
The influence of *hot* **mix** asphalt plants on vegetation with special regard to vapors from asphaltic bitumen. 028361
Method of determining formaldehyde and methanol extracted in poly-condensation of resin in *hot* **pressing** of particle boards. 025395
Heat **radiation** from a glasshouse crop canopy at night. 029878
Reducing the *heat* **requirements** of a glasshouse. 029883
Production of thin particleboard by **resistance** *heating*. 025357
The influence of convective **sensible** *heat* transfer on the greenhouse and the curtain effect. 029890
The effect of *heat* **shock** on differentiation of germinating conidia of Trichoderma viride [Fungi]. 026451
Heating **soils,** soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
The response of pigs to *heat* **stress** at 50 and 100 kilograms. 024895
Development of **subterranean** *heating* and warm water utilization for horticulture. 029901
Supplementary *heat* for piglets [Housing, heating equipment]. 029948
Influence of technological additives and of *heating* **temperature** on some chemical and physical changes in canned meat. I. Alteration of tin and iron content by corrosion of can. 021953
Various schemes of *heating* **tobacco** dryers with thermal generators. 022837
Destructive effect of *heating* against **Toxoplasma** oocysts. 024654
Studies on postharvest treatments for ripening of citrus fruits. I. Lowering of the acidity in Satsuma mandarin orange by *heat* **treatment.** 022869
The effects of plant population, irrigation frequency and cultivars on yield and canning qualities of tomato fruits grown under *hot* **tropical** conditions. 027640
Heat **unit** concept of crop maturity. 026961
Heating **units** in milking sheds, a reasonable thing or an extravagance? 029945
Transformations of fluxes and forces describing the simultaneous transport of water and *heat* in **unsaturated** porous media. 030389
A view to the *calorific* **value** of Indian feeds for poultry. 023039
Hot **water** treatment improves bud-take [pecan scionwood]. 027812
The effect of prewarming, presoaking and *hot* **water** treatment on the growth of Narcissus and control of stem eelworm (Ditylenchus dipsaci (Kuhn) Filipjev). 028311
Effect of *heated* **water** of thermal electric power plants on the oxygen regime of a stream. 030760
Heating and **weight-loss** sequences in maple [Acer saccharum]chip piles and the effect of borax. 025509

HEATHS

The effect of fertilizers on **sclerophyll** *(heath)* vegetation-the problems of revegetation after sand-mining of high dunes. 030524

HECTARES

From 12 to 32 centners of cereals per *hectare* **[Five-Year** Plan, productive capacity]. 021824
Is it possible to obtain yields of 10 *ton/hectare* of **grain?** 027498
Carrot seed production. I. Effects of plant spacing on yields per **plant** and per *hectare*. 027661

HEDERA

Unusually severe granulation of winter stores caused by nectar from ivy, *Hedera* **helix,** in Ireland [Honey]. 022489
Mortal poisoning of chickens by ivy *[Hedera* **helix]** seeds. 024985

HEDGES

Hedges for **Canadian** gardens. 027819

HEIFERS *see* CATTLE

HEIGHT

A progress report on three selection schemes with differing emphases on **canopy** *height* [Sugarcane]. 026292

The experience of operating cotton harvesting machines working at various *height* in the **Pakhtaaral** state farm [Kazakh SSR]. 030071
Effect of ground cover and **pasture** *height* on oviposition and establishment of soldier fly larvae [Inopus rubriceps]. 028778
Phenotypic correlation between panicle exertion and **plant** *height* in rice (Oryza sativa). 026238
Geographic variation in Picea glehnii. I. Differences in **seedling** *height* and bud-opening date among twelve seed sources. 027326
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and *height* of the **tree** of clone I-214 [Populus euramericana]. 025244
Attraction of Scolytus multistriatus to pheromone-baited traps at different *heights* **[Ulmus].** 028930
Interrelationship between *heights* of **young** conifers and indices of needle development in their crowns. 027329

HELENIEAE
A cytogeographic study of Eriophyllum lanatum **(Compositae,** *Helenieae).* 025937
Chromosome numbers in Compositae. XI. *Helenieae* **[Cytotaxonomy].** 025584

HELIANTHEAE
Taxonomic study of Gaillardia **pulchella** *(Asteraceae-Heliantheae).* 025853

HELIANTHUS
The activation of non-phosphorylating electron transport by adenine nucleotides in **Jerusalem-artichoke** *(Helianthus* tuberosus) mitochondria. 027125
Occurrence of extra-ovarian ovules in sunflower **plants** *(Helianthus* annuus L.) treated with chlorflurenol. 026006
Heredity of some less-frequent phenotype manifestations of morphological characters in **sunflower** *(Helianthus* annuus L.). 026243
Implications of longer-time inbreeding and the possibilities of their elimination through SIB-crossing in **sunflower** *(Helianthus* annuus L.). 026244
Nuclear envelope changes related to cell activation in *Helianthus* **tuberosus** L. [Sunflowers]. 026005

HELICOID
Presence of *helicoid* **shaped** elements in the phloem of Vincarosea with Stolbur [Mycoplasma] disease. 028226

HELICOPTERS
KA-26 *helicopter* in agriculture [Pesticide spraying and fertilizer application]. 030165
Assembly of skyline cables with the aid of *helicopters* **[Logging** equipment]. 025435

HELIOTHIS
Detection on nuclear polyhedrosis virus infection in *Heliothis* spp. by **agar** gell double diffusion. 029423
A study on resistance development of the American bollworm *[Heliothis* **armigera]** to some pesticides. 028787
Occurrence of *Heliothis* **armigera** (Hubner) as a serious pest of "arhar" [Pigeonpeas] in Himachal Pradesh. 028844
Bollworm *(Heliothis* sp.) control on rainfed cotton of tinnies tract of Tamil Nadu. 028717
Population fluctuations of Oriental tobacco **budworm** *(Heliothis* assulta G.) in black light-traps and field control studies. 028791
Increases of *Heliothis* spp. In **cotton** under various insecticide treatment regimes. 028733
Suppression of *Heliothis* spp. With **cottons** containing combinations of resistant characters [Heliothis zea, Heliothis virescens]. 028754
Small plot tests of insecticidal sprays for bollworm-budworm **[Heliothis** *zea-Heliothis* virescens] control on cotton. 028713
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of sperm and on mating of the **tobacco** *budworm[Heliothis* virescens]. 028739
Isolation, identification and synthesis of host-seeking stimulants for cardiochiles nigriceps, a parasitoid of tobacco budworm *[Heliothis* **virescens].** 028722
Suppression of Heliothis spp. With cottons containing combinations of resistant characters [Heliothis zea, *Heliothis* **virescens].** 028754
Alternate sources of protein for *Heliothis* **zea** wheat germ diet. 028706
Overwinter survival and spring emergence of the bollworm *[Heliothis* **zea]** in Arkansas [Cotton]. 028735
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia *[Heliothis* **zea,** Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Suppression of Heliothis spp. With cottons containing combinations of resistant characters *[Heliothis* **zea,** Heliothis virescens]. 028754
Simulation of temperature-dependent development in population dynamics models [Anthonomus grandis, Trichoplusia ni, *Heliothis* **zea].** 029288
Small plot tests of insecticidal sprays for bollworm-budworm *[Heliothis* **zea-Heliothis** virescens] control on cotton. 028713

HELIOTROPIUM
Genus Crotalaria. XIX. Preparation of local anaesthetic **agents** *[Heliotropium].* 026608
Acetyllasiocarpine, an alkaloid from *Heliotropium* **europaeum[Weed,** toxic to sheep]. 026384

HELIUM
Concentration of *helium* in **artesian** water. 030980

HELIX
Thermal susceptibility of Salmonella in the Moroccan food snail, *Helix* **aspersa.** 021916
Unusually severe granulation of winter stores caused by nectar from ivy, **Hedera** *helix,* in Ireland [Honey]. 022489
Mortal poisoning of chickens by ivy **[Hedera** *helix]* seeds. 024985

HELMINTHIASIS
Immunological signs in [livestock] *helminthiasis.* 2. **Hypersensibility** reactions, consequences and applications of immunological signs. 024704

HELMINTHOSPORIUM
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, *Helminthosporium* **carbonum,** leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Light-stimulated toxin production in *Helminthosporium* **maydis,** race T, cultures [Southern corn leaf blight]. 027919
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, *Helminthosporium* **maydis,** leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Fungistatic action of soil and survival of the conidium of *Helminthosporium* **sativum** Pamm., King et Bakke [Crown and root rot of cereals]. 028011
Fungal toxins as determinants of hosts specificity *[Helminthosporium* **victoriae,** blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970

HELMINTHS
Helminths of **domestic** equids. 024669
On *helminth* **fauna** of horses in Turkmenistan. 024579

HEMAGGLUTINATION
Distribution of the *hemagglutination* **inhibition** antibodies against porcine parvovirus among swine. 024686
On the preparation of the component B lectin from the *hemagglutinin* of **Lens** culinaris [Lentils]. 027068
Hemagglutinating **properties** of CELO [chicken-embryo-lethal-orphan], an oncogenic avian adenovirus. 024437
Boar seminal zinc-precipitable **protein** and the *haemagglutinin.* 024115
Preparation of Newcastle disease **virus** *hemagglutination-inhibition* test antigen [Chickens]. 024446

HEMANTHUS
Fine structure dynamics of the prometaphase spindle [Haemanthus katherinae, *Haemanthus* **albiflos].** 026031
Liliifloris notulae. 1. Characteristics of *Haemanthus* **(Amaryllidaceae)** [New taxa]. 025618
Fine structure dynamics of the prometaphase spindle *[Haemanthus* **katherinae,** Haemanthus albiflos]. 026031

HEMATINIC
Evaluation of an amino acid-iron **chelate** *hematinic* [Swine, feeding]. 023891

HEMATOBIA
Trojan horse *[Haematobia* **irritans** pests of cattle]. 028990
Evaluation of methoprene formulations for fly control [Musca autumnalis, *Haematobia* **irritans].** 029026
The horn fly *[Haematobia* **irritans]:** methoprene in drinking water of cattle for control. 029028
Influence of other insects on production of horn fly, *Haematobia* **irritans** (Diptera: Muscidae), from cattle dung in south central British Columbia. 029282

HEMATOCRIT
Hematocrit of the **fetal** rabbit placenta. 023215
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. Sodium, potassium, chlorides, **urea** and *hematocrit.* 024355

HEMATOLOGY
Influence of treatment for natural nematode invasion in geese upon selected values of *hematological* and **biochemical** examinations. 024758
Normal *hematological* parameters in cattle of the Central Belgian Blue, West Flemish Red and East Flemish Red Pied breeds. 023239
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood **[Veterinary** *hematology].* 024333

HEMATURIA
Fundamental studies on the etiology of *haematuria* **vesicalis** bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003

HEME
Effects by *heme,* **insulin,** and serum albumin on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480

HEMEROBIIDAE
The immature stages of Drepanacra binocula (Neuroptera: *Hemerobiidae).* with **notes** on the relationships of the genus. 029610

HEMIACETAL
Effects of *hemiacetal* of **chloral** and starch on the performance of beef steers [Cattle metabolisms]. 023454

HEMILEIA
Present situation of coffee **rust** *(Hemileia* vastatrix] in Latin America. 028088
Anivax, a new Esso product for controlling coffee rust *[Hemileia* **vastatrix].** 028091

HEMIPTERA
Life histories of three species of **Corixidae** *(Hemiptera:* Heteroptera) from western Colorado [Callicorixa audeni, Cenocorixa bifida, Arctocorisa lawsoni]. 029205
A new species of Ischnoclopius Stal [peruensis], with notes on the systematic position of the **genus** *(Hemiptera:* Reduviidae). 029650
The pine bark bug, Aradus cinnamomeus Panz. *(Hemiptera,* **Heteroptera).** A contribution to the knowledge of its life cycle and significance in forestry. 028955
Surface molting behavior and its possible respiratory significance for a gaint water bug Abedus herberti **Hidalgo** *(Hemiptera:* Belostomatidae). 029469
Recognition of seven Uhler manuscript names, with notes on thirteen other species used by Heidemann (1892) *(Hemiptera:* **Miridae).** 029708
Biology and nymphal stages of Deraeocoris **nebulosus** *(Hemiptera:* Miridae), a predator of arthropod pests on ornamentals. 028814
Effects of developmental photoperiod on adult morphology in Euschistus tristigmus tristigmus (Say) *(Hemiptera:* **Pentatomidae).** 029218
Revision of the Orthungini from the Malagasy **Republic** *(Hemiptera,* Reduviidae, Emesinae) [New taxa]. 029537
The life history of Craspeduchus pulchellus, a lygaeid new to the United **States** *(Hemiptera:* Lygaeidae) [found on Corchorus siliquosus]. 029359
Physical gill efficiency and winter dormancy in the pigmy backswimmer, Neoplea **striola** *(Hemiptera:* Pleidae). 029221
Subculturing of cells from the embryo of the green rice leafhopper, Nephotettix cincticeps **Uhler** *(Hemiptera,* Deltocephalidae). 029229

HEMLOCKS
Field and laboratory techniques for **evaluating** *hemlock* sawfly [Neodiprion tsugae] infestations [Tsuga]. 028961
Sexual reproduction of **mountain** *hemlock* (Tsuga mertensiana). 025181
Control of a looper, Lambdina atbasaria atbasaria, on *hemlock* **[Tsuga** canadensis] with three chemical insecticides [Carbaryl, trichlorphon, acephate]. 028944

HEMOCYTES
Culture of embryonic cells and *hemocytes* of **cockroaches** [Periplaneta americana] of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. 029351
Viral release and membrane acquisition by budding through the nuclear envelope of *hemocytes* of the **gypsy** moth, Porthetria dispar. 029431
Haemocytes in **larval** and pupal ovarioles of the queen honeybee [Apis mellifera]. 029818
Haemocytic **reactions** in Lepidoptera pupae. Intensity of the reaction at differents regions of the pupae body of Pieris brassicae. 029267
The *haemocytes* of **themosquito** Aedes albopictus and their comparison with larval cells cultured in vitro. 029013

HEMODYNAMICS
Effects of carotid hypotension on **aortic** *hemodynamics* in the unanesthetized dog. 023207
Hemodynamic **effects** of aerosol propellants. I. Cardiac depression in the dog. 024998
Hemodynamic **effects** of aerosol propellants. II. Pulmonary circulation in the dog. 024999
Effects of histamine, vasopressin, and angiotensin II on **hepatosplanchnic** *hemodynamics,* liver function, and hepatic metabolism in cats. 023183
Total cardiopulmonary bypass in the rabbit. Techniques and action of pulsatile perfusion pressure frequency on the *hemodynamic* **parameters.** 023559
Changes in **renal** *hemodynamics* and sodium excretion during saline infusion in lambs. 023180
Direct **renal** *hemodynamic* effects of clonidine [Dogs]. 023257

HEMOGLOBINS
Complexes of *haemoglobin* and **hem-protein** in sera of mammals. II. Immune electrophoretic researches [Swine, cattle]. 024463
Response of chickens with genetically different *hemoglobin* **types** to infection with Eimeria tenella and mechanical bleeding [Chickens]. 024448

HEMOLYMPHS
Juvenile hormone titre in the *haemolymph* of **adults** of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Juvenile hormone titers in *hemolymph* during **late** larval development of the tobacco hornworm, Manduca sexta (L.). 029253
Some problems of homeostasis of *haemolymph* **metabolites** in the locust [Locusta migratoria]. 029418
Bursicon release and activity in *haemolymph* during **metamorphosis** of the cockroach, Leucophaea maderae. 029406
Effect of food qualities on protein pattern of the *haemolymph* of a **millipede** Orthomorpha gracilis. 029331
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some *hemolymph* **proteins** in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373

HEMOLYSIS
Serological and *hemolytic* **characteristics** of Vibrio parahaemolyticus from marine sources [Oysters]. 021930

HEMONCHUS
Anthelmintic effect of 'Trodax' (M & B) in sheep *[Haemonchus* **contortus]**. 024560
Field studies on inhibition of *Haemonchus* **contortus** in sheep. 024662
Inhibited development in *Haemonchus* **contortus** [Lambs]. 024663

HEMORRHAGE
Studies on *hemorrhagic* **diathesis** of experimental bovine bracken [Pteridium] poisoning. I. Detection of circulating anticoagulants. 024979
Studies on *hemorrhagic* **diathesis** of experimental bovine bracken [Pteridium] poisoning. II. Heparin-like substance level in blood. 024980
Hemorrhagic **enteritis** of turkeys. Antiserum—efficacy, preparation, and use. 024438
A biochemical and serological study of strains of Pasteurella multocida associated with *haemorrhagic* **septicaemia** in cattle and buffaloes in Sri Lanka. 024499
Neutralisation of the pH [hydrogen-ion concentration] of the *haemorrhagic* **septicemae** alum precipitated vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567
The role of the infectious bursal agent and several avian adenoviruses in the *hemorrhagic-aplastic-anemia* **syndrome** and gangrenous dermatitis [Broilers]. 024451
Specific release of bovine neurophysin II during arterial or **venous** *haemorrhage* in the cow. 023521

HEMP
Female sterility in *hemp* (**Cannabis** sativa L.). 026143
Study of hybrid vigor in simple and complex intervarietal **hybrids** of *hemp*. 026312
The determination of the level of heterosis of **single-sex** *hemp* hybrids by the index method. 026267
Selection of *hemp* **varieties** in breeding for heterosis. 026146

HENDERSONULA
Hendersonula **toruloidea** associated with a serious wilt disease of shade trees [Ficus benghalensis] in the Sudan. 028068

HENS *see* CHICKENS

HEPARIN
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] poisoning. II. *Heparin-like* **substance** level in blood. 024980

HEPATECTOMY
Stimulation of albumin synthesis by amino acids following **partial** *hepatectomy* in the rat. 022009

HEPATIC
Hepatic **aminopyrine** N-demethylase, acetanilide hydroxylase and lipid peroxidation in young growing rats during the treatment of insecticides. 024944
The effects of glucagon on the *hepatic* **arterial** vasculature of the dog: an inhibition of the effects of vasoconstrictor agents. 023332
Plasma carbohydrate, insulin and *hepatic* **enzyme** levels in rats refed sucrose. 022184
The *hepatic* **flora** of Alberta: a phytogeographical analysis. 025666
A dog model of **fulminant** *hepatic* failure produced by paracetamol administration. 023315
Regulation of *hepatic* **gluconeogenesis** in the guinea pig by fatty acids and ammonia. 023487
The effects of choline and inositol on *hepatic* **lipid** metabolism and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. 024829
Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, liver function, and *hepatic* **metabolism** in cats. 023183
Effects of glucagon and insulin on **net** *hepatic* metabolism of glucose precursors in sheep. 023208
Hepatic **nicrosomal** enzyme induction in rats fed varietal cauliflower leaves. 022138
Quantitative aspects of insulin secretion and its *hepatic* and **renal** removal in sheep. 023225

HEPATICAE
Hepaticae and **Anthrocerotae** collected by Dr. Harold E. Moore, Jr. in New Caledonia, Seychelles, Mauritius and Reunion in 1972. 025546
Austral *Hepaticae*. III. Stolonophora, a new genus of Geocalycaceae. 025694
Polyploidy and enucleation in mature leaves of Barbilophozia **barbata** *[Hepaticae]*. 026099
Lophozia incisa: a curious reaction to **desiccation** *[Hepaticae]*. 026428
Recent literature on **hepatics** . 72. *[Hepaticae]*. 025547
Leafy *Hepaticae* of Montana and phytogeographic relationships to neighboring states and provinces. 029545

HEPATOMAS
Hepatoma, **host** liver, and normal rat liver phospholipids as affected by diet. 022152

HEPIALIDAE
Evaluation of Bacillus thuringiensis Berliner and insecticides in the control of larvae of Maculella spp. (Lepidoptera, *Hepialidae)* in **pastures.** 028702

HEPTACHLOR
Heptachlor and **dieldrin** [insecticides] disappearance from a field soil measured by annual residue determinations. 029109

HEPTANONE
Correlation between amounts of *2-heptanone* and **iso-amyl** acetate in honeybees [Apis mellifera] and their aggressive behaviour. 029809

HERACLEUM
Components of Umbelliferae. VII. Two new coumarins of *Heracleum* **granatnse** Boiss. Elench. 026362
Coumarins from Heracleum wallichii and *Heracleum* **nepalense.** 026730

HERBACEOUS
The digestion of the lipids of processed red **clover** *herbage* by sheep. 023779
Rutin and other polyphenols of the *herbage* of **Coriandrum** sativum. 026496
Marginal sulphur supplies for **grassland** *herbage* in southeast Scotland [Nutritional deficiencies]. 028380
Apple latent viruses: transmission from *herbaceous* **host** tissue to Malus indicator plants and distribution in apple budwood. 028169
Herbage **intake** and grazing behaviour in ewes of four breeds at different physiological states. 023696
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on **spring** *herbage* yields under irrigated and dry conditions [Lolium multiflorum]. 027459
Control of *herbaceous* **weeds** in Blackwood Valley pine [Pinus radiata] plantations. 028582

HERBICIDES
Synthesis and *herbicidal* **activity** of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485
Field screening of new chemicals for *herbicidal* **activity,** 1975 [Economic crops]. 028530
Herbicide **antidotes**—a new concept in weed control. 028557
In forest plantings: sprayer calibration for *herbicide* **application** [Equipment. 030060
Aquatic *herbicide* use—administrative aspects. 028546
A screening technique for evaluation of brushweed [Ulex europaeus, Cytisus scoparius, Lupinus **arboreus**] *herbicides*. 028545
Sorghum growth as affected by annual applications of **atrazine** *[Herbicides]*. 028622
Differential intraspecific responses of soybean cultivars to **bentazon** *[Herbicides]*. 028614
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a **biological** *herbicide[to* control Aeschynomene virginica in rice]. 028495
Effectiveness of different *herbicides* against **broad-leaved** dock [Rumex obtusifolius]. 028497
Use of *herbicides* on **cabbage.** 028597
Herbicides **check** weeds in largest citrus tract. 028507
Chemical *herbicides* carefully applied. 028531
Use of **combined** *herbicides* on a MCPA basis in cereals. 028592
Factors affecting *herbicide* **control** of barley grass [Hordeum]—pot trials. 028556
Cytokinin effects induced in purple nutsedge [Cyperus rotundus] by perfluidone *[Herbicides,* **control].** 028613
Herbicides on **cotton.** 028629
1976 field **crops** *herbicide* manual for dealers and custom applicators. 028483
Influence of soil moisture on tolerance of corn to **cyanazine** *[Herbicides]*. 028619
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with **dalapon)** *[Herbicides]*. 028498
Onion sowing **depth** and *herbicides*. 028560
Relative phytotoxicity of some picloram *[herbicide]* **derivatives** [Sunflowers]. 028338
Movement of *herbicide* **effects** within gorse [Ulex] plants. 028559
Herbicide **evaluation** studies with sweetcorn (Zea mays L.) in Hawaii. 028583
Principles of the most effective use of *herbicides* in **flax.** 028590
Vegetation changes on an old rice field **following** *herbicide* treatment. 028586
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the *herbicide* or **fungicide** or both. 030479
The effect of soil moisture on the uptake of *herbicide* by **gorse** [Ulex europaeus]. 028573
Application of *herbicides* in **growing** tomatoes and bush redpeppers. 028529
Leaf variation due to 2, 4-D [(2,4-dichlorophenoxy) acetic acid, *herbicides]* **influence** in Trigonella foenum-graecum L. 028541
Should grapevine shoots be cut off after **injury** from *herbicides?* 028535
The development of agricltural antibiotics in Japan [Plant regulators, *herbicides,* **insecticides,** fungicides]. 026596
Herbicides in the **landscape** and garden. 1. 028522
Use of Mixi-Tok S *[herbicide]* in **maize** against barnyard grass. 028593
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added *herbicide* or **mildew** fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Minimal *herbicide* treatments on the establishment of four turfgrasses. 028489
Effect of *[herbicide]* **molecules** with hormonal properties on phenylalanine ammonia lyase activity [in tobacco and wheat]. 028537
Effects of irrigation on the *[herbicide]* **movement** of Treflan and Lasso in containers. 030724
Effects of *herbicides* or **mowing** on musk thistle [Carduus nutans] seed production. 028601
New *herbicides* derived from an antibiotic, anisomycin. 028519
VEL 5026—a **new** *herbicide* for non-selective weed control. 028576
New *herbicides* for weed eradication in meadow clover. 028589
Response of Potamogeton pectinatus L. To **norflurazon** *[Herbicides]*. 028492
Informative **note** on *herbicides*. 028585
Silvicultural use of *herbicides* in **Pacific** Northwest forests. 028588
Effect of plant residue on *herbicide* **performance** in no-tillage corn. 028616
Using **phenoxy** *herbicides* effectively [Economic plants]. 028517
Preliminary evaluation of pre- and **post-emergence** *herbicides* in 'Maku' Lotus [pedunculatus]. 028564
Applications of **post-emergence** *herbicides* in pea and dwarf bean crops. 028584
The in vitro sensitivity of some species of Chlorophyceae [Algae] to a selected **range** of *herbicides*. 028604
The tolerance of oil seed **rape** to *herbicides*. 027039
Dowco 290 [3,6-dichloropicolinic acid]—a new growth **regulator** *herbicide* [Cirsium arvense, Senecio jacobaea]. 028551
Determination of paraquat *[herbicide]* **residues** in food crops by gas chromatography. 028500
Diquat (in plants) *[Herbicide* **residues].** 029122
Evaluation: 2,3,7,8-tetrachlorodibenzo-p-dioxin *[Herbicide* **residues].** 029130
Bioassay techniques for the determination of *herbicide* **residues** [in soil]. 029156
The evaluation of the teratogenic effects of 2,4,5-trichlorophenoxyacetic acid *[herbicide]* in the **rhesus** monkey. 029099
Uptake of picloram *[herbicide]* by **roots** of alfalfa and barley. 026934
Crop **rotation** and *herbicides*. 028627
Control of green sagewort [Artemisia campestris] in the Nebraska **sandhills** *[Herbicides]*. 028610
Uptake, distribution, and degradation of simazine by black walnut [Juglans nigra] and yellow-poplar [Liriodendron tulipifera] **seedlings** *[Herbicides]*. 028624
Penoxalin, a new **selective** *herbicide* for weed control in peas, beans and other crops. 028562
Characterization of bound residues of [the **selective** *herbicide]* nitrofen in cereal grains. 029105
Characterization of bound residues of [the **selective** *herbicide]* nitrofen in rice and wheat straw. 029106
Plans for a **shielded** *herbicide* applicator for Christmas trees and nursery stock. 030114
Persistence and movement of simazine *[herbicide]* in **soil.** 029140
Shoot zone uptake of **soil-applied** *herbicides* in some legume species [Broadbeans, scarlet runner beans, vetch]. 028603
Factors affecting the selectivity of dinitramine *[herbicide]* in **soybeans.** 028494
Promotion of sorghum callus growth by the **s-triazine** *herbicides*. 027028
Studies on the use of *herbicides* in **sugarbeet** growing as combined with several agrotechnical measures for better crop emergence. 028493
Cycloate and phenmedipham as complementary treatments in **sugarbeets** *[Herbicides]*. 028612
Herbicides on **sugarbeets.** 028630
Comparison of different soil leaching **techniques** with four *herbicides*. 028608
Analysis of pesticides by chemical derivatization. I. A new procedure for the formation of 2-chloroethyl esters of **ten** *herbicidal* acids. 029115
Effects of *herbicide* **treatments** on the establishment of 'Tifway' bermudagrass [Cynodon]. 028617
The *herbicides* **Treflan** [trifluralin] and Lasso in winter rape. 028591
A study of sorption phenomena between two **triazine** *herbicides* and humic acids. 028599
Analysis of some carbamate and **urea** *herbicides* in foods by gas-liquid chromatography after alkylation [Residues]. 021906
Aftereffects of *herbicides* [**Vegetables,** potatoes, yields, weed control]. 028524

A method for determining the **volatility** of *herbicides.* 028607
The effect of *herbicides* on **white** lupins for seed production. 028572
The effects of dipotassium endothall *[herbicides]* on the **zooplankton** and water quality of a small pond. 029181

HERBS
Studies on the quality of **Chinese** *herb* "Zexie" and the alisols content of Alisma orientale. I. 026663
Herb **garden** in a historic setting [Hamar Museum]. 025564
Spice and *herb* **roulette** (Game). 022243

HERDING
Antebellum **cattle** *herding* in the Indian territory. 023115

HERDS
Observations on a *herd* of **beef** cattle maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. 024739
The Canadian conformation system: *herd* **book** participation [Dairy breed]. 024173
On the relation between milk production and fertility in Kibbutz dairy **cattle** *herds.* 024085
Culling the **cow** *herd* [Management]. 021329
Feed consumption and feeding performance as exemplified by the *herd* of **cows** of the Liquid Fertilizer Experimental Station [Austria]. 023702
Model calculatons on genetic differences between herds due to using different groups of bulls and different selection rates for **cows** within *herds.* 024286
What is a DHI **[Dairy** *Herd* Improvement] record? 021234
Aspects of herd wastage in New Zealand **dairy** *herds* [Farm management]. 021259
Sampling milk and reporting information for DHIA **[Dairy** *Herd* Improvement Association] Tests. 022556
Rearing **dairy** *herd* replacements. 023088
USDA-DHIA **[Dairy** *Herd* Improvement Association] cow index list, spring 1975 [Performance]. 024031
The role of management in **dairy** *herd* fertility. 024084
Geographical and *herd* **distribution** of equine infectious anemia in Texas (1974). 024722
Dairy **goat** *herd* health problems. 024319
Model calculatons on genetic differences between *herds* due to using different **groups** of bulls and different selection rates for cows within herds. 024286
Breeding of **Hereford** *herd* on the Sonskii state farm. 024258
Measures for controlling virus diseases of cattle in **large** *herds* [in Hungary]. 024646
Australia's cattle problem: low prices, **larger** *herds* [Demand]. 021522
The number of daily milkings and relevant aspects of *herd* **management.** 023121
Examination of problem **mastitis** *herds* in Ohio [Dairy cattle]. 024466
Anaplasmosis: treatment and management options available to the veterinarian and *herd* **owner** during an acute outbreak [Cattle]. 024465
Enterotoxaemia Escherichia coli infection in swine: *herd* **resistance** as related to environment. 024577
Conception rates in **suckler** *herds.* [Cattle]. 023972
The application of the combination of tylosin and sulphadimidine in **swine** *herds.* III. Testing under field conditions. 024382
Program of elimination of Aujeszky's disease from **swine** *herds* in Czechoslovakia. 024761
Further studies on the occurrence of antibodies against C-type virus specific antigen in sera of cattle from leucosis-infected, suspicious and **unsuspicious** *herds.* 024797
Aspects of *herd* **wastage** in New Zealand dairy herds [Farm management]. 021259

HEREDITY
Forest history—an **American** *heritage.* 025047
Cases of congenital deformation of the extremities in Sychevka **calves** *[Heredity].* 024259
Hereditability of **caryopse** weight in spring barley hybrids. 026167
Statistics, *heredity* and **correlation** between some features of the circulatory system in female German landrace swine. I. Means and environmental effects. 024254
Heritability **estimates** for milk yield by daughter-dam-regression and problems related to it [Cattle]. 024283
Heritability and **genetic** advance for root and fruit characters in radish. 026184
Studies on *heritability* and **genetics** correlation among economic traits in domestic fowl. 024206
The *heritability* of pH1 **[hydrogen-ion** concentration] in longissimus dorsi muscle in Landrace and Large White pigs. 024153
Heritability of **internal** egg quality traits in White Leghorn birds [Chickens]. 024079
A *heritage* **inverted:** our flora endangered [Conservation program]. 025567
Heredity of some **less-frequent** phenotype manifestations of morphological characters in sunflower (Helianthus annuus L.). 026243
Evaluation of swine according to their own productivity and the results of the controlled feeding of their **polysiblings** *[Heredity].* 024264
Synthesis of versicolorin A by a mutant strain of [the mold] Aspergillus parasiticus [Fungi] deficient in aflatoxin **production** *[Heritability].* 026187
Studies on the genetics of trotting performance in Dutch trotters. I. The *heritability* of **trotting** performance [Horses]. 024020
Annual changes in *heritability* **values** of young sugi [Cryptomeria] seedlings. 025202
Heritable **variation** in a polypeptide subunit of the major storage protein of the bean, Phaseolus vulgaris L. 027272

HEREFORDS *see* CATTLE

HERITAGE *see* HEREDITY

HERNIA
Surgical repair of **diaphragmatic** *hernia* in a horse. 024856

HERPES
Feline viral rhinotracheitis in Japan—isolation of *herpes* **type** virus and pathologic picture [Cats]. 024630
Influence of double infections on the induction of thymidine kinase by UV **[ultraviolet]-irradiated** *Herpes* simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423

HERPESVIRUSES
Effect of *anti-herpesvirus* **drugs** on human and bovine lymphoid function in vitro. 024573
Equine *herpesvirus-induced* alterations in nuclear RNA and DNA polymerase activities. 024763
Transcription of **equine** *herpesvirus* type 1: evidence for classes of transcripts differing in abundance. 024768
Experimental herpetic *[Herpesvirus* **hominis]** infection in rabbits combined with immunodepression. 024405

HERRING
The effect of smoking and drying on the lipids of West **African** *herring* (Sardinella spp.). 022504
Hydrogen peroxide bleaching of **marinated** *herring.* 022501

HESPERIIDAE
Known distribution of the European skipper, Thymelicus lineola (Lepidoptera: *Hesperiidae),* in **Quebec.** 029552
The first record of Rachelia extrusa (C. And R. Felder) (Lepidoptera: *Hesperiidae:* **Trapezitinae)** in Australia. 029609

HETEROBLASTIC
Heteroblastic **condition** and two types of sclereids in Adinandra dumosa Jack. 026049

HETEROCAMPA
Determination of larval instars of *Heterocampa* **manteo** and reduction of larval head capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918

HETEROCERA
Diagnosis of three new species of **Lepidoptera** *Heterocera* from East Africa [Imbrasia (Nudaurelia) zaodeae, Phiala bergeri, Macropoliana afarorum]. 029623

HETEROCHROMATIN
Puffs in the *heterochromatin* in **chromosomes** of Rhynchosciara. 029307
The **constitutive** *heterochromatin* in Dichroplus silveiraguidoi (Acrididae, Orthoptera). 029309
Giemsa banding and *heterochromatin* **distribution** in Ornithogalum [virens]. 026004
Heterogeneity of *heterochromatin* in **plants:** comparison of Hy- and C-bands in Vicia faba [Broadbeans]. 026233

HETEROCOCCUS
A revision of the **genus** *Heterococcus* Ferris with a diagnosis of Brevennia Goux (Homoptera: Coccoidea: Pseudococcidae) [New taxa]. 029498

HETEROCYCLES
Studies on the synthesis of *heterocyclic* **compounds.** CDXXXIV. A novel total synthesis of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. 026634
Identification of a **nitrogenous** *heterocyclic* compound responsible for a potato-like off-flavour in Gruyere de Comte cheese. 021939

HETERODERA
Invasion and development of the cereal **cyst-nematode** *Heterodera* avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. 027898
Studies on the influence of soil moisture conditions on soybean cyst nematodes *[Heterodera* **glycines].** 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Control of potato cyst-nematodes, Heterodera rostochiensis and *Heterodera* **pallida,** in sandy, peaty and silt loam soils by oximecarbamate and organophosphate nematicides. 028327
Distribution of species of potato cyst nematodes *[Heterodera* **rostochiensis]** in South America. 028401
Effects of potato cyst nematodes on potato plants. IV. Effects of fertilisers and *Heterodera* **rostochiensis** on the yield of two susceptible varieties. 028403
Harmful potato nematode *[Heterodera* **rostochiensis].** 028470
Effects of potato cyst nematodes *[Heterodera* **rostochiensis]on** potato plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. 028402

HETEROGENEITY
A new electrophoresis method and its application for revealing the *heterogeneity* of the **chromatographically** homogeneous fractions of soybean proteins. 022841
The *heterogeneity* of the **germination** of wheat ear grains. 026921
Heterogeneity of **heterochromatin** in plants: comparison of Hy- and C-bands in Vicia faba [Broadbeans]. 026233
Heterogeneity of **human** milk beta(1-4)-D-galactosyltransferase. 022083

HETEROGONY
Heterogonic **cycle** of Plagiotrochus australis (Mayr, 1882), new combination. 029443
Heterostyly and **pollen** flow in Hypericum aegypticum (Guttiferae). 025950
S-gene action and the significance of characters in the *heterostylous* **syndrome** [Plants]. 026159

HETEROKARYONS
Escape from mating-type incompatibility in bisexual (A + a)**Neurospora** *heterokaryons* [Fungi]. 026120
Nuclear fusion in **intergeneric** *heterokaryons.* A note [Peas]. 026111

HETEROLOGY
Transfer of proteins across membranes. II. Reconstitution of functional rough microsomes from *heterologous* **components** [Dog pancreas]. 023500

HETEROMERA
Note on Oedemeridae and Lagriidae of the Ponziane Islands **(Coleoptera,** *Heteromera).* 029592

HETEROMETRUS
Physiological analysis of through-conducting systems in the ventral nerve cord of the scorpions, *Heterometrus* **fulvipes** C. Koch. 029257

HETERONYCHUS
Effect of two soil types on insecticide activity against black beetle *[Heteronychus* **arator]** adults [Maize]. 028779
Insecticide screening trials against black beetle *[Heteronychus* **arator,** pastures, maize]. 028781
Resistance of lucerne to black beetle *[Heteronychus* **arator].** 028783
The effect of two pathogens [Adelina, RNA virus] on a black beetle *[Heteronychus* **arator]** population in Kikuyu [Pennisetum clandestinum] pasture. 028784

HETEROPHYLLUM
Flavonoids of **Cirsium** *heterophyllum.* 026475

HETEROPTERA
Relative toxicity of some important insecticides to the adults of lacewing bur Urentius echinus **Distant** *(Heteroptera:* Tingidae) [Eggplant pests]. 028846
A study of variability and size allometry during postembryonal development of Notonecta maculata Fabricius **(Insecta,** *Heteroptera).* 029236
The pine bark bug, Aradus cinnamomeus Panz. (Hemiptera, *Heteroptera).* A contribution to the **knowledge** of its life cycle and significance in forestry. 028955
Anomalous **Miridae** *(Heteroptera)* from Australasia [Pseudopalaucoris, Mertilanidea, Termatomiris, new taxa]. 029612
Effect of the new insecticide PDD 60-40 on nymphs and adults of the cabbage bug Eurydema oleraceum L. *(Heteroptera,* **Pentatomidae).** 028898
Jugalpada—a new genus of Halyini **(Pentatomidae,** *Heteroptera).* 029614
The life-history of Anoplocnemis curvipes F. (Coreinea, Coreidae, *Heteroptera)* a **pest** of fresh cowpea pods. 027207
Life histories of three species of Corixidae (Hemiptera: *Heteroptera)* from **western** Colorado [Callicorixa audeni, Cenocorixa bifida, Arctocorisa lawsoni]. 029205

HETEROSIDES
Plants from Madagascar. XV. Some Malagasy Chlaenaceae: Leptolaena pauciflora Baker, Leptolaena cavaco var. tampoketsensis and Sarcolaena multiflora Dup. Thou.: presence of **myricetol** *heterosides.* 026784

HETEROSIS
Some problems of male sterility and the effects of *heterosis* in **alfalfa.** 026178
Selection of hemp varieties in **breeding** for *heterosis.* 026146
Heterosis in **garden** pea (Pisum sativum var. Hortense). 026185
Selection of chickens for a local broilor strain and the effect of *heterosis* on **growth.** 024189
The correlation between mitochondrial complementation and *heterosis* in **hybrid** corn. 026127
Heterosis **hybrids** and seeds. 026208
Heterosis and **management** effects in postweaning growth of Angus, Hereford and reciprocal cross cattle. 024090
Heterosis and **management** effects in carcass characters of Angus, Hereford and reciprocal cross cattle. 024091
Photochemical activity of isolated corn chloroplasts in **relation** to *heterosis.* 026219

The determination of the level of *heterosis* of **single-sex** hemp hybrids by the index method. 026267

HETEROSTYLOUS *see* HETEROGONY

HETEROZYGOTES
Isolation and haploidization of *heterozygous* **diploid** strains in a species of Humicola [Soil fungi]. 026201
Genic balance, *heterozygosity* and **inheritance** of size of testes in diploid drone honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
Permanent **translocation** *heterozygosity* in Viscum hildebrandtii Engl. and Viscum engleri Tiegh. (Viscaceae) in East Africa. 026128

HEXACHLORIDE
Persistence of gamma-BHC [lindane] and beta-BHC **[benzene** *hexachloride]* in Indian rice soils under flooded conditions. 028770
Ecochemistry of BHC **[benzene** *hexachloride]* in Czechoslovakia. 029168
Alpha- and gamma-BHC **[benzene** *hexachloride]* in Tokyo rainwater (December 1968 to November 1969) [Environmental pollution]. 030868

HEXACHLOROBENZENE
Hexachlorobenzene. IV. **Accumulation** and elimination of HCB in pigs after oral dosing [Fungicide, residues]. 024983
Contamination of cereals by polychlorinated **biphenyls** and *hexachlorobenzene.* 021891
Chromatographic methods for the anaysis of *hexachlorobenzene* **[fungicide]** and possible metabolites in monkey fecal samples [Human toxicology]. 029117
Hexachlorobenzene **[Residues].** 029133

HEXAPLOIDS
Cladistic analysis of the diploid and *hexaploid* **oats** (Avena, Poaceae) using numerical techniques. 025658
Cladistic analysis of the diploid and *hexaploid* **oats** (Avena, Poaceae) using numerical techniques. 026106
Accumulation of stored nutrients in the grains of *hexaploid* **triticale.** 026137
Genetic analysis of time to ear emergence in *hexaploid* **wheat,** Triticum aestivum, using intervarietal chromosome substitution lines. 026122

HEXOKINASES
Yeast *hexokinase* A: succinylation and properties of the active subunit. 026557

HIBERNATION
Boll weevil [cotton pests, control]: survival in *hibernation* **cages** and in surface woods trash in central Texas. 028748

HIBISCUS
Time-course of 14C [carbon isotope]-sucrose translocation by successive leaves of *Hibiscus* **esculentus** L. (Okra). 027130

HICKORY
Blacklight traps to **control** *hickory* shuckworm [Laspeyresia caryana] on pecan. 028883
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an *oak-hickory* [**Quercus,** Carya] forest in Missouri. 029287
Hickory **shuckworm** [Laspeyresia caryana]: biology, life history, and control [Pecans]. 028884

HIDES
Quality of *hides* and **skins** of young Hereford and Simmental hybrids [Properties, composition]. 022720

HIGHLANDS
Toward a natural delineation of the area known as the Southern **Appalachian** *Highlands* [Ecology]. 025891
Cactus [Cactaceae] flowers in the **Argentine** *highlands.* 025719
New pteridophyte records in the *Highlands* **Biological** Station area, southern Appalachians [Pteridophyta]. 025673

HIGHWAYS
Lead in soil and vegetation along a New Zealand **state** *highway* with low traffic volume. 030869

HILLS
Intensive finishing of **Blackface** *Hill* lambs—current outlook [Returns]. 021389
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and wildlife habitat in the *hilly* **Coastal** Plain of Alabama. 025179
Behaviour of *hill* **country** sheep breeds during farming routines. 024177
An analysis of accumulation and decomposition of litter fall in *hill* **evergreen** forest Doi-Pui Chiengmai. 030327
Non-reproductive castes and their development in Nasutitermes **exitiosus** *(Hill)* (Isoptera). 029379
The vegetation of the **Kajasowka** *hill* and the problem of itsprotection. 025892
Agriculture in *hill* and **mountain** areas [Bibliography]. 021080
Forage crop producing in *hill* and **mountain** areas. Foundations for the organization of cultivation. 021274
Mechanization of *hillside* **operations** in agriculture (review). 030128
Contributions to topological study of chestnut [Castanea] stands on the *hill* **piedmonts** of Baia Mare. 025226
Water flow through a multilayer **stratified** *hillside.* 030797
Swan *Hill* fruitless olive [Olea europaea, varieties]. 027793
Tara *Hills* high country survey 1973 [Sheep, cattle, pastures]. 023156
The Bluffands: Pleistocene pathway into the **Tunica** *Hills* [Paleobotany]. 025587

HINGES
Glued plywood **two** *hinged* type arch panel roofing. 1. 025384

HIP
Can the serum activity of alkaline phosphatase (AP) be used in diagnosing **canine** *hip* dysplasia? 024875
Recommendations on **canine** *hip* dysplasia: diagnosis, treatment and genetic selection. 024900

HIPPEASTRUM
Hippeastrum **hybridum** Hort. Annual cycle under conditions ofthe open ground of Ashkhabad. 027185

HISPINAE
A monograph of the genera of the old world Hispinae (Coleoptera: Chrysomelidae: *Hispinae)* [New taxa]. 029559

HISTAMINE
The effects of histamine and some *histamine-like* **agonists** on blood pressure in the cat. 023331
Effects of metiamide on distribution of **14C[carbon** *isotope]-histamine* in aortic smooth muscle [Rabbits]. 023261
Effect of amodiaquine on **gastric** *histamine* methyltransferase and on histamine-stimulated gastric secretion [Dogs, swine]. 023323
The effects of *histamine* and some **histamine-like** agonists on blood pressure in the cat. 023331
The role of H1 and H2-receptors in the coronary vascular response to *histamine* of **isolated** perfused hearts of guinea-pigs and rabbits. 023334
Effects of temperature on the responses to noradrenaline, isoprenaline and *histamine* on **isolated** rabbit mesenteric artery. 023408
Rabbit aortic endothelial and **medial** *histamine* synthesis following short-term chloesterol feeding. 023404
The in vivo metabolism of [14C [carbon isotope]] *histamine* during **pentagastrin-stimulated** acid secretion in the cat. 023555
The influence of temperature increase, elevation of extracellular H+[hydrogen]-concentration, and of triiodothyronine on the actions of **phenylephrine,** *histamine,.* 023266
Histamine **receptors** in peripheral vascular beds in the cat. 023325
Histamine **receptors** in the vasculature of the rabbit ear. 023594
Effects of *histamine,* **vasopressin,** and angiotensin II on hepatosplanchnic hemodynamics, liver function, and hepatic metabolism in cats. 023183

HISTERIDAE
Contribution to the knowledge of the *Histeridae* from **South** India (Coleoptera) [New taxa]. 029674

HISTIDINE
Levels of *histidine* **derivatives** in breast muscle of proteindepleted and repleted adult cockerels [During malnutrition]. 023602

HISTOCHEMISTRY
Some *histochemical* **aspects** of the carrageenin induced inflammation [Rats]. 024814
Studies on the secretion of maize root-cap slime. III. *Histochemical* and **autoradiographic** localization of incroporated fucose. 027037
The corpus luteum periodicum in the bitch: *Histochemical* and **biochemical** investigations during different phases of the cycle. 023422
Histochemical and **histoenzymological** investigations of the vertebral chondrogenesis in the chick embryo. 023240
Histochemical **investigation** on the kidney of vertebrates. VI. The avian kidney. 023267
The development of the guinea pig gallbladder epithelial cells. I. Light microscopical and *carbohydrate-histochemical* **investigations.** 023423
Histochemical **localization** of trehalase activity in dorsal flight muscle of the flesh fly Sarcophaga bullata with lightand electron microscopy. 029403
Correlation between ultrastructure and *histochemistry* of **mammalian** intrafusal muscle fibres [Cats, rabbits, rats]. 023548
Histochemistry of the **metanephors** in the golden hamster. II. The adult ureter. 023421
Histochemical and **palatability** properties of muscle longissimus from stress-resistant and stress-susceptible porcine animals. 023455

HISTOCOMPATIBILITY
Histocompatibility **antigens** and genetic control of the immune response in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514

HISTOLOGY
Effect of shortening during cooking on the tenderness and *histology* of **beef.** 022686
The anatomy, *histology* and **biogenic** compounds of the carotid body of the pig (Sus scrofa). 023178
Histological **development** of the thymic and intestinal lymphoid tissue of the horse. 023563
Histology of the **developmental** process of the femoral diaphysis and its pathological significance in broiler chickens [Bone diseases]. 024874
The morphology of spontaneous pulmonary adenomatosis in sheep. I. *Histological* **findings** on the tumour stroma. 024936
Drawing in **plant** *histology.* 026037
Histological **responses** of Japanese red pine [Pinus densiflora] needles exposed to sulfur dioxide [Injury]. 025037
Investigations on improving the fertility of aged sows. 2. *Histological* **structure** on the endometrium at different stages of the cycle. 024026
Studies on the *histological* **structures** of the small intestine of Indian buffaloes (Bos bubalis). 023432
Histological **studies** on the development of the microsporidian Thelohania pristiphorae in larvae of Malacosoma disstria and Malacosoma americanum. 028947
Investigations on improving the fertility of aged sows. 3. *Histological* **study** of puerperal involution and regenerative processes occuring in the endometrium of sows during normal-lactation and very early weaning. 024027

HISTOMONAS
Transmission of *Histomonas* **meleagridis** to domestic fowl by means of earthworms recovered from pheasant yard soil. 024452
Using the HmL1 strain of *Histomonas* **meleagridis** in evaluating chemotherapeutants in chicks. 024453

HISTOPATHOLOGY
Metabolic and *histopathologic* **changes** in arteriosclerotic versus nonarteriosclerotic rats following isoproterenol-induced myocardial infarction with superimposed diabetes. 022162
Histopathology of **infection** of bean with Pythium myriotylumcompared with infection with other Pythium species. 027918
Histopathological **study** on six cases of calf leukosis. 024877

HISTORY
The *life-history* of **Anoplocnemis** curvipes F. (Coreinea, Coreidae, Heteroptera) a pest of fresh cowpea pods. 027207
Oriental hoax blossoms into southern belle **[Camellia,** *history].* 027677
Crusade for conservation. The **centennial** *history* of The American Forestry Association. 025009
Wild grape of Nuristan and its relation to the *history* of **civilization** of mankind. 027709
Lameness in cattle: a survey of 102 cases including *history,* **clinical** and radiographic findings, prognosis and treatment. 024301
Benchmarks show pioneering aspects of farmer **cooperatives** *[History].* 021301
Wisconsin cranberry lore **[Cultural** *history].* 027586
The magnificent quick-change artist [Tulipa, *history,* **culture].** 027834
The golden age of Gambrinus. A brief *history* of **early** brewing in Syracuse. 022401
Early *history,* content and evaluation of the [German] Federal forest law. 025086
Art and bees [Apis mellifera, *history,* **Europe].** 029858
Forest *history*—an American heritage. 025047
Hickory shuckworm [Laspeyresia caryana]: biology, **life** *history,* and control [Pecans]. 028884
Quantitative aspects of Simulium virgatum Coq. And Simulium species **life** *history* in a southern Oklahoma stream. 029222
The **life** *history* of Craspeduchus pulchellus, a lygaeid new to the United States (Hemiptera: Lygaeidae) [found on Corchorus siliquosus]. 029359
Natural *history* of Veromessor pergandei. II. Behavior (Hymenoptera: Formicidae). 029467
Palpigrades from the Geneva Museum of **Natural** *History* [Eukoenenia, new taxa]. 029679
Studies on scorpions belonging to or deposited in the Geneva Museum of **Natural** *History.* I. Contribution to a better knowledge of the species and subspecies of scorpions of the genus Euscorpius Thorell, 1876 (family Chactidae) [New taxa]. 029686
Study on the systematics and geonemy of Xantholinus. XI. A new species at the Geneva Museum of **Natural** *History:* Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, Staphylinidae). 47th contribution to the knowledge of Staphylinidae. 029687
4-H'ers outride Paul Revere—by 484 miles! [United **States** *history].* 021097
From city to farm: urban wastes and the American farmer [Fertilizers **utilization,** *history].* 030413

HIVES
Estimation of tutin and hyenanchin in honey. 3. Toxicity ofhoney samples from **test** *hives,* 1968-74 [Scolypopa australis, Coriaria arborea]. 021952

HOGGETS *see* SHEEP

HOGS *see* **SWINE**

HOLES
Collembola from **wood** *holes* in Styria (Austria) [New taxa]. 029673

HOLIDAYS
Holiday **cooking** doesn't have to be a pain & a panic. 022355

HOLLY
Hollies **[Ilex]** and companion plants at "Ecko Hollow". 025553
Hollies **[Ilex]** for Christmas and the landscape [Culture, varieties]. 027691

HOLOCELLULOSE
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from ion exchange chromatography [Picea **abies,** *holocellulose].* 025492

HOLOTRICHIA
Two **new** *Holotrichia* [heterotincta, Holotrichia semitomentosa] from Ceylon (Coleoptera, Melolonthidae). 029578

HOLSTEIN *see* **CATTLE**

HOME
Those old cotton fields down *home* **[Agricultural** Stabilization and Conservation Service]. 021790
Back *home* on the range: calf, grass-fed beef. 022309
Making **cheese** at *home.* 022085
Protecting shade trees during *home* **construction** [Injuries]. 028369
Roses for the *home* **[Culture].** 027756
Studies from the Birmingham **Dogs** *Home.* 1. The problem of resettling stray and unwanted animals. 2. The effect of distemper vaccination upon disease incidence. 024618
Drainage around your *home.* 030654
Spotlighting professionalism **[Extension** *home* economists]. 022229
What audit means to the Dickson County, Tennessee, County Supervisor, **Farmers** *Home* Administration. 021322
Emergency livestock "line of credit" guarantees **[Farmers** *Home* Administration, rural loans. 021421
Farmers *Home* Administration credit for American Indians. 021422
'Onit'—to lengthen the life of cut **flowers** in the *home.* 022902
Home **freezing** of fruits, vegetables, meats, and other foods. 022072
Caladiums [Caladium bicolor] in the *home* **garden** [Culture]. 027727
Fresh fruits and vegetables from the *home* **garden** [Culture]. 027804
Fresh fruits and vegetables from the *home* **garden** [Culture]. 027805
Trickle irrigation: guidelines for use in the *home* **garden.** 030718
Diseases of vegetable crops in *home* **gardens.** 028349
Approaches to *home* **landscape** design. 83. Seashore contrasts. 027700
Steps into spending *[Home* **money** management]. 022228
A program for total parenteral **nutrition** at *home.* 021996
Studies om inorganic matters in feedstuffs. II. Contents' of calcium and phosphorus in *home* **produced** feedstuffs. 023068
A rural **second** *home* [Non-resident landowners]. 021189
Problem: how to update a sanitation program; Solution: a *home* **study** course. 022337
Wine growing for the *home* **vineyardist.** 027688

HOMEMADE
Drying green feed with *"homemade"* **heat?** 023024

HOMEOSTASIS
Some problems of *homeostasis* of **haemolymph** metabolites in the locust [Locusta migratoria]. 029418

HOMOGENEITY
A new electrophoresis method and its application for revealing the heterogeneity of the **chromatographically** *homogeneous* fractions of soybean proteins. 022841
Biosynthesis of chlorophyll b in a *homogenate* of **green** leaves in the dark and under light [Barley]. 026947
Cyclic AMP [adenosine monophosphate] phosphodiesterase activity in Fasciola **hepatica** (L.) *homogenates.* 024407
Purification and physical properties of *homogeneous* **initiation** factor MP from rabbit reticulocytes. 023485
Metabolism of 3beta-hydroxy-5alpha- and 3beta-hydroxy-5betapregnan-20-one by **leaf** *homogenates.* 026748
On calculating the stresses and deformations in *non-homogeneous* **material** of woody plants. 025399
Production of flavor volatiles in enzyme and substrate enriched **peanut** *homogenates.* 022785
Distribution of enzymatic browning of young **shoot** *homogenates* [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. 025585

HOMOLOGY
Homology in **amino-terminal** sequence of precursors to pancreatic secretory proteins [Dogs]. 023622
Nuclear magnetic resonance spectroscopic determination of alpha- and **beta-acid** *homolog* composition in hops. 022483
Discrimination of *homologous* **chromosomes** of maize with Giemsa staining. 026158
Proteinuria in neonatal piglets after oral and intravenous administration of *homologous* **colostrum** and serum proteins. 023449
Homologies in the **DNA** of species of Iris L. 027169
Effect of glucagon on myoelectrical and mechanical activity recorded from the **isolated** *homologous* perfused canine stomach. 023258
Variations in the levels of follicle-stimulating hormone in the circulation of birds, a determined by *homologous* **radioimmunoassay.** 023523
Studies on sperm antigenicity. IV. Lymphocyte cytotoxicity in cell-mediated response to *homologous* **spermatozoa** [Guinea pigs]. 024517

HOMOPTERA
Key to the European species of Brachycaudus, subgenus **Acaudus** *(Homoptera,* Aphidoidea), with redescriptions and a note on Brachycaudus persicae. 029702
The horii-group of Fiorinia associated with rhododendrons in East **Asia** *(Homoptera:* Coccoidea: Diaspididae) [New taxa]. 029599
Failure of Bemisia tabaci to breed on cassava plants in **Brazil** *(Homoptera:* Aleyrodidae). 028828
The song of the cicada Lembeja **brunneosa** *(Homoptera:* Cicadidae) with notes on the behaviour and distribution of the species. 029396
A population study of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) *(Homoptera:* **Cercopidae)** in Mexican Pangola pastures. 028797
Camellia mining scale Duplaspidiotus claviger (Cockerell) **(Diaspididae:** *Homoptera).* 028811
Suturaspis archangelskayae (Lndgr.) *(Homoptera,* **Diaspidoidea),** a biophyte of ash tree [Fraxinus] in Turkmenistan. 028943
Polymorphism and sensitivity to a juvenile hormone analogue in the potato aphid, Macrosiphum **euphorbiae** *(Homoptera:* Aphididae). 028838
Larval forms of some Central European **Euscelini** *(Homoptera,* Auchenorrhyncha). 029713
Descriptions of first and second instars of Praecocaspis diversa **Ferris** *(Homoptera:* Diaspididae). 029216
A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia **Goux** *(Homoptera:* Coccoidea: Pseudococcidae) [New taxa]. 029498
Note on the incidence and control of the citrus white fly, Dialeurodes citri Ashmead (Aleurodidae: *Homoptera)* in **Himachal** Pradesh. 028860
Tiaja insula, a new megophthalmine leafhopper from the Santa Barbara Channel **Islands** *(Homoptera:* Cicadellidae). 029649
Key to the eight species of coexisting Erythroneura **leafhoppers** *(Homoptera:* Cicadellidae) on American sycamore [Platanus occidentalis]. 028820
A strain producing abundant brachypterous adults in Nilaparvata **lugens** *(Homoptera:* Delphacidae) [Rice pests]. 028721
Defense in two pre-social membracids [Tree insects, biological control] *(Homoptera:* **Membracidae)** [Platycotis vittata, Umbonia crassicornis]. 028227
Relative growth in some species of **Membracidae** *(Homoptera:* Insecta). 029558
Coccoidea collected by the Hokkaido University Expedition to Nepal Himalaya, 1968 *(Homoptera)* **[New** taxa]. 029598
A comparison of the reproductive patterns of apterous and alate virginoparous Acyrthosiphon **pisum** *(Homoptera:* Aphididae) [Broadbean pests]. 028715
Elimination of ovarian diapause in pear psylla, Psylla **pyricola** *(Homoptera:* Psyllidae), in the laboratory. 028816
Cixiidae (Fulgoroidea: *Homoptera)* from **Reunion** Island [Oliarus, Aselgeoides, Brixia, new taxa]. 029613
The genus Myzodium with the description of Myzodium knowltoni, new **species** *(Homoptera:* Aphididae). 029660
Visual and olfactory responses in orientation to plants by the greenhouse whitefly, Trialeurodes **vaporariorum** *(Homoptera:* Aleyrodidae). 028840
Spectral specific responses in the visual behavior of the greenhouse whitefly, Trialeurodes **vaporariorum** *(Homoptera:* Aleyrodidae). 029336

HOMOSERINE
Threonine-sensitive *homoserine* dehydrogenase of Serratia marcescens [Bacteria]. 026606

HOMOZYGOTES
New results on anther culture of wheat (triticum aestivum L.) in vitro: conditions of regeneration of haploid plantletsand production of *homozygous* **lines.** 026919
Observations of additional divisions in pollen grains of *homozygous* **wheat** plants (Triticum aestivum L.) obtained by androgenesis in vitro. 026920

HONEY
A rapid method for determining the diastase **activity** in *honey.* 022485
Some evidence of bees and *honey* in **ancient** Egypt. 029752
Subvention of sugar for *honey* **bees** as a European marketing problem. 021634
Measuring the concentration of spermatozoa from *honey* **bees** [Apis mellifera] with spectrophotometry. 029727
Comparative action of systemic antibiotics against **Clitocybe** *mellea,* parasite of spermatophytes. 027913
Studies on the *honey-sac* **contents** and pollen loads of honeybees [Apis mellifera]. 2. Honey-sac contents of foraging bees. 029829
Amino acid analysis of *honeys* from **eleven** countries. 022486
Determination of glucose and **fructose** in *honey.* 022488
A survey of some South Island **honeydew** *honeys.* 022520
Unusually severe granulation of winter stores caused by nectar from ivy, Hedera helix, in **Ireland** *[Honey].* 022489
Basic considerations on **melezitose** *honey* production. 029765
Calcium, magnesium, potassium, and sodium in *honey* and in **nectar** secretion. 022487
Yeasts of **normal** *honeys* from various sources [Food contamination]. 021837
U.S. *Honey* **prices** firm despite larger imports. 021566
A new movable equipment to **remove** *honey.* 022441
Changes in enzyme activity during the **storage** of *honey.* 022404
Problems in *honey* **supply** for bees in southern Germany [Apis mellifera]. 029719
Swarming *honey* bees [Apis mellifera] guided by pheromones. 029728
Estimation of tutin and hyenanchin in *honey.* 3. **Toxicity** ofhoney samples from test hives, 1968-74 [Scolypopa australis, Coriaria arborea]. 021952
An evaluation of various characteristics in three lines of New **Zealand** *honey* bees. 029846

HONEYBEES *see* **BEES**

HONEYDEW
A few words on the melizitoze producer [Cinara pilicornis] on the spruce *[Honeydew,* **apiculture].** 029248
Colonization of ergot [Claviceps purpurea] *honeydew* by **Fusarium** heterosporum. 028050
A survey of some South **Island** *honeydew* honeys. 022520
Is there an apparent rhytmn of Lachnidae yearly occurrence, especially in *honeydew* **producers** on Abies? 029247

HONEYSUCKLE
Response of **Japanese** *honeysuckle* [Lonicera japonica] to fertilization. 030485

HOPS
A new Dow treatment is efficient in the control of *hops* **arabis** mosaic virus. 028215
A new rapid spectrophotometric determination of *hop* **bitterness** in beer and wort, including the EBU-determination. 022537
Nuclear magnetic resonance spectroscopic determination of alpha- and beta-acid homolog **composition** in *hops.* 022483
Green manuring in *hop* **gardens.** 030523
Hygienic regulation of phosphamide application in the culture of *hops* **[Insect** pest control]. 028908
Analysis of *hops* and **pellets** from hop preparations. Simplification of extraction method. 022398
On the problem of accelerated **reproduction** of *hops.* 027865
World *hops* crop dips [Production]. 021645

HORDEUM
Changes in proteins, phosphatase and ribonuclease activity in **barley** *(Hordeum* sativum) seeds during germination. 026957
Effects of early and late infectious of BYDV (barley yellow dwarf virus) on cultivars of **barley** *(Hordeum* vulgare) with and without the Yd2 gene. 028230
Effect of ethofumesate on barley grass *[Hordeum]* and other **pasture** species [Control]. 028553
Factors affecting herbicide control of barley grass *[Hordeum]*—**pot** trials. 028556

HORIZONTAL
Study of the vertical transmission and *horizontal* **transmission** of Drosophila melanogaster and Drosophila immigrans Picornavirus. 029225

HORMONES
Effects of an angiotensin inhibitor on adrenocortical response to angiotensin II, ACTH, and K **[Adrenocorticotropic** *hormone,* potassium, dogs]. 023206
ACTH **[adrenocorticotropic** *hormone]* and the induction of parturition in sheep. 023543
A simple procedure for partial purification of silkworm [Bombyx mori] **brain** *hormone.* 029716
Tissue-steroid interactions in **canine** *hormone-dependent* tumours [Dogs]. 024918
Hormonal **changes** around bovine luteolysis [Dairy cattle]. 024199
Hormones **concentrations** in the plasma of pigs kept under different management systems. 023252
Hormonal **control** of luteal 20alpha-hydroxy steroid dehydrogenase and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the pregnant rat. 023281
Ecological adjustment of *hormone* **controlled** processes in Philosamia cynthia Dru. 029501
Further characterization of the silkworm [Bombyx mori] **diapause** *hormone* A. 029838

Follicle-stimulating *hormone* in the Japanese quail: variation in plasma levels during photo periodically induced testicular growth and maturation. 023516
Variations in the levels of **follicle-stimulating** *hormone* in the circulation of birds, a determined by homologous radioimmunoassay. 023523
Evidence for a species-specific cell **fusion** *hormone* in red algae [Griffithsia]. 026818
Clinical response of diary cows with ovarian cysts to GnRH **[gonadotropin-releasing** *hormone].* 024857
Hormonal responses of dairy cows with ovarian cysts to GnRH **[gonadotropin-releasing** *hormone].* 024858
Fertility of estrus synchronized dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, **gonadotropin-releasing** *hormone].* 023984
Experiences with a synthetic **gonadotropin-releasing** *hormone* in sterility [Cattle]. 024229
Growth *hormone,* cyclic nucleotides and the rapid control of translation in heart muscle [Rats]. 023280
Renal responses of the hypophysectomized rat to infusions of bovine **growth** *hormone.* 023520
Episodic secretion of **growth** *hormone* in steers and bulls: an anaylsis of frequency and magnitude of secretory spikes occurring in a 24 hour period. 023630
Lipid mobilization in rabbits. I. Dexamethasone, TSH [thyroid stimulating hormone], and GH [**growth** *hormone].* 023632
Maternal malnutrition and neonatal **growth** *hormone* [Cattle]. 023634
The lipolytic activity of two porcine **growth** *hormone* preparations in pigs. 023645
Ovulation and endocrine response after LH-RH [luteinizing **hormone-releasing** *hormone]* in domestic animals [Cattle]. 023993
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing **hormone-releasing** *hormone/* follicle stimulating hormone-releasing hormone]. 024095
Activity of **juvenile** *hormone* analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. 028644
Polymorphism and sensitivity to a **juvenile** *hormone* analogue in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Imaginal differentiation of the spermiduct in Acridids: effects of **juvenile** *hormone* [Locusta migratoria, Schistocerca gregaria]. 029197
Biochemical aspects of **juvenile** *hormone* action in insects. 029202
Dynamics of **juvenile** *hormone* action in larvae of the tobacco hornworm, Manduca sexta (L.). 029252
Juvenile *hormone* titers in hemolymph during late larval development of the tobacco hornworm, Manduca sexta (L.). 029253
Influence of a **juvenile** *hormone* analogue on the ovarian function in allatectomised females of Labidura riparia (Insecta, Dermaptera). 029269
Juvenile *hormone* titre in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Approaches to the biosynthesis of the [Hyalophora] cecropiaC [carbon] 18 **juvenile** *hormone.* 029405
Phothoracotropic, chromatotropic and juvenilizing actions of **juvenile** *hormone-III* on Schistocerca gregaria Forsk. 029452
Effect of synthetic **juvenile** *hormone* analogues on the silkworm Bombyx mori L. 029865
The effect of **luteineizing** *hormone* on chicken testis and pineal gland uptake of 32P [phosphorus isotope]. 024070
A comparison of variations in plasma **luteinizing** *hormone* concentrations in male and female domestic chickens (Gallus domesticus) from hatch to sexual maturity. 023512
How is **luteinizing** *hormone* released in response to electrochemical stimulation of the hypothalamus? [Rats]. 023517
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH **[luteinizing** *hormone]* release and evidence for neural regulation of spontaneous LH rhythms. 023599
Interactions between ovarian steroids or progestagens and LH **[luteinizing** *hormone]* release [Domestic animals]. 023988
Ovulation and endocrine response after LH-RH **[luteinizing** *hormone-releasing* hormone] in domestic animals [Cattle]. 023993
Relationship between the binding constants of specific testosterone binding plasma proteins and peripheral plasma concentrations of testosterone and LH **[luteinizing** *hormone].* 024052
Luteinizing *hormone,* progesterone and the morphological development of normal and superovulated corpora lutea in sheep. 024056
Serum LH **[luteinizing** *hormone]* concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle stimulating hormone-releasing hormone]. 024095
Testis growth and plasma LH **[luteinizing** *hormone]* concentration following hemicastration and its relation with female prolificacy in sheep. 024128
Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH **[luteinizing** *hormone]* or prostaglandin E2 [Rats]. 024135
Effect of energy on LH **[luteinizing** *hormone]* response to consecutive Gn-RH [gonadotrophin releasing hormone] injections [cattle]. 024194
Differential effect of *hormones* on **macromolecular** synthesis and mitosis in chick embryo cells. 023493
Hormone **mediated** integration of seedling physiology [Barley]. 026882
Insect **morphogenetic** *hormones* and developmental mechanisms in the nematode, Nematospiroides dubius. 029311
Moulting *hormone* and cuticle synthesis by epidermal cells of in vitro cultured cockroach embryos [Blabera cranifer]. 029271
[A-21-D-asparagine] sheep insulin, a diastereoisomer of the **natural** *hormone.* 023504
Effect of **parathyroid** *hormone* secretion on sodium reabsorption by the proximal tubule [Dogs]. 023205
The response of chick embryos to exogenous **parathyroid** *hormone.* 023418
Radioimmunoassay of bovine **parathyroid** *hormone.* 024878
Perspectives in the *hormone* **physiology** of tropical crops. Responses to water stress. 026315
Oxymercuration-demercuration and hydroboration-oxidation of endo-tricyclo[5.2.2.02,6]undeca-3,8-diene. Stereospecific oxymercuration leading to the 4-exo-hydroxy derivative *[Plant-hormonal* **properties].** 026652
Effect of [herbicide] molecules with *hormonal* **properties** on phenylalanine ammonia lyase activity [in tobacco and wheat]. 028537
Hormonal **regulation** of ovalbumin synthesis in the chick oviduct. 023641
Occurrence of some enzymes in starchy endosperm and *hormonal* **regulation** of isoperoxidase in aleurone of wheat. 027026
Hormonal **regulation** of tuberization in Dahlia. 027078
Relationships of protein and mineral intake to L-ascorbic acid metabolism, including considerations of some directly **related** *hormones.* 022042
Ovulation control in cattle with progesterone intravaginal device (PRID) and gonadotropin **releasing** *hormone* (GnRH). 023994
Effect of energy on LH [luteinizing hormone] response to consecutive Gn-RH [gonadotrophin **releasing** *hormone]* injections [cattle]. 024194
Estrus and ovulation with prostaglandin F2alpha, norgestamet and gonadotrophin **releasing** *hormone* [Cattle]. 024197
Macro- and microscopic examinations on the effect of a synthetic gonadotrophin **releasing** *hormone* (GnRH) in cattle with cystic ovaries. 024274
Hormonal **responses** of dairy cows with ovarian cysts to GnRH [gonadotropin-releasing hormone]. 024858
Evidence for a **sex** *hormone* in Dictyostelium discoideum [fungi]. 026192
Sex *hormones* in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to "male sterility" of the A mating type). 026314
Ovalbumin mRNA and ovalbumin DNA and the molecular biology of **steroid** *hormone* action [Chicks]. 023197
Changes of the plasma **steroid** *hormones* in pre- and postpartum stage in cows. 024136
Lipid mobilization in rabbits. I. Dexamethasone, TSH [thyroid **stimulating** *hormone],* and GH [growth hormone]. 023632
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle **stimulating** *hormone-releasing* hormone]. 024095
Relationship between *hormone* **titres** and RNA and protein syntheses when the change to the pupal programme occurs in the silkworm, Bombyx mori. 029839
Determination of the moment of ovulation in ewe and sow. Influence of environment and *hormonal* **treatment.** 023982

HORNS

Investigatons on taxonomy, host plants and distribution of the *long-horned* **beetles** (Cerambycidae-Coleoptera) in Aegean Region. 028682
The *horn* **fly** [Haematobia irritans]: methoprene in drinking water of cattle for control. 029028
Influence of other insects on production of *horn* **fly,** Haematobia irritans (Diptera: Muscidae), from cattle dung in south central British Columbia. 029282

HORNWORMS

Dynamics of juvenile hormone action in larvae of the **tobacco** *hornworm,* Manduca sexta (L.). 029252
Juvenile hormone titers in hemolymph during late larval development of the **tobacco** *hornworm,* Manduca sexta (L.). 029253
The biology of the black larval mutant of the **tobacco** *hornworm,* Manduca sexta. 029420

HORSEPOWER

The 1014 Allrad 105 *horsepower* **Kramer** two row tractor. 030054

HORSERADISH

The isozymic similarity of indoleacetic acid oxidase to peroxidase in **birch** and *horseradish.* 027338
Evidence for direct projections between the ponto-mesencephalic tegmentum and the visual cortex in the cat as revealed by the *horseradish* **peroxidase** technique. 023350
Evidence for direct projections from the hypothalamus to the lateral geniculate and occipital cortex of the cat as demonstrated by *horseradish* **peroxidase** technique. 023409
Proton magnetic resonance studies of peroxidases from **turnip** and *horseradish.* 027139

HORSES

Post-operative management of *equine* **abdominal** patients [Horses]. 024328
Suprapubic paramedian laparotomy for *equine* **abdominal** cryptorchidism. 024916
The diagnostic and prognostic value of lactate determinations in *horses* with **acute** abdominal crisis. 024332
Metabolic management of the *horse* with an **acute** abdominal crisis. 024869
Monitoring and evaluating the physiological changes in the *horse* with **acute** abdominal disease. 024870
Functional anatomy and nervous control of the *equine* **alimentary** tract [Horses]. 023562
Coronet joint **ankylosis** in the *horse.* 024909
Cambendazole paste as an **anthelmintic** in *horses.* 024775
Concerning the toxicity of parbendazole (Helmatac 30) to horses and *ponies* **[Anthelmintics].** 024732
Surgical approaches to certain long bones of the *horse* for **application** of tension band plates. 024320
The genome of *equine* **arteritis** virus. 024767
Radiographic examination of the *equine* **back** case [Horses]. 024329
Contributions to topological study of chestnut [Castanea] stands on the hill piedmonts of **Baia** *Mare.* 025226
Horse **barn** capacity 88 horses. 029960
Supportive nutritional care for *foals* **born** to iso-immunized mares. 024907
Radiography of the alimentary **canal** of the *horse.* 024330
Horse barn **capacity** 88 *horses.* 029960
Squamous cell **carcinoma** in *horses.* 024855
Radiographic examination of the equine back **case** *[Horses].* 024329
Aural squamous cell carcinoma in the *horse:* a **case** report. 024834
Chloramphenicol plasma levels in *horses,* **cattle** and sheep after oral and intramuscular administration. 023678
Estimation of the concentration of urea in the blood of *horses,* **cattle,** goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
Equine piroplasmosis: leukocytic response to Babesia equi (Laveran, 1901) infection in **Chile** *[Horses].* 024475
Attempts at treatment of metritis in the *mare* by **chloramine** T solution. 2. Streptococcal metritis. 024702
Indications for surgical intervention in *equine* **colic** [Horses]. 024326
Surgical techniques in *equine* **colic** [Horses]. 024331
Ethological and ecological system of livestock husbandry *[Horses,* **cows,** care]. 023098
Experiences with a diagnostic test for *equine* **cryptorchidism.** 024835
Nutrition and bone **development** in *horses.* 023754
Treatment of **diarrhea** in the *horse.* 024871
A few current topics in connection with the nutritional **disorders** of *horses.* 024896
Surgical repair of a fistula of the urethral **diverticulum** in a *horse.* 024932
Equine **endoscopy** [of the upper respiratory track]. 024380
A practitioner's experience with **epiphysitis** in *foals.* 024924
Oxibendazole: critical anthelmintic trials in **equids** *[Horses].* 024754
Some potential uses of prostaglandins in domestic animals [for controlling estrus in cows, *mares* and **ewes].** 024043
Effects of some drugs on the physiological changes during **exercise** in the *horse.* 024309
Release of prostaglandin F-2alpha during **foaling** in *mares.* 024126
Calf blood extract in treatment of *equine* **foot** lesions. 024982
Influence of etorphine acepromazine and diprenorphine on respiratory **function** in *ponies.* 023326
Neuroleptanalgesia and cardiovascular **function** in the *horse.* 023390
The identification of *equine* **genital** strains of Klebsiella and Enterobacter species. 024512
Bacterial flora of the nasal mucosa of the *horse.* II. **Gram-positive** bacteria. 024712
A case of true dorsal flexion of the **head** in a *foal.* 024318
Stabilization of the globular structure of ferricytochrome c by chloride in acidic solvents *[Horse* **heart** cytochrome]. 023303
Surgical repair of diaphragmatic **hernia** in a *horse.* 024856
Transcription of *equine* **herpesvirus** type 1: evidence for classes of transcripts differing in abundance. 024768
Equine **herpesvirus-induced** alterations in nuclear RNA and DNA polymerase activities. 024763
Tolerance of *ponies* to **high** levels of dietary copper [Toxiceffects]. 024967
Pathological infection of *Thoroughbred* **horses** with Gastrodiscus aegyptiacus. 024616
Clinical aspects of passive **immunity** in *foals.* 024614
Epitheliogenesis **imperfecta** in a *foal.* 024853
Brucellosis among *horses* in **India.** A serological study. 024546
The pathogenesis and control of strongyle [Strongylus vulgaris] **infection** in the *horse.* 024617
Equine infectious anemia: a new model of persistent virus **infection** *[Horses].* 024842

An outbreak of *equine* **infectious** anemia in the Himeji Race Track and its control. 024484
Purification and study of the antigens of *equine* **infectious** anemia virus produced in vivo or in cell culture. 024495
Transmission of *equine* **infectious** anemia virus by Tabanus fuscicostatus. 024587
Equine **infectious** anemia—current research findings. 024721
Geographical and herd distribution of *equine* **infectious** anemia in Texas (1974). 024722
Equine **infectious** anemia: a new model of persistent virus infection [Horses]. 024842
Sero-epidemiological study on *equine* **influenza** in Japan. 024594
Temporary colostomy in the management of rectal tears in the *horse* **[Injuries].** 024974
Causes of colic and types requiring surgical **intervention** *[Horses].* 024325
Carbohydrate digestion and absorption in the equine small **intestine** *[Horses].* 023560
Presumptive quaternary ammonium **intoxication** in a *pony.* 024965
Supportive nutritional care for foals born to **iso-immunized** *mares.* 024907
Phenotypic relationships between relatives in the Neudamm **Karakul** *stud* [Sheep]. 023974
Occurrence of the eyeworm, Thelazia lacrymalis, in *horses* in **Kentucky.** 024610
An exploratory ultrasonic study on quantitative foetal **kinesis** in the *horse.* 023247
Activation of *[horse]* **liver** alcohol dehydrogenases by imidoesters generated in solution. 023295
The use of synthetic analogues of prostaglandins for inducing **luteolysis** in *mares.* 024012
The effect of exercise on calcium **metabolism** in *horses.* 023617
Using body size to understand the structural design of animals: quadrupedal locomotion **[Mice,** *horses].* 023475
Alterations of serum progesterone level in pregnant and **nonpregnant** *mares.* 023565
Dietary value of cubes in *equine* **nutrition** [Horses]. 023775
Recent developments in *equine* **nutrition** [Horses]. 023824
Variations on a few sanguineous biochemical parameters after death in *horses* and **oxen.** I. Sodium, potassium, chlorides, urea and hematocrit. 024355
Evaluation of mebendazole in paste formulation in the *horse* **[Parasite** control]. 024778
Rupture of the caecum at **parturition** *[Horses].* 024973
Effect of antiparasitic medication in *ponies* on **pasture.** 024583
Post-operative management of equine abdominal **patients** *[Horses].* 024328
Studies on the genetics of trotting performance in Dutch trotters. I. The heritability of trotting **performance** *[Horses].* 024020
Intestinal absorption of calcium and **phosphorus** by *horses.* 023564
Digestive **physiology** of the *horse.* 023561
Equine **piroplasmosis:** leukocytic response to Babesia equi (Laveran, 1901) infection in Chile [Horses]. 024475
"Popperdrop" *[stud-blotch,* **plant** disease]. 028294
Concerning the toxicity of parbendazole (Helmatac 30) to *horses* and **ponies** [Anthelmintics]. 024732
Designed exclusively for an *equine* **practice** [Surgery]. 024376
Effects of intravaginal flurogestone acetate and PMS **[pregnant** *mares* serum] administration on the reproductive performance of ewes in a cool environment. 024196
Synchronization and stimulation of estrus in sheep with Megestrol acetate and **pregnant** *mare's* serum. 024270
Isolation of Actinobacillus lignieresi from an epidural abscess in a *horse* with **progressive** paralysis. 024585
Costs of grazing [cattle and *horses]* on **public** lands. 021433
Horse **racing** in South Africa. 023152
Equine **ringworm** by Trichophyton verrucosum [of a horse transmitted from cattle]. 024628
Freezing of *stallion* **semen.** 024265
Observations upon the **shoeing** of *horses.* 023135
Differential diagnosis of diarrhea in *horses* over **six** months of age. 024868
Carbohydrate digestion and absorption in the *equine* **small** intestine [Horses]. 023560
Brown snake bite in *horses* in **southeastern** Queensland. 024972
Evaluation of pyrantel pamoate [anthelmintic] against **strongyles** in *horses.* 024705
Mesenteric thrombosis *[Horses,* **Strongylus** vulgaris]. 024615
Intestinal **surgery** in the *foal.* 024327
Laboratory studies of Venezuelan equine encephalitis virus in *equines,* **Texas,** 1971. 024590
Pathological infection of **Thoroughbred** *horses* with Gastrodiscus aegyptiacus. 024616
Histological development of the thymic and intestinal lymphoid **tissue** of the *horse.* 023563
Functional anatomy and nervous control of the equine alimentary **tract** *[Horses].* 023562
Equine ringworm by Trichophyton verrucosum [of a *horse* **transmitted** from cattle]. 024628
A progestogen (chlormadinone acetate = CAP) for cycle control and infertility **treatment** in the *mare.* 023978
Trojan *horse* [Haematobia irritans pests of cattle]. 028990
On helminth fauna of *horses* in **Turkmenistan.** 024579
Synchronization of oestrus and ovulation in the *mare* with a **two** PG-HCG [prostaglandin-human chorionic gonadotropin] sequences treatment. 024001
Bacillus piliformis infection (Tyzzer's disease) in **two** *foals.* 024580
Two *equine* cogenital cardiac anomalies. 024851
Multiplication if **Venezuelan** *equine* encephalitis (Mucambo) virus in cultured mosquito cells [Aedes aegypti, Aedes albopictus]. 024424
Antibodies against **Venezuelan** *equine* encephalomyelitis virus in accidental human infections in Argentina. 024527
Laboratory studies of **Venezuelan** *equine* encephalitis virus in equines, Texas, 1971. 024590
Trimethoprim in the *horse* **[Veterinary** pharmacology]. 024310
Immunity to 'Strongylus **vulgaris'** in the *horse.* 024511

HORTICULTURE

Some *horticultural* **aspects** of plant quarantine. 028309
Industrial *[horticultural]* **crop** production [Mechanization and automation]. 027608
Annotated bibliography on root temperature and plant growth, 1967-1974 *[Horticultural* **crops].** 027285
The results of state variety testing [of field and *horticultural* **crops]** for 1974. 027519
Introductory address: 75 years research of protected cultivation *[Horticultural* **crops].** 027613
Third Africa Symposium on *Horticultural* **Crops,** University of Nairobi, Nairobi, Kenya, 18, 19, 20 September 1973. 027649
Whiteflies [Trialeurodes vaporariorum, Aleurodes spiraeoides]: their biology and control *[Horticultural* **crops].** 028833
1974 evaluation of candidate pesticides. Insecticides: upland *[horticultural]* **crops.** 028876
The first engineers-technicians from Wadenswil *[Horticulture,* **education].** 027839
Electric heating of hotbeds *[Horticultural* **ezuipment,** vegetables]. 030079
The use of supplementary lighting in *horticulture* **[Greenhouses].** 027660
Use of slow-release fertilizers in peat substrates [for **growing** *horticultural* crops]. 030408
Policy decision making for the *horticultural* **industry** in Kenya. 021678
Report of the student excursion to the southwestern part of the Netherlands, 2-6 **June** 1975 *[Horticulture].* 027745
Marketing channels for *horticulture* in **Kenya.** 021461
Spectral radiant power of **lamps** used in *horticulture.* 030148
Symposium on peat in *horticulture,* **Noordwijk,** 7-11 April 1975. 027633
The preparation of artificial soils based on peat materials for *[horticultural* **plant]** growing under glass and plastics. 027644
Analytical methods for peat substrates [used in growing of *horticultural* **plants].** 027589
Cutting and cropping in artificial media *[Horticultural* **plants,** potting soil substitutes]. 027596
Dodder [Cuscuta]—increasing in Connecticut *[Horticultural* **plants,** weed control]. 028508
Controlled environments for scientific research and *horticultural* **practice.** 029872
Handling and storage of *horticultural* **produce** in Kenya. 022863
Towards the quantification of post-harvest loss in *horticultural* **produce** [Storage]. 022865
Special branches in Swiss intensified *[horticultural]* **production** today and tomorrow. 027838
New concepts in *horticultural* **research** and production (in Africa). 027617
Judging standards for *horticultural* **shows.** 027820
On the problem of concentration and **specialization** in *horticulture.* 021818
Development of subterranean heating and warm water **utilization** for *horticulture.* 029901
Familiar plants in foreign zones *[Horticultural* **varieties].** 027803

HORTICULTURISTS

Liberty Hyde Bailey as I knew him **[Botanists,** *horticulturists].* 027692
In memorium: Earle William Prout, **Jr.** *[Horticulturists].* 027728

HOSPITALS

A computer-tallied *[hospital]* **menu** system. 022117
The stader plan expands—beautifully! **[Veterinary** *hospitals].* 024393

HOSTS

Indirect action of the larval food of an **alternative** *host* (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Host-mediated **assay** and urinary assay with the same mice for the detection of chemical mutagens in Saccharomyces cerevisiae [Yeasts]. 026093
Effect of vertebrate size and density on *host-selection* by **caged** Culex nigripalpus. 029038
Development of complete and bisected male genital disks after transplantation, and duration of *host* **development** in Ephestia kuehniella Z. 029505
Epiphyte—*host* relations in seagrass communities [Algae]. 025867
Mixed infection with Paragonimus miyazakii and other species in an **experimental** *host* [Dogs, cats, rats]. 024623
Biology, population dynamics, and *host* **finding** efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Cytological, cytochemical and histoautoradiographic study of viscum album L. (Loranthaceae). I. The seed, its germination and means of **fixation** on the *host.* 026066
Studies on the biology of sorghum shoot flies, Atherigona spp. (Muscidae: Diptera), and shoot **fly-sorghum** *host* plant relationships. 028799
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of **further** *virus-host* combinations. 028257
Screening for **genetic** *host* resistance against the bacterial leaf spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Apple latent viruses: transmission from **herbaceous** *host* tissue to Malus indicator plants and distribution in apple budwood. 028169
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in **hypersensitive** *hosts* of the genus Nicotiana. 028222
Penetration of *host* **IgG** [Immunoglobulin G] molecles into hydatid cysts [Mice, gerbils]. 024790
Mechanism of the hypersensitive cell-death in *host-parasite* **interaction** [Potatoes, Phytophthora infestans]. 027972
Micro-autoradiographic studies on *host-parasite* **interactions.** I. The infection of Phaseolus vulgaris [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. 027908
Ultrastructural study of the *host-parasite* **interactions.** I. The Heterosporium gracile of the Iris. 027924
The *fungus-host* **interface** [Erysiphe pisi, peas]. 027981
Ultrastructural changes in *host-parasite* **interface** of chrysanthemum rust [Puccinia horiana] treated with oxycarboxin. 027985
Some **leguminous** *hosts* for potato virus X [Gomphrena globosa]. 028269
Hepatoma, *host* **liver,** and normal rat liver phospholipids as affected by diet. 022152
Host-range **mutant** of fowl plague virus (FPV): comparison of the genome and virus proteins. 024765
Notes on Chilean Uredinales [Puccinia habranthi, Puccinia menthae, Uromyces minor]. III. **New** *hosts* [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. 027891
Ephelis oryzae syd. On some *hosts* **new** to India [Grasses]. 027946
Multiple viral infections of insect cells and *host* **pathogenesis:** multicomponent viral insecticides [Galleria mellonella, biological control]. 028653
Studies on viral pathogenesis in **plant** *hosts.* VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with tobacco mosaic virus. 028258
Study on the locomotion determinism of the first stage larvae of Acrolepiopsis (Acrolepia) assectella Zell. (Lepidoptera) inside the *host* **plant** [Leeks]. 028825
Examinations concerning the range of *host* **plants** of the plum pox virus (PPV). 028290
Investigatons on taxonomy, *host* **plants** and distribution of the long-horned beetles (Cerambycidae-Coleoptera) in Aegean Region. 028682
Host **race** formation among sympatric apple, walnut, and plum populations of the codling moth, Laspeyresia pomonella. 028817
Further studies about the *host* **range** of sharka (plum pox) virus. 028179
Host **range** and properties of tobacco stunt virus. 028229
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and *host-parasite* **ratios.** 028850
Study on *host* **reaction** of some selected varieties of soybean rust [Phakopsora pachyrhizi]. 028086
Host **records** for Lepidoptera reared in eastern North America. 028681
Host **relations** and distribution of a physiological and pathological variant of Pseudomonas morsprunorum [Sweet-cherry trees, leaf spot]. 028131
Host **resistance** to cattle tick (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
Fungal toxins as determinants of *hosts* **specificity** [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Induced susceptibility or induced resistance as causes of *host-parasite* **specificity** [Wheat, stem rust, Puccinia graminis tritici]. 027971
Isolation, identification and synthesis of *host-seeking* **stimulants** for cardiochiles nigriceps, a parasitoid of tobacco budworm [Heliothis virescens]. 028722
Physiological basis of *host* **susceptibility** of Florida mosquitoes to Dirofilaria immitis. 029416
The involvement of *host-specific* **toxins** in early step of infection by Alternaria kikuchiana and Alternaria mali [Pears, apples]. 027982
Formula for describing effect of insect and *host* **tree** [Dendroctonus brevicomis] factors on resistance to western pine beetle [Pinus ponderosa] attack. 028945
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: Scolytidae) from **two** *host* species [Pinus ponderosa, Pinus monticola]. 028922
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., **two** *hosts* of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Passiflora foetida, a **widespread** *host* of passionfruit woodiness virus in Queensland. 028157
Strain variations among Fomes durissimus Lloyd [Swietenia mahogani, Casuarina equistetifolia, Mimusops elengi, India] attacking different *host* **wood.** 027887

HOTBEDS

Electric heating of *hotbeds* **[Horticultural** ezuipment, vegetables]. 030079

HOUSE

Design, construction, and working of an **animal** *house* in Scotland. 029942
Area *housing* for young and fattening cattle. 029918
3-bedroom *house* with basement. 029967

Coccidiosis in broilers: evaluation of infection by the examination of **broiler** *house* litter for oocysts. 024455
Sampling **broiler** *house* litter for coccidial oocysts. 024473
2,4,6-trichloroanisole in **broiler** *house* litter: a further cause of musty taint in chickens. 024975
Relationship between LP [liquified petroleum] gas usage and amount of roof insulation in Arkansas **broiler** *houses.* 029905
Brooding *house* arrangements. 023125
The role of trees [as windbreaks] in improving energy utilization by beef **cattle** *[Housing].* 023116
Feedlot facilities **[Cattle,** *housing].* 029970
Excreta analysis on additional cockroach [Parcoblatta pennsylvanica] species and the *house* **cricket** [Acheta domesticus]. 029310
Present solutions for *housing* **dairy** cattle. 029952
House for **dry** sows. 029961
Synergism of resmethrin in the *house* **fly** [Musca domestica]. 029027
Free-stall *housing* for dairy cattle. 029953
Dairy **goat** *housing* and care [Husbandry]. 023109
Phosphorus in **green** *house* soils. 030441
Housing, **health** closely related [Swine]. 024314
Supplementary heat for piglets *[Housing,* **heating** equipment]. 029948
Spatial preference in the domestic **hen** *[Housing].* 023100
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose *housing* after the use of **litter** infected with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Successive crops in **plastic** *houses* with low level of heating. 027631
Differential **posteclosion** *housing* experiences and reproduction in Drosophila. 029209
Coop research at Lovsta **[Poultry** *housing].* 023113
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a **poultry** *house* [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Potential for conversion and utilization of solar energy in poultry **production** *[Housing].* 029969
Investigation of the question of juice coloration in **sugar** *house* operations. 022860
Fattening **swine** *houses* with grill floors. 029894
Electric heating of **swine** *houses.* 029951
There is a cure to control odors **[Swine** *houses].* 030847
The new cactus [in **Wisley's]** *house.* 027771

HOUSEFLIES

Endogenous rhythm of nerve activity in the *housefly* **eye** [Musca domestica]. 029457
Genetic analysis of resistance to DDT, methoxychlor and fenitrothion in two strains of *housefly* **(Musca** domestica). 028971

HOUSEHOLDS

Evaluation of *household* **dishwashing** machines for use in small institutions. 022332
Salmonellosis in a human infant, a cat, and two parakeets in the same *household* **[Salmonella** typhimurium copenhagen]. 024586
An analysis of the generation of *household* **solid** wastes from consumption [Pollution]. 030957

HOVENIA

Peptides in higher plants. I. The conformation of frangulanine *[Hovenia* **dulcis].** 026513

HUCKLEBERRIES

Observations on the rhizomes and roots of Vaccinium **membranaceum** *[huckleberry].* 026070

HULLING

Production of OTI-2,3 preparation on the basis of industrial hydrolizates of **cotton** *hulls* [Protein feed additives]. 023033
Protein content and amino acid composition in groats and *hulls* of **developing** oats (Avena sativa). 022786
Determination of *hull* **percentage** of rapeseed by germinating it on a solid substrate. 022830

HUMAN

Metabolism of ascorbic acid and ascorbic-2-sulfate in man and the *subhuman* **primate.** 022039

HUMICOLA

Isolation and haploidization of heterozygous diploid strains in a species of *Humicola* **[Soil** fungi]. 026201

HUMIDITY

Humidity **conditions** and the development of fungus diseases in glasshouses [Pseudoperenospora cubensis, Bremia lactuceae, Botrytis cinerea]. 027879
The effect of *humidity* on **crop** production. 026585
The effect of temperature and *humidity* on the **distribution** patterns of Drosophila inornata in Victoria, Australia. 029347
Humidity **effects** on properties of structural particleboards from forest residues. 025532
Lesser peachtree borer [Synanthedon pictipes, pest of stonefruits]: the effect of temperature and *humidity* on **egg** development. 028851
A simple method for exposing plastic embedded structures for scanning electron microscopy [Peristome teeth of the moss **Funaria** *hygrometrica].* 026028
Sporophyte development of **Funaria** *hygrometrica* Sibth. [Musci]. I. Structural data of water and nutrient uptake in the haustorium. 026063
Rapid THI *[Temperature-Humidity* **Index]** change and hypothalamic-rectal temperatures of heifers. 023666
Drying rates of *humid* **maize** increased by ten percent. 022811
Influence of high **relative** *humidity* on performance of strains of commercial broilers. 023094
Interrelations between sulphur dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of **relative** *humidity* and CO2 [carbon dioxide] concentrations in air. 026700
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the soil surface in the field] at different **relative** *humidities* [Crop residues]. 030176
Model of broiler performance as affected by **temperature** and *humidity.* 023665
Solution of differential equation of *humidity* **transfer** [in cereals] on an analogue computer. 026880
Natural mulch or chemical conditioner for reducing soil erosion in *humid* **tropical** areas. 030616
Effect of weathering and parent materials on clay mineralisation: red ferruginous soils of *humid* **tropics.** 030308
Papua New Guinea: an example of conservation opportunity in the *humid* **tropics.** 030965

HUMOR

Humoral **antibody** response to cattle to formalinized Staphylococcus aureus vaccine. 024496
Humoral **transmission** of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and systemic blood fractions [Rabbits]. 023608

HUMUS

A study of sorption phenomena between two triazine herbicides and *humic* **acids.** 028599
Application of thermometric titrations to the study of soil organic matter. II. *Humic* **acids.** 030205
The effect of mulching of *humus* **calcareous** soils on the yield of mandarin oranges. 030618
Studies on the influence of a long term lime fertilization on the *humus* **composition** and carbohydrate content of rice soils. 030531
Using the coefficient of extinction in determining quality and quality of *humus* **compounds** by spectrophotometry in soils under irrigation for a long time. 030384
Behaviour of the major elements and minerals in sediments of four *humic* **lakes** in southwestern Finland. 030892
Examination of relations between fertilizing and *humic* **matters.** 030573
Competitive behavior of Quercus ilex and Quercus pubescens under **Meditteranean** *humic* climates. 025874
The effect of the structure of crop rotation on the composition of *humus* and **nitrogen** in soddy-podzolic soil. 027564
Biological cycle of chemical elements in Central Taiga fir forests [Forest litter, **soil** *humus].* 030284
Novel method for estimating hydrogen-bonded CO2H [carboxyl] groups in *humic* **substances.** 030196

HUNGER

Sensitivity to **physiological** *hunger* cues: are the obese really different. 022186

HUNTING

Hunting and **forestry:** the forestry plan [Bern Canton]. 025084
The influence of *hunting* **manner** on prey size, particularly in spiders with long attack distances (Araneidae, Linyphiidae, and Salticidae). 029206

HUSBANDRY

Animal *husbandry* on an industrial basis. 021346
Increase in effectiveness of **animal** *husbandry* by improving the structure of feeding [Costs, returns]. 021457
Stable feed basis for development of **animal** *husbandry* [Costs]. 021459
Trumps of French **animal** *husbandry* in a conjuncture favorable to export. 021622
Prospects of **animal** *husbandry* development [in the Dzhizak province of the Uzbek SSR]. 021763
Animal *husbandry* and 1975 feed economy in the Rhineland Palatinate. 023129
Aspects of the **animal** *husbandry* of Lombardy. 023157
Maintenance people, number one influence factor in **animal** *husbandry* [Dairy cattle]. 023165
Dairy goat housing and **care** *[Husbandry].* 023109
Ethological and ecological system of **livestock** *husbandry* [Horses, cows, care]. 023098
Telling the story of animal science to the student **[Livestock** *husbandry].* 023126
Telling the story of animal science to the consumer **[Livestock** *husbandry].* 023127
Telling the story of animal science to the legislatures **[Livestock** *husbandry].* 023128
Husbandry and **observation** methods of a breeding colony of marmosets (Callithrix jacchus) for behavioural research [Laboratory animals. 023131
Analysis models for **polyculture-cattle** *husbandry* enterprises. III. Basic technical-economical data in the Noordelijke Bouwstreek region (Netherlands). 021280
Exploitation of some wastes of vegetable oils as sources of vitamin E in animal and **poultry** *husbandry.* 023944
Intensification of **sheep** *husbandry* in the central Volga River area [Meat and wool yields]. 023172
Dairy goats for family milk **supply** *[Husbandry].* 023110

HUSKS

New method of [press] packing **sunflower** *husks* [for transport to hydrolitic processing establishments]. 022764

HYACINTHS

Effects of light and temperature on nodulation of cowpea and *hyacinth* **bean.** 027189
Biology and control of Xanthomonas **hyacinthi** in *hyacinths.* 028123
The **water** *hyacinth* (Eichhornia crassipes Solms) in the Nile system, Egypt. 025608
Influence of nutrient additions and initial density of plants on production of **water** *hyacinth* Eichhornia crassipes. 026372

HYALINE

A nematode-destroying hyphomycete forming parallel **multiseptate** *hyaline* conidia in circular arrangement [Haptocara latirostrum, Fungi, new taxa]. 025583

HYALOMMA

Comparative investigation of life cycles of ticks Hyalomma asiaticum asiaticum and *Hyalomma* **anatolicum** excavatum [Parasites, animals]. 029390
Studies on the development of Theileria annulata Dschunkowsky and Luhs, 1904 in the **tick** *Hyalomma* anatolicum anatolicum Koch, 1844. 028993
Comparative investigation of life cycles of **ticks** *Hyalomma* asiaticum asiaticum and Hyalomma anatolicum excavatum [Parasites, animals]. 029390

HYALOPHORA

Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of *Hyalophora* **cecropia** and Samia cynthia. 029373
Approaches to the biosynthesis of the *[Hyalophora]* **cecropiaC** [carbon] 18 juvenile hormone. 029405
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the **silkmoth** *Hyalophora* cecropia during the larval-pupal transformation. 029725

HYALURONIDASE

Distribution of *hyaluronidase* in the **ram** spermatozoon. 024116

HYBRID

Note on the [yield] response of *hybrid* **bajra-4** [pearlmillet] to different levels of nitrogen. 030470
Hereditability of caryopse weight in spring **barley** *hybrids.* 026167
Observations on the behavior of certain ecotypes and *hybrids* of the **bee** (Apis mellifera carpatica) from the Carpathians. 029863
Organization of the Baden-Wurttemberg [swine] *hybrid* **breeding** program in cooperation with production and marketing arrangements. 024238
Organization of the [West German] Federal [swine] *hybrid* **breeding** program as a cooperative program of breeding organization and producer groups. 024239
The correlation between mitochondrial complementation and heterosis in *hybrid* **corn.** 026127
Response of an early-maturing **corn** *hybrid* to planting date and population in the northern [Great] Plains [North Dakota]. 027358
Evaluation of commercial **corn** *hybrids* for tolerance to corn rotworm [Diabrotica]. 028729
Economics of production of *hybrid* **cotton** seeds utilising male-sterile line. 021377
In vitro culture of some *hybrid* **cultivars** of Weigela (Thun) from meristems. 027150
Field resistance of tobacco varieties and *hybrids* to **downy** mildew [Peronospora tabacina]. 028100
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in *hybrids* **Drosophila** virilis Sturt. X Drosophila. 029464
The reproduction of fiber **flax** *hybrids* grown under artificial light. 026274
Hybrid **forms** of malate dehydrogenase of Fusarium oxysporum f. sp. vasinfectum and the cotton plant. 027950
Effects of bulb vernalization on yield and quality characteristics of outdoor grown Golden Yellow **Freesia** *hybrida.* 027763
Trichocereus and **Helianthocereus** *hybrids.* 026205
The determination of the level of heterosis of single-sex **hemp** *hybrids* by the index method. 026267
Heterosis *hybrids* and seeds. 026208
Hybrids and **hybrid** taxa from Ophrys bertolonii and Ophrys atrata (Ochidaceae) [Italy]. 026234
Metabolism of the amino group of glutamate in maize inbred lines and their F1 *hybrid* after **infiltration** of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975

Development of self-incompatibility in Petunia *[hybrida]* using **inhibitors** of protein and nucleic acid metabolism. 027168
Selections in **initial** *hybrid* generations [of cotton]. 026213
A method of obtaining seeds of an **intergeneric** *hybrid* [of cotton]. 026211
Previous results and prospects of **interspecific** *hybridization* in forest tree breeding (review). 025235
Interspecific *hybridization* of Camellias, with particular reference to fragrance. 026078
Artificial **interspecific** *hybridization* in temperate and tropical species of Ruellia (Acanthaceae). 026098
Breeding of grape varieties resistant to Phylloxera by means of **intervarietal** *hybridization.* 026308
Study of hybrid vigor in simple and complex **intervarietal** *hybrids* of hemp. 026312
Factors responsible for discontinuance of *hybrid* **jowar** [durra] cultivation. 027407
Morphological and chemical indices of eggs of *hybrid* and **line-bred** poultry with varying levels of nutrition. 024241
Tolerance of **Lolium** *hybrids* to quantitative variation in nuclear DNA. 026228
Some problems of male sterility transmission and combining ability in **lucerne** *hybrids* made with a gytoplasmic male sterility system. 026177
Investigations on the susceptibility of **maize** *hybrids* against root rot [Fusarium, Aureobasidium bolleyi]. 028103
Morphological variability among loblolly [Pinus taeda] and shortleaf [Pinus echinata] pines of east Texas with reference to **natural** *hybridization.* 025182
Natural *hybrids* of clementine [oranges]. 027752
A **new** *hybrid* of Cacalia from Nagano Prefecture. 025710
Feeding value of silage from a tillering and a **nontillering** *hybrid* corn [Sheep, steers]. 023721
Study on some characteristics of **pepper** *hybrids.* 026242
Unilateral cross protection among some NEPO viruses [Tobacco, **Petunia** *hybrida].* 028206
Poplar *hybridization* of the section Leuce. 025249
Protective forest shelterbelts of *hybrid* **poplars** in Bashkiria. 025043
Hybridization of the **potato** using shooty cuttings. 026209
Fundamental problems of **remote** *hybridization* of livestock. 024246
The "red queen" *[Hybrid* of **Selenicereus** and Heliocereus]. 026204
A **sex-chromosome** *hybrid* zone in the grasshopper Podisma pedestris (Orthoptera: Acrididae). 029362
Precocious flowering of citrus seedlings. 1. Species, varieties, and *hybrids* **showing** the precocious flowering on their seedlings, and irregularities of the flower organs. 027100
Quality of hides and skins of young Hereford and **Simmental** *hybrids* [Properties, composition]. 022720
The response of swede [rutabaga] varieties and their *hybrids* to **soil** pH [hydrogen-ion concentration]. 027423
Plant tissue culture methods in **somatic** *hybridization* by protoplast fusion and transformation. 026074
$28 million added cash from **state** *hybrid* corn during last 14 years [Yields]. 027505
Hybrid **studies** on the genetics of coat color and blood groups of Landrace and Vietnamese swine. 024219
Assessment of cold tolerance in **sugarcane** *hybrids* derived frrom traditional and new germplasm. 026293
Screening Indo American (IA) *hybrid* **sugarcane** clones for drought resistance. 026296
Hybrid **swine** are tested in Great Britain. 024148
Germinating capacity of some maize open pollinated varieties, inbreds, *hybrids,* **synthetics** and composites in saline substrate. 026965
Hybrids and *hybrid* **taxa** from Ophrys bertolonii and Ophrys atrata (Ochidaceae) [Italy]. 026234
Investigations on valence crosses in rye (Secale cereale L.). IV. Meiotic pairing and seed setting in **tetraploid** *hybrids.* 026094
Nitrogen metabolism and digestibility of feeds in **Thornber** *hybrid* and Belgian Landrace swine. 023912
Meiotic chromosome pairing in **triploid** *hybrids* of Gossypiumhirsutum L. [Cotton] with wild Australian species. 026103
What is happening to our bermudagrass [Cynodon dactylon]. 2. A new concern with the *hybrids* [**Turf** diseases]. 028452
Drying of various maize **varieties** and *hybrids.* 022800
Study of *hybrid* **vigor** in simple and complex intervarietal hybrids of hemp. 026312
Analysis of mesocarp and kernel oils from the American oil palm and F1 *hybrids* with the **West** African oil palm. 022789

HYDATIDS

Penetration of host IgG [Immunoglobulin G] molecles into *hydatid* **cysts** [Mice, gerbils]. 024790

HYDATIGENA

The location of Taenia pisiformis, Taenia ovis and **Taenia** *hydatigena* in the gut of the dog and its effect on net environmental contamination with ova. 024792

HYDRA

Diphelypaea (Orobanchaceae), nom. Nov. And other cautherizations on a **nomenclatural** *Hydra.* 025832

HYDRANGEA

The influence of temperature, daylength and light intensity on flowering in *Hydrangea* **macrophylla** (Thunb.) Ser. 027642

HYDRATES

The effect of organic polymers and *hydrous* **iron** oxides on the tensile strength of clays. 030371

HYDRATION

Effect of sodium chloride on *rehydration* of **freeze-dried** carrots. 022931

HYDRAULICS

Scanning electron microscope (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to *hydraulic* **conductivity.** 030344
The hysteresis in the relationship between *hydraulic* **conductivity** and soil water content. 030349
Measurement of *hydraulic* **conductivity** and diffusivity for predicting the process of soil water infiltration from a trickle source. 030386
Subsidence of peat soils under *hydraulic* **fills** [Drainage]. 030690
The *hydraulic* **function** of intramyocardial fluids subject to the erectile properties of the ventricular wall of mammalian hearts [Dogs]. 023679
Modest *hydraulics* in the service of the people: social and economic analysis of hydraulic operation of the lower Limpopo River [Water management, Mozambique]. 030715
Modest *hydraulics* in the service of the people: social and economic analysis of hydraulic operation [Water management, Mozambique]. 030716
Introduction of **oil** *hydraulics:* building elements. 029946
Modest hydraulics in the service of the people: social and economic analysis of *hydraulic* **operation** of the lower Limpopo River [Water management, Mozambique]. 030715
Modest hydraulics in the service of the people: social and economic analysis of *hydraulic* **operation** [Water management, Mozambique]. 030716
Experimental research on operations of **specially-designed** *hydraulic* tract or loader [Logging equipment]. 025391
Hydraulic **standpipes** for underground irrigation pipelines. 030069
The *hydraulic* **system** of the tractor John Derre 4630. II. 030105

HYDRAZIDES

Photolysis of benzoic **acid** *2-(2,4,6-trichlorophenyl)hydrazide,* [Nitricide, on citrus leaves; residues]. 029111
Mutagenic activity of hydrazine and its combinations with **maleic** *hydrazide* and X-rays in barley. 026135
Collaborative study of a spectrophotometric method for determining **maleic** *hydrazide* residues in tobacco and vegetables. 029118

HYDRAZINE

Mutagenic activity of *hydrazine* and its **combinations** with maleic hydrazide and X-rays in barley. 026135

HYDROCARBONS

Levels of residues of **chlorinated** *hydrocarbons* in canned vegetables. 021859
On the contamination of milk and milk products with **chlorinated** *hydrocarbons.* I. Methods. 021982
Occurrence of **chlorinated** *hydrocarbon* insecticides, southern Florida—1968-72. 029150
Unsaponifiable matters of butter oil. I. Compositional study of *hydrocarbon* **fraction.** 022624
The use of **halogenated** *hydrocarbons* for food freezing. 022470
Occurrence of **kerosene-like** *hydrocarbons* in the bream, Mylio australis Gunther [Taint]. 021850
Variation of the **long-chain** *hydrocarbon* pattern in different tissues of Duncan grapefruit. 027259
The content of **polychlorinated** *hydrocarbons* in Arctic ecosystems. 029174
Hydrocarbon **repellents** isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: Tenebrionidae) [Flour beetles. 028967

HYDROCELLULOSE

End-wise degradation of *hydrocellulose* during **hot** alkali treatment. 025415

HYDROCHLORIC

The kinetics of **drying** *hydrochloric* acid hydrolizate mass with air [Wood hydrolisis]. 025346

HYDROCHLORIDE

Antiarrhythmic, Haemodynamic and metabolic effects of **3alpha-amino-5alpha-androstan-2beta-ol-17-one** *hydrochloride* in Greyhounds following acute coronary artery ligation. 023320
Induction of p- mutants in Saccharomyces cerevisiae [yeasts] by **guanidine** *hydrochloride.* II. Conditions that prevent p- induction. 026225
Changes in the acid base status of sheep anaesthetised with a combination of atropine sulphate acepromazine and **ketamine** *hydrochloride.* 024296
Effect of five daily intravenous treatments with **oxytetracycline** *hydrochloride* on the carrier status of bovine anaplasmosis [Anaplasma marginale, cattle]. 024584
Spectrophotometric assay of **salsolidine** *hydrochloride* [Salsola richteri]. 026623

HYDROCORTISONE

Influence of environmental heat on peripheral plasma progesterone and *cortisol* during the **bovine** estrous cycle. 024100
Comparative studies of *cortisol* **complexes** formed with cytosol proteins from embryonic chicken (Gallus domesticus) and adult rat (Rattus rattus) liver. 023447

HYDROCYANIC

Hydrocyanic **(HCN)** toxicity in broilers fed diets contaning cassava. 024987

HYDRODYNAMICS

Experimental study of non-uniform movement of water parachutes *[Hydrodynamics,* **log** rafts]. 025392
Effluent irrigation as a **physicochemical** *hydrodynamic* problem. 030714
Limited proteolysis of yeast phosphofructokinase by subtilisin: Alterations in enzyme activity, subunit composition, and *hydrodynamic* **properties.** 026553
Theory of **vertical** *hydrodynamic* zonation of Artesian basinsof the platform type [Groundwater]. 030782

HYDROELECTRIC

Improved utilization of water resources at *hydroelectric* **plants.** 030657

HYDROGEN

Hydrogen **bonding** in yeast phenylalanine transfer RNA. 026812
The pH1 *[hydrogen-ion* **concentration]** of longissimus dorsi muscle in purebred and commercial pigs. 022692
Effect of sodium alkalis and salts on pH *[hydrogen-ion* **concentration]** and flavor of soymilk [Soybeans]. 022783
A pH *[hydrogen-ion* **concentration]** meter tester [Sugarbeet research]. 022828
The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH *[hydrogen-ion* **concentration]** 7-0. 023535
The pH *[hydrogen-ion* **concentration]** of cecal secreta in chickens. 023577
The behavior of holo- and apo-forms of bovine superoxide dismutase at low pH *[hydrogen-ion* **concentration].** 023656
The effects of processing of barley-based supplements on rumen pH *[hydrogen-ion* **concentration],** rate of digestion and voluntary intake of dried grass in sheep. 023708
The heritability of pH1 *[hydrogen-ion* **concentration]** in longissimus dorsi muscle in Landrace and Large White pigs. 024153
Effect of pH *[hydrogen-ion* **concentration]** on the growth andcytopathogenicity of avian infectious bronchitis virus in chick kidney cells. 024420
The influence of pH *[hydrogen-ion* **concentration]** on the growth and stability of transmissible gastroenteritis virus in vitro [Swine]. 024426
Neutralisation of the pH *[hydrogen-ion* **concentration]** of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567
Temperature and pH *[hydrogen-ion* **concentration]** optima for 21 species of thermophilic and thermotolerant fungi. 026457
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH *[hydrogen-ion* **concentration].** 027137
The response of swede [rutabaga] varieties and their hybrids to soil pH *[hydrogen-ion* **concentration].** 027423
Effect of native carbon sources and pH *[hydrogen-ion* **concentration]** on the pectolytic enzymes of Alternaria solani and Alternaria tenuis. 028078
Response of two soya bean cultivars to manganese toxicity as affected by pH *[hydrogen-ion* **concentration]** and calcium levels. 028333
Response of weeds to soil pH *[hydrogen-ion* **concentration].** 028621
Effect of *hydrogen-ion* **concentration** on the activity of inclusion bodies of Spodoptera litura nuclear polyhedrosis virus [Insect pests, biological control]. 028643
Physiology of digestion. I. PH *[hydrogen-ion* **concentration]** and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
Novel method for **estimating** *hydrogen-bonded* CO2H [carboxyl] groups in humic substances. 030196
Action spectra of photosynthesis and *hydrogen* **evolution** by bacteria, algae, and higher plants. 026541
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ *[hydrogen]* **exchange** and growth in Avena [oats] coleoptile segments. 027030
The influence of temperature increase, elevation of **extracellular** *H+[hydrogen]-concentration,* and of triiodothyronine on the actions of phenylephrine, histamine,. 023266

The influence of sulfur dioxide and *hydrogen* **fluoride** on free amino acids of spruce [Picea abies]. 025025
Distribution of mitoses and 3H *[hydrogen]-thymidine* **incorporation** in proliferating eye discs of Ephestia kuehniella Zeller. 029506
Uptake of the sex pheromone 3H *[hydrogen* **isotope**] bombykol and related compounds by male and female Bombyx [mori] antennae. 029840
Peptide *hydrogen* exchange rates in Streptomyces subtilisin inhibitor. A study by proton magnetic resonance [Yeasts]. 026411
Hydrogen **peroxide** bleaching of marinated herring. 022501
Effects of H2O2 *[hydrogen* **peroxide**] and oxidation-reduction enzymatic systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. 022625
Detection of H2O2 *[hydrogen* **peroxide**] in ultrahigh temperature milk. 022642
The use of magnesium phosphide tablets with *hydrogen* **phosphide** in gas treatment of wheat in silos. 023029
Photoinduced *hydrogen* evolution by bacteria, algae, and higher plants. 026542
Effects of frequency of feeding on ruminal pH *[hydrogen-ionconcentration]* **value,** concentration and molar proportion of volatile fatty acids, and dry matter digestibility. 023781

HYDROGENATION

Interesterification and *hydrogenation* of **animal** fats. 022651
Factors increasing the vitamin E activity of plant lipids [Soybean **oil** *hydrogenation].* 022846

HYDROGENOLYSIS

On the *hydrogenolysis* of **lignin.** 9. Comparative hydrogenolyses of different lignin preparations from some species. 025470

HYDROGEOLOGY

Hydrogeology in the **Academy** of Sciences of the USSR. 030766
The methodology of reclamation and *hydrogeology* **explorative** investigations. 030612
The results of geological and *hydrogeological* **field** studies on subject "Fundamentals of geology and hydrogeology" for the period 1970-1973 [in Estonia]. 030723
A *hydrogeological* **study** of artesian basins from data of surface geophysical investigations. 030750

HYDROLASES

Subcellular localization of lipoxygenase and lipolytic **acyl** *hydrolase* enzymes in plants [Vegetables]. 027253
Phosphatidate phosphohydrolase and palmitoyl-coenzyme A *hydrolase* in **cardiac** subcellar fractions by hyperthyroid rabbits and cardiomyopathic hamsters. 023283

HYDROLOGY

The bias of an estimate of Gumbel's law parameters. Application to some river **discharges** *[Hydrology].* 030720
Contribution of the Academy of Sciences of the USSR to the development of **inland** *hydrology* [Water resources]. 030756
Tile and surface drainage of clay soils. II. *Hydrologic* **performance** with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
State *Hydrology* Institute [USSR, water resources]. 030776

HYDROLYSIS

Improved methodology for rapid and reproducible **acid** *hydrolysis* of food and purified proteins. 022375
Dynamics and composition of **alkali** *hydrolyzable* nitrogen in polzol soils of the Kola Peninsula. 030286
1-Cyanoepithioalkanes: major products of **alkenylglucosinolate** *hydrolysis* in certain Cruciferae. 026775
Effect of temperature on the process of extraction of products of *pre-hydrolysis* from **chip** cellolignin. 025306
Preparation of immobilized beta-galactosidase by poly(vinylpyrrolidone) and the **continuous** *hydrolysis* of lactose in acid whey. 022564
Hydrolysis of **cyclic** guanosine 3',5'-monophosphate in tissues of Schistocerca gregaria (Forsk.) (Orthoptera). 029441
Production functions and limit indices in calculating the efficiency of production at [wood] *hydrolysis* **enterprises.** 025409
Enzymatic *hydrolysis* of hardwood xylans. II. Isolation of five beta-I lead to 4-xylanasen from three commercial enzyme products. 025363
Release of *hydrolytic* **enzymes** from the cell walls of intact and disrupted carrot callus tissue. 027280
Enzymic *hydrolysis* of acetylcarnitine in liver from rats, sheep and cows. 023278
Investigation of the possibility of using lignin to purify the post-fermentation yeast sediments [from *hydrolysis* **establishments**]. 030899
Production of a mixture of amino acids [for food and drugs] by autolysis of *hydrolyzed* **fodder** yeast. 022438
The algorithm of management of the pure-culture of *hydrolytic* **[fodder]** yeast production. 023035
Tests of screw conveyor press for **forming** *hydrolyzed* lignin. 025338
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of *hydrolyzed* **iodinated-casein** on the conversion of beta-carotene into vitamin A. 023718
Effect of water-soluble substances of *hydrolyzed* **lignin** on the properties of the pressed products. 025307
Production of fuel briquets from *hydrolyzed* **lignin.** 025322
Pyrolysis of *hydrolyzed* **lignin** in plasma at low temperature. 025324
Poplar wood **processing** by *hydrolysis.* 025522
Potentiometric determination of nitrogen in fluids **produced** by *hydrolysis.* 022437
Studies on the *hydrolysis* **reaction** of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
Hydrolyzable **tannide**s of Potentilla [chrysantha]. I. 026481
Colloidal lignin and the method of detecting it in *hydrolysis* **wastes.** 025300
Modified flotation method of determining alcohol in water solutions containing admixtures [**Wood** *hydrolysis].* 025316

HYDROLYZATES

On the amino acid composition in soil hydrolysates. I. Amino acid compositions in **acid** *hydrolysates* of soil types and horizons of their soil profiles. 030185
Improvement of substrate preparation from **peat** *hydrolyzates* [for growing feed yeasts]. 023032
Modification of content of volatile admixtures in *hydrolysates* during their **processing** [Terpenes, furfurol]. 025315
On the amino acid composition in **soil** *hydrolysates.* I. Amino acid compositions in acid hydrolysates of soil types and horizons of their soil profiles. 030185
Effect of concentration of potassium in the medium on the content of protein in fodder yeast [grown on **wood** *hydrolyzates].* 023030
Refractometry of **[wood]** *hydrolyzate.* 025326

HYDROPEROXIDES

Conversion of linoleic **acid** *hydroperoxide* by soybean lipoxygenase in the presence of guaiacol: identification of the reaction products. 026989

HYDROPHILIDAE

Comparative morphology of the male genitalia in the subfamily Hydrophilinae (Coleoptera, *Hydrophilidae).* I. **Tribe** Hydrophilini. 029228

HYDROPONICS

The effect of non-root fertilizer supplements on the physiological indices and cucumber yield in *hydroponic* **greenhouses** [Soiless culture]. 027301
Prospect of *hydroponic* **method** of vegetable culture in greenhouses. 027785
The use of Sphagnum peat and brown coals for growing **plantsin** *hydroponic* containers. 027648

HYDROQUINONES

Influence of amino acids, thiourea and *hydroquinone* on **cellulolytic** activity in some Fusarium [Fungi] strains. 026322
Hydroquinone **diacetate** from Rhynchosia minima. 026741

HYDROTHERMAL

Further study of diatoms in some present or quaternary, *hydrothermal* and **lacustrine** carbonate sedimentation from central Afghanistan. 025650

HYDROXIDES

Studies on the dominant-lethal and fertility effects of the heavy metal compounds **methylmercuric** *hydroxide,* mercuric chloride, and cadmium chloride in male and female mice. 024156
Sodium *hydroxide* treatment of different roughages [Feeds]. 023065

HYDROXYLASE

Hepatic aminopyrine N-demethylase, **acetanilide** *hydroxylase* and lipid peroxidation in young growing rats during the treatment of insecticides. 024944
A spectrophotometric assay for trans-cinnamic **acid** *4-hydroxylase* activity [Potatoes]. 027113
The properties of cinnamic **acid** *4-hydroxylase* of aged swede [rutabaga] root disks. 027256
Phenylacetic acid **meta** *hydroxylase* from Rhizoctonia solani [the causal fungus of a serious soilborne disease of plants]. 028045
A convenient biological synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with sow **ovarian** *19-hydroxylase.* 023505
Activation of **prolyl** *hydroxylase* in fibroblasts by ascorbic acid. 022015

HYDROXYLATION

Hydroxylation of **cedrol** by the dog. 023657
Evidence for *16alpha-hydroxylation* of **estrone** 3-sulphate by guinea pig liver slices. 023355
On phenol and **p-cresol** *o-hydroxylation* by tyrosinases in the presence of ascorbic acid [Mushrooms, potatoes]. 027230

HYDROXYPROLINE

Genetic control of susceptibility to *hydroxyproline* in **Drosophila** [melanogaster]. 029291
Evidence of relationship between *hydroxyproline* and **essential** amino acid contents in animal tissue proteins. 023670
Hydroxyproline **index:** an indicator of nutritional status; study of Mississippi children. 022124

HYDROXYQUINOLINE

The effect of *8-hydroxyquinoline* on **enzyme** synthesis in the fission yeast Schizosaccharomyces pombe. 026556

HYDROXYTOLUENE

Effect of water and BHT **[butylated** *hydroxytoluene]* on stability of cottonseed oil during frying. 022790

HYDROXYTRYPTAMINE

Membrane potential changes induced by *5-hydroxytryptamine* in the **rabbit** superior cervical ganglion. 023327

HYDROXYUREA

Influence of *hydroxyurea* on **nucleic** acids content and 3H [tritium]-uridine incorporation in callus and tumorous tobaccotissues and cultured in vitro. 028699
Hydroxyurea **synchronization** of bovine fetal spleen cells. 023400

HYGIENE

Studies on the administration of food sanitation: an attempt to establish a methodology for quantitative **administrative** *hygiene.* 021857
Hygienic **aspects** of liquid and solid manures [Livestock disease control]. 030808
Sanitary-hygienic **basis** for distances between livestock quarters [Designs]. 024387
The *hygienic* **importance** of flavobacteria in milk. 021950
Industrial *hygiene* in the brewery and its influence on the quality of beer. 021852
Hygienic **production** of industrial ice cream. 021868
Physiological aspects of fluid packaging in cartons [Dairy **products,** *hygiene].* 021942
Hygienic **regulation** of phosphamide application in the culture of hops [Insect pest control]. 028908
Hygiene, good **sense** and economy [Food industry]. 021967
Hygiene during **work** with mineral fertilizers. 030571

HYGROSCOPY

Influence of crystallization of lactose in serum concentrate on *hygroscopicity* and **agglomeration** of [whey] serum powder. 022628

HYLOCOMIUM

The distribution of Rhytidiadelphus and *Hylocomium* in **Finland** [Musci]. 025604

HYMENOLEPIDIDAE

Hymenolepis nana var. Fraterna (Cestoda, *Hymenolepididae)* in **Leucophaea** maderae (Dictyoptera, Blattidae) crossing of the gut wall. 028991

HYMENOLEPIS

Hymenolepis **nana** var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea maderae (Dictyoptera, Blattidae) crossing of the gut wall. 028991
Thymus dependence of **tapeworm** *(Hymenolepis* diminuta) elimination from mice. 024576

HYMENOMYCETES

New or interesting records of **British** *Hymenomycetes* [Fungi]. VI. 025774

HYMENOPTERA

Larvae of the **Apidae** *(Hymenoptera,* Apoidea). I. Apini, Apis. 029666
Contribution to the study of Melipona beecheii B. *(Hymenoptera,* **Apidae),** a bee of Mexico: caste determination in the Meliponini. 029740
A metatarsal adhesive organ of drones of the genus **Apis** *(Hymenoptera:* Apidae). 029783
The behaviour of some bembicine wasps [Xerostictia longilabris] of southern **Arizona** *(Hymenoptera:* Sphecidae, Microbembex, Glenostictia, Xerostictia). 029492
Natural history of Veromessor pergandei. II. **Behavior** *(Hymenoptera:* Formicidae). 029467
Peponapis fervens (Smith) in **Bolivia** *(Hymenoptera:* Apoidea) [Habitat]. 029481
Observations on the egg laying and sleeping habits of Euparagia scutellaris **Cresson** *(Hymenoptera:* Vespoidea). 029468
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] *(Hymenoptera:* **Diapriidae)** to subfreezing temperatures. 028854
A new species of Forcipestricis [portoricensis] Burks, 1968 *(Hymenoptera:* **Encyrtidae)** from Puerto Rico parasitic on Forcipomyia (Diptera: Ceratopogonidae). 029354
A revision of the Argentine species of **Epirhyssa** *(Hymenoptera,* Ichneumonidae) [New taxa]. 029530
Cuticular encystment: a unique and effective defense reaction by cabbage looper larvae against parasitism by Banchus **flavescens** *(Hymenoptera:* Ichneumonidae). 028815
Introduction of a predacious red wood ant, **Formica** *lugubris(Hymenoptera:* Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925
Investigations on sexual production in the dulotic ant, Harpagoxenus sublaevis (Nyl.) *(Hymenoptera,* **Formicidae).** 029377
Study of the bee genus Morawitzia **Friese** *(Hymenoptera:* Apoidea: Halictidae). 029694

Biological notes and new synonymy in Forcipomyia (Diptera: Ceratopogonidae) [parasitized by the *hymenopteran* **genus** Forcipestricis]. 029355
Study on teratological changes in ant workers of Formica rufa **group** *(Hymenoptera,* Formicidae). 029383
A review of the genus Stenogaster **Guerin** *(Hymenoptera:* Vespoidea). 029604
Incidence of Anisopteromalus calandrae **Howard** *(Hymenoptera:* Pteromalidae) on Sitophilus oryzae Linnaeus. 028723
Hymenoptera: **Ibaliidae.** 029618
Competition among larvae of Pimplopterus dubius Hgn. *(Hymenoptera:* **Ichneumonidae),** a parasitoid of Epinotia tedella Cl. (Lepidoptera: Tortricidae). 029509
Laboratory crossings with different sources of the larch casebearer parasite Chrysocharis **laricinellae** *(Hymenoptera:* Eulophidae). 029283
Taxonomic and biological remarks concerning **Macrophya** *(Hymenoptera,* Tenthredinidae) developing on Sambucus (Caprifoliaceae). 029538
Osmiinae from the Canary Islands (Insecta: *Hymenoptera:* **Megachilidae)** [New taxa, Osmia. 029692
Intracellular crystals in Apis **mellifera** *(Hymenoptera,* Apoidea). 029780
Sex determination in bees. V. The action of sexual genes in Apis **mellifera** *(Hymenoptera,* Apidae). 029781
A new Floridian Polycyrtidea [floridana] with comments on zoogeography of Florida **Mesostenini** *(Hymenoptera:* Ichneumonidae) [and comparison with Polycyrtidea limitis from Texas]. 029587
Taxonomic implications of doryline worker ant morphology: Cheliomyrmex **morosus** *(Hymenoptera:* Formicidae). 029534
Observations on mating and oviposition behaviour of Priopoda **nigricollis** *(Hymenoptera:* Ichneumonidae) a parasite of the birch leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae]. 028926
Activity of juvenile hormone analogues on *hymenopterous* **parasitoids** [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. 028644
Territorial behaviour by males of **Philanthus** *multimaculatus(Hymenoptera:* Sphecidae) with a review of territoriality in male sphecids. 029211
The sawfly types of Abbe Leon **Provancher** *(Hymenoptera:* Symphyta) [New taxa]. 029641
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, Fenusa **pusilla** *(Hymenoptera:* Tenthredinidae]. 028926
The until now unknown species of the bee genus **RhophitoidesSchenck** *(Hymenoptera:* Apoidea: Halictidae) [New taxa]. 029696
Effects of daylength over one complete and a partial succeeding generation on development in Neodiprion **sertifer** *(Hymenoptera:* Diprionidae) [Forest pests]. 028929
Three new species of Lindenius and some others *(Hymenoptera,* **Sphecidae,** Crabroninae). 029550
The biology of Stenogaster concinna van der Vecht with comments on the phylogeny of **Stenogastrinae** *(Hymenoptera:* Vespidae). 029395
New records for Zethus from **Texas** *(Hymenoptera:* Eumenidae). 029589
A karyological study of nine species of **Torymus** *(Hymenoptera:* Torymidae). 029555
The species of Chalcidoidea described from North America north of Mexico by Francis **Walker** *(Hymenoptera)* [New taxa]. 029547
Coming of the giant **wasps** *[Hymenoptera].* 029242
Influence of different sucrose syrup concentrations and presence of species members on the foraging behaviour of **wasps** *(Hymenoptera:* Vespidae). 029338

HYOSCYAMUS

Isolation and culture of mesophyll protoplasts of *Hyoscyamus* **niger** L. var. annuus Sims. 026560

HYPERA

Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil *[Hypera* **brunneipennis]** and pea aphid [Acyrthosiphon pisum]. 028663
Feeding damage to several leguminous and non-leguminous plants by the Egyptian alfalfa weevil *[Hypera* **brunneipennis].** 028730
A natural epizootic of a coccidian in a population of the Egyptian alfalfa weevil, *Hypera* **brunneipennis,** and the alfalfa weevil, Hypera postica. 028757
Yield and quality losses due to alfalfa weevil *[Hypera* **postica].** 028703
Field survival of diapausing Bathyplectes curculionis, a parasite of the alfalfa weevil *[Hypera* **postica].** 028731
A natural epizootic of a coccidian in a population of the Egyptian alfalfa weevil, Hypera brunneipennis, and the alfalfa weevil, *Hypera* **postica.** 028757
Population and mortality assessment during the cocoon stage of the alfalfa weevil, *Hypera* **postica** (Coleoptera: Curculionidae). 029286

HYPERASPIS

Two **noteworthy** *Hyperaspis* species from East Africa Coleoptera: Coccinellidae) [New taxa]. 029698

HYPERCALCEMIA

Electrocardiographic signs of adrenocortical insufficiency with *hypercalcemia* in the **dog.** 024929

HYPERGLYCEMIA

Hyperglycemia **observed** in slaughter cattle. 024832

HYPERICUM

Heterostyly and pollen flow in *Hypericum* **aegypticum** (Guttiferae). 025950

HYPEROXIA

Slow respiratory stimulant effect of *hyperoxia* in **chemodenervated** decerebrate cats. 023473

HYPERPARASITES

Biology of Eupteromalus americanus: A *hyperparasite* of **Bathyplectes** curculionis. 028637
The role of the *hyperparasite* **Cicinnobolus** cesatii de By. In suppressing the powdery mildew [Podosphaera leucotricha] of apple trees. 028030
The black mildew Appendiculella calostroma and its **fungal** *hyperparasites.* 027912

HYPERPLASIA

Chimeras, *hyperplasia,* and **hypoplasia** in frost burls [in conifers and hardwoods] induced by low temperature. 025017

HYPERSENSITIVITY

Mechanism of the *hypersensitive* **cell-death** in host-parasite interaction [Potatoes, Phytophthora infestans]. 027972
Delayed *hypersensitivity* responses of swine to Ascaris suuminfection. 024609
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in *hypersensitive* **hosts** of the genus Nicotiana. 028222
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the *hypersensitive* **reaction** as a means of resistance. 028127

HYPERTENSION

Heartworm [Dirofilaria immitis] disease with **pulmonary** *hypertension* [Dogs]. 024723

HYPERTHYROID

Phosphatidate phosphohydrolase and palmitoyl-coenzyme A hydrolase in cardiac subcellar fractions by *hyperthyroid* **rabbits** and cardiomyopathic hamsters. 023283

HYPERTROPHY

Analysis of **cardiac** *hypertrophy* in Thai native dogs. 024882

HYPHAE

Electron microscopy of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. **Intracellular** *hyphae* and vesicles. 025995
Morphology, development, and cytochemistry of the *hyphae* and **sclerotia** of species in the Rhizoctonia complex [Fungi]. 025982
Chemical composition of the *hyphal* **wall** of a toxigenic fungus, Penicillium rubrum stoll. 026646

HYPHANTRIA

Distribution of viruses of the fall webworm *[Hyphantria* **cunea]** in soil. 028652

HYPHOMYCETES

Fatty acid composition of lipids common to **aquatic** *Hyphomycetes* [Fungi] in conditions of artificial culture. 026674
A **nematode-destroying** *hyphomycete* forming parallel multiseptate hyaline conidia in circular arrangement [Haptocara latirostrum, Fungi, new taxa]. 025583

HYPOCOTYLS

Mechanical inhibition of *hypocotyl* **elongation** induces radial enlargement [in soybean seedlings]; implications for cytokinin action. 027024
Isolation of nucleoli and localization of ribonnucleic acid polymerase I from **soybean** *hypocotyl.* 026043
Association of phytochrome with rough-surfaced endoplasmic reticulum fractions from **soybean** *hypocotyls.* 027017

HYPODERMATIDAE

Cultivation of the warblefly Oestromyia leporina Pall. (Diptera, *Hypodermatidae)* and its **biological** prerequisites. 029076

HYPOPHYSECTOMY

Evolution of plasma progesterone at the end of pregnancy, of ewe bearing a *hypophysectomised* **fetus.** Effect of dexamethasone administration. 024051
Effects of administration with testosterone compound (Durateston) on the genital organs in *hypophysectomized* **male** adultrats. 024137
Acute effect of *hypophysectomy* on the **natriuresis** following saline infusion in dogs. 023405
Mitochondrial reorganizaion following stimulation by HCG [human hchorionic gonadotropin] of testis Leydig cells from *hypophysectomized* **pigs.** 023352
Renal responses of the *hypophysectomized* **rat** to infusions of bovine growth hormone. 023520

HYPOPLASIA

Cerebellar *hypoplasia* of genetic origin in calves. 024816
Chimeras, hyperplasia, and *hypoplasia* in **frost** burls [in conifers and hardwoods] induced by low temperature. 025017

HYPOTENSION

Effects of **carotid** *hypotension* on aortic hemodynamics in the unanesthetized dog. 023207

HYPOTHALAMUS

Tanycyte absorption affected by the *hypothalamic* **deafferentation** in Japanese quail, Coturnix coturnix japonica. 023363
A study on electrical activity of medial basal cells in the *hypothalamus* of the **ewe** following intravenous administration of estrogen. 023347
Evidence for direct projections from the *hypothalamus* to the **lateral** geniculate and occipital cortex of the cat as demonstrated by horseradish peroxidase technique. 023409
Studies of the *hypothalamus* and the **pituitary** gland, with special reference to the effects of transection of the pituitary stalk [Includes animals]. 023177
How is luteinizing hormone released in response to electrochemical stimulation of the *hypothalamus?* **[Rats].** 023517
Milk ejection in the rat: reversible blockade of *hypothalamo-neurophypophysial* and **sympathetico-adrenal** pathways by radio- frequency currents. 023519
Rapid THI [Temperature-Humidity Index] change and *hypothalamic-rectal* **temperatures** of heifers. 023666

HYPOVITAMINOSIS

Cerebrospinal fluid pressure in acute-and **chronic** *hypovitaminosis* A of the male weanling rabbit. 022201
Cerebrospinal fluid pressure and squamous metaplasia in **chronic** *hypovitaminosis* A of the male weanling rat. 023643

HYPOXIA

Effects of hypoxic and CO [carbon monoxide] *hypoxia* on **isolated** hearts [Dogs]. 023463
Influence of *hypoxia* on **protoplast** structure in the plant cell [of onion and of Tradescantia bracteata]. 027095
Effects of *hypoxia* of 10-45 **seconds** duration on energy metabolism in the cerebral cortex of unanesthetized and anesthetized rats. 023184
The changes of adenylate energy charge in wheat leaves during *anoxia,* **study** of their reversibility. 027005
The effect of *anoxia* on the **ventricular** fibrillation threshold in the rabbit isolated heart. 023330

HYSSOPUS

Investigations of the essential oil of *Hyssopus* **zeravshanicus.** 026484

HYSTERESIS

The use of a dependent domain model of *hysteresis* in **numerical** soil water studies. 030388
The *hysteresis* in the **relationship** between hydraulic conductivity and soil water content. 030349
Static *hysteresis* in compressed wood of birch in relation to compression along the fibers. 025410

ICE

Refrigeration puts school **costs** on *ice.* 022331
Quality testing of *ice* **cream** in 1974 by the German Agricultural Association. 021871
Ice **creams** and sherbets. Quality requirements and market situation. 021896
Mosquito collections in El Salvador with ultraviolet and CDC miniature light traps with and without **dry** *ice.* 029051
Improving *ice* cream deliveries to retail and institutional outlets. 021589
Hygienic production of **industrial** *ice* cream. 021868
Effect of ice storage on microbiological and chemical changes in shrimp and **melting** *ice* in a model system. 021922

ICERYA

Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, *Icerya* **purchasi** Maskell in citrus orchard [Insect pests, biological control]. 028823

ICHNEUMONIDAE

Spectrum of regulatory activities of parasitic insects [Chalcididae, *Ichneumonidae,* **Braconidae]** of Gypsonoma aceriana Dup. [Poplar pests, natural control]. 028958
A new Floridian Polycyrtidea [floridana] with comments on zoogeography of Florida Mesostenini (Hymenoptera: *Ichneumonidae)* [and **comparison** with Polycyrtidea limitis from Texas]. 029587
Cuticular encystment: a unique and effective defense reaction by cabbage looper larvae against parasitism by Banchus flavescens **(Hymenoptera:** *Ichneumonidae).* 028815
A revision of the Argentine species of Epirhyssa (Hymenoptera, *Ichneumonidae)* **[New** taxa]. 029530
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: *Ichneumonidae)* a **parasite** of the birch leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae]. 028926

Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: *Ichneumonidae),* a **parasitoid** of Epinotia tedella Cl. (Lepidoptera: Tortricidae). 029509

IDIOBLASTS

On the formation of the pattern of **crystal** *idioblasts* in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of calcium nutrition. 027063

ILEUM

Effects of cholecalciferol on the translocation of calcium by non-everted **chick** *ileum* in vitro. 023275

Influence of substance P on the response of guinea **pig** *ileum* to transmural nerve stimulation. 023185

ILEX

Ilex **aquifolium** in Great Britain. 025699

Hollies *[Ilex]* for **Christmas** and the landscape [Culture, varieties]. 027691

Hollies *[Ilex]* and **companion** plants at "Ecko Hollow". 025553

Competitive behavior of **Quercus** *ilex* and Quercus pubescens under Meditteranean humic climates. 025874

ILLUMINATION

Changes in the growth rate of the concomitant microflora in algal cultures under *illumination* and in **darkness** [Chlorella pyrenoidosa]. 026686

Progress in the promotion of flowering in lilies [Lilium speciosumin varieties] by **supplementary** *illumination.* 027625

IMAGINAL

Allatectomy and *imaginal* **diapause** in females of Tetrix undulata (Sow.) (Orthoptera, Tetrigidae). 029260

The *imaginal* **diapause-break** in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277

Imaginal **differentiation** of the spermiduct in Acridids: effects of juvenile hormone [Locusta migratoria, Schistocerca gregaria]. 029197

The mechanism of evagination of *imaginal* **discs** of Drosophila melanogaster. II. Studies on trypsin-accelerated evagination. 029508

IMBIBITION

Biochemical properties of mitochondrial membrane from dry pea seeds and changes in the **properties** during *imbibition.* 027261

IMBRASIA

Diagnosis of three new species of Lepidoptera Heterocera from East Africa *[Imbrasia* **(Nudaurelia)** zaodeae, Phiala bergeri, Macropoliana afarorum]. 029623

IMITATION

Imitation **milk** and imitation milk products. 022611

A review of thermally **produced** *imitation* meat flavors. 022662

Protein value of **two** *imitation* milks. 022128

Protein value of **two** *imitation* milks; chemical and biologic assays. 022129

IMMATURITY

The effects on liver metabolism of administering excesses of biotin to *immature* **pullets** and laying hens. 023341

Alterations of DNA-dependent DNA polymerase activities in the *immature* **quail** oviduct in response to estrogen stimulation. 023600

The composition and protein metabolism in the *immature* **rabbit** intervertebral disc. 023364

Weed control in *immature* **rubber.** 028578

The *immature* **stages** of Drepanacra binocula (Neuroptera: Hemerobiidae), with notes on the relationships of the genus. 029610

The *immature* **stages** of Paradasyhelea minuta Wirth and Lee with a note on adult antennal sensilla and a discussion on the relationships of the genus Paradasyhelea Macfie. 029611

Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of males and *immature* **stages** (Acarina: Cheyletidae). 029659

IMMERSION

Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive **fruit** *immersion,* temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837

IMMIGRANTS

Phytophthora cinnamomi—an **ancient** *immigrant* to Australia. 028094

IMMIGRATION

Farmers and the *immigration* **act** of 1924. 021684

Halophila stipulacea, a review of a **successful** *immigration* [Eastern Mediterranean]. 025868

IMMOBILIZATION

Preparation of *immobilized* **beta-galactosidase** by poly(vinylpyrrolidone) and the continuous hydrolysis of lactose in acid whey. 022564

Refolding of reduced, denatured [bovine] trypsinogen and **trypsin** *immobilized* on agarose beads. 023486

IMMUNITY

Trials to induce an **acquired** *immunity* against infestation by Fasciola gigantica [Cattle]. 024644

Antitoxic *immunity* in experimental cholera: protection, and serum and local antibody responses in rabbits after enteral and parenteral immunization. 024569

Demonstration in tissue culture of **cellular** *immunity* of fowl cholera [Pasteurella multocida, chickens]. 024537

Method of breeding for **combined** *immunity* of grapes to fungus diseases and Phylloxera. 026309

Response of **congenitally** *immune* chicks to viscerotropic velogenic Newcastle disease virus. 024449

Studies of leucosis and specific antibodies in sera of leucotic cattle and sheep by *immuno* and **countercurrent** electrophoresis. 024805

The clonal origin of cells contributing to successive phases of a **cyclical** *immune* response [Mice]. 024519

Suckling-mouse-brain rabies vaccine (SMBV): duration of *immunity* in **dogs.** 024781

Complexes of haemoglobin and hem-protein in sera of mammals. II. *Immune* **electrophoretic** researches [Swine, cattle]. 024463

Rapid **high-resolution** *immune* electron microscopy of plant viruses. 028281

Insect *immunity.* II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373

Stability of infectious bovine rhinotracheitis virus and it's *immunity* in **Korean** native calves. 024690

An in vitro study on **lymphocyte-mediated** *immunity* in mice experimentally infected with Toxoplasma gondii. 024625

Swine physiopathology: Fetal and **newborn** *immunity.* 2. 024709

Immune plasma-dependent cytotoxicity of *immune* and **non-immune** peripheral lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530

Clinical aspects of **passive** *immunity* in foals. 024614

Immune plasma-dependent cytotoxicity of immune and *non-immune* **peripheral** lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530

Newcastle disease vaccines: a study of duration of *immunity* and **properties** of LaSota vaccine given in drinking water [Chicks]. 024478

Experiences with *immune* **prophylaxis** of coli infections of calves. 024726

Stimulation of **protective** *immunity* to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens [Mice]. 024479

Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and *immune* **relectron** microscopy. 024477

Influence of strain of chickens on the *immune* **response** to vaccination against Marek's disease. 024457

The *immune* **response** of rats to subcutaneous implantation with Fasciola hepatica. 024481

Histocompatibility antigens and genetic control of the *immune* **response** in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514

The *immune* **response** to polysaccharides from yeast-like fungi in sensitized experimental animals. 024651

Suppression of *immune* **responses** to sheep red cell antigens in rats preimmunized with heterophilic antigen: cellular events. 024518

Naturally occurring double-stranded RNA and *immune* **responses.** III. Immunogenicity and antigenicity in animals. 024533

Immunity to **'Strongylus** vulgaris' in the horse. 024511

Local and **systemic** *immune* responses following oral immunization of foetal lambs. 024531

IMMUNIZATION

Immunization against **Aujeszky's** disease with an inactivatedvirus in oil excipient [Rabbits, swine]. 024682

Experimental studies on the *immunization* of **avian** infectious bronchitis virus: immunogenicity of the CK [chicken kidney] attenuated virus. 024482

Supportive nutritional care for foals born to *iso-immunized* **mares.** 024907

Immunization against **mucosal** disease—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409

Local and systemic immune responses following **oral** *immunization* of foetal lambs. 024531

Antitoxic immunity in experimental cholera: protection, and serum and local antibody responses in rabbits after enteral and **parenteral** *immunization.* 024569

A leukocyte migration inhibition assay technique using blood clot fragments in vitro [Guinea **pigs,** *immunization].* 023397

Studies on **preventive** *immunization* against bovine babesiosis. 024693

North Carolina started pullets: management, integrity, **sanitation,** *immunization.* 023105

Newcastle disease virus pathogenesis in the respiratory tract of local or **systemic** *immunized* chickens. 024444

IMMUNOCHEMISTRY

Immunochemical **methods** in the study of ontogenic evolution of proteins: fraction I protein and malate dehydrogenase during ageing of wheat leaves. 027003

Immunochemical **studies** on tyrosinase induction in Neurospora [crassa, fungi]. 026551

IMMUNODEPRESSION

Experimental herpetic [Herpesvirus hominis] infection in rabbits **combined** with *immunodepression.* 024405

IMMUNODIFFUSION

Demonstration of avian influenza-A virus in Iran by *immunodiffusion* **technique.** 024436

IMMUNOFLUORESCENCE

Serodiagnosis of nosematosis by *immunofluorescence* using **cell-culture-grown** organisms [Nosema cuniculi]. 024638

Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by *immunofluorescence* and **immune** relectron microscopy. 024477

The localization of retinol-binding protein in rat liver by *immunofluorescence* **microscopy.** 023503

IMMUNOGENICITY

Naturally occurring double-stranded RNA and immune responses. III. *Immunogenicity* and **antigenicity** in animals. 024533

Farther attenuation of the virulence of Brucella abortus 19with preservation of its *immunogenicity* **[Cattle].** 024538

Experimental studies on the immunization of avian infectious bronchitis virus: *immunogenicity* of the **CK** [chicken kidney] attenuated virus. 024482

Comparisons among isolates of Gremmeniella abietina [Pinus pests] by means of growth rate, conidia measurement, and *immunogenic* **reaction.** 027916

IMMUNOGLOBULINS

Immunoglobulins, **antibodies** and inhibitors of parainfluenza 3 virus in respiratory secretions of sheep. 024422

Immunoglobulin-bearing lymphocytes of the chicken. I. Heavy **chain** *immunoglobulin* commitment and organ distribution. 024515

Use of *immunoglobulin* **coupled** to agarose beads for examining the specificity of conjugates [Rabbits]. 024595

Antigenic cross reactions between *immunoglobulins* of some **farm** animals and man. 024555

Antigenic cross-reactions between *immunoglobulins* of some **farm** animals and man. 024556

Immunoglobulin-bearing **lymphocytes** of the chicken. I. Heavy chain immunoglobulin commitment and organ distribution. 024515

Reconstitution of pig lymphocyte plasma membranes from solubilized components, with particular reference to **membrane-associated** *immunoglobulins.* 023285

Penetration of host IgG *[Immunoglobulin* G] **molecles** into hydatid cysts [Mice, gerbils]. 024790

Transfer of IgG *[immunoglobulin]* from **plasma** to nasal secretions in newborn lambs. 024756

Immunoglobulin class **specificity** of non-agglutinating antibody produced in cattle following Brucella abortus 45/20 vaccination. 024431

IMMUNOLOGY

XIIIth International Symposium on Laboratory Animals, Hruba Skala, April 23-25, 1975 **[Avian** *immunology,* abstracts of papers]. 024526

Studies on bredinin II: [isolated from the fungus, Dupenicillium brefeldianum] *immunological* **experiments.** 026595

Different effects of bacterial lipopolysaccharide on **neonatal** *immunological* tolerance to HSA [human serum albumin] in rabbits and chickens. 024523

On the *immunological* **reactivity** of calf body at different ages. 024771

Immunological **relationships** between two strains of mucosal disease/virus diarrhea virus [Calves]. 024410

Immunological **signs** in [livestock] helminthiasis. 2. Hypersensibility reactions, consequences and applications of immunological signs. 024704

IMMUNOSUPPRESSION

Immunosuppression in **ovine** typanosomiasis [Sheep]. 024753

Immunosuppression in **rabbits:** skin and kidney allografts. 024340

IMPATIENS

Impatiens **balsamina** gynoecium. Morphological ontogenic and tetratologic studies. 025981

Contribution to the study of photoperiodic response of *Impatiens* **balsamina** L. "Buisson fleuri" variety. 027147

IMPERMEABLE

Impermeability of **rabbit** erythrocytes to prostaglandins. 023217

IMPLANTS

Implanting **calves** for added pounds and profit [Diethylstilbestrol, growth]. 023648

Effects of ration protein level and **diethylstilbestrol** *implants* on early-weaned beef bulls. 023763
Embryonic mortality during the pre- and *post-implantation* **periods** of pregnancy in mature mice after superovulation. 024119
The immune response of rats to **subcutaneous** *implantation* with Fasciola hepatica. 024481

IMPORTS
Xanthene dye-sensitized photooxidation in the **black** *imported* fire ant, Solenopsis richteri. 028646
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and *imported* **cabbage** worm [Pieris rapae] in the greenhouse and field. 028874
French curtail, shift **cotton** *import* trade. 021536
Ad valorem equivalent duty rates **decline** in 1974 *[Imports].* 021494
U.S. Agricultural trade with Canada, fiscal 1975: exports rise, *imports* **decline.** 021505
U.S. Dairy trade deficit reduced in fiscal 1975 as exports gain and *imports* **decline** [Statistics]. 021515
Fertility of *imported* **deep** frozen semen of Brown Swiss proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072
Transmissible gastroenteritis of swine in Colombia, an *imported* **disease.** 024744
Peru boosts poultry output, U.S. **Feedgrain** *imports.* 021553
Yugoslav **food** *import* needs lowered. 021570
Canada to require bilingual labeling of *imported* **foods.** 021889
U.S. *Imports* of **fruits** and vegetables under quarantine, fiscal 1975 [Statistics]. 021508
Liberia to **increase** *imports* of U.S. Rice. 021542
U.S. Honey prices firm despite **larger** *imports.* 021566
Nigeria to *import* **meat,** build cattle sector. 021549
Pakistani edible **oil** *imports* rise, but U.S. Share slips. 021551
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of *imported* **parasites** of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712
Egypt looks to Western world for more farm **products** *[Imports].* 021532
Major and trace element analysis in **red** *imported* fire ant [Solenopsis invicta] queens by ion induced X-ray fluorescence. 029357
Philippine **wheat** *imports* to rebound in 1975/76. 021555
Wood *imports* vital for Swedish forest industries. 025499

IMPREGNATION
Investigations of the *impregnating* **behaviour** of tributyl-tin oxide in different wood preservative formulations with the help of an active substance labelled with carbon isotope. 025374
Coating and *impregnating* with **endrin** protects field-sown Douglas fir [Pseudotsuga menziesii] seed. 028952
Performance of a sticky trap with **trimedlure** *impregnated* in the adhesive material [Ceratitis capitata]. 028870

IMPULSES
Synchronous *impulsive* sprinkling. 030681

INACTIVATION
Control of **chromosome** *inactivation.* 029440
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using *inactivated* **concentrated** foot and mouth disease viral antigens.). 024674
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its *inactivating* **enzyme** [Field crops]. 026966
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its *inactivating* **enzyme** [Wheat, barley, chickpeas, rice]. 026967
UV [ultraviolet] **light** *inactivation* kinetics of wheat stem rust uredospores [Puccinia graminis]. 027874
Photodynamic *inactivation* of virion-associated RNA transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on infected plants. 028242
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and *inactivation* of **pisatin** by the fungi [Fusarium solani, Cladosporium. 027888
Inactivation of **rabbit,** pig, and carp adenylate kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298
Ribosome *inactivation* by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the toxin A-chains [Rabbits]. 024952
Virus *inactivation* by ethylene oxide containing gases [Cats]. 024402

INANITION
Embryonic and placental development during **prolonged** *inanition* in the pig [Pregnancy]. 023212

INBREEDING
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with *inbred* **CBA/J** mice. 024802
The calculation of *inbreeding* **coefficients** [Animals]. 024041
Contributions from the Kirchhain Station for Apiculture: the problem of *inbreeding* **effects** in the bee [Apis mellifera]. 029860
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. *inbred* **(high-DIMBOA)** maize. 028751
Germinating capacity of some maize open pollinated varieties, *inbreds,* **hybrids,** synthetics and composites in saline substrate. 026965
Implications of **longer-time** *inbreeding* and the possibilities of their elimination through SIB-crossing in sunflower (Helianthus annuus L.). 026244
Genetic analysis and combining ability of grain yield components of **maize** *inbred* lines. 026151
Metabolism of the amino group of glutamate in **maize** *inbred* lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
General and specific combining ability in lucerne at different levels of *inbreeding* and **performance** of second-generation synthetics measured in competitive conditions. 026172
Effect of **short-term** *inbreeding* on biological characteristics of the silkworm [Bombyx mori]. 029797

INCANDESCENCE
Solid-state light-intensity controller [for *incandescent* **lamps**] for [entomological and] biological research. 029241

INCARNATA *see* GRANULES

INCENTIVES
Farmers' response to Small **Farm** *(Incentive* Bonus) Scheme [Income]. 021388

INCITE
The distribution and the lysis patterns of the bacteriophages of Xanthomonas malvacearum, the *incitant* of **bacterial** blight of cotton. 028149

INCOME
Do not rely spontanously on the highest interest [**Agricultural** *income].* 021382
Profitability prospects of swine production in the past **decade** *[Income].* 021450
The evolution of alternative rural development strategies in Ethiopia: implications for employment and *income* **distribution.** 021680
Alternative futures for nonmetropolitan population, *income,* **employment,** and capital [Rural development]. 021683
Effect of water quality and irrigation frequency on **farm** *income* in the Imperial Valley. 021373
Federal *income* tax reporting for timber owners. 025082
Analysis of developmental tendencies of the **gross** *income* in unified agricultural cooperatives. 021359
Estimation of industry **labor** *income* multipliers for county groupings in Missouri [Farming]. 021436
The analysis of **net** *income* and profitability in collective farms. 021444
Indonesia's **rising** *incomes* strengthen demand for meat. 021540
Farmers' response to Small Farm (Incentive Bonus) **Scheme** *[Income].* 021388
Food **spending** and *income.* 022363
Income **tax** considerations for 1975 [Dairy farming]. 021378
Nutritional adequacy of diets of a selected group of *low-income* **women:** identification of some related factors. 022102

INCOMPATIBILITY
Graft *incompatibility* in Pinus contorta. 025256
Escape from **mating-type** *incompatibility* in bisexual (A + a)Neurospora heterokaryons [Fungi]. 026120
Development of *self-incompatibility* in **Petunia** [hybrida] using inhibitors of protein and nucleic acid metabolism. 027168

INCORPORATION
The effect of zinc and phytic acid on the *incorporation* of 1-14C [**carbon** isotope]-acetate into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
14C [carbon isotope] *incorporation* in **chloramphenicol** inhibited growth and its reversal by riboflavin in green gram [Mung beans]. 027164
Biochemistry of development in insects [Ceratitis capitata]. *Incorporation* of **fatty** acids into different lipid classes. 029349
Distribution of mitoses and 3H **[hydrogen]-thymidine** *incorporation* in proliferating eye discs of Ephestia kuehniella Zeller. 029506
Incorporation of **labelled** amino acid into ova during ovarian development in the silkworm, Bombyx mori L. 029864
Relative mineralization rates of indigenous and **recently** *incorporated* 15N [nitrogen isotope]-labeled nitrogen [in soils]. 030529
25 years of the West German National Association of Dairy Experts and Dairy **Scientists,** *incorporated.* 022575
Red light effect on asp-U-14C [carbon isotope] *incorporation* in the **soluble** fraction of Zea mays L. 027065
Biochemistry of development in insects [Ceratitis capitata]. **Stereospecific** *incorporation* of fatty acids into triacylglycerols. 029348
Influence of hydroxyurea on nucleic acids content and 3H **[tritium]-uridine** *incorporation* in callus and tumorous tobaccotissues and cultured in vitro. 028699
Influence of acute tissue injury on in **vitro** *incorporation* of 6 5 Zn [zinc isotopes] by sheep erythrocytes. 024966
The kinetics of *incorporation* in **vivo** of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905

INCREMENTS
Volume of wood and the current and **average** *increment* of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar experimental plantation of Veliko Polje. 025251
Effect of a large area nitrogen fertilization by airplane on **volume** *increment* of pine [Pinus] stands in the Bodenwohr Forestry District in Bavaria. 030459

INCUBATION
Incubation [**Avian** eggs including poultry]. 024035
The metabolism of p,p'-DDE [dichlorodiphenyl dichloroethylene] in laying Japanese quail and their *incubated* **eggs.** 024946
Enhanced respiration and reduction of tetracycline binding of boar and bull spermatozoa **following** *incubation* in the female genital tract. 024145
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. Fine structure and reaction after heavy **meromyosin** *incubation* [Rabbits]. 023360
Alteration in human granulocyte function after in **vitro** *incubation* with L-ascorbic acid. 022016

INDEX
Indices of **agricultural** production in Africa and the Near East, 1964-73 [Statistics]. 021664
Effect of liming peat-bog soils on change in their **agrochemical** *indices* and crop yields. 030557
Study of the energetistic and **agrotechnical** *indices* of high-speed [plow] bases [Construction, operation]. 030138
Seasonal variation in leaf **area** *index* of a grassland community. 025921
Index selection in swine. III. Establishment and comparison among selection *indices* **based** on different testing systems. 024285
Use of **breeding** *indices* to evaluate swine. 024272
Morphological and **chemical** *indices* of eggs of hybrid and line-bred poultry with varying levels of nutrition. 024241
USDA-DHIA [Dairy Herd Improvement Association] **cow** *index* list, spring 1975 [Performance]. 024031
The growth and **development** *indexes* of cotton and a diagnosis of its high and consistent yield. 027390
Adsorption and bonding **energy** *indexes* for phosphorus in four soils of northeast Thailand. 030201
Relationship of Vibrio parahaemolyticus in oysters, water and sediment, and bacteriological and **environmental** *indices.* 021929
Effect of estrogen applied in puerperium on its course and some *indices* of **fertility** in dairy cows. 024244
Fossil dinoflagellates: *index* to **genera** and species. Supplement 1. [Paleobotany]. 025660
Fossil dinoglagellates: *index* to **genera** and species. Supplement 1. 025661
Branch **grading** *indexes* after size in pedunculate oak, sesile oak and beech stands [Quercus, Fagus]. 025161
Hydroxyproline *index:* an indicator of nutritional status; study of Mississippi children. 022124
Indices of **leanness** in commercial bacons. 022668
Production functions and **limit** *indices* in calculating the efficiency of production at [wood] hydrolysis enterprises. 025409
Small animal **literature** *index* [Veterinary medicine]. 024335
The determination of the level of heterosis of single-sex hemp hybrids by the *index* **method.** 026267
Classification of stream water according to degree of pollution on the basis of **microbiological** *indices.* 030979
Interrelationship between heights of young conifers and *indices* of **needle** development in their crowns. 027329
Literature searching with the CAIN [Cataloging and *Indexing]* **on-line** bibliographic data base [Agricultural literature]. 021082
The effect of non-root fertilizer supplements on the **physiological** *indices* and cucumber yield in hydroponic greenhouses [Soiless culture]. 027301
The effect of residue moisture in wilted leaves on **quality** *indices* of fine black tea. 022541
Rapid *indexing* procedures for detecting yellow speckle disease in grapevines [Virus diseases]. 028267
Polymorphic **site** *index* curves for natural sweetgum [Liquidambar styraciflua] in Alabama. 025081
Note on the shrinkage characteristics as an *index* for **structural** evaluation of soils. 030224

Bibliographical series. Information supplement no. 1 to 60. Author and **subject** *indexes* [Agriculture]. 021142
Index selection in **swine.** II. Estimation of genetic parameters for different testing systems. 024284
Index selection in **swine.** III. Establishment and comparison among selection indices based on different testing systems. 024285
Rapid THI **[Temperature-Humidity** *Index]* change and hypothalamic-rectal temperatures of heifers. 023666

INDICATORS

Cydonia C 7-1 and Pyronia veitchii, two **complementary** *indicators* [Pears, apples, viruses]. 028175
For wood products firms: the use of **financial** *indicators.* 025284
Plant species outside the genus Malus as *indicators* for **latent** viruses of apple. 028189
Apple latent viruses: transmission from herbaceous host tissue to **Malus** *indicator* plants and distribution in apple budwood. 028169
Hydroxyproline index: an *indicator* of **nutritional** status; study of Mississippi children. 022124
Modification of Michael's method for determination of serumacetyl choline esterase activity *[Indicator* for **organo-phosphorous** insecticide poisoning, men and experimental animals]. 029087
A lichen (Parmelia conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, air pollution, *indicator* **plants].** 025880
Algae of rhizosphere of *indicator* **plants** from certain plant associations of southwestern Turkmenistan flatlands. 025908
Enzyme reaction as *indicator* of **pollution** effects on lichens. 028326
Lichen growth on Camellias [as *indicator* of their **poor** condition]. 028324
Spacing of undergrowth as an *indicator* of **potential** success of forest regeneration in cutover areas. 025214
Study of the inheritance of **sedimentation** *indicator* of soft winter wheat. 026262
The predominant role of calcium [in the tree metabolism] as an *indicator* in **storage** disorders in Cleopatra apples [Physiological diseases]. 028382
An evaluation of chloroplast pigment characteristics as an *indicator* of **successional** status in terrestrial ecosystems. 025859

INDIGENOUS

An *indigenous* **beekeeping** practice in Thailand. 029854
Screening of *indigenous* **plants** for anthelmintic action against human Ascaris lumbricoides. II. [Plant extracts]. 026610
Forest management and research in *indigenous* **production** forests. 025148
Relative mineralization rates of *indigenous* and **recently** incorporated 15N [nitrogen isotope]-labeled nitrogen [in soils]. 030529
A proposed policy for *indigenous* **state** [New Zealand] forest. 025146
Morphological and chemical study on grain characteristics of *indigenous* **Thai** rice variety. 022810
Investigations on the natural durability of *indigenous* **timbers** for use in marine construction. 025423
Investigations on the natural durability of *indigenous* **timbers** for use in marine construction. 025424
Utility of *indigenous* **wood.** 025463
Management, classification and zoning of New **Zealand** *indigenous* forests. 025150

INDOLE

A GLC [gas-liquid chromatography] procedure for determining sub-nanogram levels of *indol-3-yl* **acetic** acid. 026708
The *indole-3-acetic* **acid** content in lucerne and its genetic control. 026179
Indole-3-acetic **acid:** Mass spectra and chromatographic properties of amino acid conjugates [Plant growth regulators]. 026619
Tryptophan and *indole-3-acetic* **acid** metabolism by Rhizobiummeliloti [Root nodule bacteria]. 030270
Studies of plants **containing** *indole* alkaloids. 5. Identification of tetrahydrosecamine in Amsonia elliptica Roem. et Schult. and the synthesis of secamine and presecamine. 026655
The influence of **IBA** *(b-indolyl-butyric* acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by leaf-bud cuttings. 026321
Effect of presoaking seed treatment with *indole-acetic-acid* on **wheat** under different salinity regimes coupled with SAR and boron levels. 027418

INDOLEACETIC

Tryptophan metabolism of Phycomyces blakesleeanus. I. Elucidation of the pathway of *indoleacetic* **acid** biosynthesis [Fungi]. 026413
The effect of *3-indolylacetic* **acid** on the accumulation of starch in the root tissue of Cichorium intybus L. [Chicory] cultured in vitro. 027097
The isozymic similarity of *indoleacetic* **acid** oxidase to peroxidase in birch and horseradish. 027338

INDOLEBUTYRIC

Effects of the plant growth **regulator** *indolebutyric* acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924

INDUCTION

Chromosome **aberrations** *induced* in rat lymphocytes by N-nitroso compounds as a possible basis for carcinogen screening. 021955
Studies with detached lupin root nodules in culture. I. Maintenance and *induction* of **acetylene** reduction activity [Rizobium]. 027031
Trials to *induce* an **acquired** immunity against infestation by Fasciola gigantica [Cattle]. 024644
Characteristic features of **actinomycin** *D-induced* paw inflammation of the rat. 024311
Cyclic AMP **[adenosine** *monophosphate]-induced* changes in protein synthesis in a cellular slime mold, Polysphondylium pallidum. 026689
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome **breaks** *induced* by X-rays in the paternal genome of Drosophila. 029449
Low-temperature-induced **cankers** and burls [injuries] in test conifers and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. 025018
Capsidiol *induction* in pepper fruit during interactions with Phytophthora capsici and Monilinia fructicola. 028049
The behaviour of deoxyribonucleases of rat liver in the course of *diethylnitrosamine-induced* **carcinogenesis.** 025007
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The *induction* of **carcinomas** and haemorrhages of the urinary bladder in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003
Blood glucose and tissue glycogen levels in turkey poults with spontaneous round heart disease and *furazolidone-induced* **cardiomyopathy.** 024818
Some histochemical aspects of the **carrageenin** *induced* inflammation [Rats]. 024814
Inclusions in mesophyll **cells** *induced* by a virus causing chlorotic streaks on leaves of Allium porrum L. [Leeks]. 028254
Plant response to environmental **change** *induced* by windbreaks. 025030
Tissue **changes** *induced* by marginal vitamin C deficiency. 022049
Membrane potential **changes** *induced* by 5-hydroxytryptamine in the rabbit superior cervical ganglion. 023327
Scanning electron microscope (SEM) observations of soil structure **changes** *induced* by sodium-calcium exchange in relation to hydraulic conductivity. 030344
Chemical *induction* of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
Chemically *induced* dynamic electron polarization in chloroplasts at room temperature: evidence for triplet state participation in photosynthesis. 026809
Two phases of **chorda-lingual** *induced* vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. 023557
Yield potential of soybean as related to soil **compaction** *induced* by farm traffic. 030178
The effect on the yields of barley and kale of soil **conditions** *induced* by cultivation at high moisture content. 027422
The effect of **convulsions** *induced* by flurothyl on ribonucleic acid synthesis in rat cerebral cortex during the recovery phase. 023291
Corticosteroid *induced* parturition in cattle. 024218
Restoration of *induced* **damage** by X rays to the embryos of Drosophila [melanogaster] Meig. 029389
Changes in *lectin-induced* **deoxyribonucleic** acid synthesis in cultures of chick-embryo fibroblasts at various stages of development. 023274
Blood calcium levels and the mechanism of DDE **[dichlorodiphenyl** *dichloroethylene]-induced* **eggshell** thinning [Doves, ducks]. 024950
Induction of **DNA** double-strand breaks by X-rays in a radiosensitive stain of the yeast Saccharomyces cerevisiae. 026224
Repair of UV *[ultraviolet]-induced* **DNA** damage and survival in yeast [Saccharomyces cerevisiae]. I. Dimer excision. 026226
Cytokinin **effects** *induced* in purple nutsedge [Cyperus rotundus] by perfluidone [Herbicides, control]. 028613
Mechanical inhibition of hypocotyl **elongation** *induces* radial enlargement [in soybean seedlings]; implications for cytokinin action. 027024
[Escherichia coli] *endotoxin-induced* **endothelial** injury andrepair. I. Endothelial cell turnover in the aorta of the rabbit. 024520
Hepatic nicrosomal **enzyme** *induction* in rats fed varietal cauliflower leaves. 022138
Equine *herpesvirus-induced* alterations in nuclear RNA and DNA polymerase activities. 024763
Induction of **estrus,** ovulation and fertility in prepuberal gilts. 023986
Synchronization and *induction* of **estrus** in heifers with a progestagen and estrogen. 023998
Sex differences in susceptibility to **experimental** *induction* of pantothenic acid deficiency in rats. 022106
Experimental *induction* of "leafless nodes" by phenylboronic acid treatment. A contribution to the definition of the node. 026422
Naturally occurring and **experimentally** *induced* mycoplasmal arthritis of cattle. 024591
Metabolic studies on the development of *ethanol-induced* **fatty** liver in KK-Ay mice. 022139
Feeding *induced* by intracerebroventricular 2-deoxy-d-glucose in the rat. 023213
Normal **fertility** *induced* in cow by double short treatment with chlormadinone acetate (CAP). 023992
Effect of **flumethasone** *induced* calving on the postpartum interval of beef cows [Fertility]. 024195
Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats **following** *isoproterenol-induced* myocardial infarction with superimposed diabetes. 022162
Annotated bibliography on pistillate flower **formation** *induced* by ethrel in pumpkin, 1969-1973. 027286
Radiation-induction of **fractional** mutations in Drosophila. 029450
Conditions for *induced* **fusion** of fungal protoplasts in polyethylene glycol solutions [Penicillium chrysogenum]. 026376
Enzyme to break down lettuce endosperm cell wall during gibberellin- and *light-induced* **germination.** 027217
Induction of **gestation** during lactation in the sow. 023987
Role of catecholamines in *photoperiodically-induced* **gonadal** development in Coturnix quail. 024038
Inhibitory action of five tannins on **growth** *induced* by several gibberellins [in peas]. 027273
Induction of **haploid** tobacco plants from isolated pollen. 027040
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, *enzyme-inducing* and **insecticidal** effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Major and trace element analysis in red imported fire ant [Solenopsis invicta] queens by **ion** *induced* X-ray fluorescence. 029357
Induction of **keikis** [lateral shoots] on Ascocendas [a monopodial orchid] by cytokinin. 027109
Emergence of overt diabetes in offspring of rats with *induced* **latent** diabetes. 022161
Staining reactions of the tissue bordering **lesions** *induced* by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262
Ozone-induced **loss** of intracellular potassium ion from Chlorella sorokiniana [Algae]. 026788
Chimeras, hyperplasia, and hypoplasia in frost burls [in conifers and hardwoods] *induced* by **low** temperature. 025017
Luteolysis *induced* by prostaglandin F2alpha compared with natural luteolysis in the ewe. An ultrastructural study. 023991
The use of synthetic analogues of prostaglandins for *inducing* **luteolysis** in mares. 024012
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of *antigen-induced* **lymphocyte** proliferation by anti-receptor alloantisera. 024514
Induction of **melanotic** tumors in larvae of Drosophila affinis parasitized by the wasp, Pseudeucoila bochei. 029425
Effects of low and high protein diets on the *induction* of **microsomal** drug-metabolizing enzymes in rat liver. 022136
Differences due to species, sex and pregnancy in **microsomal** *induction* by diphenylhydantoin in rabbits and rats. 023256
Induction of p- **mutants** in Saccharomyces cerevisiae [yeasts] by guanidine hydrochloride. II. Conditions that prevent p- induction. 026225
Nitrate uptake and *induction* of **nitrate** reductase in excised corn roots. 027025
Muscarinic inhibition of *potassium-induced* **noradrenaline** release and its dependence on the calcium concentration [Rabbits]. 023595
The *induction* and the **oncogenic** mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The *induction* and the **oncogenic** mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Fine structural demonstration of acid phosphatase in rabbit germinal epithelium prior to *induced* **ovulation.** 024055
Induction of **ovulation** and pregnancy in captive cottontail rabbits by exogenous gonadotrophin treatment and artificial insemination. 024225
ACTH [adrenocorticotropic hormone] and the *induction* of **parturition** in sheep. 023543
Effect of foetal adrenalectomy on maternal oestrogen levels at *dexamethasone-induced* **parturition** in sheep. 024105
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo **periodically** *induced* testicular growth and maturation. 023516
Induction of **petite** mutations during germination and outgrowth of Saccharomyces cerevisiae [yeasts] ascospores. 026194
Temperature-induced **phase** changes on the kinetics of photosynthetic electron transfer in winter and spring wheat chloroplasts. 026908

Photoperiodic *induction* of diapause in the kangaroo tick Ornithodoros gurneyi Warburton (Acarina: Argasidae). 029022
Absolute dormancy of **pollen** *induced* by soaking in organic solvents [Chrysanthemum pacificum, Lilium longiflorum]. 027282
Polybase *induced* lysis of yeast spheroplasts. A new gentle method for preparation of vacuoles [Candida utilis]. 026380
Induction of p- mutants in Saccharomyces cerevisiae [yeasts] by guanidine hydrochloride. II. Conditions that **prevent** p- *induction*. 026225
Use of atomizers for *inducing* **production** of cacao trees. 027858
Induction of **pulmonary** edema and emphysema in goats. 024883
Lime-induced **reactions** in municipal wastewaters. 030932
Spontaneous and *lectin-induced* **redistribution** of cell surface receptors on embryonic chick neural retina cells. 023502
Induced **research** on the problem of proteins for human and animal nutrition in France. 023803
Induced susceptibility or *induced* **resistance** as causes of host-parasite specificity [Wheat, stem rust, Puccinia graminis tritici]. 027971
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and *induced* **resistance** against tobacco mosaic virus (TMV). 028276
Requirements for unsaturated fatty acids for the *induction* of **respiration** in Saccharomyces cerevisiae [Yeasts]. 026630
Nature of the stimulus of the *copulation-induced* **rise** in lactic dehydrogenase activity in the rabbit oviduct. 024123
Insect immunity. II. **Simultaneous** *induction* of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373
Occurrence and phenomenon of natural and *fire-induced* **soil** water repellency. 030367
Some physiological and pharmalogical characteristics of the **stimulus** *induced* release of norepinephrine from the rabbit superior cervical ganglion. 023598
Storm *induced* relationships among chemical conditions and phytoplankton [Algae] in Saginaw Bay and western Lake Huron. 026805
Electron microscope studies of reticulated cellular **structures** *induced* by baculoviruses in Lepidoptera. 029265
Induced **susceptibility** or induced resistance as causes of host-parasite specificity [Wheat, stem rust, Puccinia graminis tritici]. 027971
Influence of double infections on the *induction* of **thymidine** kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423
Association of pink albino seedlings with a *radiation-induced* **translocation** of cucumber. 026118
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of **tumor** *induction*. 024867
Auxin: its role in genetic **tumor** *induction* [in Nicotiana suaveolens X Nicotiana langsdorffii]. 026231
Immunochemical studies on **tyrosinase** *induction* in Neurospora [crassa, fungi]. 026551
Frequency of nonsense mutations (amber and ochre) *induced* by **UV** [ultraviolet] light in the ura3 gene in Saccharomyces cerevisiae [Yeasts]. 026222
Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The *induction* of **vitamin** B12 deficiency and its effect on folate levels. 022061
Germination, seedling growth and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) *induced* **water** stress. 026906
X-ray *induced* visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. 029302

INEFFICIENCY

Canine paraphimosis: sequel to *inefficient* **preputial** muscles. 024926

INERTIA

Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an **exothermic** *inert* atmosphere generator. 028981
Inertial **removal** of bell peppers with a vertical snapping motion produced by a double crank mechanism. 030144

INFANCY

Possibilities of a more intensive exploitation of *infantile* **gilts** [Breeding]. 024242
Salmonellosis in a **human** *infant*, a cat, and two parakeets in the same household [Salmonella typhimurium copenhagen]. 024586
The use of habituation in the study of the effects of *infantile* **malnutrition.** 022074
Trends in *infant* **mortality,** North Carolina: 1940 to 1970 [Rural health]. 021129
Relationships of birthweight, maternal nutrition and *infant* **mortality.** 022185
The effect of iodine deficiency on thyroid function in the *infant* **rat.** 022163

INFARCTION

Cerebral *infarction* caused by Dirofilaria immitis in three dogs. 024626
Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats following isoproterenol-induced **myocardial** *infarction* with superimposed diabetes. 022162
Myocardial *infarction* in closed-chest dogs: a simplified method for production. 023467

INFECTION

Conditions of germination of chlamidospores of smut Urocystis leimbachii (Oertel) Liro and the ways of its *infection* of **Adonis** vernalis. 028009
The nature of the *infectious* **agent** of tobacco stunt [virus] in relation to its [fungus] vector, Olpidium brassicae. 027983
The involvement of host-specific toxins in early step of *infection* by **Alternaria** kikuchiana and Alternaria mali [Pears, apples]. 027982
Juvenile hormone titre in the haemolymph of adults of the normal and *infected* **Anacridium** aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of **avian** *infectious* bronchitis virus in chick kidney cells. 024420
The polypeptide composition of **avian** *infectious* bronchitis virus. 024427
Experimental studies on the immunization of **avian** *infectious* bronchitis virus: immunogenicity of the CK [chicken kidney] attenuated virus. 024482
Animal health considerations involved in the movement of U. S. cattle to Haiti *[Infection* with **Babesia,** Anaplasma, and Boophilus ticks]. 024720
A cold precipitable fibrinogen complex in the plasma of cattle dying from *infection* with **Babesia** argentina. 024787
Bacterial *infection/invasion* in fish flesh [and post mortem storage properties of the fish]. 021931
Invasion and development of the cereal cyst-nematode Heterodera avenae in roots of **barley** *infected* by the take-all fungus Gaeumannomyces graminis. 027898
Influence of chloroform evaporation on isolation and *infectivity* of **barley** stripe mosaic virus. 028161
Histopathology of *infection* of **bean** with Pythium myriotylumcompared with infection with other Pythium species. 027918
Variation in susceptibility of stored cabbage tissues to *infection* by **Botrytis** cinerea. 027925
Observations on **bovine** *infectious* keratoconjunctivitis in the Ivory Coast. I. Microbiological aspects. 024640
Report on *infectious* **bovine** rhinotracheitis in Ethiopia. Preliminary serological survey. 024642
Antibody survey of *infectious* **bovine** rhinotracheitis (IBR) virus in Korean native cattle. 024685
Stability of *infectious* **bovine** rhinotracheitis virus and it's immunity in Korean native calves. 024690
Isolation of IBR *[infectious* **bovine** rhinotracheitis] virus from a heifer with meningoencephalitis. 024706
The influence of Nematospiroides dubius on subsequent Nippostrongylus **brasiliensis** *infections* in mice. 024665
Growth of **broadbeans** *infected* by Botrytis fabae [Chocolate spot]. 027992
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral **egg** transmission by *reovirus-infected* **broiler** breeders. 024439
Field surveys on coccidial [Eimeria] *infection* in **broilers** in Japan—results obtained in autumn and winter and summarized in 1973. 024631
Preliminary vaccination trials with Mathura strain of *infectious* **bronchitis** virus of poultry. 024551
Pathology of chronic Trypanosoma **brucei** *infection* in the rabbit. 024803
Brucella *infections* in Illinois veterinarians [Brucellosis]. 024581
The role of the *infectious* **bursal** agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and gangrenous dermatitis [Broilers]. 024451
Infectious **bursal** agent of chickens reduces the incidence of lymphoid leukosis. 024456
Specific B lymphocyte suppression by *infectious* **bursal** agent (Gumboro disease virus) in chickens. 024516
An outbreak of *infectious* **bursal** disease (IBD) of chickens in Nigeria. 024751
Observations on **cattle** *infectious* keratoconjunctivitis in Ivory Coast. II. Study of the ophthalmotropic lepidoptera as vector. 024641
Scanning electron microscopy of the duodenal mucosa of **chickens** *infected* with Eimeria acervulina. 024664
Equine piroplasmosis: leukocytic response to Babesia equi (Laveran, 1901) *infection* in **Chile** [Horses]. 024475
An attempt to determine the resistance of poplars to *infection* by **Chondroplea** populea (Sacc. Kleb.)=Dothichiza populea Sacc. et Briard) [canker] on the basis of the. 027886
Enterotoxaemia Escherichia **coli** *infection* in swine: herd resistance as related to environment. 024577
Experiences with immune prophylaxis of **coli** *infections* of calves. 024726
Studies with Fusarium *[roseum]-infected* **corn** [Swine, feed toxicity]. 023070
Studies on the *infection* with **cowpea** mosaic virus. 028243
Electron microscopy of *virus-infected* **cultivated** mushroom and of an ascomycete fungus. 028238
Bacterial behaviour in the rhizosphere of Pinus **densiflora** *infected* by Tricholoma matsutake. 027318
Overwintering, sources of *infection* and **development** cycle of Phytophthora infestans (Mont.) de By. [Late blight of potatoes]. 028017
Gumboro disease in Thailand [Poultry, *infectious* **disease].** 024672
Dealing with anthrax [Livestock, *infectious* **diseases].** 024667
Infectious **diseases** of the intestinal tract: the secret of coccidiosis is further revealed [Sarcocystis fusiformis, cats, dogs]. 024745
Influence of **double** *infections* on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423
Dual *infection* of Roundel cherry with ring mottle and European rusty mottle viruses. 028177
Response of chickens with genetically different hemoglobin types to *infection* with **Eimeria** tenella and mechanical bleeding [Chickens]. 024448
An outbreak of **equine** *infectious* anemia in the Himeji Race Track and its control. 024484
Purification and study of the antigens of **equine** *infectious* anemia virus produced in vivo or in cell culture. 024495
Transmission of **equine** *infectious* anemia virus by Tabanus fuscicostatus. 024587
Equine *infectious* anemia—current research findings. 024721
Geographical and herd distribution of **equine** *infectious* anemia in Texas (1974). 024722
Equine *infectious* anemia: a new model of persistent virus infection [Horses]. 024842
Susceptibility of apricot tree pruning wounds to *infection* by **Eutypa** armeniacae [Cytosporina dieback]. 028062
Coccidiosis in broilers: evaluation of *infection* by the **examination** of broiler house litter for oocysts. 024455
Swinepox, virus isolation, **experimental** *infections* and the differentiation from Vaccinia virus infections. 024425
The response of chickens to **experimental** *infection* 'in ovo' with Mycoplasma synoviae. 024460
Experimental *infection* of pigs with porcine parvovirus. 024488
An in vitro study on lymphocyte-mediated immunity in mice **experimentally** *infected* with Toxoplasma gondii. 024625
An **eye** *infection* in laboratory mice associated with Pasteurella pneumotropica. 024636
Strobilocercus **fasciolaris** *infection* in the liver of albino mice (Swiss mice) used as experimental animal. 024599
Pathogenesis of **fetal** *infection* in ruminants [Cattle]. 024470
Regulation of sugar transport in chick embryo **fibroblasts** *infected* with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
Significance of serum pepsinogen and abomasal pH [hydrogenion concentration] levels in a **field** *infection* of Ostertagia circumcincta in lambs. 024755
The effects of Penicillium waksmani growth on American **foulbrood** *infected* combs and adult honeybee activity [Apis mellifera, Bacillus larvae]. 029842
Systemic **fungal** *infections* in pets. 024679
The effects of ulravolet irradiation on a Baculovirus [nuclear polyhedrosis virus] *infecting* **Galleria** mellonella. 029430
The pathogenesis and control of strongyle [Strongylus vulgaris] *infection* in the **horse.** 024617
Antibodies against Venezuelan equine encephalomyelitis virus in accidental **human** *infections* in Argentina. 024527
Seroepizootiological studies on the importance of parainfluenza 2 *infection* in **kennel** cough in Germany [Dogs]. 024804
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] **larvae** *infected* by nuclear polyhedrosis virus. 029796
Effects of early and **late** *infectious* of BYDV (barley yellow dwarf virus) on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. 028230
Latent *infection* of Toxoplasma in swine. 024632
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of **litter** *infected* with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Environmental factors affecting brown-spot [Scirrhia acicola] *infection* on **longleaf** pine [Pinus palustris]. 028053
Effect of mode of *infection* on **manifestation** of symptom and oocyst production in chicken coccidiosis. II. Mixed infection with Eimeria acervulina and Eimeria tenella. 024621
Problem of *infectious* **mastitis** [in cows]. 024510
Effect of drying off [cattle] practices on **mastitis** *infection*. 024596
Experimental studies on "larva migrans". I. Transition of blood picture in **mice** *infected* with Toxocara canis larvae. 024622
Observations on "late onset disease" and tumor incidence in different strains of laboratory **mice** *infected* congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different strains of laboratory **mice** *infected* congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. 024802
Effect of mode of infection on manifestation of symptom and oocyst production in chicken coccidiosis. II. **Mixed** *infection* with Eimeria acervulina and Eimeria tenella. 024621
Mixed *infection* with Paragonimus miyazakii and other species in an experimental host [Dogs, cats, rats]. 024623

Experimental fascioliasis in monkeys. I. Parasitological, clinical and pathological observations on **monkeys** *infected* with the "Japanese species" of Fasciola. 024629
Role of lymphocytes in **mycotic** *infections* [of animals]. 024540
Pathogenicity for several laboratory animals of Toxoplasma oocysts originated from **naturally** *infected* cats. 024656
Increased susceptibility of Easter lilies to Pythium root rot as a result of *infection* by **necrotic** fleck virus complex. 027880
Septoria **nodorum** *infection* of wheat in New Zealand. 027872
Effect of a **non-localized** *infection* by southern bean mosaic virus on a cell wall glycoprotein from bean leaves. 028260
Pathological *infection* of Thoroughbred horses with Gastrodiscus aegyptiacus. 024616
Distribution and *infection* **period** of Phaeocryptopus gaeumannii [Pseudotsuga menziesii] in New Zealand. 028037
Studies on lignin formation in fungus [Alternaria japonica, **Peronospora** *parasitica]-infected* plants. 027904
Micro-autoradiographic studies on host-parasite interactions. I. The *infection* of **Phaseolus** vulgaris [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. 027908
Swine physiopathology: Prophylaxis and treatment of *[infectious]* **piglet** diseases. 2. [Vaccination]. 024710
Bacillus **piliformis** *infection* (Tyzzer's disease) in two foals. 024580
Relation between percent of *infection* of **plants** and heads as criterion for evaluation of susceptibility of barley to Ustilago nuda (Jens.) Rostr. 027960
Stimulation and inhibition reactions in [pea] **plants** *infected* by Corynebacterium fascians (Tilford) Dowson. 028144
Photodynamic inactivation of virion-associated RNA transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on *infected* **plants.** 028242
Genetic studies on mechanisms influencing the susceptibility of anopheline mosquitoes to **plasmodial** *infection* [Plasmodium gallinaceum, Anopheles stephensi]. 029044
Roll of starvation factor in **pneumomycosis** *infection* in birds [Poultry]. 024557
Ascospore discharge in Drepanopeziza punctiformis in relation to *infection* of some **poplar** [Populus] clones. 027951
Study of the *infection* **process** by wheat rust using luminescent microscopy. 028024
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and *infection* by **Puccinia** chondrillina Bubak & Syd. [Biological control]. 028496
Histopathology of infection of bean with Pythium myriotylumcompared with *infection* with other **Pythium** species. 027918
Experimental herpetic [Herpesvirus hominis] *infection* in **rabbits** combined with immunodepression. 024405
Effect of cyclophosphamide on **rabies** *infection* in mice. Protection given by serotherapy. 024494
Abortive rabies in rabbits and white **rats** *infected* intracerebrally. 024418
Adenovirus **respiratory** *infection* in turkey poults. 024435
Some characteristics of *infectious* **RNA** from potato virus Y. 022209
A study of outbreaks of Aujeszky's disease in cattle. II. Further investigations on the **routes** of *infection.* 024397
Infectious **[Scrapie]** etiology of neuritic (senile) plaques in mice. 024717
Skeletal muscle, liver and wool protein synthesis by **sheep** *infected* by the nematode trichostrongylus colubriformis. 024429
The status of Crumenula **sororia** *infections* in crops of Corsican pine [Pinus nigra maritima]. 027953
Effects of KCl [potassium vhloride] on the growth of *pre-infective* **stage** of Dictyocaulus viviparus larvae. 024487
Effect of temperature, light, and dew duration on relative numbers of *infection* **structures** of Puccinia coronata avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. 028052
Further studies on the occurrence of antibodies against C-type virus specific antigen in sera of cattle from *leucosis-infected,* **suspicious** and unsuspicious herds. 024797
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following **systemic** *infection* with tobacco mosaic virus. 028258
Edwardsiella **tarda** *infections* in Florida raccoons, Procyon lotor. 024408
Interaction of aflatoxin with Eimeria **tenella** *infection* andmonensin in young broiler chickens. 024442
Infectious **tenosynovitis** (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. 024439
Apple proliferation [virus] disease in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in *infected* **tissue.** 028170
Influence of age on the serological response of chickens to Salmonella **typhimurium** *infection.* 024440
An outbreak of Salmonella **typhimurium** *infection* in a farm of dairy-breed male calves. 024483
Inhibitors of **viral** *infection* in sap from pea, broadbean and lucerne plants. 028223
Multiple **viral** *infections* of insect cells and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, biological control]. 028653
Testing and management of a specific pathogen free chicken flock with special reference to avian leukosis **virus** *infections.* 024400
Swinepox, virus isolation, experimental infections and the differentiation from Vaccinia **virus** *infections.* 024425
Equine infectious anemia: a new model of persistent **virus** *infection* [Horses]. 024842
Crop reduction in pear trees caused by **virus** *infection.* 028174
Growth response to latent **virus** *infection* of apple trees on seedling rootstocks. 028180
Results and application of a survey of **virus** *infection* in Narcissus stocks in Scotland. 028194
Cytoplasmic inclusions in yellowing parsley leaves [presumably due to a **virus** *infection].* 028212
Cytology of carnation streak **virus** *infection* [isolated from Silene armeria]. 028225
Virus *infection* of potato seed stocks [by Myzus persicae] in Ontario under commercial insect-control practices. 028232
Effect of a new antiviral substance produced by Streptomyces rameus on plant **virus** *infection,* its foliar absorption andproperties [Tobacco]. 028237
Detection on nuclear polyhedrosis **virus** *infection* in Heliothis spp. by agar gell double diffusion. 029423
Growth, yield, and fruit quality of *virus-infected* and **virus-free** Golden Delicious apple trees. 028181
The predominance of Trypanosoma **vivax** *infections* of cattle at a distance from savannah tsetse [Glossina] concentration. 024742
Relation between ectodesmata and *infection* of **wheat** leaves by wheat streak mosaic virus. 028163
Operative care of *infected* **wounds** with an exchange suture [Dogs]. 024363

INFERTILITY *see* FERTILITY

INFESTATION

Preliminary attempts to reduce root knot nematode [Meloidogyne hapla] *infestations* on **Chinese** gooseberry roots. 028424
A new species of Amorphoidea [coimbatorensis] (Curculionidae, Coleoptera) *infesting* **coconut** inflorescence. 029557
The economic threshold of *infestation* for the **cotton** bollworms [Pectinophora gossypiella, Earias insulana] on yield in Egypt. 028801
Trials to induce an acquired immunity against *infestation* by **Fasciola** gigantica [Cattle]. 024644
Host resistance to cattle tick (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four *infestations* with 20,000 **larvae.** 028999
Pathogenicity for cattle of Dictyocaulus filaria, the pathogen of **lungworm** *infestation* in sheep. 024772
The spread of potato blight, **Phytophthora** *infestans* (Mont.) de Bary, as influenced by sprinkler irrigation. 027909
Mechanism of the hypersensitive cell-death in host-parasite interaction [Potatoes, **Phytophthora** *infestans].* 027972
Overwintering, sources of infection and development cycle of **Phytophthora** *infestans* (Mont.) de By. [Late blight of potatoes]. 028017
The status of "tomato" races of **Phytophthora** *infestans* [Late blight]. 028031
Ontogenetic predisposition of tomato foliage to race O of **Phytophthora** *infestans* [Late blight]. 028058
Angoumois grain moth [Sitotroga cerealella]: chemical control of *infestation* in **shelled** corn. 028979
Systemic *infestation* by cucumber mosaic virus on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Field and laboratory techniques for evaluating hemlock sawfly [Neodiprion tsugae] *infestations* **[Tsuga].** 028961
Catalogue of species of **weeds** *infesting* cultivated areas in Brazil—annual **grasses.** 028499

INFILTRATION

Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after *infiltration* of **alpha-ketoglutarate** and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
Influence of surface treatment of selected subsoil materials on *infiltration* and **erosion.** 030615
Infiltration, **evaporation,** and water movement as related to water repellency [Soils]. 030366
Factors **influencing** *infiltration* and sediment production of semiarid rangelands in Nevada. 027566
Measurement of hydraulic conductivity and diffusivity for predicting the process of soil **water** *infiltration* from a trickle source. 030386

INFLAMMABILITY

Surface *flammability* of fireproofing plywood in the 8-foot tunnel furnace. 3. 021932

INFLAMMATION

Biological active principles of the crude drugs. II. Antiulcerogenic and *anti-inflammatory* **actions** of the crude drugs contained saponin [isolated from Aesculus turbinata]. 026654
Some histochemical aspects of the carrageenin **induced** *inflammation* [Rats]. 024814
Release of prostaglandin-like substances by Shigella endotoxin and its inhibition by **non-steroidal** *anti-inflammatory* compounds [Rabbits]. 024472
Characteristic features of actinomycin D-induced **paw** *inflammation* of the rat. 024311

INFLATION

An *inflated* **plastics** roof for a multispan greenhouse. 029870
The energy balance of an *air-inflated* **polyethylene** greenhouse. 029889

INFLORESCENCE

A new species of Amorphoidea [coimbatorensis] (Curculionidae, Coleoptera) infesting **coconut** *inflorescence.* 029557
Close relationships in sheath function during *inflorescence* and **flowering** [Peperomia caperata, Piper brevipedunculatum, Leucaena latisiliqua]. 026421
Contributions to the morphology and systematics of Klugieaeand Loxonieae (Gesneriaceae). I. Shoot and *inflorescence* **organization** of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. 025952

INFLUENZA

Demonstration of **avian** *influenza-A* virus in Iran by immunodiffusion technique. 024436
Sero-epidemiological study on **equine** *influenza* in Japan. 024594
Seroepizootiological studies on the importance of *parainfluenza* 2 **infection** in kennel cough in Germany [Dogs]. 024804
Immunoglobulins, antibodies and inhibitors of *parainfluenza* 3 **virus** in respiratory secretions of sheep. 024422
Plaque assay and primary isolation of *influenza* A **viruses** in an established line of canine kidney cells (MDCK) in the presence of trypsin. 024786

INFORMATION

Contact of extension officers with different sources of **agricultural** *information* in West Bengal. 021106
Study of **agricultural** *information* and data systems in Central America. I. 021131
Study of **agricultural** *information* and data systems in Central America. II. Annexes. 021132
Presenting **beef** *information* [use of artificial insemination in beef cattle, progeny test]. 024169
Analysis of scientific activity in veterinary medicine from 1972 to 1974 in German-speaking areas based on title **bibliography** *information* service in veterinary medicine. 024362
Where do customers feel they get reliable plant **care** *information?* 027702
Information from the **cultivation** of Czechoslovak and foreign soybean varieties. 027541
Information **gain** in Kisan Mela [Farmers' fair]. 021111
General *information* on agricultural equipment and agriculture. 030020
Utilization of production and **marketing** *information* by Maine potato producers. 021474
Morphogenesis in the slime mold Dictyostelium discoideum. 1. The accumulation and erasure of **"morphogenetic** *information.* 026535
Additional **new** *information* on Yunnan reticulatas from China [Camellia, varieties]. 027663
The Food and **Nutrition** *Information* Center. 022283
Potato harvesting and storage: results and *information* on the **operation** of the E684 digger and loader and the E691 stationary automatic separator [East Germany]. 030009
Automatic acquisition of **primary** *information* about the consumption of fuels. 029897
Sampling milk and **reporting** *information* for DHIA [Dairy Herd Improvement Association] Tests. 022556
Bibliographical series. *Information* **supplement** no. 1 to 60. Author and subject indexes [Agriculture]. 021142
Inclusion of the *information* **system** for farms into the concepts of the system theory. 021072
Information **trips** to the institutes in Freiburg, Hohenheim, Oberursel and Kirchhain [Apiculture, research programs]. 029849
Content analysis of farm telecast and **viewer's** *information* need. 021107

INFRARED

Infrared **color** photomicrography of soil microorganisms. 030189
Piglets reared from **gas** *infrared* rays. 029926
Determination of the fat content of milk by means of the photometric methods. II. *Infrared* **method.** 022637
Determination of the fat, protein and lactose content of 10day preserved milk samples by means of the *infrared* **milk** analyzer (IRMA). 022636
Study of orange essential oils. I. Analysis by *infrared* **spectroscopy.** 022881

INFUSION

Renal responses of the hypophysectomized rat to *infusions* of **bovine** growth hormone. 023520
THe effect of **glucose** *infusion* on the plasma free amino acids in sheep. 023707
The use of prostaglandin F2alpha given by either **intrauterine** *infusion* or by intramuscular injection for the control ofoestrus and ovulation in cattle. 024011
Effect of **intravenous** *infusion* of artificial saliva on changes in acid-base status of sheep during eating. 023573
Effect of energy sources on plasma insulin and nitrogen metabolism in sheep totally **nourished** by *infusions.* 023760
Changes in renal hemodynamics and sodium excretion during **saline** *infusion* in lambs. 023180
Acute effect of hypophysectomy on the natriuresis following **saline** *infusion* in dogs. 023405

INGESTION

Effects of different systems of alfalfa preservation on the *ingestion*, **digestibility** and passage speed of feed residues in adult sheep. 023919
Nicotinic acid intoxication after *ingestion* of **minced** meat. 021968
Cannibalism as an indication of pollen insufficiency in honeybees [Apis mellifera]: *ingestion* or **recapping** of manually exposed pupae. 029805

INGREDIENTS

Relationships between fatty acid composition of lamb fat and **dietary** *ingredients*. 022670
Mercury analyses of Michigan corn [Swine **feed** *ingredient*]. 023069

INHABITANTS

A thousand swine per *inhabitant* [**Barns**]. 029917

INHABITING

Comparative cellulolytic ability of some *litter-inhabiting* **fungi**. 030304
Studies in Antarctic lichens. III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the Antarctic and *moss-inhabiting* **species** of Rinodina from other parts of the world. 025755

INHALATION

Fate of fluorocarbons in the dog and **rabbit** after *inhalation*. 023663

INHERITANCE

Anthocyanin *inheritance* in petals of flax, Linum usitatissimum. 026230
The *inheritance* of **cabbage** resistance to speck necrosis. 028438
Evolution in the genus Avena: *inheritance* of different **forms** of ribulose diphosphate carboxylase [Oats]. 026121
Inheritance of **gall** midge (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. 028719
Inheritance of **grain** yield and its components in two crosses of rice (Oryza sativa L.). 026237
Inherited **partial** sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Effect of social stress and *inherited* **plasma** corticosterone levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. 029031
Inheritance of **quantitative** traits in maize according to diallelic crosses. 026168
The nature and taxonomic significance of the system of *inheritance* in **Rosa** nanothamnus (Rosaceae). 026097
Study of the *inheritance* of **sedimentation** indicator of soft winter wheat. 026262
Analysis of *inheritance* of the **sensitivity** of yeast [Saccharomyces cerevisiae] to radiation and nitrous acid. 026283
Genic balance, heterozygosity and *inheritance* of **size** of testes in diploid drone honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
The *inheritance* of **three** mechanisms of diplandroid (2n pollen) formation in diploid potatoes. 026164

INHIBITION

Inhibitory **action** of five tannins on growth induced by several gibberellins [in peas]. 027273
Inhibitory **action** of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Auxin-synthesis *inhibition* by abscisic acid, and its reversal by gibberellic acid [Avena]. 026872
The effectiveness of certain commercial **bacteriophage** *inhibiting* media [Streptococcus, dairy product starters, cultures, contamination]. 022640
14C [carbon isotope] incorporation in **chloramphenicol** *inhibited* growth and its reversal by riboflavin in green gram [Mung beans]. 027164
Inhibition of **chlorophyll** synthesis in Lemna minor by nalidixic acid. 026446
Inhibited **development** of Cooperia punctata and Cooperia pectinata larvae in Zebu cattle of Niger. 024639
Inhibited **development** in Haemonchus contortus [Lambs]. 024663
Inhibitory **effect** of alkylarylsulfones on the swarming of Proteus bacteria [Meat contamination]. 021842
Phytotoxic substances contained in sawdust *[inhibitory* **effect** on the growth of wheat]. 028409
The *inhibiting* **effect** of tris (1-aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). 028997
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on *inhibition;* **effective** site of topical application on oviposited olives. 028837
The effects of glucagon on the hepatic arterial vasculature of the dog: an *inhibition* of the **effects** of vasoconstrictor agents. 023332
Enzyme *inhibition* by polyphenols of sorghum grain and malt. 022508
Growth regulation by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming **ethylene** *inhibition* of spore germination. 026355
The *inhibition* of **flowering** by abscisic acid in Sinapis alba L. 026865
Microbes from soybeans. *Inhibition* of **growth** by lipoxygenase isoenzyme. 022848
Field studies on *inhibition* of **Haemonchus** contortus in sheep. 024662
Distribution of the **hemagglutination** *inhibition* antibodies against porcine parvovirus among swine. 024686
The release of pancreatic glucagon and *inhibition* of **insulin** in response to stimulation of the sympathetic innervation [Dogs, cats, sheep]. 023556
Mechanism of **KCN** *inhibition* of photosystem I [Spinach]. 027191
Inhibition of **larval** growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
Mechanical *inhibition* of hypocotyl elongation induces radial enlargement [in soybean seedlings]; implications for cytokinin action. 027024
Metabolic *inhibition* and adrenoceptor interconversion [Rabbits]. 023262
A leukocyte **migration** *inhibition* assay technique using blood clot fragments in vitro [Guinea pigs, immunization]. 023397
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during *inhibition* of **mitochondrial** protein synthesis by erythromycin and chloramphenicol. 026647
Muscarinic *inhibition* of potassium-induced noradrenaline release and its dependence on the calcium concentration [Rabbits]. 023595
Evaluation of ascorbyl monoesters for the *inhibition* of **nitrosopyrrolidine** formation in a model system [simulating bacon]. 022680
Release of prostaglandin-like substances by Shigella endotoxin and its *inhibition* by **non-steroidal** anti-inflammatory compounds [Rabbits]. 024472
Studies on the oxidative catalytic activity of vitamin B12. VIII. *Inhibition* of **papain** by vitamin B12 in the presence of thiol compounds. 022212
Effects of B995 application on double cosmos (Cosmos bipinnatus) with special reference to the *inhibition* of **peduncle** elongation. 027145
Inhibition of **phosphate** uptake in barley roots by hydroxy-benzoic acids. 027008
Inhibition of **phosphoenolpyruvate** carboxylase from C4 [carbon] plants by malate and aspartate [Digitaria sanguinalis]. 026447
Estimation of ethylene produced by pea (Pisum sativum L.) **plants** *inhibited* with auxin and treated with cytokinin. 027126
Stimulation and *inhibition* **reactions** in [pea] plants infected by Corynebacterium fascians (Tilford) Dowson. 028144
Volatile phytotoxic substances formed by litter of Pinus radiata *[inhibiting* **seedling** growth of white clover and Lolium perenne]. 028397
Selective *inhibition* of the facilitated mode of sugar uptake by cytochalasin B in cultured chick fibroblasts. 023401
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. **Specific** *inhibition* of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514
Specific *inhibition* of sclerotium formation by 2-mercaptoethanol and related sulfhydryl compounds in Sclerotium rolfsii[Fungi]. 026456
Irradiation treatment for **sprout** *inhibition* in potatoes: prospects for application in Belgium. 022908
United States potentials and problems for insect disinfestation of wheat and **sprout** *inhibition* of potatoes by irradiation. 028743
Inhibition of **thermal** tachypnoea in rabbits following exposure to cold and water deprivation. 023550
Changes in **trypsin** *inhibitory* activity in soybean varieties during maturation and germination. 021921
Vasomotor *inhibition* in rabbits by vagal nonmedullated fibers from cardiopulmonary area. 023228
Preparation of Newcastle disease **virus** *hemagglutination-inhibition* test antigen [Chickens]. 024446
Studies on the oxidative catalytic activity of vitamin B12. IX. *Inhibition* of **yeast** alcohol dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213

INHIBITORS

Effects of an **angiotensin** *inhibitor* on adrenocortical response to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, potassium, dogs]. 023206
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and **application** of *inhibitors*. 029507
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to **chemical** *inhibitors*. 027053
The trypsin and **chymotrypsin** *inhibitors* in chick peas (Cicer arietinum L.). Purification and properties of the inhibitors. 027172
Effects of insect **developmental** *inhibitors* on adult emergence of black flies [Simulium verecundum] (Diptera: Simuliidae. II. 029002
Comparison of sex pheromone versus an *inhibitor* for **disruption** of pheromone communication in Rhyacionia buoliana [Pinus sylvestris]. 028931
Endogenous *inhibitor* of carboxypeptidase A from goat pancreas. 023436
Endogenous *inhibitor* of carboxypeptidase A from goat pancreas. 023437
Betel nut [Areca catechu] constituents as *inhibitors* of **gamma-aminobutyric** acid uptake. 022526
Some developments in research on plant **growth** *inhibitors*. 026815
Reaction of interruption of darkness by light and **growth** *inhibitors* [Tobacco]. 026950
Comparison of isomers of fluorophenylalanine as *inhibitors* of **ion** transport across barley roots. 026901
New *inhibitors* of methane production by rumen micro-organisms. Development and testing of inhibitors in vitro [Sheep]. 023317
New *inhibitors* of methane production by rumen micro-organisms. Experiments with animals and other practical possibilities [Sheep]. 023318
Immunoglobulins, antibodies and *inhibitors* of **parainfluenza** 3 virus in respiratory secretions of sheep. 024422
Piperonyl butoxide, a **potent** *inhibitor* of potato spindle tuber viroid in Scopolia sinensis. 028228
Inhibitors **produced** by algae as an ecological factor affecting bacteria in water ecosystems. I. Dependence between phytoplankton and bacteria development. 025854
Studies on the properties and mode of action of a *protease-inhibitor* **produced** during development of Agrostemma githago embryos. 026412
The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L.). Purification and **properties** of the *inhibitors*. 027172
Development of self-incompatibility in Petunia [hybrida] using *inhibitors* of **protein** and nucleic acid metabolism. 027168
Effects of some *inhibitors* on **respiration** and germination of Bidens radiata achenes. 026698
Peptide hydrogen exchange rates in Streptomyces **subtilisin** *inhibitor*. A study by proton magnetic resonance [Yeasts]. 026411
Antioxidant function of tocopherol and possibility of replacing it by **synthetic** *inhibitors* [Chemistry]. 022214
Auxin **transport** *inhibitors* fluorescein and related compounds [Kidney beans]. 027260
Interaction of trypsin with **trypsin** *inhibitor* from cow colostrum [Cattle, biochemistry]. 023309
Inhibitors of **viral** infection in sap from pea, broadbean and lucerne plants. 028223
New inhibitors of methane production by rumen micro-organisms. Development and testing of *inhibitors* in **vitro** [Sheep]. 023317

INJECTION

Effect of energy on LH [luteinizing hormone] response to consecutive Gn-RH [gonadotrophin releasing hormone] *injections* [**cattle**]. 024194
Advice on local disinfection by *injection* of **cattle**. 024725
Effect of magnesium deficiency on responsiveness to 1-25 **dihydroxycholecalciferol** *injection* in vitamin D deficient rats. 022063
An improved apparatus for *pressure-injecting* **fluid** into trees. 025254
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after **intramuscular** *injection* of [4-14C] [carbon isotope] estrone. 023356
The use of prostaglandin F2alpha given by either intrauterine infusion or by **intramuscular** *injection* for the control ofoestrus and ovulation in cattle. 024011
Effects of **intra-uterine** *injection* of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral blood plasma of the cow [Cattle]. 024138
Milk secretory response of the conscious lactating rat following **intravenous** *injections* of rat prolactin. 023510
Estrus control in gilts with **norethandrolone** *injections* and an analogue of prostaglandins (ICI 80996). 023983
Alteration of egg diapause in Bombyx mori by **ouabain** *injected* into diapause egg producers. 029835
Subcutaneous *injections* of raw egg white into growing pigs [Nutrition]. 023901

INJURY

Advanced coronary atherosclerosis in swine produced by combination of **balloon-catheter** *injury* and cholesterol feeding. 024837
Orthopaedic disease affecting the pelvic region of the **cat** *[Injuries]*. 024977
Overwintering structures in Connecticut for nursery stock. I. The plant response [**Cold** *injuries]*. 028352
Protecting shade trees during home **construction** *[Injuries]*. 028369
A regional analysis of *injury* to **deciduous** fruit trees by the freeze of December, 1972. 028340
Development of liquid manure flora and its causes in the formation of plant species (use of root test to **determine** *injuries* from liquid manure) [Forage plants]. 028334
Histological responses of Japanese red pine [Pinus densiflora] needles exposed to sulfur **dioxide** *[Injury]*. 025037
Drought *injury* and resistance of crop plants. 028370
[Escherichia coli] endotoxin-induced **endothelial** *injury* andrepair. I. Endothelial cell turnover in the aorta of the rabbit. 024520
[Chilling] *injury* in **fruit** [Citrus storage]. 022888
A guide of [insect] pests according to nature of *injuries* [**Fruit**]. 028899
Photosynthetic reduction of nitrite **gas** *injury* to vegetables [Cucumbers, kidney beans]. 028316

Association of sclerotial blight [Sclerotium rolfsii] with Spissistilus festinus **girdling** *injury* on soybean. 028724
Should grapevine shoots be cut off after *injury* from **herbicides**? 028535
Temporary colostomy in the management of rectal tears in the **horse** *[Injuries].* 024974
Aflatoxin production [by Aspergillus flavus] and Lepidopteran **insect** *injury* on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Selection and utilization of Bacillus thuringiensis strainsfor microbial control [of *injurious* **insects**]. 028654
CO2 [carbon dioxide] nutrition of spring cucumbers in the Netherlands [**Leaf** *injury].* 028299
Polyphenol oxidase activity and browning of three avocado varieties [resulting from **mechanical** *injury].* 028385
The effect of white-tailed deer and showshoe hare browsing on trees and shrubs in northern **Minnesota** *[Injuries].* 025060
Report on breeding irradiated begonia varieties resistant to **ozone** *injury.* 026076
Chemical treatment of potatoes in seed plots [**Pesticide** *injuries].* 028455
Phytotoxic action of desmedipham: influence of temperature and light intensity [Sugarbeets, **plant** *injuries].* 028456
The effects of irrigation frequency and cultivars on premature cracking and blossom-end rot of watermelon fruits grown in the Sudan [**Plant** *injuries].* 030632
The changing acidity of precipitation [**Plants,** *injuries].* 028416
Population *injury* levels and sampling of the pear rust mite [Epitrimerus pyri] on pears in southern Oregon. 028871
Effect of deicing salts on woody vegetation along Minnesotaroads; final **report,** 1975 *[Injuries].* 025059
Effect of short duration chilling on the performance of **strawberry** *[Injuries].* 028374
Formaline fixed arterial encasement for experimental tenorrhaphy in bovines [Cattle, **tendon** *injuries].* 024963
Low-temperature-induced cankers and burls *[injuries]* in **test** conifers and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. 025018
Thermal *injury* and recovery of Saccharomyces cerevisiae [Yeast]. 026644
Influence of acute **tissue** *injury* on in vitro incorporation of 6 5 Zn [zinc isotopes] by sheep erythrocytes. 024966
Your tree's **trouble** may be you *[Injuries].* 028318
Injury to **wheat** seeds from Alternaria blight. 028112
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of grape varieties **[Winter** *injury].* 027287
Frequency of occurrence of **winter** *injury* to forage legume, winter cereal and strawberry plants in Prince Edward Island, 1901-1975. 028346

INNOVATION

Become a **foodservice** *innovator!* 022258

INOCULATION

Verification of effect of **bacterial** *inoculation* [of legumes] with the preparation Rizobin [Rhizobium]. 030553
Inoculation of **Basidiomycetes** into mice: tissue reaction and survival of fungi in tissues. 024649
Comparative efficiency of different **commercial** *inoculants* of Rhizobium japonicum on field-grown soybeans [Nodule bacteria]. 030220
Susceptibility of chickens to avian encephalomyelitis virus. I. Clinical observation on **day-old-chicks** *inoculated* by various routes. 024490
Growth of Staphylococcus aureus, **experimentally** *inoculated* in Damietta cheese. 021986
Suppressive effects of antibiotics on **experimentally** *inoculated* Staphylococcus aureus populations on the skin of poultry. 024459
Reduction of apple scab fungus [Venturia inaequalis] *inoculum* with **fungicides.** 028074
Effect of *inoculum* **level** and plant age on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. 028418
A **multiple** *inoculation* technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on agar substrates [Feeds]. 023046
The relation between the shoots of **plants** *inoculated* with [witches' broom] Cornyebacterium fascians [Peas]. 028135
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae [fungus vector] and transmission by **sap** *inoculation.* 028236
In vivo transfer of R factors between Escherichia coli **strains** *inoculated* into the rumen of sheep. 024605
Duration of effects of benomyl on growth and wilt (Verticillium dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to **time** of *inoculation.* 027896

INOPERCULATE *see* **OPERCULUM**

INORGANIC

Optimization of fertilizer doses for topdressing of winter wheat after *inorganic* **analysis** of the plants for 1975. 030552
Relationships between the *inorganic* **colloid** and the parent material of some volcanic ash soils in Miyagi and Iwate prefectures, Japan. 030353
Hormology with *inorganic* **compounds** [Nutritional and toxic effects on man and animals]. 021873
Studies **om** *inorganic* matters in feedstuffs. II. Contents' of calcium and phosphorus in home produced feedstuffs. 023068
Scientific bases for using *inorganic* and **organic** selenium compounds in medicine [Includes human nutrition]. 022219
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the *inorganic* and **organic** composition of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. 030484
Inorganic **phosphorus** fractions of upland soils of Thailand. 030328
Organic and *inorganic* P [**phosphorus**] content, movement and mineralization of P in soil beneath a feedlot [Cattle, manure, disposal]. 030823
Utilization of *inorganic* **sulfur** by growing-finishing pigs. 023904

INOSINE

Studies on the contents of free amino acids, *inosinic* and **lactic** acids in the lean meat from pigs of different body weights at slaughtering. 022647

INOSITOL

The effects of choline and *inositol* on **hepatic** lipid metabolism and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. 024829
Purification of *myo-inositol* **1-phosphate** synthase from rice cell culture by affinity chromatography. 027029

INPUT

New York State energy needs for food production [**Agricultural** *input-output].* 021313
Impact of transportation of **agricultural** *inputs* and products on rural development in the Great Plains. 021573
Energetics *[input-output]* of **agriculture** and food production with special emphasis on the Australian situation. 021252
Global *inputs* and trends of chemical residues in the biosphere. 030879
Analysis of *input* **power** on screw conveyer drive. 029990
The *inputs* **required** to enable farmers to realize the opportunities of the 1980's. 021181
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. **Seed** *input* and output of seedling with seed coat. 025039
Signal *input* for a chemotactic response in the cellular slime mold dictyostelium discoideum. 026814
Productivity of vegetable crops in a region of high **solar** *input.* IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124

INSECTICIDES

Effect of two soil types on *insecticide* **activity** against black beetle [Heteronychus arator] adults [Maize]. 028779
Studies on potential pesticides. VI. Synthesis and *insecticidal* **activity of several new** dithiocarbamates [Musca domestica]. 029017
Contributions to the study of Blattidae. IV. Laboratory experiments on **the efficacy of some** methods of *insecticide* **application** in controlling the species Blattella **germanica** L. 028970
Approaches to **assessing** *insecticide* efficacy in spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae) control programs. 028923
Evaluation [**Carbamate** *insecticides,* residues]. 029126
Control of a looper, Lambdina atbasaria atbasaria, on hemlock [Tsuga canadensis] with three **chemical** *insecticides* [Carbaryl, trichlorphon, acephate]. 028944
Evaluation of some *insecticidal* **combination** against sucking pests [aphids, mites] of cotton through aerial spraying. 028718
Evaluation of some *insecticides* for **control** of green bug [Coccus viridis] on coffee. 028661
Evaluation of Bacillus thuringiensis Berliner and *insecticides* in the **control** of larvae of Maculella spp. (Lepidoptera, Hepialidae) in pastures. 028702
Study on timing application of some *insecticides* for **control** of bean fly **(Melanagromyza** phaseoli Coq.). 028888
Laboratory non-thermal aerosol tests of *insecticides* for the **control** of adult mosquitoes **[Aedes** taeniorhynchus, Culex nigripalpus]. 029049
Cyclodiene *insecticides* [Residues]. 029119
1974 evaluation of candidate pesticides. *Insecticides:* **deciduous** fruit trees. 028877
Heptachlor and dieldrin *[insecticides]* **disappearance** from a field soil measured by annual residue determinations. 029109
Compatibility of *insecticides* and a **disinfectant** [Stomoxys calcitrans, Musca domestica, Fannia canicularis, control]. 029024
Efficacy of *insecticides* and **dosage** rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and pea aphid [Acyrthosiphon pisum]. 028663
A new method of sampling ULV [ultra low volume] **droplets** *[Insecticides].* 028671
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and *insecticidal* **effects** [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Combined utilization of *insecticides* and **fertilizers** [in cotton growing]. 028761
The development of agricltural antibiotics in Japan [Plant regulators, herbicides, *insecticides,* **fungicides].** 026596
Formulations for seed treatment **[Fungicides,** *insecticides].* 029180
A comparison of the effectiveness of *insecticides* against **glasshouse** whitefly (Trialeurodes vaporariorum). 028813
Toxic effects of diazinon *[insecticide]* on the **gonads** of fowls. 025008
Occurrence of chlorinated **hydrocarbon** *insecticides,* southern Florida—1968-72. 029150
Relative toxicity of some **important** *insecticides* to the adults of lacewing bur Urentius echinus Distant (Heteroptera: Tingidae) (Eggplant pests). 028846
Blacklight lamp provides alternatives to *insecticides* **[Laspeyresia** caryana, pecan pest control]. 028882
Effect of small doses of *insecticide* on the **liver** of chicks. 025006
Persistence of endosulfan *[insecticide]* on **"moong"** [mung beans] and **"arhar"** [Pigeonpeas] crops. 028845
Resistence of phorate *[insecticides]* on **'muung'** [mungo beans] and 'arhar' [mung beans] crops. 028847
Effect of the **new** *insecticide* PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, Coccinellidae) and Leptinotarsa decemlineata Say. (Coleoptera, Chrysomelidae). 028689
Effect of the **new** *insecticide* PDD 60-40 on nymphs and adults of the cabbage bug Eurydema oleraceum L. (Heteroptera, Pentatomidae). 028898
Contact, residue, and vapor toxicity of **new** *insecticides* to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987
Controlling cockroaches [Blattidae] without synthetic **organic** *insecticides.* 028986
Human pesticide poisonings by a fat-soluble **organophosphate** *insecticide.* 029081
The mass diffusion of three **organophosphate** *insecticides* into a range of New Zealand soils. 029160
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for **organo-phosphorous** *insecticide* poisoning, men and experimental animals]. 029087
Control of lucerne stem nematode [Ditylenchus dipsaci] withCGA 12223 [Systemic **organophosphorus** *insecticides].* 028423
Control of white-fringed weevil [Graphognathus leucoloma] adults with *insecticides* **[pests** of pastures and lucerne]. 028776
Insecticide **recommendations** and spray calendar for shade trees and woody ornamentals. 028834
Use of *insecticides* on **red** clover seed plants [Apion apricans, control]. 028796
Insecticide **residues** in the Tuttle Creek Reservoir ecosystem, Kansas—1970-71. 029149
1974 Evaluation of candidate pesticides. *Insecticides:* **rice.** 028759
Insecticide **screening** trials against black beetle [Heteronychus arator, pastures, maize]. 028781
The effectiveness of *insecticides* **seed** dressings against soldier fly [Inopus rubriceps] larvae [Lolium perenne]. 028785
Effectiveness of carbofuran *[insecticide]* as **seed** treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Transport mechanism in soil. Metabolism and movement of *insecticides* from **soils** into water and crop plants. 030330
Small plot tests of *insecticidal* **sprays** for bollworm-budworm [Heliothis zea-Heliothis virescens] control on cotton. 028713
Effectiveness of *insecticidal* **sprays** against grapevine cicadellid, Arboridia (Arborifera) viniferata Sohi and Sandhu in the Punjab, India. 028862
Responses of four orange varieties to certain petroleum oils [used as *insecticidal* **sprays]** in Texas. 028872
A method for systematic screening of *insecticide* **substances** in fungi of the class Fungi imperfecti. 026415
Aldrin and dieldrin uptake in *insecticide-resistant* and **susceptible** mosquitofish (Gambusia affinis). 029085
Endrin uptake in *insecticide-resistant* and **susceptible** mosquitofish (Gambusia affinis). 029107
Centromeric sensitivity of mouse chromosomes to the **systemic** *insecticide* dimethoate (Rogor). 024949
Metabolism of **[systemic** *insecticide]* thiofanox in cotton plants [Residues]. 029110
Preliminary field trials with Bacillus **thuringiensis-chemical** *insecticide* combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and lipid peroxidation in young growing rats during the **treatment** of *insecticides.* 024944
Increases of Heliothis spp. In cotton under various *insecticide* **treatment** regimes. 028733
1974 evaluation of candidate pesticides. *Insecticides:* **upland** [horticultural] crops. 028876
Multiple viral infections of insect cells and host pathogenesis: multicomponent **viral** *insecticides* [Galleria mellonella, biological control]. 028653

INSECTS

Biochemical aspects of juvenile hormone **action** in *insects.* 029202

Production of threitol and sorbitol by an **adult** *insect* [Upis ceramboides]: association with freezing tolerance. 029460
Tetranactin, a pesticidal antibiotic [Control of *insect* **andmite** pests of plants]. 028373
Cannibalism in natural populations *[Insects,* **animals**]. 029231
Insect **antennae** with special reference to the mechanism of scent detection and the evolution of the sensilla. 029386
Insect **antifeeding** substances in plant leaves. 028679
Notes on the fixation methods of **apterygota** *insects* for electron microscopy. 029445
Protein and energy utilization by the *insect,* **Argyrotaenia** velutinana (Walker), fed diets containing graded levels of an amino acid mixture. 029313
A note on the macrofauna of a temporary rainpool in semi-arid western **Australia** *[Insects].* 029246
The pine **bark** *bug,* Aradus cinnamomeus Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and significance in forestry. 028955
Beneficial *insects* [Plant pest control]. 028691
The distributional ecology and diversity of **benthic** *insects* in Cement Creek, Colorado. 029322
Plague the pests *[Insects,* **biological** control]. 028639
The nature of Bacillus thuringiensis endotoxin *[Insect* **biological** control]. 028655
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, *insects* **biological** control]. 028660
Growth requirements of entomogenous bacteria and the nature of some bacterial diseases of *insects* [**Bombyx** mori]. 029789
Effect of the new insecticide PDD 60-40 on nymphs and adults of the **cabbage** *bug* Eurydema oleraceum L. (Heteroptera, Pentatomidae). 028898
Natural regulators of numerical strength of [**cabbage** *insect]* pests. 028910
The art of *insect* **camouflage.** 029315
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, **carrot** *insect* pests]. 028886
A valise for **carrying** *insect* cell cultures long distances. 029369
Multiple viral infections of *insect* **cells** and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, biological control]. 028653
Influence of physical factors on the growth of *insect* **cells** in vitro. II. Sodium and potassium as osmotic pressure regulators of moth cell growth. 029370
Biochemistry of development in *insects* [**Ceratitis** capitata]. Stereospecific incorporation of fatty acids into triacylglycerols. 029348
Biochemistry of development in *insects* [**Ceratitis** capitata]. Incorporation of fatty acids into different lipid classes. 029349
The *insect* **chorion:** programmed expression of specific genes during differentiation. 029203
Cordyceps spp., as a parasite of *insects* [**Coleoptera,** Cordyceps entomorrhiza, biological control]. 028650
Virus infection of potato seed stocks [by Myzus persicae] in Ontario under **commercial** *insect-control* practices. 028232
Southern pine [Pinus] seed and **cone** *insects.* 028959
Approaches to *insect* **control** based on chemical ecology—case studies [Callosobruchus chinensis, pests of stored products]. 028976
New **coprophagous** *insects* from the Central African Museum, Tervuren (Belgium) and from my museum [Coleoptera]. 029569
Aminotransferases in the larvae of the *insect* **Corcyra** cephalonica St. 029371
Aminotransferases in the larvae of the *insect* **Corcyra** cephalonica St. 029372
Natural products of abdominal and metathoracic scent glands of **coreoid** *bugs* [Coreidae]. 029220
Current projects on biological control of *insects* **[Crops].** 028675
Glycopeptides from chitin *[Insects* and **crustaceans**]. 029296
Effects of *insect* **developmental** inhibitors on adult emergence of black flies [Simulium verecundum] (Diptera: Simuliidae. II. 029002
An unpublished species of **Diploura** *insect* Parajapygidae from Guatemala: Parajapyx (P.) strinatii, n. sp. 029671
Defending soybeans [against *insects* and **diseases],** naturally [Biological control]. 028700
Epizootics of virus **diseases** of *insects.* 029015
United States potentials and problems for *insect* **disinfestation** of wheat and sprout inhibition of potatoes by irradiation. 028743
Microanalysis and **ecology** *[Insects].* 029433
Insect **ectoparasites** of poultry in India and their control [Insect pests]. 029018
Entomophagous *insects* of the apple leaf moth [Natural control, Apanteles, Sympiesis, Anthocoris]. 028905
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an **entomophagous** *insect* (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
On resting spores of *insect-pathogenic* **Entomophthoraceae** (Zygomycetes). I. Production of resting spores of Entomophthora thaxteriana (Petch) Hall et Bell. 028690
First on the wind *[Insects,* **flight**]. 029243
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada **[Forest** *insect* pests, biological control]. 028925
Effect of **forest** *insect* pests on the structure of tree varieties. 028934
Forest *insect* research at Kansas State Univeristy. 1974 [Rhyacionia, Pinus ponderosa, Pinus sylvestris]. 028940
Breakdown of the prothoracic **glands** of *insects.* 029520
Evaluation of some insecticides for control of **green** *bug* [Coccus viridis] on coffee. 028661
Vegetable **greenhouse** *insect* control. 028835
Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with *insect* **growth** regulators and insecticdes. 028853
Activity and longevity of *insect* **growth** regulators against mosquitoes. 029023
Formula for describing effect of *insect* and **host** tree [Dendroctonus brevicomis] factors on resistance to western pine beetle [Pinus ponderosa] attack. 028945
How *insects* navigate? Bees and ants orient themselves by the polarization pattern of the sky. 029500
Identifying *insects:* cockroaches, (order Blattodea). 029664
Insect **immunity.** II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373
Studies of the [invertebrate] zoocenosis of a "natural" environment: the Brachypodium phoenicoides land in lower Provence *[Insects* **included**]. 029255
Selection and utilization of Bacillus thuringiensis strainsfor microbial control [of **injurious** *insects].* 028654
Colonization of a new island: studies on the "Hoher **Knechtsand"** *[Insects].* 029712
Aflatoxin production [by Aspergillus flavus] and **Lepidopteran** *insect* injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Neutral red, special fresh stain for "corpus **luteum"** in *insects.* 029503
Cotton pest **management** *[Insects].* 028744
Gamma irradiation of the melon fly **[melon** *insect* pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Insect **morphogenetic** hormones and developmental mechanisms in the nematode, Nematospiroides dubius. 029311
Biology, ecology and control of *insects* of **native** and introduced [forest] trees and shrubs on the Great Plains. 028939
Notes on the origin of *insects* **[Paleoentomology].** 029488
Spectrum of regulatory activities of **parasitic** *insects* [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. [Poplar pests, natural control]. 028958
Recent orientations in the study of *insect* **pathogens** in in vitro cultured cells [Disease vectors, biological control]. 029016
The drift of aquatic and terrestrial invertebrates in a stream of the Massif Central, Couze **Pavin** [Includes *insects].* 029224
Insects **perish** on tourist trails in the Tatry Mountains. 029556
Insect **pest** occurrences in Tasmania, 1973/74. 028657
Production of resting spores of Entomophthora thaxteriana [Fungi, Biological control of **pest** *insects].* 028667
Licking the bug problem in 1975 [Gardens, *insect* **pest** control]. 028812
Citrus care by air in St. Lucie County—1974 *[Insect* **pest** control]. 028829
Use and field application of pheromones in orchard *[insect]* **pest** management programs. 028856
Hygienic regulation of phosphamide application in the culture of hops *[Insect* **pest** control]. 028908
Control of forest **pest** *insects* by viruses [Dendrolimus spectabilis, Lymantria fumida, Lymantria dispar, Entomophthora]. 028942
[Insect] **pest** control in the dry milk industries. 028977
Parasites of domestic and laboratory animals in the Netherlands. 2. [Parasitic worms, *insect* **pests**]. 024733
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura nuclear polyhedrosis virus *[Insect* **pests,** biological control]. 028643
Biological control [of *insect* **pests**] and environmental quality. 028647
Natural enemies as a control agent of *[insect]* **pests** and the environmental complexity from the theoretical and experimental points of view. 028648
A note on the isolation of Entomophthora [Fungi] species on artificial media *[Insect* **pests,** biological control]. 028666
Control of *insect* **pests** with bacteria, the entomophagous Bacillus species, Bacillus thuringiensis and Bacillus popilliae. 028684
Mass-rearing of Chrysopa carnea Steph. (Neuroptera, Chrysopidae) *[Insect* **pests,** biological control]. 028685
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the eggs of Anagasta kuehniella Zeller *[Insect* **pests,** biological control]. 028687
Resistant [crop] varieties as the basis of integrated methods [of *insect* **pests** control]. 028693
Tachinidae as parasites of *insect* **pests** [of plants; natural control]. 028695
Control of *insect* **pests** [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. 028742
Reproductive differences between laboratory-reared and field-collected populations of the Mediterranean fruitfly, Ceratitis capitata *[Insect* **pests,** fruit]. 028821
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard *[Insect* **pests,** biological control]. 028823
Mealy-bugs **[Pests** of ornamental plants]. 028826
A guide of *[insect]* **pests** according to nature of injuries [Fruit]. 028899
Economic evaluation of chemical and biological methods [Cabbage, *insect* **pests,** control]. 028903
Experience and tasks in the integrated protection of cabbage *[Insect* **pests].** 028906
Insect **pests** of leguminous crops [Peas, beans]. 028909
Natural regulators of the numerical strength of cabbage *[insect]* **pests.** 028911
More recent methods and means for the control of *insect* **pests** of poplars and willows in Yugoslavia. 028956
Pirimiphos-methyl as a protectant [from *insect* **pests**] for stored inshell almonds [Control effectiveness and residues]. 028982
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat *[Insect* **pests,** biological control]. 028984
Mosquito and chironomid midge control by planaria *[Insect* **pests,** biological control]. 029001
Insect ectoparasites of poultry in India and their control *[Insect* **pests].** 029018
Grape pest monitoring improved with sex traps and aerial **photography** *[Insects].* 028891
The electrophysiology of transduction, retinal interaction and axonal conduction in invertebrate **photoreceptors** [Includes *insects].* 029314
Spectral analysis in ecology **[Plants,** *insects].* 025863
Energetics of pollination [Food plants, *insect* **pollinators].** 026371
Alfalfa flower color associated with differential seed set by leaf-cutter bees [Megachile pacifica, *insect* **pollinators,** selective visitation]. 026887
To pollinate an orchid [Orchidaceae, *insect* **pollinators].** 029245
On the relations of the *[insect* **population]** turnover rate to P/B [production/mean biomass and production/maximum biomass] and P/Bmax. 029438
Licking the *bug* **problem** in 1975 [Gardens, insect pest control]. 028812
Influence of other *insects* on **production** of horn fly, Haematobia irritans (Diptera: Muscidae), from cattle dung in south central British Columbia. 029282
Natural daylengths **regulate** *insect* seasonality by two mechanisms [Meleoma signoretti, Chrysopa downesi]. 029458
The land invertebrates of the New Hebrides and their **relationships** [Includes *insects].* 029478
Association of plant hairs and *insect* **resistance;** an annotated bibliography. 028670
Within-crown distribution of cone and **seed** *insect* damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938
Insect **sex** pheromones: intraspecific pheromonal variability of Ostrinia nubilalis in North America and Europe [Maize]. 028734
Aspirator for collecting and separating **small** *insects* [Lepidoptera, Coleoptera]. 029240
Ecological aspects of [animals, *insects]* **spatial** orientation. 029232
Modes of animal **speciation** *[Insects].* 029233
Faunistics and daily periodicity of some *insect* **species** in northern Sweden (Tipulidae, Typhlocybidae and Geometridae). 029342
A population study of the **spittle** *bugs* Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: Cercopidae) in Mexican Pangola pastures. 028797
Giant axons in the central nervous system of Ctenomorphodestessulatus (Gray), an Australian **stick** *insect.* 029393
Contact, residue, and vapor toxicity of new insecticides to **stored-product** *insects.* III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987
Interaction of viruses of vertebrates and nuclear polyhedrosis viruses of *insects* with **subcultured** diploid embryonic cells of Drosophila [melanogaster]. 029317
Evaluation of newly **synthesized** *insect* growth regulators against Anopheles quadrimaculatus, Anopheles albimanus, and Aedes taeniorhynchus. 029041
Insect-resistant **textile** bags: new construction and treatment techniques [Cotton]. 028988
Defense in two pre-social membracids **[Tree** *insects,* biological control] (Homoptera: Membracidae) [Platycotis vittata, Umbonia crassicornis]. 028227
Comparison between the zymograms of **two** *insect* cell lines: Antheraea eucalypti and Malacosoma disstria (Lepidoptera). 029261
Pheromones and related chemicals in some **USDA** *insect* control programs. 028649
Pathogenicity of the corn stunt agent to an *insect* **vector,** Dalbulus elimatus. 028758
Surface molting behavior and its possible respiratory significance for a gaint **water** *bug* Abedus herberti Hidalgo (Hemiptera: Belostomatidae). 029469
Formation of **winged** *insects* [Pterygota] and their present system [Evolution]. 029514
Resistance of wood plastic combinations to **wood-destroying** *insect* attacks. 028941
Of chitin, thorax, and a billion **years** *[Insects].* 029244

INSEMINATION

The use of progestagens in sheep bred by natural and **artificial** *insemination.* 024006
The use of progestagen SC 9880 as an aid for **artificial** *insemination* in ewes. 024007
Artificial *insemination* of cattle, swine and goats in France in 1974. 024066

Inverse of a matrix of relationships due to sires and maternal grandsires [**Artificial** *insemination].* 024101
Note on **artificial** *insemination* of Zebu cattle in Madagascar after synchronisation of estrus by norethandrolone. 024150
Don't forget to also analyze the fifty percent you already have [**artificial** *insemination].* 024165
Is the A.I. [**Artificial** *insemination]* industry meeting customer needs? 024166
Let's give our support to A.I. [**Artificial** *insemination]* research. 024168
Presenting beef information [use of **artificial** *insemination* in beef cattle, progeny test]. 024169
The importance of beef in the future A.I. [**Artificial** *insemination]* industry. 024174
Artificial *insemination:* fertility and genetic improvement [Cattle]. 024214
Problems in **artificial** *insemination* and conception in dairy cattle. 024221
Induction of ovulation and pregnancy in captive cottontail rabbits by exogenous gonadotrophin treatment and **artificial** *insemination.* 024225
Determination of result of **artificial** *insemination* of cows. 024261
Increasing the productivity of dairy cattle on a state farm [**Artificial** *insemination].* 024267
Artificial *insemination:* a longer way to the production of purebred queens as a basis for mass multiplication [Apis mellifera]. 029847
Can beef cattle be **artificially** *inseminated* at preset times? 024210
Morphology of the male sex organs, spermatophore formation and *insemination* in the **clear-winged** grasshopper, Camnula pellucida (Scudder). 029198
Heterospermic *insemination* and its effect on the offspring ratio in rats. 024121

INSOLUBLE

Nutritional and chemical changes in heated casein. III. A comparison of the alkali-soluble and *insoluble* **fractions.** 022596

INSPECTION

Studies on the landscape management of pasture land using the plant succession theory. 2. The *inspection* of **artificial** grasslands from a standpoint of environmental preservation. 027495
Activities of *inspection* **committees** in agricultural cooperatives of the Brno-Venkov district. 021236
Relationships between the performances of ancestors and direct offspring as well as between **first** *inspection* results of young bulls and their breeding values. 4. Relationships. 024029
Fishery *inspection:* taking the fishiness out of fish. 022257
A veterinary-controlled meat and **poultry** *inspection* centre in Canada. 021978
Studies on quality control for Satuma mandarin oranges. I. On the classification method for stored Satsuma mandarin by **sampling** *inspection.* 021860

INSTABILITY

Study of the nature of filtration **flow** *instability* in peat soils. 030294
Instability and **function:** ascorbic acid and glutaminyl and asparaginyl residues. 022036
Instability of **patulin** in Cheddar cheese [Penicillium patulum]. 021927

INSTARS

Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the Growth in the **fifth** *instar* larvae and the productivity of silk substance and eggs. 029776
Determination of **larval** *instars* of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918
Descriptions of first and **second** *instars* of Praecocaspis diversa Ferris (Homoptera: Diaspididae). 029216

INSTINCT

Bioconstitution, temperament and *instinct* in **animal** behavior. 023229
You can have one as well as the other: *instinct* **versus** technique. 022281

INSTITUTIONS

The new day has begun: *institutional* **foodservice** in Louisville. 022241
Improving ice cream deliveries to retail and *institutional* **outlets.** 021589
Food storage guide for **schools** and *institutions.* 022528
Evaluation of household dishwashing machines for use in **small** *institutions.* 022332

INSTRUCTION

Aim of educational policy in Mexico, especially in **agricultural** *instruction.* 021121

INSTRUMENTS

Use of a laboratory **automatic** *instrument* for determining the fractional composition of turpentine. 025353
Single-entry tables, an **important** *instrument,* but a source of serious errors [Forest mensuration]. 025104
The agro-industrial complex as an *instrument* of **international** understanding. 021755
Verification of a **laboratory** *instrument* for determination of relations of relative abrasive resistance in conditior.s of soil treatment. 030172
Small animal clinical **otology** *instrumentation.* 1. 024392
A simple **restraining** *instrument* to facilitate experimental manipulation of the honeybee [Apis mellifera] head. 029801
Development of an *instrument* for **testing** the evenness of dosing of drilling machines. 030096

INSUFFICIENCY

Electrocardiographic signs of **adrenocortical** *insufficiency* with hypercalcemia in the dog. 024929
Cannibalism as an indication of **pollen** *insufficiency* in honeybees [Apis mellifera]: ingestion or recapping of manually exposed pupae. 029805

INSULATION

Steady-state field of insulated slab with internal heat sources [Heating, *insulating,* **concrete** slab floors]. 029971
Relationship between LP [liquified petroleum] gas usage and amount of **roof** *insulation* in Arkansas broiler houses. 029905
Steady-state field of *insulated* **slab** with internal heat sources [Heating, insulating, concrete slab floors]. 029971

INSULIN

Amino acid transport by aggregates of cultured chicken heart cells: **Effect** of *insulin.* 023476
Interrelationships of *insulin,* **glucose,** lipid and anthropometric data in a natural population. 022004
Plasma carbohydrate, *insulin* and **hepatic** enzyme levels in rats refed sucrose. 022184
Effects of mazindol [anorectic agent] on carbohydrate and *insulin* **metabolism** in obesity. 022160
Effects of glucagon and *insulin* on **net** hepatic metabolism of glucose precursors in sheep. 023208
Effect of energy sources on **plasma** *insulin* and nitrogen metabolism in sheep totally nourished by infusions. 023760
Positive inotropic effect of *insulin* on **rabbit** auricle in vitro. 023263
The release of pancreatic glucagon and inhibition of *insulin* in **response** to stimulation of the sympathetic innervation [Dogs, cats, sheep]. 023556
Quantitative aspects of *insulin* **secretion** and its hepatic and renal removal in sheep. 023225
Effects by heme, *insulin,* and **serum** albumin on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
[A-21-D-asparagine] **sheep** *insulin,* a diastereoisomer of the natural hormone. 023504
Specific binding of *insulin* to the **unicellular** alga Acetabularia mediterranea. 026821

INSURANCE

Insurance of **accidents** in farm work [Brazil]. 021437
Problems of *insurance* in **agriculture.** 021391
The apiculturist and his *insurance* (1966/1976) **[Austria].** 029769
Trace minerals are top **nutrition** *insurance* [Dairy cattle]. 023728
Impact of the extension of **unemployment** *insurance* to agricultural employment in Pennsylvania. 021372

INTAKE

Effect on *intake* of **adding** sodium bicarbonate to silage [Sheep]. 023800
Portion sizes and **day's** *intakes* of selected foods. 022053
Effects of chronic **ethanol** *intake* on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or groundnut oil. 022144
Effect of forage-to-concentrate ratio in complete feeds and **feed** *intake* on digestion of starch by dairy cows. 023766
Feed *intake* and growth in New Zealand feedlots [Beef cattle]. 023828
Food *intake,* its relationship to body weight and age, and its apparent nutritional adequacy in New Guinean children. 022001
Stomach and upper intestine of the rat in the regulation of **food** *intake.* 023539
Food *intake* regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. 023716
Estimation of **food** *intake* of sheep grazing green pasture when no free water is available. 023751
A comparison of methods for measuring **forage** *intake* [Cattle]. 023855
Herbage *intake* and grazing behaviour in ewes of four breeds at different physiological states. 023696
Changes in ascorbic acid metabolism of the offspring following high **maternal** *intake* of this vitamin in the pregnant guinea pig. 022027
Yield, chemical composition and dry **matter** *intake* of R.v.P ryegrass varieties [Lolium, sheep]. 023071
New isotope methods for estimating **milk** *intake* and yield [Calves]. 023769
Effects of two levels of **milk** *intake* on calves of two growth potentials. 023905
Relationships of protein and **mineral** *intake* to L-ascorbic acid metabolism, including considerations of some directly related hormones. 022042
Nutrient *intake* of women. 022086
Effect of different dietary **protein** *intake* on urinary creatinine excretion in adults. 022107
Effect of maternal **sucrose** *intake* on the metabolic patterns of mature rat progeny. 021998
The effect of plant structure on the *intake* of **tropical** pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of digestion and **voluntary** *intake* of dried grass in sheep. 023708
Water balance of small lactating rodents. II. Concentration and composition of milk of females on ad libitum and restricted **water** *intakes.* 023379
Clogging of screens and *intake* **zones** in collector wells [Groundwater]. 030752

INTEGRATION

On the question of *integration* of **Agrobacterium** tumefaciensdeoxyribonucleic acid by tomato plants. 028140
In view of an *integrated* **approach** of deveopment of pasture in arid zones: considerations from a case in South Tunisia. 021307
Occurrence and *integrated* **control** of dwarf virus disease in rice. 028214
Cooperation of science and production *[Integrated* **control** of cotton pests]. 028762
Toxicity of organophosphorus systemic pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, *integrated* **control,** beans]. 028839
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the *integrated* **control** of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) [Picea glauca, Abies balsamea]. 028927
Comments to the article written by V. Marillai on "The problems of **economic** *integration* in agricultural economic research". 021270
Integrated **farm** forestry. 025054
Organization of the ABC program as a **fully** *integrated* [swine] crossbreeding program. 024237
Integrating the **Jewish** dietary laws into a dietetics program. 022290
Integration and **land** use policy in Alberta. 021175
Hormone **mediated** *integration* of seedling physiology [Barley]. 026882
Resistant [crop] varieties as the basis of *integrated* **methods** [of insect pests control]. 028693
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) *[Integrated* **mite** control, Tetranychus mcdanieli, apples]. 028819
Integrated **pest** control research project. 028676
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons *[Integrated* **pest** control, apple orchards]. 028836
Integrated **plant** protection in fruit culture. 028412
Basic concepts of biological control in an *integrated* **program** of mosquito abatement. 029059
The system of *integrated* **protection** [of cotton from pests]-how should it be organized. 028765
Experience and tasks in the *integrated* **protection** of cabbage [Insect pests]. 028906
The *integrated* **research** advisory and extension service of the South African Sugar Association's Experiment Station. 022816
Responsibilities and activities of veterinary **staff** *integrated* in production. 024366
Chemical method as a component of *integrated* **system** of contrlling pests and diseases. 028669
Vertical *integration* and contracts in agriculture. IV. Synoptic survey. 021281

INTENSITY

Solar radiation at Geneva, New York—variations in *intensity* and **duration** 1964-1973. 021140
Physiological bases of dairy cattle feeding on farms with high fertilizer application and *intensity* of **feed** utilization. 023703
Effects of **light** *intensity* and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427
Anatomical repercussions of **light** *intensity* on Virginia creepers Parthenocissus tricuspidata. 026434
The influence of temperature, daylength and **light** *intensity* on flowering in Hydrangea macrophylla (Thunb.) Ser. 027642
Phytotoxic action of desmedipham: influence of temperature and **light** *intensity* [Sugarbeets, plant injuries]. 028456
Effect of potassium fertilizers on the *intensity* of **microbiological** processes and fertility of lowland-type peat-bog soils. 030626
Laboratory research of *intensity* of **milk** outflow from a mammilla. 023193
In the [cattle] barn **odors** are *intense.* 030846
The *intensity* of **photosynthesis** in citrus leaves of various age in relation to their frost resistance. 027294
Particulate source strength determination for *low-intensity* **prescribed** fires [Air pollution, forests]. 025196
Haemocytic reactions in Lepidoptera pupae. *Intensity* of the **reaction** at differents regions of the pupae body of Pieris brassicae. 029267
Study on the *intensity* of **sericultural** work. I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] harvesting by machine. 021254
Solid-state *light-intensity* controller [for incandescent lamps] for [entomological and] biological research. 029241

INTENSIVE

Use of grass covers for *intensification* of **agricultural** production and improvement of the environment [Culture, varieties, pastures, lawns]. 027449
Calf [supply] replenishment of farms specializing in *intensive* **beef** production. 021347
The yield and quality of grain of barley varieties under different mineral fertilization levels [in **breeding** *intensive* types]. 026278
Some data on the hazel tree [Corylus] in *intensive* **culture.** 4. 027712

Possibilities of a more *intensive* **exploitation** of infantile gilts [Breeding]. 024242
Leasing or *intensification?* [**Farm** management]. 021207
A note on the relative efficiency of various *intensive* **farming** systems for small holders. 021268
Factors in the *intensification* of **feed** production [Forage plants]. 021340
Intensive **finishing** of Blackface Hill lambs—current outlook [Returns]. 021389
Intensification of **forage** plant production. 027542
Important means of *intensifying* **forestry** production. 025121
Problems in the *intensification* of **perennial** forage plants. 027552
Lethal yellowing: *intensive* **probe** is launched [Coconuts, diseases of unknown origin]. 028440
Prospects for the *intensification* of **rabbit** meat production. 023092
Intensification and **reduction** of material imput capacity in cotton growing. 021402
Changes in soil fertility under *intensive* **rice** cropping with improved varieties [Fertilizers]. 030527
Intensification of **sheep** husbandry in the central Volga River area [Meat and wool yields]. 023172
Special branches in **Swiss** *intensified* [horticultural] production today and tomorrow. 027838
Intensive **work** [of the N. I. Vavilov All-Union Scientific-Research Institute of Plant Industry] in the final year of the ninth five-year-plan period. 025568

INTERCELLULAR *see* CELLS

INTERCONVERSION
Metabolic inhibition and **adrenoceptor** *interconversion* [Rabbits]. 023262
The effect of storage temperature on **carbohydrate** *interconversion* in tulip bulbs. 027085

INTERESTERIFICATION *see* ESTERIFICATION

INTERFERONS
The varied effects of *interferon* on **animal** cells. 024541

INTERGENERIC *see* GENERIC

INTERGOVERNMENTAL *see* GOVERNMENT

INTERMITTENT
The effect of *intermittent* **lighting** programmes on the production of market chickens and turkeys. 023675
Elements of a theory on *intermittent* **ridging** [Equipment design]. 030133

INTERNODES
Dependences of some physical-mechanical quantities on *internodes* of **barley** stalks of the Dvoran and Sladar varieties. 026879
Stress of spring **barley** *internodes* on tension. 026881

INTERRELATION
Interrelationships between **agriculture** as air pollution. 030920
On the possibility of using a jointly cultured system of isolated tissues from legumes and nodular bacteria for investigating their *interrelations* [**Alfalfa,** Rhizobium meliloti, Rhizobium leguminosarum]. 026949
Interrelationship among **available** zinc, copper and phosphorus in soil. 030243
The role of organic sulphur in the **copper-molybdenum-S** *interrelationship* in ruminant nutrition [Sheep]. 023709
Functional *interrelations* of vitamins E and K in animal metabolism [Nutrition]. 023945
Interrelationship between **heights** of young conifers and indices of needle development in their crowns. 027329
A regional model for the analysis of agricultural production and agricultural service **industry** *interrelationships.* 021661
Interrelationships of **insulin,** glucose, lipid and anthropometric data in a natural population. 022004
Osmotic *interrelationship* between blood and gut fluid in the isopod Porcellio scaber Latr. (Crustacea). 029312
Changes in concentrations and *interrelationships* of **phytate,** phosphorus, magnesium, calcium, and zinc in wheat during maturation. 026973
Interrelations between **sulphur** dioxide pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Study of nature of *interrelations* of **yeast** of the genus Saccharomyces in champagne manufacture. 022998

INTERROWS
Combined *interrow* tillage [of cotton]. 027431

INTERSTITIAL
Interstitial **fluid** pressure in canine gastric mucosa. 023218
Interstitial **protozoa** and algae of Louisiana salt marshes. 025910

INTERVERTEBRAL
The composition and protein metabolism in the immature **rabbit** *intervertebral* disc. 023364

INTESTINES
Intestinal **absorption** of calcium and phosphorus by horses. 023564
A comparison of *intestinal* **amino** acid absorption in various avian and mammalian species. 023375
Development and ecological significance of the **avian** *intestinal* flora. 023424
Vitamin D-dependent, particulate calcium-binding activity and *intestinal* **calcium** transport. 022012
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [**Calf** *intestines].* 023305
Activity of deaminases of the contents of **calf** *intestine* relative to age. 023672
Oxygen supply and uptake in the liver and the *intestine* [**Cats**]. 023610
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of *intestinal* **cell** calcium uptake and calcium-bindng protein [Rats]. 022205
Studies on phospholipases of **chicken** *intestine.* 023438
Studies on phospholipases of **chicken** *intestine.* 023439
Intestinal lipid absorption: evidence for an intrinsic defect of chylomicron secretion by normal rat **distal** *intestine.* 022153
Organization of an actin filament-membrane complex. Filament polarity and membrane attachment in the microvilli of *intestinal* **epithelial** cells [Chickens]. 023497
The role of *intestines* in the **formation** of normal antibodies at early stages of individual development of mammals [Includes livestock]. 023680
Intestinal **lipid** absorption: evidence for an intrinsic defect of chylomicron secretion by normal rat distal intestine. 022153
Histological development of the thymic and *intestinal* **lymphoid** tissue of the horse. 023563
Enzymes of glycerolipid synthesis in *small-intestinal* **muscosa** of foetal and neonatal guinea pigs. 023277
Stomach and upper *intestine* of the **rat** in the regulation of food intake. 023539
Electric pacing of intact and transected canine **small** *intestine* and its computer model. 023210
Electrogenic sodium pumping in rabbit **small** *intestinal* smooth muscle. 023211
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, **small** *intestine,* bone) of cattle. 023251
Studies on the histological structures of the **small** *intestine* of Indian buffaloes (Bos bubalis). 023432
Carbohydrate digestion and absorption in the equine **small** *intestine* [Horses]. 023560
Experimental studies on the absorption of zinc from different parts of the **small** *intestine* and various Zn compounds [Rats, metabolism]. 023601
Change in nitrogen concentration in chyme of the **small** *intestine* in steers fed various dosages of urea. 023942
Stimulation of *intestinal* **smooth** muscle by atropine, procain1, and tetrodotoxin [Cats]. 023227
Intestinal **surgery** in the foal. 024327
Infectious diseases of the *intestinal* **tract:** the secret of coccidiosis is further revealed [Sarcocystis fusiformis, cats, dogs]. 024745
Myo-epithelial junctions in skeletal and in *intestinal* **tract** muscle of the mite, Caloglyphus anomalus (Acarina). 029437
Lead and active calcium transfer through the *intestinal* **wall** in rats. 025000

INTOXICATION
Nicotinic **acid** *intoxication* after ingestion of minced meat. 021968
Presumptive quaternary **ammonium** *intoxication* in a pony. 024965

INTRABREED *see* BREEDING

INTRACELLULAR *see* CELLS

INTRACUTANEOUS *see* CUTANEOUS

INTRACYTOPLASMIC *see* CYTOPLASM

INTRAMOLECULAR *see* MOLECULES

INTRAMUSCULAR *see* MUSCLE

INTRAUTERINE *see* UTERUS

INTRAVENOUS
Proteinuria in neonatal piglets after oral and *intravenous* **administration** of homologous colostrum and serum proteins. 023449
Effect of five **daily** *intravenous* treatments with oxytetracycline hydrochloride on the carrier status of bovine anaplasmosis [Anaplasma marginale, cattle]. 024584
A study on electrical activity of medial basal cells in the hypothalamus of the ewe **following** *intravenous* administration of estrogen. 023347
Milk secretory response of the conscious lactating rat **following** *intravenous* injections of rat prolactin. 023510
Effect of *intravenous* **infusion** of artificial saliva on changes in acid-base status of sheep during eating. 023573

INVENTORIES
Descriptive flora of the Nimba mountains. 4. **Descriptive** *inventory* of the flora of the Nimba mountains (Ivory Coast, Guinea, Liberia). 4. [New taxa]. 025741
An experiment concerning the *inventory* **efficiency** of even-aged stands by means of cluster-samples with 4, 6, 8 and 10 trees. 025160
An *inventory* of **extractable** boron in the profiles of soils used for corn production in Michigan. 030331
Mathematical model of **forecasting** *inventory* of forest stands. 025122
Putting new technology of **forest** *inventory* into practice. 025126
Improving estimates of stand basal area in working plan [**forest**] *inventories.* 025149
Continuous **forest** *inventory* in the General Administration of the National Forest Inventory (summary of three years of work) [Mexico]. 025153
Consumer **knowledge** *inventory:* its impact on curriculum development in Montana schools. 021962
Preliminary *inventory* expedited by the Paraopeba Forest Experimentation Station in Minas Gerais. 025077
Consideration of the use of water resources in the USSR state water **resources** *inventory* system. 030755
The Montana Automated Data Processing System for **soil** *inventories.* 030333

INVERSION
A **heritage** *inverted:* our flora endangered [Conservation program]. 025567
Inverse of a **matrix** of relationships due to sires and maternal grandsires [Artificial insemination]. 024101
Inversion **polymorphism** in natural populations of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). 029493

INVERTASE
Enzymatic improvement of date quality. Use of *invertase* to **improve** texture and appearance of "sugar wall" dates. 022950
The effect of fertilizers on the activity of *invertase* in **Krasnozem** soils. 030536

INVERTEBRATES
Successions of microorganisms and *invertebrata* and their **connections** with biochemical processes during decomposition of manure in soil. 030277
Soil *[invertebrates]* **fauna** of orchards and vineyards in relation to soil cover. 030228
The **land** *invertebrates* of the New Hebrides and their relationships [Includes insects]. 029478
The electrophysiology of transduction, retinal interaction and axonal conduction in *invertebrate* **photoreceptors** [Includes insects]. 029314
The drift of aquatic and **terrestrial** *invertebrates* in a stream of the Massif Central, Couze Pavin [Includes insects]. 029224
Studies of the *[invertebrate]* **zoocenosis** of a "natural" environment: the Brachypodium phoenicoides land in lower Provence [Insects included]. 029255

INVESTMENTS
Conditions of return on *investment* [in **collective** farms]. 021400
Investment **credit** available for greenhouse construction. 021376
A profile of logging in the Northeast. I. Crew size and **equipment** *investment.* 025467
Who uses **farm** *investment* programs? 021420
A financial return program for **forestry** *investments* including sensitivity of results to data errors. 025073
Training: 1975's best **return** on *investment.* 022288

INVOLUTION
Investigations on improving the fertility of aged sows. 3. Histological study of **puerperal** *involution* and regenerative processes occuring in the endometrium of sows during normal-lactation and very early weaning. 024027
Involution of **uterine** activity in postpartum stage in cows. 024141

IODIDE
Myotonia and block of chloride conductance by *iodide* in **avian** muscle [Chickens, pigeons]. 023222

IODINE
Determination and significance of *iodine* and **chlorine** residues in milk after teat dipping. 021846
The effect of *iodine* **deficiency** on thyroid function in the infant rat. 022163
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of **hydrolyzed** *iodinated-casein* on the conversion of beta-carotene into vitamin A. 023718
Thermal reaction of safflower oil fatty acid methyl esters in the presence of *iodine:* **identification** of reaction products. 022813
Distribution volumes of [131I] *[iodine* **isotope]** albumin, [14C] [carbon isotope] sucrose, and 36Cl [chlorine isotope] in sheep lung. 023460
The control of the function of the thyroid gland by means of **radioactive** *iodine* in the toxocological investigation of foreign substances [Rats]. 024984
Iodine **supplementation** could mean better lambs. 023871
Iodine **toxicity** in cattle. 024954

IONIZATION
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by **chemical** *ionization* reconstructed mass chromatography. [Human atherosclerosis]. 022154

IPOMOEA
Studies on nutrition of grafted plants [Pharbitis, *Ipomoea* **bana-nox**, sweetpotato]. I. Nitrogen nutrition. 027144
Effect of ammonium on growth of plant **cells** *(Ipomoea* sp.) in suspension cultures. 026442

IPS
Feeding and reproductive behavior of *Ips* **avulsus** [pest of Pinus]. 028937
Muscular anatomy of *Ips* **sexdentatus** (Coleoptera, Scolytidae). 029227

IRIDACEAE
Four new taxa in Turkish **Crocus** *(Iridaceae).* 025732

IRISES
Viruses and virus diseases of *irises* in **Britain.** 028209
Effects of exogenous supply of glucose or cycloheximide on nitrogen metabolism of **cut** *Iris* germanica L. flowers. 027226
The influence of temperature and soil moisture on the incidence of Erwinia carotovora var. carotovora in forced **Dutch** *irises.* 028124
Ultrastructural study of the host-parasite interactions. I. The Heterosporium **gracile** of the *Iris.* 027924
Homologies in the DNA of species of *Iris* L. 027169
Photographic review of the developmental stages of flower formation in tulips, *irises* and **lilies.** 025932

IRON
Influence of reducing and oxidating compounds on *iron* **accumulation** and chlorophyll content in oat leaves. 026876
Evaluation of an **amino** *acid-iron* chelate hematinic [Swine, feeding]. 023891
Effect of CaCO3 [calcium carbonate] and *iron* on the **availability** of iron in a light textured soil. 030238
Determination of *iron* in **cheese** whey by atomic absorption spectrometry. 022562
Influence of technological additives and of heating temperature on some chemical and physical changes in canned meat. I. Alteration of tin and *iron* **content** by corrosion of can. 021953
Interactions of **dietary** *iron* and manganese in growing rats. 023953
Pseudopodzolization and its diagnosis by the composition and distribution of free forms of *iron* (as **exemplified** by the soils of the Far-Eastern Primorye). 030291
The regulation of riboflavin synthetase synthesis by *iron* in **flavinogenic** yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400
Nutritional survey in an *iron-* and **folate-deficient** popuation. 022007
The effect of organic polymers and **hydrous** *iron* oxides on the tensile strength of clays. 030371
Effect of CaCO3 [calcium carbonate] and iron on the availability of *iron* in a **light** textured soil. 030238
Effect of Zn, [zinc] Fe *[iron]* and **moisture** on the availability of Zn, Fe annd Mn [manganese] in soil. 030240
Selenium retention as affected by *iron* **oxide** in the premix [Swine rations]. 023900
Distribution of *iron* in **paddy** soils of eastern Uttar Pradesh. 030237
Effect of **parenteral** *iron* [supplementation] on serum electrolytes [Swine]. 023890
Iron out your **production** woes with steamers. 022328
E.P.R. [Electron paramagnetic resonance] spectra of *iron-sulphur* **proteins** in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Study of Salmonella in frozen meat (estimation of the presumptive test on *lysine-iron-cystine-neutral* **red).** 021843
Effect of wheat fiber on blood lipids, fecal steroid excretion and **serum** *iron* [in human nutrition]. 021999
Distribution of different forms of *iron* in **soils** of Uttar Pradesh. 030236
On the nature of the *iron* **sulfur** cluster in a deuterated algal ferredoxin [Synechococcus lividus]. 026409
The effect of massive **transplacental** *iron* loading [Rabbits]. 025001

IRRADIATION
Inherited partial sterility and chromosomal rearrangements in succeeding generations after *irradiation* of **Adoxophyes** orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Modifying action of thymidine on *ultraviolet-irradiated* **Anascystis** nidulans cells [Algae]. 026687
Mutagenic activity of hydrazine and its combinations with maleic hydrazide and *X-rays* in **barley.** 026135
Regional blood flow in rats exposed to supralethal doses of whole **body** *X-irradiation.* 023639
Report on **breeding** *irradiated* begonia varieties resistant to ozone injury. 026076
Investigation of the genetic processes in irradiated population. II. Influence of **chronic** *X-irradiation* on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. 029495
Effect of *irradiation* with 60Co **[cobalt** isotope] on transfer and motility of sperm and on mating of the tobacco budworm[Heliothis virescens]. 028739
Combined *heat-irradiation* effect on deoxyribonucleic acid of Pennicillium expansum LK. ex. Thom [Fungi]. 026613
X-ray **crystal** structure analysis of papyriogenin A [Tetrapanax papyferum]. 026464
Influence of energy metabolism on the repair of *X-ray* **damage** in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. 026824
Specific increase, by *X-rays,* of **dark** carbon dioxide outputfrom leaves of Pelargonium zonale L. 027153
X-ray **determination** of the structure of podolide, an Antileukemic norditerpene dilactone [Podocarpus gracilior]. 026636
Effect of *gamma-irradiation* on **development** of lachrymator of onion. 027098
X-ray and **DTA** characterisation of some vermiculites. 030323
Restoration of induced damage by X *rays* to the **embryos** of Drosophila [melanogaster] Meig. 029389
X-ray **enlargement** modified for use in experimental animal science. 023581
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of *X-rays* and **fast** neutrons [Integrated pest control, apple orchards]. 028836
Multielement characterization of atmospheric aerosols by instrumental neutron activation analysis and *X-ray* **fluorescence** analysis [Air pollution]. 030883
Preparation for the introduction of **food** *irradiation* in Brazil [Economic feasibility]. 021392
Present status and prospects for the commercialization in Hungary of *irradiated* **food** items for human consumption [Economic feasibility]. 021393
Consumer attitudes towards **food** *irradiation* in the Netherlands. 021577
Public acceptability of **food** *irradiation.* 021578
Petitions and clearances for *irradiated* **food** items: implementation of legislative requirements in marketing tests [Israel]. 021742
Background to the establishment of the first **food** *irradiation* plant in Japan. 022473
Status of the **food** *irradiation* programme in Israel. 022476
Notes on the **food** *irradiation* programme in Italy with particular reference to potatoes. 022909
Preparations for commercialization of *irradiated* **foods** in the Czechoslovak Socialist Republic. 022475
Influence of energy metabolism on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during **fractionated** *irradiation* of yeast [Saccharomyces cerevisiae]. 026824
Elimination of Salmonella from fermented pork by **gamma** *irradiation.* 021959
Effects of roasting temperatures and **gamma** *irradiation* on the content of chlorogenic acid, caffeic acid and soluble carbohydrates of coffee. 022480
Effects of **gamma** *irradiation* and storage temperature on carotenoids and ascorbic acid content of mangoes on ripening. 022949
Lethal and mutagenic effects of **gamma** *rays* on Chaetomium aureum Chivers [Fungi]. 026133
The joint action of **gamma** *rays* and ethylenimine during the presynthetic period of the mitotic cycle on cells of seeds of Crepis capillaris. 026287
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of **gamma** *irradiation* to the sperm on F1 egg development [Apples, pest control]. 028865
Gamma *irradiation* of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Melon flies [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with **gamma** *irradiation* in a nitrogen atmosphere. 028868
Gamma *irradiation* of adult Plodia interpunctella: Effects on mating, sterility, and number of progeny [in stored peanuts in Georgia]. 028969
Influence of double infections on the induction of thymidine kinase by UV *[ultraviolet]-irradiated* **Herpes** simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423
X-ray **induced** visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. 029302
Major and trace element analysis in red imported fire ant [Solenopsis invicta] queens by ion **induced** *X-ray* fluorescence. 029357
Piglets reared from gas **infrared** *rays.* 029926
X-ray **investigation** of clay minerals in the soils of West Bengal. 030324
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] *irradiated* with **low** doses of ultraviolet light. 026650
Preparations for **marketing** *irradiated* potatoes and onions in the Federal Republic of Germany [Consumer and health considerations]. 021895
Chemical changes associated with flavor in *irradiated* **meat.** 022663
Genetical analysis of organogenetical development processes in maize with the *X-ray* **method.** 026092
X-ray **microanalysis** in botany [Barley]. 026981
Prospects of **onion** *irradiation* in India [Economic feasibility]. 021394
Potato and **onion** *irradiation* in the Netherlands. 022910
Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome breaks induced by *X-rays* in the **paternal** genome of Drosophila. 029449
Investigation of the genetic processes in *irradiated* **population.** II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. 029495
Considerations for an analysis of the value of **potato** *irradiation* in Spain. 022907
Status of **potato** *irradiation* in France. 022911
Commercialization of *irradiated* **potatoes,** mushrooms, onions and spices in the Netherlands. 022906
United States potentials and problems for insect disinfestation of wheat and sprout inhibition of **potatoes** by *irradiation.* 028743
Induction of DNA double-strand breaks by *X-rays* in a **radiosensitive** stain of the yeast Saccharomyces cerevisiae. 026224
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] *irradiation,* **respiration** measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Irradiation **treatment** for sprout inhibition in potatoes: prospects for application in Belgium. 022908
The effects of **ulravolet** *irradiation* on a Baculovirus [nuclear polyhedrosis virus] infecting Galleria mellonella. 029430
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an **ultraviolet** *irradiation-gas-liquid* chromatographic technique. 021911
The effect of caffeine on survival of **UV-[ultra** *violet]-irradiated* diploid yeast [Saccharomyces cerevisiae] strains of different sensitivities. 026227
Photocontrol of phytochrome destruction in grass [oats, maize] seedlings. The influence of **wavelength** and *irradiance.* 027002
The economic feasibility of onion, potato and **wheat** *irradiation* in India. 021395
Renal function and intra/extravascular distribution spaces in the rat after supralethal **whole-body** *X-irradiation.* 023640

IRRIGATION
Backwater shutters with a soft covering *[Irrigation* **channels].** 029941
Irrigation **[Citrus].** 030644
Closed-wound *irrigation* of compound and contaminated fractures as a preventive and treatment for osteomyelitis [Dogs, cats]. 024927
Irrigation according to the **concentration** of cell sap [of cotton]. 030674
The effect of nitrogenous nutrition [fertilizers] on the formation and accumulation of catechins in tea leaves in relation to *irrigation* under the **conditions** of Imeretia [USSR]. 030537
Costs and returns for *irrigated* **crop** production in the lower South Platte Valley, Colorado [Field crops]. 021369
Costs and returns for *irrigated* **crop** production in the Uncompahgre Valley, Colorado. 021370
Effects of fertilizer, barnyard manure, and crop residues on *irrigated* **crop** yields and soil chemical properties. 030437
Water and the rice **crop** *[Irrigation].* 030798
Lines of credit for **developing** *irrigation* in Brazil. 030686
About automatic flooding of a centrifugal pump before launching **[Drainage,** *irrigation].* 030120
Drip *irrigation* progress report in the mid-Columbia area [Pears]. 030728
Oregon's **drip** *irrigation:* 1974 research report [Pears]. 030729
Pear tree response to **drip** *irrigation* on Carney clay soil, second season 1974. 030730
Scheduling **drip** *irrigation* with evaporation pans [Fruit]. 030731
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under *irrigated* and **dry** conditions [Lolium multiflorum]. 027459
Alterations in the soil reclamation status of lands due to *irrigation* from an **earth-channel** irrigation network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
Double cropping and fertility levels under *irrigation* in **eastern** New Mexico [Sorghum, barley]. 027496
Effluent *irrigation* as a physicochemical hydrodynamic problem. 030714
Programming LOIS [light operated interval switch] for multiple mist signals *[Irrigation* **equipment].** 030021
Examination of *irrigation* **equipmentes** with large-range sprinklers. 030097
Results of using preparations of series K for control of soil **erosion** from *irrigation.* 030601
Development of *irrigation* and **evolution** of watering techniques. 030637
Problem of the use of subsurface waters for *irrigation,* **exemplified** by Uzbekistan. 030771
Characteristics of *irrigated* **farms** in southern Alberta. 021256
Yield and morphological response of rape (Brassica campestris L. cv. Span) to *irrigation* and **fertilizer** treatments. 027385
The effect of *irrigation* and **fertilizers** on the accumulation of aromatic substances in grape berries and on wine quality. 027300
Irrigation of **fine-fiber** cotton in the Surkhan-Sherabad Valley. 030675
Flow *irrigation* with an acclimatizing mist [Reforestation]. 030636
Effect of water quality and *irrigation* **frequency** on farm income in the Imperial Valley. 021373
The effects of plant population, *irrigation* **frequency** and cultivars on yield and canning qualities of tomato fruits grown under hot tropical conditions. 027640

The effects of *irrigation* **frequency** and cultivars on premature cracking and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. 030632
Optimization of water use efficiency under high **frequency** *irrigation.* I. Evapotranspiration and yield relationship. 030737
Optimization of water use efficiency under high **frequency** *irrigation.* II. System simulation and dynamic programming. 030738
Effects of *irrigation* on the **[herbicide]** movement of Treflan and Lasso in containers. 030724
Water-salt regime of soils of the **Inguletskii** *irrigation* system. 030748
Use of *irrigation* **installations** in the planting of grape grafts in a nursery. 030155
Some *irrigation* **investigations** in the Mackenzie Country. 030719
The equipment and machine complex for silvicultural operations on *irrigated* **land.** 030087
Application of fertilizers to *irrigated* **lands** of the Volga area [Cereal yields]. 030574
Production of vegetables on *irrigated* **lands** [Yields]. 030670
Effect of **liman** *irrigation* [snowmelt runoff] on soil moisture content and productivity of rangelands. 030761
Irrigation of **lucerne** in its establishment season. 030693
Irrigating for **maximum** alfalfa seed yield. 030642
Irrigation for **maximum** yields [Economic crops]. 030652
Irrigation of **meadows** [Forage plant yields]. 030741
Mechanized *irrigation* of cotton with semirigid pipelines. 030070
A **modern** *irrigation* station [Equipment]. 030104
A note on response of potato to *irrigation* and **nitrogen** in central tract of Uttar Pradesh. 027758
Production potential of sugarbeets under irrigation in the West **Oakes** *Irrigation* District [Yields]. 030640
Pulsating **overhead** *irrigation* and cabbage yields. 030671
Overhead *irrigation* on minor soils. 030680
Evaluation of *irrigated* **pasture** species [Festuca arundinacea, Agropyron elongatum, Dactylis glomerata, cattle]. 023861
Yielding capacity of *irrigated* **pasture** and chemical composition of fodder according to the level of fertilizer application. 030578
Irrigated **pastures** in Nevada [Management]. 027377
Irrigation of **permanent** areas [Cotton]. 030676
Monthly precipitation characteristics in Tottori Prefecture. 1. Normalization of frequency distribution and proable monthly precipitation [for *irrigation* **planning**]. 030740
Leveling of *irrigated* **plots** by the method of local optimization. 030679
Irrigation and **pollution.** 030959
Advection modification of the Priestley and Taylor evaportranspiration formula *[Irrigated* **potatoes,** alfalfa]. 027102
Lack of foliar protection from early blight [Alternaria solani] by aircraft-applied fungicides on *sprinkler-irrigated* **potatoes.** 028070
Technological schemes of [cotton] *irrigation* with the **PPA-165** sprinkler. 030682
Irrigation **rate** according to the growth rate of alfalfa stems. 030677
The rational hydromodule and the *irrigation* **rate** for overhead watering of cultivated pastures. 030722
The nutrient and *irrigation* **regime** of fine-fiber cotton. 027439
Irrigation **regime** of cotton in relation to vertical drainage. 030678
The *irrigation* **regime** of fine-fiber cotton. 030684
Effect of *irrigation* **regimes** on trunk and fruit growth rates, quality and yield of apple trees. 030662
Effects of *irrigation* **regimes** on grape ripening [Composition]. 030744
An *irrigated* **rice** field in Goias. 027444
Use of automatic siphons in **rice** *irrigation.* 030688
On the possible utilization of waters of the Kriviy Torets **River** for *irrigation.* 030746
New technique **saves** *irrigation* water [Beans]. 030634
A device for **saving** *irrigation* water in cotton. 030646
Some principles of agrotechnics in the *irrigation* of **silage** maize. 030742
Management for the control of salts in *irrigated* **soils.** 030582
Use of saline water for *irrigated* **soils** in arid & semi-arid zones of Rajasthan. 030660
Cost of producing crops in the *irrigated* **Southwest.** I. Arizona. 021448
The spread of potato blight, Phytophthora infestans (Mont.) de Bary, as influenced by **sprinkler** *irrigation.* 027909
Use of plastic bags in **sprinkler** *irrigation* of oilpalm nurseries. 030108
A comparison of two drip irrigaton schedules with **sprinkler** *irrigation* in Thornless Evergreen blackberries. 030727
Inter-row cultivation and *irrigation* of **sunflower** stands. 027572
The **Technical** *Irrigation* Society, Limited. 030687
The problem of improving the *irrigation* **technology** of cotton. 030685
Using the coefficient of extinction in determining quality and quality of humus compounds by spectrophotometry in soils under *irrigation* for a long **time.** 030384
Trickle *irrigation:* guidelines for use in the home garden. 030718
Hydraulic standpipes for **underground** *irrigation* pipelines. 030069
Irrigating from the **underground** [Costs]. 030698
Unique *irrigation* system enhances Tampa citrus grove. 030645
Survival of enteroviruses on **vegetables** *irrigated* with chlorinated oxidation pond effluents [Wastewater treatment]. 021904
Utilizing waste waters of **Voroshilovgrad** for *irrigation.* 030747
Dissemination of weed seeds by *irrigation* **water.** 028615
Water balance investigations in regions of **well-developed** *irrigated* agriculture (exemplified by the Syr-Darya basin). 030783
Production potential of sugarbeets under *irrigation* in the **West** Oakes Irrigation District [Yields]. 030640
Care of the early potato under *irrigation* **[Yields].** 030669

ISCHNURA

Modeling arthropod predation: wasteful killing by damselfly naiads [Anomalagrion hastatum, *Ischnura* **ramburii**]. 029319

ISOALLELIC *see* ALLELE

ISOCITRIC

Ratio between citric acid and *isocitric* **acid** in orange juices. 022893
Determination of *D-isocitric-acid* in **currant** products. 023002

ISODON

Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of *Isodon* **japonicus** Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463

ISOENZYMES

Isoenzyme **changes** during the growth cycle of Paul's Scarlet rose cell suspensions. 027246
Properties of erythrocytic acid phosphatase in sheep and the *isoenzymes* of **erythrocytic** acid phosphatase in sheep and goats. 023253
Microbes from soybeans. Inhibition of growth by **lipoxygenase** *isoenzyme.* 022848
Intracellular localization and some properties of two aldehyde **oxidase** *isoenzymes* (EC 1.2.3.1) in potato tubers (Solanum tuberosum). 027128
Serum alkaline **phosphatase** *isoenzymes* in beef cattle. 023637
Isoenzymes of **phosphorylase** in sugarbeet L. And related species. 026897
Isoenzyme **polymorphism** in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to chemical inhibitors. 027053
Rough lemon tree decline [Phytophthora] peroxidase activity, *isoenzymes* and **respiration** rate of the leaves. 027892

ISOEUGENOL

Studies on the flavor of "Katsuobushi" [seafood]. VI. **Isolation** of *isoeugenol.* 022409

ISOFLAVONOIDS

Isoflavonoids from **Cyclolobium** species. 026742
The *isoflavonoids.* 026583
Isoflavonoids of **Mildbraedeodendron** excelsa. 027333

ISOGENIC

The question of grain content and forage quality in maize: comparisons between *isogenic* **fertile** and sterile plants. 026191
Comparative changes in hardiness and lipid composition in **two** *near-isogenic* lines of wheat (spring and winter) grown at 2 degrees C and 24 degrees C [centigrade]. 026927

ISOIMMUNIZATION

Isoimmune **anti-A** blood group reagents in pigs. 024404

ISOLEUCINE

Effect of *isoleucine* **deprivation** on rabbitpox virus DNA synthesis in mouse L cells. 024602
Amino acid requirements of the young turkey: leucine, *isoleucine* and **valine.** 023711

ISOMERS

The kinetics of *isomerization* of **delta** 3-karene in the presence of a titanium catalyst. 025347
Comparison of *isomers* of **fluorophenylalanine** as inhibitors of ion transport across barley roots. 026901
Synthesis and herbicidal activity of the **optical** *isomers* of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485
Isomerization of **resin** turpentine without pinene on a titanium catalyzer in the liquid phase. 025310
Gas chromatographic characteristics of authentic chlorinated dibenzofurans; identification of **two** *isomers* in American and Japanese polychlorinated biphenyls. 029108

ISOPEROXIDASES

Occurrence of some enzymes in starchy endosperm and hormonal regulation of *isoperoxidase* in **aleurone** of wheat. 027026

ISOPODS

Light and electron microscopy of the hepatopancreas of the *isopod* **Acellus** intermedius. 029293
Ultrastructure of the pigmentary system and chromatophorotropic activity in **land** *isopods.* 029254
Osmotic interrelationship between blood and gut fluid in the *isopod* **Porcellio** scaber Latr. (Crustacea). 029312

ISOPROPANOL

Fractionation of edible **oils** from *isopropanol.* 022540

ISOPROPYL

Isolation and structure of *1-hydroxy-7-methoxy-4-isopropyl-1,6-dimethyl-2(1H)-naphthalenone* from **cotton.** 026982
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to *isopropyl* **methanesulfonate.** 024155
Synthesis and herbicidal activity of the optical isomers of O-ethyl **O-2-nitro-5-methylphenyl** *N-isopropyl* phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485

ISOPROTERENOL

Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats **following** *isoproterenol-induced* myocardial infarction with superimposed diabetes. 022162

ISOPTERA

Non-reproductive castes and their development in Nasutitermes exitiosus **(Hill)** *(Isoptera).* 029379
The apical tibial spur formula in the termite genus Odontotermes **Holmgren** *(Isoptera:* Termitidae: Macrotermitinae). 029597
Digestion and absorption of carbohydrates in Odontotermes **obesus** *(Isoptera:* Termitidae). 029329
Termite *(Isoptera)* suppression with toxic [wood] baits. 028928
Growth of the tracheae during the development of physogastry in the queen of higher **termites** *(Isoptera:* Termitidae). 029385
Growth of mounds and foraging territories in Odontotermes redemanni (Wasmann) *(Isoptera:* **Termitidae).** 029375

ISORHYNCHOPHYLLINE *see* RHYNCHOPHYLLINE

ISOTHERM

Adsorption of casein on arginine-agarose column with **Langmuir-type** *isotherm.* 022593

ISOTOPES

Lead-210 *[isotope]* **assay** in soil and plant material using Cerenkov radiation [Pollution]. 030821
The effect of zinc and phytic acid on the incorporation of 1-14C **[carbon** *isotope]-acetate* into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
Effects of chronic ethanol intake on metabolic conversions of 14C **[carbon** *isotope]* erucic acid by the livers of rats fed with rapeseed or groundnut oil. 022144
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C **[carbon** *isotope]magnetic* resonance relaxation data [Calves]. 023301
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] **[carbon** *isotope]* estrone. 023356
Distribution volumes of [131I] [iodine isotope] albumin, [14C] **[carbon** *isotope]* sucrose, and 36Cl [chlorine isotope] in sheep lung. 023460
A convenient biological synthesis of 19-hydroxy[4-14C] **[carbon** *isotope]4-androstene-3,17-dione* from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505
The in vivo metabolism of [14C **[carbon** *isotope]]* histamine during pentagastrin-stimulated acid secretion in the cat. 023555
Comparison of the rate of absorption and proteolysis of [14C] **[carbon** *isotope]choleragen* and [14C]bovine serum albumin in the rat jejunum. 024571
Investigations of the impregnating behaviour of tributyl-tin oxide in different wood preservative formulations with the help of an active substance labelled with **carbon** *isotope.* 025374
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C **[carbon** *isotope])methionine.* 026398
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C **[carbon** *isotope])* acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463
The structures of C17 **[carbon** *isotope]-obtusilactone* dimer and two C21-obtusilactones [Lindera obtusiloba]. 026851
Application of **carbon** *isotope* fractionation by plants to ecosystem investigations. 026856
Red light effect on asp-U-14C **[carbon** *isotope]* incorporation in the soluble fraction of Zea mays L. 027065
Investigation on the long distance transport of some foliar applied 14C **[carbon** *isotope]-labeled* amino acids [Kidney beans]. 027129
Time-course of 14C **[carbon** *isotope]-sucrose* translocation by successive leaves of Hibiscus esculentus L. (Okra). 027130
14C **[carbon** *isotope]* incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in green gram [Mung beans]. 027164

Some aspects of absorption, translocation and metabolism of 14C [**carbon** *isotope]-picloram* in gorse [Ulex europaeus]. 028569
Bioaccumulation of 14C [**carbon** *isotope]-DDT* in a small pond [Water pollution]. 030875
Measurement of the uptake of a 14C [**carbon** *isotope]-labelled* fluorescent whitening agent by fish from water and througha model food chain. 030881
Effects of metiamide on distribution of **14C**[**carbon** *isotope]-histamine* in aortic smooth muscle [Rabbits]. 023261
The kinetics of incorporation in vivo of [**14C**][**carbon** *isotope]* acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, **cerium** *isotope]* as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541
Long-lived radionuclides in food: 90Sr and 137Cs [strontium and **cesium** *isotopes]* in the Israel diet. 021875
Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] sucrose, and 36Cl [**chlorine** *isotope]* in sheep lung. 023460
51Cr-EDTA, 91Y and 141Ce [**chromium** *isotope-ethylenediamine,* tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541
Display of two reaction patterns after exposure of barley seeds to gamma radiation of 60Co [**cobalt** *isotope]* in air. 026916
Effect of irradiation with 60Co [**cobalt** *isotope]* on transfer and motility of sperm and on mating of the tobacco budworm[Heliothis virescens]. 028739
Deuterium *isotope* effects in Nicotiana tabacum [Tobacco]. 026928
Deuterium *isotope* effects in Nicotiana tabacum [Tobacco]. 026929
The practice of the **direct** *isotopic* dilution method of determining the sucrose content in sugarbeet digestion liquids. 022857
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, *isotopic* **distribution** and the probable mechanism of tumor induction. 024867
A Cesium-134 trap for *isotope* use [in **entomological** research]. 029353
Uptake of the sex pheromone 3H [**hydrogen** *isotope]* bombykol and related compounds by male and female Bombyx [mori] antennae. 029840
Distribution volumes of [131I] [**iodine** *isotope]* albumin, [14C] [carbon isotope] sucrose, and 36Cl [chlorine isotope] in sheep lung. 023460
Simultaneous counting of 85Kr [**kypton** *isotope]* in lung and myocardium during measurement of coronary blood flow [Dogs]. 023472
A biosynthesis chamber system for the production of *isotopically* **labeled** tobacco. 026970
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its *isotope* **labelled** form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
New *isotope* methods for estimating milk intake and yield [Calves]. 023769
The initial organic products of fixation of 13N [**nitrogen** *isotope]-labeled* nitrogen gas by the blue-green alga Anabaena cylindrica. 026395
Admission of N15 [**nitrogen** *isotope]* into the flowering glumes and separate parts of the caryopsis in wheat. 026946
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [**nitrogen** *isotope]-labeled* ammonium sulfate. 026975
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [**nitrogen** *isotope]* by a soil culture [of microorganisms; phytotoxicity assay with wheat seedlings]. 028536
Relative mineralization rates of indigenous and recently incorporated 15N [**nitrogen** *isotope]-labeled* nitrogen [in soils]. 030529
Absorption and distribution of 32P [**phosphorus** *isotope]-labeled* diisopropyl fluorophosphate in the laying hens. 023345
The effect of luteineizing hormone on chicken testis and pineal gland uptake of 32P [**phosphorus** *isotope].* 024070
High resolution 31P [**phosphorus** *isotope]* nuclear magnetic resonance studies of intact yeast cells. 026811
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, translocation and distribution of 32P [**phosphorus** *isotope]* in cotton plants under different light conditions. 026945
Dispersal and mating in the field by male pink bollworm, Pectinophora gossypiella, labeled with 32P [**phosphorus** *isotope].* 026952
Dispersal of 32 **P**[**phosphorus** *isotope]-treated* larvae of Spodoptera litura and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the wind direction]. 028714
Influence of acute tissue injury on in vitro incorporation of 6 5 Zn [**zinc** *isotopes]* by sheep erythrocytes. 024966

ISOZYMES

Lipoxygenase *isozymes* of peanut. 022798
Conversion of potato **phosphorylase** *isozymes.* 027245
The *isozymic* **similarity** of indoleacetic acid oxidase to peroxidase in birch and horseradish. 027338

IVY

Unusually severe granulation of winter stores caused by nectar from *ivy.* **Hedera** helix, in Ireland [Honey]. 022489
Mortal poisoning of chickens by *ivy* [**Hedera** helix] seeds. 024985

IXODES

The trans-stadial transmission of the bovine farcy organism, Nocardia farcinica, by the *ixodid* **Amblyomma** variegatum (Fabricius, 1794). 024743
Nosema slovaca sp. N.: a second microsporidian of the **tick** *Ixodes* ricinus. 029427

IXODIDAE

The effect of mean winter temperature around o degrees centigrade on the population size of the American dog tick, Dermacentor variabilis, Say. (**Acarina:** *Ixodidae).* 029195

JAMS

Autumn: silkworm [Bombyx mori] variety "Jam 113 X *Jam* 114". 029855

JEJUNUM

Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]choleragen and [14C]bovine serum albumin in the **rat** *jejunum.* 024571

JELLY

Studies on protein in **royal** *jelly* [of Apis mellifera]. I. Solvent fractionation of protein and amino acid composition of each fraction. 029775
Control of dimorphism in the female honeybee [Apis mellifera]. 4. Techniques for fractionating **royal** *jelly* into its major components. 029808

JOINTWORMS

Kinkora: a *jointworm-resistant* **barley** [cultivar]. 027382

JOWAR *see* DURRA

JUGLANS

Extension of the area of distribution of *Juglans* **cinerea** L. In Quebec. 025152
Some recommendations concerning the walnut tree *[Juglans]* in our **country.** 025234
Kansas State University forestry research: background and current status *[Juglans* **nigra,** Populus]. 025192
Wood production from *Juglans* **nigra.** 025281
Uptake, distribution, and degradation of simazine by black walnut *[Juglans* **nigra]** and yellow-poplar [Liriodendron tulipifera] seedlings [Herbicides]. 028624

JUGULAR

Amino acid absorption by *portal-jugular* **venous** differences in sheep fed two maturities of alfalfa hay. 023756
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in *jugular* **venous** plasma in cows prior to and during oestrus. 024134

JUICES

A micromethod for lead in canned **baby** *juices.* 021940
Thermal phenomena and structural behaviour of **fruit** *juices* in the pre-freezing stage of the freeze drying process. 022905
Ratio between citric acid and isocitric acid in **orange** *juices.* 022893
Modified method for the estimation of ascorbic acid from **preserved** *juices* and squashes. 022164
Studies on the color-development of meat products by some **vegetable** *juices.* I. On the mechanism of coloring and substances relating to it. 022648
Freeze concentration of **vegetable** *juices.* 022903

JULIDAE

A consideration of the subgenus Metgaschizophyllum of the diplopod genus **Ommatoiulus** *(Julidae)* [New taxa]. 029668

JUNIPERS

Prescribed burning—effective control of sagebrush and **open** *juniper* [Artemisia, Juniperus, range management]. 028595

JUNIPERUS

Aperture in the exine and external intine of the pollen of *Juniperus* **chinensis** L., and Juniperus communis L. 026045
Prescribed burning—effective control of sagebrush and open juniper [Artemisia, *Juniperus,* **range** management]. 028595
Results of marketing Louisiana-grown Christmas trees [Pinus, *Juniperus* **virginiana,** Cupressus arizonica]. 025460
Exposure to an environment containing the aromatic red cedar, *Juniperus* **virginiana:** procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683

JUTE

Jute and **kenaf** production down in 1975-76. 021641
Committee on Commodity Problems, Intergovernmental Group on *Jute,* **Kenaf** and Allied Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. 021662
The life history of Craspeduchus pulchellus, a lygaeid new to the United States (Hemiptera: Lygaeidae) [found on *Corchorus* **siliquosus].** 029359

JUVENILE

Activity of *juvenile* **hormone** analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. 028644
Polymorphism and sensitivity to a *juvenile* **hormone** analogue in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Imaginal differentiation of the spermiduct in Acridids: effects of *juvenile* **hormone** [Locusta migratoria, Schistocerca gregaria]. 029197
Biochemical aspects of *juvenile* **hormone** action in insects. 029202
Dynamics of *juvenile* **hormone** action in larvae of the tobacco hornworm, Manduca sexta (L.). 029252
Juvenile **hormone** titers in hemolymph during late larval development of the tobacco hornworm, Manduca sexta (L.). 029253
Influence of a *juvenile* **hormone** analogue on the ovarian function in allatectomised females of Labidura riparia (Insecta, Dermaptera). 029269
Juvenile **hormone** titre in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Approaches to the biosynthesis of the [Hyalophora] cecropiaC [carbon] 18 *juvenile* **hormone.** 029405
Photoracotropic, chromatotropic and juvenilizing actions of *juvenile* **hormone-III** on Schistocerca gregaria Forsk. 029452
Influence of semipurified constituents of *juvenile* **jack** pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
Effect of **synthetic** *juvenile* hormone analogues on the silkworm Bombyx mori L. 029865

KAKI

Studies on the canning of non-astringent persimmon (Buyu: **Diospyros** *kaki.* L.) produced in Korea. 022975

KALE

Kale **[Culture].** 027808
Marrowstem *kale* as the main crop [Forage plants, yields]. 027368
The effect on the yields of barley and *kale* of **soil** conditions induced by cultivation at high moisture content. 027422
The feeding value of *kale* and **swedes** [Cattle]. 023689

KANGAROOS

Photoperiodic induction of diapause in the *kangaroo* **tick** Ornithodoros gurneyi Warburton (Acarina: Argasidae). 029022

KAOLINITE

Electrical potentials during water entry into an air-dry mixture of sand and *kaolinite* **[Soil-particle** surfaces]. 030338

KAPOK

Influence of *kapok* **meal** for gilts. 023839

KARAKUL

Phenotypic relationships between relatives in the **Neudamm** *Karakul* stud [Sheep]. 023974

KARYOLOGY

Karyological **data** on some species of the genus Cura (Tricladida, Paludicola). 025667
Karyological **study** of some Pinguicula of Greece and Turkey, particularly the Pinguicula hirtiflora Ten. complex [Cytotaxonomy]. 025611
A *karyological* **study** of nine species of Torymus (Hymenoptera: Torymidae). 029555

KARYOTYPES

Intraspecific *karyotypic* differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The chromosome races and their structural and evolutionary relationships. 029300
Electron microscopic observations on the **meiotic** *karyotype* of diploid and tetraploid saccharomyces cerevisiae [Yeasts]. 026236

KATYDIDS

The male of the South **American** *katydid* genus Phlugiola [redtenbacheri], and a new related genus [Lucienola] from the Solomon Islands (Orthoptera: Tettigoniidae, Meconematinae). 029661

KAURENE

Comparison between biosynthesis of *ent-kaurene* in **germinating** tomato seeds and cell suspension cultures of tomato and tobacco. 027264

KAURI
Kauri [**Agathis** obtusa] forests in the New Hebrides. 025155
The management of *Kauri* **forests:** a historical review of government policy and a proposal for the future. 025151

KELP *see* SEAWEED

KENAF
Committee on Commodity Problems, Intergovernmental Group on Jute, *Kenaf* and **Allied** Fibres, tenth session; Rome, 21-23 May 1975. The statistical situation. 021662
Supplement of rice straw for sheep with *kenaf* **leaf** [Hibicussabdariffa] or alfalfa meal. 023844
Jute and *kenaf* **production** down in 1975-76. 021641

KENNELS
Seroepizootiological studies on the importance of parainfluenza 2 infection in *kennel* **cough** in Germany [Dogs]. 024804

KERATINS
Amino acid composition of *keratins* of **chimeric** neoptile feathers resulting from heterospecific ecto-mesodermal recombinations between the chick and the duck. 023348
Studies on the solubilization of keratin. VI. The solubilization of [chicken] **feather** *keratin* by oxidation with performic acid. 022731
The isolation and characterization of [mammalian] *alpha-keratin* **microfibrils.** 022646
Studies on the solubilization of *keratin.* VI. The **solubilization** of [chicken] feather keratin by oxidation with performic acid. 022731
Kinetic studies of the tryptophan triplet state in solid film and in **wool** *keratin.* 022697

KERATOCONJUNCTIVITIS
Observations on bovine **infectious** *keratoconjunctivitis* in the Ivory Coast. I. Microbiological aspects. 024640
Observations on cattle **infectious** *keratoconjunctivitis* in Ivory Coast. II. Study of the ophthalmotropic lepidoptera as vector. 024641

KERNELS
Correlation between potassium and lysine content in the *kernels* of **normal** and opaque (O2) corn. 026138
Analysis of mesocarp and *kernel* **oils** from the American oil palm and F1 hybrids with the West African oil palm. 022789
Palm *kernel* meal as the major protein concentrate in the diets of pigs in the tropics. 023778
Egyptian **prunes** *kernel* seeds [Nutritive value]. 022075
Extracting plants: palm oil and *kernel* **recovery** [Industry and agriculture, Guatemala]. 021217
Effects of temperature on the bran layers of **rice** *kernels.* 022744
Distribution of bound auxins in *kernels* of **sweet** corn (Zea mays L.). 027067

KEROSENE
Occurrence of *kerosene-like* **hydrocarbons** in the bream, Mylio australis Gunther [Taint]. 021850

KETOGENESIS
On the mechanism of *ketogenesis* and its **control:** purification, kinetic mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from Ox liver. 023395
Aspects of *ketogenesis:* **control** and mechanism of ketone-body formation in isolated rat-liver mitochondria. 023589

KETOGLUTARATE
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of *alpha-ketoglutarate* and 15N [**nitrogen** isotope]-labeled ammonium sulfate. 026975

KETONES
The metabolism of lipids in mouse pancreatic islets. The oxidation of fatty acids and *ketone* **bodies.** 023292
Aspects of ketogenesis: control and mechanism of *ketone-body* **formation** in isolated rat-liver mitochondria. 023589
Employ of industrial by-products containing carbohydrates for acid, alcohol, aldehyde and *ketone* **production** [Fermentation]. 022478
Terebenthifolic acid and bauerenone: new **triterpenoid** *ketones* from Schinus terebenthifolius. 026766

KHAYA
The meliacins (limonoids): minor constituents of *Khaya* **anthotheca:** reduction of the meliacins with zinc-copper couple. 027325

KIBBUTZ
On the relation between milk production and fertility in *Kibbutz* **dairy** cattle herds. 024085
Relative advantages enjoyed by *Kibbutz* **industry** [collectivefarm] in the free trade between Israel and the Common Market. 021574

KIDNEYS
Immunosuppression in rabbits: skin and *kidney* **allografts.** 024340
Histochemical investigation on the kidney of vertebrates. VI. The **avian** *kidney.* 023267
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in *[kidney]* **bean.** 028262
The nature of *[kidney]* **bean** yield reduction by bean yellow and bean common mosaic viruses. 028263
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility *[Kidney* **beans,** rape, sesame, cotton, cowpeas]. 022787
Factors affecting the molecular structure and the agglutinating ability of concanavalin A and other lectins *[Kidney* **beans,** wheat, soybeans]. 026954
Precipitation reactions between components of plant tissue extracts [Jackbeans, *kidney* **beans,** pigeon peas]. 027123
Investigation on the long distance transport of some foliar applied 14C [carbon isotope]-labeled amino acids *[Kidney* **beans].** 027129
Appraisal of ethylene production as a test for defoliants *[Kidney* **beans].** 027186
Studies on hook-opening in Phaseolus vulgaris L. *[Kidney* **beans],** by selective R/FR pretreatments of embryonic axis and primary leaves. 027221
Preparation and purification of an enzyme system for ethylene synthesis from acrylate *[Kidney* **beans].** 027231
Auxin transport inhibitors fluorescein and related compounds *[Kidney* **beans].** 027260
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris *[kidney* **beans]** with tritium labeled uredospores of Uromyces phaseoli. 027908
Partial purification and serological relationship of three strains of bean yellow mosaic virus *[Kidney* **beans,** peas]. 028217
Systemic infestation by cucumber mosaic virus on *kidney* **beans** (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Photosynthetic reduction of nitrite gas injury to vegetables [Cucumbers, *kidney* **beans].** 028316
Effect of volatile substances from species of Labiatae on rhizospheric and phyllospheric fungi of Phaseolus vulgaris *[Kidney* **beans].** 030282
Studies on the cultivation of **buffalo** *kidney* cells in tissue culture. 023431
Plaque assay and primary isolation of influenza A viruses in an established line of **canine** *kidney* cells (MDCK) in the presence of trypsin. 024786
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian infectious bronchitis virus in **chick** *kidney* cells. 024420
On the control of arginine metabolism in **chicken** *kidney* and liver. 023394
Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK **[chicken** *kidney]* attenuated virus. 024482
The effect of distant nodulation on the activity of nodules in pea (Pisum sativum L.) and **dwarf** *kidney* bean (Phaseolus vulgaris L.). 027290
Morphological study of the *kidney* in the **fowl.** II. Renal portal and venous systems. 023569
Some studies on the production of **goat** *kidney* cortical cell monolayers. 023368
Defective interfering particles of Semliki Forest virus generated in BHK [baby **hamster** *kidney]* cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504
New **improved** *kidney* bean varieties for internal comsumption and export [Breeding for mosaic resistance, Chile]. 026281
The connective tissue skeleton in the **mammalian** *kidney* and its innervation [Includes livestock]. 023174
The effects of Mycoplasma hyorhinis and of Mycoplasma hyopneumoniae on **pig** *kidney* primary tissue culture. 024480
Plaque assay of rabies virus on **porcine** *kidney* cell monolayers. 024592
Gluconeogenesis in the *kidney-cortex* **slices** of normal fed and starved sheep. 023660
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the fatty liver and *kidney* **syndrome** in broilers [Chickens]. 024829
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and **tissues** *(kidney,* liver, small intestine, bone) of cattle. 023251
Histochemical investigation on the *kidney* of **vertebrates.** VI. The avian kidney. 023267

KINASES
Inactivation of rabbit, pig, and carp **adenylate** *kinases* by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298
Production by creatine of **creatine** *kinase* B synthesis in developing monolayer culture muscle cells [Chick embryos]. 023312
Alpha-glycerol phosphatase and **glycerol** *kinase* activities in tissues of the silkmoth Hyalophora cecropia during the larval-pupal transformation. 029725
Photoactivation of NAD [nicotinamide adenine dinucleotide] *kinase* through **phytochrome** [from Avena coleoptiles]. 026790
Influence of double infections on the induction of **thymidine** *kinase* by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423

KINEMATICS
Kinematic **criteria** for the designing of top-unloader silo. 029974

KINETINS
Kinetin **effects** on carotenoids and chlorophylls of Spirodela polyrrhiza (L.) Schleiden under light and darkness. 026701
Effect of gibberellic acid, *kinetin,* and **ethylene** plus carbon dioxide on the thermodormancy of lettuce seed (Lactuca sativa L. cv. Mesa 659). 027268
The influence of gibberellic acid and *kinetin* on the **growth** of Scenedesmus quadricauda (Turp.) Breb. [Algae]. 026337

KITCHENS
Come on into the **metric** *kitchen* [Cooking measurements]. 022198
Behind every *kitchen* **success** stands the right oven. 022325
Notre Dame **welds** *kitchen* efficiency to gothic dignity. 022330

KLEBSIELLA
The identification of equine genital strains of *Klebsiella* and **Enterobacter** species. 024512
Mastitis in sows [Escherichia coli, *Klebsiella,* **swine].** 024668

KNEES
Release of prostaglandins in the *knee* **joint** of the dog during local Shwartzman-like reaction. 023329

KNIGHTIA
Structures of some *Knightia* **deplanchei** alkaloids. 026653

KNIT
Sewing **tips** for *knits.* 022235

KNIVES
Possibilities of a further increase of the service life of *knives* of the **rotary** grass cutter RZS-160. 030004

KNOTS
Effects of *knots* on the **mechanical** properties of plywood from Indian wood species. 025372
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita *[root-knot* **nematode]** on tomato. 028147
A resistant response of citrus roots to the *root-knot* **nematode,** Meloidogyne javanica. 028390
Isolation, purification and characterization of a trypsin-like protease from the *root-knot* **nematode,** Meloidogyne incognita. 028404
Preliminary attempts to reduce **root** *knot* nematode [Meloidogyne hapla] infestations on Chinese gooseberry roots. 028424

KOCHIA
Postemergence control of *Kochia* **[scoparia]** and Russian thistle [Salsola kali tenunifolia] in early spring [Sugarbeets]. 028490

KOHLRABI
Ultrastructural study of *[kohlrabi* and **barley]** chloroplasts isolated by various fractionation methods. 025935

KRAFT
The influence of wood and fiber properties on *kraft* **converting-paper** quality [Tsuga heterophylla]. 025512
Color removal from *kraft* **effluent** by ultrafiltration with new polymeric membranes [Pollution]. 030968
Oxygen-bicarbonate bleaching of *kraft* **pulp.** 025489
Washing of pulps. 2. The sorption of Na, Mg and Ca [sodium, magnesium, calcium] on *kraft* **pulp.** 025497
Strength properties of flooded timber and its utilization for *kraft* **pulp.** 025541
The formation of carboxylic acids from wood polysaccharides during *kraft* **pulping.** 025472

KRASNOZEM
Microbiological and fermentative activity of Gley-Podzol and *Krasnozem* **soils** under various moisture content. 030375
The effect of fertilizers on the activity of invertase in *Krasnozem* **soils.** 030536

KUDZU
The study of the aqueous extract of Pueraria *[kudzu]* **radix.** I. The preparation and the components of the active extract. 026983
The study of the aqueous extract of Puerariae *[kudzu]* **radix.** II. The biological difference between the active extract (MTF-101) and acetylcholine. 026984

LABELING
Incorporation of *labelled* **amino** acid into ova during ovarian development in the silkworm, Bombyx mori L. 029864
The interaction of N-acetylglucosamine and an *affinity-label* **analogue** with alpha-lactalbumin [whey protein of milk] andlactose synthetase. 022563
Beer *labeling* from the competitive legal view. 021695
Canada to require **bilingual** *labeling* of imported foods. 021889
Investigation on the long distance transport of some foliar applied 14C **[carbon** *isotope]-labeled* amino acids [Kidney beans]. 027129

Measurement of the uptake of a 14C [**carbon** *isotope]-labelled* fluorescent whitening agent by fish from water and througha model food chain. 030881
The measurement of protein turnover by **density** *labelling* [Lemna minor]. 026399
Labeling **diet** beer according to the diet ordinance. 021696
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its *osotope-labelled* **form** (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
Glucose turnover values in the dog obtained with various species of *labeled* **glucose.** 023214
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its **isotope** *labelled* form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
A biosynthesis chamber system for the production of **isotopically** *labeled* tobacco. 026970
The initial organic products of fixation of 13N [**nitrogen** *isotope]-labeled* nitrogen gas by the blue-green alga Anabaena cylindrica. 026395
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [**nitrogen** *isotope]-labeled* ammonium sulfate. 026975
Relative mineralization rates of indigenous and recently incorporated 15N [**nitrogen** *isotope]-labeled* nitrogen [in soils]. 030529
Balancing the costs and benefits of **nutrient** *labeling.* 022256
Nutrition *labeling* - tools for its use. 022255
Absorption and distribution of 32P [**phosphorus** *isotope]-labeled* diisopropyl fluorophosphate in the laying hens. 023345
Dispersal and mating in the field by male pink bollworm, Pectinophora gossypiella, *labeled* with 32P [**phosphorus** isotope]. 026952
In vitro radiolabeling procedure which *labels* the **proteins** of Newcastle disease virions with carbon-14 [Chick embryos]. 024575
Investigations of the impregnating behaviour of tributyl-tin oxide in different wood preservative formulations with the help of an active **substance** *labelled* with carbon isotope. 025374
Trade *labeling* problems of dairy products. 021943
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with **tritium** *labeled* uredospores of Uromyces phaseoli. 027908

LABIATAE

A new species of **origanum** *(Labiatae)* from Libya. 025573
Effect of volatile substances from species of *Labiatae* on **rhizospheric** and phyllospheric fungi of Phaseolus vulgaris [Kidney beans]. 030282

LABIDURA

Influence of a juvenile hormone analogue on the ovarian function in allatectomised females of *Labidura* **riparia** (Insecta, Dermaptera). 029269

LABOR

Problems on the automation of the function of forest cadre **accounting** *[Labor].* 025125
Basic *labor* productivity measures for popular breakfast menu items [Food service industry]. 022157
About *labor* **conditions** of temporary workers and employees [in agriculture]. 021118
Effects of rural industrilization on *labor* **demand** and employment. 021746
Effects of liquid manure management on the *labor* and **economics** of grassland and arable land farms [West Germany, Austria]. 030422
1972 survey on the trends of **farm** *labor* in Japan. 021324
Turnovers correlated with maximum and minimum manual labor [**Forest** *labor,* work management]. 025105
Ways of **increasing** *labor* productivity in sheep raising. 021344
Estimation of **industry** *labor* income multipliers for county groupings in Missouri [Farming]. 021436
Labor **issues** confronting the Florida citrus industry. 021258
What form is better? *[Labor* **management** in cotton growing farms]. 021290
Turnovers correlated with maximum and minimum **manual** *labor* [Forest labor, work management]. 025105
Contribution to a suitable, *labor-saving* **method** of confining cows in stanchions [Equipment]. 030015
A melon pickup machine for reducing **onerous** *labor.* 030140
On uniform utilization of *labor* **resources** in agriculture of the Crimea. 021341
Note on impact of new technology on employment and earnings of **rural** *labour.* 021244
New one-pan cooking **saves** *labor.* 022301
An aseptically and *labour* **saving** method of handling starter cultures [for dairy products]. 022633
Calculation of prime costs of *labor* in **service** of aircraft for plant protection. 021454
Smaller output of spray and higher productiveness of *labor* [**Sugarbeet** pest control, weevils]. 028807
Temporary *labour* migration between Tonga and New Zealand. 021115
Recent developments in mechanization and *labour* **utilization** in bulb forcing. 021235

LAC

Plant species checklist for the *Lac* **des** Allemands swamp area of Louisiana. 025739

LACCASE

Production of ethylene and other volatiles and changes in cellulase and *laccase* **activities** during the life cycle of the cultivated mushroom, Agaricus bisporus. 027194

LACEWING

Relative toxicity of some important insecticides to the adults of *lacewing* **bur** Urentius echinus Distant (Heteroptera: Tingidae) [Eggplant pests]. 028846
Rearing a **green** *lacewing,* Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis mellifera] brood. 029258
Improved rearing unit for larvae of a common **green** *lacewing* [Chrysopa carnea]. 029401
Revision of the *lacewing* **subfamily** Crocinae (Neuroptera: Nemopteridae) [New taxa]. 029580

LACHNIDAE

Is there an apparent rhytmn of *Lachnidae* **yearly** occurrence, especially in honeydew producers on Abies? 029247

LACTALBUMINS

The interaction of N-acetylglucosamine and an affinity-label analogue with *alpha-lactalbumin* [**whey** protein of milk] andlactose synthetase. 022563

LACTATES

The diagnostic and prognostic value of *lactate* **determinations** in horses with acute abdominal crisis. 024332

LACTATION

Control of estrus in *lactating* **beef** cows with prostaglandin F-2alpha and estradiol benzoate. 024089
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of delta4-3-oxo steroids in the rat after weaning or treatment with **2-bromo-alpha-ergocryptine** during *lactation.* 023282
Milk secretory response of the **conscious** *lactating* rat following intravenous injections of rat prolactin. 023510
Winter feeding of *lactating* **cows** [Dairy cattle]. 023729
Use of soybeans in the feed rations of *lactating* **cows.** 023943
Sodium cloxacillin for treatment of mastitis in *lactating* **cows.** 024597
Relationships between clinical zinc deficiency symptoms and zinc status in *lactating* **cows.** 024935
Formaldehyde treated whey protein concentrate for *lactating* **dairy** cattle. 023767
No associative effects between corn and haycrop silages fed to *lactating* **dairy** cows. 023770
Chronic fibrous teat end lesions of *lactating* **dairy** cows. 024823
A study on relationship of persistency [of the **first** *lactation]* with other first production traits in Indian water buffaloes. 023429
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during **first** *lactation* for two groups calving at the same months of age. 023878
Influence of Holstein-Friesian [cattle] mating on **first** *lactation* performance under various environmental conditions. 024235
Changes in milk composition during *lactation* in the **guinea-pig,** and the effect of prolactin. 023513
Effect of protein concentration in the diet on blood composition and productivity of *lactating* **Holstein** cows under thermal stress. 023750
Nonequilibration of acetyl units from fatty acids and glucose in mammary **glands** of *lactating* **mice.** 023511
Role of *lactation* in the **nutrition** of low socio-economic groups. 022081
Studies on milk production in cattle. II. Usefulness of **partial** *lactation* records for selection. Relations between partial, last test day and total yields. 024019
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on *lactation* **performance,** digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Partial milk yield and age at first calving as the measures to **predict** *lactation* yield in Jersey cattle. 024081
Influence of sex of the calf and order of *lactation* on **reproductive** efficiency in dairy animals. 024080
A comparison of the performance of Dorset, Coriedale and Romney **sheep** during *lactation.* 023618
Water balance of **small** *lactating* rodents. II. Concentration and composition of milk of females on ad libitum and restricted water intakes. 023379
Effect of level of feeding during *lactation* on **sow** and pig performance. 023761
Feeding the *lactating* **sow.** 023805
Choline in the **sow** *gestation-lactation* diet. 023886
Induction of gestation during *lactation* in the **sow.** 023987

LACTIC

Lipolysis by *lactic* **acid** bacteria recognized through color changes of dye-stained butterfats on double-layered agar plates. 022612
Use of gas chromatography to determine the *lactic* **acid** in silage. 023051
Studies on the contents of free amino acids, inosinic and *lactic* **acids** in the lean meat from pigs of different body weights at slaughtering. 022647
Feeding errors which **cause** *lactic* acidosis in ruminants. 023787
Nature of the stimulus of the copulation-induced rise in *lactic* **dehydrogenase** activity in the rabbit oviduct. 024123
Fermented *lactic* acid products and their dietetic properties: yoghurt, bioghurt and biogarde. 022581
Fermented *lactic* acid products and their dietetic properties: yoghurt, bioghurt and biogarde. 022582
Preservation of mixed **species** *lactic* starter concentrates by freezing and lyophilization methods. 022616

LACTOBACILLUS

Effects of H2O2 [hydrogen peroxide] and oxidation-reduction enzymatic systems on the culture of some lactobacilli [Lactobacillus lactis, *Lactobacillus* **bulgaricus].** 022625
Relation of cheddar cheese ripening to bacterial lipolysis *[Lactobacillus* **casei,** L. plantarum]. 022559
Serum cholesterol and bowel flora in the newborn [Escherichia **coli,** *Lactobacilli].* 022008
Growth of bacteria [Serratia liquefaciens, Hafnia, *Lactobacillus]* **isolated** from vacuum-packed beef at low temperatures. 021938
Effects of H2O2 [hydrogen peroxide] and oxidation-reduction enzymatic systems on the culture of some lactobacilli *[Lactobacillus* **lactis,** Lactobacillus bulgaricus]. 022625

LACTONES

Withanolides Q and R, two new **23-hydroxy-steroidal** *lactones* [Withania somnifera]. 026635
Quantification of *lactones* in **ripening** pasteurized milk Blue cheese containing added microbial lipases. 022590
New melampolide **sesquiterpene** *lactones* from Melampodium leucanthum. 026750

LACTOSE

Preparation of immobilized beta-galactosidase by poly(vinylpyrrolidone) and the continuous hydrolysis of *lactose* in **acid** whey. 022564
Crystallization kinetics of **alpha** *lactose.* 022594
Determination of the fat, protein and *lactose* **content** of 10day preserved milk samples by means of the infrared milk analyzer (IRMA). 022636
Lactose **crystallization:** investigation of some process alternatives. 022595
Evaluation of a *low-lactose* **nutritional** supplement in malnourished children. 022122
Influence of crystallization of *lactose* in **serum** concentrate on hygroscopicity and agglomeration of [whey] serum powder. 022628
Expanded whey and *lactose* **usage** means economy, improved products. 022565

LACTUCA

Effects of temperature on the germination and emergence of **lettuce** *(lactuca* sativa, L.) varieties. 027198
Lactuca **muralis** in Maine. 025810
Lactuca **muralis** in British Colombia. 025811
Effect of gibberellic acid, kinetin, and ethylene plus carbon dioxide on the thermodormancy of lettuce **seed** *(Lactuca* sativa L. cv. Mesa 659). 027268
Additional data on morphological and cytochemical features of the Golgi apparatus in vegetative cells of the chlorophycean alga **Ulva** *lactuca* L. (Ulvales). 025966

LAGOPUS

Differentiation in **Coprinus** *lagopus* [Fungi]. III. Expansion of excised fruit-bodies. 025944

LAMBDINA

Control of a looper, *Lambdina* **atbasaria** atbasaria, on hemlock [Tsuga canadensis] with three chemical insecticides [Carbaryl, trichlorphon, acephate]. 028944

LAMBING

Relationships of various parameters with the *lambing* **performance** of hoggets [Sheep]. 024183

LAMBS

Cellular development and lipid metabolism of *lamb* **adipose** tissue. 023627
Measurement of milk consumption in young ruminants *[lambs* and **calves]** using tritiated water. 023829
Prediction of *lamb* **carcass** composition by use of indirect measurements. 022721
Significance of serum pepsinogen and abomasal pH [hydrogenion concentration] levels in a field infection of Ostertagia **circumcincta** in *lambs.* 024755
Inhibited development in Haemonchus **contortus** *[Lambs].* 024663
Barley grass **damage** to *lambs.* 024986
Exposure of meat to methyl bromide during refrigerated-store pest control; residues in beef and *lamb* and **effect** on quality. 028985
Whole wheat grain feeding of *lambs.* V. **Effects** of roughage and wheat grain mixtures. 023701

Early development and breeding of **ewe** *lambs.* 023143
The duration of the breeding season in Suffolk X Galway **ewe** *lambs.* 024086
It is the number of *lambs* per **ewe** and per year that the system of production is oriented to. 024149
Relationships between fatty acid composition of *lamb* **fat** and dietary ingredients. 022670
Fattening *lambs.* 023869
Evaluation of wheat straw in **feeder** *lamb* rations. 023862
A comparison of the role of vision and hearing in *lambs* **finding** their own dams. 023246
Local and systemic immune responses following oral immunization of **foetal** *lambs.* 024531
Fatty acid composition in **growing** *lambs.* 023631
Effect of diets low in calcium and phosphorus on the development of **growing** *lambs.* 023749
Intensive finishing of Blackface **Hill** *lambs*—current outlook [Returns]. 021389
Changes in renal hemodynamics and sodium excretion during saline **infusion** in *lambs.* 023180
Iodine supplementation could **mean** better *lambs.* 023871
Quality production of *lamb* **meat** from the market economic view. 021650
Factors in disease and **mortality** of *lambs.* 024390
Central and peripheral neural respiratory activity in the mature sheep foetus and **newborn** *lamb.* 023649
Transfer of IgG [immunoglobulin] from plasma to nasal secretions in **newborn** *lambs.* 024756
The utilization by **preruminant** *lambs* of milk replacers containing isolated soya bean protein. 023699
The utilization by **preruminant** *lambs* of isolated soya bean protein in low protein milk replacers. 023700
Utilization of poultry manure in **rations** for *lambs.* 023691
Artificial rearing of *lambs* [**Reconstituted** milk, feed]. 023920
Early **weaning** *lambs.* 023144

LAMELLA

Studies on the bonding states of the chlorophylls in freezedried [wheat] **chloroplast** *lamellae* by use of various solvents. 027004
Saprophytic survival of Bipolaris sorokiniana on **detached** *laminae* of Poa pratensis. 027922
The *retina-lamina* **projection** in the visual system of the bee, Apis mellifera. 029779
Energy supply and light-enhanced chloride uptake in **wheat** *laminae.* 027022

LAMENESS

Lameness in **cattle:** a survey of 102 cases including history, clinical and radiographic findings, prognosis and treatment. 024301
Epiphysitis in beef cattle fattened on slatted **floors** *[Lameness].* 024914

LAMINAR

The use of *laminar* **flow** for obtaining germ-free mice [Breeding]. 024146

LAMINITIS

A note on the incidence of **acute** *laminitis* in rams. 024846

LAND

Land **abandonment** and sheep [Europe]. 021163
Implications of government land banks and residency requirements for **agricultural** *land* use. 021172
Implications of government land banks and residency requirements for **agricultural** *land* use. 021173
Preservation of **agricultural** *land:* rational and legislation. The British Colombia experience. 021179
Use of sewage sludge on **agricultural** *land* and the effects of metals on crops. 030567
Acquisition of *land* by **aliens:** a land tenure problem for the European Economic Community. 021199
Effects of liquid manure management on the labor and economics of grassland and **arable** *land* farms [West Germany, Austria]. 030422
Simple ways of reducing odor during the storage and application of liquid manure to **arable** *land.* 030809
Long term can trapping for population analyses of ground-surface, *arid-land* **arachnids.** 029588
Demands for *land* in **Canada.** 021169
Wisconsin, USA, a **classical** *land* of milk production. 023166
Energy and *land* **constraints** in food protein production. 022254
Study of electrical drainage as applied to clay soil in a *land* **creep** zone. 030667
The analysis of losses of **cultivated** *land* on reclaimed areas. 030611
Technological choices and social use of *land* in **developing** countries. 021208
Improving the scientific basis of reclamation *[Land* **development,** productivity]. 021813
Virus consideration in *land* **disposal** of sewage effluents and sludge. 030956
Environmental *land* use controls: Alberta energy corridor. 021170
An economic approach to the land utilization and value in relation to the land ownership. I. On the **expensive** *land* value in Kagoshima City which is below the average gain level. 021164
Appraisals of the Association of Colombian Farmers in relation to the 6th law of 1975, which prescribes norms for share farming and other kinds of *land* **exploitation.** 021795
Considerations on the preliminary plan of the agricultural law [Legislation, *land* **expropriation,** Argentina]. 021687
Possibilities of utilization and care of **fallow** *land.* 021192
Fallow *land* areas from the viewpoint of ecology and landscape development. 025899
Factora affecting the conversion of **farm** *land* to non-agricultural uses [in Japan]. 021211
275000 hectars of **farm** *land* lying fallow in the Federal German Republic [Land utilization]. 021225
Technology of clearing **farm** *land* reclaimed from brush in the Estonian SSR. 030610
Implications of **government** *land* banks and residency requirements for agricultural land use. 021172
Implications of **government** *land* banks and residency requirements for agricultural land use. 021173
Indian *land* claims in Canada. 021174
Introduction to **"Indian** *land* claims in Canada" by Haroid Cardinal. 021176
The *land* **invertebrates** of the New Hebrides and their relationships [Includes insects]. 029478
The equipment and machine complex for silvicultural operations on **irrigated** *land.* 030087
Ultrastructure of the pigmentary system and chromatophorotropic activity in *land* **isopods.** 029254
Pacific Legal Foundation—your friend in court *[Land* use]. 021212
The value of an A.U.M. [Animal unit month] of grazing *[Land* use]. 021213
Genesee County [Michigan] parks and recreation study *[Land* use]. 021215
Subdivisions out in the county can be expensive *[Land* use]. 021227
Vexatious reform of *land* **leases** [Legislation]. 021159
An introduction to easements *[Land-oriented* **legal** problems, lignite resources]. 021682
Land use **legislation** in the Northeast: New Hampshire. 021676
Land use **legislation** in the Northeast: Maine. 021677
Design of *land* **leveling** equipment. 030130
New *land* farms in Western Australia. 021231
The South's third forest—**new** *land* of opportunity. 025142
The *forest-land* **owners** of New Jersey. 025169
The *forest-land* **owners** of Delaware [Statistics]. 025170
An economic approach to the land utilization and value in relation to the *land* **ownership.** I. On the expensive land value in Kagoshima City which is below the average gain level. 021164
Mowing of nongrazed part of **pasture** *land.* 027370
Studies on the landscape management of **pasture** *land* using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of environmental preservation. 027495
Studies of the [invertebrate] zoocenosis of a "natural" environment: the Brachypodium **phoenicoides** *land* in lower Provence [Insects included]. 029255
What do you feed a city? Nothing but the best! Changing patterns of *land* use in the **Phoenix** area. 021210
Tourism and recreation in rural areas. Aspects of *land* use **planning** and structural change [Bibliography]. 021161
Land valuation for tax assessment and *land* use **planning:** The search for and use of appropriate measures. 021177
The organization of *[land* use] **planning** programs in Washington. 021186
VIEWIT: computation of seen areas, slope, and aspect for *land-use* **planning** [Computer programs]. 021194
Photomorphic mapping for *land-use* **planning.** 021209
Land use **planning** in a resort community, using the community of Menzenschwand in the Black Forest as an example. 025110
Research Natural Area needs in the Pacific Northwest; a contribution to *land-use* **planning.** Report on Natural Area Needs Workshop; November 29—December 1, 1973, Wemme, Oregon [Forest ecosystems]. 025167
Integration and *land* use **policy** in Alberta. 021175
Public land banking and the **price** of *land.* 021197
Value of public land forage to **private** *land.* 021214
The *Land* Use **Project** [of the University of Arkansas, Agricultural Experiment Station]. 021162
Public *land* banking and the price of land. 021197
Value of **public** *land* forage to private land. 021214
Value of **public** *land* to the ranch forage system [Range management]. 027488
Recultivation of ash deposits *[Land* **reclamation,** afforestation]. 030594
Problems of *[land]* **reclamation** and water management. IV. 030608
A new hope, a new country: Mozambique *[Land* **reform].** 021198
The determination of the size of holdings in settlement planning: a new approach *[Land* **reform].** 021203
Contribution of share farming to social peace in the country [Legislation, *land* **reforms,** economic aspects, Colombia]. 021218
Utilization of photography from space in **regional** *land* studies. 021230
Fourwing saltbush [Atriplex canescens] for *land* **rehabilitation** in Iran and Utah [Range management]. 027556
Land-spreading of **secondary** effluents. 030955
Agricultural development and *land* **settlement** in the Kufra region of Libya. 021201
Land use **shifts** and increasing cereal grain output in E.C. [Common Market]. 021488
Possible utilization of the "Kartimat III" automated system in compiling **small-scale** *land* utilization maps. 021229
Study on transition of *farm-land* **system** at Amami-Oshima. 021165
Acquisition of land by aliens: a *land* **tenure** problem for the European Economic Community. 021199
Land **tenure** and rural development in Pakistan. 021202
Principles and problems of *land* **tenure** in the Pacific. 021223
Trends in rural and **urban** *land* uses in Canada. 021183
An economic approach to the *land* **utilization** and value in relation to the land ownership. I. On the expensive land value in Kagoshima City which is below the average gain level. 021164
Instead of a chicken dinner *[Land* **utilization].** 021184
Expenditures relating to *land* **utilization** in areas of tourist traffic—an examination of problematic expenditures relating to land utilization in spheres of different functions [Recreational use]. 021193
275000 hectars of farm land lying fallow in the Federal German Republic *[Land* **utilization].** 021225
Land **utilization** and importance of plot filing by farmers. 021226
Sterotyped system of *land* **utilization** for the grassland-type dairy farming management. 021304
An overview-wastewater treatment disposal systems **utilizing** *land* application. 030953
Land **valuation** for tax assessment and land use planning: The search for and use of appropriate measures. 021177
Use of climatic data in design of soils treatment systems *[Land-based* **wastewater** management]. 030943
Models of *land* and **water** allocation to improve environment and water quality through soil loss controls. 030792

LANDOWNERS

Landowner **behavior** at the rural-urban fringe in response to preferential property taxation. 021407
A rural second home [**Non-resident** *landowners].* 021189

LANDRACE

Nitrogen metabolism and digestibility of feeds in Thornber hybrid and **Belgian** *Landrace* swine. 023912
The ovulation rate of **Finnish** *Landrace* X Rambouillet ewes. 024198
Statistics, heredity and correlation between some features of the circulatory system in female **German** *landrace* swine. I. Means and environmental effects. 024254
The heritability of pH1 [hydrogen-ion concentration] in longissimus dorsi muscle in *Landrace* and **Large** White pigs. 024153
Hybrid studies on the genetics of coat color and blood groups of *Landrace* and **Vietnamese** swine. 024219

LANDSCAPING

Landscape **assessment** on a regional level. Pragmatic determination of the natural suitability for recreation in the Baden-Wurttemberg Lake Constance area. 021205
Hollies [Ilex] for Christmas and the *landscape* [**Culture,** varieties]. 027691
Fallow land areas from the viewpoint of ecology and *landscape* **development.** 025899
Conditions and importance of *landscape* **ecological** investigations on turnover and balance sheets. 030897
Herbicides in the *landscape* and **garden.** 1. 028522
Approaches to **home** *landscape* design. 83. Seashore contrasts. 027700
Studies on the *landscape* **management** of pasture land using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of environmental preservation. 027495
The project for scenic parks and zones of **protected** *landscape* in the Lublin province. 030838

LANDSLIDE

Experimental studies on electro-drainage of *landslide* **clay.** 030250

LANTANA

The suitability of Teleonemia prolixa (Stal) for biological control of *Lantana* **camara** in Australia. 028659

LANTHANUM

Demonstration of gap junctions by *lanthanum* in the **vitamin** A acid-treated skin tumor, Keratoacanthoma [Rabbits]. 024838

LAODELPHAX

Laodelphax **striatellus** as a vector of two cereal viruses in Italy. 028697

LAPAROTOMY

Suprapubic **paramedian** *laparotomy* for equine abdominal cryptorchidism. 024916
Test of shortening the biological rearing time of cattle after birth by *laparotomy* under **practice** conditions. 024230

LARCHES

Action of Bacillus thuringiensis preparation against *larch* **bud** moth, Zeiraphera diniana (Gn.), enhanced by beta-exotoxin and DDT. 028936
Laboratory crossings with different sources of the *larch* **casebearer** parasite Chrysocharis laricinellae (Hymenoptera: Eulophidae). 029283
Photoperiod effects on development of the *larch* **casebearer,** Coleophora laricella (Lepidoptera: Coleophoridae). 029285

LARIX

Some flavanones and flavanonols of the heartwood of *Larix* **dahurica.** 025278
Selection for minimizing spiral grain in *Larix* **leptolepis** Gord. 025180
An attempt (and failure) to correlate duff removal and slash fire heat [Broadcast burning, Pseudotsuga **menziesii,** *Larix].* 025252
On the viscous properties of aqueous solutions of arabogalactan in *Larix* **sibirica.** 027321
Studies on the prevention of checks during drying. 2. Drying schedule for the boxed heart of *Larix* **wood.** 025417

LARVAE

Caste determination through a queen influence on diapause in *larvae* of the **ant** Myrmica rubra. 029327
The *larvae* of **ant** lions (Planipennia: Myrmeleontidae) from France [Identification]. 029539
Larvae of the **Apidae** (Hymenoptera, Apoidea). I. Apini, Apis. 029666
Detection and identification of **Bacillus** *larvae* in a commercial sample of bee-collected pollen [American foul brood disease]. 029813
The effects of Penicillium waksmani growth on American foulbrood infected combs and adult honeybee activity [Apis mellifera, **Bacillus** *larvae].* 029842
The biology of the **black** *larval* mutant of the tobacco hornworm, Manduca sexta. 029420
The control of diamond back moth [Plutella xylostella] and cabbage white **butterfly** *larvae* [Pieris rapae] with phenthoate. 028887
Ion absorption on chloride epithelia of **caddisfly** *larvae* (Trichoptera) [Glyphotaelius pellucidus]. 029339
Mode of formation of cholesta-5,7-dien-3beta-ol from cholest-5-en-3beta-ol by *larvae* of **Calliphora** erythrocephala. 029251
Experimental studies on "larva migrans". I. Transition of blood picture in mice infected with Toxocara **canis** *larvae.* 024622
The haemocytes of themosquito Aedes albopictus and their comparison with *larval* **cells** cultured in vitro. 029013
Toxicity of carbaryl and diazinon to gypsy moth [Porthetriadispar] *larvae:* **changes** in relation to larval growth. 028665
Improved rearing unit for *larvae* of a **common** green lacewing [Chrysopa carnea]. 029401
Nonoccluded viruslike particles in *larvae* of **Culicoides** cavaticus (Diptera: Ceratopogonidae). 029030
Culturing *larvae* of blister beetles [Nemognatha] on diets containing different pollens collected by honeybees [Apis mellifera]. 029810
Effects of cautery of the pars intercerebralis on the moulting process in Aeshna **cyanea** *larvae.* 029264
The distribution of the *larvae* of **Dermestes** maculatus (Coleoptera: Dermestidae) in a radial temperature gradient [Dried fish pest]. 028973
Effect of certain vegetables on the *larval* **development** of Diacrisia obliqua Walker (Lepidoptera: Arctiidae). 028861
Changes in comb spine number during *larval* **development** in Aedes aegypti (L.). 029035
The *larval* **development** of the warble fly Oestromyia leporina Pall. (Diptera, Hyodermatidae). 029077
Lysozymelike lytic enzyme of Streptococcus faecalis and itsrole in the *larval* **development** of wax moth, Galleria mellonella. 029426
The pattern of reactivation of **diapausing** *larvae* in the blowfly, Calliphora vicina. 029421
Induction of melanotic tumors in *larvae* of **Drosophila** affinis parasitized by the wasp, Pseudeucoila bochei. 029425
Ultrastructure of the *larval* **firefly** light organ as related to control of light emission [Photuris pennsylvanica]. 029295
Effect of ground cover and pasture height on oviposition and establishment of soldier **fly** *larvae* [Inopus rubriceps]. 028778
Indirect action of the *larval* **food** of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Larval **forms** of some Central European Euscelini (Homoptera, Auchenorrhyncha). 029713
Toxicity of carbaryl and diazinon to gypsy moth [Porthetriadispar] larvae: changes in relation to *larval* **growth.** 028665
Inhibition of *larval* **growth** of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
Larval **habitats** of Tabanus subsimilis subsimilis Bellardi in southeast Texas (Diptera: Tabanidae). 029071
Determination of larval instars of Heterocampa manteo and reduction of *larval* **head** capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918
Influence of a *larvae* **hostplant** (Apium graveolens L. [Celery]) on the stimulation of egg laying and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). 028824
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] *larvae* **infected** by nuclear polyhedrosis virus. 029796
Host resistance to cattle tick (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four **infestations** with 20,000 *larvae.* 028999
Aminotransferases in the *larvae* of the **insect** Corcyra cephalonica St. 029371
Aminotransferases in the *larvae* of the **insect** Corcyra cephalonica St. 029372
Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the Growth in the fifth **instar** *larvae* and the productivity of silk substance and eggs. 029776
Determination of *larval* **instars** of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918
Dispersal of 32 P[phosphorus **isotope]-treated** *larvae* of Spodoptera litura and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the wind direction]. 028714
Juvenile hormone titers in hemolymph during **late** *larval* development of the tobacco hornworm, Manduca sexta (L.). 029253
Orientation and dispersal of **late-stage** *larvae* of Porthetria dispar (Lepidoptera: Lymantriidae). 029284
The effectiveness of insecticides seed dressings against soldier fly [Inopus rubriceps] *larvae* **[Lolium** perenne]. 028785
Cuticular encystment: a unique and effective defense reaction by cabbage **looper** *larvae* against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Evaluation of Bacillus thuringiensis Berliner and insecticides in the control of *larvae* of **Maculella** spp. (Lepidoptera, Hepialidae) in pastures. 028702
Histological studies on the development of the microsporidian Thelohania pristiphorae in *larvae* of **Malacosoma** disstria and Malacosoma americanum. 028947
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of **mature** *larva* of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
RNA polymerase B from Drosophila **melanogaster** *larvae.* Purification and partial characterization. 029350
Experimental studies on *"larva* **migrans".** I. Transition of blood picture in mice infected with Toxocara canis larvae. 024622
Establishment and recycling of a mermithid nematode [Reesimermis nielseni] for the control of **mosquito** *larvae* [Anopheles crucians]. 029040
Field observations on a promising growth regulator for **mosquito** *larvae.* 029063
Mosquito *larvae.* III. The hairiness factor again? 029637
Response of newly hatched codling **moth** *larvae* (Laspeyresia pomonella) to water vapour. 029335
Aminopeptidases in webbing clothes **moth** *larvae* [Tineola bisselliella]. Properties and specificity of the major enzyme of low electrophoretic mobility. 029384
The analysis of bee **moth** *larval* tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Laboratory and small plot field tests of Altosid and Dimilin for the control of Aedes taeniorhynchus and Culex **nigripalpus** *larvae.* 029047
Influence of some dipterous [Musca domestica] *larvae* on **nitrogen** loss from cattle dung. 029011
Raphidioptera larvae as soil dwellers (Insecta, Neuropteroidea) (with descriptions of *larvae* of **Ornatoraphidia,** Parvoraphidia and Superboraphidia). 029510
Evaluation of carbofuran for the control of soldier fly [Inopus rubriceps] *larvae* in **pasture.** 028780
Inhibited development of Cooperia punctata and Cooperia **pectinata** *larvae* in Zebu cattle of Niger. 024639
Competition among *larvae* of **Pimplopterus** dubius Hgn. (Hymenoptera: Ichneumonidae), a parasitoid of Epinotia tedella Cl. (Lepidoptera: Tortricidae). 029509
Estimation of saprobity according to the *larval* and **pupal** stages of caddis-flies, Trichoptera. 029367
Haemocytes in *larval* and **pupal** ovarioles of the queen honeybee [Apis mellifera]. 029818
Raphidioptera *larvae* as soil dwellers (Insecta, Neuropteroidea) (with descriptions of larvae of Ornatoraphidia, Parvoraphidia and Superboraphidia). 029510
Larval **recognition** by workers of the ant Myrmica [rubra, Myrmica scabrinodis]. 029210
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion **rugifrons** *larvae.* 028921
Convective and evaporative cooling in **sawfly** *larvae* [Perga dorsalis, Eucalyptus]. 028946
Microsporidia in **Simulium** *larvae:* systematics; ecological, pathological and cytochemical data. 028992
The use of phorate, AC 92/100 and chlormephos for the control of *larval* **soldier** fly [Inopus rubriceps] in maize. 028786
Study on the locomotion determinism of the first **stage** *larvae* of Acrolepiopsis (Acrolepia) assectella Zell. (Lepidoptera) inside the host plant [Leeks]. 028825
Bioassay of nuclear polyhedrosis virus against *larval* **stages** of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. 028674
Studies on the morphology of *larval* **stages** of Anomotaenia constricta (Cestoda, Cyclophyllidea) from the hemocoele of the beetle Pimelia sulcata. 029512
Structure and function of the respiratory epithelium in the tracheal gills of **stonefly** *larvae* [Perla, Protonemura, Taeniopteryx]. 029419
Screening for mycotoxins with *larvae* of **Tenebrio** molitor. 029428
The growth of *larvae* of **Tipula** oleracea Linnaeus, 1758 (Diptera, Tipulidae). 029499
Dynamics of juvenile hormone action in *larvae* of the **tobacco** hornworm, Manduca sexta (L.). 029252
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the silkmoth Hyalophora cecropia during the *larval-pupal* **transformation.** 029725
The use of gamma radiation for killing the **Trichina** *larvae* in nham and pork. 024680
Effects of KC1 [potassium vhloride] on the growth of pre-infective **stage** of **Dictyocaulus viviparus** *larvae.* 024487
The use of polyvinyl acetate as a barrier to the pecan **weevil** *larvae* [Curculio caryae, control]. 028885
Seasonal vertical movement of **wireworm** *larvae* in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711

LASIOCAMPIDAE

Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum pluviale **(Lepidoptera:** *Lasiocampidae).* 028924

LASPEYRESIA

Blacklight lamp provides alternatives to insecticides *[Laspeyresia* **caryana,** pecan pest control]. 028882
Blacklight traps to control hickory shuckworm *[Laspeyresia* **caryana]** on pecan. 028883
Hickory shuckworm *[Laspeyresia* **caryana]:** biology, life history, and control [Pecans]. 028884
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, **Dioryctria,** *Laspeyresia].* 028938
Response of newly hatched codling moth **larvae** *(Laspeyresia* pomonella) to water vapour. 029335
Concentrated fruit juice as an attractant of the eastern fruit moth *[Laspeyresia* **molesta,** control]. 028902
Bibliography of the codling moth *[Laspeyresia* **pomonella,** fruits, walnuts]. 028152
Host race formation among sympatric apple, walnut, and plum populations of the codling moth, *Laspeyresia* **pomonella.** 028817
A study to suppress codling moth *[Laspeyresia* **pomonella]** (Lepidoptera: Olethreutidae) with sex pheromone traps [Apple pests]. 028827
Codling moth *[Laspeyresia* **pomonella]:** effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 egg development [Apples, pest control]. 028865
Removal of intact female reproductive organs from codling moths *[Laspeyresia* **pomonella].** 029334

LATENCY

Apple *latent* viruses: transmission from herbaceous host tissue to Malus indicator plants and distribution in apple budwood. 028169
Emergence of overt diabetes in offspring of rats with **induced** *latent* diabetes. 022161
Latent **infection** of Toxoplasma in swine. 024632
Growth response to *latent* **virus** infection of apple trees on seedling rootstocks. 028180
Plant species outside the genus Malus as indicators for *latent* **viruses** of apple. 028189

LATERAL

Lateral **behavior** of a double sheet pile wall structure [Soil reaction]. 030357
Evidence for direct projections from the hypothalamus to the *lateral* **geniculate** and occipital cortex of the cat as demonstrated by horseradish peroxidase technique. 023409
Induction of keikis *[lateral* **shoots]** on Ascocendas [a monopodial orchid] by cytokinin. 027109

LATERITES

Clay mineralogy of alluvial, red and *lateritic* **soil** profiles from West Bengal. 030302

LATHYRUS

Chemical synthesis of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and optical specificity and its **neurotoxic** *action[Lathyrus* sativus]. 026402
Cytogenetic characteristics of tissue cultures from legume plants *[Lathyrus* **odoratus,** broadbeans, peas]. 026140
Arginine decarboxylase from *Lathyrus* **sativus** seedlings: purification and properties. 026953

LATITUDE

Floral initiation in sugarcane at **Coimbatore**—*latitude* 11 degrees N. 027051

LATRODECTUS

Discrete and discontinuous action of brown widow spider *[Latrodectus* **geometricus]** venom on the presynaptic nerve terminals of frog muscle. 029435

LAUNDERING
A comparison of phosphate and non-phosphate detergents in the *laundering* of **men's** shirting fabrics. 022227

LAWN
Lawn **basics** [Cultivation]. 027684
Single step mechanical thatch removal [in *lawns* and **golf** courses]. 027851
Overwintering of *lawn* **grass** [Culture]. 027810
Use of grass covers for intensification of agricultural production and improvement of the environment [Culture, varieties, **pastures,** *lawns].* 027449
Harvesting of [cereal] breeding material with a **reconstructed** *lawn* mower. 026254

LAWS
Considerations on the preliminary plan of the **agricultural** *law* [Legislation, land expropriation, Argentina]. 021687
The "meat plan": From the *law* to the **barn** [Cattle, feeding]. 023922
The "meat plan: From the *law* to the **barn** [Cattle, feeding]. 023923
On the manifestation of **biogenetic** *law* in plant water exchange. 026870
Integrating the Jewish **dietary** *laws* into a dietetics program. 022290
The Bavarian constitutional court of *law* on the **equestrian** problem [Nature protection]. 021728
New share **farming** *law* [Colombia]. 021797
Thoughts on the new **feed** *law.* 021807
Total reform of the **food** *law* and food research. 021686
British find adjusting to EC [European Community] **food** *laws* difficult. 021888
Early history, content and evaluation of the [German] Federal **forest** *law.* 025086
The bias of an estimate of **Gumbel's** *law* parameters. Application to some river discharges [Hydrology]. 030720
Differentiated callus nodules in resin pockets of Pinus **ponderosa** *Laws.* 025464
Appraisals of the Association of Colombian Farmers in relation to the 6th *law* of 1975, which **prescribes** norms for share farming and other kinds of land exploitation. 021795
Migratory apiculture and its *laws* and **regulations.** 029850

LAYERING
Lipolysis by lactic acid bacteria recognized through color changes of dye-stained butterfats on *double-layered* **agar** plates. 022612
Air *layering* [Woody or semi-woody shrubs]. 027681

LAYERS
Effects of temperature on the **bran** *layers* of rice kernels. 022744
Effect of energy level of the ration on fatty liver in **cage** *layer* hens. 023773
Feeding corn silage plus manure from **caged** *layers* or dairy cows as total mixed rations for dairy heifers. 023819
Study of bergamot oil by *thin-layer* **chromatography** and spectrofluorometry [Adulteration]. 021881
Restricted feeding of **Leghorn** *layers* [Chickens]. 023720
Gomori-positive elementary granules in inner and **outer** *layer* of the infundibulum [Animals]. 023358
Improvement of the characteristics of veneer boards made from poplar wood by moddification of their **outer** *layer.* 025517
Studies on off-the-road locomotion. Estimation of vertical stresses in the *layer* of **paddy** field soil. 030174
Determination of the sum of main stresses on the surface of **photoelastimetric** *layer* by measurement of transversal deformation [Equipment]. 029992
Value of crushed coral as a source of calcium in *layer* **rations** [Chickens]. 023879
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by **thin** *layer* chromatography and gas chromatography. 021963
Thin *layer* chromatographic separation methods for the proof of mycotoxins [in dairy products]. 022165

LAYING
Study on Marek's disease in *laying* **chickens.** 024678
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of **egg** *laying* and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). 028824
Observations on **egg** *laying* of four Odonata of the genus Lestes (Zygoptera: Lestidae) in Quebec. 029451
Observations on the **egg** *laying* and sleeping habits of Euparagia scutellaris Cresson (Hymenoptera: Vespoidea). 029468
Observations on the rate of **egg** *laying* of some grasshoppers (Orthoptera, Acridiidae). 029502
The influence of prostaglandins on the in vitro motility of the oviduct of the *laying* **hen.** 024256
Residues of [antibiotic] drugs in eggs after medication of *laying* **hens** for eight days. 021832
The effects on liver metabolism of administering excesses of biotin to immature pullets and *laying* **hens.** 023341
Absorption and distribution of 32P [phosphorus isotope]-labeled diisopropyl fluorophosphate in the *laying* **hens.** 023345
Utilization of lutein and lutein-fatty acid esters by *laying* **hens.** 023526
Effect of different combinations of lysine and sulphur-containing amino acids on egg production of *laying* **hens.** 023690
Utilization of hen manure by *laying* **hens** and chicks [Feeding]. 023848
Apparent digestibility of the amino acids of sunflower and sesame seed meals in *laying* **hens.** 023924
The metabolism of p,p'-DDE [dichlorodiphenyl dichloroethylene] in *laying* **Japanese** quail and their incubated eggs. 024946
The effects of levels of calcium, phosphorus and vitamin D on bone deveopment and eggshell quality in **modern** *laying* hens. 023825
Comparison of nutritive values of groundnut oil cake and Niger oil cake for *laying* **pullets** [Chickens]. 023712
Restricted feeding of *laying* **pullets** [Chickens]. 023744
Effect of light on *egg-laying* **rate** and mating speed in phototactic strains of Drosophila. 029456
Study of a sex linked dwarfing gene in the fowl: oviposition time and characteristics of the successive eggs in *laying* **sequences.** 024021

LEACHING
Adsorption, degradation and *leaching* of **alachlor** in some soils. 030233
A rainfall simulator for **pesticide** *leaching* studies. 029183
Comparison of different **soil** *leaching* techniques with four herbicides. 028608
An equation to predict the *leaching* of **surface-applied** nitrate [Soils]. 030229
Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria **violescens** *(Leach).* I. The chromosome races and their structural and evolutionary relationships. 029300

LEAD
Lead and **active** calcium transfer through the intestinal wall in rats. 025000
Metabolism and toxicity of cadmium, mercury, and *lead* in **animals:** a review. 024969
Enzymatic hydrolysis of hardwood xylans. II. Isolation of five **beta-I** *lead* to 4-xylanasen from three commercial enzyme products. 025363
A micromethod for *lead* in **canned** baby juices. 021940
A contribution to lead studies in soils and the enviornment. I. *Lead* **environmental** pollution. 030898
Lead-210 **[isotope]** assay in soil and plant material using Cerenkov radiation [Pollution]. 030821
A lichen (Parmelia conspersa) surviving with elevated concentrations of *lead* and **opper** in the center of Sendai City [Japan, air pollution, indicator plants]. 025880
Sources of error in the determination of Cd [cadmium] and Pb *[lead]* in **plant** material by atomic absorption [Foliar analysis]. 030440
The effects of dietary calcium and phosphorus on the retention and excretion of *lead* in **rats.** 022059
Lead in **soil** and vegetation along a New Zealand state highway with low traffic volume. 030869
A contribution to *lead* **studies** in soils and the enviornment. I. Lead environmental pollution. 030898

LEAFHOPPERS
Key to the eight species of coexisting **Erythroneura** *leafhoppers* (Homoptera: Cicadellidae) on American sycamore [Platanus occidentalis]. 028820
Tiaja insula, a new **megophthalmine** *leafhopper* from the Santa Barbara Channel Islands (Homoptera: Cicadellidae). 029649
Anatomical study of leaf lesions on three varieties of rice as a result of feeding by different species of **rice** *leafhoppers* [Nephotettix, Recilia dorsalis]. 028788
Bionomics of the green **rice** *leafhopper,* Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. 028789
Subculturing of cells from the embryo of the green **rice** *leafhopper,* Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). 029229
Transportation and culture of Tytthus mundulus [egg predator of the **sugarcane** *leafhopper,* Perkinsiella saccharicida in Australia]. 028756

LEAFMINER
Effectiveness of a *leafminer* **[Liriomyza** sativae] control program for Florida tomato production. 028866

LEAFROLLERS
European corn borer [Ostrinia nubilalis] and **redbanded** *leafroller* [Argyrotaenia velutinana]: disruption of reproduction behavior [Cornfields, oatfield]. 028728

LEAFSPOT
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, *leafspot* of **maize,** Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970

LEASING
Leasing or **intensification?** [Farm management]. 021207
Vexatious reform of **land** *leases* [Legislation]. 021159

LEAVES
Concentration dependencies of ethylene on shuck dehiscence and fruit and *leaf* **abscission** of Carya illinoensis [Wang.] K. Koch. 027188
Study on pigments of **Acalypha** *leaves:* influence of water content in acetone solutions on anthocyanins and chlorophylls. 026705
The effect of the age of the *leaf* on the **accumulation** of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. 026837
Studies in leaf litter breakdown. III. The influence of *leaf* **age** [Quercus robur, Fagus]. 030276
A comparison of potassium and chloride uptake by Tradescantia **albiflora** *leaf* cells at different KCl [potassium chloride] concentrations. 026387
Biosynthesis of *leaf* **alcohol:** kinetic study of lipoxygenase activation process caused by hydroperoxylinoleic acid [Soybeans]. 026883
Air flow resistance and density of **alfalfa** *leaves* [Preservation]. 022842
Inclusions in mesophyll cells induced by a virus causing chlorotic streaks on *leaves* of **Allium** porrum L. [Leeks]. 028254
Leaf **analysis** for prediction of bitter pig [in apples]. 028306
The *leaf* **anatomy** of beech, Fagus grandifolia. 025985
The *leaf* **anatomy** of beech, Fagus grandifolia. 025986
Studies on the *leaf* **anatomy** of Euphorbia. V. Epidermis. 026050
Activity of faecal fluid of a *leaf-cutting* **ant** [Atta colombica tonsipes] toward plant cell wall polysaccharides. 029404
Ultrastructural alterations observed in isolated **apple** *leaf* cuticles. 025990
Entomophagous insects of the **apple** *leaf* moth [Natural control, Apanteles, Sympiesis, Anthocoris]. 028905
Seasonal variation in *leaf* **area** index of a grassland community. 025921
Screening for genetic host resistance against the **bacterial** *leaf* spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in plants (etiolated wheat germs, and **bean** *leaves).* 026878
Crown-gall [Agrobacterium tumefaciens] on castor **bean** *leaves.* V. Effect of light and chlorophyll content on tumour initiation. 028130
Effect of a non-localized infection by southern bean mosaic virus on a cell wall glycoprotein from **bean** *leaves.* 028260
Alfalfa flower color associated with differential seed set by *leaf-cutter* **bees** [Megachile pacifica, insect pollinators, selective visitation]. 026887
Beetles—Coleoptera: *leaf* **beetles**—Chrysomelidae; subfamilies: Chrysomelinae and Galerucinae. 029616
Beetles—Coleoptera: *leaf* **beetles**—Carabidae; subfamilies: Bembidinae, Trechinae. 029617
Retardation of senescence in rice (Oryza sativa L.) *leaves* by **benzimidazole** and nickel chloride. 028422
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the **birch** *leaf-miner,* Fenusa pusilla (Hymenoptera: Tenthredinidae). 028926
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, *leaf* **blight** of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Studies on the *leaf* **blight** of rice plant. III. A metabolite of the pathogenic bacteria [Xanthomonas oryzae]. 028151
Alkaloids from the *leaves* of **Bocconia** frutescens L. 026528
Breeding of **broad** *leaf* type varieties (F 207, F 208) in flue-cured tobacco. 026100
A strange aphid form [Monelliopsis nigropunctata from *leaves* of **carya** tomentosa]. 029653
Cassava and **cassava** *leaf* as meal for broilers and growers. 023834
Amino acid specters of *leaves* of **cassave** clones that are morphologically very different (Manihot esculenta Crantz (=Manihot utilissima Pohl.)). 026913
Hepatic nicrosomal enzyme induction in rats fed varietal **cauliflower** *leaves.* 022138
Releases and recoveries of **cereal** *leaf* beetle parasites, 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712
Cherry *leaf* roll virus in Sambucus ebulus L. 028173
Localisation of **cherry** *leaf* roll virus in Prunus avium x Prunus pseudocerasus rootstocks. 028185
Conformational changes in spinach (Spinacia oleracea) *leaves* **chloroplasts** in vivo [when exposed to red or blue light]. 027093
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the **chlorotic** *leaf* spot virus. 028168
Bark split disease of prune trees and its association with strains of apple **chlorotic** *leaf* spot [virus]. 028172
Vegetative disorders in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) [Apricot **chlorotic** *leaf* roll virus]. 028207

Transmission by grafting of a disease of peach in Greece resembling that of **chlorotic** *leaf* roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. 028234
Photoperiodic time measurement and **circadian** *leaf* movement in Pharbitis nil controlled by the same clock? 026863
The intensity of photosynthesis in **citrus** *leaves* of various age in relation to their frost resistance. 027294
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol oxidase enzyme extracts from **citrus** *leaves* [Lemon disease]. 028320
Photolysis of benzoic acid 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on **citrus** *leaves;* residues]. 029111
Relationship among macronutrients, boron and zinc contents of **coffee** *leaves* and yield. 026526
Effect of [grape] *leaf* **content** and mechanical harvest on wine "quality". 022875
Enhancement of CO2 [carbon dioxide] gas exchange in the *leaves* of **Convallaria** majalis L., its action spectrum and light saturation. 027275
Light-stimulated toxin production in Helminthosporium maydis, race T, cultures [Southern **corn** *leaf* blight]. 027919
Isolation and purification of phenol oxidase from the *leaves* of the **cotton** plant. 026937
The response of cell sap concentration and water content in **cotton** *leaves* to different combinations of soil salinity and nitrogen levels. 027062
The influence of IBA (b-indolyl-butyric acid) on the propagation of kola (Cola nitida (Vent) Schott & Endl.) by *leaf-bud* **cuttings.** 026321
Dispersal of microorganism [fungi] on **decaying** *leaves* and litter. 025903
On the formation of the pattern of crystal idioblasts in Canavalia ensiformis DC. VII. Calcium and oxalate content of the *leaves* in **dependence** of calcium nutrition. 027063
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in **developing** *leaves* [Corn, peas, spinach]. 026905
The influence of nitrogen and benlate on *leaf-area* **duration,** grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the *leaves* of **Eleusine** coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the *leaves* of **Eleusine** coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600
In vitro synthesis of cytokinins in isolated roots of lupine (Lupinus albus L.) treated with *leaf* **extracts.** 026918
Fruit ripening and senescence of **flowers** and *leaves.* 027228
Ultrastructural studies of plastids in *leaves* of **Fraxinus** excelsior L. var. aurea (Willd.). 026033
Leaf **freckles** and wilt of corn incited by Corynebacterium nebraskense Schuster, Hoff, Mandel, Lazar, 1972. 028150
The cuticles of Citrus species. Composition of the intracuticular lipids of *leaves* and **fruits.** 027208
Volatile constituents of **grape** *leaves.* I. Vitis vinifera variety 'Chenin Blanc'. 027108
Biosynthesis of chlorophyll b in a homogenate of **green** *leaves* in the dark and under light [Barley]. 026947
Metabolism of 3beta-hydroxy-5alpha- and 3beta-hydroxy-5betapregnan-20-one by *leaf* **homogenates.** 026748
CO2 [carbon dioxide] nutrition of spring cucumbers in the Netherlands *[Leaf* **injury].** 028299
Characteristics of thermoluminescence bands of **intact** *leaves* and isolated chloroplasts in relation to the water-splitting activity in photosynthesis [Spinach, wheat]. 026406
Supplement of rice straw for sheep with **kenaf** *leaf* [Hibicussabdariffa] or alfalfa meal. 023844
Anatomical study of *leaf* **lesions** on three varieties of rice as a result of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Studies on mycoplasma-like organisms: the suspected cause of citrus **likubin** and *leaf-mottling.* 028224
Leaf **litter** fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
Studies in *leaf* **litter** breakdown. III. The influence of leaf age [Quercus robur, Fagus]. 030276
Mosaic [virus] and **little** *leaf* of chili pepper. 028271
Succinyl-CoA synthestase in greening **maize** *leaves.* 027011
The biosynthesis of delta-aminolevulinic acid in greening **maize** *leaves.* 027013
Manioc *leaf* meal in poultry diets. 023722
Polyploidy and enucleation in **mature** *leaves* of Barbilophozia barbata [Hepaticae]. 026099
Photosynthesis of newly **matured** *leaves* during the ontogeny of barley grown at different nutrient levels. 026931
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry **[Morus]** *leaf.* 026433
A *leaf* **mosaic** in the Russian apple clone R 12 740-7A connected with a strain of cherry necrotic ringspot virus. 028166
Influence of reducing and oxidating compounds on iron accumulation and chlorophyll content in **oat** *leaves.* 026876
Evidence for ammonium-dependent de novo synthesis of glutamate dehydrogenase in detached **oat** *leaves.* 027023
Influence of formulation on efficacy of three systemic fungicides for control of **oat** *leaf* rust [Puccinia coronata avenae]. 027926
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to young and **old** *leaves,* upper and lower surfaces of leaf. 028678
Flavonoids of the *leaves* of **[olive]** Olea europaea. 027160
The genus Botrytis associated with the rot of onion bulbs. 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from **onion** *leaves.* 027889
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow **orange** *leaf* virus disease transmission. 028789
Specific increase, by X-rays, of dark carbon dioxide **outputfrom** *leaves* of Pelargonium zonale L. 027153
Cytoplasmic inclusions in yellowing **parsley** *leaves* [presumably due to a virus infection]. 028212
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and *leaf* **photosynthesis,** and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in forage crops. III. *Leaf* **photosynthesis** under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Rapid method for assessing potential net photosynthesis in **plant** *leaves* [Cereals]. 027064
Insect antifeeding substances in **plant** *leaves.* 028679
Studies on hook-opening in Phaseolus vulgaris L. [Kidney beans], by selective R/FR pretreatments of embryonic axis and **primary** *leaves.* 027221
Supplementary value of *leaf* **protein** and groundnut meal in the diet of preschool children. 022112
Towards a *leaf* **protein** concentrate industry in New Zealand (a memorial to Dr Russell M. Allison). 022519
Isolation, culture and regeneration into plants of Ranunculus sceleratus L. *leaf* **protoplasts.** 026799
Two isolates of watermelon mosaic virus isolated from **pumpkin** *leaves.* 028213
Rough lemon tree decline [Phytophthora] peroxidase activity, isoenzymes and respiration **rate** of the *leaves.* 027892
Effects of some fungicide treatments on earthworm populations and *leaf* **removal** in apple orchards. 027991
Leaf-feeding **resistance** to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
Isolation of tannin from sumac **[Rhus]** *leaves.* 027161
Alkaloids of Cannabis **sativa** *leaves* [Marijuana]. 026716
Leaf **scald** [Rhynchosporium oryzae] of rice, a new disease in Bangladesh. 028071
Leaf **scorch** [Stagonospora curtisii] and neck rot [Botrytis narcissicola] in Narcissus. 027881
Restoration of organic acid accumulation in **sectioned** *leaves* of Bryophyllum tubiflorum Harv. 026792
Oat yield losses from **septoria** *leaf* blotch [Leptosphaeria avenaria] at four locations in eastern Canada. 027931
Development of the stem and crown rust fungi on *leaves,* **sheaths,** and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Identification of common farm grasses. 2. Identification bytheir **shoots** and *leaves.* 025579
An approach to the measurement of photosynthetic rate in **single** *leaves* by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Effect of oxygen on photosynthesis by **spinach** *leaf* protoplasts. 027269
The epidemiology of *leaf* **spot** disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923
Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum [Sweet-cherry trees, *leaf* **spot].** 028131
Leaf **spot** of black currants [Virus diseases, vectors]. 028287
Contribution of *leaves* and **stems** to yield and quality of Russian wild ryegrass [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. 023019
Chromosome variation in relation to *leaf* **structure** of Psoralea corylifolia Linn. 025933
Leaf **structure** in Chenopodiaceae. 025956
Time-course of 14C [carbon isotope]-sucrose translocation by **successive** *leaves* of Hibiscus esculentus L. (Okra). 027130
Forecasting incidence and issuing warnings for **sugarbeet** *leaf* spot (Cercospora beticola Sacc.) in Yugoslavia. 027961
Utilization of **sugarcane** *leaf* and poultry manure in beef cattle rations. 023846
Leaf **surface** effects of environmental pollution on sugar maple (Acer saccharum) in Montreal. 030820
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to young and old leaves, upper and lower **surfaces** of *leaf.* 028678
Umbelliferone from **tea** *leaves.* 026510
The effect of forms of nitrogenous fertilizers on agrochemical properties of brown forest soils and the yield of **tea** *leaves.* 030535
The effect of nitrogenous nutrition [fertilizers] on the formation and accumulation of catechins in **tea** *leaves* in relation to irrigation under the conditions of Imeretia [USSR]. 030537
Isolation and purification of cytokinin binding protein from **tobacco** *leaves* by affinity column chromatography. 026903
Penetration of plant viruses into isolated **tobacco** *leaf* protoplasts. 028241
Chemical composition and in vitro nutrient digestibility of some of the **tree** *leaves.* 023037
Acidic composition of neutral lipids, glucolipids and phospholipids from olive **tree** *leaves* and chloroplasts. II. 027289
Differences between **twisted** *leaf* and tomato bushy stunt virus in sweet cherry. 028176
My Camellias with **unusual** *leaves* [Varieties]. 027675
Leaf **variation** due to 2, 4-D [(2,4-dichlorophenoxy) acetic acid, herbicides] influence in Trigonella foenum-graecum L. 028541
Nonnuclear mutations in sunflower. II. Lethal chlorophyll mutations in the progeny of plants with **variegated** *leaves.* 026286
Leaf **water** stress in Engelmann spruce [Picea engelmannii]: Influence of the root and shoot environments. 027336
Preliminary notes on the *leaf* **waxes** of Saccharum officinarum [sugarcane] and related species. 027052
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and malate dehydrogenase during ageing of **wheat** *leaves.* 027003
The changes of adenylate energy charge in **wheat** *leaves* during anoxia, study of their reversibility. 027005
Relation between ectodesmata and infection of **wheat** *leaves* by wheat streak mosaic virus. 028163
The effect of residue moisture in **wilted** *leaves* on quality indices of fine black tea. 022541
The stereospecificity of alcohol oxidases from Tanacetum vulgare *[leaves]* and **[the yeast]** Canadia boidnii. 026397

LECITHIN

Effects of lipids on the stability of lysosomes in vitro. I. Effects of **egg** *lecithin,* lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. 023403

LEEKS

Study on the locomotion determinism of the first stage larvae of Acrolepiopsis (Acrolepia) assectella Zell. (Lepidoptera) inside the host **plant** *[Leeks].* 028825
Inclusions in mesophyll cells induced by a virus causing chlorotic streaks on leaves of Allium **porrum** L. *[Leeks].* 028254
A class of lectins present in the tissues of seed plants *[Leeks,* **rape,** pigeon peas]. 026386

LEGAL

Magnitude of influence of the Central European forestry organizations with special regard to **administrative** *legal,* economic and regional aspects. 025087
Some *legal* **aspects** of mosquito abatement. 029066
Beer labeling from the **competitive** *legal* view. 021695
Practical application of *legal* **food** obligation. 021713
An introduction to easements **[Land-oriented** *legal* problems, lignite resources]. 021682
National *legal* regulations on forest economic unions [West Germany]. 025088
Legal **nature** of the agricultural cooperative and its specialities as an enterprise. 021679
Pacific *Legal* Foundation—your friend in court [Land use]. 021212
Legal **protection** of waters from pollution. 030982
Is the compulsory discount of the salary of rural dwellers to contribute in favor of the **syndicate** *legal?* 021793

LEGHEMOGLOBIN

Circular dichroism studies of myoglobin and *leghemoglobin* **[Soybeans].** 026910

LEGHORNS *see* CHICKENS

LEGISLATION

The forest practice-environmental issue (it's snafu in California **again)** *[Legislation].* 025141
Preservation of agricultural land: rational and *legislation.* The **British** Colombia experience. 021179
Legislation on **cereals** in Piedmont in 1800. 021805
DM3, the complex of the new rules regulating the composition and sale of farm **feeds** *[Legislation].* 021798
Contribution of share farming to social peace in the country *[Legislation,* **land** reforms, economic aspects, Colombia]. 021218
Considerations on the preliminary plan of the agricultural law *[Legislation,* **land** expropriation, Argentina]. 021687
Vexatious reform of land **leases** *[Legislation].* 021159
Land use *legislation* in the **Northeast:** New Hampshire. 021676
Land use *legislation* in the **Northeast:** Maine. 021677

A beekeeper's right to keep bees lawfully on property, over a neighbor's **objections** *[Legislation].* 029720
Evaluation of the possible impact of **pesticide** *legislation* on research and development activities of pesticide manufacturers. 029147
Agricultural trade unionism: some comments on the **proposed** *legislation* [New Zealand]. 021711
Legislation to **revive** small farming in England 1887-1914. 021685
Legislation on **rum** and its chemical constitution. 021688
Recent developments in the use of aldrin, dieldrin and 2,4,5-T [trichlorophenoxyacetic acid] in the **USA** *[Legislation].* 021788
Level of wastewater technology in the sugar industry and **wastewater** *legislation.* 030989

LEGS

The economic aspect of spastic paresis of the **hind** *legs* of Friesian cattle. 024917
Relationship between *leg* **troubles** and movement defects and fattening performance, carcass yield and retention capacity [Swine]. 024815

LEGUMES

Distribution of cadaverine and other amines in higher plants *[Legumes,* **barley].** 027006
[Genetic] analysis of **complex** *leguminous* plants' characters. 026157
Insect pests of *leguminous* **crops** [Peas, beans]. 028909
Legume **culture** and improvement in the USSR. 027543
Asparagine metabolism—key to the nitrogen nutrition of **developing** *legume* seeds [White lupins]. 027016
Legume **establishment** on low fertility semi-arid tussock grasslands. 027460
Application of nitrogen **fertilizers** to *legumes.* 030545
Frequency of occurrence of winter injury to **forage** *legume,* winter cereal and strawberry plants in Prince Edward Island, 1901-1975. 028346
Gastrointestinal gas production in rats fed on diets containing **germinated** *legumes* [Green-gram, chickpea and cowpea]. 022183
M3-1 thresher of breeding material [of cereals and **grain** *legumes].* 026260
Study of [seed] mixtures for hydrosowing [Perennial **grassesand** *legumes,* soil stabilization on slopes]. 030609
Growing *leguminous* pastures on the Lilongwe Plain. 027567
Some *leguminous* **hosts** for potato virus X [Gomphrena globosa]. 028269
The role of **meadow** *leguminous* grasses in increasing productivity of cultivated pastures. 027565
On the possibility of using a jointly cultured system of isolated tissues from *legumes* and **nodular** bacteria for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. 026949
Feeding damage to several *leguminous* and **non-leguminous** plants by the Egyptian alfalfa weevil [Hypera brunneipennis]. 028730
It is the season for *legumes* **[Pasture** management]. 027499
Legumes in **pecan** orchards. 027814
Sod-seeding [practices for] *legumes* in **permanent** pastures. 027396
Cytogenetic characteristics of tissue cultures from *legume* **plants** [Lathyrus odoratus, broad-beans, peas]. 026140
Feeding damage to several leguminous and *non-leguminous* **plants** by the Egyptian alfalfa weevil [Hypera brunneipennis]. 028730
Verification of effect of bacterial inoculation [of *legumes]* with the **preparation** Rizobin [Rhizobium]. 030553
Effect of germination and cooking on the protein efficiency **ratio** of some *legumes.* 022179
The orientation of certain root-nodule bacteria at interfaces, including *legume* **root-hair** surfaces. 026648
Investigation on the efficiency of the reduction of submitted samples, carried on the model of grass and *leguminous* **seed** mixtures [Quality tests]. 027414
Qualitative study of tocopherols in some *legume* **seeds.** 022196
Shoot zone uptake of soil-applied herbicides in some *legume* **species** [Broadbeans, scarlet runner beans, vetch]. 028603
Effect of coumarins on germination and growth of some forage grasses and *legumes* **[Trifolium** repens, Trifolium pratense, Phleum pratense]. 026997
Parasitic fungi on [forage] *legumes* during the **winter** period in the foothill zone of Kabardino-Balkaria. 028018
Weed control in **winter** *legumes* and in safflower with Kerb 50. 028518

LEGUMINOSAE

A revision of the North American genus **Amorpha** *(Leguminosae-Psoraleae).* 025807
Beliceodendron, a new genus in the *Leguminosae* **(Cercideae)** from Central America. 025850
Nomenclatural changes in several **Himalayan** *Leguminosae.* 025713

LEMAIREOCEREUS

Influence of clay dishes on growth of seedlings of *Lemaireocereus* **griseus** (Haworth) Britton & Rose. 027209

LEMNACEAE

Attempts at establishing the culture conditions for *Lemna* **minor** L. 026332
The measurement of protein turnover by density labelling *[Lemna* **minor].** 026399
Inhibition of chlorophyll synthesis in *Lemna* **minor** by nalidixic acid. 026446
Phytochrome control of the lag phase of chlorophyll accumulation in *Lemna* **minor.** 026448

LEMONS

Importance of essential oils in the development of *lemon* and **bergamot** culture in Italy [Economic aspects]. 021188
Relation of growth and fruiting in *lemon* **(Citrus** limon Burmann). 027182
The biological specificity of fruit bearing of *lemons* under the **conditions** of Anaseuli [USSR]. 027293
Effects of ethephon and waxing on the degreening of **Cyprusgrown** *lemons* and grapefruit. 022945
The effect of Carbowax 4000 on the activity of peroxidase and polyphenol oxidase enzyme extracts from citrus leaves *[Lemon* **disease].** 028320
Experiments on the harmful effect of Aculus pelekassi K. On the yield and quality of **essential** *lemon* oil. 028857
Investigations on the nitrogenous substances of citrus fruits. V. The free amino acids of *lemon* **juice.** 022894
Effect of concentration process on cloud stability of **reconstituted** *lemon* juice. 022947
Rough *lemon* tree decline [Phytophthora] peroxidase activity, isoenzymes and respiration rate of the leaves. 027892
Control of Pratylenchus brachyurus in **rough** *lemon* seedlingswith Dowco 275 (diethyl-fluoro-pyridyl-phosphorothioate. 028406

LENDING

Forest Service films available on *loan* for **educational** purposes to schools, civic groups, churches, television. 025028
Loan of 310 **million** dollars for agricultural development. 021414
Emergency livestock "line of credit" guarantees [Farmers Home Administration, **rural** *loans.* 021421

LENSES

On the preparation of the component B lectin from the hemagglutinin of *Lens* **culinaris** [Lentils]. 027068

LENTILS

On the preparation of the component B lectin from the hemagglutinin of Lens **culinaris** *[Lentils].* 027068
Root gradients: a new micro-technique for analyzing acid **phosphomonoesterases** *[Lentils].* 027233
Effects of morphactin on the growth and amino acids content of *lentil* **roots.** 027149

LENTINUS

Studies on virus like particles in *Lentinus* **edodes** [Mushrooms]. 028244
Virus-like particles in shiitake mushroom, *Lentinus* **edodes** (Berk.) Sing. 028249

LEONTICE

Darvasoline—a new alkaloid of *Leontice* **darvasica.** 026473

LEPIDIUM

Influence of various conbinations of silybine, silydianine and silychristine on the embryonic growth of garden **cress** *(Lepidium* sativum L.). 027173

LEPIDOPTERA

A new species of Euphaedra [dargei] *(Lepidoptera,* **African** Nymphalidae). 029619
Description of nine Attacidae from South **America** *(Lepidoptera)* [New taxa]. 029621
Description of nine Attacidae from South **America** *(Lepidoptera)* [New taxa]. 029622
On variation of preoviposition period in Utetheisa pulchella L. *(Lepidoptera,* **Arctiidae)** [Pest of Crotolaria juncea]. 028686
Electron microscope studies of reticulated cellular structures induced by **baculoviruses** in *Lepidoptera.* 029265
Catalog of the **Belgian** *Lepidoptera.* 029620
To destroy them or help them to survive **[Butterflies,** *Lepidoptera].* 029344
Local collection of **butterflies** *(Lepidoptera)* from the Kivu area (Republic of Zaire, Africa). 029630
Notes on Pieris **chieranthi** *(Lepidoptera,* Pieridae). 029585
Aspirator for collecting and separating small insects *[Lepidoptera,* **Coleoptera].** 029240
Low-volume spraying of stands with dendrobacillin [for biological control of *lepidopteran* **cotton** pests]. 028763
Courtship behavior and use of chemical communication by males of certain species of ithomiine butterflies (Nymphalidae: *Lepidoptera)* **[Danainae].** 029215
Danainae *(Lepidoptera)* and 1,2-dehydropyrrolizidine alkaloid-containing plants—with reference to observations made in the New Hebrides. 029476
Orientation and dispersal of late-stage larvae of Porthetria **dispar** *(Lepidoptera:* Lymantriidae). 029284
Comparison between the zymograms of two insect cell lines: Antheraea eucalypti and Malacosoma **disstria** *(Lepidoptera).* 029261
Revisional notes on African Charaxes, Palla and **Euxanthe** *(Lepidoptera:* Nymphalidae). X. [New taxa]. 029546
Biosystematics of the genus **Euxoa** *(Lepidoptera:* Noctuidae). IV. Eggs of the subgenus Euxoa Hbn. 029551
The misturata group of the genus **Euxoa** *(Lepidoptera:* Noctuidae) with a description of a new species [Euxoa melana]. 029554
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, Choristoneura **fumiferana** *(Lepidoptera:* Tortricidae) [Picea glauca, Abies balsamea]. 028927
Melanism and climate. I. Study of the variation of the marble white butterfly, Melanargia **galathea** *(Lepidoptera,* Satyridae), in France. 029238
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) *(Lepidoptera,* **Galleriidae)** on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Evaluation of Bacillus thuringiensis Berliner and insecticides in the control of larvae of Maculella spp. *(Lepidoptera,* **Hepialidae)** in pastures. 028702
The first record of Rachelia extrusa (C. And R. Felder) *(Lepidoptera:* **Hesperiidae:** Trapezitinae) in Australia. 029609
Diagnosis of three new species of *Lepidoptera* **Heterocera** from East Africa [Imbrasia (Nudaurelia) zaodeae, Phiala bergeri, Macropoliana afarorum]. 029623
Aflatoxin production [by Aspergillus flavus] and *Lepidopteran* **insect** injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Study on the locomotion determinism of the first stage larvae of Acrolepiopsis (Acrolepia) assectella Zell. *(Lepidoptera)* **inside** the host plant [Leeks]. 028825
Danaus sita from the Philippine **Islands** *(Lepidoptera,* Danaidae). 029583
Photoperiod effects on development of the larch casebearer, Coleophora **laricella** *(Lepidoptera:* Coleophoridae). 029285
Known distribution of the European skipper, Thymelicus **lineola** *(Lepidoptera:* Hesperiidae), in Quebec. 029552
Dispersal of 32 P[phosphorus isotope]-treated larvae of Spodoptera litura and Spodoptera **mauritia** *(Lepidoptera:* Noctuidae) [Effect of the wind direction]. 028714
Role of the perisympathetic organs in the activation of oviposition in Galleria **mellonella** *(Lepidoptera).* 029274
A remarkable Appias [indra treadawayi]-form from **Mindanao** *(Lepidoptera,* Pieridae). 029582
Trehalase activity in the silk glands of the silkworm, Bombyx **mori** *(Lepidoptera:* Bombycidae). 029777
Symmocid **moths** *(Lepidoptera)* from Africa in the Museum d'histoire naturelle, Geneve [Dyscordaxis pygmeus, Afrosymmoca seydeli, new taxa]. 029688
A new subspecies of Glaucopsyche (Phaedrotes) piasus [nevada] from **Nevada** *(Lepidoptera:* Lycaenidae). 029652
A study to suppress codling moth [Laspeyresia pomonella] *(Lepidoptera:* **Olethreutidae)** with sex pheromone traps [Apple pests]. 028827
Observations on cattle infectious keratoconjunctivitis in Ivory Coast. II. Study of the **ophthalmotropic** *lepidoptera* as vector. 024641
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes **orana** *(Lepidoptera,* Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
New observations on flies of the family Tachinidae which **parasitize** *Lepidoptera.* 029487
Parasitoids associated with *lepidopterous* **pests** on peanuts; Oklahoma fauna [Natural control agents]. 028736
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of *Lepidopterous* **pests** of soybeans [Biological control]. 028747
Daily rhythm of Synanthedon **pictipes** *(Lepidoptera:* Aegeriidae) female calling behavior in Wisconsin: temperature effects. 029328
Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum **pluviale** *(Lepidoptera:* Lasiocampidae). 028924
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of Antheraea **polyphemus** *(Lepidoptera).* II. Changes after motor nerve section. 029294
Haemocytic reactions in *Lepidoptera* **pupae.** Intensity of the reaction at differents regions of the pupae body of Pieris brassicae. 029267
Host records for *Lepidoptera* **reared** in eastern North America. 028681
Investigations on the biology, distribution, economical importance and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. *(Lepidoptera:* **Scythridae)** in Denizli [Pest of cereals]. 028794
Variation in the reproductive potential of Earias fabia **Stoll** *(Lepidoptera:* Noctuidae) reared on whole fruit of okra or on its components. 029483
Systematics and zoogeography of the family Neopseustidae with the proposal of a new **superfamily** *(Lepidoptera:* Neopseustoidea). 029701
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) *(Lepidoptera:* **Tortricidae)** in the western part of Turkey. 028893

Approaches to assessing insecticide efficacy in spruce budworm [Choristoneura fumiferana] *(Lepidoptera:* **Tortricidae)** control programs. 028923
"Porapak Q" adsorption of airborne organic compounds by the virgin female of Choristoneura fumiferana (Clem.) *(Lepidoptera,* **Tortricidae):** Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272
Effects of photoperiod and size on flight activity and oviposition in the eastern spruce budworm [Choristoneura fumiferana] *(Lepidoptera:* **Tortricidae).** 029281
Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: Ichneumonidae), a parasitoid of Epinotia tedella Cl. *(Lepidoptera:* **Tortricidae).** 029509
Effect of certain vegetables on the larval development of Diacrisia obliqua **Walker** *(Lepidoptera:* Arctiidae). 028861

LEPTINOTARSA
Effect of the new insecticide PDD 60-40 on the fertility of Epilachna varivestis Muls. (Coleoptera, Coccinellidae) and *Leptinotarsa* **decemlineata** Say. (Coleoptera, Chrysomelidae). 028689
Potato varieties resistant to the Colorado beetle *[Leptinotarsa* **decemlineata].** 028878
Enemies of the Colorado potato beetle *[Leptinotarsa* **decemlineata,** natural control]. 028904
Experience gained in control of Colorado potato beetle *[Leptinotarsa* **decemlineata].** 028907

LEPTOGIUM
Effects of light intensity and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, *Leptogium* **cyanescens** and Collema subfurvum [Lichens]. 026427

LEPTOSPERMUM *see* MYRTACEAE

LEPTOSPHAERIA *see* SPHAERIACEAE

LEPTOSPIRA
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane *[Leptospira* **interrogans** canicola]. 024530
Deoxyribonuclease **production** by *leptospires.* 024399

LEPTOSPIROSIS
Bovine *leptospirosis.* 024747
Serological inquiry in the province of Quebec on *leptospirosis* in **dairy** cattle. 024707
The danger of *leptospirosis* **diseases** [Livestock]. 024528
Leptospirosis in **domestic** animals in the south of Chile. A serological study. 024799
Leptospirosis in San **Martin,** Peru [Man, animals]. 024464

LESIONS
Staining reactions of the tissue **bordering** *lesions* induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262
Chronic *lesions* in geese photosensitized by Ammi majus. 024819
Calf blood extract in treatment of equine **foot** *lesions.* 024982
Chronic fibrous teat end *lesions* of **lactating** dairy cows. 024823
Anatomical study of **leaf** *lesions* on three varieties of rice as a result of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Leucodystrophic *lesions* in the brain of young cats. 024903
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of **local** *lesions* of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222
Contribution to the treatment of **udder** *lesions* and teat wounds in cattle with Actihaemyl. 024994

LESTES
Observations on egg laying of four Odonata of the **genus** *Lestes* (Zygoptera: Lestidae) in Quebec. 029451

LESTIDAE
Observations on egg laying of four Odonata of the genus Lestes (Zygoptera: *Lestidae)* in **Quebec.** 029451

LETHAL
Nonnuclear mutations in sunflower. II. *Lethal* **chlorophyll** mutations in the progeny of plants with variegated leaves. 026286
A study of the sequences of chicken **embryo** *lethal* orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762
Distasteful fireflies [Photinus umbratus] sometimes emetic, but not *lethal* [to **fence** lizards and skinks]. 029356
Studies on the *dominant-lethal* and **fertility** effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and female mice. 024156
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. Maternal effect and dominance of *lethals* in **hybrids** Drosophila virilis Sturt. X Drosophila. 029464
Lethal **levels** of sodium chloride and potassium chloride for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Lethal and **mutagenic** effects of gamma rays on Chaetomium aureum Chivers [Fungi]. 026133
Hemagglutinating properties of CELO *[chicken-embryo-lethal-orphan],* an **oncogenic** avian adenovirus. 024437
Chemical induction of **presumed** *dominant-lethal* mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
The amino acid sequence of purothionin A, a *lethal* **toxic** protein for brewer's yeasts [Saccharomyces cerevisiae] from wheat [flour]. 026350
Environmental impact of *Lethal* **Yellowing** disease of coconut palms. 028359
Lethal **yellowing:** intensive probe is launched [Coconuts, diseases of unknown origin]. 028440
Malayan Dwarf [Diseases of unknown origin] palm, resistant to *lethal* **yellowing,** is recommended for planting in Florida. 028441

LETTUCE
The response of various breeding lines of *lettuce* to **beet** western yellows virus. 026083
Lindane metabolism in *lettuce* under **controlled** and natural conditions. 029136
Enzyme to break down *lettuce* **endosperm** cell wall during gibberellin- and light-induced germination. 027217
The response of the heated **glasshouse** *lettuce* crop to in situ supplements of low illuminance fluorescent light. 027645
Effects of temperature on the germination and emergence of *lettuce* **(lactuca** sativa, L.) varieties. 027198
Annotated bibliography on storage of *lettuce,* 1972-1974. 022967
Annotated bibliography on photoperiodic control of flowering in *lettuce,* 1965-1974. 027284
Endogenous abscisic acid levels in germinating and **nongerminating** *lettuce* seed. 027270
Influnce of SO2 [sulphur dioxide] on the vitamine content of plants [Tomato, **pea,** *lettuce].* 027115
Effect of gibberellic acid, kinetin, and ethylene plus carbon dioxide on the thermodormancy of *lettuce* **seed** (Lactuca sativa L. cv. Mesa 659). 027268
Effect of inoculum level and plant age on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to **tomatoand** *lettuce* [Nematodes]. 028418
Growing vegetable crops in rockwool and other media *[Lettuce,* **tomatoes,** cucumbers]. 027605

LEUCAENA
Close relationships in sheath function during inflorescence and flowering [Peperomia caperata, Piper brevipedunculatum, *Leucaena* **latisiliqua].** 026421

LEUCINE
Amino acid requirements of the young turkey: *leucine,* **isoleucine** and valine. 023711
Kinetic studies of *leucyl* **transfer** RNA synthetase from Bakers' yeast: Order of addition of substrates and release of products. 026628

LEUCOPHAEA
Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in *Leucophaea* **maderae** (Dictyoptera, Blattidae) crossing of the gut wall. 028991
Bursicon release and activity in haemolymph during metamorphosis of the cockroach, *Leucophaea* **maderae.** 029406

LEUKEMIA
An unusual case of dilatation of the esophagus in a cat [Lymphosarcomas, **feline** *leukemia* virus]. 024367
Lymphosarcoma *(leukemia)* of cattle [Virus diseases]. 024468
Nucleotide sequences in the RNA of **mammalian** *leukemia* and sarcoma viruses. 024461
An *anti-leukemic* **substance** from a Taiwan medicinal plant [Drymaria cordata]: Cordacin. 026589

LEUKOCYTES
Studies on the cultivation of an agent of bovine leucosis in **bovine** *leucocyte* cultures. 3. Leucosis transmission to calves with cell-free culture medium. 024806
Interpretation of total and **differential** *leukocyte* counts [Dogs, cattle]. 024305
A *leukocyte* **migration** inhibition assay technique using blood clot fragments in vitro [Guinea pigs, immunization]. 023397
A study of the action of the cationic proteins from rabbit **polymorphonuclear** *leucocytes* on the staphylococcal cell membrane [Staphylococcus aureus]. 023316
The role of **polymorphonuclear** *leucocytes* in the autologous phase of nephrotoxic nephritis [Rabbits]. 023373
Influence of carbohydrate-free protein-rich diet on free alpha-amino **nitrogen** changes in plasma, erythrocytes and *leucocytes* **[Rats].** 022172

LEUKOSIS
Testing and management of a specific pathogen free chicken flock with special reference to **avian** *leukosis* virus infections. 024400
Studies on the cultivation of an agent of **bovine** *leucosis* in bovine leucocyte cultures. 3. Leucosis transmission to calves with cell-free culture medium. 024806
Histopathological study on six cases of **calf** *leukosis.* 024877
Studies of leucosis and specific antibodies in sera of *leucotic* **cattle** and sheep by immuno and countercurrent electrophoresis. 024805
Experimental transmission of **lymphatic** *leucosis* of sheep. 024796
Infectious bursal agent of chickens reduces the incidence of **lymphoid** *leukosis.* 024456
The serum-gamma-globulin picture in cattle and **sheep** with *leucosis.* 024809
Studies of *leucosis* and **specific** antibodies in sera of leucotic cattle and sheep by immuno and countercurrent electrophoresis. 024805
Further studies on the occurrence of antibodies against C-type virus specific antigen in sera of cattle from *leucosis-infected,* **suspicious** and unsuspicious herds. 024797
Studies on the cultivation of an agent of bovine leucosis in bovine leucocyte cultures. 3. *Leucosis* **transmission** to calves with cell-free culture medium. 024806

LICE
Concerning the fauna of **bird** *lice* parasitizing snipes of southern Turkmenistan [New taxa]. 029600
On the fauna of **bird** *lice* (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. 029602
Counting the cost of **cattle** *lice.* 029006
Use of quill comb in the diagnosis of ectoparasites [Fleas, *lice,* **Cheyletiella** and forage mites, animals]. 029075
A guide to the control of external parasites of poultry *[Lice,* **mites,** ticks, fleas]. 029072
Ectoparasites [of the willow grouse and the ptarmigan] in **Norway** *[Lice].* 029014

LICENSING
Pesticide *license* [Greenhouse operators]. 029091

LICHENS
Investigations on the ecology and physiology of the marine blue-green **algae** *lichen* Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Studies in **Antarctic** *lichens.* III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the Antarctic and moss-inhabiting species of Rinodina from other parts of the world. 025755
Studies in **Antarctic** *lichens* IV. Notes on Umbilicaria aprina Nyl. 025756
Studies in **Antarctic** *lichens.* V. Lichenes Antarctici Exsiccati, Fascicle I, with additonal notes on the taxonomy of each species. 025757
Lichen **biomass** in Acadian and Boreal forests of Cape Breton Island, Nova Scotia. 025879
Canopy *lichens* with blue-green algae: a nitrogen source in a Colombian rain forest. 025894
The *lichen* **Dimelaena** oreina in east-central Asia, with notes on its typification and chemical races. 025605
Enzyme reaction as indicator of pollution **effects** on *lichens.* 028326
Preliminary work of a monograph on the *lichen* **family** Roccellaceae Chev. I. The genus Sagenidium Stirt. [New taxa]. 025623
Observations on the *lichen* **flora** and vegetation of the Canary Islands. 1. Ochrolechia szatalaensis Vers (Pertusariaceae). 025686
Moss [Musci] parasitic species of *lichen* **genera** Micarea and Vezdaea [New taxa]. 025619
Lichen **growth** on Camellias [as indicator of their poor condition]. 028324
Recent literature on *lichens.* 92. 025549
New state records of *lichens* from **northern** California. 025642
A *lichen* **(Parmelia** conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, air pollution, indicator plants]. 025880
Effects of light intensity and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema **subfurvum** *[Lichens].* 026427

LICORICE
New type chalcones from *licorice* **[Glycyrrhiza** glabra]. 026848

LIGAMENTS
Proteins of the periodontium: Identification of collagens with the [alpha1(I)]2alpha 2 and [alpha(III)]3 structures in bovine **periodontal** *ligament.* 023484

LIGANDS
The absorption by boar spermatozoa of zinc bound to low molecular **weight** *ligands.* 024129

LIGASES
The p-coumaryl **CoA** *ligase* of potato tubers. 027255

LIGATION
Antiarrhythmic, Haemodynamic and metabolic effects of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in Greyhounds following acute coronary **artery** *ligation.* 023320

LIGHT
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. *Light* **absorbing** photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. *Light* **absorbing** photosynthetic pigment composition. 026600

The reproduction of fiber flax hybrids grown under **artificial** *light.* 026274
Biosynthesis of chlorophyll b in a homogenate of green leaves in the dark and under *light* **[Barley].** 026947
Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL **[black** *light]* traps. 028753
Population fluctuations of Oriental tobacco budworm (Heliothis assulta G.) in **black** *light-traps* and field control studies. 028791
On the respiratory enhancement in Chlorella pyrenoidosa by **blue** *light* [Algae]. 026803
Conformational changes in spinach (Spinacia oleracea) leaves chloroplasts in vivo [when exposed to red or **blue** *light].* 027093
Synthesis of myosin heavy and *light* **chains** in muscle cultures [Chick embryos]. 023498
Energy supply and *light-enhanced* **chloride** uptake in wheat laminae. 027022
Crown-gall [Agrobacterium tumefaciens] on castor bean leaves. V. Effect of *light* and **chlorophyll** content on tumour initiation. 028130
Shearing resistance, internal friction and coherence of *light-grey* and **cinnamon-grey** forest soils. 030293
Light **conditions** and their regulation for wheat stand in high yield field. 026941
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, translocation and distribution of 32P [phosphorus isotope] in cotton plants under different *light* **conditions.** 026945
Light-dependent **control** [system] of day temperature for early tomato crops. 027615
Extractability of gibberellin-like substances from tulips grown at two temperatures in either the *light* or **dark.** 027074
Kinetin effects on carotenoids and chlorophylls of Spirodela polyrrhiza (L.) Schleiden under *light* and **darkness.** 026701
Effect of temperature, *light,* and **dew** duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. 028052
Chlorophyll amount for analysis of matter production in forage crops. III. Leaf photosynthesis under **dim** *light,* maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Light-dark **discrimination** and reversal learning in early postnatal kittens. 023385
Effect of *light* on **egg-laying** rate and mating speed in phototactic strains of Drosophila. 029456
A *light* and **electron** microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free salt solution. 023383
A study of the chromosomes of the yeast Schizosaccharomycespombe by *light* and **electron** microscopy. 026002
Light and **electron** microscopy of broadbean wilt virus intracellular inclusions. 028252
Light and **electron** microscopy of the hepatopancreas of the isopod Acellus intermedius. 029293
Ultrastructure of the larval firefly light organ as related to control of *light* **emission** [Photuris pennsylvanica]. 029295
Ecology of moss-living arthropods, by the *light* of **factorial** analysis of correspondances: Collembola and Oribata of Sidobre (Tarn, France). 029462
The role of spatial structure of a *light* **field** in the formation of spring wheat crop [for the reproduction of breeding material]. 026277
Procedural change in the official method for the extraction of *light* **filth** from cocoa, chocolate, and press cake. 021915
Ultrastructure of the larval **firefly** *light* organ as related to control of light emission [Photuris pennsylvanica]. 029295
The response of the heated glasshouse lettuce crop to in situ supplements of low illuminance **fluorescent** *light.* 027645
Fluorescent *light* orchid culture: growing Paphiopedilums ina Flora Cart. 027704
Orientations and trends in modern silviculture concerning the choice and application of treatments in the *light* of **forest** functions. 025232
Enzyme to break down lettuce endosperm cell wall during gibberellin- and *light-induced* **germination.** 027217
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to *light* and **gravity.** 028677
Reaction of interruption of darkness by *light* and **growth** inhibitors [Tobacco]. 026950
UV [ultraviolet] *light* **inactivation** kinetics of wheat stem rust uredospores [Puccinia graminis]. 027874
Effects of *light* **intensity** and temperature on nitrogen fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427
Anatomical repercussions of *light* **intensity** on Virginia creepers Parthenocissus tricuspidata. 026434
The influence of temperature, daylength and *light* **intensity** on flowering in Hydrangea macrophylla (Thunb.) Ser. 027642
Phytotoxic action of desmedipham: influence of temperature and *light* **intensity** [Sugarbeets, plant injuries]. 028456
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of actinomycin D and ethidium bromide. I. *Light-microscope* **investigations** [Algae]. 026057
Soils of *light* **mechanical** composition and cultivated pastures. 030382
The development of the guinea pig gallbladder epithelial cells. I. *Light* **microscopical** and carbohydrate-histochemical investigations. 023423
Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An ultrastructural and *light* **microscopical** study of zygotes and rhizoids. 026060
Mosquito collections in El Salvador with ultraviolet and CDC **miniature** *light* traps with and without dry ice. 029051
New *light* on zinc [Trace element deficiencies]. 021994
Programming LOIS *[light* **operated** interval switch] for multiple mist signals [Irrigation equipment]. 030021
Phycobilisomes: *light-harvesting* **pigment** complexes [Chlorophyll, photosynthetesis]. 026419
Red *light* enhances the growth of Avena coleoptiles. 026873
Red *light* effect on asp-U-14C [carbon isotope] incorporation in the soluble fraction of Zea mays L. 027065
Enhancement of CO2 [carbon dioxide] gas exchange in the leaves of Convallaria majalis L., its action spectrum and *light* **saturation.** 027275
Dormancy breaking in the *light-sensitive* **seeds** in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Growth and flowering responses of Lilium longiflorum to bulb and **shoot** *light* and temperature treatments. 027077
Solid-state *light-intensity* controller [for incandescent lamps] for [entomological and] biological research. 029241
Response of the marine angiosperm Phyllospadix torreyi to certain environmental variables: a preliminary study [Salinity, *light,* **temperature].** 026373
Effects of *light* and **temperature** on nodulation of cowpea and hyacinth bean. 027189
Factors affecting flowering in Regal Pelargonium (Pelargonium x Domesticum Bail) **[Temperature,** *light].* 027600
Winter blindness of Gladiolus: interaction of *light* and **temperature.** 028313
Light-dependent **temperature** programmes for early-sown tomatoes [in greenhouses]. 029879
Effect of CaCO3 [calcium carbonate] and iron on the availability of iron in a *light* **textured** soil. 030238
Light-stimulated **toxin** production in Helminthosporium maydis, race T, cultures [Southern corn leaf blight]. 027919
Studies on the nondestructive measurement of quality of Satsuma mandarin oranges. II. The use of *light* **transmittance** techniques for fruit grading. 021861
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of **ultraviolet** *light.* 026650
Bioassay of nuclear polyhedrosis virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against **ultraviolet** *light.* 028674
Frequency of nonsense mutations (amber and ochre) induced by UV [ultraviolet] *light* in the **ura3** gene in Saccharomyces cerevisiae [Yeasts]. 026222

LIGHTWEIGHT

A laboratory investigation of puckering in *lightweight* **linerboards.** 025501

LIGNAN

A **new** *lignan* from Carissa carandas. 026709

LIGNINS

A comparison of some chemical and physical properties of **alkali** *lignins* from grass and lucerne hays before and after digestion by sheep. 023776
Semiconductor properties of **ammoniated** *lignin.* 025328
Production of furfural and furan compounds [using wood pulp and **cereal** *lignin]* in foreign countries. 025321
Synthesis of guaiacylglycerol-beta-guaiacyl ether *[Lignin* **chemistry].** 025367
Colloidal *lignin* and the method of detecting it in hydrolysis wastes. 025300
On the hydrogenolysis of *lignin.* 9. **Comparative** hydrogenolyses of different lignin preparations from some species. 025470
Comparative studies on cellulolytic **enzyme** *lignin* and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362
Changes in cell-wall carbohydrates and *lignin* of some **forage-type** millets [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985
Studies on *lignin* **formation** in fungus [Alternaria japonica, Peronospora parasitica]-infected plants. 027904
Studies on *lignin-carbohydrate-complexes* by **high** resolution electron microscopy. 025365
Effect of water-soluble substances of **hydrolyzed** *lignin* on the properties of the pressed products. 025307
Production of fuel briquets from **hydrolyzed** *lignin.* 025322
Pyrolysis of **hydrolyzed** *lignin* in plasma at low temperature. 025324
Tests of screw conveyor press for forming **hydrolyzed** *lignin.* 025338
Delignification of wood using pressurized oxygen. II. Kinetics of *lignin* **oxidation.** 025469
On the hydrogenolysis of lignin. 9. Comparative hydrogenolyses of different *lignin* **preparations** from some species. 025470
Investigation of the possibility of using *lignin* to **purify** the post-fermentation yeast sediments [from hydrolysis establishments]. 030899
On the solvation of **sulfate** *lignin* in some organic solvents. 025407
Development of *ligneous* **weeds** on volcanic soils in pure stands and those mixed with Graminease [Chile]. 025856
Comparative studies on cellulolytic enzyme lignin and milled **wood** *lignin* of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362

LIGNITES

Studies on the development of spontaneous vegetation of anthropogenic waters in the recultivation area of **open** *lignite* mines in the Rhine area. 025875
An introduction to easements [Land-oriented legal problems, *lignite* **resources].** 021682

LILIACEAE

Comparison of ultrastructural localization of acid phosphatasic activity in Allium cepa L. *(Liliaceae)* **[onions]** radicles, developed at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224

LILIES

Viruses of *lilies* and their **control.** 028211
Chemical control of **diseases** on *lilies.* 028298
Increased susceptibility of **Easter** *lilies* to Pythium root rot as a result of infection by necrotic fleck virus complex. 027880
Studies on the basal fertilizer for **Easter** *lily* (Lilium longiflorum Thunb.) bulb growing. 030544
Photographic review of the developmental stages of flower formation in tulips, **irises** and *lilies.* 025932
Additional lighting of *lilies* **[Lilium]** (cv. "Enchantment") in the winter to prevent flower-bud abscission [Varieties, forcing]. 027588
Progress in the promotion of flowering in *lilies* **[Lilium** speciosumin varieties] by supplementary illumination. 027625
The **water** *lily,* a potential forage plant for cattle. 023052

LILIUM

Embryo culture as an aid to **breeding** *Lilium.* 026073
Additional lighting of lilies *[Lilium]* (cv. **"Enchantment"**) in the winter to prevent flower-bud abscission [Varieties, forcing]. 027588
Studies on the basal fertilizer for Easter **lily** *(Lilium* longiflorum Thunb.) bulb growing. 030544
Growth and flowering responses of *Lilium* **longiflorum** to bulb and shoot light and temperature treatments. 027077
Predicting bulb size and maturity in *Lilium* **longiflorum** Thunb. cultivars [Varieties]. 027080
The influence of bulb harvest dates, temperature treatments and growth substances on the ontogeny of *Lilium* **longiflorum.** 027089
Calcium accumulatons within the growing tips of pollen tubes *[Lilium* **longiflorum].** 027192
Lectins stimulate pollen germination *[Lilium* **longiflorum].** 027218
Absolute dormancy of pollen induced by soaking in organic solvents [Chrysanthemum pacificum, *Lilium* **longiflorum].** 027282
Cytochemical investigations of the megasporocyte and embryo sac in *Lilium* **regale** at various stages of development. 027094
Progress in the promotion of flowering in lilies *[Lilium* **speciosumin** varieties] by supplementary illumination. 027625

LIMACODIDAE

Use of a pathogenic germ in the control of Sibine **fusca** *(Limacodidae)* [Pests of oilpalms]. 028672

LIMBS

The status of loci of ossification and epiphyseal plates in the *limb* **bones** of neonatal crossbred (Banuur X Nali) sheep. 023433
A new approach to tree fruit collection *[Limb* **padding,** space-fill, equipment]. 030141
Limb **regeneration** and apolysis in the tick, Ornithodoros tartakovskyi. 029413

LIMES

Lime and **fertilisers** are essential for progress in farming. 030448
Influence of *lime* and **phosphorus** buildup on moisture retention characteristics of Hebbal Red loamy soils. 030592
Lime-induced **reactions** in municipal wastewaters. 030932
Studies on the influence of a long **term** *lime* fertilization on the humus composition and carbohydrate content of rice soils. 030531

LIMESTONE

The calcium, magnesium and micronutrient contents of **agricultural** *liming* materials available to Georgia farmers. 030462
Limestone **drainage** systems. 030665
Liming **effects** on the toxicity to perennial ryegrass [Lolium perenne] of a sewage sludge contaminated with zinc, copperand chromium. 028360
Fertilizing and *liming*—**factors** influencing uptake of trace elements by ornamental plants grown in peat substrate. 027075
Effect of *liming* **peat-bog** soils on change in their agrochemical indices and crop yields. 030557
Theoretical premises for **repeated** *liming* of soils. 030565

LIMNOLOGY
Limnological **studies** in Kashmir lakes. IV. Seasonal dynamics of phytoplankton in the Dal and Nagin. 026807

LIMONIN
Quantitative determination of *limonin* in **grapefruit** juice by high-pressure liquid chromatography. 022919

LIMONOIDS
The **meliacins** *(limonoids):* minor constituents of Khaya anthotheca: reduction of the meliacins with zinc-copper couple. 027325

LINARIA
Acacetin and its glycosides in plants of the **genus** *Linaria.* 026466

LINDANE
Persistence of gamma-BHC *[lindane]* and **beta-BHC** [benzene hexachloride] in Indian rice soils under flooded conditions. 028770
Lindane **metabolism** in lettuce under controlled and natural conditions. 029136
Some effects of *lindane* on the **microsomal** enzymes of the rat liver [Pesticides, toxicity]. 029100
Evaluation: *Lindane* [**Pesticide** residues]. 029124

LINDERA
Studies on the constituents of *Lindera* **erythrocarpa** Makino. I. Flavonoids from the fruits. 026659
The structures of C17 [carbon isotope]-obtusilactone dimer and two C21-obtusilactones *[Lindera* **obtusiloba**]. 026851
Carbon-13 NMR [nuclear magnetic resonance] spectra of some furanosesquiterpenes, major components of *Lindera* **strychnifolia.** 026845

LINDERINA
Ultrastructural observations on septal and merosporangial ontogeny in *Linderina* **pennispora** (Kickxellales; Zygomycetes). 025991

LINDERNIA
On separating Ohio specimens of Lindernia dubia and *Lindernia* **anagallidea** (Scrophulariaceae). 025674

LINEAR
A *linear* **dichroism** study using chloroplasts of various structure and pigment composition [Maize]. 027001
Normal mode analysis of the *linear* **equation** of groundwater flow. 030793
A *linear* **programming** livestock-feed grains model. 023018

LINEBREEDING
Problems of *linebreeding* and **crossbreeding** beef cattle. 024028

LINEOLA
Known distribution of the European skipper, **Thymelicus** *lineola* (Lepidoptera: Hesperiidae), in Quebec. 029552

LINERBOARDS *see* BOARDS

LINGUAL
Two phases of *chorda-lingual* **induced** vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. 023557

LINOLEIC
Effect of *linoleic* **acid** on oxidative phosphorylation in mitochondria in rats. 023677
Conversion of *linoleic* **acid** hydroperoxide by soybean lipoxygenase in the presence of guaiacol: identification of the reaction products. 026989
Radio gas chromatographic analysis of volatile aldehydes originating from soybean and oat **lipoxygenase** *linoleic* acid oxidation. 022850
A kinetic study of the competitive oxidation of **oleic** *acid-linoleic* acid mixtures [Food]. 022506

LINUM
Anthocyanin inheritance in petals of flax, *Linum* **usitatissimum.** 026230

LINURON
Residues of atrazine, simazine, *linuron* and **diuron** after repeated annual applications in a peach orchard. 029182
Residual activity of atrazine, alachlor and *linuron* under different **soil** and climatic conditions. 029158

LINYPHIIDAE
The influence of hunting manner on prey size, particularly in spiders with long attack distances (Araneidae, *Linyphiidae,* and **Salticidae**). 029206

LIPASES
Quantification of lactones in ripening pasteurized milk Blue cheese containing added **microbial** *lipases.* 022590
Serum *lipase* in normal cattle. 023430

LIPIDS
Interrelationships of insulin, glucose, *lipid* and **anthropometric** data in a natural population. 022004
Effect of wheat fiber on **blood** *lipids,* fecal steroid excretion and serum iron [in human nutrition]. 021999
Effects of glucocorticoid administration on the deposition of fat in the **cardiac** *lipids* of rats fed rapeseed oil. 022181
Role of antioxidant activity of *lipids* in **cell** metabolism. 022218
Isolation and characterization of the *lipids* from the **chicken** preen gland. 022726
Biochemistry of development in insects [Ceratitis capitata]. Incorporation of fatty acids into different *lipid* **classes.** 029349
Fatty acid composition of *lipids* **common** to aquatic Hyphomycetes [Fungi] in conditions of artificial culture. 026674
Fat metabolism in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a **complex** *lipid* mixture [Potatoes]. 027114
Effects of dietary triglyceride on the properties and *lipid* **composition** of plasma lipoproteins: acute experiments in rats fed safflower oil. 022151
Effect of fermentation, processing and storage on *lipid* **composition** of sauerkraut [Cabbage]. 022948
Variations of the *lipid* **composition** during the formation of cysts in the green alga Protosiphon botryoides. 026774
Comparative changes in hardiness and *lipid* **composition** in two near-isogenic lines of wheat (spring and winter) grown at 2 degrees C and 24 degrees C [centigrade]. 026927
Development of intracellular oil globules and a membrane structure surrounding the **core** *lipids* in the yeast Lipomyces starkeyi. 026590
The fatty acid composition of **fern** *lipids.* 026767
Lipid A **fever** in cats [Produced by the endotoxin of Shigella dysenteriae]. 024612
Furanoid fatty acids from **fish** *lipids.* 022516
The effects of choline and inositol on **hepatic** *lipid* metabolism and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. 024829
Intestinal *lipid* absorption: evidence for an intrinsic defect of chylomicron secretion by normal rat distal intestine. 022153
The cuticles of Citrus species. Composition of the **intracuticular** *lipids* of leaves and fruits. 027208
Biochemical changes associated with growth and development of pineapple variety Kew. IV. Changes in **major** *lipid* constituents. 027179
Temperature dependence of chlorophyll a fluorescence in relation to the physical phase of **membrane** *lipids* in algae and higher plants. 026794
Cellular development and *lipid* **metabolism** of lamb adipose tissue. 023627
Lipid **metabolism** during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Lipid **mobilization** in rabbits. I. Dexamethasone, TSH [thyroid stimulating hormone], and GH [growth hormone]. 023632
Lipid **mobilization** in rabbits. II. Cortisone acetate. 023633
The metabolism of *lipids* in **mouse** pancreatic islets. The oxidation of fatty acids and ketone bodies. 023292
The metabolism of *lipids* in **mouse** pancreatic islets. The biosynthesis of triacylglycerols and phospholipids. 023293
The effect of dietary fatty acids on fatty acid distribution of *lipids* in **neck** adipose pads and superficial pectoral muscle of chicks. 023783
Acidic composition of **neutral** *lipids,* glucolipids and phospholipids from olive tree leaves and chloroplasts. II. 027289
Glycoprotein biosynthesis in plants: Demonstration of *lipid-linked* **oligosaccharides** of mannose and N-acetylglucosamine [Cotton]. 026976
Reaction of **oxidized** *lipids* with protein. 10. Effect of protein on the autoxidation of phospholipids [Food chemistry]. 022523
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and *lipid* **peroxidation** in young growing rats during the treatment of insecticides. 024944
Factors increasing the vitamin E activity of **plant** *lipids* [Soybean oil hydrogenation]. 022846
Cholesterol esterification and *lipids* in **plasma** and liver from newborn and young guinea pigs raised on milk and non-milk diet. 022170
The digestion of the *lipids* of **processed** red clover herbage by sheep. 023779
Effect of a **protected** *lipid* supplement on flavor properties of beef. 022676
Effect of **protected** *lipid* feeding on milk composition [Dairy cattle]. 023815
Fractionation of the *lipids* of **raw** egg. 022729
Effects of *lipids* on the **stability** of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. 023403
A comparative study on the evolution of *lipids* and **starch** reserves at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879
Effect of nutrient starvation on the utilization of **storage** *lipids* in Mortierella ramanniana [Fungi]. 028394
Distribution of cholesteryl esters and other *lipids* in **subcellular** fractions of the adrenal gland of the pig. 023584
Comparative toxic effect of the **surface** *lipid* of Corynebacterium ovis [in sheep] on peritoneal macrophages. 024570
Changes in fatty acid and triglyceride compositions of porcine **tissue** *lipids* associated with growth of pigs. 023572
Effect of prostaglandin PGE on blood and **tissue** *lipids* in rabbit experimental atherosclerosis. 023605
The effect of smoking and drying on the *lipids* of **West** African herring (Sardinella spp.). 022504

LIPOLYSIS
The *lipolytic* **activity** of two porcine growth hormone preparations in pigs. 023645
Subcellular localization of lipoxygenase and *lipolytic* **acyl** hydrolase enzymes in plants [Vegetables]. 027253
Relation of cheddar cheese ripening to **bacterial** *lipolysis* [Lactobacillus casei, L. plantarum]. 022559
Lipolysis by **lactic** acid bacteria recognized through color changes of dye-stained butterfats on double-layered agar plates. 022612
Lipolysis in **refrigerated** milk. 022597

LIPOMYCES
Development of intracellular oil globules and a membrane structure surrounding the core lipids in the **yeast** *Lipomyces* starkeyi. 026590

LIPOPHILIC
Lipophilic **gel** chromatography for isolating sterines and squalenes from unsaponifiable matter of fats. 022422

LIPOPOLYSACCHARIDE
Different effects of **bacterial** *lipopolysaccharide* on neonatal immunological tolerance to HSA [human serum albumin] in rabbits and chickens. 024523
Cross-reactivity patterns of IgM and **IgG** *anti-lipopolysaccharide* antibodies in individual mice. 024513

LIPOPROTEINS
Effect of diet on fatty acids in the *lipoprotein* **cholesteryl** esters of type IIa and normal individuals. 022150
Effects of dietary triglyceride on the properties and lipid composition of **plasma** *lipoproteins:* acute experiments in rats fed safflower oil. 022151
Identification of five allotypes of **serum** *alpha2-lipoprotein* esterases in American minks (Mustela vison). 024220

LIPOSOMES
Study of fatty acid transfers between *liposomes* and **isolated** mitochondria of cauliflowers. 027236

LIPOXYGENASES
Biosynthesis of leaf alcohol: kinetic study of *lipoxygenase* **activation** process caused by hydroperoxylinoleic acid [Soybeans]. 026883
Microbes from soybeans. Inhibition of growth by *lipoxygenase* **isoenzyme.** 022848
Lipoxygenase **isozymes** of peanut. 022798
Subcellular localization of *lipoxygenase* and **lipolytic** acyl hydrolase enzymes in plants [Vegetables]. 027253
Radio gas chromatographic analysis of volatile aldehydes originating from soybean and **oat** *lipoxygenase* linoleic acid oxidation. 022850
Conversion of linoleic acid hydroperoxide by **soybean** *lipoxygenase* in the presence of guaiacol: identification of the reaction products. 026989

LIQUEFACTION
Influence of degree of shear stress reversal on the *liquefaction* **potential** of saturated sand. 030356

LIQUIDAMBAR
Polymorphic site index curves for natural sweetgum *[Liquidambar* **styraciflua]** in Alabama. 025081
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of sweetgum and spruce *[Liquidambar* **styraciflua,** Picea abies]. 025362

LIRIODENDRON
Floral odors and quantitative taxonomy of **Magnolia** and *Liriodendron.* 025833
Electron microscopy of vesicular-arbuscular mycorrhizae of yellow poplar *[Liriodendron* **tulipifera].** II. Intracellular hyphae and vesicles. 025995
Alkaloids of *Liriodendron* **tulipifera.** 027312
Alkaloids of the wood of *Liriodendron* **tulipifera.** 027313
Uptake, distribution, and degradation of simazine by black walnut [Juglans nigra] and yellow-poplar *[Liriodendron* **tulipifera]** seedlings [Herbicides]. 028624

LIRIOMYZA
Effectiveness of a leafminer *[Liriomyza* **sativae]** control program for Florida tomato production. 028866

LISTERIA
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of litter infected with Listeria from a briler farm. To what extent do *Listeria* **bateria** occur in the gut contents of broilers? 024736

LISTROPHORIDAE
Note on the occurrence of the mite Myocoptes musculinus (Koch, 1844) (Acarina, *Listrophoridae)* on **white** mice in the states of Sao Paulo and Rio de Janeiro, Brazil. 029000

LITHOBIUS
Influence of external factors on the oogenetic cycle of *Lithobius* **forficatus** L. (Myriapoda, Chilopoda). 029237
Experimental study of the endocrine regulation of ovogenesis in *Lithobius* **forficatus** L. (Myriapoda, Chilopoda). Role of the pars intercerebralis. 029361

LITHOCARPUS
Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, *Lithocarpus,* **Machilus,** Cinnamomum, Daphniphyllum]. 025904

LITHOSPERMUM
Biphasic effect of extracts of *Lithospermum* **ruderale** on theuptake of 32P [phosphorus istope] by testes and thyroids ofcockerels. 024943

LITTERS
Facial eczema—the importance of *litter* and **control** [Dairy cattle]. 024506
An analysis of accumulation and decomposition of *litter* **fall** in hill evergreen forest Doi-Pui Chiengmai. 030327
Decomposition of *litter* on **forest** floor. III. Decomposition of woods in subalpine forest. 030249
The stages of fungal decomposition of **forest** *litter.* 030262
Biological cycle of chemical elements in Central Taiga fir forests **[Forest** *litter,* soil humus]. 030284
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the **fresh** *litter* in two soils of a beech forest (Retz forest). 030273
Comparative cellulolytic ability of some *litter-inhabiting* **fungi.** 030304
Coccidiosis in broilers: evaluation of infection by the examination of broiler **house** *litter* for oocysts. 024455
Sampling broiler **house** *litter* for coccidial oocysts. 024473
2,4,6-trichloroanisole in broiler **house** *litter:* a further cause of musty taint in chickens. 024975
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of *litter* **infected** with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut contents of broilers? 024736
Leaf *litter* fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
Studies in **leaf** *litter* breakdown. III. The influence of leaf age [Quercus robur, Fagus]. 030276
Dispersal of microorganism [fungi] on decaying **leaves** and *litter.* 025903
Preliminary studies on mycoflora of poultry feed and *litter* **[Mycotoxicosis].** 024964
Litter and **oil** on the shores of Utsira, Rogaland County, during autumn 1974 [Oil pollution]. 030889
Influence of soil type on the nitrogen and phosphorus content of [Pinus] radiata **pine** *litter.* 030264
Volatile phytotoxic substances formed by *litter* of **Pinus** radiata [inhibiting seedling growth of white clover and Lolium perenne]. 028397
The effects of **plant** *litter* on germination in teasel, Dipsacus sylvestris Huds. 026360
Identification and flagellation of coryneform bacteria from **poultry** *litter.* 024497
Effect of sow weight gain on *litter* **size** in swine. 024207
Increase in **swine** *litter* size as the result of steroid therapy. 024208
Studies on the rate of decay of **wood** *litter* on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429

LITTORAL
Effects of temperature and salinity variations on photosynthesis of some *littoral* **seaweeds** of the North Adriatic Sea [Algae]. 026425

LIVER
Intercellular adhesive selectivity. I. An improved assay for the measurement of embryonic chick intercellular **adhesion** *(liver* and other tissues). 023494
Effect of supplementation of some essential amino acids on free amino acids in blood and *liver* of **albino** rats fed different pulse proteins. 022108
Strobilocercus fasciolaris infection in the *liver* of **albino** mice (Swiss mice) used as experimental animal. 024599
Activation of [horse] *liver* **alcohol** dehydrogenases by imidoesters generated in solution. 023295
Decarboxylation of oxalacetate to pyruvate by purified **avian** *liver* phosphoenolpyruvate carboxykinase. 023479
Vitellogenin synthesis in the **avian** *liver:* vitellogenin in the precursor of the egg yolk phosphoproteins. 023491
Formation of transient complexes in the glutamate dehydrogenase catalyzed reaction **[Beef** *liver].* 023297
Dihydrofolate reductase from **bovine** *liver.* Enzymatic and structural properties. 023393
Uridine diphosphate glucose synthase from **calf** *liver:* determinants of enzyme activity in vitro. 023307
Intercellular adhesive selectivity. II. Properties of embryonic **chick** *liver* cell-cell adhesion. 023495
Synthesis and differentiation of plasma proteins in cultured embryonic **chicken** *liver* cells: a system for study of regulation of protein synthesis. 023624
Effect of small doses of insecticide on the *liver* of **chicks.** 025006
Inability of chronic alcoholics with *liver* **disease** to use food as a source of folates, thiamin and vitamin B6. 022003
Effects of isoprenaline and phenyleprine on plasma potassium: role of the *liver* **[Dogs].** 023260
Effects by heme, insulin, and serum albumin on heme and protein synthesis in chick **embryo** *liver* cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Metabolic studies on the development of ethanol-induced **fatty** *liver* in KK-Ay mice. 022139
Effect of energy level of the ration on **fatty** *liver* in cage layer hens. 023773
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the **fatty** *liver* and kidney syndrome in broilers [Chickens]. 024829
Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy [Cattle, *liver* **fluke,** transmission, snails]. 024653
Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, *liver* **function,** and hepatic metabolism in cats. 023183
Changes in plasma glucose and *liver* **glycogen** following the administration of gluconeogenic precursors to the starving fowl [Chickens]. 023376
Dynamics of *liver* **glycogen:** The topochemistry of glycogen synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. 023420
Hepatoma, **host** *liver,* and normal rat liver phospholipids as affected by diet. 022152
Oxygen supply and uptake in the *liver* and the **intestine** [Cats]. 023610
Aspects of ketogenesis: control and mechanism of ketone-body formation in **isolated** *rat-liver* mitochondria. 023589
On the control of arginine metabolism in chicken **kidney** and *liver.* 023394
The effects on *liver* **metabolism** of administering excesses of biotin to immature pullets and laying hens. 023341
Cholesterol esterification and lipids in plasma and *liver* from **newborn** and young guinea pigs raised on milk and non-milk diet. 022170
Change in permeability of erythrocyte membranes in rodents caused by *cod-liver* **oil,** vitamin E, and fatty acids [Gerbils, rats]. 022133
On the mechanism of ketogenesis and its control: purification, kinetic mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from **Ox** *liver.* 023395
The transfer of mannose to dolichol diphosphate oligosaccharides in **pig** *liver* endoplasmic reticulum. 023294
Evidence for 16alpha-hydroxylation of estrone 3-sulphate by guinea **pig** *liver* slices. 023355
Primary *liver* carcinogenesis in rats after feeding with the pesticide, 2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulphite (Aramite). 029090
Effects of low and high protein diets on the induction of microsomal drug-metabolizing enzymes in **rat** *liver.* 022136
Hepatoma, host liver, and normal **rat** *liver* phospholipids as affected by diet. 022152
Effect of dietary amino acid imbalance on **rat** *liver* protein and DNA. 022202
The effect of radiation on processing of nuclear RNA and chromatin ribonulcease activity in **rat** *liver* and thymus. 023450
The localization of retinol-binding protein in **rat** *liver* by immunofluorescence microscopy. 023503
An alkyl etherase in **rat** *liver.* 023544
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in protein and nucleic acids contents of the **rat** *liver.* 023558
The behaviour of deoxyribonucleases of **rat** *liver* in the course of diethylnitrosamine-induced carcinogenesis. 025007
Some effects of lindane on the microsomal enzymes of the **rat** *liver* [Pesticides, toxicity]. 029100
Enzymic hydrolysis of acetylcarnitine in *liver* from **rats,** sheep and cows. 023278
Comparative studies of cortisol complexes formed with cytosol proteins from embryonic chicken (Gallus domesticus) and adult rat (Rattus **rattus)** *liver.* 023447
Synthesis of cholesterol esters in the plasma and *liver* of **sheep.** 023585
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, *liver,* **small** intestine, bone) of cattle. 023251
Skeletal muscle, *liver* and **wool** protein synthesis by sheep infected by the nematode trichostrongylus colubriformis. 024429

LIVESTOCK
A spatial model for analysis of the **Canadian** *livestock-feedand* livestock product sectors [Policy changes]. 021700
Studies in tuberculin sensitivity in *livestock* in **Ceylon.** V. Patterns of sensitivity in pigs. 024500
Principles of operational planning of technical servicing and equipping of *livestock* **complexes.** 030651
Toxicity [to *livestock]* of some **composite** (Senecio) weeds. 028574
Livestock **costs** and returns from farm cost accounts. 37 farms, 1974. 021353
Hygienic aspects of liquid and solid manures *[Livestock* **disease** control]. 030808
The danger of leptospirosis **diseases** *[Livestock].* 024528
Emergency *livestock* "line of credit" guarantees [Farmers Home Administration, rural loans. 021421
Disinfection, an efficient solution to avoid disease and contaminations on *[livestock]* **farms.** 024699
On the use of enzyme preparations in *livestock* **feed** rations. 023796
Relationship between carbohydrate-, fat-and protein metabolism *[Livestock* **feeding].** 023797
The use of synthetic amino acids [in *livestock* **feeding].** 023854
Odor measurement for *livestock* **feeding** operations [Waste management, feedlots]. 030921
Some aspects of mycotoxicoses from **Fusarium** *[Livestock].* 024991
The early Middle Age domestic fauna in Schiers **(Graubunden)** [Includes *livestock].* 023671
Maintaining a **healthy** *livestock* industry on an international basis. 024344
Immunological signs in *[livestock]* **helminthiasis.** 2. Hypersensibility reactions, consequences and applications of immunological signs. 024704
Ethological and ecological system of *livestock* **husbandry** [Horses, cows, care]. 023098
Telling the story of animal science to the student *[Livestock* **husbandry].** 023126
Telling the story of animal science to the consumer *[Livestock* **husbandry].** 023127
Telling the story of animal science to the legislatures *[Livestock* **husbandry].** 023128
Fundamental problems of remote **hybridization** of *livestock.* 024246
Determining the efficiency of production in *livestock* **industry.** 021338
Dealing with anthrax *[Livestock,* **infectious** diseases]. 024667
The connective tissue skeleton in the mammalian kidney and its **innervation** [Includes *livestock].* 023174
A spatial model for analysis of the Canadian **livestock-feedand** *livestock* product sectors [Policy changes]. 021700
The role of intestines in the formation of normal antibodies at early stages of individual development of **mammals** [Includes *livestock].* 023680
Mycotoxicological approach to the detection of etiological agents implicating human and *livestock* **mycotoxicoses** in Japan. 024539
The fungus era [Poultry, *livestock,* **mycotoxicosis].** 024953
Production and physiological activity of tocopherols and their analogues *[Livestock* **nutrition].** 023946
Vitamin E in the **nutrition** of *livestock.* 023948
Survival of resistant external stages of *[livestock]* **parasites** during fermentation of liquid cattle manure at raised temperatures. 024808
A note on the biological aspects of Schistosoma incognitum Chandler, 1926 **[Parasitising** *livestock].* 024543
Changes in Canadian grain and *livestock* **policies:** implications for U.s. and Minnesota agriculture. 021771
A view on *livestock* **potential** [World food production]. 021786
Clinical aspects and problems of fusarioses in animals in *livestock* **production.** 024990
Pollution problems associated with feedlot **production** of *livestock.* 030950
Studies on organochlorine pesticide residues in *livestock* **products.** I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. 021963
A linear **programming** *livestock-feed* grains model. 023018
Characteristics of **prostaglandins** *[Livestock].* 023979
Soviets promote yeast for *livestock* **protein** [Feed supplements]. 023028
Fodder products for the protein **provision** of *livestock.* 023693
Fodder culture and protein **provision** of *livestock.* 027367
Sanitary-hygienic basis for distances between *livestock* **quarters** [Designs]. 024387
The Fort **Reno** *Livestock* Research Station. 023150
Questions about the extreme geochemical ecology of animals *[livestock,* **sheep]** in provinces with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. 023947
New Soviet plan stresses **slower** *livestock* gains [Production]. 021548
The place of *livestock* in **small** farm development; an Indianexample. 021345
Calcium, sodium, phosphate, a contribution to the correct performance mineral **supply** for *livestock.* 023049
Mechanically **ventilated** *livestock* buildings. 029866
Naturally **ventilated** *livestock* buildings. 029867
Control of *livestock* **waste** odors. 030913

A complete forage plan for **Wisconsin** *livestock* [Range management, beef cattle]. 027346

LIVEWEIGHTS

Liveweight **fertility** relationships in Merino and half-bred ewes in a high country environment [Sheep]. 024182

LIXOPHAGA

Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous **insect** *(Lixophaga* diatraeae (Towns) (Diptera, Tachinidae)). 029268

LIZARDS

Distasteful fireflies [Photinus umbratus] sometimes emetic, but not lethal [to **fence** *lizards* and skinks]. 029356

LLAMAS

Urea metabolism in the *llama* **[Feeding].** 023724
Water metabolism in the *llama* [and **goat].** 023380

LOAMS

Influence of lime and phosphorus buildup on moisture retention characteristics of Hebbal **Red** *loamy* soils. 030592
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and tomato production in a **sandy** *loam* greenhouse soil. 028345
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and **silt** *loam* soils by oximecarbamate and organophosphate nematicides. 028327
Influence of zinc on symbiotic nitrogen fixation by soybean (Glycine max Linn.) in **silt** *loam* soil. 030222
Effect of nitrogen fertilizers on yield of winter crops grown in **soddy-podzolic** *loamy* soils of the Belorussian Polesye. 030558
Unsaturated conductivity of a well **structured** *loam* soil. 030247

LOANS *see* **LENDING**

LOAVES

Chilled food systems; effects of chilled holding on quality of **beef** *loaves.* 022119
Chilled food systems [Quality-related propeties of cooked ground **beef** *loaves]* 022666
Microwave and conventional cooking in relation to quality and nutritive value of beef and **beef-soy** *loaves.* 022232

LOBES

Dense ergastoplasmic granules in the **glandular** *lobe* of the locust corpora cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
On the relationship between **sheath** *lobes* and stipules [Plant morphology]. 025958

LOBESIA

Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a sex pheromone of [the European grape vine moth] *Lobesia* **botrana.** 028894
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry **moth** *Lobesia* (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western part of Turkey. 028893

LOBLOLLY

Morphological variability among *loblolly* **[Pinus** taeda] and shortleaf [Pinus echinata] pines of east Texas with reference to natural hybridization. 025182

LOCUSTA

The imaginal diapause-break in females of Tetrix undulata (Sow.) by corpora allata of active **female** *Locusta* migratoria (Orthoptera, Tetrigidae). 029277
Morphological and chemical evolution of chromatin during spermiogenesis of the **locust** *Locusta* migratoria. 029434
Imaginal differentiation of the spermiduct in Acridids: effects of juvenile hormone *[Locusta* **migratoria,** Schistocerca gregaria]. 029197
The size and physiological activity of disconnected corpora allata in *Locusta* **migratoria** migratorioides (R. & F.). 029200
The influence of the air-current sense organs on the flight behaviour of *Locusta* **migratoria.** 029399
Some problems of homeostasis of haemolymph metabolites in the locust *[Locusta* **migratoria].** 029418
Dense ergastoplasmic granules in the glandular lobe of the locust corpora cardiaca *[Locusta* **migratoria** migratorioides, Schistocerca gregaria]. 029432

LOCUSTS

Research on glycerides from **black** *locust* [Robinia pseudacacia] seeds. 027339
Dense ergastoplasmic granules in the glandular lobe of the *locust* **corpora** cardiaca [Locusta migratoria migratorioides, Schistocerca gregaria]. 029432
Cytochemistry of the differentiating flight muscles of the **desert** *locust* Schistocerca gregaria. 029366
Some problems of homeostasis of haemolymph metabolites in the *locust* **[Locusta** migratoria]. 029418
Morphological and chemical evolution of chromatin during spermiogenesis of the *locust* **Locusta** migratoria. 029434
Effect of denervation and local damage on extrajunctional L-glutamate receptors in *locust* **muscle** [Schistocerca gregaria]. 029455
Autonomous pigment movement in the radial pupil of *locust* **ocelli** [Valanga nigricornis, Austracorus guttulosa]. 029453
Ultrastructure of Malameba locustae (K. & T.), a protozoan **parasite** of *locusts.* 029201
Aerial control of **red** *locusts* [Nomadacris septemfasciata]. 028680

LODGEPOLE

A timber-water simulation model for *lodgepole* **pine** [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071
[Fungal] pathogens observed on *lodgepole* **pine** [Pinus contorta latifolia] grown in Finland. 027955

LOESS

Element distributions in *loess* **columns** at Claremont, Table Flat, and Stewarts Claim, New Zealand. 030269

LOGGING

Establishing vegetative cover along *logging* **access** roads: techniques—costs—benefits. 025468
Effect of the characteristics of cycle duration [in *logging]* on **equipment** load. 025390
Experimental research on operations of specially-designed hydraulic tract or loader *[Logging* **equipment].** 025391
Statical solution on the cable crane *[logging* **equipment]** of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. 025421
Assembly of skyline cables with the aid of helicopters *[Logging* **equipment].** 025435
Improved armature for skidding chokers *[Logging* **equipment].** 025440
Movement of cranes on a rigging basis *[Logging* **equipment].** 025443
Stormflows and erosion after tree-length skidding on Coastal Plain soils *[Logging* **equipment].** 025527
Has your accounting system kept up with changing conditions in *logging?* **[Forest** industries]. 025139
Vincent W. Bousquet—he put forestry into *logging* **[Forest** Management, United States]. 025143
Problems of analysis of the system of mass servicing of **forest** *logging* with consideration of the reliability of mechanisms. 025408
Establishment of some mean conditions for *logging* at the **level** of the Forest Unity for Logging and Transport. 025479
What's new in *logging* **machinery.** 025458
A profile of *logging* in the **Northeast.** I. Crew size and equipment investment. 025467
Mechanization of *logging* **operations** in the taiga zone. 025433
Optimizing transport and trans-shipping **operations** *[Logging].* 025450
Official proceedings, 65th sessions, **Pacific** *Logging* Congress, Reno, Nevada, November 11, 12, 13, 1974. 025455
Improved utilization and disposal of *logging* **residues.** 025526
On the technical equipment of *logging* in **Romania.** 025481
Key problems of the winter **season** *[Logging].* 025135
Time study techniques for *logging* **systems** analysis. 025529
Study of vertical dynamics of the MAZ-509 plus **TMZ-803** *logging* truck-trailer trains. 025412
Operational control of *logging* **transport.** 025448
Establishing typological base of work means and modalities by skidding and transport of round timber, in the case of some coupes within Forest Enterprise for *Logging* and **Transport** Brasov. 025478
Establishment of some mean conditions for logging at the level of the Forest Unity for *Logging* and **Transport.** 025479

LOGS

Log **cabin** building, an Alaskan art. 025285
Experiences in using the circular saw attachment VTR for *log* **conversion.** 025373
Piece-by-piece **feeder** of *logs.* 025451
On the quality of **forming** *log* bundles. 025447
Harvesting and **hauling** *logs* by species. 025438
Error detections at tool prearation band sawing machines for *logs* **operated** in sawmill. 025288
Experimental study of non-uniform movement of water parachutes [Hydrodynamics, *log* **rafts].** 025392
New method of bark **removal** from *logs.* 025445
Comparative analysis of various systems of technological processes of **sawing** *logs.* 025389
Small-log **sawmill** systems in Western Canada: headrig downtime, rough, green lumber yield from sound, straight logs, log throughput, volume productivity analysis procedure. 025540
Log **scaling** in the Pacific Northwest. 025454
Optimizing the sorting of *logs* on **semi-automatic** lines. 025449
Automated line for **sorting** *logs* by diameter. 025436
Small-log sawmill systems in Western Canada: headrig downtime, rough, green lumber yield from sound, **straight** *logs,* log throughput, volume productivity analysis procedure. 025540
A method for describing the **taper** of saw *logs.* 025368
On the problem of **thawing** *log* ponds at sawmill installations. 025405
Small-log sawmill systems in Western Canada: headrig downtime, rough, green lumber yield from sound, straight logs, *log* **throughput,** volume productivity analysis procedure. 025540
Efficient utilization of *log* **transport** equipment. 025437

LOLIUM

Auxiliary methods for determining the time of the ripeness of grasses *[Lolium,* **harvesting].** 027533
Tolerance of *Lolium* **hybrids** to quantitative variation in nuclear DNA. 026228
Location and management of Italian ryegrass *[Lolium* **multiflorum]** meadow. 027452
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions *[Lolium* **multiflorum].** 027459
New varieties of Dactylis [glomerata], meadow fescue [Festuca pratensis], and Italian ryegrass *[Lolium* **multiflorum** westerwoldicum] recommended for forage production. 027500
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass *[Lolium* **multiflorum]** grown on magnesium deficient soil. 030484
Quantitative and qualitative studies of phylloplane bacteria from *Lolium* **perenne.** 026979
Spotted response of overseeded ryegrass *[Lolium* **perenne]** tosulfur-coated urea [Turfgrasses, fertilizers]. 027105
Green Isle—a promising new variety of perennial ryegrass *[Lolium* **perenne].** 027406
Kentucky bluegrass [Poa pratensis] and perennial ryegrass *[Lolium* **perenne]** cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. 028069
Liming effects on the toxicity to perennial ryegrass *[Lolium* **perenne]** of a sewage sludge contaminated with zinc, copperand chromium. 028360
Volatile phytotoxic substances formed by litter of Pinus radiata [inhibiting seedling growth of white clover and *Lolium* **perenne].** 028397
Wild oat control in Kentucky bluegrass [Poa pratensis] and perennial ryegrass *[Lolium* **perenne].** 028625
The effectiveness of insecticides seed dressings against soldier fly [Inopus rubriceps] larvae *[Lolium* **perenne].** 028785
Yield, chemical composition and dry matter intake of R.v.P ryegrass varieties *[Lolium,* **sheep].** 023071

LONGEVITY

Activity and *longevity* of **insect** growth regulators against mosquitoes. 029023
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on **parasite** *longevity* and host-parasite ratios. 028850
Effects of metepa on emergence, *longevity* and **reproduction** of Earias insulana [Okra, pests]. 028897

LONGITUDE

Development of *longitudinal* **retraction** of carotid arteries in neonatal dogs. 023407
Longitudinal **shrinkage** of compression wood [of Pinus silvestris] in dependence on water content and cell wall structure. 025934

LONGLEAF

Environmental factors affecting brown-spot [Scirrhia acicola] infection on *longleaf* **pine** [Pinus palustris]. 028053

LONICERA

Investigations on flavonoid glycosides in a variety of botanical groups: luteolin 7-glucoside and diosmin in *Lonicera* **(Caprifoliaceae).** 026437
Response of Japanese honeysuckle *[Lonicera* **japonica]** to fertilization. 030485
Contribution to the teratology of the honeysuckles and to the fusion problem. III. Association of the biflora cyme with ontogenetic gamophylly *[Lonicera* **nigra,** Lonicera orientalis, Lonicera nigra pyrenaica, Lonicera xylosteoides]. 026107

LOOPERS

Cuticular encystment: a unique and effective defense reaction by **cabbage** *looper* larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Variation in [cultivated varieties of] Brassica oleracea resistance to **cabbage** *looper* [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. 028874
Control of a *looper,* **Lambdina** atbasaria atbasaria, on hemlock [Tsuga canadensis] with three chemical insecticides [Carbaryl, trichlorphon, acephate]. 028944
Soybean *looper* [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL [black light] traps. 028753

LOPHODERMIUM

Control of needle cast *[Lophodermium* **pinastri]** of Scotch pine [Pinus sylvestris] in South Carolina [Leptostroma]. 028067

LOPHOZIA

Lophozia **incisa:** a curious reaction to desiccation [Hepaticae]. 026428

LORANTHACEAE
Cytological, cytochemical and histoautoradiographic study of viscum album L. *(Loranthaceae).* I. The **seed,** its germination and means of fixation on the host. 026066

LOTUS
Preliminary evaluation of pre- and post-emergence herbicides in **'Maku'** *Lotus* [pedunculatus]. 028564
Flavonoids fom the birdsfoot trefoil **seeds** *(Lotus* corniculatus L.). 026875

LOWBUSH
Augusta *lowbush* blueberry [cultivar]. 027722
A study of variation in fruit yield and related characters in two diallels of the *lowbush* **blueberry,** Vaccinium angustifolium Ait. 026115
Effect of temperature on the development of Godronia cassandrae f. vaccinii cankers on *lowbush* **blueberry.** 027929

LOWLANDS
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on alluvial soils of the **Colchis** *lowland.* 026837
Material for agrochemical characteristics of alluvial soils of the **Colchis** *lowland.* 030374
A key and annotated synopsis of the mosses [Musci] of the **northern** *lowlands* of Devon Island, Northwest Territories, Canada. 025655
A key and annotated synopsis of the mosses of the **northern** *lowlands* of Devon Island, North West Territories, Canada. 025656
Effect of potassium fertilizers on the intensity of microbiological processes and fertility of *lowland-type* **peat-bog** soils. 030626
Meat efficiency of the F11 generation crossbred of the Slovak Spotted cattle with the Black **Pied** *Lowland* cattle. 022713
Salt status of some soils of the Slave **River** *Lowlands* in Canada's Northwest Territories. 030197
Nitrogen responsiveness of **two** *lowland* rice varieties under five management practices. 030498
Treefalls and patterns of understory species in a **wet** *lowland* tropical forest. 025896

LOXOSTEGE
Variations in numbers of the beet webworm *[Loxostege* **sticticalis,** control]. 028917

LUBRICATION
Lubrication of **soil-metal** interfaces [Equipment]. 029980

LUCERNES
Influence of **autumn-winter** *lucerne* management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions [Lolium multiflorum]. 027459
Resistance of *lucerne* to **black** beetle [Heteronychus arator]. 028783
Some aspects of the *lucerne* **breeding** work in the GDR [German Democratic Republic] against Verticillium albo-atrum. 026176
Irrigation of *lucerne* in its **establishment** season. 030693
The indole-3-acetic acid content in *lucerne* and its **genetic** control. 026179
A comparison of some chemical and physical properties of alkali lignins from grass and *lucerne* **hays** before and after digestion by sheep. 023776
Some problems of male sterility transmission and combining ability in *lucerne* **hybrids** made with a gytoplasmic male sterility system. 026177
Protein degradation studies in *lucerne* **juice** [stored at different temperatures]. 022109
General and specific combining ability in *lucerne* at different **levels** of inbreeding and performance of second-generation synthetics measured in competitive conditions. 026172
The selective control of grasses in red clover (Trifolium pratense) and *lucerne* **(Medicago** sativa) crops by carbetamide and propyzamide. 028606
Control of white-fringed weevil [Graphognathus leucoloma] adults with insecticides [pests of **pastures** and *lucerne].* 028776
Inhibitors of viral infection in sap from pea, broadbean and *lucerne* **plants.** 028223
Seasonal distribution of pasture production in New Zealand. VI. Wairakei, pasture and *lucerne* **production.** 026992
Control of *lucerne* **stem** nematode [Ditylenchus dipsaci] withCGA 12223 [Systemic organophosphorus insecticides]. 028423

LUCIFERASES
Studies on *luciferin-luciferase* **ATP** [adenosine triphosphate] assay in plants (etiolated wheat germs, and bean leaves). 026878

LUCIFERIN
Studies on *luciferin-luciferase* **ATP** [adenosine triphosphate] assay in plants (etiolated wheat germs, and bean leaves). 026878

LUMBER
Small-log sawmill systems in Western Canada: headrig downtime, rough, **green** *lumber* yield from sound, straight logs, log throughput, volume productivity analysis procedure. 025540
Methods of establishing optimum dimensions of production in the utilization of **low-grade** *lumber* and wood waste. 025396

LUMINESCENCE
Study of the infection process by wheat rust using *luminescent* **microscopy.** 028024
Photosensitization and *luminescence* of **picloram.** 028520
Luminescence **studies** of saccharide binding to wheat germ agglutinin (lectin). 026955

LUNCH
Problems in the management of the National **School** *Lunch* Program in Washington school districts. 022062
Bagels for the bicentennial **[School** *lunch* menus]. 022091
School *lunch* fights back. 022352
How **two** *lunch* programs save money [in Oklahoma and New Jersey]. 021719

LUNGS
Local control of pulmonary resistance and lung compliance in the **canine** *lung.* 023464
Effect of continuous positive-pressure ventilation (CPPV) on edema formation in **dog** *lung.* 023462
Anthelmintic efficiency of Mebendazole premix on gastrointestinal and *lung* **helminthiases** of sheep. 024759
Pathomorphogical changes in *lungs,* **intra-pulmonary** lymphoid tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773
Simultaneous counting of 85Kr [kypton isotope] in *lung* and **myocardium** during measurement of coronary blood flow [Dogs]. 023472
Properties of *lung* **parenchyma** in distortion [Dogs]. 023468
Metabolism of environmental pollutants by the isolated **perfused** *lung* [Rabbits]. 030890
Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] sucrose, and 36Cl [chlorine isotope] in **sheep** *lung.* 023460

LUNGWORMS
Pathogenicity for cattle of Dictyocaulus filaria, the pathogen of *lungworm* **infestation** in sheep. 024772

LUPINE
Studies on *lupin* **alkaloids.** VI. Isolation and structure of (+)-isomatrine [Sophora flavescens]. 026516
Role of membrane systems in the absorption of calcium by the roots of Vicia faba [broadbeans] (calcicolous) and Lupinus luteus *[lupine]* **(calcufugous).** 026704
Chemical weed **control** in *lupins.* 028548
Studies with **detached** *lupin* root nodules in culture. I. Maintenance and induction of acetylene reduction activity [Rizobium]. 027031
The experience of organizing seed production [of cereals, *lupine,* **fiber** flax and potatoes]. 027515
In vitro synthesis of cytokinins in isolated roots of *lupine* **(Lupinus** albus L.) treated with leaf extracts. 026918
Trifluralin and atrazine for weed control in *lupin* **seed** crops. 028575
Asparagine metabolism—key to the nitrogen nutrition of developing legume seeds **[White** *lupins].* 027016
The effect of herbicides on **white** *lupins* for seed production. 028572
Morphological and cytological differences within the species Lupinus luteus L. **[Yellow** *lupine].* 025577
Epiphytotic character of Ceratohorum [setosum] disease of the **yellow** *lupine* in the Udmurt ASSR. 028010

LUPINUS
A screening technique for evaluation of brushweed [Ulex europaeus, Cytisus scoparius, *Lupinus* **arboreus**] herbicides. 028545
In vitro synthesis of cytokinins in isolated roots of **lupine** *(Lupinus* albus L.) treated with leaf extracts. 026918
Role of membrane systems in the absorption of calcium by the roots of Vicia faba [broadbeans] (calcicolous) and *Lupinus* **luteus** [lupine] (calcufugous). 026704
Morphological and cytological differences within the **species** *Lupinus* luteus L. [Yellow lupine]. 025577

LUTEINIZATION
How is *luteinizing* **hormone** released in response to electrochemical stimulation of the hypothalamus? [Rats]. 023517
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH *[luteinizing* **hormone]** release and evidence for neural regulation of spontaneous LH rhythms. 023599
Interactions between ovarian steroids or progestagens and LH *[luteinizing* **hormone]** release [Domestic animals]. 023988
Relationship between the binding constants of specific testosterone binding plasma proteins and peripheral plasma concentrations of testosterone and LH *[luteinizing* **hormone].** 024052
Luteinizing **hormone,** progesterone and the morphological development of normal and superovulated corpora lutea in sheep. 024056
Serum LH *[luteinizing* **hormone]** concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle stimulating hormone-releasing hormone]. 024095
Testis growth and plasma LH *[luteinizing* **hormone]** concentration following hemicastration and its relation with female prolificacy in sheep. 024128
Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH *[luteinizing* **hormone]** or prostaglandin E2 [Rats]. 024135
Effect of energy on LH *[luteinizing* **hormone]** response to consecutive Gn-RH [gonadotrophin releasing hormone] injections [cattle]. 024194
Ovulation and endocrine response after LH-RH *[luteinizing* **hormone-releasing** hormone] in domestic animals [Cattle]. 023993
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH *[luteinizing* **hormone-releasing** hormone/ follicle stimulating hormone-releasing hormone]. 024095
A comparison of variations in **plasma** *luteinizing* hormone concentrations in male and female domestic chickens (Gallus domesticus) from hatch to sexual maturity. 023512

LUTEOLIN
Investigations on flavonoid glycosides in a variety of botanical groups: *luteolin* **7-glucoside** and diosmin in Lonicera (Caprifoliaceae). 026437

LUXATIONS
Surgical treatment of **posterior** *luxation* and radius deformation in a wolf dog. 024970

LUZULA
Electron microscopic study of bacteria in the intercellular spaces of the root cap of *Luzula* **purpurea** Link [Symbiotic associations]. 026034

LYASES
Effect of [herbicide] molecules with hormonal properties on phenylalanine **ammonia** *lyase* activity [in tobacco and wheat]. 028537
Behaviour of **phenylalanine** *ammonia-lyase* in carrot cells in suspension cultures. 027238

LYCAENIDAE
A new subspecies of Glaucopsyche (Phaedrotes) piasus [nevada] from Nevada **(Lepidoptera:** *Lycaenidae).* 029652

LYCOPERDON
Mutinus caninus and *Lycoperdon* **echinatum** found at Kapellskar, Uppland [Fungi]. 025825

LYCOPERSICON
Pigment evolution in *Lycopersicon* **esculentum** [tomato] fruits during growth and ripening. 027248
Possible involvement of growth substances in the response of tomato **plants** *(Lycopersicon* esculentum Mill.) to different soil temperatures. 027201
Multiple molecular forms of catalase, peroxidase and acid phosphatase in *Lycopersicum* **sp.** with genetical and induced resistance against tobacco mosaic virus (TMV). 028276
Linkage and allelic relationships among genes for resistance in **tomato** *(Lycopersicon* esculentum) against Meloidogyne incognita [nematode]. 028343

LYCOPODIUM
The occurrence and structure of centrosomes in *Lycopodium* **complanatum** [Pteridophyta]. 026064
[New] locality of *Lycopodium* **complantaum** [Pteridophyta] by the shores of the river Pilica. 025682

LYCOSA
Sound production by nearctic wolf spiders *[Lycosa* and **Schizocosa]:** a substratum-coupled stridulatory mechanism. 029490

LYCOSIDAE
Burrow-blocking behaviour in Geolycosa wrightii **(Araneae:** *Lycosidae).* 029208
The influence of burrowing and thermoregulatory behaviour on the water relations of Geolycosa godeffroyi (Araneae: *Lycosidae),* an **Australian** wolf spider. 029463

LYE
Study of *lyes* of **bisulfite** boilings [of wood]. 025329

LYGAEIDAE
The life history of Craspeduchus pulchellus, a lygaeid new to the United States (Hemiptera: *Lygaeidae)* [found on **Corchorus** siliquosus]. 029359

LYMANTRIA
Control of forest pest insects by viruses [Dendrolimus spectabilis, Lymantria fumida, *Lymantria* **dispar,** Entomophthora]. 028942

LYMANTRIIDAE
Orientation and dispersal of late-stage larvae of Porthetria dispar **(Lepidoptera:** *Lymantriidae).* 029284

LYMPH
Experimental transmission of *lymphatic* **leucosis** of sheep. 024796
Application of the direct fluorescent antibody technique for the detection of Salmonella in the **mesenteric** *lymph* nodes of normal slaughter pigs. 024416
Intracytoplasmic filaments in **pulmonary** *lymphatic* endothelial cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360
Concentration and transport of different sugars in the *lymph* of the **thoracic** duct and in blood of the portal vein in dogs after enteral and parenteral administration. 023388

LYMPHOCYTES
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of **antigen-induced** *lymphocyte* proliferation by anti-receptor alloantisera. 024514
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM *[lymphocytic* **choriomeningitis]** virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM *[lymphocyte* **choriomeningitis]** virus. II. Experiments with inbred CBA/J mice. 024802
Studies on sperm antigenicity. IV. *Lymphocyte* **cytotoxicity** in cell-mediated response to homologous spermatozoa [Guinea pigs]. 024517
An in vitro study on *lymphocyte-mediated* **immunity** in mice experimentally infected with Toxoplasma gondii. 024625
Immunoglobulin-bearing *lymphocytes* of the chicken. I. Heavy chain immunoglobulin commitment and organ distribution. 024515
Role of *lymphocytes* in **mycotic** infections [of animals]. 024540
Reconstitution of **pig** *lymphocyte* plasma membranes from solubilized components, with particular reference to membrane-associated immunoglobulins. 023285
Chromosome aberrations induced in **rat** *lymphocytes* by N-nitroso compounds as a possible basis for carcinogen screening. 021955
Specific B *lymphocyte* **suppression** by infectious bursal agent (Gumboro disease virus) in chickens. 024516

LYMPHOCYTOSIS
Lymphocytosis in **normal** young pigs. 024830

LYMPHOID
Effect of anti-herpesvirus drugs on human and **bovine** *lymphoid* function in vitro. 024573
Histological development of the thymic and **intestinal** *lymphoid* tissue of the horse. 023563
Pathomorphogical changes in lungs, **intra-pulmonary** *lymphoid* tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773
Infectious bursal agent of chickens reduces the incidence of *lymphoid* **leukosis.** 024456
Immune plasma-dependent cytotoxicity of immune and non-immune **peripheral** *lymphoid* [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530

LYMPHOSARCOMA
Lymphosarcoma **(leukemia)** of cattle [Virus diseases]. 024468

LYONIA
Studies on the constituents of *Lyonia* **ovalifolia** Drude var. Eliptica Hand.-Mazz. XX. Structure of triterpenoid glucoside, lyofolic acid. 4. Correlation of protolyofoligenic. 026656

LYOPHILIZATION
Preservation of mixed species lactic starter concentrates by freezing and *lyophilization* **methods.** 022616

LYSERGIC
The effects of *lysergic* **acid** diethylamide on the response to field stimulaton of the rat vas deferens and the rat and cat anococcygeus muscles. 023333

LYSINE
Protein digestibility and *lysine* **availability** in alfalfa meal and alfalfa protein concentrate [Japanese quail, rats]. 023802
A comparison of two rapid screening methods for the selection of *high-lysine* **barleys.** 026203
Correlation between potassium and *lysine* **content** in the kernels of normal and opaque (O2) corn. 026138
Level of *lysine* in **corn-soybean** meal growing-finishing [swine] rations. 023894
L-lysine and **DL-methionine** supplements in barley-soy pig diets. 023864
Quantity of *lysine* in **dried** milk processed using different techniques. 022584
A comparison of vitreous and soft **endosperm** *high-lysine* and common maize in diets for growing rats and pigs. 023755
Identification of an **essential** *lysine* in porcine heart mitochondrial malate dehydrogenase. 023481
Study of Salmonella in frozen meat (estimation of the presumptive test on *lysine-iron-cystine-neutral* **red).** 021843
Bioavailability of *lysine* in **ring** process blood meal for swine. 023884
Effect of different combinations of *lysine* and **sulphur-containing** amino acids on egg production of laying hens. 023690

LYSIPHLEBUS
Preference of *Lysiphlebus* **testaceipes** [parasitoid] for greenbug [Schizaphis graminum] resistant and susceptible small grain species. 028737

LYSIS
Perforation and *lysis* of **fungal** spores in natural soils [Cochlioobolus sativus, cereals, root-rot]. 027976
Polybase **induced** *lysis* of yeast spheroplasts. A new gentle method for preparation of vacuoles [Candida utilis]. 026380
Lysozymelike *lytic* enzyme of Streptococcus faecalis and itsrole in the larval development of wax moth, Galleria mellonella. 029426
The distribution and the *lysis* **patterns** of the bacteriophages of Xanthomonas malvacearum, the incitant of bacterial blight of cotton. 028149
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell **wall** *lysis* and microfilament-associated mating structure activation in wild-type and mutant strains. 026200

LYSOMES
Effect of high temperature conditioning on subcellular distribution and levels of *lysosomal* **enzymes** [Meat tenderness]. 022677
Effects of lipids on the stability of *lysosomes* in **vitro.** I. Effects of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. 023403

LYSOZYMES
An enrichment technique for auxotrophs of Agrobacterium tumefaciens [Soil bacterium] using a combination of **carbenicillin** and *lysozyme.* 030230

LYTHRACEAE
Synthetic studies on *Lythraceae* **alkaloids.** IV. Total synthesis of (plus/minus) methyldecinine. 026521
Chiropterophily in Lafoensia pacari St. Hil., *(Lythraceae)* in the **Serra** do Cipo, Minas Gerais. 026525

MACACA *see* MONKEYS

MACADAMIA *see* PROTEACEAE

MACARONI
Prospects 1975-76 for flour and feed mills and *macaroni* **industry** [Consumption, outlook, statistics]. 021806

MACERATION
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the *macerating* **action** by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. 028132

MACHILUS
Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, Quercus, Lithocarpus, *Machilus,* **Cinnamomum,** Daphniphyllum]. 025904

MACHINERY
Some agro-economic results obtained, one part by the National Institute of Management and Rural Economy, with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of **Agricultural** *Machinery,* with its network of agricultur. 021166
Concerning the 46th International Show of **Agricultural** *Machinery,* Paris, March 2-9, 1975. 030090
Economic effectiveness of increasing the post-repair resources of **[agricultural]** *machinery.* 030158
Problems concerning production of **dairy** *machinery* for use within the country and their export. 021579
Activities of the **Farm** *Machinery* Research Institute in 1974 [Hungary]. 030091
A full load on the cotton **harvesting** *machinery.* 021285
What's new in **logging** *machinery.* 025458
The [economic] basis for an **optimum** *machinery* set up [on cotton growing farms]. 021405
Testing the **terracing** *machinery* with combination working parts. 030086

MACROCONIDIA
Fine structure of the *macroconidia* of **Fusarium** solani [Fungi]. 025979
Fine structure of the *macroconidia* of **Fusarium** solani [Fungi]. 025980

MACROGAMETES
Structure and mode of function of the organelles associated with nutrition of the *macrogametes* of **Eimeria** acervulina [Chickens]. 024791

MACROMOLECULES
Regulation of the biosynthesis of the *macromolecules* of the **intercellular** matrix of the cornea [Calves]. 023606
Differential effect of hormones on *macromolecular* **synthesis** and mitosis in chick embryo cells. 023493

MACROMYCETES
Macromycetes **[Fungi]** of bushy and ericaceous tundra in the valleys of Great and Small Vud"iavrs Lakes in the Khibiny Mountains. 025744

MACRONUTRIENTS
Relationship among *macronutrients,* **boron** and zinc contents of coffee leaves and yield. 026526
Macronutrient **variation** in small grain forage as related to specie and variety. 026943

MACROPHAGES
Comparative toxic effect of the surface lipid of Corynebacterium ovis [in sheep] on **peritoneal** *macrophages.* 024570

MACROPHOMINA
Interactions of Pythium myriothylum with several fungi in peanut pod rot [Fusarium solani, *Macrophomina* **phaseolina,** Rhizoctonia solani, Trichoderma viride]. 028055

MACROPIPER
The **genus** *Macropiper* (Piperaceae). 025613

MACROSCOPY
Investigations on improving the fertility of aged sows. I. *Macroscopic* **studies** of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025

MACROSIPHUM
Polymorphism and sensitivity to a juvenile hormone analogue in the potato aphid, *Macrosiphum* **euphorbiae** (Homoptera: Aphididae). 028838

MAGGOTS
The **root** *maggot* [Oryzophagus oryzae, rice]. 028768

MAGNESIUM
Field experiments with *magnesium* in **Alabama**—cotton, corn, soybeans, peanuts. 030431
Washing of pulps. 2. The sorption of Na, Mg and Ca [sodium, *magnesium,* **calcium**] on kraft pulp. 025497
Changes in concentrations and interrelationships of phytate, phosphorus, *magnesium,* **calcium,** and zinc in wheat during maturation. 026973
Calcium and *magnesium* **contents** of ectoplasm and endoplasm of Physarum polycephalum plasmodium [Fungi]. 026816
Effect of *magnesium* **deficiency** on responsiveness to 1-25 dihydroxycholecalciferol injection in vitamin D deficient rats. 022063
Changes in cellular composition during *magnesium* **deficiency** [Rats]. 024822
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on *magnesium* **deficient** soil. 030484
Magnesium **fertilizers.** 030412
Application of *magnesium* **fertilizers** [in sugarbeets]. 030546
A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg *[magnesium]*- **free** salt solution. 023383
Activity of aminotransferase in tomato seedlings depending on Ca: Mg [calcium: *magnesium]* **ion** ratio in the nutrient medium. 027092
Postnatal decline of (Ca2+ + Mg2+) calcium and *magnesium* **ions)-activated** membrane ATPase [adenosine triphosphatase] in cattle red cells. 023411
Serum calcium and *magnesium* **levels** during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
The calcium, *magnesium* and **micronutrient** contents of agricultural liming materials available to Georgia farmers. 030462
The use of *magnesium* **phosphide** tablets with hydrogen phosphide in gas treatment of wheat in silos. 023029
Replacement of Mg2+ *[magnesium]* by **polyamines** in the aminoacylation of tRNA from Phaseolus [Beans]. 027250
Calcium, *magnesium,* **potassium,** and sodium in honey and in nectar secretion. 022487
Removing *magnesium* from wet-process acid with fluosilicate [fertilizers]. 030507
Plant-available calcium, *magnesium* and **sulfur** levels in soils used for corn production in Michigan. 030332

MAGNETIC
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C **[carbon** *isotope]magnetic* resonance relaxation data [Calves]. 023301
Carbon-13 *nuclear-magnetic-resonance* spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
Action of *magnetic* and **electric** fields on the growth and mutation rate of various microorganisms [Escherichia coli, bacteria, Penicillium chrysogenum, fungi]. 026370

Nuclear *magnetic* resonance spectroscopic determination of alpha- and beta-acid homolog composition in hops. 022483
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. **[Nuclear** *magnetic* resonance] signals in Urs-12-enes. 026463
High resolution 31P [phosphorus isotope] **nuclear** *magnetic* resonance studies of intact yeast cells. 026811
Carbon-13 NMR **[nuclear** *magnetic* resonance] spectra of some polycyclic triterpenoids [Actea racemosa]. 026844
Carbon-13 NMR **[nuclear** *magnetic* resonance] spectra of some furanosesquiterpenes, major components of Lindera strychnifolia. 026845
Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. A study by **proton** *magnetic* resonance [Yeasts]. 026411
Ultraviolet-visible and **proton** *magnetic* resonance spectroscopy of flavonoids. 026584
Proton *magnetic* resonance studies of peroxidases from turnip and horseradish. 027139

MAGNETISM

E.P.R. **[Electron** *paramagnetic* resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
The *paramagnetic* **properties** of settled wood tar. 025349

MAGNOLIAS

Floral odors and quantitative taxonomy of *Magnolia* and **Liriodendron.** 025833

MAIZE

Effect of two soil types on insecticide activity against black beetle [Heteronychus arator] **adults** *[Maize].* 028779
The western bean cutworm [Loxagrotis albicosta] on beans **and[sweet]** *corn.* 028830
Characterization of the terminal stages of chlorophyll(ide) synthesis in etioplast membrane preparations [from *maize* and **barley].** 026904
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption *[Maize,* **barley].** 027061
Use of Mixi-Tok S [herbicide] in *maize* against **barnyard** grass. 028593
How to plan a shooting field in the Northeast and *Corn* **Belt** [Recreation]. 030593
Reduction of the number of *corn* **borers** [Pyrausta nubilalis, control, Chernovtsy Region]. 028804
Free yourself from pests by making **calculations** for *maize.* 028355
Sterol composition of plasma membrane enriched fractions from *maize* **coleoptiles.** 027035
Evaluation of **commercial** *corn* hybrids for tolerance to corn rotworm [Diabrotica]. 028729
A comparison of vitreous and soft endosperm high-lysine and **common** *maize* in diets for growing rats and pigs. 023755
The question of grain content and forage quality in *maize:* **comparisons** between isogenic fertile and sterile plants. 026191
A linear dichroism study using chloroplasts of various structure and pigment **composition** *[Maize].* 027001
Necessity of paying more attention to weed **control** of *maize.* 028631
N [nitrogen] behavior under no-till vs. **Conventional** *corn* culture. I. First-year results using unlabeled N fertilizer. 030414
Distribution of bound auxins in kernels of sweet **corn** *(Zea* mays L.). 027067
Economics of nitrogen fertilizer for *corn* **[Costs].** 030509
Plant, soil and shadow reflectance components of row crops *[Corn,* **cotton,** sorghum, remote sensing]. 027465
Energy determinism of brambling (Fringilla montifringilla) concentrations in relation to evolution of *maize* **cultivationin** France from 1955 to 1973. 025884
Maize **culture:** spaced sowing. 027503
Agricultural investigation and its influence on Chilean agriculture: wheat and *maize* **[Culture,** yields]. 027524
Influence of soil moisture on tolerance of *corn* to **cyanazine** [Herbicides]. 028619
High moisture, acid-treated opaque-2, waxy and **dent** *corn* rations for growing-finishing pigs. 023893
Thermodynamic properties of *maize* **dextrin.** 022826
Inheritance of quantitative traits in *maize* according to **diallelic** crosses. 026168
Influence of cooking upon the nutritive value of potato and *maize* in **diets** for growing pigs. 023777
Spatial price **differentials** for *corn.* 021638
Aphid transmission and epidemiology of barley yellow dwarf and *maize* **dwarf** mosaic in southern France. 028696
Corn **ear** worm [Helicoverpa armigera conferta] control with phenthoate. 028777
Response of an **early-maturing** *corn* hybrid to planting date and population in the northern [Great] Plains [North Dakota]. 027358
Weed-crop behaviour in pure and mixed stands of *maize* and **Echinochloa** colona Link. 028542
RNA polymerase from opaque-2 and normal Zea mays *[maize]* **endosperm.** 027010
Seasonal vertical movement of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus **Escholtz** *[Maize].* 028711
Insect sex pheromones: intraspecific pheromonal variability of Ostrinia nubilalis in North America and **Europe** *[Maize].* 028734
Romanian references on the **European** *corn* borer Ostrinia (pyrausta) nubilalis (Hubner) [Bibliographies]. 028716
European *corn* borer [Ostrinia nubilalis] and redbanded leafroller [Argyrotaenia velutinana]: disruption of reproduction behavior [Cornfields, oatfield]. 028728
Leaf-feeding resistance to the **European** *corn* borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
The **European** *corn* borer [Ostrinia nubilalis, control]. 028792
Nitrate uptake and induction of nitrate reductase in **excised** *corn* roots. 027025
Feeding *corn* silage plus manure from caged layers or dairy cows as total mixed rations for dairy heifers. 023819
Effects of nitrogen **fertilizer** on *corn.* 030510
Soils affect efficiency of nitrogen **fertilizers** *[Maize].* 030522
Zinc dificiency in Utah **field** *corn*—its diagnosis and treatment. 028454
Florida *corn* production: Are better yields coming? [Fertilizers]. 030541
Transposition of a member of a duplicated region in *maize* **[Genetics].** 026165
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on *corn* in **Georgia** [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Development of mitochondrial enzyme activities in **germinating** *maize* scutellum. 027033
Discrimination of homologous chromosomes of *maize* with **Giemsa** staining. 026158
Drying and quality of **grain** *maize.* 023026
Digestible, metabolizable and net energy values of *corn* **grain** and dehydrated alfalfa in sheep. 023759
Yield and quality of *corn* and **grain** sorghum grain and residues as influenced by N [nitrogen] fertilization. 027360
The influence of distance between rows and crop density on grain yield and dry matter content in **grain** *maize.* 027568
The estimation of interactions in NPK [nitrogen, phosphorus, potassium] manuring experiments with **grain** *maize* carried out over a number of years. 030569
Succinyl-CoA synthestase in **greening** *maize* leaves. 027011
The biosynthesis of delta-aminolevulinic acid in **greening** *maize* leaves. 027013
Maize **harvest:** direct mowing on the field is accomplished [Equipment]. 030089
Investigation of the process of *corn* **harvesting** with crushing and its preserving. 030099
No associative effects between *corn* and **haycrop** silages fed to lactating dairy cows. 023770
Alternate sources of protein for **Heliothis** *zea* wheat germ diet. 028706
Small plot tests of insecticidal sprays for bollworm-budworm **[Heliothis** *zea-Heliothis* virescens] control on cotton. 028713
Overwinter survival and spring emergence of the bollworm **[Heliothis** *zea]* in Arkansas [Cotton]. 028735
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia **[Heliothis** *zea,* Spodoptera frugiperda, Astrinia nubilalis, fungus disease vectors]. 028746
Suppression of Heliothis spp. With cottons containing combinations of resistant characters **[Heliothis** *zea,* Heliothis virescens]. 028754
Simulation of temperature-dependent development in population dynamics models [Anthonomus grandis, Trichoplusia ni, **Heliothis** *zea].* 029288
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of *maize,* **Helminthosporium** maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred **(high-DIMBOA)** *maize.* 028751
Factors influencing the growth of fungi in **high-moisture** *corn* treated with propionic acid. 027987
Drying rates of **humid** *maize* increased by ten percent. 022811
Feeding value of silage from a tillering and a nontillering **hybrid** *corn* [Sheep, steers]. 023721
The correlation between mitochondrial complementation and heterosis in **hybrid** *corn.* 026127
$28 million added cash from state **hybrid** *corn* during last 14 years [Yields]. 027505
Investigations on the susceptibility of *maize* **hybrids** against root rot [Fusarium, Aureobasidium bolleyi]. 028103
How does the **ideal** *maize* seeding machine look? 030027
Genetic analysis and combining ability of grain yield components of *maize* **inbred** lines. 026151
Metabolism of the amino group of glutamate in *maize* **inbred** lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
Leaf freckles and wilt of *corn* **incited** by Corynebacterium nebraskense Schuster, Hoff, Mandel, Lazar, 1972. 028150
The 1975 **Iowa** *Corn* Yield Test report. District 6 [Varieties]. 027466
The 1975 **Iowa** *Corn* Yield Test report. District 4 Bottomland [Varieties]. 027467
The 1975 **Iowa** *Corn* Yield Test report. District 3 [Varieties]. 027468
The 1975 **Iowa** *Corn* Yield Test report. District 1 [Varieties]. 027469
The 1975 **Iowa** *Corn* Yield Test report. District 2 [Varieties]. 027470
The 1975 **Iowa** *Corn* Yield Test report. District 5 [Varieties]. 027471
The 1975 **Iowa** *Corn* Yield Test report. District 4 Upland [Varieties]. 027472
Photochemical activity of **isolated** *corn* chloroplasts in relation to heterosis. 026219
Gibberellin-affected methylation and synthesis of ribosomal RNA in **isolated** *maize* seed scutellum. 027034
The Monosem-Pneumatic single grain seeding **machine** for *maize.* 030048
Weed control suggestions for *corn* in 1976. 028540
Red light effect on asp-U-14C [carbon isotope] incorporation in the soluble fraction of *Zea* **mays** L. 027065
Baker's yeast as a protein supplement in *corn* **meal** muffins. 022343
Level of lysine in *corn-soybean* **meal** growing-finishing [swine] rations. 023894
Mercury analyses of **Michigan** *corn* [Swine feed ingredient]. 023069
Test levels in soil profiles of **Michigan** *corn* fields. 030518
Preservation of stored **moist** *maize-grain* in a plastic enclosure, while waiting for drying. 023017
Etioplast and chromoplast development in the lycopenic **mutant** of *maize.* 026035
A new race of Drechslera turcica on *maize* in **New** South Wales. 027866
RNA polymerase from opaque-2 and **normal** *Zea* mays [maize] endosperm. 027010
Effect of plant residue on herbicide performance in **no-tillage** *corn.* 028616
European corn borer [Ostrinia nubilalis] and redbanded leafroller [Argyrotaenia velutinana]: disruption of reproduction behavior *[Cornfields,* **oatfield].** 028728
Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. *Corn,* **oats,** and soybean yields (1962-72). 030717
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, *sugar-maize* and **onions.** 023003
Protein and amino acid evaluation of commercially grown **opaque-2** *corn* [Swine feeding]. 023765
Correlation between potassium and lysine content in the kernels of normal and **opaque** (O2) *corn.* 026138
Germinating capacity of some *maize* **open** pollinated varieties, inbreds, hybrids, synthetics and composites in saline substrate. 026965
Insecticide screening trials against black beetle [Heteronychus arator, **pastures,** *maize].* 028781
Presence of displacement loops in the covalently closed circular chloroplast deoxyribonucleic acid from higher plants **[Peas,** *maize].* 026629
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves *[Corn,* **peas,** spinach]. 026905
Corn **performance** tests in Texas, 1974 [Yield, varieties]. 027457
Maize **production** [Productive capacity, Colombia]. 021796
An inventory of extractable boron in the profiles of soils used for *corn* **production** in Michigan. 030331
Plant-available calcium, magnesium and sulfur levels in soils used for *corn* **production** in Michigan. 030332
Fertilization of double cropping and no-till systems: a review and a **projection** *[Maize].* 030461
Dousing weeds [of *maize* with **propane** for burning]. 028510
Nitrogen fertilization of *maize* in **relation** to spacing of raws. 030436
Maize **research** in Yugoslavia. 027544
Quality improvement [of *maize* **resistance** to downy mildew]. 026239
Studies on the secretion of *maize* **root-cap** slime. III. Histochemical and autoradiographic localization of incroporated fucose. 027037
A possible role for intercisternal elements in the formation of secretory vesicles in plant golgi apparatus *[Maize* **roots].** 026023
The role of epicotyl **roots** of *maize.* 027045
Studies with Fusarium **[roseum]-infected** *corn* [Swine, feed toxicity]. 023070
Evaluation of commercial corn hybrids for tolerance to *corn* **rotworm** [Diabrotica]. 028729
Comparative observations on *maize* **rough** dwarf virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. 028158
The *maize* **rough** dwarf virion. I. Protein composition and distribution of RNA in different viral fractions. 028284
The *maize* **rough** dwarf virion. II. Seroligical analysis. 028285
The use of phorate, AC 92/100 and chlormephos for the control of larval soldier fly [Inopus **rubriceps]** in *maize.* 028786
Zinc accumulation and growth of *corn* **seedlings** as affected by endosperm removal. 026896
Photocontrol of phytochrome destruction in grass [oats, *maize]* **seedlings.** The influence of wavelength and irradiance. 027002
Angoumois grain moth [Sitotroga cerealella]: chemical control of infestation in **shelled** *corn.* 028979
Distribution of starch in the vegetative apex of the *maize* **shoot.** 026948
Beef production, fattening young cattle. Energy supplementation of diets with a *maize* **silage** base. 023911
New cultivar of **silage** *corn,* "Hokuyu" [Varieties]. 027493
Some principles of agrotechnics in the irrigation of **silage** *maize.* 030742

The quality of **silo** *maize* is considered in bull fattening. 023025
Agrotechniques in controlling loose smut of *maize* **[Sorosporium** reilianum]. 028102
Light-stimulated toxin production in Helminthosporium maydis, race T, cultures **[Southern** *corn* leaf blight]. 027919
Southern *corn* rootworm [Diabrotica undecimpunctata howardi]eggs in soybean fields. 028741
Field experiments with magnesium in Alabama—cotton, *corn,* **soybeans,** peanuts. 030431
Chemical composition, protein quality and protein value of Opaque-2 and other varieties of *maize* at different **stages** of ripening. 022077
Studies on structure and physico-chemical properties of starch. 2. Reaction of epichlorohydrin with *corn* **starch.** 022747
The role of supplementary genes in the control of Texas type cytoplasmic male **sterility** in *corn.* 026289
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of *maize]* **strains** that are distinct in nuclear ploidy and pathogenicity. 028025
Pathogenicity of the *corn* **stunt** agent to an insect vector, Dalbulus elimatus. 028758
Distribution of bound auxins in kernels of **sweet** *corn* (Zea mays L.). 027067
Emergence, seedling growth and yield of **sweet** *corn* after pregermination at high temperature. 027725
Sweet *corn* [Weeds]. 028513
Fertilizer application and **sweet** *corn* yield. 030487
Herbicide evaluation studies with **sweetcorn** *(Zea* mays L.) in Hawaii. 028583
Isoenzyme polymorphism in flowering plants. V. The isoesterases of *maize:* **tissue** and substrate specificities, and responses to chemical inhibitors. 027053
A rapid technique for the estimation of polynucleotide adenylyltransferase and ribonucleic acid polymerase in plant **tissues** *[Maize].* 027015
Drying of various *maize* **varieties** and hybrids. 022800
Results of the 1974 main research with summer cereal and *maize* **varieties.** 027454
As is the *maize* **variety,** so is the yield. 027401
Spreading of the mosaic virus on *corn* during **vegetation.** 028164
Weeds in *maize?* 028511
Steady state resistance to water flow in *corn* under **well** watered conditions. 030643
Rapid determination of tryptophan in beans (Phaseolus vulgaris) *[maize* and **wheat]** by the acid ninhydrin method. 022920
Crop equivalent rating guide for soils of Minnesota [Yields, *maize,* **wheat,** alfalfa, Poa]. 027450
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of *corn,* **wheat,** rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Winter *corn* can butter up menu profits. 022316
Genetical analysis of organogenetical development processes in *maize* with the **X-ray** method. 026092
Corn **yield** and nutrient uptake as affected by water-table depth and soil submergence. 026889
Effect of partial defoliation during the vegetative phase on subsequent growth and grain **yield** of *maize.* 027366
Use of liquid manures for *maize* **[Yields].** 030426

MALACOSOMA

Histological studies on the development of the microsporidian Thelohania pristiphorae in larvae of Malacosoma disstria and *Malacosoma* **americanum.** 028947
Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, *Malacosoma* **californicum** pluviale (Lepidoptera: Lasiocampidae). 028924
Histological studies on the development of the microsporidian Thelohania pristiphorae in larvae of *Malacosoma* **disstria** and Malacosoma americanum. 028947
Comparison between the zymograms of two insect cell lines: Antheraea eucalypti and *Malacosoma* **disstria** (Lepidoptera). 029261

MALATE

Stoichiometric correlation of *malate* **accumulation** with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in Avena [oats] coleoptile segments. 027030
Inhibition of phosphoenolpyruvate carboxylase from C4 [carbon] plants by *malate* and **aspartate** [Digitaria sanguinalis]. 026447
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and *malate* **dehydrogenase** during ageing of wheat leaves. 027003
Hybrid forms of *malate* **dehydrogenase** of Fusarium oxysporum f. sp. vasinfectum and the cotton plant. 027950
Identification of an essential lysine in porcine heart **mitochondrial** *malate* dehydrogenase. 023481
Cytochemical demonstration of *malate* **synthase** and Glycolate oxidase in microbodies of cucumber cotyledons. 027265

MALATHION

Synthesis and carbon-13 studies of *malathion* **acid** derivatives. 029112
Influence of individual body weight on the susceptibility of adult Musca domestica to **DDT** and *malathion.* 029007
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and *malathion,* and with **LV** [low-volume] methyl parathion [on cotton]. 028755
Genetic linkage of *malathion* **resistance** in the German cockroach [Blattella germanica]. 028972

MALE

Choice of mating partners by *male* **animals.** 024227
Oriental fruit fly [Dacus dorsalis]: thickened formulationsof methyl eugenol in spot applications for *male* **annihilation.** 028869
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in *male* **annihilation** of melon fly [Tested in a macadamia orchard]. 028873
Recapture of virgin female Caribbean fruit flies [Anastrepha suspensa] from traps **baited** with *males.* 028859
Development of complete and **bisected** *male* genital disks after transplantation, and duration of host development in Ephestia kuehniella Z. 029505
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and fattening of **castrated** *male* pigs. 023872
Courtship behavior and use of chemical communication by *males* of **certain** species of ithomiine butterflies (Nymphalidae: Lepidoptera) [Danainae]. 029215
The role of supplementary genes in the control of Texas type **cytoplasmic** *male* sterility in corn. 026289
An outbreak of Salmonella typhimurium infection in a farm of **dairy-breed** *male* calves. 024483
Effects of testosterone propionate on the social behaviour of groups of *male* **domestic** ducklings Anas platyrhynchos L. 023235
Chromosomal basis of dosage compensation in Drosophila. VIII. Faster replication and hyperactivity of both arms of the X-chromosome in *males* of **Drosophila** pseudoobscura and their possible significance. 029297
The performance of *male* **ducklings** given starter diets with different concentrations of energy and protein. 023714
The effect of castration on weight gain and carcass quality in *male* **fat-tail** sheep. 024290
A comparison of variations in plasma luteinizing hormone concentrations in *male* and **female** domestic chickens (Gallus domesticus) from hatch to sexual maturity. 023512
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in *male* and **female** mice. 024156
Uptake of the sex pheromone 3H [hydrogen isotope] bombykol and related compounds by *male* and **female** Bombyx [mori] antennae. 029840
Cytology of exceptional development of the *male* **gametophyte** in Ophiorrhiza mungos. 025977
Abnormalities in the development of *male* **gametophyte** in Morus laevigata. 025998
Comparative morphology of the *male* **genitalia** in the subfamily Hydrophilinae (Coleoptera, Hydrophilidae). I. Tribe Hydrophilini. 029228
Studies on the determination of the gene est-6 expression in *male* **genitalia** of Drosophila melanogaster. 029465
Gynaecomastia in a *male* **goat.** I. Sexual activity and sperm and milk quality. 024273
Some problems of male sterility transmission and combining ability in lucerne hybrids made with a **gytoplasmic** *male* sterility system. 026177
Effects of administration with testosterone compound (Durateston) on the genital organs in **hypophysectomized** *male* adultrats. 024137
Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, cheyletid mite with descriptions of *males* and **immature** stages (Acarina: Cheyletidae). 029659
Restoring of pollen fertility in *male-sterile* **lines** of wheat (timopheevi) Triticum aestivum L. 026169
Comparisons between the dual-purpose Norman breed, the specialized Canadian Holstein and Charolais breeds and their crossings. II. Fattening and carcass **performances** in *males.* 024013
Territorial behaviour by *males* of **Philanthus** multimaculatus(Hymenoptera: Sphecidae) with a review of territoriality in male sphecids. 029211
Dispersal and mating in the field by *male* **pink** bollworm, Pectinophora gossypiella, labeled with 32P [phosphorus isotope]. 026952
Presence of sex pheromone in preputial glands of *male* **rats.** 024109
Morphology of the *male* **sex** organs, spermatophore formation and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). 029198
The *male* of the **South** American katydid genus Phlugiola [redtenbacheri], and a new related genus [Lucienola] from the Solomon Islands (Orthoptera: Tettigoniidae, Meconematinae). 029661
Territorial behaviour by males of Philanthus multimaculatus(Hymenoptera: Sphecidae) with a review of territoriality in *male* **sphecids.** 029211
Fine structure of the clypeal gland of *male* **spiders** belonging to the genus Argyrodes [gibbosus] (Theridiidae). 029266
Potential for control of Cadra cautella (Walker) by release of fully or partially **sterile** *males* [Stored products, pests]. 028978
Hypotheses on determinism of *male* **sterility** [Forage plants]. 026173
Some problems of *male* **sterility** transmission and combining ability in lucerne hybrids made with a gytoplasmic male sterility system. 026177
Some problems of *male* **sterility** and the effects of heterosis in alfalfa. 026178
Sex hormones in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to *"male* **sterility"** of the A mating type). 026314
Males of **three** species of Cheyletus (Acarina: Cheyletidae). 029655
Economics of production of hybrid cotton seeds **utilising** *male-sterile* line. 021377
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the *male* **weanling** rabbit. 022201
Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the *male* **weanling** rat. 023643

MALEIC

Collaborative study of a spectrophotometric method for **determining** *maleic* hydrazide residues in tobacco and vegetables. 029118
Mutagenic activity of hydrazine and its combinations with *maleic* **hydrazide** and X-rays in barley. 026135

MALLOPHAGA

On the fauna of bird **lice** *(Mallophaga)* of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [New taxa]. 029602

MALNUTRITION

Evaluation of a low-lactose nutritional supplement in *malnourished* **children.** 022122
Levels of histidine derivatives in breast muscle of proteindepleted and repleted adult **cockerels** [During *malnutrition].* 023602
Problems in sibling matching designs: a case report **[Effects** of *malnutrition].* 022080
The use of habituation in the study of the effects of **infantile** *malnutrition.* 022074
Effect of **maternal** *malnutrition* on maternal health and the outcome of pregnancy. 022189
Maternal *malnutrition* and neonatal growth hormone [Cattle]. 023634
Metabolic and behavioral consequences of a short period of *malnutrition* in the **neonatal** life of the rat and pig. 024880
Serum coloidal osmotic pressure in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and **oedema** *[Malnutrition].* 022058
The effect of chronic **protein** *malnutrition* on trans-callosal evoked responses in the rat. 022073
Chromosomal aberrations in *malnutrition* **[Rats].** 022158
Malnutrition, **scourge** of early childhood. 022193
Malnutrition **studies** in Macaca mulatta. IV. Energy and protein consumption during growth failure and "catch-up" growth. 022005

MALT

Advice for *malting* 1975 **barley.** 022742
Screening of *malting* **barley** in the laboratory: a new laboratory screening apparatus for the grading of malting barley and other grains. 022743
The effect of some storage parameters on biochemical changes in *[malting]* **barley** grain. 022822
The millenium in *malt* **beverages?** 022402
Pattern of activity of a trypsin-like **enzyme** during *malting.* 022399
Enzyme inhibition by polyphenols of sorghum **grain** and *malt.* 022508
Design, construction and start-up of **pilot** *malting,* brewing, and storage facilities. 022545
Conditioning factors in *malt* and **unprocessed** worts. 022387

MALUS

Double-flowered ornamental *[Malus]* **crab** apples: Cameron, Maybride and Prince Charming [cultivars]. 027723
New evidences of the high sensitivity of *Malus* **dawsoniana** to apple proliferation [virus] disease and of its value for testing apple trees. 028187
Plant species outside the **genus** *Malus* as indicators for latent viruses of apple. 028189
Apple latent viruses: transmission from herbaceous host tissue to *Malus* **indicator** plants and distribution in apple budwood. 028169
Characteristics of accumulation of p-coumarylglucose in the parenchyma of apple **(Pirus** *malus* L.). 027223
Low-temperature-induced cankers and burls [injuries] in test conifers and hardwoods [Pinus, *Malus,* **Tilia** cordata, Ulmus]. 025018

MALVACEAE

Anatomy of the gynoecium in two species of **Bakeridesia** *(Malvaceae).* 025938
Seed development of Abelmoschus **esculentus** *(Malvaceae).* 026695

MAMMALIA

The isolation and characterization of *[mammalian]* **alpha-keratin** microfibrils. 022646
Translation of alfalfa mosaic virus RNA's in *mammalian* **cell-free** systems. 028286
Control of growth of *mammalian* **cells** in cell culture. 023590
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and *mammals* **[Chick,** quail and mouse embryos]. 023351
Replication of DNA in *mammalian* **chromosomes.** III. Size and RNA content of Okazaki fragments. 024058
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus **giliacus** *(Mammalia,* Muridae) [Mice]. 028994

The hydraulic function of intramyocardial fluids subject to the erectile properties of the ventricular wall of *mammalian* **hearts** [Dogs]. 023679
Complexes of haemoglobin and hem-protein in sera of *mammals*. II. **Immune** electrophoretic researches [Swine, cattle]. 024463
Plutonium in *mammals:* **influence** of plutonium chemistry, route of administration, and physiological status of the animal on initial distribution and long-term metabolism. 023419
Correlation between ultrastructure and histochemistry of *mammalian* **intrafusal** muscle fibres [Cats, rabbits, rats]. 023548
The connective tissue skeleton in the *mammalian* **kidney** and its innervation [Includes livestock]. 023174
Comparative study of the occurrence of placental prolactin among *mammals* **[Laboratory** animals, sheep, swine]. 023414
Nucleotide sequences in the RNA of *mammalian* **leukemia** and sarcoma viruses. 024461
The role of intestines in the formation of normal antibodies at early stages of individual development of *mammals* [Includes **livestock**]. 023680
The effects of fusimotor stimulation during small amplitude stretching on the frequency-response of the primary ending of the *mammalian* **muscle** spindle [Cats]. 023554
Adrenergic drug-receptor interaction in the presence of strontium (Sr++) in *mammalian* **myocardium** [Rabbits]. 023254
The expression of avian Gs antigen in *mammalian* **Rous** sarcoma virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
A comparison of intestinal amino acid absorption in various avian and *mammalian* **species.** 023375
Synthesis and amino acid composition of basic proteins in *mammalian* **sperm** nuclei. 024064

MAMMARY

The fine structure of mast cells in the normal **bovine** *mammary* gland. 023233
Study of the effectiveness of the closed method of surgery in cases of damage to the *mammary* **cisterna** [Cows]. 024388
Nonequilibration of acetyl units from fatty acids and glucose in *mammary* **glands** of lactating mice. 023511
Metabolism of arginine and ornithine in the cow and **rabbit** *mammary* tissue. 023509
Viral etiology of *mammary* **tumours.** 024684

MAMMILLARIA

Grafting cacti *[Mammillaria,* **Melocactus].** 027807
Mammillaria **sheldonii** (Britton & Rose) Boedeker [Cultivation]. 027775

MAN

Preliminary serological survey of brucellosis in **animal** and *man*. 024550
Hormology with inorganic compounds [Nutritional and toxic effects on *man* and **animals**]. 021873
Distribution of ascorbic acid, metabolites and analogues in *man* and **animals.** 022031
Comparison of free amino acids in blood serum of *men* and **animals.** II. Man, rabbit, guinea-pig, swine. 023676
Leptospirosis in San Martin, Peru *[Man,* **animals].** 024464
Studies on brucellosis. III. Comparison of various serological tests *[Man,* **animals].** 024553
Antigenic cross reactions between immunoglobulins of some farm **animals** and *man*. 024555
Antigenic cross-reactions between immunoglobulins of some farm **animals** and *man*. 024556
Organochlorine compounds in the general population of the seventies and some of their biological effects (in *man* and **animals).** 029170
Vaccine strain 19: its problems in animals [cattle] and *man* **[Brucella** abortus]. 024529
Presence of substance P-like immunoreactivity in plasma from *man* and **dog.** 023186
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for organo-phosphorous insecticide poisoning, *men* and **experimental** animals]. 029087
Comparison of free amino acids in blood serum of men and animals. II. *Man,* **rabbit,** guinea-pig, swine. 023676
Mutagenic, carcinogenic and teratogenic effects of pollutants in **respect** to *man*. 030951
A comparison of phosphate and non-phosphate detergents in the laundering of *men's* **shirting** fabrics. 022227
Metabolism of ascorbic acid and ascorbic-2-sulfate in *man* and the **subhuman** primate. 022039
Megavitamin E **supplementation** in *man*. 022006
Results of modern two and **three** *man* dairy farms. 021316
Man's **utilization** of natural resources through bees. 029736
Man's **utilization** of natural resources through bees [Apis mellifera]. 029737

MANDARINS

The effect of potassium fertilizers on frost resistance of the *mandarin* **orange** tree. 030538
The effect of root and foliar nutrition on the growth, development and yield of *mandarin* **orange** fruits [Soil and foliardressing with fertilizers]. 030539
The effect of mulching of humus calcareous soils on the yield of *mandarin* **oranges.** 030618
Studies on quality control for Satuma mandarin oranges. I. On the classification method for stored **Satsuma** *mandarin* by sampling inspection. 021860
Studies on the nondestructive measurement of quality of **Satsuma** *mandarin* oranges. II. The use of light transmittance techniques for fruit grading. 021861
Studies on postharvest treatments for ripening of citrus fruits. I. Lowering of the acidity in **Satsuma** *mandarin* orange by heat treatment. 022869
Studies on the simplification of quality evaluation of **Satsuma** *mandarin*. II. Relation between refractometer value and total sugar contents in Satsuma orange juice. 022884
Studies on quality control for **Satuma** *mandarin* oranges. I. On the classification method for stored Satsuma mandarin by sampling inspection. 021860

MANDIBLES

Two phases of chorda-lingual induced vasodilatation in the **cat's** *submandibular* gland during prolonged perfusion with Locke solution. 023557
Use of an inclined plane for correction of **ectopic** *mandibular* canine tooth in a dog. 024394
Suppurative *mandibular* osteomyelitis associated with Pasteurella multocida in a rabbit. 024782

MANDUCA

Dynamics of juvenile hormone action in larvae of the tobacco hornworm, *Manduca* **sexta** (L.). 029252
Juvenile hormone titers in hemolymph during late larval development of the tobacco hornworm, *Manduca* **sexta** (L.). 029253
Debraining and diapause development in *Manduca* **sexta** pupae. 029409
The biology of the black larval mutant of the tobacco hornworm, *Manduca* **sexta.** 029420

MANEB

Nitrogen transformations in soil as affected by the fungicides benomyl, dyrene, and *maneb* [**Effects** on microorganisms]. 030177

MANGANESE

A rapid method for the determination of *manganese* **ethylenebisdithiocarbamate** [fungicide] and its residues on grains. 029114
Interactions of dietary iron and *manganese* in **growing** rats. 023953
Manganese and **photosynthetic** oxygen evolution by algae [Anabaena cylindrica, Chlorella vulgaris]. 026690
Manganese **requirement** of the baby pig. 023895
Manganese **resources** in soils and plants of the Altai Territory. 030379
Effect of Zn, [zinc] Fe [iron] and moisture on the availability of Zn, Fe annd Mn *[manganese]* in **soil.** 030240
Influence of boron and *manganese* on **starch** quality of potatoes. 027299
Effect of *manganese* and **sulphur** fertilization on growth and yield of onions grown on alkaline low moor peat soil. 030395
Response of two soya bean cultivars to *manganese* **toxicity** as affected by pH [hydrogen-ion concentration] and calcium levels. 028333
The effect of steam sterilisation of soil on the *manganese* **uptake** by glasshouse crops. 027637

MANGE

Comparative susceptibility of the **chorioptic** *mange* mite, northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
A note on the clinical trial with "Lazin-Veterinary" in **sarcoptic** *mange* [Sarcoptes scabiei] in rabbits. 029019

MANGIFERA

Studies on cold storage of mango **fruits** *(Mangifera* indica L. Cv. Langra). 022913
Bacterial black spot [Erwinia mangiferae] in **mango** *(Mangifera* indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial black spot [Erwinia mangiferae] in **mango** *(Mangifera* indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128

MANGIFERAE

Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with bacterial black spot **[Erwinia** *mangiferae].* 028126
Bacterial black spot **[Erwinia** *mangiferae]* in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial black spot **[Erwinia** *mangiferae]* in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Respiration rate of the mango fruit peel and its association with bacterial black spot **[Erwinia** *mangiferae].* 028129

MANGOES

Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) *[mango* **blossom** midge]. 029444
The effect of decortication of seed on germination and the number of nucellar seedlings of some *mango* **cultivars** in Ghana. 027083
Ascorbic acid content and enzyme activities during maturation of the *mango* **fruit** and their association with bacterial black spot [Erwinia mangiferae]. 028126
Respiration rate of the *mango* **fruit** peel and its association with bacterial black spot [Erwinia mangiferae]. 028129
Studies on cold storage of *mango* **fruits** (Mangifera indica L. Cv. Langra). 022913
Bacterial black spot [Erwinia mangiferae] in *mango* **(Mangifera** indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial black spot [Erwinia mangiferae] in *mango* **(Mangifera** indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Rapid process for **peeling** *mangoes*. 022976
Effects of gamma irradiation and storage temperature on carotenoids and ascorbic acid content of *mangoes* on **ripening.** 022949

MANGOSTEEN

Phenolic compounds from the heartwood of Garcinia **mangostana** *[Mangosteen].* 026754

MANIHOT

Amino acid specters of leaves of cassave clones that are morphologically very different (Manihot esculenta **Crantz** *(=Manihot* utilissima Pohl.)). 026913

MANIOC *see* CASSAVA

MANNITOL

Hepatocellular uptake of erythritol and *mannitol* in the **dog.** 023216
D-mannitol from **Peucedanum** and Delphinium. 026474

MANNOSES

The transfer of *mannose* to **dolichol** diphosphate oligosaccharides in pig liver endoplasmic reticulum. 023294
Glycoprotein biosynthesis in plants: Demonstration of lipid-linked oligosaccharides of *mannose* and **N-acetylglucosamine** [Cotton]. 026976

MANNOSIDASE

A urinary pentasaccharide in bovine mannosidosis **[Deficiency** of *alpha-mannosidase].* 024836

MANPOWER

Dynamics and structure of *manpower* in the **agriculture** of Hungary. 021295

MANUAL

Study of the effect of pulses on milking velocity and magnitude of *manual* **end-milking** during machine milking of ewes. 023194
Cannibalism as an indication of pollen insufficiency in honeybees [Apis mellifera]: ingestion or recapping of *manually* **exposed** pupae. 029805
1976 field crops **herbicide** *manual* for dealers and custom applicators. 028483
Turnovers correlated with maximum and **minimum** *manual* labor [Forest labor, work management]. 025105
Manual on **storage** centers [Agricultural product distribution, marketing, Peru]. 021623
User's *manual* for the National Agricultural Policy Simulator (POLYSIM) [Computer programs]. 021791
User's *manual* for update; an auxiliary [computer] program for POLYSIM [National Agricultural Policy Simulator]. 021792

MANUFACTURE

Microbiological production control: Errors, limits and possibilities **[Beer** *manufacture].* 022390
Study of some characteristics of Rhododendron wood species and their suitability for particle **board** *manufacture* under laboratory conditions. 025514
Pretreatment of milk and skim milk for the *manufacture* of **buttermilk** and yoghurt. 022572
Study of nature of interrelations of yeast of the genus Saccharomyces in **champagne** *manufacture.* 022998
Study methods for **cheese** *manufacturing* starter cultures. 022606
Studies on the efficient manufacture of brine cheese. I. Criteria, processes of *manufacture,* **cheese** making milk. 022618
Technology of processed **cheese** *manufacture* from the Greek cheese Feta. 022621
Studies on the **efficient** *manufacture* of brine cheese. I. Criteria, processes of manufacture, cheese making milk. 022618
Potential for feed production in other parts of the world and implications for American **feed** *manufacturers.* 023059
The composition of cheese starters for the *manufacture* of **Gouda** cheese. 022638
Manufacturing **interior** furniture parts: a new look at an old problem [Wood utilization]. 025537
Wet pressing **[Paper** *manufacture].* 025269
Evaluation of the possible impact of pesticide legislation on research and development activities of **pesticide** *manufacturers.* 029147
Contributions to investigating the migration of auxiliary substances in **plastics** *manufacture* and processing into liquid foodstuffs. I. A dynamic testing method adjustable to varying test modalities. 022421
Dairy **Products** *Manufacturers'* Association, annual report [Economic aspects]. 021220
Problems facing dairy **products** *manufacturers* and effective and economic utilisation of surplus milk products. 022588

Manufacture of **soft** cheese without drainage of whey from concentrates of ultrafiltrated skim milk. 022613
Uniform method for *manufacturing* **sugar** oxime silyl derivatives for gas chromatographic analysis. 022748
Improvement of filtration of juice of first saturation **[Sugar** *manufacture].* 022823
Manufacture of **thicker** and more solid welded seams in fluid packaging [Packaging material for dairy products]. 022603
Study for the *manufacture* of **unbleached** high yield pulp from bagasse. 025366
Problem of normalization of losses in **wine** *manufacture.* 022996
Use of enzyme preparations in **wine** *manufacture.* 022999

MANURE
Stimulation of gas production from *cowdung* by **algal** [Oscillatoria chalybea] supplementation. 029916
Use **animal** *manure* effectively! [Cotton fertilizer]. 030430
Effects of fertilizer, **barnyard** *manure,* and crop residues on irrigated crop yields and soil chemical properties. 030437
Feeding corn silage plus *manure* from **caged** layers or dairy cows as total mixed rations for dairy heifers. 023819
Survival of resistant external stages of [livestock] parasites during fermentation of liquid **cattle** *manure* at raised temperatures. 024808
Organic and inorganic P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot [Cattle, *manure,* **disposal].** 030823
The estimation of interactions in NPK [nitrogen, phosphorus, potassium] *manuring* **experiments** with grain maize carried out over a number of years. 030569
The FS 60 Diadem **farm** *manure* spreader. 030044
The 650 and 850 Rotina **farm** *manure* spreader. 030055
Tank trucks for **fluid** *manure.* 030037
Utilization and maintenance of the natural fertility of paddy soils [Plant residues, **green** *manures].* 030446
Direct and residual effect of **green** *manures* and other organic residues on soil aggregation and potato yield. 030483
Green *manuring* in hop gardens. 030523
Increase of soil fertilizity with **green** *manures* [Field crops]. 030548
Utilization of **hen** *manure* by laying hens and chicks [Feeding]. 023848
Utilization of *manure* on **large** farms and complexes [Composition, pollution]. 030577
Development of **liquid** *manure* flora and its causes in the formation of plant species (use of root test to determine injuries from liquid manure) [Forage plants]. 028334
New systems in stanchion stables with **liquid** *manure* removal. 029906
Open stall systems and **liquid** *manure* removal [Designs]. 029907
Stable and **liquid** *manure* techniques [Construction]. 029909
Stable construction and **liquid** *manure* management. 029910
Use of ventilation to remove odors from **liquid** *manure* [Equipment, air pollution control]. 030016
Some physical properties of **liquid** *manure.* 030410
Current problems in using **liquid** *manures* on grassland [Austria]. 030421
Effects of **liquid** *manure* management on the labor and economics of grassland and arable land farms [West Germany, Austria]. 030422
Knowledge gained at the **liquid** *manure* experimental farm of the Federal Experimental Station at Bumpenstein [Forage plant yields, effects of feeding on dairy cattle]. 030423
Take notice of soil properties when applying **liquid** *manures* [Forage plants, yields]. 030425
Use of **liquid** *manures* for maize [Yields]. 030426
Use of **liquid** *manure* for potatoes [Yields, weed control]. 030427
Simple ways of reducing odor during the storage and application of **liquid** *manure* to arable land. 030809
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and **nitrogen** *manuring* on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Concentrated **organic** *manures*—an answer to fertilizer crisis. 030449
Utilization of **poultry** *manure* in rations for lambs. 023691
Gross protein value of dehydrated **poultry** *manure* and various supplements determined by broiler chicks. 023838
Utilization of sugarcane leaf and **poultry** *manure* in beef cattle rations. 023846
Poultry *manure*—its use in agriculture [Grasses, fertilizers]. 030428
Removal and use of *manure.* 030576
Annotated bibliography on *manurial* **requirements** of pumpkin, squash, watermelon and muskmelon, 1969-1974. 030512
Is the **semi-liquid** *manure* cultivator forcing us to protect the environment. 030030
Economic effectiveness of application of **semi-liquid** *manure* [Field crops]. 030555
Successions of microorganisms and invertebrata and their connections with biochemical processes during decomposition of *manure* in **soil.** 030277
Hygienic aspects of liquid and **solid** *manures* [Livestock disease control]. 030808
The C 40 moving farm container *[Manure* **spreaders].** 030039
The effect of slurry nitrogen in dependence on application date, **straw** *manuring* and catch-crop growing under different local conditions. 030419

MAPLES
Maple **[Acer]** species introduced into Turkmenistan. 025198
Heating and weight-loss sequences in *maple* **[Acer** saccharum]chip piles and the effect of borax. 025509
Thinning in a *maple* **[Acer]-beech** [Fagus] stand in view of producing yellow birch [Betula alleghaniensis] wood. 025223
Miyabe *maple* [Acer miyabei]: a tree worth knowing more about[Culture]. 027693
The dynamics of Hueston Woods and a review of the question of the successional status of the **southern** *beech-maple* forest [Fagus grandifolia, Acer saccharum]. 025889
Leaf surface effects of environmental pollution on **sugar** *maple* (Acer saccharum) in Montreal. 030820

MAPPING
The mouse **chromosome** *map.* 024071
Climatic *maps* of Tohoku district for forestry. 025015
Map of the **distribution** of national parks in Poland's geobotanical regions. 025680
Practical use of *mapping* [for **growing** forage crops]. 027412
Phase *maps* for particles and microorganisms in animal quarters [for physiological parameters]. 023578
Photomorphic *mapping* for land-use planning. 021209
Evaluation of **soil** *map* details by using the structural parameters of the soil cover. 030288
Possible utilization of the "Kartimat III" automated system in compiling small-scale land **utilization** *maps.* 021229
Ground **water** *map* and the agriculture of the Great Plain [Hungary]. 030734

MARASMIUS
Studies on *Marasmius* **androsaceus** [Fungi]. 026329

MAREK
Influence of some physical factors on survival of *Marek's* **disease** vaccine virus. 024441
Influence of strain of chickens on the immune response to vaccination against *Marek's* **disease.** 024457
Study on *Marek's* **disease** in laying chickens. 024678

MARES *see* **HORSES**

MARGARINE
Easy spread **butter** and *margarine.* 022567

MARIGOLDS
A process for the purification of lutein-fatty acid esters from *marigold* **petals** [Food colorants]. 022495
Marigold **[Tagetes]** cultivation for pleasure and profit. 027735

MARIJUANA
Cannabis smoke condensate: identification of some acids, bases, and phenols [of *marijuana* **cigarettes].** 021907
Alkaloids of Cannabis sativa **leaves** *[Marijuana].* 026716
Biosynthesis of cannabinoid acids [Cannabis **sativa,** *marijuana].* 026722

MARINATING
Hydrogen peroxide bleaching of *marinated* **herring.** 022501

MARINE
Marine **algae** of northern Greece. 025628
Recent additions to the *marine* **algal** flora of Nahant, Massachusetts. 025813
Response of the *marine* **angiosperm** Phyllospadix torreyi to certain environmental variables: a preliminary study [Salinity, light, temperature]. 026373
Investigations on the ecology and physiology of the *marine* **blue-green** algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Investigations on the natural durability of indigenous timbers for use in *marine* **construction.** 025423
Investigations on the natural durability of indigenous timbers for use in *marine* **construction.** 025424
Partitioning of nitrogen and carbon in cultures of the *marine* **diatom** Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. 026668
Alkaline and acid phosphatases of the *marine* **diatoms** Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) Cleve [Algae]. 026640
The toxicity of DDE [dichlorodiphenyl dichloroethylene] to a *marine* **dinoflagellate** [Exuviella baltica, algae]. 029095
Requirements and methods of **freezing** *marine* products and meat. 022657
Quantitative and qualitative variations of bacterial population in polluted and **nonpolluted** *marine* environment. 030910
Geochemical investigations on the composition and depositional environment of **paleozoic** *marine* pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Nitrogen utilization during spring blooms of *marine* **phytoplankton** in Bedford Basin, Nova Scotia, Canada. 026667
Serological and hemolytic characteristics of Vibrio parahaemolyticus from *marine* **sources** [Oysters]. 021930
The development of a **standardized** *marine* algal assay procedure for nutrient assessment [Water pollution]. 030860
Mycoflora of the rhizosphere and roots of pome fruits in the *Maritime* **Territory** [Pathogenic fungi]. 028015
Bacterial blight [Erwinia amylovora] not discovered [but bacterial canker present on apples and pears in *Maritime* **Territory].** 028155
Mirex and *marine* **unicellular** algae: accumulation, population growth and oxygen evolution. 028337

MARKERS
Mass marking techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent **aerosol** *marker.* 028896
Good prospects for *marked* **articles** [Dairy industry, trade]. 021483
Dispersal of *marked* **boll** weevil [Anthonomus grandis]: 19701973 studies. 029217
Safety of heavy metals as **nutritional** *markers* [Mice, monkeys]. 021876

MARKETING
Compilation of statutes relating to the **Agricultural** *Marketing* Service and closely related activites as of September 1, 1975. 021465
Costs and margins in the *marketing* of **agricultural** products in the Zona da Mata, of Minas Gerais. 021629
Storage becomes a *marketing* **alternative.** IV. [Soybeans]. 021639
Marketing of **animal** fats. 021512
Organization of the Baden-Wurttemberg [swine] hybrid breeding program in cooperation with production and *marketing* **arrangements.** 024238
An analysis of indoor potted flowering plant purchase **behavior** *[Marketing].* 021473
Producing and *marketing* **Canada's** beef in a North American community. 021614
Aspects of **cattle** *marketing* [Brazil]. 021630
Marketing **channels** for horticulture in Kenya. 021461
Packing peaches will never be the same in southeast Missouri *[Marketing* **cooperatives].** 021603
Production and *marketing* **costs** and margins for poultry and eggs. 021426
The economic problems of milk schemes in developing **countries** *[Marketing].* 021653
Propaganda for eastern Swiss wine, more **current** than ever! *[Marketing].* 021636
Marketing also in the **dairy** industry. 021485
Fruits and tree nuts: blooming, harvesting, and *marketing* **dates.** 027656
Competition in *marketing* **domestic** tree nuts. 021605
An evaluation of two shell **egg** *marketing* systems [Costs]. 021411
Egg *marketing.* 021581
Subvention of sugar for honey bees as a **European** *marketing* problem. 021634
FAR-MAR-CO [**farmers** *marketing* cooperative] implementing producer wheat marketing system. 021602
Fertiliser *marketing;* need for a new concept. 030454
Review of **fertiliser** *marketing* situation in India in 1974-75. 030455
On the conduct of in-store field experiments **[Food** *marketing].* 021590
Sophistication in **grain** *marketing.* 021597
Production and *marketing* of **Hassaku** oranges. 1. 021466
Views in a time of crisis [Sugar **industry,** *marketing].* 021657
Utilization of production and *marketing* **information** by Maine potato producers. 021474
Preparations for *marketing* **irradiated** potatoes and onions in the Federal Republic of Germany [Consumer and health considerations]. 021895
Results of *marketing* **Louisiana-grown** Christmas trees [Pinus, Juniperus virginiana, Cupressus arizonica]. 025460
Direct **mail** *marketing* [agricultural products]. 021611
The technology of fresh **meat** *marketing.* 021583
U.S. Cotton policy outlined at international **meeting** *[Marketing].* 021565
Milk *marketing* and the dairy cow of tomorrow. 021612
Substitutes? Overcoming competition! **[Pecans,** *marketing].* 021606
Manual on storage centers [Agricultural product distribution, *marketing,* **Peru].** 021623.
Some thoughts about developments in the diary industry *[Marketing* **policy,** New Zealand]. 021482
Production at crossroads **[Pork,** *Marketing].* 021608
Impact of conversion to grade A on Federal Milk Orders **[Prices,** *marketing].* 021481
Marketing **problems** force cut in world tomato harvests. 021544
Petitions and clearances for irradiated food items: implementation of legislative requirements in *marketing* **tests** [Israel]. 021742
Economic aspects of peanuts *[Marketing,* **trade,** Argentina]. 021582

Traditional *marketing* functions in the food industry—2000 A.d. 021591
Canada's grape growers plant improved **varieties** *[Marketing].* 021524
Japan to take 300 Ontario hogs per **week** *[Marketing].* 021541
FAR-MAR-CO [farmers marketing cooperative] implementing producer **wheat** *marketing* system. 021602
Bridging the gap between theoretical and real **world** *marketing* [Agricultural industry]. 021615

MARKETS
Research on the locality of swine farm: transportation factors in swine rearing on **areas** far from the *market.* 021470
Beef *market* specifications as they affect the producer. 021617
How will the intervention price rise on the **butter** *market* work? 021484
How **Canada** *markets* wheat: government is in charge. 021538
The effect of intermittent lighting programmes on the production of *market* **chickens** and turkeys. 023675
Land use shifts and increasing cereal grain output in E.C. **[Common** *Market].* 021488
Relative advantages enjoyed by Kibbutz industry [collectivefarm] in the free trade between Israel and the **Common** *Market.* 021574
Crises, consequences and challenges for the New Zealand animal production industry **[Demands,** *markets].* 021619
Quality production of lamb meat from the *market* **economic** view. 021650
Sugar, new king of the **export** *market.* 021631
Chemical assessment of quality in tea and its relation to the *market* over an **extended** period. 021934
The changing **family** *market.* 022266
Development of the world **feed** *market.* 021593
Situation of the mixed **feed** *market* and animal production. 021594
Public intervention and guidance of *market* **forces** to achieve redistribution [Population]. 021752
USSR-East European **grain** *market.* 021568
Australian sheepmen view Mideast as **growing** *market.* 021521
The booming **Iraqi** *market* for U.S. Farm products. 021500
Japan's *market* demand and competition in fiscal 1975. 021495
Leading *markets* for 1974 U.S. Agricultural exports [Statistics]. 021496
Leading *markets* for U.S. Agricultural exports in fiscal 1975. 021497
Australia sees sharp competition in Japan **meat** *market.* 021519
Types of cattle to feed in relation to the **needs** of *markets.* 023833
Supplying Alaska's red meat **& poultry** *markets.* 021471
Pig prices drop with *market* **price.** 021576
Ice creams and sherbets. Quality requirements and *market* **situation.** 021896
The **student** *market.* 022253
Effects of milk [price] control **studied** in 83 *markets.* 021637
Sugar *market* policy from the point of view of German sugar commerce. 021655
Sugar *market* policy from the view of the German sugar trade. 021656
Marketed **surplus** in Indian agriculture: theory and practice. 021604
An economic model of Georgia's long-run **timber** *market.* 025476

MARKINGS
Scent-marking, **dominance** and flehmen behavior in domestic rabbits in an artificial laboratory territory. 023372
Mass *marking* techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. 028896
On *"Marking* the **wood** harvest". 025294

MARMOSETS
Husbandry and observation methods of a breeding colony of *marmosets* **(Callithrix** jacchus) for behavioural research [Laboratory animals. 023131

MARROW
Evaluation of primary blood monocyte and **bone** *marrow* cell culture for the isolation of Rickettsia rickettsii [Guinea pigs, monkeys]. 024574
Structure-activity relationships in fungitoxicants related to triforine and chloraniformethan. II. Redistribution on barley and *marrow* **seedlings.** 028041

MARSHES
Taxus **canadensis** *Marsh.:* a new state record for Tennessee. 025675
Proximate nutritive value changes during decomposition of **salt** *marsh* plants [Spartina cynosuroides, Distichlis spicata, Scirpus americanus]. 022104
Interstitial protozoa and algae of Louisiana **salt** *marshes.* 025910
Primary production and substrate selective properties of selected maine **salt** *marsh* plants. 026432
Some environmental factors affecting the daily and seasonal movements of the **salt** *marsh* greenhead, Tabanus nigrovittatus. 029012
Osmophilous fungi in the **salt** *marshes* of Kuwait. 030191
Saving *wetlands* for a rainy day [Natural resources conservation]. 030941

MARSUPIALIA
Nutrition of **orphan** *marsupials* [reared on cow's milk]. 022054

MASDEVALLIAS
Orchid genera, illustrated. **XLIX.** *Masdevallia.* 025595

MASS
Mass-spectroscopy of **aflatoxins** [Contaminants of food]. 021981
Separation of thrashed **cereal** *mass* on a vibrating screen. 022732
Mass-rearing of **Chrysopa** carnea Steph. (Neuroptera, Chrysopidae) [Insect pests, biological control]. 028685
Chemical desiccation of potato tops, a useful component in the technology of *mass* **crop** production [Harvesting aid]. 027848
The *mass* **diffusion** of three organophosphate insecticides into a range of New Zealand soils. 029160
Interferometric measurements of **dry** *mass* content in nuclei and cytoplasm in the life cycle of antheridial filaments cells of Chara vulgaris L. [Algae] in their successive developmental stages. 026334
Examination of acetolysis products of phosphatidylcholine by **gas** *chromatography-mass* spectrometry. 022515
Gas *chromatographic-mass* spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some organic solvents. I. 023041
The kinetics of drying hydrochloric acid **hydrolizate** *mass* with air [Wood hydrolisis]. 025346
Mass **incidence** of perosis in chickens. 024922
Mass-spectrometric **investigation** of the abienols—diterpene alcohols [Abies]. 027314
Mass **marking** techniques for European cherry fruit fly, Rhagoletis cerasi L. I. Application and identification of topical fluorescent aerosol marker. 028896
The mineral composition of apples. Calcium concentration and bitter pit in relation to **mean** *mass* per apple. 022952
The *mass* **media** and a future breed of public administrators. 021320
Retailing florist crops through *mass* **merchandising** outlets: Rochester, New York and Hartford, Connecticut. 022862
Artificial insemination: a longer way to the production of purebred queens as a basis for *mass* **multiplication** [Apis mellifera]. 029847
Quantitative, multicomponent analysis of fatty acids from cholesteryl esters by chemical ionization **reconstructed** *mass* chromatography. [Human atherosclerosis]. 022154
Problems of analysis of the system of *mass* **servicing** of forest logging with consideration of the reliability of mechanisms. 025408
Indole-3-acetic acid: *Mass* **spectra** and chromatographic properties of amino acid conjugates [Plant growth regulators]. 026619
Mass **spectrometry** of flavonoids. 026576
Structural determination of C-glycosylflavones [in plant extracts] by *mass* **spectrometry** of their permethyl ethers. 026764
Mass-spectrometric **study** of the coumarins mogoltin, mogoltavin, and mogoltavinin [Peucedanum mogoltavicum]. 026489
Basic knowledge of freeze drying. Heat and *mass* **transfer.** 022444
Heat and *mass* **transfer** in freeze drying. 022453
Heat and *mass* **transfer** in freeze drying of mixed granular particles. 022454

MAST *see* **FEED**

MASTITIS
CMT **[California** *Mastitis* Test], your tool for detecting subclinical mastitis [Dairy cattle]. 024521
Comparative studies on the effectiveness of intrammary treatment of **clinical** *mastitis* in cattle. 024731
The machine's role in *mastitis* **control** [Cattle]. 024504
Mastitis **[Control,** dairy cattle]. 024508
Mastitis **detection** [Dairy cattle]. 024507
Effect of drying off [cattle] practices on *mastitis* **infection.** 024596
Problem of **infectious** *mastitis* [in cows]. 024510
Phage types of Staphylococcus aureus isolated from bovine milk from [cows] affected with *mastitis* in **Japan.** 024489
Sodium cloxacillin for treatment of *mastitis* in **lactating** cows. 024597
Mycotic *mastitis* produced experimentally in goats. 024650
Examination of **problem** *mastitis* herds in Ohio [Dairy cattle]. 024466
Mastitis in **sows** [Escherichia coli, Klebsiella, swine]. 024668
Investigations on some parameters of milk for the detection of **subclinical** *mastitis.* 024417
CMT [California Mastitis Test], your tool for detecting **subclinical** *mastitis* [Dairy cattle]. 024521
A note on diagnosis and treatment of **subclinical** *mastitis* in buffaloes. 024558
Mastitis **therapy:** effective treatment or double trouble? 024469

MATCHING
World coffee production in 1975/76 *matches* **consumption** needs [Statistics]. 021514
Problems in **sibling** *matching* designs: a case report [Effects of malnutrition]. 022080

MATERNAL
Milk yield in mice selected for growth or *maternal* **ability.** 024053
Maternity **barn** for dairy cows. 029962
Effects of olfactory bulb ablation on *maternal* **behaviour** in sows [Swine]. 023248
A study of temperature-sensitive mutations in the virilis group of Drosophila. III. *Maternal* **effect** and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. 029464
Inverse of a matrix of relationships due to sires and *maternal* **grandsires** [Artificial insemination]. 024101
Effect of maternal malnutrition on *maternal* **health** and the outcome of pregnancy. 022189
Changes in ascorbic acid metabolism of the offspring following **high** *maternal* intake of this vitamin in the pregnant guinea pig. 022027
Effect of *maternal* **malnutrition** on maternal health and the outcome of pregnancy. 022189
Maternal **malnutrition** and neonatal growth hormone [Cattle]. 023634
Relationships of birthweight, *maternal* **nutrition** and infant mortality. 022185
Effect of foetal adrenalectomy on *maternal* **oestrogen** levels at dexamethasone-induced parturition in sheep. 024105
Preliminary evidence of the influence of caffeine concentration on modification of *maternal* **repair** of chromosome breaks induced by X-rays in the paternal genome of Drosophila. 029449
Maternity **services** [India, includes nutrition]. 022190
Creep feeding and **subsequent** *maternal* ability of Simmental cross calves. 023628
Effect of *maternal* **sucrose** intake on the metabolic patterns of mature rat progeny. 021998

MATHEMATICS
Mathematical **bases** for analysing the growth of farm animals. 023269
Bridge the gap with *mathematics* and **computers** [in agriculture]. 021674
Mathematical **description** of the process of filtration during vertical percolation [Wood hydrolisis]. 025312
Utilization of *mathematical* **methods** in planning the production of high quality seeds [of cereals]. 027522
Mathematical **model** for profit development in a sector of agriculture [Statistical methods]. 021668
Mathematical **model** of forecasting inventory of forest stands. 025122
Displacement washing of packed beds of cellulose fibres. 1. *Mathematical* **model.** 025484
Mechanical properties influencing vibrations in blueberry canes [Vibratory harvesters, *mathematical* **model].** 030145
Mathematical **model** for investigating problems of subsurface water dynamics (exemplified by the Ararat plain). 030768
Evaluating a *mathematical* **model** for predicting lake eutrophication. 030817
Mathematical **modeling** of the process of sawing with motorized chain saws. 025394
Resource allocation in agricultural research using socio-economic evaluation and *mathematical* **models.** 021180
Quantitative investigations on the nitrogen metabolism in higher plants. I. *Mathematical* **models** of nitrogen-metabolism of Vicia faba [Broadbeans]. 027141
Experience in *mathematical* **representation** of fluctuations of subterranean flow into rivers in the northwest part of the European Territory of the USSR (ETU). 030765
A *mathematical* **treatment** of rate data obtained in biological flow systems under nonsteady state conditions [Cotton explant]. 027014

MATING
Mating **activity** and its relationship to reproductive performance in Merino sheep. 024024
Courtship **behavior** and use of chemical communication by males of certain species of ithomiine butterflies (Nymphalidae: Lepidoptera) [Danainae]. 029215
Mating in **Chlamydomonas:** a system for the study of specificcell adhesion. I. Ultrastructual and electrophoretic analyses of flagellar surface components involved in. 026020
Mating in **Chlamydomonas:** a system for the study of specificcell adhesion. II. A radioactive flagella-binding assay forquantitation of adhesion [Algae]. 026021
Dispersal and *mating* in the **field** by male pink bollworm, Pectinophora gossypiella, labeled with 32P [phosphorus isotope]. 026952
Influence of Holstein-Friesian [cattle] *mating* on **first** lactation performance under various environmental conditions. 024235
Escape from *mating-type* **incompatibility** in bisexual (A + a)Neurospora heterokaryons [Fungi]. 026120
Observations of queen bees [Apis **mellifera,** *mating].* 029851
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and **microfilament-associated** *mating* structure activation in wild-type and mutant strains. 026200
Observations on *mating* and **oviposition** behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae). 028926
The interaction of nutrition and body condition at *mating* on **ovulation** rate and early embryo mortality in Scottish Blackface ewes. 024087
Choice of *mating* **partners** by male animals. 024227
Comparison of pen and paddock systems for the **pedigree** *mating* of sheep. 024178

Reproductive performance of Merino **ewes** [sheep] dosed with selenium **prior** to *mating.* 024184
Tests for association of gene frequencies at several loci in **random** *mating* diploid populations [Animal genetics]. 024040
The *mating* **reaction** in yeast [Saccharomyces cerevisiae]. II. Spontaneous occurrence of omni-mating types. 026216
Courtship as a **reinforcement** for key pecking [behavior] in the pigeon, Columba livia. 023234
When should swine be **served** or *mated?* 024213
Effect of light on egg-laying rate and *mating* **speed** in phototactic strains of Drosophila. 029456
Gamma irradiation of adult Plodia interpunctella: Effects on *mating,* **sterility,** and number of progeny [in stored peanuts in Georgia]. 028969
Results of **test** *matings* with pigmented Angora goats. 023975
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of sperm and on *mating* of the **tobacco** budworm[Heliothis virescens]. 028739
Sex hormones in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to "male sterility" of the A *mating* **type).** 026314
The mating reaction in yeast [Saccharomyces cerevisiae]. II. Spontaneous occurrence of *omni-mating* **types.** 026216

MATRICES

Matrix-bounded **enzyme.** II. Potato phosphorylase entrapped in polyacrylamide gel after gel electrophoresis. 022898
Regulation of the biosynthesis of the macromolecules of the **intercellular** *matrix* of the cornea [Calves]. 023606
Inverse of a *matrix* of **relationships** due to sires and maternal grandsires [Artificial insemination]. 024101

MATURITY

Characterization and localization of the RNA synthesized in *mature* **avian** erythrocytes [Chickens]. 023398
Photoperiodic regulation of bulbing and *maturation* of **Bet** Alpha onions (Allium cepa L.) under decreasing daylength conditions [in Israel]. 027200
Salivary glands of female Culex pipiens: morphological changes associated with *maturation* and **blood-feeding.** 029004
Response of an *early-maturing* **corn** hybrid to planting date and population in the northern [Great] Plains [North Dakota]. 027358
Heat unit concept of **crop** *maturity.* 026961
Cellulase activity, endogenous abscisic acid, and ethylene in four citrus **cultivars** during *maturation.* 027263
Early *maturing* and resistance to [Verticillium] wilt of cotton [Breeding]. 026212
Economic *maturity* and ages of cutting areas. 025114
Age at **flock** *maturity*—how important is it? [Chickens]. 024161
Changes in trypsin inhibitory activity in soybean varieties during *maturation* and **germination.** 021921
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo periodically induced testicular **growth** and *maturation.* 023516
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of *mature* **larva** of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
Late *maturing* rice variety trial, Kern County 1975. 027427
Polyploidy and enucleation in *mature* **leaves** of Barbilophozia barbata [Hepaticae]. 026099
Predicting bulb size and *maturity* in **Lilium** longiflorum Thunb. cultivars [Varieties]. 027080
Ascorbic acid content and enzyme activities during *maturation* of the **mango** fruit and their association with bacterial black spot [Erwinia mangiferae]. 028126
Embryonic mortality during the pre- and post-implantation periods of pregnancy in *mature* **mice** after superovulation. 024119
Photosynthesis of **newly** *matured* leaves during the ontogeny of barley grown at different nutrient levels. 026931
Preovulatory and ovulatory mechanisms in **oocyte** *maturation* [Rabbits]. 024125
Large-scale isolation of intact vacuoles and isolation of chloroplasts from protoplasts of *mature* **plant** tissues. 026067
Ratio between **precocious** *maturation* and fat deposit in Ukrainian White Steppe swine breed. 023673
Effect of maternal sucrose intake on the metabolic patterns of *mature* **rat** progeny. 021998
Cell wall glycoproteins and polysaccharides of *mature* **runner** beans. 027243
A comparison of variations in plasma luteinizing hormone concentrations in male and female domestic chickens (Gallus domesticus) from hatch to **sexual** *maturity.* 023512
Influence of **sexual** *maturation* on cardiac activity and reactivity of Calliphora vomitoria. I. Cardiac activity. 029436
Central and peripheral neural respiratory activity in the *mature* **sheep** foetus and newborn lamb. 023649
Amino acid absorption by portal-jugular venous differences in sheep fed **two** *maturities* of alfalfa hay. 023756
Early *[maturing]* **varieties** of plums. 027802
Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, calcium, and zinc in **wheat** during *maturation.* 026973
Development of *maturation* in 1975 **[Wine].** 022984

MAURITIA

Dispersal of 32 P(phosphorus isotope]-treated larvae of Spodoptera litura and **Spodoptera** *mauritia* (Lepidoptera: Noctuidae) [Effect of the wind direction]. 028714

MAYFLIES

The **burrowing** *mayflies* of the United States (Ephemeroptera: Ephemeroidea). 029709

MEADOWS

New herbicides for weed eradication in *meadow* **clover.** 028589
New varieties of Dactylis [glomerata], *meadow* **fescue** [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for forage production. 027500
Irrigation of *meadows* **[Forage** plant yields]. 030741
Effects of nitrogen and phosphorus on the yield and chemical composition of *meadow* **foxtail** [Alopecurus pratensis]. 030435
Harvesting dates for stubble residues of *meadow* **grass** seed plants [Festuca, Bromus]. 027559
The role of *meadow* **leguminous** grasses in increasing productivity of cultivated pastures. 027565
Location and management of Italian ryegrass [Lolium **multiflorum]** *meadow.* 027452
Nevada *meadow* improvement [Fertilizers]. 030513
Directions concerning the management of *meadows* in the **Pieniny** National Park. 030828
Content of copper in soils and *meadow* **plants** in some regions of southern Poland. 030170
Practical *meadow* improvement [Culture]. 027485
Rates and ratios of mineral fertilizers on *meadow* **soils.** 030491
Certain peculiarities of growing geranium [Pelargonium] on *meadow* **soils** of the Gissar Valley in relation to the utilization of nitrogenous fertilizers. 030534
New 1974 varieties: Dargov **tetraploid** *meadow* clover. 027551
Variability of total nitrogen content of 18 genotypes of *meadow* **timothy** (Phleum pratense L.). 026993

MEALS

Protein digestibility and lysine availability in **alfalfa** *meal* and alfalfa protein concentrate [Japanese quail, rats]. 023802
Supplement of rice straw for sheep with kenaf leaf [Hibicussabdariffa] or **alfalfa** *meal.* 023844
The development of ruminant digestion in the calf. I. The digestion of barley and soya **bean** *meal.* 023697
Bioavailability of lysine in ring process **blood** *meal* for swine. 023884
Relationship between **blood** *meal* volume and ovarian development in Culex nigripalpus (Diptera: Culicidae). 029008
Cassava and cassava leaf as *meal* for **broilers** and growers. 023834
Baker's yeast as a protein supplement in **corn** *meal* muffins. 022343
Level of lysine in **corn-soybean** *meal* growing-finishing [swine] rations. 023894
Easy *meals* for busy days [Recipes]. 022071
U.S. Soybean, *meal* **exports** to stage comeback in 1976. 021567
World cottonseed production down, oil and *meal* **exports** to decline in 1976. 021643
Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid **fish** *meal* extracts. 022521
Production of **grass** *meal* in specialized associations of Moldavia [Costs]. 021458
Supplementary value of leaf protein and **groundnut** *meal* in the diet of preschool children. 022112
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the **Indian** *meal* moth [Plodia. 028983
Influence of **kapok** *meal* for gilts. 023839
Palm **kernel** *meal* as the major protein concentrate in the diets of pigs in the tropics. 023778
Manioc **leaf** *meal* in poultry diets. 023722
The value of **lupinseed** *meal* [Swine]. 023807
Nutrition program for the elerly; two Texas projects **offer** *meals,* companionship, and recreation. 022350
The effects of urea, cottonseed **oil** *meal* and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Effects of soybean **oil** *meal* as the whole source of protein on rate of **gain** and feed efficiency of growing and finishing pigs. 023836
Influence of glucosinolates and high-molecular factors on the nutritional value of low-glucosinolate **rapeseed** *meal.* 022147
Aspects and problems of animal nutrition: investigations and reflections on the use of **rapeseed** *meal.* 023925
Aspects and problems of animal nutrition: investigations and reflections on the use of **rapeseed** *meal.* 023926
Apparent digestibility of the amino acids of sunflower and sesame **seed** *meals* in laying hens. 023924
Skillet *meals* go international. 022359
The replacement of some of the **soybean** *meal* by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Meal from **tannery** wastes in swine rations. 023958
Effect of replacing barley with **tapioca** *meal* at two different levels of feeding on the growth and health of early weaned pigs. 023792

MEALY

Mealy-bugs **[Pests** of ornamental plants]. 028826

MEAT

The cost of meats and *meat* **alternates.** 021848
World protein situation with particular reference to the future for **Australian** *meat* exports. 021616
The prevalence of sarcosporidiosis [Sarcocystis] in **Australian** *meat* animals [Sheep, cattle, swine]. 024433
The separation of **beef** *meat* according to quality and cuts in Athens [Grading]. 021864
Study of the quality of beef. I. Biochemical study of the aging of young **bull** *meat.* 022643
On the presence of estrogens in **calves'** *meat* and viscera. 021899
Nitrite transformations in **canned** *meat.* 021898
Influence of technological additives and of heating temperature on some chemical and physical changes in **canned** *meat.* I. Alteration of tin and iron content by corrosion of can. 021953
Influence of pseudocryptorchidism on growth, yield and quality of *meat* **[Cattle].** 023650
Analysis of results of bacteriological examinations of **chopped** *meats,* carried out on samples in the Paris region. 021966
The **"complete** *meat"* coupon [Nutritive value]. 022204
Veal productivity of calves of dairy and beef-dairy [cattle] breeds in conditions of industrial technology [Costs, returns, *meat* **composition].** 021460
Inhibitory effect of alkylarylsulfones on the swarming of Proteus bacteria *[Meat* **contamination].** 021842
Effect of muscle type on residual nitrite in **cured** *meat* [Swine]. 022678
Contribution of nitrite and nitrate to the colour and flavour of **cured** *meats.* 022685
The *"meat* **deficit"** in the commercial balance [Supply and demand]. 021635
Indonesia's rising incomes strengthen **demand** for *meat.* 021540
Meat **efficiency** of the F11 generation crossbred of the Slovak Spotted cattle with the Black Pied Lowland cattle. 022713
Research on nutrition of *meat* and **extender** blends shows PER of mixtures close to that of lean beef. 022341
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of pits yielding pale, soft **exudative** *meat.* 021840
Home freezing of fruits, vegetables, *meats,* and other **foods.** 022072
The technology of **fresh** *meat* marketing. 021583
Study of Salmonella in **frozen** *meat* (estimation of the presumptive test on lysine-iron-cystine-neutral red). 021843
Ways of increasing **goose** *meat* production in the USSR. 023169
A review of thermally produced **imitation** *meat* flavors. 022662
Nigeria to **import** *meat,* build cattle sector. 021549
Utilization of edible protein from *meat* **industry** by-products and waste. V. The characterization of extracted proteins, using polyacrylamide gel electrophoresis. 022505
Chemical changes associated with flavor in **irradiated** *meat.* 022663
Australia sees sharp competition in **Japan** *meat* market. 021519
Quality production of **lamb** *meat* from the market economic view. 021650
Studies on the contents of free amino acids, inosinic and lactic acids in the **lean** *meat* from pigs of different body weights at slaughtering. 022647
Selection of cocks of [chicken] *meat* **lines** according to sperm quality. 024248
The cost of *meats* and **meat** alternates. 021848
Rapid determination of fat in *meat* and **meat** products by Foss-let solvent extraction and density measurement. 022673
Exposure of *meat* to **methyl** bromide during refrigerated-store pest control; residues in beef and lamb and effect on quality. 028985
Libya accents production of *meat,* **milk.** 021543
A microbiological classification system for **minced** *meat.* 021844
Nicotinic acid intoxication after ingestion of **minced** *meat.* 021968
Total count and bacterial flora of **minced** *meat* with special reference to Enterobacteria and Pseudomonas. 021984
Microwave oven method for rapid determination of **moisture** in *meat.* 022672
Effect of grasses fertilized with carbamide and diammonium phosphate on the chemical composition of *meat* and **physical** properties of the wool of sheep. 022715
Incidence of Salmonella in **pig** *meat* in west Bengal and its public health significance [Food contamination]. 021902
The *"meat* **plan":** From the law to the barn [Cattle, feeding]. 023922
The *"meat* **plan:** From the law to the barn [Cattle, feeding]. 023923
Processing of **poultry** for *meat.* 022725
Texturized soy and bacterial decontaminants in **processed** *meats.* 021961

Studies on the color-development of *meat* **products** by some vegetable juices. I. On the mechanism of coloring and substances relating to it. 022648
Production of crude fats from slaughter animals and its technical significance in the production of *meat* **products.** 022652
Requirements and methods of freezing marine **products** and *meat.* 022657
Use of in-package controlled atmospheres for extending the shelf life of *meat* **products.** 022665
Rapid determination of fat in meat and *meat* **products** by Foss-let solvent extraction and density measurement. 022673
Occurrence of volatile nitrosamines [known to be carcinogenic] in spice premixes *[Meat* **products].** 022687
Day-length during rearing and the subsequent egg production of *meat-strain* **pullets** [Chickens]. 023337
Stability of myofibrillar EDTA-ATPase [ethylendiamine tetraacetic acid-adeninetriphosphatase] in rabbit psoas fiber bundles *[Meat* **quality].** 022664
Endogenous 11-hydroxy-corticosteroids in Pietrain pigs, German Large White pigs and Pietrain X Large White crosses and their relationship to *meat* **quality.** 023686
Nutrient utilization, body composition and *meat* **quality** as affected by energy protein ratio [Chicks]. 023841
Effects of ammonium perchlorate on cattle growth and *meat* **quality.** 023956
Prospects for the intensification of **rabbit** *meat* production. 023092
Supplying Alaska's **red** *meat* & poultry markets. 021471
Analysis of nitrate and nitrite in foodstuffs: a critical **review** *[Meat].* 021933
What rabbit *[meat]* **sells** the best? Analysis of consumer behavior. 021596
Effect of thawing and packaging material on discoloration of frozen **skipjack** *meat* [Seafood]. 022405
Comparison of carcasses and *meat* from **steers,** short scrotum bulls and intact bulls. 022667
Study on the establishment of *Meat* **Technology** Institute in Greece. 022650
Meat **temperature** and EEC [European Economic Community]. 022716
Effect of high temperature conditioning on subcellular distribution and levels of lysosomal enzymes *[Meat* **tenderness].** 022677
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in milk and *meats* by **thin** layer chromatography and gas chromatography. 021963
A **veterinary-controlled** *meat* and poultry inspection centre in Canada. 021978
Intensification of sheep husbandry in the central Volga River area *[Meat* and **wool** yields]. 023172
World *meat* consumption. 021468

MECHANICS

Effect of glucagon on myoelectrical and *mechanical* **activity** recorded from the isolated homologous perfused canine stomach. 023258
Effect of prostaglandin-E2 on myoelectrical and *mechanical* **activity** of totally isolated, ex-vivo-perfused, canine stomach. 023614
Response of chickens with genetically different hemoglobin types to infection with Eimeria tenella and *mechanical* **bleeding** [Chickens]. 024448
Recirculation of centrifugate in *mechanical* **dehydration** of poultry excrements [Waste removal]. 029983
Mechanical-chemical **destruction** of polysaccharides of cellolignin in the presence of phosphoric acid [Wood hydrolisis]. 025313
Dynamic *mechanical* measurements during the life to death transition in animal tissues. 023314
Relations between the mechanization and the *mechanical* **features** of fertilizers. 030102
Mechanical **grape** harvesting in Anjou [Costs, equipment]. 021429
Effect of [grape] leaf content and *mechanical* **harvest** on wine "quality". 022875
Separation of blank pistachio nuts by *mechanical* **harvesting.** 027721
Aspects of the agronomic technique of the commercial tomato: investigations on a new cultivar adapted to *mechanical* **harvesting.** 027844
Bruising characteristics of peaches related to *mechanical* **harvesting.** 028443
Mechanical **inhibition** of hypocotyl elongation induces radial enlargement [in soybean seedlings]; implications for cytokinin action. 027024
Polyphenol oxidase activity and browning of three avocado varieties [resulting from *mechanical* **injury].** 028385
Soils of **light** *mechanical* composition and cultivated pastures. 030382
Failure of Anopheles stephensi Liston to transmit human **plasmodia** *mechanically.* 029042
Means of reducing damage to seeds due to *mechanical* **processing** [Forest trees]. 025200
Effects of knots on the *mechanical* **properties** of plywood from Indian wood species. 025372
Physico-mechanical **properties** of the poplar wood from floodable areas. 025521
Mechanical **properties** of 23 species of eastern hardwoods. 025530
Physical and *mechanical* **properties** of watermelons. 027212
Mechanical **properties** influencing vibrations in blueberry canes [Vibratory harvesters, mathematical model]. 030145
Economic aspects of producing and using *mechanical* **pulp.** 025506
Economics of *mechanical* **pulping** in newsprint or how to choose a gold mine based on different energy cost scenarios. 025507
Critical point drying of fines from *mechanical* **pulps.** 025483
Dependences of some *physical-mechanical* **quantities** on internodes of barley stalks of the Dvoran and Sladar varieties. 026879
Real conditions of *mechanical* **similarity** appearing while [bulldozing, compaction, shearing and friction] forces act on soil. 030337
On slip surface and slope stability analysis **[Soil** *mechanics].* 030359
Problems of **soil** *mechanics* and construction on structurally unstable and weak soils. 030589
Single **step** *mechanical* thatch removal [in lawns and golf courses]. 027851
Test on important physical and *mechanical* **strength** properties of hardwoods in Taiwan. 2. 025275
Mechanically **ventilated** livestock buildings. 029866

MECHANIZATION

Prospects of *mechanizing* the **after-harvest** treatment and storage of cereal seeds. 027511
Industrial [horticultural] crop production *[Mechanization* and **automation].** 027608
Mechanization in the **care** of melon crops. 030064
A joint solution of problems of **complex** *mechanization* of forestry operations [Council for Mutual Economic Assistance]. 025462
Complex *mechanization* of operations in culture of spruce seedlings. 030081
Development of **complex** *mechanization* of forest regeneration in the zone of excess soil moisture. 030082
Influnece of varied soil cultivation and sowing speeds on yields of agricultural crops [Cereals, **culture,** *mechanization].* 027530
Long-distance transfer of data and *mechanized* **data** processing in sugar industry. 022757
Cattle barns and their *mechanization* **[Designs].** 029954
The advancement of *mechanization* of **drainage** works in Estonia. 030721
Transport operations in **greenhouses** *[Mechanization].* 030068
The evaluation of potato varieties for suitability for *mechanized* **harvesting.** 027841
The *mechanization* of **harvesting** fine-fiber varieties of cotton. 030072
Mechanization of **hillside** operations in agriculture (review). 030128
Mechanized **irrigation** of cotton with semirigid pipelines. 030070
Recent developments in *mechanization* and **labour** utilization in bulb forcing. 021235
Better organization for drying of flax bolls *[Mechanization,* **linseeds].** 030154
Mechanization of **logging** operations in the taiga zone. 025433
Relations between the *mechanization* and the **mechanical** features of fertilizers. 030102
Project of **new** *mechanized* sheep farm for western Siberia. 030168
Production line for potato preparation and **planting** *[Mechanization].* 030065
The forage beet is now **ready** for *mechanization.* 027402
Development of *mechanization* of **socialist** agriculture in the Czechoslovak Socialist Republic and main tasks of research in the field of agricultural engineering. 030126
The *mechanization* of **vegetable** harvesting. 030014

MECOPTERA

Sense organs on the antennal flagellum of two species of **scorpionflies** *(Mecoptera)* [Panorpa dissimilis, Bittacus chlorostigma]. 029387

MEDICAGO

Effects of chopping ensilaged **alfalfa** *(Medicago* sativa L.) and the conservation process on the feeding behavior of sheep. 023918
The selective control of grasses in red clover (Trifolium pratense) and **lucerne** *(Medicago* sativa) crops by carbetamide and propyzamide. 028606
Environmental physiology, modeling and simulation of alfalfa growth. Conceptual development of SIMED **[Simulation** of *Medicago].* 027041

MEDICAL

Changing food and *medical* **beliefs** and practices in a Guatemalan community. 022076
Nutritional and *medical* **evaluation** of sugar exchange materials in oral and parenteral application. 022173
Medical and **toxicological** research on dieldrin and related compounds. 029096
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [**Veterinary** *medical* diagnostic techniques]. 024368

MEDICINE

Effect of **antiparasitic** *medication* in ponies on pasture. 024583
Forest habitat types on the *Medicine* **Bow** National Forest, southeastern Wyoming: preliminary report [Plant communities]. 025927
Scientific bases for using inorganic and organic selenium compounds in *medicine* [Includes **human** nutrition]. 022219
Use of vitamin E in *medicine* [Includes **human** nutrition]. 022221
Studies on **Indian** *medicinal* plants. XXXVI. New D:Ecis neohopane derivatives from Alangium lamarckii. 026850
Residues of [antibiotic] drugs in eggs after *medication* of **laying** hens for eight days. 021832
Phytotherapy in the German Federal Republic *[Medicinal* **plants].** 026783
Preliminary studies on the viricide and antivirus action of some *medicinal* **plants** of the Congo, Brazzaville. 026785
Application of polarography to the determination of *medicinal* **substances** added to animal feeds. 023036
Persistence of tetracycline activity in *medicated* **syrup** stored in honeybee [Apis mellifera] colonies in late spring. 029822
An anti-leukemic substance from a **Taiwan** *medicinal* plant [Drymaria cordata]: Cordacin. 026589
Veterinary *medicine* and the sciences of administration and organization. 024295
Drug interactions **[Veterinary** *medicine].* 024300
Small animal literature index **[Veterinary** *medicine].* 024335
The defence rights **[Veterinary** *medicine].* 024354
Specialization in **veterinary** *medicine:* viewpoint of a general practitioner. 024357
Specialization: when, where, how **[Veterinary** *medicine].* 024358
The implications of specialization in *medicine* [Includes **veterinary** medicine]. 024359
Analysis of scientific activity in **veterinary** *medicine* from 1972 to 1974 in German-speaking areas based on title bibliography information service in veterinary medicine. 024362
Ethics and academia **[Veterinary** *medicine].* 024377
"Housecall service available" **[Veterinary** *medicine].* 024378
Deeper collaboration in **veterinary** *medicine* among the Mutual Economic Assistance countries participating in increasing animal production and protection of human health. 024383
Selenium-tocopherol in **veterinary** *medicine.* 024391
The logical use of anitbiotics **[Veterinary** *medicine].* 024619
Residual group [Anthelmintics, **veterinary** *medicine].* 024734
Miconazole nitrate: a new antifungal agent **[Veterinary** *medicine].* 024779

MEDULLA

Prostaglandin synthesis in rabbit **renal** *medulla.* 023583

MEGACHILE

Alfalfa flower color associated with differential seed set by leaf-cutter bees *[Megachile* **pacifica,** insect pollinators, selective visitation]. 026887
Characterization of DNA from three bee species [Apis mellifera, Apis cerana, *Megachile* **rotundata].** 029836

MEGACHILIDAE

Osmiinae from the Canary Islands (Insecta: Hymenoptera: *Megachilidae)* **[New** taxa, Osmia. 029692

MEGOURA

Corpus allatum activity and wing determination in *Megoura* **viciae.** 029454

MEIOSIS

Influence of low temperatures on *meiotic* **abnormalities** in soft spring wheat. 026144
Response to moisture of pollen mother **cell** *meiosis* in Coffea abeokutae Crames. 026025
Meiotic **chromosome** pairing in triploid hybrids of Gossypiumhirsutum L. [Cotton] with wild Australian species. 026103
Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae [yeasts]: *meiosis* with **defective** ascospore wall formation. 026197
Membrane-bounded cisternae associated with the chromosomes at **first** *meiotic* metaphase in microsporocytes of Rhoeo spathacea. 026240
Electron microscopic observations on the *meiotic* **karyotype** of diploid and tetraploid saccharomyces cerevisiae [Yeasts]. 026236
Cytology of Oomycetes. Evidence for *meiosis* and **multiple** chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378
Investigations on valence crosses in rye (Secale cereale L.). IV. *Meiotic* **pairing** and seed setting in tetraploid hybrids. 026094
Meiotic **pairing** between single chromosomes of diploid Agropyron elongatum and decaploid Agropyron elongatum in Triticum aestivum [Wheat]. 026124
Preparation of grasshoppers [Chorthippus brunneus] for **studies** of *meiosis.* 029352

MELAMPODIUM

New melampolide sesquiterpene lactones from *Melampodium* **leucanthum.** 026750

MELANAGROMYZA

Study on timing application of some insecticides for control of bean **fly** *(Melanagromyza* phaseoli Coq.). 028888

MELANISM

Melanism and **climate.** I. Study of the variation of the marble white butterfly, Melanargia galathea (Lepidoptera, Satyridae), in France. 029238

MELANOPLUS

Variation in food preferences of three grasshopper species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, *Melanoplus* **foedus,** Alocara elliotti, forage plants, pests]. 028704

MELANOPUS
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of imported parasites of **Oulema** *melanopus* (L.) indicating species, release and recovery sites, and countries of origin. 028712

MELANOSIS
Induction of *melanotic* **tumors** in larvae of Drosophila affinis parasitized by the wasp, Pseudeucoila bochei. 029425

MELANOTUS
Seasonal vertical movement of wireworm larvae in Missouri: influence of soil temperature on the **genera** *Melanotus* Escholtz and Conoderus Escholtz [Maize]. 028711

MELANOXYLON
Neoflavanoids of **Dalbergia** *melanoxylon.* 027334

MELASTOMACEAE
Melastomataceae **[Taxonomy].** 025696

MELATONIN
Mode of secretion of **pineal** *melatonin* in the chicken. 023417

MELIA
Nutritive value of neem seed **cake** *(Melia* indica) [Cattle]. 023746

MELINIS
Effects of three forest species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, *Melinis* **minutiflora,** reclamation]. 025013

MELIPONA
Contribution to the study of *Melipona* **beecheii** B. (Hymenoptera, Apidae), a bee of Mexico: caste determination in the Meliponini. 029740

MELIPONINI
Contribution to the study of Melipona beecheii B. (Hymenoptera, Apidae), a bee of Mexico: caste **determination** in the *Meliponini.* 029740

MELITAEA
Note on *Melitaea* **phoebe** Denis & Schiff. 029624

MELOCACTUS
Grafting cacti **[Mammillaria,** *Melocactus].* 027807

MELOIDOGYNE
Response of soybean cultivars to meloidogyne incognita and to the combined effects of *Meloidogyne* **arenaria** and Sclerotium rolfsii [Nematodes]. 028419
Preliminary attempts to reduce root knot nematode *[Meloidogyne* **hapla]** infestations on Chinese gooseberry roots. 028424
Interaction of Corynebacterium michiganense [bacterial canker] and *meloidogyne* **incognita** [root-knot nematode] on tomato. 028147
Linkage and allelic relationships among genes for resistance in tomato (Lycopersicon esculentum) against *Meloidogyne* **incognita** [nematode]. 028343
Effects of rate and depth of application of nematicide on nematode *[Meloidogyne* **incognita]** vertical distribution and tomato production in a sandy loam greenhouse soil. 028345
Isolation, purification and characterization of a trypsin-like protease from the root-knot nematode, *Meloidogyne* **incognita.** 028404
Effect of inoculum level and plant age on pathogenicity of *meloidogyne* **incognita** and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. 028418
Response of soybean cultivars to *meloidogyne* **incognita** and to the combined effects of Meloidogyne arenaria and Sclerotium rolfsii [Nematodes]. 028419
A resistant response of citrus roots to the root-knot nematode, *Meloidogyne* **javanica.** 028390
Soil treatments for control of rootknot **nematode** *(Meloidogyne* incognita) in greenhouse grown cucumber. 028366

MELOLONTHA
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle *[Melolontha* **hippocastani,** pest of pine trees] in the Mari Autonomous Soviet Socialist Republic. 028950

MELOLONTHIDAE
A new Lepidiota [spinipennis] from Sumatra **(Coleoptera,** *Melolonthidae).* 029560
New Macrodactylini **(Coleoptera,** *Melolonthidae).* 029570
Two new Holotrichia [heterotincta, Holotrichia semitomentosa] from Ceylon **(Coleoptera,** *Melolonthidae).* 029578
Contribution to the study of Neotropical Pachydemini (Coleoptera, Scarabaeidae, *Melolonthinae)* [New taxa]. 029564
Identification tables of the species of genus Phyllophaga harris and its subgenus Phytalus Er. (Coleoptera, *Melolonthidae)* [New taxa]. 029565
New *Melolonthidae* and Rutelidae from the Zoological State Collection, Munich. 029571
New Sericinae from Africa and India (Coleoptera, *Melolonthidae)* [New taxa]. 029575
Two new Anomala [keralensis, Anomala minutissima] species (Coleoptera, *Melolonthidae,* **Rutelinae).** 029577
Monograph of Dynastinae (Coleoptera, *Melolonthidae).* 4. **Tribe:** Pentodontini of the Ethiopian Region. II. [New taxa]. 029566

MELONGENA *see* **SOLANUM**

MELONS
Mechanization in the care of *melon* **crops.** 030064
Melon **flies** [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with gamma irradiation in a nitrogen atmosphere. 028868
Gamma irradiation of the *melon* **fly** [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in male annihilation of *melon* **fly** [Tested in a macadamia orchard]. 028873
Gamma irradiation of the melon fly *[melon* **insect** pests, control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
A *melon* **pickup** machine for reducing onerous labor. 030140
The size and weight of *melon* **seeds** as parameters of their vigor [Germination]. 027176

MELTING
Effect of ice storage on microbiological and chemical changes in shrimp and *melting* **ice** in a model system. 021922
Snow research and predicition of **snow** *melt* runoff in Minnesota. 030709

MEMBRACIDAE
Relative growth in some species of *Membracidae* **(Homoptera:** Insecta). 029558
Defense in two pre-social membracids [Tree insects, biological control] (Homoptera: *Membracidae)* **[Platycotis** vittata, Umbonia crassicornis]. 028227

MEMBRANES
Viral release and *membrane* **acquisition** by budding through the nuclear envelope of hemocytes of the gypsy moth, Porthetria dispar. 029431
Organization of an **actin** *filament-membrane* complex. Filament polarity and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. 023497
A study of the action of the cationic proteins from rabbit polymorphonuclear leucocytes on the staphylococcal **cell** *membrane* [Staphylococcus aureus]. 023316
Cationic dependency of high affinity prostaglandin F2alpha receptors in bovine corpus luteum **cell** *membranes.* 024037
Influence of culture conditions on growth of FL-74 cells and feline oncornavirus **cell** *membrane* associated antigen production. 024542
Ultrastructure of Agaricus sylvicola and Agaricus bisporus [musroom] **cell** *membrane* evolution during fruit body development. 025973
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and proteins of **chloroplasts** and *membranes.* 026933
Membrane-bounded **cisternae** associated with the chromosomes at first meiotic metaphase in microsporocytes of Rhoeo spathacea. 026240
Ultrastructure of the **cuticular** *membranes* of the developing wheat grain. 025993
Arrangement of the subunits in solubilized and *membrane-bound* **cytochrome** c oxidase from bovine heart. 023477
In vitro hatching of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the **egg** *membranes* [Sheep]. 024789
Structure and formation of **egg** *membranes* in Aedes aegypti. (L.) (Diptera: Culicidae). 029388
Change in permeability of **erythrocyte** *membranes* in rodents caused by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. 022133
Characterization of the terminal stages of chlorophyll(ide) synthesis in **etioplast** *membrane* preparations [from maize and barley]. 026904
Enzymes *[Membrane* **fermentors** and reactors]. 022450
Fibrin *membrane* endowed with biological function. II. Chloroplast adenosine triphosphatase embedded in fibrin membrane. 026394
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. II. **Flagellar** *membranes* and the agglutination reaction. 026199
Reconstitution of pig lymphocyte plasma membranes from solubilized components, with particular reference to *membrane-associated* **immunoglobulins.** 023285
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium **ions]-activated** *membrane* ATPase [adenosine triphosphatase] in cattle red cells. 023411
Temperature dependence of chlorophyll a fluorescence in relation to the physical phase of *membrane* **lipids** in algae and higher plants. 026794
Biochemical properties of **mitochondrial** *membrane* from dry pea seeds and changes in the properties during imbibition. 027261
Raising the oxytetracycline speculum in the bronchial **mucous** *membrane* of swine by simultaneous administration of Bromhexin (Bisolvon). 024364
Dermoid cystectomy on **nictitating** *membrane* in a Hariana bull calf. 024316
Detection of twelve mycotoxins in mixed animal feedstuffs, using a **novel** *membrane* cleanup procedure. 023044
Characterization of **nuclear** *membranes* and endoplasmic reticulum isolated from plant tissue [Onions]. 027193
Junctions in the central nervous system of the cat. V. The junctional complex of the **pia-arachnoid** *membrane.* 023362
Reconstitution of pig lymphocyte **plasma** *membranes* from solubilized components, with particular reference to membrane-associated immunoglobulins. 023285
Dictyostelium [discoideum, cellular slime mold] aggregate-less mutant **plasma** *membranes.* 026559
Sterol composition of **plasma** *membrane* enriched fractions from maize coleoptiles. 027035
Color removal from kraft effluent by ultrafiltration with new **polymeric** *membranes* [Pollution]. 030968
Membrane **potential** changes induced by 5-hydroxytryptamine in the rabbit superior cervical ganglion. 023327
Membrane **processing** [Food applications]. 022458
Whey and skim milk *[Membrane* **processing].** 022578
Transfer of proteins across *membranes.* II. **Reconstitution** of functional rough microsomes from heterologous components [Dog pancreas]. 023500
Technical procedures for the basis of *membrane* **separation** [Food]. 022439
Development of intracellular oil globules and a *membrane* **structure** surrounding the core lipids in the yeast Lipomyces starkeyi. 026590
The effect of *membrane-active* **substances** and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, Botrytis cinerea]. 028026
Ultrastructure of *membrane-complex* **systems** in [the cultivated mushroom] Agaricus bisporus. 026014
Role of *membrane* **systems** in the absorption of calcium by the roots of Vicia faba [broadbeans] (calcicolous) and Lupinus luteus [lupine] (calcufugous). 026704
Subcellular structure of bovine thyroid gland. A study on bovine **thyroid** *membranes* by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. 023290
The cleaning of tubular **ultrafiltration** *membranes* [of whey]. 022576
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial outer **unit** *membrane* [Leptospira interrogans canicola]. 024530
Studies on the effects of alcohols on *membrane* **water** permeability of Nitella [Algae]. 026822

MEMORY
In *memoriam:* H. A. **Dingemans** [Veterinarians]. 024371
In *memoriam:* Dr. **Gijsbert** Goedbloed [Veterinarians, Netherlands]. 024369
Julius Kuhn, **im** *memory* of the founder of modern phytopathology. 028331
In *memoriam:* **James** William MacBain Cameron [Entomologists]. 029424
In *memoriam:* **Jan** Stapel [Veterinarians, Netherlands]. 024372
In *memoriam:* E. **Vleming** [Veterinarians]. 024370

MENINGITIS
Meningitis and **granulomatous** chorio-ependymitis in cats. 024715

MENINGOENCEPHALITIS
Isolation of IBR [infectious bovine rhinotracheitis] virus from a **heifer** with *meningoencephalitis.* 024706

MENSURATION
Auxometric investigations on beech groves of the Gargano [Fagus, **forest** *mensuration].* 025102
Auxometric investigations on the Turkey oak [Quercus cerris] of the Gargano **[Forest** *mensuration].* 025103
Single-entry tables, an important instrument, but a source of serious errors **[Forest** *mensuration].* 025104
Volume table for Eucalyptus grandis **[Forest** *mensuration].* 025159

MENTHA
Effect of age of plant on the quality of essential oil of **peppermint** *(Mentha* piperita Linn). 026607

MENUS
Basic labor productivity measures for popular **breakfast** *menu* items [Food service industry]. 022157
Menu **fare** grows with America's spirit. 022361
Menu **loved** in December as listed in May. 022113
Bagels for the bicentennial [School **lunch** *menus].* 022091
From out of the past — *menus* for today. 022317
Winter corn can butter up *menu* **profits.** 022316
A computer-tallied [hospital] *menu* **system.** 022117

MERCAPTOETHANOL
Specific inhibition of sclerotium formation by *2-mercaptoethanol* and **related** sulfhydryl compounds in Sclerotium rolfsii[Fungi]. 026456

MERCATOR
The **Claas** *Mercator* 60 [harvester-thresher]. 030041

MERCHANDISE
Merchandising **frozen** entrees that are distinctively yours. 022318
Retailing florist crops through **mass** *merchandising* outlets: Rochester, New York and Hartford, Connecticut. 022862

MERCURY
Mercury **analyses** of Michigan corn [Swine feed ingredient]. 023069
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, *mercuric* **chloride,** and cadmium chloride in male and female mice. 024156
Mercuric **chloride** uptake by eggs of the ricefish and resulting teratogenic effects [Pollutants of aquatic environments]. 030813
The transference of **dietary** *mercury* to the eggs in chickens. 023931
Metabolism and toxicity of cadmium, *mercury,* and **lead** in animals: a review. 024969
Distribution and removal of added *mercury* in **milk** [Food contamination]. 021917
Collaborative study on the determination of trace elements in dried sugarbeet pulp and **molasses.** 1. *Mercury.* 022859
The effects of *mercury* on the **photosynthesis** and growth of estuarine and oceanic phytoplankton [Algae]. 028372
Pollutant *mercury* and sedimentation in the western basin of Lake Erie. 030949
Mercury **residues** in breast muscle of wild ducks, 1970-71. 030944
The behaviour of *mercury* in the **system** water-fish. 030815
Total *mercury* levels in selected human tissues, Idaho—1973-74. 030945
Tracing *mercury* in a biosphere [Air pollution]. 030799

MERISTEMS
Variation of *apical-meristem* **cell** size in mutant peas. 026147
Meristem **culture** for the production of virus-free Prunus. 028186
Viruses and *meristem* **culture** of Nerine. 028208
Morphogenesis in Selaginella [willdenovii]. III. *Meristem* **determination** and cell differentiation. 026536
Polyadenylated RNA from Vicia faba [broadbeans] *meristematic* **root** cells. Localization and size estimation of the poly(A) segment. 027170
Influence of powdery mildew [Erysiphe graminis] on mitotic cell division of apical **root** *meristems* of barley. 028046
Initiation of primary **thickening** *meristem* in Dioscorea glabra Roxb. 026531
In vitro culture of some hybrid cultivars of Weigela **(Thun)** from *meristems.* 027150

MERMITHIDAE
Establishment and recycling of a *mermithid* **nematode** [Reesimermis nielseni] for the control of mosquito larvae [Anopheles crucians]. 029040

MEROMYOSIN
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. Fine structure and reaction after **heavy** *meromyosin* incubation [Rabbits]. 023360

MERTENSIANA
Sexual reproduction of mountain hemlock **(Tsuga** *mertensiana).* 025181

MESENCEPHALON
Vocal reactions of chickens to different parameters of electrical **stimulation** of *midbrain.* 023524
Evidence for direct projections between the *ponto-mesencephalic* **tegmentum** and the visual cortex in the cat as revealed by the horseradish peroxidase technique. 023350

MESENTERY
Mesenteric **baroreceptors** [Cats]. 023221
Application of the direct fluorescent antibody technique for the detection of Salmonella in the *mesenteric* **lymph** nodes of normal slaughter pigs. 024416
Effects of temperature on the responses to noradrenaline, isoprenaline and histamine on isolated **rabbit** *mesenteric* artery. 023408
Mesenteric **thrombosis** [Horses, Strongylus vulgaris]. 024615

MESOCARP
Analysis of *mesocarp* and **kernel** oils from the American oil palm and F1 hybrids with the West African oil palm. 022789

MESODERM
Amino acid composition of keratins of chimeric neoptile feathers resulting from **heterospecific** *ecto-mesodermal* recombinations between the chick and the duck. 023348

MESOPHYLL
Biophysical characterization of *mesophyll* and **bundle** sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of *mesophyll* and **bundle** sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600
Inclusions in *mesophyll* **cells** induced by a virus causing chlorotic streaks on leaves of Allium porrum L. [Leeks]. 028254
Isolation and culture of *mesophyll* **protoplasts** of Hyoscyamus niger L. var. annuus Sims. 026560
Photosynthesis in *mesophyll* **protoplasts** and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Microfibril synthesis at the surfaces of isolated **tobacco** *mesophyll* protoplasts, a freeze-etch study. 026059

MESOSTIGMATA
Fine structure of vas deferens wall in the mite, Pergamasusviator Halas, *(Mesostigmata,* **Parasitidae).** 029191

MESQUITE
The *mesquite,* a **forage** tree, a wealth which should be utilized better [Prosopis juliflora, also a source of wood and gum, Colombia]. 027860
Bionomics of Sibinia sulcatula (Coleoptera: Curculionidae) on *mesquite* **[Prosopis** glandulosa] in Texas. 028793

MESSOR
Some notes on the aggressive behavior of the **ant** *Messor* barbara L. 029382

METABOLISM
Ascorbic acid in cholesterol and bile **acid** *metabolism.* 022023
Changes in ascorbic **acid** *metabolism* of the offspring following high maternal intake of this vitamin in the pregnant guinea pig. 022027
Relationships of protein and mineral intake to L-ascorbic **acid** *metabolism,* including considerations of some directly related hormones. 022042
Development of self-incompatibility in Petunia [hybrida] using inhibitors of protein and nucleic **acid** *metabolism.* 027168
Tryptophan and indole-3-acetic **acid** *metabolism* by Rhizobiummeliloti [Root nodule bacteria]. 030270
Skeletal buffering of **acute** *metabolic* acidosis [Dogs, cats]. 023226
Metabolism of the **amino** group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled ammonium sulfate. 026975
Functional interrelations of vitamins E and K in **animal** *metabolism* [Nutrition]. 023945
On the control of **arginine** *metabolism* in chicken kidney and liver. 023394
Metabolism of **arginine** and ornithine in the cow and rabbit mammary tissue. 023509
Chemistry and *metabolism* of **ascorbic** acid and ascorbate sulfate. 022028
Metabolism of **ascorbic** acid and ascorbic-2-sulfate in man and the subhuman primate. 022039
Biosynthesis and *metabolism* of **ascorbic** acid in plants. 026367
Ascorbic-2-sulfate *metabolism* by human fibroblasts. 022024
Asparagine *metabolism*—key to the nitrogen nutrition of developing legume seeds [White lupins]. 027016
Metabolic and **behavioral** consequences of a short period of malnutrition in the neonatal life of the rat and pig. 024880
Metabolic **behaviour** of water-soluble fluorescent whitening agents in the rat and bean plant. 023389
Metabolism of **3beta-hydroxy-5alpha-** and 3beta-hydroxy-5betapregnan-20-one by leaf homogenates. 026748
Metabolism and **biological** activity of cis-and trans-phylloquinone in the rat [Vitamin K]. 022140
The effect of exercise on **calcium** *metabolism* in horses. 023617
Studies on the enzyme system of **carbohydrate** *metabolism* in fish. II. Purification of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022410
Studies on the enzyme system of **carbohydrate** *metabolism* in fish. III. Properties of glucose-6-phosphate dehydrogenase and glucose dehydrogenase. 022411
Effects of ochratoxin A on **carbohydrate** *metabolism* in rats [Aspergillus ochraceus]. 024959
The effect of growth-regulating substances on *metabolism* of **carbohydrates** in cotton plant organs. 026972
Some aspects of absorption, translocation and *metabolism* of 14C **[carbon** isotope]-picloram in gorse [Ulex europaeus]. 028569
Effects of hemiacetal of chloral and starch on the performance of beef steers **[Cattle** *metabolisms].* 023454
Role of antioxidant activity of lipids in **cell** *metabolism.* 022218
Effect of growth regulating substances on germination and **certain** *metabolic* changes in pea. 027177
Physiological studies of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some *metabolic* **changes** taking place in the fruit during cell division. 027298
Labile nitrogen reserves in the ruminant. *Metabolic* **changesin** growing cattle employing a nitrogen depletion-repletion treatment. 023536
Sulphate uptake and *metabolism* in the **chrysomonad,** Monochrysis lutheri [Yellow-green alga]. 026381
Ascorbic acid function and *metabolism* during **colds.** 022022
Function of ascorbic acid in **collagen** *metabolism.* 022035
Effects of chronic ethanol intake on *metabolic* **conversions** of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or groundnut oil. 022144
Metabolizable **[dietary]** energy determinations with adult chickens. 023822
Antiarrhythmic, Haemodynamic and *metabolic* **effects** of 3alpha-amino-5alpha-androstan-2beta-ol-17-one hydrochloride in Greyhounds following acute coronary artery ligation. 023320
Consequences of disturbance of **endogenous** *metabolism* of urea in fattened bulls. 024920
Metabolizable **energy** of feedstuffs for trout. 023058
Effects of hypoxia of 10-45 seconds duration on **energy** *metabolism* in the cerebral cortex of unanesthetized and anesthetized rats. 023184
Calcium-related changes of enzyme activities in **energy** *metabolism* of cultured embryonic chick myoblasts and myotubes. 023392
Influence of **energy** *metabolism* on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast [Saccharomyces cerevisiae]. 026824
Studies on the **energy** *metabolism* during the respiratory process by Baker's Yeast [Saccharomyces cerevisiae]. 026825
Metabolism of **environmental** pollutants by the isolated perfused lung [Rabbits]. 030890
Studies on avian [chicken] **erythrocyte** *metabolism.* I. Procedure for separation and quantitation of the major phosphorylated metabolic intermediates by anion exchange chromatography. 023378
Fat *metabolism* in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a complex lipid mixture [Potatoes]. 027114
Fat *metabolism* in higher plants: metabolism of medium chain fatty acids [Avocados]. 027214
Metabolism of **flavonoids** [in higher plants and microorganisms]. 026577
Vitamin B12 *metabolism* in the **fruit** bat (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. 022061
Compartmentation and regulation of **fungal** *metabolism:* genetic approaches. 026085
Fungal *metabolism* of trans-2-octenoic acid [by Mucor]. 026341
Gas *metabolism* in ovine rumen cultures on a nitrogen-deficient medium. 023357
Fluorocarbons and **general** *metabolism* in the rat, rabbit, and dog. 023664
Effects of quantity and quality of dietary protein and variation in certain enzyme activities on **glucose** *metabolism* in the rat. 022137
Quantitative aspect of the endogenous urea cycle in **goats** *[Metabolism].* 023570
Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, liver function, and **hepatic** *metabolism* in cats. 023183
Effects of glucagon and insulin on net **hepatic** *metabolism* of glucose precursors in sheep. 023208
Metabolic and **histopathologic** changes in arteriosclerotic versus nonarteriosclerotic rats following isoproterenol-induced myocardial infarction with superimposed diabetes. 022162
Metabolic **inhibition** and adrenoceptor interconversion [Rabbits]. 023262
Effects of mazindol [anorectic agent] on carbohydrate and **insulin** *metabolism* in obesity. 022160
Rumen bacteria and their *metabolic* **interactions.** 023427
Comparison of **intra-uterine** *metabolism* of prostaglandin F2alpha in ovine and human pregnancy. 023514
Metabolism of **isoxathion,** O,O-diethyl O-(5-phenyl-3-isoxazolyl)-phosphorothionate in plants [beans, cabbage, Chinese cabbage]. 027099
Lindane *metabolism* in lettuce under controlled and natural conditions. 029136
Cellular development and **lipid** *metabolism* of lamb adipose tissue. 023627
The effects of choline and inositol on hepatic **lipid** *metabolism* and the incidence of the fatty liver and kidney syndrome in broilers [Chickens]. 024829
Lipid *metabolism* during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
The *metabolism* of **lipids** in mouse pancreatic islets. The oxidation of fatty acids and ketone bodies. 023292
The *metabolism* of **lipids** in mouse pancreatic islets. The biosynthesis of triacylglycerols and phospholipids. 023293
Metabolism of **liquid** whey fed to sheep. 023768
The effects on **liver** *metabolism* of administering excesses of biotin to immature pullets and laying hens. 023341
Plutonium in mammals: influence of plutonium chemistry, route of administration, and physiological status of the animal on initial distribution and **long-term** *metabolism.* 023419
Metabolic **management** of the horse with an acute abdominal crisis. 024869
Fat metabolism in higher plants: *metabolism* of **medium** chain fatty acids [Avocados]. 027214

Microbial *metabolism* in soil. 030215
Effects of low and high protein diets on the induction of **microsomal** *drug-metabolizing* enzymes in rat liver. 022136
Transport mechanism in soil. *Metabolism* and **movement** of insecticides from soils into water and crop plants. 030330
Inducibility of **mucosal** *drug-metabolizing* enzymes of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Uptake, translocation, and *metabolism* of [the **nematicide**] Tirpate in tobacco Nicotiana tabacum. 028378
Digestible, *metabolizable* and **net** energy values of corn grain and dehydrated alfalfa in sheep. 023759
Effect of energy sources on plasma insulin and **nitrogen** *metabolism* in sheep totally nourished by infusions. 023760
Nitrogen *metabolism* and digestibility of feeds in Thornber hybrid and Belgian Landrace swine. 023912
Quantitative investigations on the **nitrogen** *metabolism* in higher plants. I. Mathematical models of nitrogen-metabolism of Vicia faba [Broadbeans]. 027141
Effects of exogenous supply of glucose or cycloheximide on **nitrogen** *metabolism* of cut Iris germanica L. flowers. 027226
Study of **nitrogen** *metabolism* of Pinus halepensis Mill.: arginase. 027309
Chicken neutrophils: **oxidative** *metabolism* in phagocytic cells devoid of myeloperoxidase. 023620
Effect of maternal sucrose intake on the *metabolic* **patterns** of mature rat progeny. 021998
Metabolism of **phenylalanine** in Aspergillus sojae [Fungi]. 026344
Effects of lalpha-hydroxy- vitamin D3 and 1,25-dihydroxy- vitamin D3 on calcium and **phosphorus** *metabolism* in hypoparathyroidism. 022159
Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the major **phosphorylated** *metabolic* intermediates by anion exchange chromatography. 023378
Metabolism of some **possible** ecdysone precursors in Calliphora stygia. 029414
The *metabolism* of **p,p'-DDE** [dichlorodiphenyl dichloroethylene] in laying Japanese quail and their incubated eggs. 024946
The composition and **protein** *metabolism* in the immature rabbit intervertebral disc. 023364
Relationship between carbohydrate-, fat-and **protein** *metabolism* [Livestock feeding]. 023797
Purine *metabolism* pathway in Drosophila melanogaster cells grown in vitro: utilization of adenosine. 029273
Metabolism of **radioactive** antheridiol by Achlya species [Water molds]. 026379
Experimental studies on the absorption of zinc from different parts of the small intestine and various Zn compounds [**Rats,** *metabolism].* 023601
Ascorbic acid requirements and *metabolism* in **relation** to organochlorine pesticides [Toxicity, animals]. 023241
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of **respiratory** *metabolism* and energy utilizing enzymes of photosynthetic pathways. 026864
Metabolic **response** of animals exposed to several atmospheric pressures [Rats]. 023635
The effect of seawater on the *metabolism* of some **seashore** and inland mosses [Grimmia maritima, Grimmia pulvinata, Tortella flavovirens, Ulota phyllantha]. 026694
Short-term *metabolic* control of appetite in dairy calves [Feeding]. 023616
Effects of pesticides and related compounds on **steroid** *metabolism* and function. 029092
Metabolic **studies** of [75Se]selenocystine and [75Se]selenomethionine in the rat. 022057
Metabolic **studies** on the development of ethanol-induced fatty liver in KK-Ay mice. 022139
Germination, seedling growth and **sugar** *metabolism* of two species of Brassica under polyethylene glycol (PEG) induced water stress. 026906
Metabolism of [**systemic** insecticide] thiofanox in cotton plants [Residues]. 029110
Distribution and *metabolism* of **thiamine** disulfide in rat organs. 022211
Metabolism and **toxicity** of cadmium, mercury, and lead in animals: a review. 024969
The predominant role of calcium [in the **tree** *metabolism]* as an indicator in storage disorders in Cleopatra apples [Physiological diseases]. 028382
Tryptophan *metabolism* of Phycomyces blakesleeanus. I. Elucidation of the pathway of indoleacetic acid biosynthesis [Fungi]. 026413
Tryptophan *metabolism* of Phycomyces blakesleeanus [Fungi]. II. The biosynthesis of nicotinic acid. 026414
Urea *metabolism* in the llama [Feeding]. 023724
Quantitative investigations on the nitrogen metabolism in higher plants. I. Mathematical models of *nitrogen-metabolism* of **Vicia** faba [Broadbeans]. 027141
The in **vivo** *metabolism* of [14C [carbon isotope]] histamine during pentagastrin-stimulated acid secretion in the cat. 023555
Water *metabolism* in the llama [and goat]. 023380
Metabolism of **wine** yeasts according to storage conditions [Fermentation]. 022994

METABOLITES
Distribution of ascorbic acid, *metabolites* and **analogues** in man and animals. 022031
Three **antimicrobial** *metabolites* from Aspergillus caespitosus [Fungi]. 026461
Screening of new **biogenic** *antimetabolites* using prokaryotic and eukaryotic microbial models [Includes Neurospora crassa, fungi. 026416
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and **blood** *metabolites* [Dairy cows]. 023774
Neoechinulin D, a new isoprenylated **dehydrotryptophyl** *metabolite* from Aspergillus amstelodami [Fungi]. 026561
Some problems of homeostasis of **haemolymph** *metabolites* in the locust [Locusta migratoria]. 029418
The structure of two **new** *metabolites,* emerin and emericellin, from Aspergillus nidulans [Fungi]. 026351
Studies on the leaf blight of rice plant. III. A *metabolite* of the **pathogenic** bacteria [Xanthomonas oryzae]. 028151
Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and **possible** *metabolites* in monkey fecal samples [Human toxicology]. 029117
Determination of parathion-methyl and its *metabolites* in **samples** from animals and in foodstuffs. 021841
Secondary *metabolites* of Penicillium stipitatum Thom. [Fungi]. I. Substances of tropolone character. 026417
The structures of some **stress** *metabolites* from Solanum melongena [Eggplants]. 027156

METACERCARIA
Appearance of Fasciola cercariae in rice fields determined by a *metacercaria-detecting* **buoy** [Cattle, liver fluke, transmission, snails]. 024653

METALS
Use of sewage sludge on agricultural land and the effects of *metals* on **crops.** 030567
Introduction to **heavy** *metal* toxicity, safety and hormology [Nutritional and toxic effects in humans]. 021874
Safety of **heavy** *metals* as nutritional markers [Mice, monkeys]. 021876
Protective effects of ascorbic acid against toxicity of **heavy** *metals.* 022041
Studies on the dominant-lethal and fertility effects of the **heavy** *metal* compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and female mice. 024156
Toxicology of non-radioactive **heavy** *metals* and their salts [Nutritional and toxic effects on animals]. 024951
A comparative study on characters of **heavy** *metallic* ion-tolerant microorganisms [Soil and water pollution]. 030904
Lubrication of *soil-metal* **interfaces** [Equipment]. 029980
Effect of *metal* **ions** on Trichophyton rubrum culture [Fungi]. 026806
Significance of **trace** *metals* and nitrates in sludge soils. 030253

METAMORPHOSIS
The effect of antibiotics on RNA biosynthesis in tissues of silkworm [Bombyx mori L.) **chrysalis** during *metamorphosis.* 029799
Bursicon release and activity in haemolymph during *metamorphosis* of the **cockroach,** Leucophaea maderae. 029406

METAPHASE
Membrane-bounded cisternae associated with the chromosomes at first **meiotic** *metaphase* in microsporocytes of Rhoeo spathacea. 026240

METAPLASIA
Cerebrospinal fluid pressure and **squamous** *metaplasia* in chronic hypovitaminosis A of the male weanling rat. 023643

METASEIULUS
Influence of temperature on population increase of *Metaseiulus* **occidentalis** (Acarina: Phytoseiidae) [Integrated mite control, Tetranychus mcdanieli, apples]. 028819

METASEQUOIA
Chlorophyll content and plastid ultrastructure in leaflets of *Metasequoia* **glyptostroboides.** 026054

METATARSUS
A *metatarsal* **adhesive** organ of drones of the genus Apis (Hymenoptera: Apidae). 029783

METATHORACIC
Natural products of abdominal and *metathoracic* **scent** glands of coreoid bugs [Coreidae]. 029220

METEOROLOGY
The 1973 Mississippi River basin flood: compilation and analyses of *meteorologic,* **streamflow,** and sediment data. 030697

METEPA
Effects of *metepa* on **emergence,** longevity and reproduction of Earias insulana [Okra, pests]. 028897

METERS
The Massey **Grass** *Meter* [to assess the actual quantity of pasture]. 027398
A pH [hydrogen-ion concentration] *meter* **tester** [Sugarbeet research]. 022828

METHANE
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to **isopropyl** *methanesulfonate.* 024155
New inhibitors of *methane* **production** by rumen micro-organisms. Development and testing of inhibitors in vitro [Sheep]. 023317
New inhibitors of *methane* **production** by rumen micro-organisms. Experiments with animals and other practical possibilities [Sheep]. 023318

METHANOL
Method of determining formaldehyde and *methanol* **extracted** in poly-condensation of resin in hot pressing of particle boards. 025395
Cytochemical localization of catalase activity in *methanol-grown* **Hansenula** polymorpha [Yeasts]. 026377
Pyridine nucleotide-linked oxidation of *methanol* in **methanol-assimilating** yeasts [Pichia pinus, Candida boidianii]. 026625
Microbody of *methanol-grown* **yeasts** [Saccharomyces cerevisiae]. Localization of catalase and flavin-dependent alcohol oxidase in the isolated microbody. 026554
Pyridine nucleotide-linked oxidation of methanol in *methanol-assimilating* **yeasts** [Pichia pinus, Candida boidianii]. 026625

METHIOCARB
The chronic toxicity of *methiocarb* **[pesticide]** to grackles, doves, and quail and reproductive effects in quail. 029089

METHIONINE
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [**carbon** *isotope])methionine.* 026398
Effect of modification of *methionine* side **chains** on the interaction properties of collagen [prepared from calf skin]. 023435
Short-term feeding of *methionine* **hydroxy** analog to beef brood cows: Does it increase calf weaning weights? 023907
Cowpea powders dried with *methionine:* **preparation,** storage stability, organoleptic properties, nutritional quality. 022929
A *methionine* **substitute:** 4-methylthiobutane-1,2-diol [Nutritive value, chicks]. 023747
L-lysine and *DL-methionine* **supplements** in barley-soy pig diets. 023864
Selective changes in *methionine* **tRNA** species during development of the posterior silkglands of Bombyx mori. 029249

METHOXY
Isolation and structure of *1-hydroxy-7-methoxy-4-isopropyl-1,6-dimethyl-2(1H)-naphthalenone* from **cotton.** 026982
Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of tropical (low-DIMBOA) *[2,4-dihydroxy-7-methoxy* **(2H)-benzoxazin-3** (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
Isolation and identification of physcion, *4,5-dihydroxy-7-methoxy-2-methylanthraquinone,* from the **mycelium** of Alternaria porri [Fungi]. 026343

METHOXYCHLOR
Genetic analysis of resistance to DDT, *methoxychlor* and **fenitrothion** in two strains of housefly (Musca domestica). 028971

METHYL
Multiphase kinetics of *3-O-methyl-D-glucose* **absorption** by foliar disks of Pelargonium zonale (L.) Aiton. 026703
Thermal reaction of safflower oil fatty **acid** *methyl* esters in the presence of iodine: identification of reaction products. 022813
Observations on **antrycide** *methyl* sulphate toxicity in Indian cattle and buffaloes. 024962
Movement of *methyl* **2-benzimidazolecarbamate** into soybean seeds after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. 028056
Disinfection [of agricultural products] with *methyl* **bromide** [Residues]. 021890
Mycoflora of pecans treated with heat, low temperatures, or *methyl* **bromide** for control of the pecan weevil [Curculio caryae]. 028057
The fumigation of seeds with *methyl* **bromide.** 028329
Influence of *methyl* **bromide** fumigation on eggplant [toxicity] in relation to fertilization with ammonium sulphate. 028365
Exposure of meat to *methyl* **bromide** during refrigerated-store pest control; residues in beef and lamb and effect on quality. 028985
Ergot alkaloids. III. The isolation of *N-methyl-4-dimethylallyltryptophan* from **Claviceps** fusiformis [Fungi]. 026846
The effects of *methyl* **decanoate** and undecanol on Cotoneaster apiculata. 027291
On the alkaline **degradation** of *2-furfurylidene-10-methyl-trans-1-decalone.* 022418
Drosophilin, a *methyl* **ether** from Mycena megaspora [Fungi]. 026733
Identification of a fruit fly [Dacus (Strumeta) cacuminatus] attractant in an Australian plant, Zieria smithii, as *O-methyl* **eugenol.** 026639

Flavonol *methyl* ethers from Chrysothamnus viscidiflorus. 026739
Oriental fruit fly [Dacus dorsalis]: thickened **formulationsof** *methyl* eugenol in spot applications for male annihilation. 028869
Studies on the *methyl* **green-DNA** complex and its dissociation by drugs [Calf thymus]. 023304
The origin of the *methyl* **groups** of abscisic acid [in avocado]. 027254
Determination of *parathion-methyl* and its **metabolites** in samples from animals and in foodstuffs. 021841
Benomyl *[methyl* **N-(l-butylcarbamoyl)** benzimidazol-2-yl carbamate] residues [Fungicides in crops]. 029146
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphos-methyl, and malathion, and with LV [low-volume] *methyl* **parathion** [on cotton]. 028755
Pirimiphos-methyl as a **protectant** [from insect pests] for stored inshell almonds [Control effectiveness and residues]. 028982
Microbial asymmetric decomposition of *2-oxo-4-methyl-6-ureidohexahydropyrimidine* in **soil.** 030214
The relative importance of monoamine oxidase and *catechol-O-methyl* **transferase** on the physiologic response to administered norepinephrine in the turkey. 023382
TAS method for the detection of *parathion-methyl* and some **transformation** products in organic substances. 029082

METHYLAMINES

Cuticular and cortical modifications of keratinic fibers from **reaction** with *methylamine.* 022661

METHYLATION

Gibberellin-affected *methylation* and synthesis of ribosomal RNA in isolated maize seed scutellum. 027034

METHYLENE

Promotion of softening and ethylene synthesis in Bartlett pears by *3-methylene* **oxindole.** 022960

METHYLMERCURIC

A method for the estimation of *methylmercuric* **compounds** in [food] fish. 021905
Studies on the dominant-lethal and fertility effects of the heavy metal **compounds** *methylmercuric* hydroxide, mercuric chloride, and cadmium chloride in male and female mice. 024156

METHYLTRANSFERASES

The occurrence of *hydroxyindole-O-methyltransferase* **activity** in fetal sheep pineal tissue and its relationship to preparturient endocrine changes. 024130
Effect of amodiaquine on gastric **histamine** *methyltransferase* and on histamine-stimulated gastric secretion [Dogs, swine]. 023323

METRIC

Interaction of genotype with environment for some *metrical* **characters** of cardoon [Cynara cardunculus var. altilis]. 026081
Come on into the *metric* **kitchen** [Cooking measurements]. 022198
The *metrication* **[measurement]** of beekeeping equipment. 029755
Metric-unit **volume** equations for southern pine [Pinus]. 025144

METRITIS

Attempts at treatment of *metritis* in the **mare** by chloramine T solution. 2. Streptococcal metritis. 024702

METROSIDEROS

Shoot blights of ohia and koa *[Metrosideros* **collina** polymorpha, Acacia koa] caused by Calonectria theae. 028075
Ohia *[Metrosideros* **collina]** forest decline [of unknown origin]: its spread and severity in Hawaii. 028450

MEVINPHOS

Effect of night temperature on the toxicity of **field-weathered** *mevinphos* residues to honeybees. 029184

MIASTOR

Q-, C-, and G-banding patterns in the germ-line and somatic shromosomes of *Miastor* **sp.** (Diptera: Cecidomyidae). 029301

MICA

On a deep transformation of *micas* with **galacturonic** acid, and the genesis of sectites in Podzol. 030186

MICE

Prenatal effects of elymoclavine [produced by Claviceps purpurea] administration and temperature stress *[Mice* **abnormalities].** 024859
Enhancement of susceptibility to experimental phycomycosis by agents producing reticuloendothelial stimulation *[Mice,* **Absidia** ramosa]. 024474
Strobilocercus fasciolaris infection in the liver of **albino** *mice* (Swiss mice) used as experimental animal. 024599
Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica **antigens** *[Mice].* 024479
Immunosurgery of *mouse* **blastocyst.** 024670
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred **CBA/J** *mice.* 024802
Effect of isoleucine deprivation on rabbitpox virus DNA synthesis in *mouse* L **cells.** 024602
Synthesis of brain-specific acidic proteins in rat and *mouse* **cerebral** slices. 023190
Binding of polyriboinosinic-polyribocytidylic acid with cultured cells *[Mice,* **chick** embryos, rabbits]. 024419
The *mouse* **chromosome** map. 024071
Centromeric sensitivity of *mouse* **chromosomes** to the systemic insecticide dimethoate (Rogor). 024949
Host-mediated assay and urinary assay with the same *mice* for the **detection** of chemical mutagens in Saccharomyces cerevisiae [Yeasts]. 026093
Vitamin E and sex behavior in *mice* **[Dietary** deficiency]. 022175
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects *[Mice,* **Elasmolomus** sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Thymus dependence of tapeworm (Hymenolepis diminuta) **elimination** from *mice.* 024576
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and mammals [Chick, quail and *mouse* **embryos].** 023351
In vitro and *mouse* **evaluation** of methods for protecting whey protein and casein from ruminal degradation. 023508
An in vitro study on lymphocyte-mediated immunity in *mice* **experimentally** infected with Toxoplasma gondii. 024625
Dieldrin and DDT in the tissues of *mice* **fed** aldrin and DDT for seven generations. 024940
Studies on the dominant-lethal and fertility effects of the heavy metal compounds methylmercuric hydroxide, mercuric chloride, and cadmium chloride in male and **female** *mice.* 024156
A case of polydactyly with multiple thresholds in the *mouse* **[Genetics].** 024190
Penetration of host IgG [Immunoglobulin G] molecles into hydatid cysts *[Mice,* **gerbils].** 024790
The use of laminar flow for obtaining **germ-free** *mice* [Breeding]. 024146
Eimeria falciformis (Eimer, 1870) in specific pathogen freeand **gnotobiotic** *mice* [Laboratory animals]. 024661
Mice in **grape** cultures. 028434
Development of Angiostrongylus cantonensis in rats, *mice* and **guinea** pigs. 024620
Fine structure of Encephalitozoon cuniculi from rabbits, *mice* and **hamsters.** 024613
Using body size to understand the structural design of animals: quadrupedal locomotion *[Mice,* **horses].** 023475
Cross-reactivity patterns of IgM and IgG anti-lipopolysaccharide antibodies in **individual** *mice.* 024513
Experimental studies on "larva migrans". I. Transition of blood picture in *mice* **infected** with Toxocara canis larvae. 024622
The influence of Nematospiroides dubius on subsequent Nippostrongylus brasiliensis **infections** in *mice.* 024665
Metabolic studies on the development of ethanol-induced fatty liver in **KK-Ay** *mice.* 022139
An eye infection in **laboratory** *mice* associated with Pasteurella pneumotropica. 024636
Observations on "late onset disease" and tumor incidence in different strains of **laboratory** *mice* infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different strains of **laboratory** *mice* infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. 024802
Nonequilibration of acetyl units from fatty acids and glucose in mammary glands of **lactating** *mice.* 023511
Embryonic mortality during the pre- and post-implantation periods of pregnancy in **mature** *mice* after superovulation. 024119
Safety of heavy metals as nutritional markers *[Mice,* **monkeys].** 021876
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus giliacus (Mammalia, **Muridae)** *[Mice].* 028994
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred **NMRI** *mice.* 024801
Investigations on the circadian cycle of secretion in the neurosecretory **nuclei** of *mouse.* 023196
Biological and biochemical properties and pathogenicity of Mycobacterium fortuitum of porcine **origin** in *mice.* 024485
The metabolism of lipids in *mouse* **pancreatic** islets. The oxidation of fatty acids and ketone bodies. 023292
The metabolism of lipids in *mouse* **pancreatic** islets. The biosynthesis of triacylglycerols and phospholipids. 023293
Infectious [Scrapie] etiology of neuritic (senile) **plaques** in *mice.* 024717
Effect of cyclophosphamide on rabies infection in *mice.* **Protection** given by serotherapy. 024494
Studies on the renal uptake of vitamin D3 in the *mouse* and the **quail.** 023189
Sulfur content in hairs and skin of different coloured **rabbits** and *mice.* 023683
Suckling-mouse-brain **rabies** vaccine (SMBV): duration of immunity in dogs. 024781
The role of calcium ions in fertilization of *mouse* and **rat** eggs in vitro. 024131
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of *mice.* I. **Relative** sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
The clonal origin of cells contributing to successive phases of a cyclical immune **response** *[Mice].* 024519
Milk yield in *mice* **selected** for growth or maternal ability. 024053
Measurement of the efficacy of coli-adsorbate vaccines. Protection **studies** in *mice.* 024800
Strobilocercus fasciolaris infection in the liver of albino mice **(Swiss** *mice)* used as experimental animal. 024599
Inoculation of Basidiomycetes into *mice:* **tissue** reaction and survival of fungi in tissues. 024649
Antibody suppression by cadmium *[Mice,* **toxicity].** 024939
Note on the occurrence of the mite Myocoptes musculinus (Koch, 1844) (Acarina, Listrophoridae) on **white** *mice* in the states of Sao Paulo and Rio de Janeiro, Brazil. 029000
Carcinogenicity of the food additive furylfuramide in foetal and **young** *mice.* 021954

MICELLE

Cold-disaggregation of the **casein** *micelles* in heated concentrated whey protein-free milk. 022558

MICRASTERIAS

Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and *Micrasterias* **denticulata** Breb. under the influence of actinomycin D and ethidium bromide. I. Light-microscope investigations [Algae]. 026057

MICROALGAE

Actions of *microalgae* in **anaerobic** environments. 026588

MICROANALYSIS

Biological *microanalysis* using EMMA-4 [Dogs]. 023531
Microanalysis and **ecology** [Insects]. 029433
Microanalysis in **routine** work. II. Evaluation of [cereal] proteins. 022815
X-ray *microanalysis* in botany [Barley]. 026981

MICROARTHROPODS *see* ARTHROPODA

MICROBES

Antimicrobial **action** of Pseudomonas on phytopathogenic bacteria. 028138
Microbial **activities** in polluted waters. 030908
Ethylene as a critical regulator of *microbial* **activity** in soil. 030213
Microbial **associations** of soil types. 030261
Microbial **asymmetric** decomposition of 2-oxo-4-methyl-6-ureidohexahydropyrimidine in soil. 030214
Enumeration, concentration, and separation of *microbial* **cells** from natural habitats [Soils, silt, water and other natural habitats]. 030907
Microbial **contamination** of air by activated sludge units. 030987
Persistence of spores of Pleistophora schubergi (Cnidospora: Microsporida) in the field, and their application in *microbial* **control** [Anisota senatoria, Symmerista canicosta, Quercus pests]. 028948
Microbial **degradation** of synthetic organic pesticides in rice soils. 029102
Model tests on the mechanisms of *microbial* **deterioration** of filled vulcanizates. 3. Influence of soil microorganisms on the surface of natural rubber vulcanizates. 022479
Microbial **ecology** and erosion: domestication of soil microbes and erosion of the Plata River basin. 030583
Screening of new biogenic antimetabolites using prokaryotic and **eukaryotic** *microbial* models [Includes Neurospora crassa, fungi. 026416
Microbial **flora** related to the alterations in Italian mortadellas (Bologna) [Sausages, contamination]. 021897
Quantification of lactones in ripening pasteurized milk Blue cheese containing added *microbial* **lipases.** 022590
Microbial **metabolism** in soil. 030215
Microbial **modification** of pesticides. 029103
The use of enzyme preparations of *microbial* **origin** in continous cheese making. 022623
The **rumen** *microbial* ecosystem. 023245
Studies on the techniques of fractionation of bacteria in **rumen** *microbial* ecosystem. 023428
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the **rumen** *microbes* of cattle fed beet pulp. 023576
Biomass and activity of **sessile** *microbes* in a polluted river. 030906
Microbial ecology and erosion: domestication of **soil** *microbes* and erosion of the Plata River basin. 030583
Microbes from **soybeans.** Inhibition of growth by lipoxygenase isoenzyme. 022848

Microbial **standards** for food—a view from New Zealand industry. 021886
Selection and utilization of Bacillus thuringiensis **strainsfor** *microbial* control [of injurious insects]. 028654
Attempt at collaboration of a microbiological method for research on *antimicrobial* **substances** in foods. Application to benzoic and sorbic acids. 021964
Three *antimicrobial* metabolites from Aspergillus caespitosus [Fungi]. 026461
Antigenic independence of some *microbial* **urate** oxidases [Fungi, bacteria, yeasts]. 026611

MICROBIOLOGISTS
Training *microbiologists* for fermentation technology in Japan [Foods]. 022472
The **two-faced** *microbiologists:* contributions of pure and applied microbiology to good research [Fungi, biosynthesis]. 026537

MICROBIOLOGY
The two-faced microbiologists: contributions of pure and **applied** *microbiology* to good research [Fungi, biosynthesis]. 026537
Observations on bovine infectious keratoconjunctivitis in the Ivory Coast. I. *Microbiological* **aspects.** 024640
Microbiological **basis** of phosphate removal in the activated sludge process for the treatment of wastewater. 030938
The *microbiology* and **biogeochemistry** of the Dead Sea [Halobacterium, Sarcina, Dunaliella, Algae]. 026670
Effect of ice storage on *microbiological* and **chemical** changes in shrimp and melting ice in a model system. 021922
A *microbiological* **classification** system for minced meat. 021844
An outline of *microbiological* **contamination** of commercially preserved vegetables during the last 15 years. 021858
Microbiologic **contamination** of bovine semen [Candida tropicalis, fungi]. 024226
Physiocochemical and *microbiological* **evaluation** of commercial tomato pastes. 022882
Microbiological and **fermentative** activity of Gley-Podzol and Krasnozem soils under various moisture content. 030375
Obituaries: Edward F. Baer [**Food,** *microbiology].* 021914
Classification of stream water according to degree of pollution on the basis of *microbiological* **indices.** 030979
Attempt at collaboration of a *microbiological* **method** for research on antimicrobial substances in foods. Application to benzoic and sorbic acids. 021964
Microbiology of **natural** mineral water, a review. 022373
Microbiology of **pale,** dark and normal pork. 021928
Microbiological **problems** in partial and fully cooked and prepared foods. 021834
Effect of potassium fertilizers on the intensity of *microbiological* **processes** and fertility of lowland-type peat-bog soils. 030626
Microbiological **processing** of some natural product effluents. 030909
Microbiological **production** control: Errors, limits and possibilities [Beer manufacture]. 022390
A *microbiological* **profile** of commercially prepared salads. 021919
A survey of the *microbiological* **properties** of packaging materials for food. 022370
Evaluation of sausages with special regard to *microbiological* **quality.** 021847
The *microbiological* **role** [controlling Clostridium botulinum] of nitrite and nitrate [Bacon]. 021936
The *microbiology* of **[stored]** cereals [Fungi, bacteria]. 022741
Microbiology and **technology** of the pepperoni process. 022682

MICROCLIMATE
Effects of the forest tree shelterbelts on the *microclimate* and **agricultural** production of the Bala State Farm. 025061

MICROCYSTS
Transmission and scanning electron microscopy of changes associated with *microcyst* **formation** in the myxamoebae of Physarum polycephalum [Fungi]. 026001

MICROFERTILIZERS
The effect of copper, cobalt and **molibdenum** *microfertilizers* on the yield and quality of buckwheat. 030560

MICROFIBRIL
The isolation and characterization of [mammalian] **alpha-keratin** *microfibrils.* 022646
Microfibril **synthesis** at the surfaces of isolated tobacco mesophyll protoplasts, a freeze-etch study. 026059

MICROFILARIA
Epidemiological studies on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the *microfilariae* **[Brugia** malayi] and the bionomics of the vector [Brugia malayi, Anopheles sinensis]. 029039
The mechanism controlling the crossing of the vector's stomach wall by *microfilariae* **(Dipetalonema** desae-Aedes aegypti). 029278

MICROFLORA
Microflora of the **air** of poultry quarters and their effect on the health and productivity of poultry. 024342
Changes in the growth rate of the **concomitant** *microflora* in algal cultures under illumination and in darkness [Chlorella pyrenoidosa]. 026686
Effects of conventional food and of formula diet on **gut** *microflora.* 022171
Effects of zinc-smelter emissions on forest **soil** *microflora.* 028344
Microflora of **soils** and rhizosphere of plant-dominants referring to the particular plant associations of the Meshed-Messerian plain. 025909

MICROMORPHOLOGICAL *see* MORPHOLOGY

MICROMYCETES *see* FUNGUS

MICRONUTRIENTS *see* NUTRIENTS

MICROORGANISMS
Health significance of **airborne** *microorganisms* from wastewater treatment processes. I. Summary of investigations. 030930
Health significance of **airborne** *microorganisms* from wastewater treatment processes. II. Health significance and alternatives for action. 030931
Biological availability of sediment phosphorus to *microorganisms* **[Algae,** aquatic weeds, eutrophication]. 026696
Phase maps for particles and *microorganisms* in **animal** quarters [for physiological parameters]. 023578
Nitrogen transformations in soil as affected by the fungicides benomyl, dyrene, and maneb **[Effects** on *microorganisms].* 030177
Study of the role of *microorganisms* and **enzymes** during cheese ripening. II. Influence of commercial rennet. 022599
Action of magnetic and electric fields on the growth and mutation rate of various *microorganisms* **[Escherichia** coli, bacteria, Penicillium chrysogenum, fungi]. 026370
The biosynthesis of aroma compounds by *microorganisms.* I. **Formation** of N-acetyl-amines by Saccharomyces cerevisiae [Yeasts]. 022554
Dispersal of *microorganism* **[fungi]** on decaying leaves and litter. 025903
Occurrence of **gram-negative** *microorganisms* in dried milk products. 021979
Successions of *microorganisms* and **invertebrata** and their connections with biochemical processes during decomposition of manure in soil. 030277
A comparative study on characters of heavy metallic **ion-tolerant** *microorganisms* [Soil and water pollution]. 030904
Studies on the presence of *microorganisms* and **keeping** quality of canned processed cheese [Contamination, Clostridium]. 022619
Preliminary observations on the colonisation by the *microorganisms* and the **microarthropods,** of the fresh litter in two soils of a beech forest (Retz forest). 030273
Behavior of pathogenic Fusarium oxysporum in different soiltypes, with special reference to the interaction of the **pathogen** and other *microorganisms.* 030210
Some evaluation on the ways and sources of **pathogenic** *microorganisms* and on the possibility of their transmission to food products. 021901
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a soil culture [of *microorganisms;* **phytotoxicity** assay with wheat seedlings]. 028536
Metabolism of flavonoids [in higher **plants** and *microorganisms].* 026577
Model tests on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of **soil** *microorganisms* on the surface of natural rubber vulcanizates. 022479
Infrared color photomicrography of **soil** *microorganisms.* 030189
Effect on *microorganisms* of **volatile** compounds released from germinating seeds. 026453

MICROPYLES
First ultrastructural observation on the **haustorial** *micropylar* cells of Plantago lanceolata. 025968

MICROSCOPY
In vitro culture of the proximal tubule of the bovine nephron. Transmission and scanning **electron** *microscopy.* 023359
A light and **electron** *microscopic* study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free salt solution. 023383
A comparative study in the transmission **electron** *microscope* and scanning electron microscope of intracellular structures in sheep heart muscle cells. 023529
The avian erythrocyte: a study of fixation for **electron** *microscopy.* 023530
Aortic heterografts. **Electron** *microscope* study [Swine]. 023604
Scanning **electron** *microscopy* of the ependymal cell surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685
A scanning **electron** *microscopic* study of rabbit spermatozoa in the female reproductive tract following coitus. 024054
Electron *microscopical* study of initial and final stages of fowl plague virus-replication in chick embryo cells. 024421
Scanning **electron** *microscopy* of the duodenal mucosa of chickens infected with Eimeria acervulina. 024664
Ovogenesis and fertilization of Ascaris lumbricoides [suum]: **electron** *microscope* study. 024701
A scanning **electron** *microscope* study of Eperythrozoon wenyoni [on erythrocytes of a calf]. 024719
Studies on lignin-carbohydrate-complexes by high resolution **electron** *microscopy.* 025365
Observing carbide-tipped cutters through the scanning **electron** *microscope.* 025375
Scanning **electron** *microscopy* of basidiospores as an indication of relationships among hypogeous Gasteromycetes [Fungi]. 025780
Electron *microscopical* investigations of the Normapolles group and some other selected European and North American angiosperm [fossil] pollen. I. 025796
Scanning **electron** *microscopy* of pollen grains of the European species Erica L. 025964
Electron *microscopy* studies of a developing Pythium oogonium. 025978
Scanning **electron** *microscopy* of the septal pore apparatus of Rhizoctonia solani. 025984
Electron *microscopy* of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. 025995
A preparatory technique for examination of imperfect fungi by scanning **electron** *microscopy.* 026000
Transmission and scanning **electron** *microscopy* of changes associated with microcyst formation in the myxamoebae of Physarum polycephalum [Fungi]. 026001
A study of the chromosomes of the yeast Schizosaccharomycespombe by light and **electron** *microscopy.* 026002
Mitochondrial structure studied by high voltage **electron** *microscopy* of thick sections of Candida utilis [Yeasts]. 026026
A simple method for exposing plastic embedded structures for scanning **electron** *microscopy* [Peristome teeth of the moss Funaria hygrometrica]. 026028
A scanning **electron** *microscopic* survey of the surface of sensitive tendrils [Eccremocarpus scaber, Bryonia dioica]. 026030
Electron *microscopic* study of bacteria in the intercellular spaces of the root cap of Luzula purpurea Link [Symbiotic associations]. 026034
Study of spores of operculate Discomycetes [Fungi] under scanning **electron** *microscope.* I. Morchellaceae. 026046
Electron *microscopic* observations on the meiotic karyotype of diploid and tetraploid saccharomyces cerevisiae [Yeasts]. 026236
Scanning **electron** *microscopy* of trichomes of Cheilanthes (Sinopteridaceae). 026759
Electron *microscopic* study of several fungal viruses. 027969
Electron *microscopy* of virus-infected cultivated mushroom and of an ascomycete fungus. 028238
Light and **electron** *microscopy* of broadbean wilt virus intracellular inclusions. 028252
Rapid high-resolution immune **electron** *microscopy* of plant viruses. 028281
An SEM [scanning **electron** *microscope]* study of stridulatory structures of a grasshopper [Paktia gardezae] from Afghanistan. 029212
Electron *microscope* studies of reticulated cellular structures induced by baculoviruses in Lepidoptera. 029265
Light and **electron** *microscopy* of the hepatopancreas of the isopod Acellus intermedius. 029293
A scanning **electron** *microscope* study of cucumber nectaries, Cucumis sativus. 029391
Histochemical localization of trehalase activity in dorsal flight muscle of the flesh fly Sarcophaga bullata with lightand **electron** *microscopy.* 029403
Notes on the fixation methods of apterygota insects for **electron** *microscopy.* 029445
Scanning **electron** *microscope* (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to hydraulic conductivity. 030344
Macro- and *microscopic* **examinations** on the effect of a synthetic gonadotrophin releasing hormone (GnRH) in cattle with cystic ovaries. 024274
The localization of retinol-binding protein in rat liver by **immunofluorescence** *microscopy.* 023503
Experimental investigations into cytomorphogenesis in Micrasterias thomasiana and Micrasterias denticulata Breb. under the influence of actinomycin D and ethidium bromide. I. *Light-microscope* **investigations** [Algae]. 026057
The development of the guinea pig gallbladder epithelial cells. I. **Light** *microscopical* and carbohydrate-histochemical investigations. 023423
Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An ultrastructural and **light** *microscopical* study of zygotes and rhizoids. 026060
Observation by means of *electron-microscope* on the **location** of fungi in plant gall. 027974
Study of the infection process by wheat rust using **luminescent** *microscopy.* 028024
Microscopic **methods** for the identification and qualification of textile fibers. I. Natural fibers. 022518
A *microscopic-scale* **model** of soil water uptake and salt movement to plant roots. 026832
Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in feces by immunofluorescence and immune **relectron** *microscopy.* 024477

MICROSOME
Effects of low and high protein diets on the induction of *microsomal* **drug-metabolizing** enzymes in rat liver. 022136
Some effects of lindane on the *microsomal* **enzymes** of the rat liver [Pesticides, toxicity]. 029100

Differences due to species, sex and pregnancy in *microsomal* **induction** by diphenylhydantoin in rabbits and rats. 023256
Effect of calcium on the biosynthesis of phosphatidylcholine by *microsomes* **prepared** from Vicia faba [broadbean] roots. 027148
Transfer of proteins across membranes. II. Reconstitution of functional **rough** *microsomes* from heterologous components [Dog pancreas]. 023500

MICROSPORIDIA
Nosema slovaca sp. N.: a **second** *microsporidian* of the tick Ixodes ricinus. 029427
Microsporidia in **Simulium** larvae: systematics; ecological, pathological and cytochemical data. 028992
Histological studies on the development of the *microsporidian* **Thelohania** pristiphorae in larvae of Malacosoma disstria and Malacosoma americanum. 028947

MICROSPOROCYTES *see* SPOROCYTES

MICROTUBULES *see* TUBULES

MICROTUS
Some observations on the Japanese field vole, *Microtus* **montebelli** (Milne-Edwards) in captivity. I. Postnatal growth and development [Forest pests]. 025016

MICROWAVE
Microwave and **conventional** cooking in relation to quality and nutritive value of beef and beef-soy loaves. 022232
Measuring electric field distribution in a *microwave* **oven** [Food processing]. 022433
Microwave **oven** method for rapid determination of moisture in meat. 022672
Equipment probe 4: *microwave* **ovens** don't replace but complement conventional cooking units. 022334

MIDBRAIN *see* MESENCEPHALON

MIDGE
Physiology of digestion. I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango **blossom** *midge].* 029444
Mosquito and **chironomid** *midge* control by planaria [Insect pests, biological control]. 029001
Lethal levels of sodium chloride and potassium chloride for an oligochaete, a **chironomid** *midge,* and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Effects of simulated damage by *midges* **[Conatarinia** texana] on seed production by guar. 028750
The development of the **gall** *midge* Lasioptera arundinis (Schiner) (Diptera, Cecidomyiidae) on the common reed (Phragmites communis Trin.). 028668
Inheritance of **gall** *midge* (Pachydiplosis oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. 028719
Control of **nuisance** *midges* [Chironomus riparius] in a channel receiving treated municipal sewage. 029037

MIDGUT
Amylase activity in the *midgut* of **Sarcophaga** ruficornis andMusca domestica. 029325

MIGRATION
Migration of the **armyworm** Persectania ewingii moths in spring and the origin of outbreaks. 028658
Contributions to investigating the *migration* of **auxiliary** substances in plastics manufacture and processing into liquid foodstuffs. I. A dynamic testing method adjustable to varying test modalities. 022421
"Migration" **of blowouts** in seagrass beds at Barbados and Carriacou, West Indies, and its ecological and geological implications. 025869
Dinoflagellate phototaxis: pigment system and circadian rhythm as related to **diurnal** *migration* [Algae]. 026586
Experimental research to define the method of determination of the **global** *migration* of plastic and rubbers in fatty foods. II. 022531
Temporary **labour** *migration* between Tonga and New Zealand. 021115
A **leukocyte** *migration* inhibition assay technique using blood clot fragments in vitro [Guinea pigs, immunization]. 023397
Population change and **net** *migration* in the North Central States, 1960-70. 021149
Return *migration* to a marginal rural area. An example from north Norway. 021145
Studies on the reproduction in the dog. VI. Ovulation rate and **transuterine** *migration* of the fertilized ova. 024144

MIGRATORY
Migratory **apiculture** and its laws and regulations. 029850
Organochlorine pesticide residues in **small** *migratory* birds, 1964-73 [in Florida]. 029152

MILDEW
The **black** *mildew* Appendiculella calostroma and its fungal hyperparasites. 027912
A coordinated programme for disease control in apples [Scab, **canker** and *mildew].* 027890
Quality improvement [of maize resistance to **downy** *mildew].* 026239
Field resistance of tobacco varieties and hybrids to **downy** *mildew* [Peronospora tabacina]. 028100
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or *mildew* **fungicide** or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Mildew **[Peronospora** trifoliorum manshurica] of soybeans. 028003
Surfactants for the control of apple [powdery] *mildew* **[Podosphaera** leucotricha]. 028043
Tolerance of Botrytis cinerea and rose **powdery** *mildew* [Sphaerotheca ?pannosa]. 027934
Powdery *mildew* [Erysiphe betae] of sugarbeets. 027941
Important **powdery** *mildew* [Erysiphaceae] diseases in India and their control. 027958
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the **powdery** *mildew* [Podosphaera leucotricha] of apple trees. 028030
Patterns in the numbers of air-borne conidia of apple **powdery** *mildew,* Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and fungitoxicity to Erysiphe graminis on barley **[Powdery** *mildew].* 028040
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. III. A quantitative Hansch analysis [Barley, Erysiphe graminis, **powdery** *mildew].* 028042
Influence of **powdery** *mildew* [Erysiphe graminis] on mitotic cell division of apical root meristems of barley. 028046
Fundamentals of a **powdery** *mildew* [Erysiphe graminis] forecast on spring barley. 028106

MILK
Some observations on the possible nutritional significance of vitamin B12-and folate-binding proteins in *milk.* **Absorption** of [58Co]cyanocobalamin by suckling piglets. 023705
Phosphatase activity in **acidified** *milk.* 022615
Stability of **aflatoxin** M in *milk.* 021918
The interaction of N-acetylglucosamine and an affinity-label analogue with alpha-lactalbumin [whey protein of *milk]* **andlactose** synthetase. 022563
Residues in *milk,* **blood** serum and urine after intrauterine administration of antibiotic trade preparations to puerperal cows. 024995
Phage typing of Staphylococcus aureus strains isolated in Sweden from **bovine** *milk.* 021831
Phage types of Staphylococcus aureus isolated from **bovine** *milk* from [cows] affected with mastitis in Japan. 024489
Influence of corticosteroids on the amount and composition of *milk* in **cattle.** 023658
Reversed osmosis and its application to the technology of foods of animal origin. I. The receiving of **cheese** *milk* proteins and their utilization in the making of Feta cheese. 022577
Studies on the efficient manufacture of brine cheese. I. Criteria, processes of manufacture, **cheese** making *milk.* 022618
Continuous coagulation of *milk* in the **coagulator.** 022609
An automated rapid test for Escherichia **coli** in *milk.* 021920
Farm milk cooling and *milk* **collection.** Report transmitted by the government of Finland. 022557
Germ counting of **commercial** *milk.* 022571
Changes in *milk* **composition** during lactation in the guinea-pig, and the effect of prolactin. 023513
Effect of protected lipid feeding on *milk* **composition** [Dairy cattle]. 023815
Determination of the cost curve in dairy production departments in dependence on capacity and capacity utilization. VII. **Consumption** *milk* section. 021419
Measurement of *milk* **consumption** in young ruminants [lambs and calves] using tritiated water. 023829
Comparison of different plate count tests for determining the number of psychrotrophs *[Milk* **contaminants].** 022634
A rapid test for the identification of enterococci *[Milk* **contamination].** 021944
Properties of staphylococci isolated from cow's milk in respect fo the evaluation of *milk* **[Contamination].** 021946
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of aflatoxin synthesis by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available *[Milk* **contamination].** 021948
Taxonomy of pseudomonads from *milk* **[Contamination].** 021949
Day-to-day variation of the protein percentage and sample size determination for estimating the mean protein **content** of *milk.* 022635
Properties of staphylococci isolated from **cow's** *milk* in respect fo the evaluation of milk [Contamination]. 021946
Nutrition of orphan marsupials [reared on **cow's** *milk].* 022054
Observations on the characteristics of **cow's** *milk* in relation to the urea in feed. 023929
Spanish bibliography *[Milk* and **dairy** products]. 022586
Organochloride pesticide residues in *milk* and **dairy** products (1973-1974 balance). 029079
Evaluation of partially **dehydrated** *milks* [Caloric value]. 022580
Investigations on some parameters of *milk* for the **detection** of subclinical mastitis. 024417
Experiences in Great Britain on pregnancy diagnosis of cattle with help of **determining** *milk* progesterone. 024233
Cholesterol esterification and lipids in plasma and liver from newborn and young guinea pigs raised on milk and *non-milk* **diet.** 022170
Occurrence of gram-negative microorganisms in **dried** *milk* products. 021979
Quantity of lysine in **dried** *milk* processed using different techniques. 022584
[Insect] pest control in the **dry** *milk* industries. 028977
Minimum concentrate feeding for **efficient** *milk* production [Cattle]. 023950
Milk **ejection** in the rat: reversible blockade of hypothalamo-neurophypophysial and sympathetico-adrenal pathways by radio- frequency currents. 023519
Cryoscopy of *milk.* I. **Establishment** of freezing point of milk received in dairy plants [Adulteration]. 021833
New isotope methods for **estimating** *milk* intake and yield [Calves]. 023769
Dairy goats for **family** *milk* supply [Husbandry]. 023110
Farm *milk* cooling and milk collection. Report transmitted by the government of Finland. 022557
In vivo modification of *milk* **fat** and body fat composition in ruminants; a review. 023588
Impact of conversion to grade A on **Federal** *Milk* Orders [Prices, marketing]. 021481
Study on growing and fattening of Korean native cattle in Jeju. Effects of **feeding** *milk* substitute and calf starter to early weaning and suckling calves for growing and fattening. 023881
Water balance of small lactating rodents. II. Concentration and composition of *milk* of **females** on ad libitum and restricted water intakes. 023379
Methodical possibilities for the differentiation of sour milk products **(fermented** *milk* products). 022604
Milk **fever** is a constant threat [Dairy cattle]. 024833
The hygienic importance of **flavobacteria** in *milk.* 021950
Distribution and removal of added mercury in *milk* **[Food** contamination]. 021917
Taxonomy of aeromonades from *milk* and other **foods.** 022620
"Half-fat" *milk* tested for the first time in the 1975 German Agricultural Association butter testing. 021867
Organochloric pesticides in *milk* of **Haute-Vienne** in spring 1974. 029143
Heterogeneity of **human** *milk* beta(1-4)-D-galactosyltransferase. 022083
Organochlorine pesticide residues in **human** *milk,* Western Australia—1970-71. 029151
Protein value of two **imitation** *milks.* 022128
Protein value of two **imitation** *milks;* chemical and biologic assays. 022129
Imitation *milk* and imitation milk products. 022611
Protein content of *milk,* an **important** characteristic in [cattle] breeding. 024269
Experiment in **increasing** *milk* productivity of cows. 023170
Direct or **indirect** *milk* cooling is the problem. 022569
Determination of the fat, protein and lactose content of 10day preserved milk samples by means of the **infrared** *milk* analyzer (IRMA). 022636
Effects of two levels of *milk* **intake** on calves of two growth potentials. 023905
Milk **marketing** and the dairy cow of tomorrow. 021612
Determination of the fat content of *milk* by **means** of the photometric methods. II. Infrared method. 022637
Libya accents production of **meat,** *milk.* 021543
Studies on organochlorine pesticide residues in livestock products. I. Estimation of organochlorine pesticides in *milk* and **meats** by thin layer chromatography and gas chromatography. 021963
Proteolysis of *milk* and **milk** products by Pseudomonas fluorescens [Contamination]. 021947
On the contamination of *milk* and **milk** products with chlorinated hydrocarbons. I. Methods. 021982
Use of gas chromatography in the study of *milk* and **milk** products with special regard to proof of foreign fats. 022607
Cholesterol esterification and lipids in plasma and liver from newborn and young guinea pigs raised on *milk* and **non-milk** diet. 022170
Temperature characteristies of psychrophiles found in **Oahu** *milk.* 022626
Laboratory research of intensity of *milk* **outflow** from a mammilla. 023193
Partial *milk* yield and age at first calving as the measures to predict lactation yield in Jersey cattle. 024081
Quantification of lactones in ripening **pasteurized** *milk* Blue cheese containing added microbial lipases. 022590
Recycling. 42. Physical chemistry of **powdered** *milks.* 022641
Preliminary *milk* report [Quality control]. 021872
Determination of the fat, protein and lactose content of 10day **preserved** *milk* samples by means of the infrared milk analyzer (IRMA). 022636
Effects of *milk* **[price]** control studied in 83 markets. 021637
Milk **pricing.** 021464
Study of contamination and purification of waste waters from dairy farms and *milk* **processing** enterprises. 030960
A *milk* **producer** speculates about the future of the dairy industry. 021799
Economic aspects of use of complete diets in *milk* **production** [Costs]. 021408
The economics of using artificially dried green crops in *milk* **production** [Dairy cattle, feeding costs]. 021410
Will *milk* **production** also be profitable in the future? 021417

The cereals have paid for the *milk* **[Production** costs]. 021439
Statistical-economic analysis of the efficiency of *milk* **production.** 021819
The role of buffalo in the developing world *[Milk* **production].** 023124
Wisconsin, USA, a classical land of *milk* **production.** 023166
The *milk* **production** of native and crossbred sheep under semi-arid conditions. 023445
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for *milk* **production** [Dairy cattle]. 023723
Feeding, rumen biochemistry and *milk* **production.** 023934
Studies on *milk* **production** in cattle. II. Usefulness of partial lactation records for selection. Relations between partial, last test day and total yields. 024019
On the relation between *milk* **production** and fertility in Kibbutz dairy cattle herds. 024085
Influence of phytoestrogens on *milk* **productivity** of cows [Feed supplements]. 023957
Milk **productivity** of cows gives a feed supplement of thyroprotein and glucavamorin P10x. 023959
Proteolysis of milk and *milk* **products** by Pseudomonas fluorescens [Contamination]. 021947
On the contamination of milk and *milk* **products** with chlorinated hydrocarbons. I. Methods. 021982
Use of gas chromatography in the study of milk and *milk* **products** with special regard to proof of foreign fats. 022607
Soy products in chocolate and cocoa: their use as a complement or partner of *milk* **protein.** 022765
The utilization by preruminant lambs of isolated soya bean protein in low **protein** *milk* replacers. 023700
An economic evaluation of different selection alternatives as means for improvement of *milk* **protein** yield [Dairy cattle, genetics]. 024152
Genetic aspects of protein content and protein fractions in *milk*. II. **Protein** fractions [Cattle]. 024282
Cold-disaggregation of the casein micelles in heated concentrated whey **protein-free** *milk*. 022558
Production and use of *milk* **proteins.** 022583
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the intracellular transit and excretion of *milk* **proteins.** Autoradiographic study in the. 023532
Genetic variants of *milk* **proteins** in cows of Rendena breed. 024216
Role of sanitation in the adoption of the All-Union State Standard for *milk* **[Quality].** 021988
Gynaecomastia in a male goat. I. Sexual activity and sperm and *milk* **quality.** 024273
Milk **quantity** measuring device for milking equipment and milking sheds. 030107
Proof of antibiotics in **raw** *milk*. 022605
Cryoscopy of milk. I. Establishment of freezing point of *milk* **received** in dairy plants [Adulteration]. 021833
Artificial rearing of lambs **[Reconstituted** *milk*, feed]. 023920
Lipolysis in **refrigerated** *milk*. 022597
Unknown growth factors in *milk* **replacer** feeds for fattening calves. 023734
The utilization by preruminant lambs of *milk* **replacers** containing isolated soya bean protein. 023699
Sampling *milk* and reporting information for DHIA [Dairy Herd Improvement Association] Tests. 022556
The economic problems of *milk* **schemes** in developing countries [Marketing]. 021653
Effects of bromocriptine on *milk* **secretion** in the rabbit. 023515
Milk **secretory** response of the conscious lactating rat following intravenous injections of rat prolactin. 023510
Pretreatment of *milk* and **skim** milk for the manufacture of buttermilk and yoghurt. 022572
Whey and **skim** *milk* [Membrane processing]. 022578
Manufacture of soft cheese without drainage of whey from concentrates of ultrafiltrated **skim** *milk*. 022613
Methodical possibilities for the differentiation of **sour** *milk* products (fermented milk products). 022604
Degradation of raffinose and stachyose in **soybean** *milk* by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within polyacrylamide gel. 022781
Problems facing dairy products manufacturers and effective and economic utilisation of **surplus** *milk* products. 022588
Automatic sample taking equipment for bacterial [contamination] count in *milk* **tank** trucks. 021866
Determination and significance of iodine and chlorine residues in *milk* after **teat** dipping. 021846
Detection of H2O2 [hydrogen peroxide] in ultrahigh **temperature** *milk*. 022642
Livability of albino and normal bull spermatozoa at 5 degrees Centigrade in citrate, *milk* and **tris** yolk extenders. 024252
Cost of **wholesale** *milk* distribution in urban Utah. 021625
Cost of **wholesale** *milk* distribution in urban Utah. 021626
Genetic improvement of *milk* **yield** in Sardinian ewes. I. Heritabilities and correlations between characters. 024015
Milk **yield** in mice selected for growth or maternal ability. 024053
Effect of month, season and sequence of calving on *milk* **yield** in Italian buffaloes. 024250
Heritability estimates for *milk* **yield** by daughter-dam-regression and problems related to it [Cattle]. 024283

MILKING

Technical and economical comparison of large-scale **automatized** *milking* machines. 030103
How to **buy** *milking* equipment in 1975. 030110
The number of **daily** *milkings* and relevant aspects of herd management. 023121
Cold circulation cleaning of *milking* **equipment** is successful at farm level. 030061
Milk quantity measuring device for *milking* **equipment** and milking sheds. 030107
Study of the effect of pulses on milking velocity and magnitude of manual end-milking during **machine** *milking* of ewes. 023194
Automatic cleaning **methods** in *milking*. 022568
Qualities of a lactoduc [Dairy equipment, *milking* **parlors].** 030080
Problems in the allotment of concentrated feeds on *milking* **platforms.** 023962
The LD 50 BouMatic **raw** *milking* device. 030047
Heating units in *milking* **sheds,** a reasonable thing or an extravagance? 029945
Milk quantity measuring device for milking equipment and *milking* **sheds.** 030107
Study of the effect of pulses on *milking* **velocity** and magnitude of manual end-milking during machine milking of ewes. 023194

MILKWEED

Noncompetitive effects of **common** *milkweed*, Asclepias syriaca L.; [weeds] on germination and growth of grain sorghum. 028491

MILKY

Natural occurrence of *milky* **disease** bacterium, Bacillus popilliae Dutky on white grubs in India [Sugarcane pests]. 028720

MILLET

Differentiated doses of 2,4-dichlorophenoxyacetic **acid** [on *millet].* 028628
Creation of *millet* **breeding** stock by chemical mutagenesis. 026139
Changes in cell-wall carbohydrates and lignin of some **forage-type** *millets* [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985

MILLING

Quality of the 1975 German wheat harvest. 2. *Milling* and **baking** quality. 022802
Usefulness of micromethods for determination of *milling* and **baking** quality of wheat grain. III. Comparison of qualitative characters and varieties and lines of wheat. 027415
Milling **diagram** in short high milling procedure. 022751
What *milling* and **mixing** equipment to know and what not to know. 030057
Milling of **paddy** in relation to yield and quality of rice of different Indian varieties. 022774
Rice parboiling: effects of processing conditions and varietal factors on *milled* **rice** characteristics. 022740
26th meeting for *milling* **technology** in Detmold, 1975. 3. [Abstracts of papers]. 022805
26th meeting for *milling* **technology** in Detmold, 1975. 2. [Abstracts of papers]. 022806
26th meeting for *milling* **technology** in Detmold, 1975. 4. [Abstracts of papers]. 022807
Milling **wheat** varieties increase in popularity. 022779
Comparative studies on cellulolytic enzyme lignin and *milled* **wood** lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362

MILLIPEDE

The geographical differentiation of the **cave** *milliped,* Prionomatis nanaoredense [New taxa]. 029540
Two new **cave** *millipeds* from Kochi Prefecture, southwest Japan [Pterygostegia obliqua, Epanerchodus kajimotoi]. 029542
Effect of food qualities on protein pattern of the haemolymph of a *millipede* **Orthomorpha** gracilis. 029331

MILLS

Prospects 1975-76 for flour and **feed** *mills* and macaroni industry [Consumption, outlook, statistics]. 021806
Crushing of cereals in **impact** *mills*. 022733
Air pollution control at cottonseed **oil** *mills*. 030912
The improvement of the quality of tall fatty acids and colophony in operating installations [Wood pulp and **paper** *mills].* 025344
White water—savealls **[Paper** *mills*, effluent control]. 030810
Community reactions to odors from **pulp** *mills:* a pilot sudy in Eureka, California. 030886

MIMUSOPS

Strain variations among Fomes durissimus Lloyd [Swietenia mahogani, Casuarina equisetifolia, *Mimusops* **elengi,** India] attacking different host wood. 027887

MINERALOGY

Mineralogy of a few **basaltic** soils of Madhya Pradesh. 030315
Physicochemical and *mineralogical* **characteristics** of the soils of Kolleru lake, Krishna district, Andhra Pradesh. 030226
Micromorphological, *mineralogical* and **chemical** characteristics of some Alpine soils and their genetic implications. 030194
A comparative study of **clay** *mineralogy* of semi-arid soils of Western Uttar Pradesh and Eastern Rajasthan. 030295
Clay *mineralogy* of some Indian soils in relation to mineralogy of the sand and silt fractions. 030301
Clay *mineralogy* of alluvial, red and lateritic soil profiles from West Bengal. 030302
Studies on the **clay** *mineralogy* of Orissa soils. 030319
Study of electrochemical and physicochemical properties of clay minerals and their mixtures and of some soil clays to characterise their **clay** *mineralogy*. 030320
Mineralogical **composition** of some red and black soils of India. 030312
Mineralogical **composition** of soil clays of desert soils of Hanumangarh (Rajasthan). 030313
Mineralogical **distribution** and soil formation of Hissar-II Block, Haryana. 030314
Mineralogical and **geochemical** properties of the soil cover in the area of copper deposits of the southern Urals. 030290
Clay mineralogy of some Indian soils in relation to *mineralogy* of the **sand** and silt fractions. 030301
Mineralogical **study** of the fine sands from the western fringe of Haryana. 030223

MINERALS

Study on *mineral* **accumulation** at the main vegetable production area [Soil analysis]. 030334
Ultrastructural observations of amorphous **bone** *mineral* in avian bone [Chickens, pigeons]. 023354
Effect of *minerals* on the **chiasma** frequency in desynaptic pearlmillet. 026131
Paraquat adsorption on **clay** *minerals*. 028543
Clay *minerals* of soil forming rocks of the central Russian Plain. 030285
Application of physicochemical methods to the quantitative evaluation of **clay** *minerals* in soils. 030298
Clay *minerals* in the altered wall-rocks of Mosabhoni coppermines, Singbhum District, Bihar. 030303
Effect of cation saturation and air-drying of samples on the diffractogram obtained from parallel-oriented specimen **[Clay** *minerals].* 030307
Effect of weathering and parent materials on **clay** *mineralisation:* red ferruginous soils of humid tropics. 030308
Genesis and distribution of **clay** *minerals* in catenary soils of Chatisgarh basin of Madhya Pradesh. 030309
Influence of chemical agents on weathering of silicate minerals **[Clay** *minerals].* 030310
Nature and geographic distribution of **clay** *minerals* in soils of different moisture regimes in Punjab, Harayana and Himachal Pradesh. 030316
Study of electrochemical and physicochemical properties of **clay** *minerals* and their mixtures and of some soil clays to characterise their clay mineralogy. 030320
Transformation of **clay** *minerals* under saline and alkali soil conditions. 030322
X-ray investigation of **clay** *minerals* in the soils of West Bengal. 030324
Adsorption of copper by mixed pure **clays** *[Minerals].* 030297
The *mineral* **composition** of apples. Calcium concentration and bitter pit in relation to mean mass per apple. 022952
Relationships between particle size and *mineral* **composition** of volcanic ashes [Soils]. 030376
Changes in *mineral* **contents** of cotyledons and young seedlings of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310
Mineral **feed** conversion and supply for high performance cows. 023798
The yield and quality of grain of barley varieties under different *mineral* **fertilization** levels [in breeding intensive types]. 026278
Mineral **fertilizer** requirements of pine in the forests of Estonia. 030496
Economic effectiveness of the application of *mineral* **fertilizers** in growing pine stands in Voronezh Region [Costs, returns]. 025106
Effect of *mineral* **fertilizers** on growth of pines in a fairly moist pine forest. 027328
Calculating the strength of plastic discs of centrifugal spreaders of *mineral* **fertilizers.** 030156
Nutrition of greenhouse cucumbers on peat substrates *[Mineral* **fertilizers].** 030489
Rates and ratios of *mineral* **fertilizers** on meadow soils. 030491
Application of *mineral* **fertilizers** in forests of the USSR. 030493
Mineral **fertilizers** in the forestry of Latvia. 030495
Mineral **fertilizers**—a basis for increasing productivity of agriculture. 030502
Experiments with scientific control of plant feeding on a Tachov branch farm *[Mineral* **fertilizers,** field crop yields]. 030547
Effect of *mineral* **fertilizers** on yield and quality of forage grass stands of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
The application of *mineral* **fertilizers** to proso in the Ukrainian steppes. 030564
Hygiene during work with *mineral* **fertilizers.** 030571
Detection of *mineral* **fibers** in beer. 021854
Relationships of protein and *mineral* **intake** to L-ascorbic acid metabolism, including considerations of some directly related hormones. 022042
Microbiology of **natural** *mineral* water, a review. 022373
Twenty-four hour urinary excretion of vitamins, *minerals* and **nitrogen** by Eskimos. 022010
Studies of a climosequence of soils in tussock grasslands. 3. **Nitrogen** *mineralisation* and protease activity. 030267

Bacterial production of protein from cellulose. I. Effect of composition of *mineral* **nutrient** medium on the bacterial utilization of cellulose [Food research]. 022371
The *mineral* **nutrition** of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. 026912
Calcium, sodium, phosphate, a contribution to the correct **performance** *mineral* supply for livestock. 023049
Relative *mineralization* rates of indigenous and recently incorporated 15N [nitrogen isotope]-labeled nitrogen [in soils]. 030529
Mineral **requirements** of cattle. 023960
Quantitative determination of supplemental vitamin C in *mineral* **salt** mixtures. 022225
Behaviour of the major elements and *minerals* in **sediments** of four humic lakes in southwestern Finland. 030892
Influence of chemical agents on weathering of **silicate** *minerals* [Clay minerals]. 030310
Organic and inorganic P [phosphorus] content, movement and *mineralization* of P in **soil** beneath a feedlot [Cattle, manure, disposal]. 030823
The organic matter status of some *mineral* **soils** in New Zealand. 030326
Measures aimed to control fermentation and influence the content of *mineral* **substances.** 022389
Significance of fold and lineament patterns in **sulphide** *mineralization* in the northeastern part of the Jabalpur (India) mineralized belt—a photogeological interpretation. 030281
Trace *minerals* are top nutrition insurance [Dairy cattle]. 023728
Mineral and **vitamin** supplementation of cattle. 023870

MINERS

Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the **birch** *leaf-miner,* Fenusa pusilla (Hymenoptera: Tenthredinidae). 028926

MINIATURE

Mosquito collections in El Salvador with ultraviolet and **CDC** *miniature* light traps with and without dry ice. 029051

MINIMIZATION

Minimising **pollution** from fertiliser plants. 030893
Selection for *minimizing* **spiral** grain in Larix leptolepis Gord. 025180

MINING

Camellia *mining* scale Duplaspidiotus claviger (Cockerell) (Diaspididae: Homoptera). 028811
Economics of mechanical pulping in newsprint or how to choose a **gold** *mine* based on different energy cost scenarios. 025507
The effect of fertilizers on sclerophyll (heath) vegetation-the problems of revegetation after *sand-mining* of **high** dunes. 030524
Studies on the development of spontaneous vegetation of anthropogenic waters in the recultivation area of open **lignite** *mines* in the Rhine area. 025875

MINKS

Identification of five allotypes of serum alpha2-lipoprotein esterases in **American** *minks* (Mustela vison). 024220
How often should fox and *mink* be **fed?** 023735
How often should fox and *mink* be **fed?** II. 023736
Isolation of **reovirus** from *mink*. 024412

MIRABILIS

The fourth Swedish locality of **Cryptothallus** *mirabilis* [Musci]. 025828
Raphidia (Mongoloraphidia) *mirabilis* n. **Sp.**—a new camel pest from Tadzhikistan. 029586

MIREX

Preliminary investigation on the effects of *mirex* and its **derivatives** on adenosine triphosphatase activities from fire ants [Solenopsis richteri]. 029021
Mirex and **marine** unicellular algae: accumulation, population growth and oxygen evolution. 028337
Movement of *mirex* from **sediment** and uptake by the hogchoker, Trinectes maculatus. 029088

MIRIDAE

Anomalous *Miridae* (Heteroptera) from Australasia [Pseudopalaucoris, Mertilanidea, Termatomiris, new taxa]. 029612
Recognition of seven Uhler manuscript names, with notes on thirteen other species used by Heidemann (1892) **(Hemiptera:** *Miridae).* 029708
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: *Miridae),* a **predator** of arthropod pests on ornamentals. 028814

MISCANTHUS

Comparison of productivity between **semi-natural** *Miscanthus* sward and improved orchardgrass [Dactylis]-ladino clover mixture. 027462

MISTS

Flow irrigation with an **acclimatizing** *mist* [Reforestation]. 030636
Programming LOIS [light operated interval switch] for **multiple** *mist* signals [Irrigation equipment]. 030021
Mist **propagation** [of plant cuttings, greenhouse construction]. 030111

MITE

ULV [Ultra-low volume] sprays of propoxur for control of [a **bloodsucking** *mite]* Trombicula alfreddugesi. 029029
Myo-epithelial junctions in skeletal and in intestinal tract muscle of the *mite,* **Caloglyphus** anomalus (Acarina). 029437
Redescription of Eutogenes vicinus Summers and Price, a predatory polymorphic, **cheyletid** *mite* with descriptions of males and immature stages (Acarina: Cheyletidae). 029659
Evaluation of some insecticidal combination against sucking pests [aphids, *mites]* of **cotton** through aerial spraying. 028718
Role of agronomic techniques in reducing the numerical strength of the wheat **flower** *mite* [Steneotarsonemus panshini]. 028806
Use of quill comb in the diagnosis of ectoparasites [Fleas, lice, Cheyletiella and **forage** *mites,* animals]. 029075
Effect of social stress and inherited plasma corticosterone levels in chickens on populations of the northern **fowl** *mite,* Ornithonyssus sylviarum. 029031
Comparative susceptibility of the chorioptic mange mite, northern **fowl** *mite,* and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
New and interesting *mites* from the **Geneva** Museum. XV. Contribution to the Tarsonemidae fauna from South India (Acari) [New taxa]. 029677
Parasitic mites of Surinam. XXIV. *Mites* of the **genus** Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. 029527
Ways of overcoming and preventing the development of resistance to acaricides in the citrus red **hairy** *mite.* 028892
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) **[Integrated** *mite* control, Tetranychus mcdanieli, apples]. 028819
Hunteracarus womersleyi gen. N., sp. N., a **laelapid** *mite* (Acari) associated with Cephalodesmius armiger Westwood (Coleoptera: Scarabaeidae). 029606
Comparative susceptibility of the chorioptic **mange** *mite,* northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
Note on the occurrence of the *mite* **Myocoptes** musculinus (Koch, 1844) (Acarina, Listrophoridae) on white mice in the states of Sao Paulo and Rio de Janeiro, Brazil. 029000
Computer simulation used to control [apples] **orchard** *mites* [Panonychus ulmi, Stethorus punctum, biological control]. 028890
Laboratory and field studies on the life cycle of **oribatid** *mites* (Acari: Oribatei). 029473
Parasitic *mites* of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. 029527
Fine structure of vas deferens wall in the *mite,* **Pergamasusviator** Halas, (Mesostigmata, Parasitidae). 029191
Predacious *mites* (Acarina: Phytoseiidae) on sprayed apple trees at Bathurst (N.s.w.). 028381
Toxicity of organophosphorus systemic pesticides to **predator** *mites* [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
Functional and numerical responses of the **predatory** *mite,* Amblyseius fallacis, to prey [Tetranychus urticae] density [Apples]. 028849
Sampling dormant apple twigs to estimate the density of eggs of the European **red** *mite* [Panonychus ulmi]. 028852
Population injury levels and sampling of the pear **rust** *mite* [Epitrimerus pyri] on pears in southern Oregon. 028871
Bulb **scale** *mite* (Steneotarsonemus laticeps) on Narcissus in the United Kingdom. 028809
Amblyseius bibens (Acarina: Phytoseiidae), a predator of **spider** *mites* (Tetranychidae) in Madagascar [Biological control]. 028645
Responses of the two-spotted **spider** *mite,* Tetranychus urticae Koch., to light and gravity. 028677
Responses of the two-spotted **spider** *mite,* Tetranychus urticae Koch., to young and old leaves, upper and lower surfaces of leaf. 028678
Stethorus as a predator of the **spider** *mite* [Tetranychidae, biological control]. 028694
Two forms of cotton damage by **spider** *mites* [Tetranychus turkestani]. 028766
Tetranychus urticae Koch. Study on resistance of beans to the two-spotted **spider** *mite,* Tetranychus urticae Koch. 028889
Spider *mite* [Tetranychus cinnabarinus] webbing. II. The effect of webbing on egg hatchability. 029194
A guide to the control of external parasites of poultry [Lice, *mites,* **ticks,** fleas]. 029072

MITOCHONDRIA

On the mechanism of ketogenesis and its control: purification, kinetic mechanism and regulation of different forms of *mitochondrial* **acetoacetyl-CoA** [coenzyme A] thiolases from Ox liver. 023395
Activity of *mitochondrial* **adenosine** triphosphate enzyme in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. 028007
Regulation of *mitochondrial* **biogenesis:** enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
The correlation between *mitochondrial* **complementation** and heterosis in hybrid corn. 026127
Repair of pyrimidine dimers in nuclear and *mitochondrial* **DNA** of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. 026650
Development of *mitochondrial* **enzyme** activities in germinating maize scutellum. 027033
Some aspects of fatty acid oxidation in isolated **fat-cell** *mitochondria* from rat. 023287
Identification of an essential lysine in porcine **heart** *mitochondrial* malate dehydrogenase. 023481
Study of fatty acid transfers between liposomes and **isolated** *mitochondria* of cauliflowers. 027236
Biochemical properties of *mitochondrial* **membrane** from dry pea seeds and changes in the properties during imbibition. 027261
Saccharomyces cerevisiae **petite** *mitochondrial* DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. 026125
Sterol compounds from **plant** *mitochondria.* Preliminary studies on the localization of these substances inside these organelles [Potatoes, radishes, beans, cauliflower]. 027235
Mitochondria and **polarity** in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of *mitochondrial* **protein** synthesis by erythromycin and chloramphenicol. 026647
Aspects of ketogenesis: control and mechanism of ketone-body formation in isolated **rat-liver** *mitochondria.* 023589
Effect of linoleic acid on oxidative phosphorylation in *mitochondria* in **rats.** 023677
Mitochondrial **reorganizaion** following stimulation by HCG [human hchorionic gonadotropin] of testis Leydig cells from hypophysectomized pigs. 023352
Effect of temperature on respiration of *mitochondria* and **shoot** segments from cold-hardened and nonhardened wheat and rye seedlings. 027021
Mitochondrial **structure** studied by high voltage electron microscopy of thick sections of Candida utilis [Yeasts]. 026026
The activation of non-phosphorylating electron transport by adenine nucleotides in Jerusalem-artichoke (Helianthus **tuberosus)** *mitochondria.* 027125
Mitochondrial **ultrastructure** and respiration in the spadix of Arum maculatum L. during development. 026702

MITOCHONRIA

Oxidation of NADPH by *submitochondrial* **particles** from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483

MITOSIS

Influence of powdery mildew [Erysiphe graminis] on *mitotic* **cell** division of apical root meristems of barley. 028046
Differential effect of hormones on macromolecular synthesis and *mitosis* in **chick** embryo cells. 023493
Cytogenetic demonstration of *mitotic* **chromosomes** in the yeast Saccharomyces cerevisiae. 026214
The joint action of gamma rays and ethylenimine during the presynthetic period of the *mitotic* **cycle** on cells of seeds of Crepis capillaris. 026287
The radiosensitivity of cells in various phases of the *mitotic* **cycle** in Crepis capillaris L. seedlings. 026288
Location of energy discharge in *mitotic* **cycle** of Panax ginsing C. A. Mey. 026540
Mitotic **cycles** in Triticum [wheat] species. 026008
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the *mitosis* of the **generative** nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Distribution of *mitoses* and 3H **[hydrogen]-thymidine** incorporation in proliferating eye discs of Ephestia kuehniella Zeller. 029506

MIXING

Detection of twelve mycotoxins in *mixed* **animal** feedstuffs, using a novel membrane cleanup procedure. 023044
Recovery of sulfite alkalis from boiling cellulose with acid on a *mixed* **base.** 025325
Dough conditioners for 12% soy-fortified **bread** *mixes.* 022782
Seedling competition of some grasses [Agropyron, Elymus] in mono- and *mixed* **culture** under greenhouse conditions. 027384
What milling and *mixing* **equipment** to know and what not to know. 030057
Stirring and *mixing* **equipment,** with special regard to the dairy industry. 030062
Suggestion on the modernization of *mixed* **feed** transportation. 021571
Situation of the *mixed* **feed** market and animal production. 021594
Use of *mixed* **feed** in Polish agriculture. 023785

Study of operating conditions of the screw pump [Transport of **feed** *mixes* and water. 030163
Development of ligneous weeds on volcanic soils in pure stands and those *mixed* with **Gramineae** [Chile]. 025856
Heat and mass transfer in freeze drying of *mixed* **granular** particles. 022454
Economic effectiveness of the production of **granulated** *mixed* feeds [Costs, Mongolia]. 021415
The influence of **hot** *mix* asphalt plants on vegetation with special regard to vapors from asphaltic bitumen. 028361
Effect of mode of infection on manifestation of symptom and oocyst production in chicken coccidiosis. II. *Mixed* **infection** with Eimeria acervulina and Eimeria tenella. 024621
Mixed **infection** with Paragonimus miyazakii and other species in an experimental host [Dogs, cats, rats]. 024623
Organization of the **interfarm** *mixed* feed industry in Khmelnik Region. 021233
Adsorption of copper by *mixed* **pure** clays [Minerals]. 030297
Heating soils, **soil** *mixes*, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
Preservation of *mixed* **species** lactic starter concentrates by freezing and lyophilization methods. 022616
Cultural aspects of *mixing* **standard** rice seeds with the glutinous rice. 027350
Weed-crop behaviour in pure and *mixed* **stands** of maize and Echinochloa colona Link. 028542
The pulping of woods with barks. I. The cleaning of *mixed* **stock**, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
Feeding corn silage plus manure from caged layers or dairy cows as **total** *mixed* rations for dairy heifers. 023819
System of *mixing* **tree** species in reforestation of ravine-gully lands [Soil erosion control]. 025215

MIXTURES

The effect of **accompanying** *admixtures* on the oxidation rate of n-cymene from wood chemical processing. 025341
A kinetic study of the competitive oxidation of oleic acid-linoleic **acid** *mixtures* [Food]. 022506
Protein and energy utilization by the insect, Argyrotaenia velutinana (Walker), fed diets containing graded levels of an amino **acid** *mixture*. 029313
Electrical potentials during water entry into an **air-dry** *mixture* of sand and kaolinite [Soil-particle surfaces]. 030338
On the behaviour of wood particles in hot **air-steam** *mixtures*—a contribution of the improvement of particle drying in particle board plants. I. 025376
Production of a *mixture* of **amino** acids [for food and drugs] by autolysis of hydrolyzed fodder yeast. 022438
A method for the identification and quantitative investigation of denatured proteins in *mixtures* **based** on computer comparison of amino-acid patterns. 022550
Comparison of benomyl and captafol with **Bordeaux** *mixture* for control of European canker [Nectria galligena] of apple. 028034
Annual forages seeding rates and *mixtures* for **central** Alberta. 027380
Research on nutrition of meat and extender blends shows PER of *mixtures* **close** to that of lean beef. 022341
Modification of the botanical composition and dry substance yield of grass and white **clover** *mixtures* from the use of different Dactylis varieties. 027369
Comparison of productivity between semi-natural Miscanthus sward and improved orchard-grass [Dactylis]-ladino **clover** *mixture*. 027462
The use of slow release fertilizers in pot plant production [on peat and its *mixtures* with **compost**]. 030407
Modified flotation method of determining alcohol in water solutions **containing** *admixtures* [Wood hydrolysis]. 025316
Full ration **feed** *mixtures* with different nutritive value in fattening young Italian White geese. 023808
Beef production from untreated silage and silage treated with a *mixture* of **formalin** and formic acid [Cattle]. 023826
Whole wheat grain feeding of lambs. V. Effects of roughage and wheat **grain** *mixtures*. 023701
Study of [seed] *mixtures* for **hydrosowing** [Perennial grassesand legumes, soil stabilization on slopes]. 030609
Fat metabolism in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a complex **lipid** *mixture* [Potatoes]. 027114
Japanese beetles [Popillia japonica] attractancy of *mixtures* of **lures** containing phenethyl propionate and eugenol. 028664
Acute toxicity of **pesticide** *mixtures* to bluegills [Fish]. 029083
Mowing dates of clover and clover-timothy [Phleum] *mixtures[and* **relation** to their chemical composition]. 027066
Quantitative determination of supplemental vitamin C in mineral **salt** *mixtures*. 022225
Peat, [Pseudotsuga menziesii] bark and **sawdust** *mixtures* fornursery substrates. 030403
Investigation on the efficiency of the reduction of submitted samples, carried on the model of grass and leguminous **seed** *mixtures* [Quality tests]. 027414
Forage crop varieties and **seeding** *mixtures* for 1976. 027583
Study of electrochemical and physicochemical properties of clay minerals and their *mixtures* and of some **soil** clays to characterise their clay mineralogy. 030320
The hedonic tones [liking or disliking] of artificial **sweeteners** and their *mixtures*. 022069
The tastes of artificial **sweeteners** and their *mixtures*. 022070
Relative stability of pure lines, **varietal** *mixtures* and segregating populations in chickpea (Cicer arietinum L.). 026182
Modification of content of **volatile** *admixtures* in hydrolysates during their processing [Terpenes, furfurol]. 025315

MNIACEAE

Plagiomnium acutum, comb. Nova (Musci, *Mniaceae)* **[New** taxa]. 025603

MOBILITY

Mobile **device** for technical servicing of machine-tractor units. 030083
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of low **electrophoretic** *mobility*. 029384
Molecular *mobility* and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. 023301
Mobility of **normal** and virus-transformed cells in cellular aggregates [Chick embryos]. 023496
Research on agricultural **vocational** *mobility*. Dead ends andsolution methods. 021144

MOBILIZATION

Lipid *mobilization* in rabbits. I. Dexamethasone, TSH [thyroid stimulating hormone], and GH [growth hormone]. 023632
Lipid *mobilization* in rabbits. II. Cortisone acetate. 023633

MODALITIES

Establishing typological base of work means and *modalities* by **skidding** and transport of round timber, in the case of some coupes within Forest Enterprise for Logging and Transport Brasov. 025478
Contributions to investigating the migration of auxiliary substances in plastics manufacture and processing into liquid foodstuffs. I. A dynamic testing method adjustable to varying **test** *modalities*. 022421

MODEL

The use of the pig as an **aimal** *model* to study problems associated with low birthweight. 023580
Analysis *models* for polyculture-cattle husbandry enterprises. III. Basic technical-economical data in the Noordelijke Bouwstreek region (Netherlands). 021280
Economic assessment of an activity **analysis** *model* for water supply planning. 030790
Analytic *model* of the structure of the water balance. 030751
The cockerel as an **animal** *model* for atherosclerosis research [Cholesterol diet]. 021991
Lyriform slit sense organs, *modelling* an **arthropod** mechanoreceptor [Spiders]. 029398
New animal [Japanese quail] *model* for **atherosclerosis** research. 024813
Model of **broiler** performance as affected by temperature and humidity. 023665
Model **calculatons** on genetic differences between herds due to using different groups of bulls and different selection rates for cows within herds. 024286
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a *model* **carc.** 024866
Electric pacing of intact and transected canine small intestine and its **computer** *model*. 023210
Energy demand and water resource management: some economic aspects **[Cost** *models].* 021350
"A *model* for the **degradation** of cotton cellulose." A comment. 022788
Studies on the experimental production of chronic erysipelas in swine. 2. Studies with a live antigen in order to standardize a *model* **disease.** 024807
A **dog** *model* of fulminant hepatic failure produced by paracetamol administration. 023315
The use of a dependent **domain** *model* of hysteresis in numerical soil water studies. 030388
Simulation of temperature-dependent development in population **dynamics** *models* [Anthonomus grandis, Trichoplusia ni, Heliothis zea]. 029288
Econometric *model* of timber industry. 025475
An **economic** *model* of Georgia's long-run timber market. 025476
The effect of higher trophic level components in an aquatic **ecosystem** *model* [Pollution]. 030861
A *model* of the **feed** grain sector of Canadian agriculture [Price policies]. 021477
The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in *model* **films.** II. Investigations on films containing condensed or swollenchicken erythrocyte nuclei. 023528
A Bayesian approach to analyzing uncertainty among flood **frequency** *models*. 030787
A linear programming livestock-feed **grains** *model*. 023018
Investigation on the efficiency of the reduction of submitted samples, carried on the *model* of **grass** and leguminous seed mixtures [Quality tests]. 027414
A note on **Griffing's** *models* for the diallel cross [Plant breeding]. 026188
A *model* of the **heat** exchange of sheep with the environment. 023626
Laboratory *model* ecosystem evaluation of the chemical and biological behavior of radiolabeled micropollutants. 030880
Models of **land** and water allocation to improve environment and water quality through soil loss controls. 030792
Application of **Lynton-Pareek** *model* in farmers' training. 021104
Resource allocation in agricultural research using socio-economic evaluation and **mathematical** *models*. 021180
Mathematical *model* for profit development in a sector of agriculture [Statistical methods]. 021668
Mathematical *model* of forecasting inventory of forest stands. 025122
Displacement washing of packed beds of cellulose fibres. 1. **Mathematical** *model*. 025484
Quantitative investigations on the nitrogen metabolism in higher plants. I. **Mathematical** *models* of nitrogen-metabolism of Vicia faba [Broadbeans]. 027141
Mechanical properties influencing vibrations in blueberry canes [Vibratory harvesters, **mathematical** *model].* 030145
Mathematical *model* for investigating problems of subsurface water dynamics (exemplified by the Ararat plain). 030768
Evaluating a **mathematical** *model* for predicting lake eutrophication. 030817
Screening of new biogenic antimetabolites using prokaryotic and eukaryotic **microbial** *models* [Includes Neurospora crassa, fungi. 026416
A **microscopic-scale** *model* of soil water uptake and salt movement to plant roots. 026832
Thermal disturbance of water balance in wheat in *models* of **natural** weather complexes. 026951
Equine infectious anemia: a **new** *model* of persistent virus infection [Horses]. 024842
Coupled saturated-unsaturated transient [groundwater] flow in porous media: experimental and **numeric** *model*. 030387
Using **parametric** *models* of runoff to improve parameter estimates for stochastic models [Water resource planning]. 030796
The **photoelastic** *model* for soil-machine system with the aid of gelatin. 030119
New chlorophyll-b forms in a chlorophyll-detergent **photosynthetic** *model* system [Algae]. 026408
Model for the **positional** differentiation of the cap in Acetabularia [mediterranea, Algae]. 026391
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. I. Development of a *model* for **predicting** nonprotein nitrogen utilization by cattle. 023771
A discounted least squares quadratic growth **prediction** *model* for use in 2 year toxicity studies [Rats]. 024981
A **production** *model* for Myriophyllum spicatum L. [Aquatic weeds]. 025893
Application of **programming** *models* to specialised bulb-growing farms [Costs and returns, Netherlands]. 021355
A quadratic **programming** *model* of the Canadian dairy industry. 023102
A water **quality** *model* for a conjunctive surface-groundwater system. 030725
Tulip forcing: *model* and **reality.** 027651
A **regional** *model* for the analysis of agricultural production and agricultural service industry interrelationships. 021661
Stochastic **reservoir** *models:* relative computational effort. 030795
Hog [swine] **sector** *models*. 023103
Pressure of granular material on wall of *model* **silo.** 029915
Evaluation of a *model* for **simulating** continuous streamflow from small watersheds. 030726
Simulation *model* for grain transportation and handling rationalization on a regional basis. 021479
A note on econometric **simulation** *model* for Canadian dairy industry. 023101
A timber-water **simulation** *model* for lodgepole pine [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071
SOYMOD I: A dynamic simulator of soybean growth and development [Computer **simulation** *model].* 027055
A computer **simulation** *model* for population studies of woodland pool Aedes mosquitoes. 029009
A **spatial** *model* for analysis of the Canadian livestock-feedand livestock product sectors [Policy changes]. 021700
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a dihydrate. A *model* for the different **spectral** forms of chlorophyll a [Ailanthus altissima]. 026620
Using parametric models of runoff to improve parameter estimates for **stochastic** *models* [Water resource planning]. 030796
Studies on the hydrolysis reaction of *model* **substances** of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
Models of **supply** of agricultural products [Supply and demand]. 021627
Effect of ice storage on microbiological and chemical changes in shrimp and melting ice in a *model* **system.** 021922
Evaluation of ascorbyl monoesters for the inhibition of nitrosopyrrolidine formation in a *model* **system** [simulating bacon]. 022680
Arabidopsis thaliana as a *model* **system** in somatic cell genetics. I. Cell and tissue culture. 026795
Model **system** for the adsorption of tobacco mosaic virus. 028240

The nitrosation products of creatine and creatinine in *model* **systems.** 022555
Rheology of rye dough. III. *Model* **test** of clarification of viscose behavior in dough in rising temperatures. 022763
Model **tests** on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of soil microorganisms on the surface of natural rubber vulcanizates. 022479
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. II. Application of published evidence to the development of a **theoretical** *model* for predicting nonprotein nitrogen utilization. 023772
Compressive properties of linerboard as related to corrugated fiberboard containers: a **theoretical** *model.* 025504
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by fish from water and **througha** *model* food chain. 030881

MODULI

On dynamic **shear** *moduli* and Poisson's ratios of soil deposits. 030358

MOHAIR

Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures [Wool, *mohair,* **dog** hair]. 022767

MOISTURE

Moisture **absorption,** mold growth, and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176
Moisture **availability** and crop production. 027531
Effect of Zn, [zinc] Fe [iron] and *moisture* on the **availability** of Zn, Fe annd Mn [manganese] in soil. 030240
New methods of cleaning and *moistening* of **cereals.** 022801
A rapid 20-minute method of determining the *moisture* **content** of tobacco and Aztec tobacco seeds [Standards]. 021971
Dielectric properties of wood and hardboard: variation with temperature, frequency, *moisture* **content,** and grain orientation. 025531
Microbiological and fermentative activity of Gley-Podzol and Krasnozem soils under various *moisture* **content.** 030375
Quantitative characteristics of *moisture* **contents** of soils of the Belorussian Polesye. 030381
Moisture **control** in laboratory tests with wood-rotting fungi. 025379
Factors influencing the growth of fungi in *high-moisture* **corn** treated with propionic acid. 027987
Moisture and **density** of Populus tremula wood with consideration of its sex. 025397
Basic principles of *moisture* **equilibria** [in foods]. 022445
Effect of **excessive** *moisture* on the anatomic structure of the bark of Pinus sylvestris. 027320
Effect of mineral fertilizers on growth of pines in a **fairly** *moist* pine forest. 027328
Suggestion for a classification of a *moist* **glutinous** dough property. 022755
Effect of **[harvest** *moisture* content and] heated air drying on soybean oil quality. 022845
Density of rewetted **high** *moisture* grains. 022844
High *moisture,* acid-treated opaque-2, waxy and dent corn rations for growing-finishing pigs. 023893
The effect on the yields of barley and kale of soil conditions induced by cultivation at **high** *moisture* content. 027422
How *moist* are grains? Type table of devices to measure cereal moistness. 030028
Intermediate *moisture* food technology. 022457
Some stability and safety aspects of **intermediate** *moisture* foods. 022463
Stability of low and **intermediate** *moisture* foods. 022464
Gain and loss of *moisture* in **large** forest [fire] fuels. 025064
Microwave oven method for rapid determination of *moisture* in **meat.** 022672
Response to *moisture* of **pollen** mother cell meiosis in Coffea abeokutae Crames. 026025
Nature and geographic distribution of clay minerals in soils of different *moisture* **regimes** in Punjab, Harayana and Himachal Pradesh. 030316
The effect of **residue** *moisture* in wilted leaves on quality indices of fine black tea. 022541
Influence of lime and phosphorus buildup on *moisture* **retention** characteristics of Hebbal Red loamy soils. 030592
Root systems of some species of annual cereal grains from Turkmenistan [in relation to **soil** *moisture].* 026616
The influence of temperature and **soil** *moisture* on the incidence of Erwinia carotovora var. carotovora in forced Dutch irises. 028124
Studies on the influence of **soil** *moisture* conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
The effect of **soil** *moisture* on the uptake of herbicide by gorse [Ulex europaeus]. 028573
Influence of **soil** *moisture* on tolerance of corn to cyanazine [Herbicides]. 028619
Development of complex mechanization of forest regeneration in the zone of excess **soil** *moisture.* 030082
Relations between **soil** *moisture* content and crop yield on a Tonschwarzerde soil in the central part of the Thuringian Basin. 030182
Studies on a climosequence of soils in tussock grasslands. 4. Respiratory activities and their relationships with temperature, *moisture,* and **soil** properties. 030268
Temperature distributions [in air-dry and *moist* **soil]** under stones submitted to a diurnal heat wave. 030346
Balance of **soil** *moisture* in grain-sugarbeet crop rotation. 030383
Snow management on the Canadian prairies [as an additional source of **soil** *moisture].* 030706
Effect of liman irrigation [snowmelt runoff] on **soil** *moisture* content and productivity of rangelands. 030761
The influence of duration of warm, cold-dry and *cold-moist* **storage** on development and flowering of Freesia plants. 027090
Preservation of **stored** *moist* maize-grain in a plastic enclosure, while waiting for drying. 023017
Moisture **stream** application for comparison of agricultural drum driers of fodder. 023074
Phosphorus uptake by soybeans as influenced by [soil] *moisture* **stress** in the fertilized zone. 026891
Soil-moisture **studies** in fallow-barley rotation under mulches, antitranspirant and type of seed bed. 027425
Moisture **supply** and yield of sugarbeets in various groups of rotated crops. 027560
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under **two** *moisture* levels. 028430
Determination of *moisture* in **wood-based** materials treated with oil [Wood industry]. 025371

MOLAR

Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and *molar* **proportion** of volatile fatty acids, and dry matter digestibility. 023781

MOLASSES

The determination of sucrose in **cane** final *molasses.* 022854
Collaborative study on the determination of trace elements in dried sugarbeet pulp and *molasses.* 1. **Mercury.** 022859
Record world sugar and *molasses* **production** in 1975/76. 021642
Utilization of rice straw by water buffalo when supplemented with *molasses* and **urea.** 023847

MOLD

Synthesis of versicolorin A by a mutant strain of [the *mold]* **Aspergillus** parasiticus [Fungi] deficient in aflatoxin production [Heritability]. 026187
Selective submerged productions of three types of glucoamylases by a **Black-koji** *mold* [Aspergillus awamori]. 026348
Effects of baking technology on the combination of *mold* **control** products and amylase preparations. 021892
Moldy **[Fusarium** graminearum] wheat refusal by swine. 023896
Advice for production of wine from grapes affected by **gray** *mold* [Botrytis cinerea]. 022961
Control of **gray** *mold* (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, toxicity, etc.). 028087
Moisture absorption, *mold* **growth,** and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176
Problems with *molds* and **mycotoxins** in poultry feeds [Mycotoxicosis]. 023060
Preliminary studies on the incidence of *molds* on **pecan** nuts during harvesting and drying [Aspergillus flavus, Aspergillus parasiticus]. 028039
Examination of Swiss cheese for incidence of mycotoxin **producing** *molds.* 021925
Genetic control of development of the cellular **slime** *mold,* Dictyostelium discoideum. 026086
Structural organization and processing of the genetic transcript in the cellular **slime** *mold* Dictyostelium discoideum. 026149
Morphogenesis in the **slime** *mold* Dictyostelium discoideum. 1. The accumulation and erasure of "morphogenetic information. 026535
Dictyostelium [discoideum, cellular **slime** *mold]* aggregate-less mutant plasma membranes. 026559
Cyclic AMP [adenosine monophosphate]-induced changes in protein synthesis in a cellular **slime** *mold,* Polysphondylium pallidum. 026689
Signal input for a chemotactic response in the cellular **slime** *mold* dictyostelium discoideum. 026814
Metabolism of radioactive antheridiol by Achlya species **[Water** *molds].* 026379
Growth and differentiation of the **water** *mold* Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and protein synthesis [Fungi]. 026390
White *mold* [Whetzelinia sclerotiorum] of beans. 027957

MOLDBOARD

Force versus width of cut for *moldboard* **[plow]** bottoms. 029979

MOLECULES

Ovalbumin mRNA and ovalbumin DNA and the *molecular* **biology** of steroid hormone action [Chicks]. 023197
Influence of glucosinolates and *high-molecular* **factors** on the nutritional value of low-glucosinolate rapeseed meal. 022147
Effect of [herbicide] *molecules* with **hormonal** properties on phenylalanine ammonia lyase activity [in tobacco and wheat]. 028537
Inter-and *intramolecular* effects of tyrosyl residues on flavin triplets and radicals as investigated by flash photolysis [Flavoproteins]. 022195
The absorption by boar spermatozoa of zinc bound to **low** *molecular* weight ligands. 024129
Molecular **mobility** and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. 023301
Intracellular distribution and **multiple** *molecular* forms of ribonucleases in pea (Pisum sativum) seedlings. 027288
Multiple *molecular* forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). 028276
Molecular **sizes** of polysaccharides liberated from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
The crystal and *molecular* **structure** and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different spectral forms of chlorophyll a [Ailanthus altissima]. 026620
The crystal and *molecular* **structure** of ethyl chlorophyllide b dihydrate at -153 degrees [Ailanthus altissima]. 026621
Factors affecting the *molecular* **structure** and the agglutinating ability of concanavalin A and other lectins [Kidney beans, wheat, soybeans]. 026954
Polytene chromosomes: differences in *molecular* **structure** as revealed by metachromatic basophilia [Rhynchosciara americana]. 029306
Vitamin B6-responsive and -unresponsive cystathioninuria: two **variant** *molecular* forms. 022206
Molecular **weight** and amino acid composition of purified spinach beet phenolase. 027247

MOLLUSKS

Biological active principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs contained saponin [isolated from **Aesculus** *turbinata].* 026654
Tetrapion: evaluation for the control of rhizomatous grasses [Pennisetum clandestinum, Agropyron repens, Cynodon dactylon, **Agrostis** *tenuis]* and toetoe [Cortaderia fulvida]. 028571
Occurrence of **Alaria** *alata* (Diplostomidae: Digenea) from the red fox in Hokkaido, Japan. 024624
Effect of native carbon sources and pH [hydrogen-ion concentration] on the pectolytic enzymes of Alternaria solani and **Alternaria** *tenuis.* 028078
Evaluation of newly synthesized insect growth regulators against Anopheles quadrimaculatus, **Anopheles** *albimanus,* and Aedes taeniorhynchus. 029041
Pupal pleomorphism in a strain of **Anopheles** *albimanus* from El Salvador. 029054
The pattern of reactivation of diapausing larvae in the blowfly, **Calliphora** *vicina.* 029421
A new race of **Drechslera** *turcica* on maize in New South Wales. 027866
Biological control of snail-borne diseases. Studies on the competitive exclusion between Physa acuta, Draparnaud and *Biomphalaria* **glabrata,** Say. 024491
Biological control of snail-borne diseases. Study on predatory capability of Hirudo medicinalis (Gnathobdelliformes: Hirudidae) Linne against *Biomphalaria* **glabrata** Say. 024492
Alternaria *[tenuis]* **rot** of sunflower in Kuban. 028008

MOLT

Moulting **hormone** and cuticle synthesis by epidermal cells of in vitro cultured cockroach embryos [Blabera cranifer]. 029271
Effects of cautery of the pars intercerebralis on the *moulting* **process** in Aeshna cyanea larvae. 029264
Surface *molting* behavior and its possible respiratory significance for a gaint water bug Abedus herberti Hidalgo (Hemiptera: Belostomatidae). 029469

MOLYBDENUM

Phytosociological changes in permanent grasslands on pumice soils caused by *molybdenum* **application.** 025861
Thiomolybdates and the *copper-molybdenum-sulphur* **interaction** in ruminant nutrition [Sheep]. 023752
The role of organic sulphur in the *copper-molybdenum-S* **interrelationship** in ruminant nutrition [Sheep]. 023709
Mo *[molybdenum]* and N **[nitrogen]** effects on growth, yield, and Mo composition of burley tobacco. 026890

MONEY

Cages—Are they costing you *money!* **[Chickens].** 021427
Steps into spending **[Home** *money* management]. 022228
Effect of six 4-year rotations on yield, quality, and *monetary* **return** of sugarbeets in the Red River Valley (1971-74). 027527
How two lunch programs **save** *money* [in Oklahoma and New Jersey]. 021719
How much *money* do you **throw** away with food packaging? 022344
World *monetary* conditions in relation to agricultural trade. 021651
Your *money's* **worth** in food [Recipes]. 022199

MONIEZIA

In vitro hatching of the **tapeworm** *Moniezia* expansa (Cestoda: Anoplocephalidae) and some properties of the egg membranes [Sheep]. 024789

MONILINIA
Capsidiol induction in pepper fruit during interactions with Phytophthora capsici and *Monilinia* **fructicola.** 028049
Ultrastructural changes in pepper cells in interactions with Phytophthora capsici (isolate 18) and *Monilinia* **fructicola.** 028063
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing *[Monilinia* **fructicola,** Monilinia laxa, Rhizopus stolonifer]. 028073
Mode of action of a new fungicide, S-1358 *[Monilinia* **fructigena].** 027973
Monilinia **[laxa]** life cycle on sweet cherries and its control by overhead sprinkler fungicide applications. 028072
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, *Monilinia* **laxa,** Rhizopus stolonifer]. 028073
Aerial application of systemic and nonsystemic fungicides for control of mummy berry disease *[Monilinia* **vaccinii-corymbosi]** of highbush blueberry. 028066

MONITORING
Frequency analysis of cyclic phenomena in flowing streams [to *monitor* **concentrations** of nutrients, including various species of carbon, nitrogen, and phosphorus]. 030856
Monitoring **disposal-well** systems [surveillance of the quality of surface and ground waters]. 030867
Monitoring and **evaluating** the physiological changes in the horse with acute abdominal disease. 024870
An application of the aerial **gamma** *monitoring* techniques for measuring snow cover water equivalents on the Great Plains. 030700
Micro-ecosystem *monitors* [Colletotrichum gloeo for biological control of Aeschynomene in rice]. 028487
Attractants for *monitoring* **Pectinophora** scutigera and related species in Australia [Cotton]. 028725
Grape **pest** *monitoring* improved with sex traps and aerial photography [Insects]. 028891
The value of worldwide pesticide **residue** *monitoring* systems. 029177
Problems in *monitoring* **snowfall** at Akron, Colorado. 030704

MONKEYS
Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in *monkey* **fecal** samples [Human toxicology]. 029117
Experimental fascioliasis in monkeys. I. Parasitological, clinical and pathological observations on *monkeys* **infected** with the "Japanese species" of Fasciola. 024629
Safety of heavy metals as nutritional markers **[Mice,** *monkeys].* 021876
Malnutrition studies in *Macaca* **mulatta.** IV. Energy and protein consumption during growth failure and "catch-up" growth. 022005
Experimental fascioliasis in *monkeys.* I. **Parasitological,** clinical and pathological observations on monkeys infected with the "Japanese species" of Fasciola. 024629
Evaluation of primary blood monocyte and bone marrow cell culture for the isolation of Rickettsia rickettsii [Guinea **pigs,** *monkeys].* 024574
The effects of tolbutamide on the development of atherosclerosis in **rhesus** *monkeys* fed an average American table-prepared diet. 021992
The evaluation of the teratogenic effects of 2,4,5-trichlorophenoxyacetic acid [herbicide] in the **rhesus** *monkey.* 029099

MONOAMINES
The relative importance of *monoamine* **oxidase** and catechol-O-methyl transferase on the physiologic response to administered norepinephrine in the turkey. 023382

MONOCHAMUS
Comparison of toxicity between organophosphorus toxicants and ethylene dibromide, alone and in combination, to *Monochamus* **alternatus** Hope (Coleoptera: Cerambycidae. I. The. 028949

MONOCHRYSIS
Sulphate uptake and metabolism in the chrysomonad, *Monochrysis* **lutheri** [Yellow-green alga]. 026381

MONOCROTOPHOS
Monocrotophos **[Residues].** 029138

MONOCULTURES
Test in view of reducing the effects of *monoculture* on **wheat** by the application of various cultural measures. 027501

MONOETHANOLAMINE
Determining polyester in cotton/polyester blends with *monoethanolamine* **solvent.** 022840

MONOLAYER
Some studies on the production of goat kidney cortical **cell** *monolayers.* 023368
Plaque assay of rabies virus on porcine kidney **cell** *monolayers.* 024592
Production by creatine of creatine kinase B synthesis in **developing** *monolayer* culture muscle cells [Chick embryos]. 023312

MONOMER
Monomers in **packaging** materials [Consumer protection]. 021941

MONOPHOSPHATES
Cyclic AMP **[adenosine** *monophosphate]* in longissimus muscle from control and stress susceptible pigs. 022675
Effect of the physiological state and cyclic 3'5' **adenosine** *monophosphate* on the intracellular transit and excretion of milk proteins. Autoradiographic study in the. 023532
Cyclic AMP **[adenosine** *monophosphate]* phosphodiesterase activity in Fasciola hepatica (L.) homogenates. 024407
Cyclic AMP **[adenosine** *monophosphate]-induced* changes in protein synthesis in a cellular slime mold, Polysphondylium pallidum. 026689
Regulation of activity of glutamine synthetase from pea seeds by keto acids and **AMP** *[adenosine-5'-monophosphate].* 027134
Characterisation of the adrenoceptor mediating changes in cyclid adenosine 3'-5' *monophosphate* in **chick** cerebral hemispheres. 023592
Effect of depolarizing agents on the *adenosine-3'5'-monophosphate* **content** of the bovine superior cervical ganglion. 023593
Hydrolysis of cyclic **guanosine** *3',5'-monophosphate* in tissues of Schistocerca gregaria (Forsk.) (Orthoptera). 029441

MONOSACCHARIDE
Study of the composition of *monosaccharides* in **sulphite** media by the method of paper chromatography [Wood hydrolisis]. 025332

MONOXIDE
Effects of hypoxic and CO **[carbon** *monoxide]* hypoxia on isolated hearts [Dogs]. 023463

MONTANE
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the wet upper *montane* **region** of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. 023723
The evaluation of ecological factors in growing Jerusalem artichokes in submontane and *montane* **regions.** 027654

MOOR
Effect of manganese and sulphur fertilization on growth and yield of onions grown on alkaline **low** *moor* peat soil. 030395

MORPHACTIN
Effects of *morphactin* on the **growth** and amino acids content of lentil roots. 027149
The effect of *morphactin* on the **nutrient** concentration of snapdragons [Antirrhinum majus]. 027190

MORPHOGENETIC
Studies on Kallymenia (Cryptonemiales, Kallymeniaceae). II. Development of spores and *morphogenesis* **[Algae].** 026855
Correlations and *morphogenesis* in **Chara** vulgaris L. [Algae] cultivated in vitro. 026827
Morphogenesis in the slime mold Dictyostelium discoideum. I. The accumulation and erasure of *"morphogenetic* **information.** 026535
Insect *morphogenetic* hormones and developmental mechanisms in the nematode, Nematospiroides dubius. 029311
Morphogenesis in **Selaginella** [willdenovii]. III. Meristem determination and cell differentiation. 026536
Morphogenesis in the **slime** mold Dictyostelium discoideum. I. The accumulation and erasure of "morphogenetic information. 026535

MORPHOLOGY
Effects of developmental photoperiod on **adult** *morphology* in Euschistus tristigmus tristigmus (Say) (Hemiptera: Pentatomidae). 029218
Centrosperm studies. 8. Contribution to the *morphology,* **anatomy** and systematic position of Gymnocarpos Forsk. and Paronychia argentea Lam. (Caryophyllaceae). 025616
The relationship between multistaminate and simple **Androeceae** *[Morphology].* 025961
Taxonomic implications of doryline worker **ant** *morphology:* Cheliomyrmex morosus (Hymenoptera: Formicidae). 029534
Morphological **aspects** of the congenital torticollis in the Japanese quail (Coturnix coturnix japonica). 024864
Development of "nose fruit" of Kopsia flavida **Bl.** *[Morphology].* 025953
The pollen *[morphology]* of **Bleasdalea** and related genera ofProteaceae. 026047
Action of "colonie lisse" mutation on **cell** *morphology* of Saccharomyces cerevisiae [Yeast]. 026117
Salivary glands of female Culex pipiens: *morphological* **changes** associated with maturation and blood-feeding. 029004
Heredity of some less-frequent phenotype manifestations of *morphological* **characters** in sunflower (Helianthus annuus L.). 026243
Morphological and **chemical** study on grain characteristics of indigenous Thai rice variety. 022810
Morphological and **chemical** indices of eggs of hybrid and line-bred poultry with varying levels of nutrition. 024241
Morphological and **chemical** evolution of chromatin during spermiogenesis of the locust Locusta migratoria. 029434
A possible strategy of **comparative** *morphology* for phylogenetic reconstruction [Plants]. 025614
Comparative *morphology* of the Cyanophycea Clastidium setigerum and related genera. 026044
Comparative *morphology* of the male genitalia in the subfamily Hydrophilinae (Coleoptera, Hydrophilidae). I. Tribe Hydrophilini. 029228
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins **constituting** *morphological* structures [Wool, mohair, dog hair]. 022767
Additional data on *morphological* and **cytochemical** features of the Golgi apparatus in vegetative cells of the chlorophycean alga Ulva lactuca L. (Ulvales). 025966
Morphological and **cytological** differences within the species Lupinus luteus L. [Yellow lupine]. 025577
Luteinizing hormone, progesterone and the *morphological* **development** of normal and superovulated corpora lutea in sheep. 024056
Morphology, **development,** and cytochemistry of the hyphae and sclerotia of species in the Rhizoctonia complex [Fungi]. 025982
An analysis of variation within white oak (Quercus alba L.) *[Morphology* and **ecology].** 026069
Some observations on the *morphology* of **Enteromorpha** linza (L.) J. Ag. and Enteromorpha compressa (L.) Grev. in axenic culture [Algae]. 025962
Studies on viral pathogenesis in plant hosts. VII. Symptoms and **external** *morphology* of 'Samsun' tobacco plants following systemic infection with tobacco mosaic virus. 028258
Interpretative **floral** *morphology* of the Cyperaceae on the basis of the anthoid concept. 025931
The **floral** *morphology* of Barneoudia Gay (Ranunculaceae). 025960
Morphology and **function** of the testa of dust forming seeds. 025957
Spindle and **kinetochore** *morphology* of Dictyostelium discoideum [Fungi]. 026022
Studies on the *morphology* of **larval** stages of Anomotaenia constricta (Cestoda, Cyclophyllidea) from the hemocoele of the beetle Pimelia sulcata. 029512
Morphology of the **male** sex organs, spermatophore formation and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). 029198
Amino acid specters of leaves of cassave clones that are *morphologically* very different **(Manihot** esculenta Crantz (=Manihot utilissima Pohl.)). 026913
Micrómorphological, **mineralogical** and chemical characteristics of some Alpine soils and their genetic implications. 030194
The behavior of fibroblasts from the developing avian cornea. *Morphology* and **movement** in situ and in vitro [Chick embryos]. 023499
Impatiens balsamina gynoecium. *Morphological* **ontogenic** and tetratologic studies. 025981
Pathological *morphological* variations of electrocardiogram [Dogs, heart diseases, diagnosis]. 024892
Morphological, **physical** and chemical features of red clover, importat for the drying process. 027042
On the relationship between sheath lobes and stipules **[Plant** *morphology].* 025958
Smiple carpels **[Plant** *morphology].* 025959
Relationships between the wave form of ECG [electrocardiogram] and the *morphological* **properties** of the heart in the developing chick embryo. 023575
Physiological and *morphological* **properties** of the Japanese black and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Yield and *morphological* **response** of rape (Brassica campestris L. cv. Span) to irrigation and fertilizer treatments. 027385
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, **root** *morphology,* transpiration and nitrogen absorption [Maize, barley]. 027061
Revision of the Seuratiaceae. I. *Morphology* of **Seuratia** [Fungi]. 025983
Shoot *morphology* and taxonomic position of Carex curvula All. 025750
The *morphology* of **spontaneous** pulmonary adenomatosis in sheep. I. Histological findings on the tumour stroma. 024936
Action of alkalis on keratinic fibers in relation to *morphological* **structure.** 1. Action of alkalis on the disulfide bridge of cystine in relation to morphological structure [Wool]. 022660
Action of alkaloids on keratinic fibers in relation to *morphological* **structure.** II. Action of alkalis on proteins constituting morphological structures [Wool, mohair, dog hair]. 022767
Embryological and *morphological* **studies** of plants from the West Indies. 1. Embryologie of Capraria biflora L. (Scrophulariaceae). 025955
Morphological **study** of the kidney in the fowl. II. Renal portal and venous systems. 023569
First indications on the mycorrhiza and micorrhizal fungi of exotic [Pinus] plantations of Upper Shaba (Zaire Republic) *[Morphological* **study].** 025963
Morphological-anatomic **study** of Pulsatilla violacea Rupr. And Pulsatilla aurea (N. Busch) Juz. during ontogenesis. 026038
Contributions to the *morphology* and **systematics** of Klugieaeand Loxonieae (Gesneriaceae). I. Shoot and inflorescence organization of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. 025952

Indian bark and timber beetles. VI. 312 contribution to the *morphology* and **taxonomy** of the Scolytoidea [New taxa]. 029676
A noteworthy fruit stock in Oenanthe [prolifera] **(Umbelliferae)** *[Morphology].* 025951
Morphological **variability** among loblolly [Pinus taeda] and shortleaf [Pinus echinata] pines of east Texas with reference to natural hybridization. 025182

MORTALITY
Population and *mortality* **assessment** during the cocoon stage of the alfalfa weevil, Hypera postica (Coleoptera: Curculionidae). 029286
The interaction of nutrition and body condition at mating on ovulation rate and early **embryo** *mortality* in Scottish Blackface ewes. 024087
Physiological temperature response and **embryonic** *mortality* in stressed swine. 023224
Embryonic *mortality* during the pre- and post-implantation periods of pregnancy in mature mice after superovulation. 024119
Trends in **infant** *mortality.* North Carolina: 1940 to 1970 [Rural health]. 021129
Relationships of birthweight, maternal nutrition and **infant** *mortality.* 022185
Factors in disease and *mortality* of **lambs.** 024390
Mortal **poisoning** of chickens by ivy [Hedera helix] seeds. 024985
Beet armyworm [Spodoptera exiqua]: *dosage-mortality* **studieson** California and Florida strains. 028662
Mortality of **three** stored product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. 028981

MORTEM ***see*** **DEATH**

MORTIERELLA
Effect of nutrient starvation on the utilization of storage lipids in *Mortierella* **ramanniana** [Fungi]. 028394
Degradation of raffinose and stachyose in soybean milk by alpha-galactosidase from *Mortierella* **vinacea.** Entrapment of alpha-galactosidase within polyacrylamide gel. 022781

MORUS
The importance of nitrogen planning in sericulture *[Morus,* **fertilizers].** 030474
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry *[Morus]* **harvesting** by machine. 021254
Abnormalities in the development of male gametophyte in *Morus* **laevigata.** 025998
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry *[Morus]* **leaf.** 026433
Mulberry *[Morus]* **mosaic** disease in Thailand [caused by Phyllactnia corylae]. 028085
Study on varietal reaction to root rot disease of **mulberry** *[Morus].* 028427

MOSAIC
Virus concentrations and chlorophyll levels in celery plants affected by cucumber mosaic virus and **alfalfa** *mosaic* virus, after treatment with gibberellin. 028235
Investigation of **alfalfa** *mosaic* virus transmission through alfalfa seed. 028255
Occurrence an incidence of cucumber mosaic virus and **alfalfa** *mosaic* virus on celery in Israel. 028265
Translation of **alfalfa** *mosaic* virus RNA's in mammalian cell-free systems. 028286
A member of the **apple** *mosaic* virus group occurring in Rubus. 028167
Preliminary identification of the viruses producing Spanishapricot pseudopox (viruela) and **apricot** *mosaic* diseases. 028191
A new Dow treatment is efficient in the control of hops **arabis** *mosaic* virus. 028215
Effect of a non-localized infection by southern **bean** *mosaic* virus on a cell wall glycoprotein from bean leaves. 028260
The in vitro synthesis of viral protein and its regulation [**Brome** *mosaic* virus]. 028246
The nature of [kidney] bean yield reduction by bean yellow and bean **common** *mosaic* viruses. 028263
Studies on the infection with **cowpea** *mosaic* virus. 028243
Studies on the **cucumber** *mosaic* virus in tobacco. 028220
Serological identification of **cucumber** *mosaic* virus by means of simplified precipitation tests (Short communication). 028221
Virus concentrations and chlorophyll levels in celery plants affected by **cucumber** *mosaic* virus and alfalfa mosaic virus, after treatment with gibberellin. 028235
The entry and spreading of **cucumber** *mosaic* virus [Cowpeas]. 028245
Occurrence an incidence of **cucumber** *mosaic* virus and alfalfa mosaic virus on celery in Israel. 028265
Systemic infestation by **cucumber** *mosaic* virus on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Mulberry [Morus] *mosaic* **disease** in Thailand [caused by Phyllactnia corylae]. 028085
Aphid transmission and epidemiology of barley yellow dwarf and maize **dwarf** *mosaic* in southern France. 028696
Pea **enation** *mosaic* virus resistance among commercial breeding lines of Pisum sativum. 028266
Triploidy and **haploid-triploid** *mosaicism* among chick embryos (Gallus domesticus). 024059
A **leaf** *mosaic* in the Russian apple clone R 12 740-7A connected with a strain of cherry necrotic ringspot virus. 028166
New improved kidney bean varieties for internal comsumption and export [Breeding for *mosaic* **resistance,** Chile]. 026281
Relation between ectodesmata and infection of wheat leaves by wheat **streak** *mosaic* virus. 028163
Influence of sowing dates, soil amendments, and cultivars on wheat spindle **streak** *mosaic* in winter wheat. 028231
Wheat spindle **streak** *mosaic* virus in Kentucky. 028270
Concentration of the barley **stripe** *mosaic* virus during disease development. 028159
Influence of chloroform evaporation on isolation and infectivity of barley **stripe** *mosaic* virus. 028161
Sugarcane *mosaic* virus in sorghum. 028165
Strain changes in populations of **tobacco** *mosaic* virus from tomato crops. 028218
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of **tobacco** *mosaic* virus in hypersensitive hosts of the genus Nicotiana. 028222
Model system for the adsorption of **tobacco** *mosaic* virus. 028240
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with **tobacco** *mosaic* virus. 028258
Staining reactions of the tissue bordering lesions induced by wounding, **tobacco** *mosaic* virus, and tobacco necrosis virus in [kidney] bean. 028262
Variability of **tobacco** *mosaic* virus in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and cross protection. 028272
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against **tobacco** *mosaic* virus (TMV). 028276
Variability of tobacco mosaic virus in relation to control of **tomato** *mosaic* in glasshouse tomato crops by resistance breeding and cross protection. 028272
Spreading of the *mosaic* **virus** on corn during vegetation. 028164
Mosaic **[virus]** and little leaf of chili pepper. 028271
Two isolates of **watermelon** *mosaic* virus isolated from pumpkin leaves. 028213
Partial purification and serological relationship of three strains of bean **yellow** *mosaic* virus [Kidney beans, peas]. 028217
Turnip **yellow** *mosaic* virus-RNA replication in Chinese cabbage. 028247
Resistance in Glycine max [soybean] to isolates of bean **yellow** *mosaic* virus in New York State. 028268

MOSQUITOES
Basic concepts of biological control in an integrated program of *mosquito* **abatement.** 029059
Current status of *mosquito* **abatement** programs in Utah. 029062
Some legal aspects of *mosquito* **abatement.** 029066
Laboratory non-thermal aerosol tests of insecticides for the control of **adult** *mosquitoes* [Aedes taeniorhynchus, Culex nigripalpus]. 029049
Ultralow volume ground aerosols of propoxur (Baygon MOS) for control of **adult** *mosquitoes* [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029056
Linkage of a gene for DDT-resistance in adults of the *mosquito* **Aedes** aegypti. 029005
A computer simulation model for population studies of woodland pool **Aedes** *mosquitoes.* 029009
Vector control activities in the West Central region of the **American** *Mosquito* Control Association. 029069
Genetic studies on mechanisms influencing the susceptibility of **anopheline** *mosquitoes* to plasmodial infection [Plasmodium gallinaceum, Anopheles stephensi]. 029044
Comparison of two aerosol generator nozzle systems: estimates of droplet size and **caged** *mosquito* assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029968
California *mosquito* control for 1974. 029060
Mosquito and **chironomid** midge control by planaria [Insect pests, biological control]. 029001
Mosquito **collections** in El Salvador with ultraviolet and CDC miniature light traps with and without dry ice. 029051
Obituary: Robert L. Vannote *[Mosquito* **control].** 029052
Chemical **control** *[Mosquitoes].* 029061
Mosquito **control** in Virginia. 029064
Radio communications in *mosquito* **control**—1974. 029065
Multiplication if Venezuelan equine encephalitis (Mucambo) virus in **cultured** *mosquito* cells [Aedes aegypti, Aedes albopictus]. 024424
Literature references to mosquitoes and *mosquito-borne* **diseases.** IV. 029050
Field investigations on Aedes **fitchii** *mosquito* populations in a woodland pool ecosystems. 029043
Physiological basis of host susceptibility of **Florida** *mosquitoes* to Dirofilaria immitis. 029416
Comments on reproductive isolation and phylogeny of *mosquitoes* of the **genus** Aedes. 029635
Establishment and recycling of a mermithid nematode [Reesimermis nielseni] for the control of *mosquito* **larvae** [Anopheles crucians]. 029040
Field observations on a promising growth regulator for *mosquito* **larvae.** 029063
Mosquito **larvae.** III. The hairiness factor again? 029637
Literature references to *mosquitoes* and **mosquito-borne** diseases. IV. 029050
Collection records of the **project** *"mosquitoes* of Middle America." 2. Puerto Rico (PR,PRA,PRX) and Virgins Islands (VI,VIA). 029634
A concept of administrative source **reduction** *[Mosquitoes].* 029058
Activity and longevity of insect growth **regulators** against *mosquitoes.* 029023
Mosquitoes of the **Ryukyu** Archipelago (Diptera: Culicidae). 029638
The establishment by the **Utah** *Mosquito* Abatement Association of an encephalitis surveillance program. 029067
The **Utah** *Mosquito* Control—Fish and Wildlife Management Coordination Committee. 029068
Diurnal rhythm, age, and other variables affecting **yellowfever** *mosquito* [Aedes aegypti] avidity and the laboratory assay of repellents. 029025

MOSQUITOFISH
Aldrin and dieldrin uptake in insecticide-resistant and **susceptible** *mosquitofish* (Gambusia affinis). 029085
Endrin uptake in insecticide-resistant and **susceptible** *mosquitofish* (Gambusia affinis). 029107

MOSS
New or **additional** *moss* records from Newfoundland. 025641
Ecology of *moss-living* **arthropods,** by the light of factorial analysis of correspondances: Collembola and Oribata of Sidobre (Tarn, France). 029462
Attempt at evaluation of the degree and rate of *moss* **decay** in a natural habitat. 026331
A *moss* **flora** of Iraq [Bryophyta]. 025693
A simple method for exposing plastic embedded structures for scanning electron microscopy [Peristome teeth of the *moss* **Funaria** hygrometrica]. 026028
Additional new and noteworthy records for **Hawaiian** *mosses.* 3. 025640
Mosses and **hepatics** from the Thule district, northwestern Greenland [New taxa]. 025586
Relationship between formation of gametophore buds in the protonema of *mosses* and **increase** in ribonuclease activity. 026336
The effect of seawater on the metabolism of some seashore and **inland** *mosses* [Grimmia maritima, Grimmia pulvinata, Tortella flavovirens, Ulota phyllantha]. 026694
The *mosses* of **Juan** Fernandez Islands. 025820
Recent literature on *Mosses.* 102. 025548
Moss **[Musci]** parasitic species of lichen genera Micarea and Vezdaea [New taxa]. 025619
A key and annotated synopsis of the *mosses* **[Musci]** of the northern lowlands of Devon Island, Northwest Territories, Canada. 025655
A key and annotated synopsis of the *mosses* of the **northern** lowlands of Devon Island, North West Territories, Canada. 025656
Checklist of the *mosses* of **Ontario.** 025805
Moss **regeneration** on the example of Aulacomnium palustre (Hew.) Schwaegr. 026335
Studies in Antarctic lichens. III. Notes on Rinodina olivaceobrunnea Dodge & Baker, from the Antarctic and *moss-inhabiting* **species** of Rinodina from other parts of the world. 025755
The demands set by programmed watering and feeding [of plants] on the growing medium [Peat, **Sphagnum** *moss].* 027636
Three interesting and **unusual** *mosses* discovered in east Tennessee [Funaria americana, Ptychomitrium serratum, Turtula ruralis]. 025645

MOTHERS
Nutritional disorders in **expectant** *mothers.* 022191
Summer sowings of *mother* **[plantations]** of sugarbeets as a factor of increasing the quality of polyploid seeds. 027514
The creation of *mother* **plantations** and nurseries for the production of vegetatively propagated tea transplants. 027863
Response to moisture of **pollen** *mother* cell meiosis in Coffea abeokutae Crames. 026025

MOTHS
Sex pheromone of the *moth,* **Antheraea** polyphemus. 029417
The **apple** *moth* [Carposapsa pomonella, control]. 028915
The control of diamond **back** *moth* [Plutella xylostella] and cabbage white butterfly larvae [Pieris rapae] with phenthoate. 028887
The analysis of **bee** *moth* larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Action of Bacillus thuringiensis preparation against larch **bud** *moth,* Zeiraphera diniana (Gn.), enhanced by beta-exotoxin and DDT. 028936
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic pressure regulators of *moth* **cell** growth. 029370
Identification of the female sex pheromones of the *moth,* **Chilo** suppressalis. 029412
Controlling tansy ragwort [Senecio jacobaea, biological control with **cinnabar** *moth].* 028516
Aminopeptidases in webbing **clothes** *moth* larvae [Tineola bisselliella]. Properties and specificity of the major enzyme of low electrophoretic mobility. 029384
Bibliography of the **codling** *moth* [Laspeyresia pomonella, fruits, walnuts]. 028152
Host race formation among sympatric apple, walnut, and plum populations of the **codling** *moth,* Laspeyresia pomonella. 028817
A study to suppress **codling** *moth* [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with sex pheromone traps [Apple pests]. 028827

Codling *moth* [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 egg development [Apples, pest control]. 028865
Removal of intact female reproductive organs from **codling** *moths* [Laspeyresia pomonella]. 029334
Response of newly hatched **codling** *moth* larvae (Laspeyresia pomonella) to water vapour. 029335
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), sex attractant of the **cotton** *moth* [Pectinophora gossypiella, control]. 028795
Migration of the armyworm Persectania **ewingii** *moths* in spring and the origin of outbreaks. 028658
Concentrated fruit juice as an attractant of the eastern **fruit** *moth* [Laspeyresia molesta, control]. 028902
A quick method for determining the cause and nature of cituns 'windfall' [attributed to **fruit-piercing** *moths* or windstorms] in Sierra Leone. 028296
Angoumois **grain** *moth* [Sitotroga cerealella]: chemical control of infestation in shelled corn. 028979
Investigations on the biology, damage, natural enemies and the chemical control measures of European **grapeberry** *moth* Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western part of Turkey. 028893
Activity of juvenile hormone analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the **gypsy** *moth* [Porthetria dispar, pest control]. 028644
Toxicity of carbaryl and diazinon to **gypsy** *moth* [Porthetriadispar] larvae: changes in relation to larval growth. 028665
Gypsy *moth* [Porthetria dispar] kairomones influencing behavior of the parasitoids Brachymeria intermedia and Apanteles melanoscelus. 028932
Viral release and membrane acquisition by budding through the nuclear envelope of hemocytes of the **gypsy** *moth,* Porthetria dispar. 029431
Entomophagous insects of the apple **leaf** *moth* [Natural control, Apanteles, Sympiesis, Anthocoris]. 028905
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian **meal** *moth* [Plodia. 028983
Mortality of three stored **product** *moths* [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. 028981
Experiment in the protection of oak [Quercus] groves from the oak **roller** *moth.* 028965
Symmocid *moths* (Lepidoptera) from Africa in the Museum d'histoire naturelle, Geneve [Dyscordaxis pygmeus, Afrosymmoca seydeli, new taxa]. 029688
Rearing **turnip** *moth* [Agrotis segetum] on a synthetic medium. 028913
Evaluating damage caused to a campground by Douglas-fir **tussock** *moth* [Orgyia pseudotsugata, Abies concolor]. 028960
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a sex pheromone of [the European grape **vine** *moth]* Lobesia botrana. 028894
Lysozymelike lytic enzyme of Streptococcus faecalis and itsrole in the larval development of **wax** *moth,* Galleria mellonella. 029426

MOTILITY

Perietal cell vagotomy in dogs. Influence on Heidenhain pouch acid secretion, serum gastrin concentration, gastric **emptying** and *motility.* 024308
An objective method for evaluating Angus and Hereford **sperm** *motility* [Beef cattle]. 024083
Reduced **sperm** *motility* in the isthmus of the rabbit oviduct. 024158
Effect of irradiation with 60Co [cobalt isotope] on transfer and *motility* of **sperm** and on mating of the tobacco budworm[Heliothis virescens]. 028739
Effects of freezing processes of boar semen on *motility* of **spermatozoa** and conception rate. 024204
The influence of prostaglandins on the in **vitro** *motility* of the oviduct of the laying hen. 024256
Some physiological characteristics of *motility* in the in **vivo** avian oviduct [Chickens]. 024039

MOTIVATION

Achievement *motivation,* socio-economic status [of farmers] and the green revolution. 021758

MOTONEURONS

Possible biochemical explanation for specific reformation of synapses between muscle and **regenerating** *motoneurones* in cockroach [Periplaneta americana]. 029459

MOTORS

Mathematical modeling of the process of sawing with *motorized* **chain** saws. 025394
Modulation of the photically evoked potentials in the *motor* **cortex** of cats by influences of the somatosensor system and reticular formation. 023175
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of Antheraea polyphemus (Lepidoptera). II. Changes after *motor* **nerve** section. 029294
The postnatal development of some twitch and fatigue properties of **single** *motor* units in the ankle muscles of the kitten. 023192
Studies of some twitch and fatigue properties of different *motor* **unit** types in the ankle muscles of the adult cat. 023188

MOTTLE

Dual infection of Roundel cherry with **ring** *mottle* and European rusty mottle viruses. 028177
Studies on the [Canna] *mottle* [**virus**] disease of Canna indica L. 028251

MOUNDS

Growth of *mounds* and **foraging** territories in Odontotermes redemanni (Wasmann) (Isoptera: Termitidae). 029375

MOUNTAINS

Chromosome numbers of certain species of flowering plants in the flora of the **Aragats** *Mountain* Range [Cytotaxonomy]. 025690
Agriculture in hill and *mountain* **areas** [Bibliography]. 021080
Forage crop producing in hill and *mountain* **areas.** Foundations for the organization of cultivation. 021274
Planktonic diatom fluctuations in a Northern **Arizona** *Mountain* Lake. 026834
On some *mountainous* **Canthonina** (Coleoptera, Scarabaeidae) from Madagascar [New taxa]. 029536
The river birch Betula obscura in the West **Carpathian** *Mountains.* 025681
New species and varieties in the genus Astragalus from Kopet **Dagh** *mountains.* 025708
Certain problems of poplar seedlings cultivation in conditions of the *mountainous* **forest** zone of Mongolia. 025243
National parks in the spatial system of protection of the nature of the Tatry, Pieniny and Babia **Gora** *mountains* [Poland, Czechoslovakia]. 030829
Sexual reproduction of *mountain* **hemlock** (Tsuga mertensiana). 025181
Macromycetes [Fungi] of bushy and ericaceous tundra in the valleys of Great and Small Vud"iavrs Lakes in the **Khibiny** *Mountains.* 025744
Annual report of the Tussock Grasslands and *Mountain* **Lands** Institute for the year 1973/74. 027502
Barking by red deer in *mountain* **localities.** 025026
Descriptive flora of the **Nimba** *mountains.* 3. [New taxa]. 025740
Descriptive flora of the **Nimba** *mountains.* 4. Descriptive inventory of the flora of the Nimba mountains (Ivory Coast, Guinea, Liberia). 4. [New taxa]. 025741
Nature reserve "Biala Wodo" [White Water] in Little **Pieniny** *mountains.* 030831
Materials on Acaridae, the parasites of *mountain* **rams** and wild hoofed animals of Badkhyz. 029020
Problems of agriculture in the *mountainous* **regions** of selected western European countries (review) [Economic aspects]. 021224
Effect of the rearing in *mountainous* **regions** on the productivity of beef cattle. III. Results of the fattening experiments. 023780
Conditions of formation and regional evaluation of subsurface discharge in *fold-mountain* **regions** (as exemplified by the basin of the Chusovaya River in the middle Urals) [Groundwater]. 030754
A new species of Cortinarius (Telamonia) [ahsii, Fungi] from the **Rocky** *Mountains.* 025764
Deterioration of aspen [Populus tremuloides] clones in the middle **Rocky** *Mountains* [Regeneration]. 027344
Modeling the effect of waste discharges in a **small** *mountain* stream [Water quality control]. 030818
"The noiseless zone" at the foot of the **Tatry** *Mountains* [Forests, recreational uses]. 025021
Insects perish on tourist trails in the **Tatry** *Mountains.* 029556

MOUNTING

Development of measuring methods and a measuring frame for the examination of *mounted* **equipment.** 030095
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in *mounting* and **mulberry** [Morus] harvesting by machine. 021254
Dynamics of *mounted* **tillage** assemblies [Plows, designs]. 030131
Theory of *mounted* **tillage** assemblies [Plows, designs]. 030139
Permanent preparations of sweetwater algae. VI. Enclosure in **water-soluble** *mounting* media (sealing varnish). 025560

MOUTH

Most frightening of farm scourges: *foot-and-mouth* **disease.** 024502
Further studies of *foot-and-mouth* **disease** virus strains under type group (A) by complement fixation test in Iran [Cattle]. 024548
Isolation of *foot-and-mouth* **disease** virus from recovered animals [Cattle, goats, sheep, buffaloes]. 024564
Variation among strains of type A *foot-and-mouth* **disease** virus in the Eastern Mediterranean region 1964-1972. 024606
Indirect complement fixation in foot and *mouth* **disease** (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth disease viral antigens.). 024674
Serological variation of foot and *mouth* **disease** A-type fromSong Khla. 024677

MOVEMENT

Moving **bees.** 029795
Postural adjustment associated with *movement* in the **cat.** 023353
Animal health considerations involved in the *movement* of U. S. **cattle** to Haiti [Infection with Babesia, Anaplasma, and Boophilus ticks]. 024720
Anatomy and *movement* of the **column** in Stylidium. 025946
Movement of **cranes** on a rigging basis [Logging equipment]. 025443
Relationship between leg troubles and *movement* **defects** and fattening performance, carcass yield and retention capacity [Swine]. 024815
The C 40 *moving* **farm** container [Manure spreaders]. 030039
Farmer's *movement* in the latter half of the 19th century in U.s.a. 2. 021136
Movement of **feral** pigs in North Canterbury, New Zealand [vectors of contagious disease, cattle, sheep]. 024607
Experimental investigation of **fiber** *movement* in the displacement section of a staple cutting machine. 022771
Movement of **herbicide** effects within gorse [Ulex] plants. 028559
Transport mechanism in soil. Metabolism and *movement* of **insecticides** from soils into water and crop plants. 030330
Photoperiodic time measurement and circadian **leaf** *movement* in Pharbitis nil controlled by the same clock? 026863
The **mediate-indirect** *movement* of the elytra in the rhinoceros beetles (Orystes boas Fabr., Coleoptera). 029518
Movement of **methyl** 2-benzimidazolecarbamate into soybean seeds after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. 028056
Organic and inorganic P [phosphorus] content, *movement* and **mineralization** of P in soil beneath a feedlot [Cattle, manure, disposal]. 030823
Movement of **mirex** from sediment and uptake by the hogchoker, Trinectes maculatus. 029088
A **new** *movable* equipment to remove honey. 022441
Experimental study of **non-uniform** *movement* of water parachutes [Hydrodynamics, log rafts]. 025392
Surfactants and the uptake and *movement* of **paraquat** in plants. 028533
Autonomous **pigment** *movement* in the radial pupil of locust ocelli [Valanga nigricornis, Austracorus guttulosa]. 029453
Cybernetic principles of investigating problems of control of the *movement* of **regional** groundwater flows. 030757
A microscopic-scale model of soil water uptake and **salt** *movement* to plant roots. 026832
Some environmental factors affecting the daily and **seasonal** *movements* of the salt marsh greenhead, Tabanus nigrovittatus. 029012
Persistence and *movement* of **simazine** [herbicide] in soil. 029140
The behavior of fibroblasts from the developing avian cornea. Morphology and *movement* in **situ** and in vitro [Chick embryos]. 023499
Napropamide adsorption, desorption, and *movement* in **soils.** 028620
Interrelations between sulphur dioxide pollution and **stomatal** *movement* in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Moving? **Traveling?** Trading plants? Leave pests behind [Quarantine]. 028410
Effects of irrigation on the [herbicide] *movement* of **Treflan** and Lasso in containers. 030724
Seasonal **vertical** *movement* of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711
Infiltration, evaporation, and **water** *movement* as related to water repellency [Soils]. 030366

MOWER

Energetic analysis of the aggregate from a wheel tractor and **classical** *mower.* 029996
Mowing **dates** of clover and clover-timothy [Phleum] mixtures[and relation to their chemical composition]. 027066
Maize harvest: **direct** *mowing* on the field is accomplished [Equipment]. 030089
Mower **harveste** in figures. 030033
Harvesting of [cereal] breeding material with a reconstructed **lawn** *mower.* 026254
Effects of herbicides or *mowing* on **musk** thistle [Carduus nutans] seed production. 028601
Mowing of **nongrazed** part of pasture land. 027370
Mower-presser-hay **processing.** What experts think of the novelties. 030034
A study on the design of **rotary** *mower* as a power tiller attachment. 030115
The CM 215 PZ **Rotor** *mower.* 030042

MUCK

Muck-in the **buildings** and out in the fields [Fertilizers]. 030429

MUCOR

Fungal metabolism of trans-2-octenoic **acid** [by *Mucor].* 026341

MUCORALES

Ultrastructure of the sporangiospore of Piptocephalis **unispora** *(Mucorales)* [Fungi]. 025945

MUCOSA

Immunization against *mucosal* **disease**—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409
Investigation on the immunogenity of concentrated ethanol saponin vaccine against *mucosal* **disease**—bovine viral diarrhea. 024411

Immunological relationships between two strains of *mucosal* **disease/virus** diarrhea virus [Calves]. 024410
Inducibility of *mucosal* **drug-metabolizing** enzymes of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Scanning electron microscopy of the **duodenal** *mucosa* of chickens infected with Eimeria acervulina. 024664
Interstitial fluid pressure in canine **gastric** *mucosa*. 023218
Bacterial flora of the **nasal** *mucosa* of the horse. II. Gram-positive bacteria. 024712
Effect of ascorbic acid deficiency on the permeability and collagen biosynthesis of **oral** *mucosal* epithelium. 022033

MUCUS
Raising the oxytetracycline speculum in the **bronchial** *mucous* membrane of swine by simultaneous administration of Bromhexin (Bisolvon). 024364

MUD
Muddy **peat** algae of Finnish raised bogs. 025862

MUHLENBERGIA
Phytotoxic grass [Festuca arizonica, *Muhlenbergia* **montana**] residues reduce germination and initial root growth of ponderosa pine. 028451

MULATTO
Malnutrition studies in **Macaca** *mulatta*. IV. Energy and protein consumption during growth failure and "catch-up" growth. 022005

MULBERRY
Pandorina **morum** *(mulberry* green alga) in the process of division. 026683
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the farm workers in mounting and *mulberry* **[Morus]** harvesting by machine. 021254
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of *mulberry* **[Morus]** leaf. 026433
Mulberry **[Morus]** mosaic disease in Thailand [caused by Phyllactnia corylae]. 028085
Study on varietal reaction to root rot disease of *mulberry* **[Morus].** 028427

MULCH
Soil-moisture studies in fallow-barley rotation under *mulches*, **antitranspirant** and type of seed bed. 027425
Role of *mulches* in **dryland** agriculture. 030467
Mulching **experiments** in tulips, 1964-1971. 030581
Field trials on Dwarf Cavendish bananas in southern Malawi. II. **Fertilizers** and *mulching*. 030398
The effect of *mulching* of **humus** calcareous soils on the yield of mandarin oranges. 030618
Effect of *mulching* on the **incidence** of Sclerotinia minor onlettuce. 028035
Natural *mulch* or chemical conditioner for reducing soil erosion in humid tropical areas. 030616
Effects of chemicals and **plastic** *mulch* on nematode populations and yield of tomato. 028407
Mulching **sheets** with special properties. 030464

MULES
Nutrient content of *mule* **deer** diets [Forage] from ponderosapine range. 026987

MULTIFLORA *see* **FLORA**

MULTIPLE
Multiple **antigenic** sites on an eicosapeptide. I. Precipitin studies in the goat. 024532
Cytology of Oomycetes. Evidence for meiosis and *multiple* **chromosome** associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378
Multiple **cutting** of sown grasslands in the central Urals [Hay yields, composition, costs]. 027581
The development of the *multiple* **disease** resistant flue cured tobacco variety, F 209 [Breeding]. 026102
Multiple **forms** of rice seeds beta-amylases on zymogram. 026884
A *multiple* **inoculation** technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on agar substrates [Feeds]. 023046
Programming LOIS [light operated interval switch] for *multiple* **mist** signals [Irrigation equipment]. 030021
Intracellular distribution and *multiple* **molecular** forms of ribonucleases in pea (Pisum sativum) seedlings. 027288
Multiple **molecular** forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). 028276
Boll weevil [Anthonomus grandis] oviposition behavior: *multiple* **punctured** squares [Cotton lines]. 028726
A case of polydactyly with *multiple* **thresholds** in the mouse [Genetics]. 024190
Multiple **viral** infections of insect cells and host pathogenesis: multicomponent viral insecticides [Galleria mellonella, biological control]. 028653

MUNGBEAN
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating plant cells *[Mung* **beans,** pea, celery]. 026024
14C [carbon isotope] incorporation in chloramphenicol inhibited growth and its reversal by riboflavin in green gram *[Mung* **beans].** 027164
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) *[mung* **beans]** and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Persistence of endosulfan [insecticide] on "moong" *[mung* **beans]** and "arhar" [Pigeonpeas] crops. 028845
Resistence of phorate [insecticides] on 'muung' [mungo beans] and 'arhar' *[mung* **beans]** crops. 028847

MUNGO
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) *[Mungo* **beans].** 028842
Resistence of phorate [insecticides] on 'muung' *[mungo* **beans]** and 'arhar' [mung beans] crops. 028847
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" **(Phaseolus** *mungo)* [Mungo beans]. 028842

MURIDAE
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus giliacus (Mammalia, *Muridae)* **[Mice].** 028994

MURINE
A fine structural study of asexual stages of the *murine* **coccidium** Eimeria ferrisi Levine and Ivens 1965. 024788

MURRAYA
Structure of a new coumarin from *Murraya* **paniculata** (Jack). 026609

MUSCA
Influence of individual body weight on the susceptibility of **adult** *Musca* domestica to DDT and malathion. 029007
Evaluation of methoprene formulations for fly control *[Musca* **autumnalis,** Haematobia irritans]. 029026
Genetic feedback and simulated environmental catastrophes *[Musca* **domestica].** 029003
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of *Musca* **domestica** and Stomoxys calcitrans]. 029010
Influence of some dipterous *[Musca* **domestica]** larvae on nitrogen loss from cattle dung. 029011
Studies on potential pesticides. VI. Synthesis and insecticidal activity of several new dithiocarbamates *[Musca* **domestica].** 029017
Compatibility of insecticides and a disinfectant [Stomoxys calcitrans, *Musca* **domestica,** Fannia canicularis, control]. 029024
Synergism of resmethrin in the house fly *[Musca* **domestica].** 029027
Endogenous rhythm of nerve activity in the housefly eye *[Musca* **domestica].** 029457
Genetic analysis of resistance to DDT, methoxychlor and fenitrothion in two strains of **housefly** *(Musca* domestica). 028971
The sterilizing effect of tris (1—aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the **species** *musca* domestica L., depending on age. 028998

MUSCADINE
Dependence of the quality of *muscadine* and **red** grape varieties and wines on the content of sodium salts in the soil. 022988

MUSCAT
Aroma of *Muscat* **grape** varieties [due to terpenes]. 022915

MUSCI
Occurrence of Entodon cladorrhizans in Alaska, with notes on geographical distribution of Entodon **concinnus** *[Musci].* 025643
Taxonomic revision of Aloina, Aloinella and **Crossidium** *(Musci).* 025644
Quantitative changes in free amino acids in Polytrichum formosum *[Musci]* during **development.** 026757
A fruiting occurrence of Bryum algen Card. *[Musci]* in **east** Antarctica. 025751
The distribution of Rhytidiadelphus and Hylocomium in **Finland** *[Musci].* 025604
The fourth Swedish locality of Cryptothallus **mirabilis** *[Musci].* 025828
A key and annotated synopsis of the mosses *[Musci]* of the **northern** lowlands of Devon Island, Northwest Territories, Canada. 025655
Plagiomnium acutum, comb. **Nova** *(Musci,* Mniaceae) [New taxa]. 025603
A new exsiccata from the northernmost parts of North America: Steere and Holmen, Bryophyta Arctica Exsiccata, fascicle 1, **numbers** 1-50 *[Musci].* 025639
Moss *[Musci]* **parasitic** species of lichen genera Micarea and Vezdaea [New taxa]. 025619
Trachycarpidium *[Musci]* in **Queensland,** Australia. 025758
Sporophyte development of Funaria hygrometrica Sibth. *[Musci].* I. **Structural** data of water and nutrient uptake in the haustorium. 026063

MUSCIDAE
Influence of other insects on production of horn fly, Haematobia irritans (Diptera: *Muscidae),* from **cattle** dung in south central British Columbia. 029282
Studies on the biology of sorghum shoot flies, Atherigona spp. *(Muscidae:* **Diptera),** and shoot fly-sorghum host plant relationships. 028799
Ultrastructure of the perismpathetic organs of the tsetse fly Glossina fuscipes **quanzenis** *(Muscidae).* 029279

MUSCLE
Preparation of actomyosin from the **adductor** *muscle* of akazara scallop [Seafood]. 022407
Chloramphenicol plasma levels in horses, cattle and sheep after oral and *intramuscular* **administration.** 023678
Muscular **anatomy** of Ips sexdentatus (Coleoptera, Scolytidae). 029227
Studies of some twitch and fatigue properties of different motor unit types in the **ankle** *muscles* of the adult cat. 023188
The postnatal development of some twitch and fatigue properties of single motor units in the **ankle** *muscles* of the kitten. 023192
The effects of lysergic acid diethylamide on the response to field stimulaton of the rat vas deferens and the rat and cat **anococcygeus** *muscles.* 023333
Myotonia and block of chloride conductance by iodide in **avian** *muscle* [Chickens, pigeons]. 023222
Variations in the amount, distribution and texture of intramuscular fat within *muscles* of the **beef** carcass. 022671
Amino acid composition in **beef** *muscles* and organs. 022708
Eating quality and thiamin retention of turkey **breast** *muscle* roasted and "slow-cooked" from frozen and thawed states. 022101
Levels of histidine derivatives in **breast** *muscle* of proteindepleted and repleted adult cockerels [During malnutrition]. 023602
Mercury residues in **breast** *muscle* of wild ducks, 1970-71. 030944
Negative inotropic influence of hyperosmotic solutions on **cardiac** *muscle* [Cats]. 023223
The influence of innervation on the differentiation of contractile speeds of developing **chick** *muscles.* 023611
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. III. On the chemical **composition** of *muscle.* 024050
Production by creatine of creatine kinase B synthesis in developing monolayer **culture** *muscle* cells [Chick embryos]. 023312
Synthesis of myosin heavy and light chains in *muscle* **cultures** [Chick embryos]. 023498
Comparison of post mortem changes in ultrastructure of the masseter and longissimus **dorsi** *muscle* of pits yielding pale, soft exudative meat. 021840
Further evaluation of conventional and hot-boned bovine longissimus **dorsi** *muscle* excised at various conditioning periods [Beef carcasses, tenderness]. 022681
The pH1 [hydrogen-ion concentration] of longissimus **dorsi** *muscle* in purebred and commercial pigs. 022692
The heritability of pH1 [hydrogen-ion concentration] in longissimus **dorsi** *muscle* in Landrace and Large White pigs. 024153
The onset and progress of transformation of avian slow into **fast** *muscles* under neural influence [Chickens]. 023612
Variations in the amount, distribution and texture of *intramuscular* **fat** within muscles of the beef carcass. 022671
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the **flight** *muscle* of Antheraea polyphemus (Lepidoptera). II. Changes after motor nerve section. 029294
Cytochemistry of the differentiating **flight** *muscles* of the desert locust Schistocerca gregaria. 029366
Histochemical localization of trehalase activity in dorsal **flight** *muscle* of the flesh fly Sarcophaga bullata with lightand electron microscopy. 029403
Muscle **formation** de novo under the transplantation of muscles treated by trypan blue [Rabbits, rats]. 023603
Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] venom on the presynaptic nerve terminals of **frog** *muscle.* 029435
Growth hormone, cyclic nucleotides and the rapid control of translation in **heart** *muscle* [Rats]. 023280
A comparative study in the transmission electron microscope and scanning electron microscope of intracellular structures in sheep **heart** *muscle* cells. 023529
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after *intramuscular* **injection** of [4-14C] [carbon isotope] estrone. 023356
The use of prostaglandin F2alpha given by either intrauterine infusion or by *intramuscular* **injection** for the control ofoestrus and ovulation in cattle. 024011

Correlation between ultrastructure and histochemistry of mammalian **intrafusal** *muscle* fibres [Cats, rabbits, rats]. 023548
Effect of denervation and local damage on extrajunctional L-glutamate receptors in **locust** *muscle* [Schistocerca gregaria]. 029455
Cyclic AMP [adenosine monophosphate] in **longissimus** *muscle* from control and stress susceptible pigs. 022675
Histochemical and palatability properties of *muscle* **longissimus** from stress-resistant and stress-susceptible porcine animals. 023455
The effects of fusimotor stimulation during small amplitude stretching on the frequency-response of the primary ending of the **mammalian** *muscle* spindle [Cats]. 023554
Studies on ATPase [adenosine triphosphatase] activity of actomyosin of squid **mantle** *muscle* [Fishery products]. 022408
Post-natal developmental changes in the length-tension relationship of cat **papillary** *muscles*. 023552
The influence of temperature on potentiation phenomena in rabbit **papillary** *muscle*. 023684
The effect of dietary fatty acids on fatty acid distribution of lipids in neck adipose pads and superficial **pectoral** *muscle* of chicks. 023783
Myopathy of the deep **pectoral** *muscle* in broiler breeder hens. 024820
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE [pale, soft, exudative] **porcine** *muscle* [Swine]. 022684
Recent tendency in research on PSE [pale soft exudative] **porcine** *muscle*. 022691
Canine paraphimosis: sequel to inefficient **preputial** *muscles*. 024926
A trichromatic staining for the detection of *muscle* **protein,** connective tissue protein and mineralized bone particles. 022644
Structural studies on **rabbit** *muscle* glycogen synthase. I. Subunit composition. 023489
Structural studies on **rabbit** *muscle* glycogen synthase. II. Limited proteolysis. 023490
Effect of cross-reinnervation on physiological parameters and on properties of myosin and sarcoplasmic reticulum of fast and slow *muscles* of the **rabbit.** 023527
Possible biochemical explanation for specific reformation of synapses between *muscle* and **regenerating** motoneurones in cockroach [Periplaneta americana]. 029459
Postmortem glycolysis in ground **skeletal** *muscle* as influenced by prerigor freezing and subsequent thawing. 022718
The effect of physical training on **skeletal** *muscle* enzyme composition in pigs. 023195
The process of survival of denervated and freely autotransplantated **skeletal** *muscle* [Cats]. 023412
Skeletal *muscle*, liver and wool protein synthesis by sheep infected by the nematode trichostrongylus colubriformis. 024429
Effects of severe energy and protein deficiencies on the fibres and nuclei in **skeletal** *muscle* of pigs. 024828
Electrogenic sodium pumping in rabbit small intestinal **smooth** *muscle*. 023211
Stimulation of intestinal **smooth** *muscle* by atropine, procain1, and tetrodotoxin [Cats]. 023227
Effects of ethanol and its interaction with vasoactive agents in bovine vascular **smooth** *muscle*. 023259
Effects of metiamide on distribution of 14C[carbon isotope]-histamine in aortic **smooth** *muscle* [Rabbits]. 023261
Intrinsic innervation of isolated **smooth** *muscle* of ruminant forestomach. 023567
Electrical behaviour of inner and outer **smooth** *muscle* of sheep carotid artery. 023591
Rigor mortis in beef **sternomandibularis** *muscle* at 37 Celsius. 022688
Compositional studies of myofibrils from a rabbit **striated** *muscle*. 023492
Myo-epithelial junctions in skeletal and in intestinal **tract** *muscle* of the mite, Caloglyphus anomalus (Acarina). 029437
Muscle formation de novo under the transplantation of *muscles* **treated** by trypan blue [Rabbits, rats]. 023603
Effect of *muscle* **type** on residual nitrite in cured meat [Swine]. 022678
Peak shear-force values obtained for **veal** *muscle* samples cooked at 50 and 60 Celsius: influence of aging. 022683

MUSEUMS

New coprophagous insects from the Central **African** *Museum*, Tervuren (Belgium) and from my museum [Coleoptera]. 029569
New Sericinae and Coprinae from the Malagasy Republic from the Central **African** *Museum* in Tervuren at Brussels. 029574
The American dermestid beetle [Reesa vespulae], a pest [of zoological and **botanical**] *museums*. 028651
New coprophagous insects from the Central African Museum, Tervuren (Belgium) and from my *museum* [**Coleoptera**]. 029569
Symmocid moths (Lepidoptera) from Africa in the *Museum* **d'histoire** naturelle, Geneve [Dyscordaxis pygmeus, Afrosymmoca seydeli, new taxa]. 029688
New and interesting mites from the **Geneva** *Museum*. XV. Contribution to the Tarsonemidae fauna from South India (Acari) [New taxa]. 029677
Palpigrades from the **Geneva** *Museum* of Natural History [Eukoenenia, new taxa]. 029679
Studies on scorpions belonging to or deposited in the **Geneva** *Museum* of Natural History. I. Contribution to a better knowledge of the species and subspecies of scorpions of the genus Euscorpius Thorell, 1876 (family Chactidae) [New taxa]. 029686
Study on the systematics and geonemy of Xantholinus. XI. A new species at the **Geneva** *Museum* of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, Staphylinidae). 47th contribution to the knowledge of Staphylinidae. 029687
Herb garden in a historic setting [**Hamar** *Museum*]. 025564
Flies of the **Senckenberg** *Museum*. III. Pseudoxenos ropalidiae n. sp. (Insecta: Strepsiptera). 029690

MUSHROOMS

Illicitly high pesticide residues in forest **berries** [and *mushrooms*]. 021977
Mushroom **conservation** very much in fashion. 030891
Extending the shelf-life of **cultivated** *mushrooms* by gamma radiation. 022901
Ultrastructure of membrane-complex systems in [the **cultivated** *mushroom*] Agaricus bisporus. 026014
Production of ethylene and other volatiles and changes in cellulase and laccase activities during the life cycle of the **cultivated** *mushroom*, Agaricus bisporus. 027194
Electron microscopy of virus-infected **cultivated** *mushroom* and of an ascomycete fungus. 028238
Heating soils, soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and *mushroom* **culture**]. 028339
Studies on virus like particles in Lentinus **edodes** *[Mushrooms]*. 028244
Joint *mushroom* and cucumber culture in plastic shelters. 029939
Commercialization of irradiated potatoes, *mushrooms*, **onions** and spices in the Netherlands. 022906
The effect of fertilizers on the yield of *mushrooms* in **pine** forests located in the region along the middle part of Angara River. 030503
On phenol and p-cresol o-hydroxylation by tyrosinases in the presence of ascorbic acid *[Mushrooms,* **potatoes**]. 027230
Virus diseases detected in *mushroom* **production.** 028277
Virus-like particles in **shiitake** *mushroom*, Lentinus edodes (Berk.) Sing. 028249
N-nitroamines of Agaricus **silvaticus** *[Mushrooms]*. 026752
Exploring for *mushrooms* with A. H. **Smith.** 025768
Ultrastructure of the dormant Agaricus bisporus **spore** *[Mushrooms]*. 025994
The selection of Pleurotus ostreatus *[mushrooms]* **strains** bysaw-dust culture. 027765

MUSK

Successful biocontrol of *musk* **thistle** [Carduus nutans] by an introduced weevil, Rhinocyllus conicus. 028514
Effects of herbicides or mowing on *musk* **thistle** [Carduus nutans] seed production. 028601

MUSKMELONS

Effects of CO2 [carbon dioxide] nutrition on growth and yield of *muskmelon* (**Cucumis** melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
Annotated bibliography on manurial requirements of pumpkin, squash, watermelon and *muskmelon*, 1969-1974. 030512
Changes in respiration rate and some organic substances contents during fruit development of Cucumis melo L. cv. **Shinhoro** *[Muskmelons]*. 027297

MUSTARD

Incidence and state of adulteration of commonly consumed spicies in Bombay City. II. *Mustard,* **black** pepper and asafoetida. 021903
Effect of saline-sodic soil on some quantitative characters of different **genotypes** in **Indian** *mustard* Brassica juncea L Czern & Coss. 026180
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in cotyledons of *mustard* [**Sinapis** alba] seedlings in the absence of photosynthesis. 026787
Is is necessary to fertilize with sulfur? [Rape, *mustard* **yields**]. 030549

MUSTELA

Identification of five allotypes of serum alpha2-lipoprotein esterases in American **minks** *(Mustela* vison). 024220

MUSTS

Musts of the 1975 **grape** harvests. 022985

MUTAGENESIS

Mutagenic **activity** of hydrazine and its combinations with maleic hydrazide and X-rays in barley. 026135
Ethidium **bromide** *mutagenesis* in yeast [Saccharomyces cerevisiae]: protection by anaerobiosis. 026221
Mutagenic, **carcinogenic** and teratogenic effects of pollutants in respect to man. 030951
Host-mediated assay and urinary assay with the same mice for the detection of **chemical** *mutagens* in Saccharomyces cerevisiae [Yeasts]. 026093
Creation of millet breeding stock by **chemical** *mutagenesis*. 026139
Effect of certain **chemical** *mutagens* on chromosome rearrangements and growth processes in hard wheat. 026142
A new method for treating perennial fruit trees with **chemical** *mutagens*. 026217
The effect of **chemical** *mutagens* on the growth of Quercus robur seedlings. 027323
Lethal and *mutagenic* **effects** of gamma rays on Chaetomium aureum Chivers [Fungi]. 026133
Mutagenic and **modificational** activity of nevigramon [Drosophila melanogaster]. 029496
Radiation studies on Azotobacter chroococcum [soil bacteria]. III. **Photoreactivation** and *mutagenicity*. 030392
An investigation of the effect of *mutagens* on **wheat** varieties and species of different ploidy levels. 026282

MUTANTS

Dictyostelium [discoideum, cellular slime mold] **aggregate-less** *mutant* plasma membranes. 026559
Gene dosage effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and *mutant* **alleles.** 026193
The formation of higher alcohols by amino acid **auxotrophic** *mutants* of Saccharomyces cerevisiae [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. 026868
Plastid development in a virescens **barley** *mutant* and chloroplast microtubules. 026112
Correlation in *mutant* **carrots** and beets. 026285
Investigations on plastome mutants in Oenothera. III. Comparative ultrastructural **characterization** of the *mutants*. 025949
A chlorophyll-protein complex lacking in photosystem I *mutants* of **Chlamydomonas** reinhardtii [Algae]. 026632
Amino acid and fatty acid composition of **chlorophyll-deficient** *mutants* in peanuts Arachis hypogaea L. 026999
On the mechanism of petite genesis in yeast. IV. Biochemical characterizaton of a conditional **cytoplasmic** *mutant* producing petites at restrictive temperature. 026090
Genetics of a **dwarf** *mutant* in groundnut. 026303
Developmental defects of **female-sterile** *mutants* of Drosophila melanogaster. 029318
Host-range *mutant* of fowl plague virus (FPV): comparison of the genome and virus proteins. 024765
The biology of the black **larval** *mutant* of the tobacco hornworm, Manduca sexta. 029420
Etioplast and chromoplast development in the **lycopenic** *mutant* of maize. 026035
Simple and sensitive procedure for screening yeast [Saccharomyces cerevisiae] *mutants* that **lyse** at nonpermissive temperatures. 026196
Isolation and characterization of a *mutant* of **Neurospora** crassa deficient in general amino acid permease activity [Fungi]. 026407
Water permeability during tomato fruit development in normal and rin **nonripening** *mutant*. 027274
Variation of apical-meristem cell size in *mutant* **peas.** 026147
Investigations on **plastome** *mutants* in Oenothera. II. Ultrastructural survey. 025948
Investigations on **plastome** *mutants* in Oenothera. III. Comparative ultrastructural characterization of the mutants. 025949
Regulation of mitochondrial biogenesis: enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] *mutants* **requiring** delta-aminolevulinic acid. 026198
Induction of p- *mutants* in **Saccharomyces** cerevisiae [yeasts] by guanidine hydrochloride. II. Conditions that prevent p- induction. 026225
Synthesis of versicolorin A by a *mutant* **strain** of [the mold] Aspergillus parasiticus [Fungi] deficient in aflatoxin production [Heritability]. 026187
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in wild-type and *mutant* **strains.** 026200
Changes in chloroplast ribosomal proteins in a **streptomycinresistant** *mutant* of Euglena gracilis [Algae]. 026797
Regulation of sugar transport in chick embryo fibroblasts infected with a **temperature-sensitive** *mutant* of RSV [Rous sarcoma virus]. 024498
Temperature-sensitive *mutants* of the yeast [Saccharomyces cerevisiae] fatty-acid-synthetase complex. 026555
Unidirectional growth and branch formation in a **thermoconditional** *mutant* of Agrobacterium tumefaciens. 028139
Carotene epoxides from the Delta **tomato** *mutant*. 027242
Homoeotic effect of the **tumorous-head** *mutant* and differential effect of an enhancer gene in the tumorous-head strain of Drosophila melanogaster. 029292
Development of photoreductive activity in plastids of a **virescens** *mutant* of barley. 026930
Chlorophyll synthesis in a **yellow** *mutant* of wheat. 026900

MUTATION

Investigation of the effects of homoeotic mutations. I. Pleiotropic effect of homoeotic **aristapedia** *mutations* [Drosophila]. 029494
Nonnuclear mutations in sunflower. II. Lethal **chlorophyll** *mutations* in the progeny of plants with variegated leaves. 026286
Chemical induction of presumed **dominant-lethal** *mutations* in postcopulaton germ cells of mice. I. Relative sensitivity between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
Radiation-induction of **fractional** *mutations* in Drosophila. 029450
Investigation of the effects of **homoeotic** *mutations*. I. Pleiotropic effect of homoeotic aristapedia mutations [Drosophila]. 029494

Action of "colonie **lisse**" *mutation* on cell morphology of Saccharomyces cerevisiae [Yeast]. 026117
Nonnuclear *mutations* in sunflower. II. Lethal chlorophyll mutations in the progeny of plants with variegated leaves. 026286
Frequency of **nonsense** *mutations* (amber and ochre) induced by UV [ultraviolet] light in the ura3 gene in Saccharomyces cerevisiae [Yeasts]. 026222
Progressive **nutria** *mutation* breeding. 024065
Induction of **petite** *mutations* during germination and outgrowth of Saccharomyces cerevisiae [yeasts] ascospores. 026194
Action of magnetic and electric fields on the growth and *mutation* **rate** of various microorganisms [Escherichia coli, bacteria, Penicillium chrysogenum, fungi]. 026370
A kinetic analysis of **spontaneous** *p-mutations* in yeast [Saccharomyces cerevisiae]. 026220
A study of **temperature-sensitive** *mutations* in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. 029464
Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of **visible** *mutations* in laboratory populations of Drosophila melanogaster. 029495

MYASTHENIA
Myasthenia in **Springer** Spaniel littermates [Dogs]. 024872

MYCELIA
Isolation and identification of physcion, 4,5-dihydroxy-7-methoxy-2-methylanthraquinone, from the *mycelium* of **Alternaria** porri [Fungi]. 026343
Aflatoxin can be degraded by the *mycelium* of **Aspergillus** parasiticus [Fungi, food chemistry]. 026859
Two additive, independent genes for *mycelial* **growth** versus sporidial growth of haploid cultures of Ustilago hordei [Smut fungi]. 026113
Two additive, independent genes for *mycelial* **growth** versus sporidial growth of haploid cultures of Ustilago hordei [Fungi]. 026114
Chemical and structural differences in *mycelial* and **regeneration** walls of Trichoderma viride [Fungi]. 026375
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by **resting** *mycelia* of aspergillus parasiticus [Fungi, soybeans]. 021983

MYCETOME
Accessory cells of the *mycetome* in the **rice** weevil, Sitophilus oryzae: post-embryonic development. 028968

MYCETOPHILIDAE
A revision of the nearactic species of the genus Phronia (**Diptera:** *Mycetophilidae).* 029705

MYCOBACTERIUM
Incidence of tuberculosis in swine [Mycobacterium tuberculosis, *Mycobacterium* **bovis**]. 024563
Studies on the improvement of bovine tuberculin. 1. Sensitivity and specificity of PPD's prepared from low-heated culture filtrate and cytoplasm of *Mycobacterium* **bovis.** 024696
Biological and biochemical properties and pathogenicity of *Mycobacterium* **fortuitum** of porcine origin in mice. 024485
Ultrastructural studies of bovine paratuberculosis (Johne'sdisease) *[Mycobacterium* **paratuberculosis].** 024784
Incidence of tuberculosis in swine *[Mycobacterium* **tuberculosis,** Mycobacterium bovis]. 024563

MYCOFLORA *see* FUNGUS

MYCOPLASMA
Isolation and identification of *Mycoplasma* **agalactiae** subsp. Bovis from arthritic cattle in Iowa and Nebraska. 024589
A contributions to tentative identification of **borine** *mycoplasmas.* 024793
Presence of helicoid shaped elements in the phloem of Vincarosea with Stolbur *[Mycoplasma]* **disease.** 028226
Isolation of *Mycoplasma* **dispar** from cattle in the United States. 024467
The effects of Mycoplasma hyorhinis and of *Mycoplasma* **hyopneumoniae** on pig kidney primary tissue culture. 024480
Naturally occurring and experimentally **induced** *mycoplasmal* arthritis of cattle. 024591
Studies on *mycoplasma-like* **organisms:** the suspected cause of citrus likubin and leaf-mottling. 028224
Studies on [aster] yellows disease of parsley and celery [Scleroracus flavopicta, *mycoplasma-like* **organisms].** 028274
International Congress on Mycoplasmas (11-17 September 1974, Bordeaux, France), abstracts of the communications on **'plant** *mycoplasma* diseases'. 028253
The SPS [sodium-polyanethol-sulfonate] and digitonin tests applied to **porcine** *mycoplasmas.* 024401
Apple proliferation [virus] disease in Spain: graft transmission and detection of *mycoplasma* and **rickettsiaplasma-like** organisms in infected tissue. 028170
International Congress on *Mycoplasmas* (11-17 **September** 1974, Bordeaux, France), abstracts of the communications on 'plant mycoplasma diseases'. 028253
Isolation of *Mycoplasma* **species** from squirrels (Ratufa indica) [from the vicinity of poultry farms]. 024565
The response of chickens to experimental infection 'in ovo' with *Mycoplasma* **synoviae.** 024460

MYCORRHIZA
Mycorrhizas of **Arctostaphylos** uva-ursi. 025916
First indications on the *mycorrhiza* and **micorrhizal** fungi of exotic [Pinus] plantations of Upper Shaba (Zaire Republic) [Morphological study]. 025963
Production of gibberellin-like substances by fungi isolated from *mycorrhizae* of **pine** (Pinus silvestris L.). 026323
Electron microscopy of **vesicular-arbuscular** *mycorrhizae* of yellow poplar [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. 025995

MYCOSIS
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In vitro studies *[Mycotic* **dermatitis,** control]. 024561
Mycotic **diseases** [Aspergillus fumigatus] occurring in domestic animals in Ankara. 024598
Role of lymphocytes in *mycotic* **infections** [of animals]. 024540
Mycotic **mastitis** produced experimentally in goats. 024650

MYCOSPHAERELLACEAE
Reduction of apple scab fungus *[Venturia* **inaequalis]** inoculum with fungicides. 028074

MYCOTOXICOSIS
Cereal scab **causing** *mycotoxicoses* in Korea and present status of mycotoxin researches [Gibberella zeae]. 021894
Mycotoxicosis in **cows** caused by toxins of Aspergillus flavus Lk. [Wheat, feed, contamination]. 025005
Problems with molds and mycotoxins in poultry **feeds** *[Mycotoxicosis].* 023060
Some aspects of *mycotoxicoses* from **Fusarium** [Livestock]. 024991
Preliminary studies on mycoflora of poultry feed and **litter** *[Mycotoxicosis].* 024964
Mycotoxicological approach to the detection of etiological agents implicating human and **livestock** *mycotoxicoses* in Japan. 024539
The fungus era [Poultry, **livestock,** *mycotoxicosis].* 024953
Ill-effects of feeding mouldy peanut hay to young goats [Aspergillus **nidulans,** *mycotoxicosis].* 024955

MYCOTOXINS
Thin layer chromatographic separation methods for the proof of *mycotoxins* [in **dairy** products]. 022165
Screening for *mycotoxins* with **larvae** of Tenebrio molitor. 029428
Problems with molds and *mycotoxins* in **poultry** feeds [Mycotoxicosis]. 023060
Examination of Swiss cheese for incidence of *mycotoxin* **producing** molds. 021925
A multiple inoculation technique for the screening of fungal isolates for the evaluation of growth and *mycotoxin* **production** on agar substrates [Feeds]. 023046
Studies on the production of *mycotoxins* and their **quantitative** determination. 4. The extent of aflatoxin synthesis by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available [Milk contamination]. 021948
Cell culture in *mycotoxin* **research** [Fungi from foodstuffs]. 021893
Cereal scab causing mycotoxicoses in Korea and present status of *mycotoxin* **researches** [Gibberella zeae]. 021894
The effect of A **tremorgenic** *mycotoxin* (Penitrem A) on animals. 024960
Mode of action of **trichothecene** *mycotoxin* [produced by various fungi]. 026592
Detection of **twelve** *mycotoxins* in mixed animal feedstuffs, using a novel membrane cleanup procedure. 023044

MYELIN
Antigenic determinants of **bovine** *myelin* encephalitogenic protein recognized by rabbit antibody to myelin encephalitogenic protein. 024588

MYELOBLASTOSIS
Focus assay and defectiveness of **avian** *myeloblastosis* virus [Chick embryos]. 024764

MYOBIA
Myobia **kobayashii** spec. Nov. (Acarina, Myobiidae) parasitic on Apodemus giliacus (Mammalia, Muridae) [Mice]. 028994

MYOBIIDAE
Parasitic mites of Surinam. XXIV. Mites of the genus **Eudusbabekia** *(Myobiidae:* Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. 029527
A **new** *Myobiidae* from Madagascar [Madamyobia inflatipilis]. 029521
Myobia kobayashii spec. Nov. (Acarina, *Myobiidae)* **parasitic** on Apodemus giliacus (Mammalia, Muridae) [Mice]. 028994

MYOBLAST
Calcium-related changes of enzyme activities in energy metabolism of cultured embryonic **chick** *myoblasts* and myotubes. 023392
Influence of concanavalin A, wheat germ agglutinin, and soybean agglutinin on the fusion of *myoblasts* in **vitro.** 026977

MYOCARDIA
Myocardial **infarction** in closed-chest dogs: a simplified method for production. 023467
Metabolic and histopathologic changes in arteriosclerotic versus nonarteriosclerotic rats following **isoproterenol-induced** *myocardial* infarction with superimposed diabetes. 022162
Adrenergic drug-receptor interaction in the presence of strontium (Sr++) in **mammalian** *myocardium* [Rabbits]. 023254
Simultaneous counting of 85Kr [kypton isotope] in lung and *myocardium* during **measurement** of coronary blood flow [Dogs]. 023472
Primary structure of cytoplasmic aspartate-aminotransferase from **porcine** *myocardium.* Isolation, purification, and characterization of peptides split by cyanogen bromide. 023311

MYOCASTOR *see* COYPUS

MYOCOPTES
Note on the occurrence of the **mite** *Myocoptes* musculinus (Koch, 1844) (Acarina, Listrophoridae) on white mice in the states of Sao Paulo and Rio de Janeiro, Brazil. 029000

MYOFIBRIL
Stability of *myofibrillar* **EDTA-ATPase** [ethylendiamine tetraacetic acid-adeninetriphosphatase] in rabbit psoas fiber bundles [Meat quality]. 022664
Relationship between contractility and some biochemical properties of *myofibrils* **prepared** from normal and PSE [pale, soft, exudative] porcine muscle [Swine]. 022684
Myofibrillar **protein** turnover and urinary Ntau-methylhistidine output. Response to dietary supply of protein and energy[Rats]. 023704
Compositional studies of *myofibrils* from a **rabbit** striated muscle. 023492

MYOGLOBIN
Circular dichroism studies of *myoglobin* and **leghemoglobin** [Soybeans]. 026910

MYOPATHY
Myopathy of the **deep** pectoral muscle in broiler breeder hens. 024820
Biochemical diagnosis of **degenerative** *myopathy* of early young cattle. Study of two cases observed in a Lyons slaughterhouse. 024831

MYOSIN
Synthesis of *myosin* **heavy** and light chains in muscle cultures [Chick embryos]. 023498
The behavior of fetal canine cardiac cells in culture: synthesis and **phosphorylation** of *myosin.* 023384
Effect of cross-reinnervation on physiological parameters and on properties of *myosin* and **sarcoplasmic** reticulum of fast and slow muscles of the rabbit. 023527

MYOTONIA
Myotonia and **block** of chloride conductance by iodide in avian muscle [Chickens, pigeons]. 023222

MYRIOPHYLLUM
A production model for *Myriophyllum* **spicatum** L. [Aquatic weeds]. 025893

MYRIOPODA
Influence of external factors on the oogenetic cycle of Lithobius forficatus L. *(Myriapoda,* **Chilopoda).** 029237
Experimental study of the endocrine regulation of ovogenesis in Lithobius forficatus L. *(Myriapoda,* **Chilopoda).** Role of the pars intercerebralis. 029361

MYRMELEONTIDAE
The larvae of ant lions (Planipennia: *Myrmeleontidae)* from **France** [Identification]. 029539

MYRMICA
Larval recognition by workers of the **ant** *Myrmica* [rubra, Myrmica scabrinodis]. 029210
Caste determination through a queen influence on diapause in larvae of the **ant** *Myrmica* rubra. 029327
Larval recognition by workers of the ant Myrmica [rubra, *Myrmica* **scabrinodis].** 029210

MYRTACEAE
Soil residues of picloram applied aerially to New Zealand brushweeds [Ulex europaeus, *Leptospermum* **scoparium].** 029159
Studies on floral biology of Jamun (Java plum) *[Myrtaceae]* **[Syzygium** cuminii (L.) Skeels]. 027183

MYZUS
Virus infection of potato seed stocks [by *Myzus* **persicae**] in Ontario under commercial insect-control practices. 028232

Effects of alarm pheromones [of Aphis craccivora or *Myzus* **persicae**] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. 028771
Weeds in orchards as important alternate sources of green peach aphids *[Myzus* **persicae**] in late spring. 028855

NAIL
Nail holding power of plywood. III. Effect of plywood thickness and *nail* **diameter.** 025386

NAPHTHALENEACETIC
Effect of NADH *[naphthaleneacetic* **acid** dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Wheat, barley, chickpeas, rice]. 026967

NARCISSUS
The effects on growth and flowering of the chemical growth regulators ethephon on *Narcissus* and **ancymidol** on tulip. 027086
Breeding *Narcissus* for cut flower production [Varieties]. 026071
The effect of prewarming, presoaking and hot water treatment on the growth of *Narcissus* and **control** of stem eelworm (Ditylenchus dipsaci (Kuhn) Filipjev). 028311
Vegetative propagation of daffodils *[Narcissus]* by **double-scaling.** 027653
A night flowering **fall** *Narcissus.* Bulb formation and flowering ecology of Narcissus viridiflorus Schousboe. 027142
Leaf scorch [Stagonospora curtisii] and neck rot [Botrytis **narcissicola**] in *Narcissus.* 027881
A study of smoulder (Sclerotinia narcissicola Greg.) of *Narcissus* in **northern** Scotland. 027875
Results and application of a survey of virus infection in *Narcissus* **stocks** in Scotland. 028194
The production, propagation and distribution of virus-free clones of *Narcissus* **tazetta** cv. "Grand Soleil d'Or" [Varieties]. 028204
The occurrence of Fusarium oxysporum in soils, and on *Narcissus* and **tulip** [Basal rot]. 027883
Bulb scale mite (Steneotarsonemus laticeps) on *Narcissus* in the **United** Kingdom. 028809
A night flowering fall Narcissus. Bulb formation and flowering ecology of *Narcissus* **viridiflorus** Schousboe. 027142

NASAL
Bacterial flora of the *nasal* **mucosa** of the horse. II. Gram-positive bacteria. 024712
Transfer of IgG [immunoglobulin] from plasma to *nasal* **secretions** in newborn lambs. 024756
Studies on the receptors to the odoriferous steroid, 5alphaandrost-16-en-3-one, in **sow** *nasal* epithelium. 023522

NASUTITERMITINAE
Non-reproductive castes and their development in *Nasutitermes* **exitiosus** (Hill) (Isoptera). 029379
Influence of temperature on the development of incipient colonies of *Nasutitermes* **nigriceps** (Haldemann). 028963

NATAL *see* BIRTH

NAVICULA
Navicula **fucicola** sp. Nov., a diatom living in the apical slit of Fucus vesiculosus L. (Phaeophyceae) [Algae]. 025815

NECK
The effect of dietary fatty acids on fatty acid distribution of lipids in *neck* **adipose** pads and superficial pectoral muscle of chicks. 023783
Leaf scorch [Stagonospora curtisii] and *neck* **rot** [Botrytis narcissicola] in Narcissus. 027881

NECROBIA
The effects of salt treatment of fish on the developmental biology of Dermestes maculatus (Coleoptera, Dermestidae) and *Necrobia* **rufipes** (Cleridae). 028974

NECROSIS
Beet *necrotic* yellow vein virus and its relation to the fungus, Polymyxa betae. 027965
A leaf mosaic in the Russian apple clone R 12 740-7A connected with a strain of **cherry** *necrotic* ringspot virus. 028166
Increased susceptibility of Easter lilies to Pythium root rot as a result of infection by *necrotic* **fleck** virus complex. 027880
Prunus *necrotic* ringspot virus as a multicomponent system. 028280
The inheritance of cabbage resistance to **speck** *necrosis.* 028438
Transmission of **tobacco** *necrosis* virus by Olpidium brassicae. 027984
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and **tobacco** *necrosis* virus in [kidney] bean. 028262

NECTAR
A scanning electron microscope study of **cucumber** *nectaries,* Cucumis sativus. 029391
Amino acids, phosphatase and peroxidase in *nectary* **glands** of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
Studies on the processing adaptability for *nectar* of **introduced** peach varieties. 022973
Unusually severe granulation of winter stores caused by *nectar* from **ivy,** Hedera helix, in Ireland [Honey]. 022489
Calcium, magnesium, potassium, and sodium in honey and in *nectar* **secretion.** 022487

NECTRIA
Common canker *[Nectria* **galligena**] of apple trees, a very old disease locally in fresh outbreak. 027906
Comparison of benomyl and captafol with Bordeaux mixture for control of European canker *[Nectria* **galligena**] of apple. 028034
Nectria **galligena** also on pears. 028881

NEEDLE
Control of *needle* **cast** [Lophodermium pinastri] of Scotch pine [Pinus sylvestris] in South Carolina [Leptostroma]. 028067
Interrelationship between heights of young conifers and indices of *needle* **development** in their crowns. 027329
Histological responses of Japanese red pine [Pinus densiflora] *needles* **exposed** to sulfur dioxide [Injury]. 025037
A **new** *needle* disease of Pinus sp. In Brazil caused by Cylindrocladium pteridis. 027911
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in *needles* of **Norway** spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Swiss *needle* [Phaeocryptopus gaeumannii] cast of Douglas fir [Pseudotsuga menziesii]. 027873
Resistance to Cronartium ribicola in Pinus monticola: an analysis of *needle-spot* **types** and frequencies. 027921

NEEM
Nutritive value of *neem* **seed** cake (Melia indica) [Cattle]. 023746

NEIVAMYRMEX
Trial-following by the army ant, *Neivamyrmex* **nigrescens:** responses by workers to volatile odors. 029223

NEMATOCERA
X-ray induced visible alterations in the giant chromosomes of Phryne **cincta** *(Nematocera,* Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. 029302

NEMATOCIDE
Effects of rate and depth of application of *nematicide* on **nematode** [Meloidogyne incognita] vertical distribution and tomato production in a sandy loam greenhouse soil. 028345
Effects of *nematicides* on the **nematode** populations and yield of tobacco. 028408
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and **organophosphate** *nematicides.* 028327
Uptake, translocation, and metabolism of [the *nematicide]* **Tirpate** in tobacco Nicotiana tabacum. 028378

NEMATODE
Chemical stimuli for feeding by *[nematode]* **Aphelenchus** avenae [Rhizoctonia solani, Caenorhabditis briggsae]. 028400
A new record of stem and **bulb** *nematode* [Ditylenchus dipsaci] in Ontario [Onions]. 028347
Invasion and development of the **cereal** *cyst-nematode* Heterodera avenae in roots of barley infected by the take-all fungus Gaeumannomyces graminis. 027898
Distribution of species of potato **cyst** *nematodes* [Heterodera rostochiensis] in South America. 028401
Effects of potato **cyst** *nematodes* [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. 028402
Effects of potato **cyst** *nematodes* on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two susceptible varieties. 028403
Studies on the influence of soil moisture conditions on soybean **cyst** *nematodes* [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Occurrence of plant-parasitic gall and **cystic** *nematodes* of Cactaceae. 028376
Controlling Sirex [noctilio] with a *nematode* **[Deladenus** siricidicola]. 028953
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. *Nematode* **development** and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Gall *nematode* [Control, vegetables]. 028468
Control of parasitic gastroenteritis in goats [Coccidiosis, **gastrointestinal** *nematodosis].* 024582
Nematode **genera** from some New Zealand pastures. 028398
A *nematode-destroying* **hyphomycete** forming parallel multiseptate hyaline conidia in circular arrangement [Haptocara latirostrum, Fungi, new taxa]. 025583
Linkage and allelic relationships among genes for resistance in tomato (Lycopersicon esculentum) against Meloidogyne **incognita** *[nematode].* 028343
Preliminary attempts to reduce root **knot** *nematode* [Meloidogyne hapla] infestations on Chinese gooseberry roots. 028424
Benomyl and **large** *nematodes* [on Geranium]. 028351
Effect of inoculum level and plant age on pathogenicity of meloidogyne incognita and Rotylenchulus reniformis to tomatoand **lettuce** *[Nematodes].* 028418
Effects of rate and depth of application of nematicide on *nematode* **[Meloidogyne** incognita] vertical distribution and tomato production in a sandy loam greenhouse soil. 028345
Establishment and recycling of a **mermithid** *nematode* [Reesimermis nielseni] for the control of mosquito larvae [Anopheles crucians]. 029040
Influence of treatment for **natural** *nematode* invasion in geese upon selected values of hematological and biochemical examinations. 024758
Insect morphogenetic hormones and developmental mechanisms in the *nematode,* **Nematospiroides** dubius. 029311
Cross-breeding to facilitate the identification of Deladenus spp., *nematode* **parasites** of woodwasps [Sirex noctilio, pest of pine trees, biological control]. 028951
Bacillus penetrans n. Comb. Causing a virulent disease of **plant-parasitic** *nematodes.* 028383
Effects of chemicals and plastic mulch on *nematode* **populations** and yield of tomato. 028407
Effects of nematicides on the *nematode* **populations** and yield of tobacco. 028408
Control of **potato** *cyst-nematodes,* Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and organophosphate nematicides. 028327
Harmful **potato** *nematode* [Heterodera rostochiensis]. 028470
Problems of phytohelminthology **[Potato** *nematodes,* control]. 028476
Evaluation of *nematode* **resistant** potato varieties. 028389
The influence of temperature on the ability of Aphelenchoides besseyi to survive dehydration **[Rice,** *nematodes].* 028405
Response of soybean cultivars to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and Sclerotium **rolfsii** *[Nematodes].* 028419
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita **[root-knot** *nematode]* on tomato. 028147
Soil treatments for control of **rootknot** *nematode* (Meloidogyne incognita) in greenhouse grown cucumber. 028366
A resistant response of citrus roots to the **root-knot** *nematode,* Meloidogyne javanica. 028390
Isolation, purification and characterization of a trypsin-like protease from the **root-knot** *nematode,* Meloidogyne incognita. 028404
Control of lucerne **stem** *nematode* [Ditylenchus dipsaci] withCGA 12223 [Systemic organophosphorus insecticides]. 028423
Stem *nematodes* [Ditylenchus dipsaci]—their effects on plants grown with alfalfa. 028453
Stem *nematode* [Ditylenchus dipsaci] of the beet [Control]. 028479
A modified apparatus for the extraction of *nematodes* from **sterile** culture [Pratylenchus, sweetcorn]. 028399
Nematodes and **sugarcane.** 028431
Skeletal muscle, liver and wool protein synthesis by sheep infected by the *nematode* **trichostrongylus** colubriformis. 024429

NEMATOSPIROIDES
The influence of *Nematospiroides* **dubius** on subsequent Nippostrongylus brasiliensis infections in mice. 024665
Insect morphogenetic hormones and developmental mechanisms in the nematode, *Nematospiroides* **dubius.** 029311

NEMOPTERIDAE
Revision of the lacewing subfamily Crocinae (Neuroptera: *Nemopteridae)* **[New** taxa]. 029580

NEODIPRION
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and *Neodiprion* **rugifrons** larvae. 028921
Effects of daylength over one complete and a partial succeeding generation on development in *Neodiprion* **sertifer** (Hymenoptera: Diprionidae) [Forest pests]. 028929
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of *Neodiprion* **swainei** and Neodiprion rugifrons larvae. 028921
Field and laboratory techniques for evaluating hemlock sawfly *[Neodiprion* **tsugae**] infestations [Tsuga]. 028961

NEOFLAVANOID
Neoflavanoids of **Dalbergia** melanoxylon. 027334
Neoflavanoids. 026579

NEOGREGARINIDA
Development of Farmincystis tribolii Weiser (Sporozoa, *Neogregarinida)* in **Palembus** ocularis Casey (Coleoptera, Tenebrionidae) and some observations on its fine structure. 029485

NEONATAL *see* BIRTH

NEOPHYLLOBIUS
Observations on some soil Actinedida (= Prostigmata) from North America. II. Redescription of *Neophyllobius* **farrieri** De Leon 1958 (Acari, Raphignathoidea, Camerobiidae [New taxa]. 029525

NEOPLEA
Physical gill efficiency and winter dormancy in the pigmy backswimmer, *Neoplea* **striola** (Hemiptera: Pleidae). 029221

NEOSEIULUS
Toxicity of organophosphorus systemic pesticides to predator mites *[Neoseiulus* **fallacis]** and prey [Tetranychus urticae, integrated control, beans]. 028839

NEOTROPICAL *see* TROPICAL

NEPHOTETTIX
Subculturing of cells from the embryo of the green rice leafhopper, *Nephotettix* **cincticeps** Uhler (Hemiptera, Deltocephalidae). 029229
Anatomical study of leaf lesions on three varieties of rice as a result of feeding by different species of rice leafhoppers *[Nephotettix,* **Recilia** dorsalis]. 028788
Bionomics of the green rice leafhopper, *Nephotettix* **virescens** (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. 028789

NEPHRITIS
The role of polymorphonuclear leucocytes in the autologous phase of **nephrotoxic** *nephritis* [Rabbits]. 023373

NEPHROLEPIS
Phenolic acids of the bark of Pinus silvestris, Pinus sibirica, and Pinus **abies** *nephrolepis.* 025277

NERINE
Flowering and bulb growth of *Nerine* **bowdenii.** 027076
Viruses and meristem **culture** of *Nerine.* 028208

NERIUM
The effect of oleander *[Nerium* **oleander]** glycosides on the germination of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096

NERVES
Endogenous rhythm of *nerve* **activity** in the housefly eye [Musca domestica]. 029457
Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic **chick** *neural* retina cells. 023502
The onset and progress of transformation of avian slow into fast muscles under *neural* **influence** [Chickens]. 023612
Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of Antheraea polyphemus (Lepidoptera). II. Changes after **motor** *nerve* section. 029294
Central and **peripheral** *neural* respiratory activity in the mature sheep foetus and newborn lamb. 023649
Electrical activity of **phrenic** *nerve* and diaphragm in utero [Pregnant ewes]. 024096
Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] venom on the **presynaptic** *nerve* terminals of frog muscle. 029435
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for *neural* **regulation** of spontaneous LH rhythms. 023599
Norepinephrine release from *nerve* **terminals** within the rabbit superior cervical ganglion. 023596
Influence of substance P on the response of guinea pig ileum to **transmural** *nerve* stimulation. 023185
Unusual cytoplasmic inclusion body in *neural* **tube** cells of rat early embryo: a phagocytotic vesicle? 023244
Physiological analysis of through-conducting systems in the **ventral** *nerve* cord of the scorpions, Heterometrus fulvipes C. Koch. 029257

NERVOUS
Junctions in the **central** *nervous* system of the cat. IV. Interendothelial junctions of cerebral blood vessels from selected areas of the brain. 023361
Junctions in the **central** *nervous* system of the cat. V. The junctional complex of the pia-arachnoid membrane. 023362
Giant axons in the **central** *nervous* system of Ctenomorphodestessulatus (Gray), an Australian stick insect. 029393
Functional anatomy and *nervous* **control** of the equine alimentary tract [Horses]. 023562

NEST
On the nature of the sounds produced within the *nest* of the **wasp** Paravespula germanica F. 029380
Device for continous recording of variations in the weight of **wasp's** *nests* [Paravespula germanica]. 029374

NETTLE
The role of the perrennial **stinging** *nettle,* Urtica dioica, as a reservoir of beneficial natural enemies [Predators, parasites and entomophagous fungi on Microlophium carnosum]. 028636

NETWORK
Some agro-economic results obtained, one part by the National Institute of Management and Rural Economy, with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of Agricultural Machinery, with its *network* of **agricultur.** 021166
Rural development through **extensive** *network* of roads. 021122
Alterations in the soil reclamation status of lands due to irrigation from an earth-channel **irrigation** *network* under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
The status and perspectives for a development of the *network* of **national** parks in Poland. 030840
Planning of machine requirement and machine use by means of *network* **program.** 030100
The disruptive shear stress of **pulp** *networks.* 025493
An aid to streamlining [forest] fire-weather **station** *networks.* 025065
Effect of *network* **voltage** change on regulation of fan revolutions by means of changed voltage [in stables]. 029893

NEUROGENESIS
The urinary bladder: *neurogenic* or **nonneurogenic** problem [in animals. 024840

NEUROHYPOPHYSIAL
Influence of urethane and pentobarbitone on stimulus secretion coupling in the *neurohypophysis* **[Rats].** 023518

NEUROMUSCULAR
Ultrastructural studies on *neuromuscular* **contacts** and the formation of junctions in the flight muscle of Antheraea polyphemus (Lepidoptera). II. Changes after motor nerve section. 029294
Neuromuscular **junctions** and L-glutamate-sensitive sites in the fleshfly Sarcophaga bullata. 029415

NEURONS
Synthesis and **adrenergic** *neuron* blocking properties of some alkylating analogues of bretylium [Rabbits]. 023265
Rubrospinal control of static and dynamic **fusimotor** *neurones* [Cats]. 023187

NEUROPTERA
The immature stages of Drepanacra **binocula** *(Neuroptera:* Hemerobiidae), with notes on the relationships of the genus. 029610
Mass-rearing of Chrysopa carnea Steph. *(Neuroptera,* **Chrysopidae)** [Insect pests, biological control]. 028685
Revision of the lacewing subfamily **Crocinae** *(Neuroptera:* Nemopteridae) [New taxa]. 029580
Autecological investigations with Central **European** *Neuroptera.* 029519

NEUROSECRETION
Investigations on the circadian cycle of secretion in the *neurosecretory* **nuclei** of mouse. 023196

NEUROSPORAS
Genetic regulation of phosphate transport system II in *Neurospora* **[crassa,** fungi]. 026091
Sex hormones in *Neurospora* **crassa** [Fungi]. Renewed evidence for their specificity (to "male sterility" of the A mating type). 026314
Carbon-13 nuclear-magnetic-resonance spectroscopy of whole cells and of cytochrome c from *Neurospora* **crassa** grown with (S-Me13C [carbon isotope])methionine. 026398
Isolation and characterization of a mutant of *Neurospora* **crassa** deficient in general amino acid permease activity [Fungi]. 026407
Screening of new biogenic antimetabolites using prokaryotic and eukaryotic microbial models [Includes *Neurospora* **crassa,** fungi. 026416
Immunochemical studies on tyrosinase induction in *Neurospora* **[crassa,** fungi]. 026551
Laminarinases of *Neurospora* **crassa** [fungi]. II. Isolation, purification and characterization. 026604
Laminarinases of *Neurospora* **crassa** [Fungi]. II. Isolation, purification and characterization. 026605
Regulatory properties of reduced nicotinamide-adenine dinucleotide phosphate on a glutamate dehydrogenase from *Neurospora* **crassa** [Fungi]. 026612
Partial amino-acid sequence of NAD-specific glutamate dehydrogenase of *Neurospora* **crassa** [Fungi]. 026813
Escape from mating-type incompatibility in bisexual (A + *a)Neurospora* **heterokaryons** [Fungi]. 026120

NEUROTOXIC
Chemical synthesis of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and optical specificity and its *neurotoxic* **action[Lathyrus** sativus]. 026402

NEUTRALIZATION
Determination of subgroup-specific **feline** *oncronavirus-neutralizing* antibody. 024572
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and *neutral* **haploids** and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. 026125
Neutralisation of the pH **[hydrogen-ion** concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567
Acidic composition of *neutral* **lipids,** glucolipids and phospholipids from olive tree leaves and chloroplasts. II. 027289
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a *neutral* **petite** [Yeasts]. 026125
Study of Salmonella in frozen meat (estimation of the presumptive test on *lysine-iron-cystine-neutral* **red).** 021843
Neutral **red,** special fresh stain for "corpus luteum" in insects. 029503
Determination method of digestibility of forage dry matter and cell wall constituent by artificial **rumen**—*neutral* detergent treatment. 023873
Comparative genetics of yeast. XIV. Analysis of wine strains of **Saccharomyces** *neutral* to killer strain of type k2. 026284
Determination of *neutral* **substances** in tall products [Oils, fatty acids, colophony]. 025304
The effect of *neutral* **substances** on the properties of colophony. 025342
Studies on the high-yield pulping of tropical woods. I. On the *neutral* **sulfite** semi chemical pulping. 025271

NEUTRON
Determination of pesticide residue in crops by means of *neutron* **activation** technique. 029161
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and **fast** *neutrons* [Integrated pest control, apple orchards]. 028836
Multielement characterization of atmospheric aerosols by **instrumental** *neutron* activation analysis and X-ray fluorescence analysis [Air pollution]. 030883

NEUTROPHIL
Chicken *neutrophils:* oxidative metabolism in phagocytic cells devoid of myeloperoxidase. 023620

NEWBORN *see* BIRTH

NEWCASTLE
The effect of overlay medium on plaque formation of tissue **culture-attenuated** *Newcastle* disease (TCND) vaccine virus [Chicken embryos]. 024634
A microtiter complement-fixation test for detecting and **differentiating** *Newcastle* disease virus strains. 024434
Newcastle **disease** virus pathogenesis in the respiratory tract of local or systemic immunized chickens. 024444
Preparation of *Newcastle* **disease** virus hemagglutination-inhibition test antigen [Chickens]. 024446
Newcastle **disease** vaccines: a study of duration of immunity and properties of LaSota vaccine given in drinking water [Chicks]. 024478
In vitro radiolabeling procedure which labels the proteins of *Newcastle* **disease** virions with carbon-14 [Chick embryos]. 024575
Isolation of *Newcastle* **disease** virus from the peacock. 024688
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against *Newcastle* **disease.** 024773
Dust vaccination, an alternative method in *Newcastle* **disease** prophylaxis. 024795
Response of congenitally immune chicks to viscerotropic **velogenic** *Newcastle* disease virus. 024449
Methods of spread of velogenic **viscerotropic** *Newcastle* disease virus in the southern Californian epidemic of 1971-1973 [Chickens]. 024443

NEWSPRINT
[Groundwood *newsprint]* system analysis of refiner [computer] mill operation. 025513
Economics of mechanical pulping in *newsprint* or **how** to choose a gold mine based on different energy cost scenarios. 025507

NICKEL
Nickel deficiency and *nickel-rhodiuminteraction* in **chicks.** 023538
Retardation of senescence in rice (Oryza sativa L.) leaves by benzimidazole and *nickel* **chloride.** 028422
Nickel **deficiency** in rats. 022141
Nickel **deficiency** and nickel-rhodiuminteraction in chicks. 023538
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace **elements** *nickel,* copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Essentiality of *nickel* for the **growth** of animals. 023952

NICOTIANA
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the **genus** *Nicotiana*. 028222
Auxin: its role in genetic tumor induction [in Nicotiana suaveolens X *Nicotiana* **langsdorffii**]. 026231
Caryological studies in anther-derived haploids of *Nicotiana* **tabacum** L. [Tobacco]. 026104
Deuterium isotope effects in *Nicotiana* **tabacum** [Tobacco]. 026928
Deuterium isotope effects in *Nicotiana* **tabacum** [Tobacco]. 026929
Uptake, translocation, and metabolism of [the nematicide] Tirpate in **tobacco** *Nicotiana* tabacum. 028378

NICOTINAMIDE
Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD *[nicotinamide* **adenine** dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Photoactivation of NAD *[nicotinamide* **adenine** dinucleotide] kinase through phytochrome [from Avena coleoptiles]. 026790
Purification of NADH *[nicotinamide* **adenine** dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791
Regulatory properties of **reduced** *nicotinamide-adenine* dinucleotide phosphate on a glutamate dehydrogenase from Neurospora crassa [Fungi]. 026612

NICOTINE
Vasopressin release by *nicotine:* the **site** of action [Cats]. 023336

NICOTINIC
Nicotinic **acid** intoxication after ingestion of minced meat. 021968
Tryptophan metabolism of Phycomyces blakesleeanus [Fungi]. II. The biosynthesis of *nicotinic* **acid.** 026414

NIGHT
Heat radiation from a glasshouse crop **canopy** at *night*. 029878
A *night* **flowering** fall Narcissus. Bulb formation and flowering ecology of Narcissus viridiflorus Schousboe. 027142
The reproductive biology of the epiphytic orchids of Florida. II. A method for **observing** *night-pollination*. 027111
Effect of *night* **temperature** on the toxicity of field-weathered mevinphos residues to honeybees. 029184

NIGHTSHADE
Nightshade **[Solanum]** control in crops. 028526

NILAPARVATA
A strain producing abundant brachypterous adults in *Nilaparvata* **lugens** (Homoptera: Delphacidae) [Rice pests]. 028721

NINHYDRIN
Rapid determination of tryptophan in beans (Phaseolus vulgaris) [maize and wheat] by the **acid** *ninhydrin* method. 022920

NIPPOSTRONGYLUS
The influence of Nematospiroides dubius on **subsequent** *Nippostrongylus* brasiliensis infections in mice. 024665

NITELLA
Studies on the effects of alcohols on membrane water permeability of *Nitella* **[Algae].** 026822
The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem *[Nitella* **flexilis,** algae, Elodea. 030650

NITRATES
Partitioning of nitrogen and carbon in cultures of the marine diatom Thalassiosira fluviatilis supplied with *nitrate,* **ammonium,** or urea. 026668
The microbiological role [controlling Clostridium botulinum] of nitrite and *nitrate* **[Bacon].** 021936
Occurrence and distribution of *nitrates* in **beans** (Phaseolusvulgaris L.) grown in different nitrogen supply conditions. 027152
Influence of nitrogen fertilization, spraying of **calcium** *nitrate,* thinning, and time of harvesting on James Grieve [variety of] apples. 030514
Economics of fertilizing pine [Pinus] stands in the Oberpfalz using **calcium-ammonium** *nitrate.* 030458
Contribution of nitrite and *nitrate* to the **colour** and flavour of cured meats. 022685
Purification of NADH [nicotinamide adenine **dinucleotide** *phosphate]-nitrate* reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791
Effects of **feeding** *nitrates* to dairy cattle. 023695
Miconazole *nitrate:* a new antifungal agent [Veterinary medicine]. 024779
Analysis of *nitrate* and **nitrite** in foodstuffs: a critical review [Meat]. 021933
The toxicology of *nitrate,* **nitrite** and N-nitroso compounds [in food]. 021937
Nitrate and **nitrite** content in wheat dried in internal combustion dryers. 022820
Nutritional and physiological effects of *nitrates,* **nitrites,** and nitrosamines. 022055
Naturally **occuring** *nitrate/nitrite* in foods. 022511
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and *nitrate* **poisoning** [Cattle]. 023057
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 **[potassium** *nitrate]* and gaseous factors. 026388
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of *nitrate* **reductase** and its inactivating enzyme [Field crops]. 026966
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of *nitrate* **reductase** and its inactivating enzyme [Wheat, barley, chickpeas, rice]. 026967
Nitrate uptake and induction of *nitrate* **reductase** in excised corn roots. 027025
Significance of trace metals and *nitrates* in **sludge** soils. 030253
An equation to predict the leaching of **surface-applied** *nitrate* [Soils]. 030229
Nitrate **uptake** and induction of nitrate reductase in excised corn roots. 027025
Physiological aspects of *nitrate* **utilisation** in a barley variety exhibiting high seed protein content. 026986

NITRICIDES
Photolysis of benzoic acid 2-(2,4,6-trichlorophenyl)hydrazide, *[Nitricide,* on **citrus** leaves; residues]. 029111

NITRITES
Nitrate and *nitrite* **content** in wheat dried in internal combustion dryers. 022820
Analysis of nitrate and *nitrite* in **foodstuffs:** a critical review [Meat]. 021933
Photosynthetic reduction of *nitrite* **gas** injury to vegetables [Cucumbers, kidney beans]. 028316
Reduction of gastric carcinogens with ascorbic acid [Food **leftovers,** *nitrite].* 021839
The microbiological role [controlling Clostridium botulinum] of *nitrite* and **nitrate** [Bacon]. 021936
Contribution of *nitrite* and **nitrate** to the colour and flavour of cured meats. 022685
Utilization of *nitrite* **nitrogen** by four fungi [Gliocephalotichum bulbilium, Aspergillus] causing 'fruit rot' diseases. 028079
Nutritional and physiological effects of nitrates, *nitrites,* and **nitrosamines.** 022055
The toxicology of nitrate, *nitrite* and **N-nitroso** compounds [in food]. 021937
Naturally **occuring** *nitrate/nitrite* in foods. 022511
Effect of muscle type on **residual** *nitrite* in cured meat [Swine]. 022678
Effect of ascorbic acid on *amine-nitrite* **toxicity** [Food additives]. 022032
Nitrite **transformations** in canned meat. 021898

NITRO
Nitro **compounds** in Astragalus species. 026751
The induction and the oncogenic mechanism of urinary bladder cancer in rats with *N-[4-(5-nitro-2-furyl)-2-tahiazolyl]* **formamide** (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of urinary bladder cancer in rats with *N-[4-(5-nitro-2-furyl)-2-thiazolyl]* **formamide** (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Results from two experiments with winter wheat, comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of *'Nitro-Chalk'* without or with the **herbicide** or fungicide or both. 030479
Synthesis and herbicidal activity of the optical isomers of **O-ethyl** *O-2-nitro-5-methylphenyl* N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485

NITROFEN
Characterization of bound residues of [the selective herbicide] *nitrofen* in **cereal** grains. 029105
Characterization of bound residues of [the selective herbicide] *nitrofen* in **rice** and wheat straw. 029106

NITROFURAN
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with *nitrofuran* **derivatives** and the development of FANFT as a model carc. 024866
A screening method for **determining** *nitrofuran* drug residues in animal tissues. 024968

NITROGEN
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, transpiration and *nitrogen* **absorption** [Maize, barley]. 027061
Influence of carbohydrate-free protein-rich diet on free **alpha-amino** *nitrogen* changes in plasma, erythrocytes and leucocytes [Rats]. 022172
Non-protein nitrogen as an **alternative** *nitrogen* source [in ruminant rations]. 023849
Formaldehyde titration method for the determination of **ammoniacal** *nitrogen* in phosphate fertilizers. 030480
Nitrification of **[anaerobically** digested] sewage sludge [in soil] using miscible displacement and perfusion techniques. 030822
Nutritional effects of *nitrogen-free* **analogues** of essential amino acids. 022149
Effect of *nitrogen* **application** spacing and planting method on two varieties of sunflower. 027474
Response of nodulating and non-nodulating soybean isolines to **applied** *nitrogen.* 030420
Use of auxin-like substances for preventing damage from, and increasing efficacy of, *nitrogen* **applied** in large doses. 030465
Effect of a large **area** *nitrogen* fertilization by airplane on volume increment of pine [Pinus] stands in the Bodenwohr Forestry District in Bavaria. 030459
The effect of various sources of carbon and *nitrogen* in an **artificial** nutrient medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. 026680
Melon flies [Dacus curcurbitae]: Dosage-response and sexual competitiveness after treatment with gamma irradiation in a *nitrogen* **atmosphere.** 028868
The breeding of nonleguminous plants for the development in them of symbiotic fixation of **atmospheric** *nitrogen.* 026264
Harnessing **atmospheric** *nitrogen* for agriculture [Fertilizers]. 030447
Harnessing **atmospheric** *nitrogen* for agriculture. 030450
A study of the *nitrogen* **balance** of cows fed with urea. 023951
Rapid determination of *nitrogen* by **Barwald's** method [Brewing]. 022391
N *[nitrogen]* **behavior** under no-till vs. Conventional corn culture. I. First-year results using unlabeled N fertilizer. 030414
The influence of *nitrogen* and **benlate** on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570
Potential tetany hazard [to ruminants] of N *[nitrogen]-fertilized* **bromegrass** [Bromus inermis] as indicated by chemical composition. 026892
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na *[nitrogen/potassium,* **calcium,** chlorine, sodium] in the medium on growth conditions of cells. 026912
Partitioning of *nitrogen* and **carbon** in cultures of the marine diatom Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. 026668
A note on response of potato to irrigation and *nitrogen* in **central** tract of Uttar Pradesh. 027758
Relaionship between the change in the **chloroplastic** *nitrogen* fractions and the rate of oxygen evolution in rice plants. 027049
Clover *nitrogen* and pasture management. 027397
Change in *nitrogen* **concentration** in chyme of the small intestine in steers fed various dosages of urea. 023942
Relationship between orange G dye-binding capacity and total N *[nitrogen]* **content** of six grass species [Protein content]. 023021
Nitrogen **content** in combined silages with varied alfalfa contents. 023084
Labile nitrogen reserves in the ruminant. Metabolic changesin growing cattle employing a *nitrogen* **depletion-repletion** treatment. 023536
Mo [molybdenum] and N *[nitrogen]* **effects** on growth, yield, and Mo composition of burley tobacco. 026890
Twenty-four hour urinary excretion of vitamins, minerals and *nitrogen* by **Eskimos.** 022010
The effects of autumn foliar urea sprays on storage forms of *nitrogen* **extracted** from bark and wood of apple shoots. 027204
Yield and quality of corn and grain sorghum grain and residues as influenced by N *[nitrogen]* **fertilization.** 027360
Nitrogen **fertilization** in tulip bulb production in Japan. 030402
Nitrogen **fertilization** of maize in relation to spacing of raws. 030436
Influence of *nitrogen* **fertilization,** spraying of calcium nitrate, thinning, and time of harvesting on James Grieve [variety of] apples. 030514
Nitrogen **fertilization** of grassland in the spring. Report of research during the period 1971-1973. 030515
Nitrogen **fertilization** of sugarbeet with regard to soil conditions and prognosis of fertilizer requirement. 030580
The effect of plant structure on the intake of tropical pasture. III. Influence of **fertilizer** *nitrogen* on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
Nodulation responses from *nitrogen* **[fertilizer]** applied to soybean half-root systems. 030415
Components of test weight of ten varieties of winter wheat grown with two rates of *nitrogen* **fertilizer** application. 030477
Economics of *nitrogen* **fertilizer** for corn [Costs]. 030509
Effects of *nitrogen* **fertilizer** on corn. 030510
Effect of organic matter application and water regimes on the transformation of **fertilizer** *nitrogen* in a Philippine soil. 030530
Nitrogen **fertilizer** management for cowpea (Vigna unguiculata) production in Sierra Leone. 030568
Soils affect efficiency of *nitrogen* **fertilizers** [Maize]. 030522

Certain peculiarities of growing geranium [Pelargonium] on meadow soils of the Gissar Valley in relation to the utilization of *nitrogenous* **fertilizers.** 030534
The effect of forms of *nitrogenous* **fertilizers** on agrochemical properties of brown forest soils and the yield of tea leaves. 030535
Application of *nitrogen* **fertilizers** to legumes. 030545
Effect of *nitrogen* **fertilizers** on yield of winter crops grown in soddy-podzolic loamy soils of the Belorussian Polesye. 030558
Effects of light intensity and temperature on *nitrogen* **fixation** by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427
Effect of altered pO2 [oxygen 1 percentage] in the aerial part of soybean on symbiotic N2 *[nitrogen]* **fixation.** 027019
Potentiometric determination of *nitrogen* in **fluids** produced by hydrolysis. 022437
Distribution of *nitrogen* **forms** in virgin and cultivated soils. 030528
Nitrogen **fractions** in earthworm casts and in the surrounding soil. 030272
Methods for **growing** *nitrogen-fixing* bacteria separated from plant cells. 030190
Results from two experiments with winter wheat, comparing todressings of a liquid N *[nitrogen]-fertilizer* either alone or with added **herbicide** or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Identification of a *nitrogenous* **heterocyclic** compound responsible for a potato-like off-flavour in Gruyere de Comte cheese. 021939
Dynamics and composition of alkali **hydrolyzable** *nitrogen* in polzol soils of the Kola Peninsula. 030286
Admission of N15 *[nitrogen* **isotope]** into the flowering glumes and separate parts of the caryopsis in wheat. 026946
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile *[nitrogen* **isotope]** by a soil culture [of microorganisms; phytotoxicity assay with wheat seedlings]. 028536
The initial organic products of fixation of 13N *[nitrogen* **isotope]-labeled** nitrogen gas by the blue-green alga Anabaena cylindrica. 026395
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N *[nitrogen* **isotope]-labeled** ammonium sulfate. 026975
Relative mineralization rates of indigenous and recently incorporated 15N *[nitrogen* **isotope]-labeled** nitrogen [in soils]. 030529
Effect of calibration procedures on accuracy and precision of automated **Kjeldahl** *nitrogen* analysis in some formulated foods. 022498
Labile *nitrogen* reserves in the ruminant. Metabolic changesin growing cattle employing a nitrogen depletion-repletion treatment. 023536
Labile *nitrogen* reserves and plasma nitrogen fractions in growing cattle. 023537
Late *nitrogen* topdressing of winter wheat [Yields]. 030550
Effects of spacing and *nitrogen* **level** on growth and yield of pimento [Capsicum annum]. 027716
The response of cell sap concentration and water content in cotton leaves to different combinations of soil salinity and *nitrogen* **levels.** 027062
Note on the [yield] response of hybrid bajra-4 [pearlmillet] to different **levels** of *nitrogen.* 030470
Freezing [food] with **liquid** *nitrogen.* 022451
Degree of acrosomal destruction following deep freezing of bull sperm in **liquid** *nitrogen.* 024243
Influence of some dipterous [Musca domestica] larvae on *nitrogen* **loss** from cattle dung. 029011
Effects of form and amounts of *nitrogen* and **magnesium** fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. 030484
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and *nitrogen* **manuring** on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Gas metabolism in ovine rumen cultures on a *nitrogen-deficient* **medium.** 023357
Effect of energy sources on plasma insulin and *nitrogen* **metabolism** in sheep totally nourished by infusions. 023760
Nitrogen **metabolism** and digestibility of feeds in Thornber hybrid and Belgian Landrace swine. 023912
Quantitative investigations on the *nitrogen* **metabolism** in higher plants. I. Mathematical models of nitrogen-metabolism of Vicia faba [Broadbeans]. 027141
Effects of exogenous supply of glucose or cycloheximide on *nitrogen* **metabolism** of cut Iris germanica L. flowers. 027226
Study of *nitrogen* **metabolism** of Pinus halepensis Mill.: arginase. 027309
Studies of a climosequence of soils in tussock grasslands. 3. *Nitrogen* **mineralisation** and protease activity. 030267
Utilization of **nitrite** *nitrogen* by four fungi [Gliocephalotichum bulbilium, Aspergillus] causing 'fruit rot' diseases. 028079
Relationship between ruminal ammonia and **nonprotein** *nitrogen* utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen utilization by cattle. 023771
Relationship between ruminal ammonia and **nonprotein** *nitrogen* utilization by ruminants. II. Application of published evidence to the development of a theoretical model for predicting nonprotein nitrogen utilization. 023772
Non-protein *nitrogen* as an alternative nitrogen source [in ruminant rations]. 023849
Digestibility of grain sorghum stover and wheat straw supplemented with NPN **[non-protein** *nitrogen,* cattle]. 023857
Competition or additional effects of *nitrogen* **nutrition** by nonsymbiotic and symbiotic means in soybean (Glycine max L. merr). 026915
Asparagine metabolism—key to the *nitrogen* **nutrition** of developing legume seeds [White lupins]. 027016
Effect of the level of *nitrogen* **nutrition** on yield and quality of planted grass stands. 027060
Studies on nutrition of grafted plants [Pharbitis, Ipomoea bana-nox, sweetpotato]. I. *Nitrogen* **nutrition.** 027144
The effect of *nitrogenous* **nutrition** [fertilizers] on the formation and accumulation of catechins in tea leaves in relation to irrigation under the conditions of Imeretia [USSR]. 030537
Sampling procedures for *nitrogen* and **phosphorus** in [watershed] runoff. 025063
Effect of *nitrogen* and **phosphorus** on the growth of selenastrum capricornutum [Eutrophication]. 026544
Response of wheat to *nitrogen,* **phosphorus** and potash under rainfed conditions. 027420
Influence of soil type on the *nitrogen* and **phosphorus** content of [Pinus] radiata pine litter. 030264
Effects of *nitrogen* and **phosphorus** on the yield and chemical composition of meadow foxtail [Alopecurus pratensis]. 030435
Effect of N *[nitrogen],* P **[phosphorus],** and K [potassium] on the yield of American cotton variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442
Effect of *nitrogen* and **phosphorus** fertilization on seed yield of late cauliflower—(Brassica oleracea var. botrytis). 030472
Performance of the new wheat variety Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 *[Nitrogen* and **phosphorus** fertilizers]. 030475
Results from experiments measuring the effects of large amounts of an NPK *[nitrogen,* **phosphorus,** potassium] fertilizer on yield, tuber size and N, P and K contents of three potato varieties. 030478
The effect of orchard factors on the chemical composition of apples. IV. Some effects of soil management and NPK *[nitrogen,* **phosphorus,** potassium] fertilizers. 030481
Nitrogen, **phosphorus** and potassium balance in the agriculture of Gomel' Region. 030559
The estimation of interactions in NPK *[nitrogen,* **phosphorus,** potassium] manuring experiments with grain maize carried out over a number of years. 030569
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and *K-[nitrogen,* **phosphorus,** potassium] uptake of winter wheat Triticum aestivum). 030570
Frequency analysis of cyclic phenomena in flowing streams [to monitor concentrations of nutrients, including various species of carbon, *nitrogen,* and **phosphorus].** 030856
The importance of *nitrogen* **planning** in sericulture [Morus, fertilizers]. 030474
Distribution of *nitrogen* in different **plant** parts of sorghum and amino acid composition of its grain as affected by foliar application of urea. 030468
Labile nitrogen reserves and **plasma** *nitrogen* fractions in growing cattle. 023537
Effects of *nitrogen* on the **protein** content of barley. 022746
An automated total **protein** *nitrogen* method [Feeds]. 023043
Nitrogen **requirements** of cattle. 023921
Soil fungistasis: elevation of the exogenous carbon and *nitrogen* **requirements** for spore germination by fungistatic volatiles in soils. 030192
Changes in the *nitrogen* **reserves** of apple shoots during the dormant season. 027197
Nitrogen **response** of rice. 030511
Nitrogen **responsiveness** of two lowland rice varieties under five management practices. 030498
Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of *nitrogen* by **rice** plants. 027054
Camellias and sulphur-coated urea [as source of **slow-release** *nitrogen].* 030416
Use of straw for a potential **slow-release** *nitrogen* source for rice. 030456
The effect of **slurry** *nitrogen* in dependence on application date, straw manuring and catch-crop growing under different local conditions. 030419
The effect of the structure of crop rotation on the composition of humus and *nitrogen* in **soddy-podzolic** soil. 027564
Absorption of fertilizer and **soil** *nitrogen* by rice plants under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of nitrogen by rice plants. 027054
Primary shoot production of blue grama [Bouteloua gracilis]grassland in south-central New Mexico under two **soil** *nitrogen* levels. 027525
Effect of freezing and thawing on the conversion of **soil** *nitrogen.* 030287
Encystment and germination in Azotobacter vinelandii [a *nitrogen-fixing* **soil** bacteria]. 030329
Canopy lichens with blue-green algae: a *nitrogen* **source** in a Colombian rain forest. 025894
Investigations on the *nitrogenous* **substances** of citrus fruits. V. The free amino acids of lemon juice. 022894
Comparison of sulphur-coasted urea and ammonium sulphate amended with N-Serve as sources of *nitrogen* for **sugarcane.** 030476
Occurrence and distribution of nitrates in beans (Phaseolusvulgaris L.) grown in different *nitrogen* **supply** conditions. 027152
Influence of zinc on **symbiotic** *nitrogen* fixation by soybean (Glycine max Linn.) in silt loam soil. 030222
Nitrogen **topdressing** of sugarbeets. 030551
The protein, non-protein and **total** *nitrogen* in Solanum tuberosum, ssp. andigena potatoes. 022878
Variability of **total** *nitrogen* content of 18 genotypes of meadow timothy (Phleum pratense L.). 026993
Nitrogen **transformations** in soil as affected by the fungicides benomyl, dyrene, and maneb [Effects on microorganisms]. 030177
Nitrogen **utilization** during spring blooms of marine phytoplankton in Bedford Basin, Nova Scotia, Canada. 026667
Patterns of *nitrogen* **utilization** in the soybean. 027036
Quantitative investigations on the nitrogen metabolism in higher plants. I. Mathematical models of *nitrogen-metabolism* of **Vicia** faba [Broadbeans]. 027141

NITROPHENOL

An investigation of the surface areas of dyed and undyed secondary cellulose acetate by *p-nitrophenol* **adsorption.** 025414
Chemical control of the sea lamprey: the addition of a chemical *[3-Trifluoromethyl-4-nitrophenol]* to the **environment** [Water pollution]. 030876

NITROSAMINE

The formation and analysis of *N-nitrosamines* **[Food].** 021935
Nutritional and physiological effects of nitrates, **nitrites,** and *nitrosamines.* 022055
Occurrence of **volatile** *nitrosamines* [known to be carcinogenic] in spice premixes [Meat products]. 022687

NITROSATION

The *nitrosation* **products** of creatine and creatinine in model systems. 022555

NITROSO

The toxicology of nitrate, nitrite and *N-nitroso* **compounds** [in food]. 021937
Chromosome aberrations induced in rat lymphocytes by *N-nitroso* **compounds** as a possible basis for carcinogen screening. 021955
Blocking the formation of *N-nitroso* **compounds** with ascorbicacid in vitro and in vivo [Caricinogens]. 022026
Formation of C- and *S-nitroso* **compounds** and their further reactions [Food]. 022509

NITROUS

Analysis of inheritance of the sensitivity of yeast [Saccharomyces cerevisiae] to radiation and *nitrous* **acid.** 026283

NOCARDIA

The trans-stadial transmission of the bovine farcy organism, *Nocardia* **farcinica,** by the ixodid Amblyomma variegatum (Fabricius, 1794). 024743

NOCTUIDAE

The misturata group of the genus Euxoa (Lepidoptera: *Noctuidae)* with a **description** of a new species [Euxoa melana]. 029554
Dispersal of 32 P[phosphorus isotope]-treated larvae of Spodoptera litura and Spodoptera mauritia (Lepidoptera: *Noctuidae)* **[Effect** of the wind direction]. 028714
Biosystematics of the genus Euxoa (Lepidoptera: *Noctuidae).* IV. **Eggs** of the subgenus Euxoa Hbn. 029551
Variation in the reproductive potential of Earias fabia Stoll (Lepidoptera: *Noctuidae)* **reared** on whole fruit of okra or on its components. 029483

NODE

Experimental induction of "leafless nodes" by phenylboronic acid treatment. A contribution to the **definition** of the *node.* 026422
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric **lymph** *nodes* of normal slaughter pigs. 024416
Propagation of Dioscorea floribunda from in vitro culture of *single-node* **stem** segments [Culture]. 027730

NODULES

On the possibility of using a jointly cultured system of isolated tissues from legumes and *nodular* **bacteria** for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. 026949
Comparative efficiency of different commercial inoculants of Rhizobium japonicum on field-grown soybeans *[Nodule* **bacteria].** 030220
Differentiated **callus** *nodules* in resin pockets of Pinus ponderosa Laws. 025464

The orientation of **certain** *root-nodule* bacteria at interfaces, including legume root-hair surfaces. 026648
Effects of light and temperature on *nodulation* of **cowpea** and hyacinth bean. 027189
The effect of **distant** *nodulation* on the activity of nodules in pea (Pisum sativum L.) and dwarf kidney bean (Phaseolus vulgaris L.). 027290
Nodulation **responses** from nitrogen [fertilizer] applied to soybean half-root systems. 030415
Ultrastructure, composition, and biogenesis of the encapsulation material surrounding the endophyte in Alnus crispa var. Mollis **root** *nodules.* 025992
Accumulation of 4-aminobutyrate in Trifilum subterraneum [subterranean clover] **root** *nodules:* effect of Rhizobium trifolii strain on aminotransferase activity. 026899
Studies with detached lupin **root** *nodules* in culture. I. Maintenance and induction of acetylene reduction activity [Rizobium]. 027031
Tryptophan and indole-3-acetic acid metabolism by Rhizobiummeliloti **[Root** *nodule* bacteria]. 030270
Compatibility of Rhizobium japonicum with chemical seed protectants [Fungicides, **soybeans,** *nodulation].* 026888

NOISE
Noise **hazards** on forestry operations in the South. 025459
Water management and *noise* **[pollution]** reduction. 030937
Abstracts of the 1971-1974 United States and foreign open literature on *noise,* **task** report J6331. I. 030873

NOMADACRIS
Aerial control of red locusts *[Nomadacris* **septemfasciata].** 028680

NOMENCLATURE
Nomenclatural **changes** in several Himalayan Leguminosae. 025713
Nomenclatural **changes** in stem borers [Chilo] of gramineous crops. 029581
A need for uniformity in *terminology* and **data** requirements for research on bulbous species. 027587
Nomenclature of **enterprises** for preparation of full-value pressed combined feeds. 023085
Reinstatement of an alleged nomen confusum and typification of Givotia Griff. **(Euphorbiaceae)** *[Nomenclature].* 025842
Progress towards an international system of beer **flavor** *terminology* [Quality]. 021974
Diphelypaea (Orobanchaceae), nom. Nov. And other cautherizations on a *nomenclatural* **Hydra.** 025832
Pellia **Raddi** *[nomenclature].* 025838
In reply to Mr. Welch, or the status and relationship of cultivar and botanical categories of infraspecific **rank** *[Nomenclature].* 025834
Local taxonomy and *terminology* for some **terrestrial** arthropods in five different ethnic groups of Papua New Guinea and central Australia. 029615
Dendrogram topology: *nomenclature* **[Trees].** 025659

NONAQUEOUS *see* AQUEOUS

NONOCCLUDED *see* OCCLUSION

NONPARASITIC *see* PARASITES

NONPROTEIN *see* PROTEINS

NORADRENALINE
Evidence for *noradrenaline* and **adrenaline** as sympathetic transmitters in the chicken. 023324
Effects of temperature on the responses to *noradrenaline,* **isoprenaline** and histamine on isolated rabbit mesenteric artery. 023408
Muscarinic inhibition of **potassium-induced** *noradrenaline* release and its dependence on the calcium concentration [Rabbits]. 023595

NORDITERPENE
X-ray determination of the structure of podolide, an **Antileukemic** *norditerpene* dilactone [Podocarpus gracilior]. 026636

NOREPINEPHRINE
The relative importance of monoamine oxidase and catechol-O-methyl transferase on the physiologic response to **administered** *norepinephrine* in the turkey. 023382
Some physiological and pharmalogical characteristics of the stimulus induced release of *norepinephrine* from the **rabbit** superior cervical ganglion. 023598
Norepinephrine **release** from nerve terminals within the rabbit superior cervical ganglion. 023596

NORMALIZATION
The role of intestines in the formation of *normal* **antibodies** at early stages of individual development of mammals [Includes livestock]. 023680
An antigen in *normal* **avian** cells which confuses virological and serological tests [Chickens]. 024454
The fine structure of mast cells in the *normal* **bovine** mammary gland. 023233
Livability of albino and *normal* **bull** spermatozoa at 5 degrees Centigrade in citrate, milk and tris yolk extenders. 024252
Serum lipase in *normal* **cattle.** 023430
Follicular growth during the *normal* **cycle** and after treatment with progestagens in the ewe. 023985
Halothane anaesthesia of *normal* and **dystrophic** hamsters. 024339
Normal **electrocardiogram** in dogs. 024349
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and *normal-chain* **fatty** acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Gluconeogenesis in the kidney-cortex slices of *normal* **fed** and starved sheep. 023660
Normal **fertility** induced in cow by double short treatment with chlormadinone acetate (CAP). 023992
Bacteriological status of respiratory tract of *normal* **fowl.** 024545
Monthly precipitation characteristics in Tottori Prefecture. 1. *Normalization* of **frequency** distribution and proable monthly precipitation [for irrigation planning]. 030740
Normal **hematological** parameters in cattle of the Central Belgian Blue, West Flemish Red and East Flemish Red Pied breeds. 023239
Yeasts of *normal* **honeys** from various sources [Food contamination]. 021837
Effect of diet on fatty acids in the lipoprotein cholesteryl esters of type IIa and *normal* **individuals.** 022150
Juvenile hormone titre in the haemolymph of adults of the *normal* and **infected** Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Problem of *normalization* of **losses** in wine manufacture. 022996
Chemical, palatability and cooking characteristics of *normal* and **low** quality [pale, soft, exudative] pork loins as affected by freezer storage. 022674
Normal **mode** analysis of the linear equation of groundwater flow. 030793
Correlation between potassium and lysine content in the kernels of *normal* and **opaque** (O2) corn. 026138
Microbiology of pale, dark and *normal* **pork.** 021928
Relationship between contractility and some biochemical properties of myofibrils prepared from *normal* and **PSE** [pale, soft, exudative] porcine muscle [Swine]. 022684
Total proteins and the electrophoretic pattern of serum protein in *normal* **Rajasthani** sheep. 023434
Hepatoma, host liver, and *normal* **rat** liver phospholipids as affected by diet. 022152
Intestinal lipid absorption: evidence for an intrinsic defect of chylomicron secretion by *normal* **rat** distal intestine. 022153
Analytical proof of Pascal's theorem extended to the **rational** *normal* curve K4 in the projective space P4 [Methodology]. 021659
Effect of sucrose on recovery of serum albumin concentrations of proteins deficient **rats** to *normal.* 022180
Coronary reactive hyperaemia and coronary dilator action of adenosine during *normal* **respiration** and hypercapnic acidosis in the dog. 023374
Water permeability during tomato fruit development in *normal* and **rin** nonripening mutant. 027274
Programming for efficient [farm] planning against *non-normal* **risk.** 021248
Physical properties of *normal* and **salt** affected soils of Uttar Pradesh. 030225
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric lymph nodes of *normal* **slaughter** pigs. 024416
Luteinizing hormone, progesterone and the morphological development of *normal* and **superovulated** corpora lutea in sheep. 024056
Mobility of *normal* and **virus-transformed** cells in cellular aggregates [Chick embryos]. 023496
Waxy **vs** *normal* barley in rat and pig diets. 023868
Lymphocytosis in *normal* **young** pigs. 024830
RNA polymerase from opaque-2 and *normal* **Zea** mays [maize] endosperm. 027010

NOSE
Development of *"nose* **fruit"** of Kopsia flavida Bl. [Morphology]. 025953

NOSEMA
Benomyl ineffective against *Nosema* **apis.** 029721
Serodiagnosis of nosematosis by immunofluorescence using cell-culture-grown organisms *[Nosema* **cuniculi].** 024638
Plague fights plague *[Nosema* **locustae** control of grasshoppers on forage crops, biological control]. 028701
Nosema **slovaca** sp. N.: a second microsporidian of the tick Ixodes ricinus. 029427

NOSEMATOSIS
Serodiagnosis of *nosematosis* by **immunofluorescence** using cell-culture-grown organisms [Nosema cuniculi]. 024638

NOSTOC
Partial purification and properties of ornithine transcarbamoylase from *Nostoc* **muscorum** Kutzing [Algae]. 026789
Microtubular complexes in blue-green algae *[Nostoc* **sphaericum].** 026820

NOTABLE
Some *notable* **captures** carried out in 1975 (IV to VII). 029625

NOTONECTA
A study of variability and size allometry during postembryonal development of *Notonecta* **maculata** Fabricius (Insecta, Heteroptera). 029236

NOZZLES
Comparison of two aerosol **generator** *nozzle* systems: estimates of droplet size and caged mosquito assays [Aedes taeniorhynchus, Anopheles quadrimaculatus]. 029968

NUCLEAR
Cytoplasmic and *nuclear* **binding** components for 1alpha,25-dihydroxyvitamin D3 in chick parathyroid glands. 023621
Carbon-13 *nuclear-magnetic-resonance* spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
DNA synthesis in circulating erythroblasts of anemic duck. Isolation and properties of *nuclear* and **cytoplasmic-nonmitochondrial** DNA. 024069
Nuclear **division** in fungi. 026011
Tolerance of Lolium hybrids to quantitative variation in *nuclear* **DNA.** 026228
Nuclear **envelope** changes related to cell activation in Helianthus tuberosus L. [Sunflowers]. 026005
Viral release and membrane acquisition by budding through the *nuclear* **envelope** of hemocytes of the gypsy moth, Porthetria dispar. 029431
Nuclear **fusion** in intergeneric heterokaryons. A note [Peas]. 026111
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera **litura** *nuclear* polyhedrosis virus [Insect pests, biological control]. 028643
Nuclear **magnetic** resonance spectroscopic determination of alpha- and beta-acid homolog composition in hops. 022483
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. *[Nuclear* **magnetic** resonance] signals in Urs-12-enes. 026463
High resolution 31P [phosphorus isotope] *nuclear* **magnetic** resonance studies of intact yeast cells. 026811
Carbon-13 NMR *[nuclear* **magnetic** resonance] spectra of some polycyclic triterpenoids [Actea racemosa]. 026844
Carbon-13 NMR *[nuclear* **magnetic** resonance] spectra of some furanosesquiterpenes, major components of Lindera strychnifolia. 026845
Characterization of *nuclear* **membranes** and endoplasmic reticulum isolated from plant tissue [Onions]. 027193
Repair of pyrimidine dimers in *nuclear* and **mitochondrial** DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. 026650
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of maize] strains that are distinct in *nuclear* **ploidy** and pathogenicity. 028025
Bioassay of *nuclear* **polyhedrosis** virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. 028674
Interaction of viruses of vertebrates and *nuclear* **polyhedrosis** viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. 029317
Detection on *nuclear* **polyhedrosis** virus infection in Heliothis spp. by agar gell double diffusion. 029423
The effects of ulravolet irradiation on a Baculovirus *[nuclear* **polyhedrosis** virus] infecting Galleria mellonella. 029430
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] larvae infected by *nuclear* **polyhedrosis** virus. 029796
The effect of radiation on processing of *nuclear* **RNA** and chromatin ribonulcease activity in rat liver and thymus. 023450
Equine herpesvirus-induced alterations in *nuclear* **RNA** and DNA polymerase activities. 024763
Nuclear **transplantation** in the rabbit egg. 024157

NUCLEASES
Specificity of the S1 *nuclease* from **Aspergillus** oryzae [Fungi]. 026631
Secondary structure of *nuclease* P1 [from **Penicillium** citrinum, fungi]. 026347

NUCLEIC
Development of self-incompatibility in Petunia [hybrida] using inhibitors of protein and *nucleic* **acid** metabolism. 027168
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in protein and *nucleic* **acids** contents of the rat liver. 023558
Effectiveness of different methods of preparing seedlings of cereals under sterile conditions for investigations of *nucleic* **acids** using radioactive precursors. 026874
Influence of hydroxyurea on *nucleic* **acids** content and 3H [tritium]-uridine incorporation in callus and tumorous tobaccotissues and cultured in vitro. 028699

NUCLEOLUS

Isolation of *nucleoli* and **localization** of ribonnucleic acid polymerase I from soybean hypocotyl. 026043

NUCLEOSIDE

Nucleosides and **nucleotides** of the cold acid-soluble portion of the blood of steers. 023456
Note on a third allele in th erythrocytic NP *[nucleoside* **phosphorylase]** system of cattle. 023977

NUCLEOTIDES

The influence of 3-amino-1,2,4-triazole (amitrole) on the **acid-soluble** *nucleotides* and some other phosphorus compounds in oat seedlings. 026909
The activation of non-phosphorylating electron transport by **adenine** *nucleotides* in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. 027125
Determination of beer flavor compounds by high pressure liquid **chromatography.** IV. *nucleotides.* 022546
Nucleosides and *nucleotides* of the **cold** acid-soluble portion of the blood of steers. 023456
Growth hormone, **cyclic** *nucleotides* and the rapid control of translation in heart muscle [Rats]. 023280
The role of extracellular Ca2+ [calcium ions] and **cyclic** *nucleotides* in the mechanism of enzyme secretion from the cat pancreas. 023613
Pyridine *nucleotide-linked* oxidation of methanol in methanol-assimilating yeasts [Pichia pinus, Candida boidianii]. 026625
Nucleotide **sequences** in the RNA of mammalian leukemia and sarcoma viruses. 024461

NUCLEUS

Notes on **apiculture.** III. *Nuclei.* 029856
Interferometric measurements of dry mass content in *nuclei* and **cytoplasm** in the life cycle of antheridial filaments cells of Chara vulgaris L. [Algae] in their successive developmental stages. 026334
Studies of cytology and growth of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of *nuclei* and **DNA** content in different isolation and stages of development [Forest trees]. 027952
The influence of chromatin compactness on the stoichiometry of the Feulgen-Schiff procedure studies in model films. II. Investigations on films containing condensed or swollenchicken **erythrocyte** *nuclei.* 023528
Fluorescent Feulgen staining of **fungal** *nuclei.* 026003
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the **generative** *nucleus* in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Further studies on the **hypoglossal** *nucleus* in the fowl. 023231
Investigations on the circadian cycle of secretion in the **neurosecretory** *nuclei* of mouse. 023196
Effects of severe energy and protein deficiencies on the fibres and *nuclei* in **skeletal** muscle of pigs. 024828
Synthesis and amino acid composition of basic proteins in mammalian **sperm** *nuclei.* 024064

NUDAURELIA

Diagnosis of three new species of Lepidoptera Heterocera from East Africa **[Imbrasia** *(Nudaurelia)* zaodeae, Phiala bergeri, Macropoliana afarorum]. 029623

NURSERIES

The experimentation to stabilize the appropriate sowing density of Alnus **barbata** in *nursery.* 025240
Initial weed control in Douglas fir [Pseudotsuga menziesii] *nursery* **beds** at Rangiora. 028532
A rotary implement attached to MF-70 motorobot [for soil tillage in **breeding** *nurseries].* 026249
Increasing the efficiency of growing planting stock in **forest** *nurseries.* 025208
On growing planting stock in the **forest** *nurseries* of Karelia [Silviculture]. 025211
Use of irrigation installations in the planting of grape **grafts** in a *nursery.* 030155
Use of plastic bags in sprinkler irrigation of **oilpalm** *nurseries.* 030108
The creation of mother plantations and *nurseries* for the **production** of vegetatively propagated tea transplants. 027863
Copper deficiency in Pinus radiata in a peat **soil** *nursery.* 028396
Profitability of *nursery* **stock** in Boskoop during 1973/1974 [Costs, returns]. 021412
Portable oscilloscope technique for detecting dormancy in [forest] *nursery* **stock.** 027343
Overwintering structures in Connecticut for *nursery* **stock.** I. The plant response [Cold injuries]. 028352
Plans for a shielded herbicide applicator for Christmas trees and *nursery* **stock.** 030114
Varieties for *nursery* **watermelon** culture. 027792

NURSING

The control of reproduction in the *nursing* **cow** with a progestagen short-term treatment. 024002
Low fertility in *nursing* **ewes** during the non-breeding season. 023989
The *nursing* and **suckling** behaviour of pigs. IV. The effect of interrupting the sucking stimulus. 023343
New data on the ecology of the ant Proformica ferreri Bondroit., with special reference to *nurse* **workers.** 029378

NUTRIA *see* COYPUS

NUTRIENTS

Influence of *nutrient* **additions** and initial density of plants on production of water hyacinth Eichhornia crassipes. 026372
Variations in the **apparent** *nutrient* content of foods: a study of sampling error. 022060
The effect of various sources of carbon and nitrogen in an **artificial** *nutrient* medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. 026680
The development of a standardized marine algal assay procedure for *nutrient* **assessment** [Water pollution]. 030860
Control of dimorphism in the female honeybee [Apis mellifera]. 3. The **balance** of *nutrients.* 029807
Proceedings: **biostimulation**—*nutrient* assessment workshop, October 16-17, 1973 Corvallis, Oregon [Environmental pollution, algal assays]. 030858
Compost *nutrient* balance: effects on growth of tomato plants, fruit quality and yield. 030394
Studies on the nutritive value of swine feed. II. Determining the digestibility of *nutrients* in some **concentrates** with swine. 023880
The effect of morphactin on the *nutrient* **concentration** of snapdragons [Antirrhinum majus]. 027190
Undergrowth vegetation effects on the *nutrient* **content** of litterfall and soils in red pine [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897
Nutrient **content** of mule deer diets [Forage] from ponderosapine range. 026987
The calcium, magnesium and *micronutrient* **contents** of agricultural liming materials available to Georgia farmers. 030462
Comparisons of methods for calculating retentions of *nutrients* in **cooked** foods. 022115
Amounts of *nutrients* for **crops** grown in pot experiments-rice [Fertilizers]. 030482
Influence of *micronutrients* on **cucumber** yields. 030488
Environmental influences on the *nutrient* **cycle** of a beech [Fagus] forest on acid soil. 027316
The effects of urea, cottonseed oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and **feed** *nutrients* and blood metabolites [Dairy cows]. 023774
Foliar *nutrient* variation in four species of upland oaks [Quercus]. 030554
Nutrient **intake** of women. 022086
The *nutrient* and **irrigation** regime of fine-fiber cotton. 027439
Balancing the costs and benefits of *nutrient* **labeling.** 022256
Great **Lakes** *nutrient* assessment [Algal assay, Cladophora, Selenastrum capricornutum]. 026545
Photosynthesis of newly matured leaves during the ontogeny of barley grown at different *nutrient* **levels.** 026931
The effect of the *nutrient* **medium** on the formation and chemical composition of a polysaccharide produced by Aureobasidium pullulans (de By.) Arn. [Fungi]. 026679
Activity of aminotransferase in tomato seedlings depending on Ca: Mg [calcium: magnesium] ion ratio in the *nutrient* **medium.** 027092
Bacterial production of protein from cellulose. I. Effect of composition of **mineral** *nutrient* medium on the bacterial utilization of cellulose [Food research]. 022371
Nutrient **needs** and food costs of women. 022087
Sodium as a **plant** *nutrient.* 026858
Digestion, absorption and utilization of *nutrients* in **poultry.** 023810
Economics of **producing** *nutrients* from cellulose [Food or feed additives]. 022430
Nutrient **removal** in nut harvest ['Farley' pecans]. 027219
Nutrient **requirements** of fish—a review. 023823
Micronutrient **requirements** of chrysanthemums grown on peat substrates. 027079
Micronutrient **research** in soils and [deficiency symptoms in] plants in India: a review. 030466
Frequency analysis of cyclic phenomena in flowing streams [to monitor concentrations of *nutrients,* including various **species** of carbon, nitrogen, and phosphorus]. 030856
Effect of *nutrient* **starvation** on the utilization of storage lipids in Mortierella ramanniana [Fungi]. 028394
Nutrient **status** of wheat crop in Ludhiana [Zinc and copperdeficiencies]. 028350
Accumulation of **stored** *nutrients* in the grains of hexaploid triticale. 026137
Nutrient **supply** of Zurich grape soils [Fertilization]. 030521
Availability of *nutrients* in **swine** waste [Feed]. 023883
Sporophyte development of Funaria hygrometrica Sibth. [Musci]. I. Structural data of water and *nutrient* **uptake** in the haustorium. 026063
Corn yield and *nutrient* **uptake** as affected by water-table depth and soil submergence. 026889
Root patterns in [grain] crops as related to water and *nutrient* **uptake.** 026963
Effect of sulphur and phosphorus application on soil characteristics, *nutrient* **uptake** and yield of wheat crop. 026980
Effect on plant growth and *nutrient* **uptake** of a saturated gypsum solution given to a soil rich in Ca [calcium]. 030438
Nutrient **utilization,** body composition and meat quality as affected by energy protein ratio [Chicks]. 023841
Chemical composition and in **vitro** *nutrient* digestibility of some of the tree leaves. 023037
Swine **waste** *nutrient* recycling [Drinking water]. 023902
Soil temperature and soil aeration effects on concentrations and total amounts of *nutrients* in **'Yecora'** wheat grain. 027047
Streamflow chemistry and *nutrient* **yields** from upland-peatland watersheds in Minnesota. 025022

NUTRITION

Nutritional **adequacy** of diets of a selected group of low-income women: identification of some related factors. 022102
Decree of the Department of *Nutrition,* **Agriculture** and Environment for the execution of the honeybee disease regulation [Apis mellifera, acarine disease, foulbrood]. 029761
Present questions on the biochemistry of vitamin E [Human and **animal** *nutrition].* 022217
Animal *nutrition* research in Trinidad & Tobago: a review and commentary. 023753
Growth factors, of course, but first rearing conditions [**Animal** *nutrition].* 023789
Induced research on the problem of proteins for human and **animal** *nutrition* in France. 023803
Aspects and problems of **animal** *nutrition:* investigations and reflections on the use of rapeseed meal. 023925
Aspects and problems of **animal** *nutrition:* investigations and reflections on the use of rapeseed meal. 023926
Vitamin E, selenium and amino acids containing sulfur **[Animal** *nutrition].* 023949
Food intake, its relationship to body weight and age, and its **apparent** *nutritional* adequacy in New Guinean children. 022001
Nutrition and **artificial** feed for silkworm [Bombyx mori]. 3. 029717
The ecology of the *nutrition* of the **Bapedi,** Sekhukuniland. 022082
Influence of *nutrition* on **bitter** pit in apples. 028304
The interaction of *nutrition* and **body** condition at mating on ovulation rate and early embryo mortality in Scottish Blackface ewes. 024087
Nutrition and **bone** development in horses. 023754
On the formation of the pattern of crystal idioblasts in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of **calcium** *nutrition.* 027063
Carbohydrate *nutritive* value of several feeds on farms of the Dnieper-right-bank forest-steppe region of the Ukraine. 023941
Nutritive **characteristics** of some species of Potentilla L. 026538
Cheese in *nutrition* **[Chemical** composition]. 022579
Nutritional and **chemical** changes in heated casein. III. A comparison of the alkali-soluble and insoluble fractions. 022596
Child *Nutrition* Bicentennial Project. 022349
March to the tune of the **Child** *Nutrition* Bicentennial Project. 022354
Nutritional **considerations** concerning the staple foods of the English-speaking Caribbean. 022079
Effects of some *nutritional* **deficiences** on parturition in rats. 024114
Marginal sulphur supplies for grassland herbage in southeast Scotland *[Nutritional* **deficiencies].** 028380
Sterility [Cattle, *nutritional* **deficiency].** 024215
Nutrition and **development** of Pygmephorus mesembrinae and Pygmephorus quadratus (Acarina, Pygmephoridae). 029474
Evaluation of feedstuffs in the field of *nutrition* and **dietetics** in Czechoslovakia in 1970-1974. 023078
Veterinary activities in the field of *nutrition* and **dietetics** in Slovakia in 1971-1974. 023940
Nutritional **disorders** in expectant mothers. 022191
A few current topics in connection with the *nutritional* **disorders** of horses. 024896
The public seminar as a *nutrition* **education** approach. 022132
Nutritional **effects** of nitrogen-free analogues of essential amino acids. 022149
Macro-element and trace **element** *nutrition* of sheep grazing tussock grassland. 022709
Biological pecularities of **embryonic** *nutrition* and the practice of cattle reproduction. 024257
Dietary value of cubes in **equine** *nutrition* [Horses]. 023775
Recent developments in **equine** *nutrition* [Horses]. 023824
Estimated *nutritive* value of treated forages for ruminants. 023764
Estimated *nutritional* requirements of high producing sheep. 023817
Nutritional **evaluation** of protein from shrimp cannery effluent (Shrimp Waste Protein). 023748
Nutritional **factors** in alcoholism. 022094
Nutrition of **feedlot** beef cattle in New Zealand. 023830
The effect of root and **foliar** *nutrition* on the growth, development and yield of mandarin orange fruits [Soil and foliardressing with fertilizers]. 030539
Studies on *nutrition* of **grafted** plants [Pharbitis, Ipomoea bana-nox, sweetpotato]. I. Nitrogen nutrition. 027144
Nutrition of **greenhouse** cucumbers on peat substrates [Mineral fertilizers]. 030489
The effect of different planes of *nutrition* during **growth** on the productivity of Holstein cows. 3. Growth to the first calving of two groups at the same body weight. 023877

The effect of different planes of *nutrition* during **growth** on the productivity of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878
Effects of CO2 [carbon dioxide] *nutrition* on **growth** and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
Breakfast: **hallmark** of good *nutrition*. 022347
How *nutrition* research has improved the economy of poultry production. 023820
Effect of wheat fiber on blood lipids, fecal steroid excretion and serum iron [in **human** *nutrition]*. 021999
Nutrition, **human** welfare, and economics. 022126
On fenugreek protein (Trigonella foenum graecum [**Human** *nutrition]*. 022167
The evaluation of new protein sources from the point of view of health [in **human** *nutrition]*. 022168
Knowing and telling how to eat [**Human** *nutrition]*. 022203
Scientific bases for using inorganic and organic selenium compounds in medicine [Includes **human** *nutrition]*. 022219
Use of vitamin E in medicine [Includes **human** *nutrition]*. 022221
Stereochemistry of sugar and sugar alcohols in regard to its biochemical and physiological-chemical **importance** *[Nutrition]*. 022174
Maternity services [**India**, includes *nutrition]*. 022190
The Food and *Nutrition* **Information** Center. 022283
Trace minerals are top *nutrition* **insurance** [Dairy cattle]. 023728
Uniformization of the calculation of the optimum in the *nutrition* **interactions** of plants. 026368
Nutritional **knowledge** of health food users in Oahu, Hawaii. 022127
Nutrition **labeling** - tools for its use. 022255
Foods in prehistory: *nutritional* **lessons** for the present. 022249
Morphological and chemical indices of eggs of hybrid and line-bred poultry with varying **levels** of *nutrition*. 024241
Production and physiological activity of tocopherols and their analogues [**Livestock** *nutrition]*. 023946
Vitamin E in the *nutrition* of **livestock**. 023948
Role of lactation in the *nutrition* of **low** socio-economic groups. 022081
Evaluation of a **low-lactose** *nutritional* supplement in malnourished children. 022122
Structure and mode of function of the organelles associated with *nutrition* of the **macrogametes** of Eimeria acervulina [Chickens]. 024791
Safety of heavy metals as *nutritional* **markers** [Mice, monkeys]. 021876
Relationships of birthweight, **maternal** *nutrition* and infant mortality. 022185
Research on *nutrition* of **meat** and extender blends shows PER of mixtures close to that of lean beef. 022341
Nutritional and **medical** evaluation of sugar exchange materials in oral and parenteral application. 022173
Functional interrelations of vitamins E and K in animal **metabolism** *[Nutrition]*. 023945
The **mineral** *nutrition* of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. 026912
Interaction of management and *nutrition* on **neonatal** calf performance—a preliminary report. 023821
Competition or additional effects of **nitrogen** *nutrition* by nonsymbiotic and symbiotic means in soybean (Glycine max L. merr). 026915
Asparagine metabolism—key to the **nitrogen** *nutrition* of developing legume seeds [White lupins]. 027016
Effect of the level of **nitrogen** *nutrition* on yield and quality of planted grass stands. 027060
Studies on nutrition of grafted plants [Pharbitis, Ipomoea bana-nox, sweetpotato]. I. **Nitrogen** *nutrition*. 027144
The effect of **nitrogenous** *nutrition* [fertilizers] on the formation and accumulation of catechins in tea leaves in relation to irrigation under the conditions of Imeretia [USSR]. 030537
Nutrition of **orphan** marsupials [reared on cow's milk]. 022054
A program for total **parenteral** *nutrition* at home. 021996
Nutritional and **physiological** effects of nitrates, nitrites, and nitrosamines. 022055
Nutritional **physiology** of zinc and symptoms of its deficiency in some field crops. 028364
Subcutaneous injections of raw egg white into growing **pigs** *[Nutrition]*. 023901
Nutrition **plays** a big part [Chickens, egg quality]. 023813
New International Committee on Food and *Nutrition* **Policy**. 022353
Some observations on the **possible** *nutritional* significance of vitamin B12-and folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. 023705
Nutrition of the **pre-ruminant** calf. 023831
Nutrition **program** for the elerly; two Texas projects offer meals, companionship, and recreation. 022350
A comparison of the **protein** *nutritive* value and composition of four cultivars of faba beans (Vicia faba L.) grown and harvested under controlled conditions. 022145
Swine feeding: recent trends in *nutrition* with **proteins** and amino acids. 023913
Proximate *nutritive* value changes during decomposition of salt marsh plants [Spartina cynosuroides, Distichlis spicata, Scirpus americanus]. 022104
Nutritional **qualities** of some African edible leafy vegetables. Effect of boiling on the essential amino acid composition of their extracted protein. 022933
Cowpea powders dried with methionine: preparation, storage stability, organoleptic properties, *nutritional* **quality**. 022929
Food practices and civilization: relations of *nutrition* and **religion** in ancient Rome. 022192
Biological and zootechnical problems relating to *nutritional* **requirements** for conventional and nonconventional proteins: production, availability and consumption. 022013
The role of organic sulphur in the copper-molybdenum-S interrelationship in **ruminant** *nutrition* [Sheep]. 023709
Thiomolybdates and the copper-molybdenum-sulphur interaction in **ruminant** *nutrition* [Sheep]. 023752
What audit means to a program manager, Food and *Nutrition* **Service**. 022200
CO2 [carbon dioxide] *nutrition* of **spring** cucumbers in the Netherlands [Leaf injury]. 028299
Starch in *nutrition*. 022156
The relation between *nutrition* **state** and yield of Scotch pine (Pinus sylvestris L.) in north eastern Bavaria. 025189
Comparison of the *nutritional* **status** of pregnant adolescents with adult pregnant women. II. Anthropometric and dietary findings. 021997
Vitamin A *nutritional* **status** of rural community of Khol block in Haryana, North India. 022011
Relationship between diet during pregnancy and *nutritional* **status** of the new born [child]. 022110
Hydroxyproline index: an indicator of *nutritional* **status;** study of Mississippi children. 022124
Preliminary investigations on the suitability of phloem analysis as a diagnostic tool to predict the *nutritional* **status** of Norway spruce (Picea abies Karst.). 027317
Nutritive **studies** on the utilization of beta-carotene in rats. 1. Effects of hydrolyzed iodinated-casein on the conversion of beta-carotene into vitamin A. 023718
Supportive *nutritional* care for foals born to iso-immunized mares. 024907
Nutritional **survey** in an iron- and folate-deficient popuation. 022007
Swine *nutrition*. 023725
Educational **techniques** in *nutrition*. 022092
The *nutritional* and **therapeutic** value of tea—a review. 022148
Hormology with inorganic compounds *[Nutritional* and **toxic** effects on man and animals]. 021873
Introduction to heavy metal toxicity, safety and hormology *[Nutritional* and **toxic** effects in humans]. 021874
Toxicology of non-radioactive heavy metals and their salts *[Nutritional* and **toxic** effects on animals]. 024951
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium *[Nutrition,* **toxicity**]. 023947
Modern vocational **training** in *nutrition*. 022223
The *nutritional* **value** of bread. 022064
Egyptian prunes kernel seeds *[Nutritive* **value**]. 022075
Studies on the biological evaluation of guar (Cyamopsistetragonoloba). I. Effects of trypsin supplementation on the *nutritive* **value** of guar. 022111
Influence of glucosinolates and high-molecular factors on the *nutritional* **value** of low-glucosinolate rapeseed meal. 022147
The "complete meat" coupon *[Nutritive* **value**]. 022204
Microwave and conventional cooking in relation to quality and *nutritive* **value** of beef and beef-soy loaves. 022232
Prediction of *nutritive* **value** of freshly harvested and conserved fodder oat using laboratory analysis. 023038
Nutritive **value** of some browse and forb species [New Mexico]. 023064
Evaluation of *nutritive* **value** of haylage and cereal haylage [Composition, digestibility]. 023082
The *nutritive* **value** of Kikuyu grass, Pennisetum clandestinum, in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. 023723
Nutritive **value** of neem seed cake (Melia indica) [Cattle]. 023746
A methionine substitute: 4-methylthiobutane-1,2-diol *[Nutritive* **value,** chicks]. 023747
Influence of cooking upon the *nutritive* **value** of potato and maize in diets for growing pigs. 023777
Full ration feed mixtures with different *nutritive* **value** in fattening young Italian White geese. 023808
Plant tannins, bloat and *nutritive* **value** [Cattle]. 023832
The *nutritive* **value** of silages. 023851
Studies on the *nutritive* **value** of swine feed. II. Determining the digestibility of nutrients in some concentrates with swine. 023880
Evaluating the *nutritive* **value** of feeds for sugar-protein ratios. 023937
The effect of long term storage on the *nutritive* **value** of pollen for brood rearing of honeybees. 029724
Comparison of *nutritive* **values** of groundnut oil cake and Niger oil cake for laying pullets [Chickens]. 023712
Zinc *nutrition* and temperature effects on tomato. 027206

NUTRITIONISTS

Professor Dr. E. Brouwer, **deceased** *[Nutritionists]*. 022224

NUTS

Effects of **betel** *nut* and fermented fish on the thiamin status of northeastern Thais. 022000
Betel *nut* [Areca catechu] constituents as inhibitors of gamma-aminobutyric acid uptake. 022526
Cashew *nut* unsaponifiable matter. 022927
Nutrient removal in *nut* **harvest** ['Farley' pecans]. 027219
Parasites and pathogens of the **Japanese** *nut* tree giant silkworm [Forest pests, natural control]. 028966
Macadamia *nut* selection programme in Kenya. 027616
Cashew **nut** unsaponifiable matter. 022927
Preliminary studies on the incidence of molds on **pecan** *nuts* during harvesting and drying [Aspergillus flavus, Aspergillus parasiticus]. 028039
Separation of blank **pistachio** *nuts* by mechanical harvesting. 027721
Container production of *cashew* **seedling** rootstocks—seed germination in beds as an alternative to direct sowing. 027595
Competition in marketing domestic **tree** *nuts*. 021605
Fruits and **tree** *nuts:* blooming, harvesting, and marketing dates. 027656

NYCTAGINACEAE

The North American species, Boerhavia **spicata** *(Nyctaginaceae)* in northwestern Argentina. 025814

NYMPHALIDAE

A new species of Euphaedra [dargei] (Lepidoptera, **African** *Nymphalidae)*. 029619
Courtship behavior and use of chemical communication by males of certain species of ithomiine **butterflies** *(Nymphalidae:* Lepidoptera) [Danainae]. 029215
Revisional notes on African Charaxes, Palla and Euxanthe (Lepidoptera: *Nymphalidae)*. X. [New taxa]. 029546

NYMPHS

Effect of the new insecticide PDD 60-40 on *nymphs* and **adults** of the cabbage bug Eurydema oleraceum L. (Heteroptera, Pentatomidae). 028898
Biology and *nymphal* **stages** of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of arthropod pests on ornamentals. 028814

NYSIUS

A comparison of chemicals for the control of *Nysius* [**huttoni**] on brassicas [fodder crops]. 028772

OAK

The cocoon spinning behaviour of the **Chinese** *oak* silkworm, Antheraea pernyi. 029726
Leaf litter fungi associated with **evergreen** *oak* forests in Japan [Castanopsis, Quercus, Lithocarpus, Machilus, Cinnamomum, Daphniphyllum]. 025904
Branch grading indexes after size in **pedunculate** *oak*, sesile oak and beech stands [Quercus, Fagus]. 025161
Pedunculate *oaks*, Quercus robur, nature's monuments in Wroclaw. 025550
Pruning **pin** *oak* [Quercus palustris] in southeastern Missouri. 025261
Experiment in the protection of *oak* [**Quercus**] groves from the oak roller moth. 028965
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an *oak-hickory* [**Quercus,** Carya] forest in Missouri. 029287
Wilt development in **red** *oak* [Quercus rubra] seedlings: a new system for studying oak wilt [Ceratocystis fagacearum]. 028065
Experiment in the protection of oak [Quercus] groves from the *oak* **roller** moth. 028965
Branch grading indexes after size in pedunculate oak, **sesile** *oak* and beech stands [Quercus, Fagus]. 025161
Wilt development in red oak [Quercus rubra] seedlings: a new system for **studying** *oak* wilt [Ceratocystis fagacearum]. 028065
Auxometric investigations on the **Turkey** *oak* [Quercus cerris] of the Gargano [Forest mensuration]. 025103
Foliar nutrient variation in four species of **upland** *oaks* [Quercus]. 030554
An analysis of variation within **white** *oak* (Quercus alba L.) [Morphology and ecology]. 026069
Growth of four types of **white** *oak* [Quercus alba] reproduction after clearcutting in the Missouri Ozarks. 027345

OASIS

Faunal characterization of cotton fields agrogeobios in the **Murgab** *oasis* [Arthropa, including pests]. 029601
Soil salinization in the **Murgab** *Oasis*. 030254

OATS

Use of *oats* and **animal** fat in swine rations. 023903
The most valuable varieties of **barley** and *oats*. 026272

Dynamic characteristics of growth of the plant root system and methods of their determination *[Oats,* **barley**]. 027000
About **breeding** *oats.* 026250
Evolution in the genus Avena: inheritance of different forms of ribulose diphosphate **carboxylase** *[Oats].* 026121
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in Avena *[oats]* **coleoptile** segments. 027030
Physiologic races of *oat* **crown** [Puccinia coronata avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. 027938
Evidence for ammonium-dependent de novo synthesis of glutamate dehydrogenase in **detached** *oat* leaves. 027023
Protein content and amino acid composition in groats and hulls of **developing** *oats* (Avena sativa). 022786
Triallate granule spacing **effect** on *oat.* 028623
Prediction of nutritive value of freshly harvested and conserved **fodder** *oat* using laboratory analysis. 023038
Influence of temperature on growth of **Froker** *oats* for forage. II. Concentrations and yields of chemical constituents. 026935
Fungal toxins as determinants of hosts specificity [Helminthosporium victoriae, blight of *oats,* **Helminthosporium** carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Cladistic analysis of the diploid and **hexaploid** *oats* (Avena, Poaceae) using numerical techniques. 025658
Cladistic analysis of the diploid and **hexaploid** *oats* (Avena, Poaceae) using numerical techniques. 026106
Pot experiments with *oats* on the **influence** of feed supplements on the fertilizer effect of [pouldtry and swine] excrements. 030424
Influence of formulation on efficacy of three systemic fungicides for control of *oat* **leaf** rust [Puccinia coronata avenae]. 027926
Influence of reducing and oxidating compounds on iron accumulation and chlorophyll content in *oat* **leaves.** 026876
Radio gas chromatographic analysis of volatile aldehydes originating from soybean and *oat* **lipoxygenase** linoleic acid oxidation. 022850
Photocontrol of phytochrome destruction in grass *[oats,* **maize**] seedlings. The influence of wavelength and irradiance. 027002
Oat **production** in Manitoba. 027480
The racial composition of the pathogen of stem rust of *oats,* **Puccinia** graminis Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Development of the stem and crown rust fungi on leaves, sheaths, and peduncles of *oats* [**Puccinia** coronata avenae, Puccinia graminis avenae]. 028051
The influence of 3-amino-1,2,4-triazole (amitrole) on the acid-soluble nucleotides and some other phosphorus compounds in *oat* **seedlings.** 026909
Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, *oats,* and **soybean** yields (1962-72). 030717
Effect of gibberellic acid on the plasticity and elasticity of Avena [sativa, *oats]* **stem** segments. 027020
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, *oats,* **wheat,** Puccinia graminis tritici]. 028052
Wild *oat* [Avena fatua] gene pool: a collection maintained by the Canada Department of Agriculture. 026241
Selective control of **wild** *oats* [Avena fatua] in barley withAC 84777. 028503
Another problem solved: **wild** *oats* [Avena fatua control]. 028515
Difenzoquat for **wild** *oat* [Avena fatua, Avena ludoviciana] control in cereals. 028550
Wild *oat* control in Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne]. 028625
Oat **yield** losses from septoria leaf blotch [Leptosphaeria avenaria] at four locations in eastern Canada. 027931
Use of urea and growth substances in winter rye and *oats* **[Yields].** 027553

OBESITY

Effects of mazindol [anorectic agent] on carbohydrate and insulin **metabolism** in *obesity.* 022160
Sensitivity to physiological hunger cues: are the *obese* **really** different. 022186

OBSTETRICS

Dystocias [of domestic animals] seen in the Clinic of Ankara University Veterinary Faculty, *Obstetric* and **Gynecology** Department in the period of 1963-1973. 024861
Ultrasonic double technique as a diagnostic aid in veterinary gynecology and *obstetrics* with **special** regard to new techniques and its resulting range of utilization in clinic and practice. 024231

OCCIPITAL

Evidence for direct projections from the hypothalamus to the lateral geniculate and *occipital* **cortex** of the cat as demonstrated by horseradish peroxidase technique. 023409

OCCLUSION

Occlusion in the **dog** [Teeth]. 024906
Nonoccluded **viruslike** particles in larvae of Culicoides cavaticus (Diptera: Ceratopogonidae). 029030

OCCUPATIONS

Employment in agricultural and **agribusiness** *occupations.* 021266
The **agricultural** *career* ladder. 021299
Careers in **Soil** Conservation Service. 030595
Occupation: **supervisor.** 022277

OCHRATOXIN

Effects of *ochratoxin* A on **carbohydrate** metabolism in rats [Aspergillus ochraceus]. 024959

OCTYL

A rapid screening method for the determination of *di-(n-octyl)* **tin** stabilizers in alcoholic beverages, using a heated graphite atomizer. 022490

ODONATA

Observations on egg laying of four *Odonata* of the **genus** Lestes (Zygoptera: Lestidae) in Quebec. 029451
An exceptionally early and informative arrival of adult Anax junius in **Ontario** *(Odonata:* Aeshnidae). 029280

ODONTOTERMES

The apical tibial spur formula in the termite **genus** *Odontotermes* Holmgren (Isoptera: Termitidae: Macrotermitinae). 029597
Digestion and absorption of carbohydrates in *Odontotermes* **obesus** (Isoptera: Termitidae). 029329
Growth of mounds and foraging territories in *Odontotermes* **redemanni** (Wasmann) (Isoptera: Termitidae). 029375

ODOR

Control of *odors* and **aerosols** from spent grain dryers. 030914
In the [cattle] **barn** *odors* are intense. 030846
A new barn consciousness *[Odor* **control**]. 030845
There is a cure to **control** *odors* [Swine houses]. 030847
Insect antennae with special reference to the mechanism of *scent* **detection** and the evolution of the sensilla. 029386
Scent-marking, **dominance** and flehmen behavior in domestic rabbits in an artificial laboratory territory. 023372
Purification of *odorous* **effluent** gases by oxidation using sodium chlorite [Food processing industry]. 030895
Odor **emmisions** from animal rearing units. 030973
Farm certification and approach to **farm** *odour* problems in Ontario. 030918
Floral *odors* and quantitative taxonomy of Magnolia and Liriodendron. 025833
Psychometric classification of *odors* [Includes **food** odors]. 022067
Odor **measurement** for livestock feeding operations [Waste management, feedlots]. 030921
Methods and tools for **measuring** *odors* [from barns]. 030972
Natural products of abdominal and **metathoracic** *scent* glands of coreoid bugs [Coreidae]. 029220
Controlling [animal] rendering **plant** *odors.* 030916
Community reactions to *odors* from **pulp** mills: a pilot sudy in Eureka, California. 030886
Simple ways of **reducing** *odor* during the storage and application of liquid manure to arable land. 030809
Use of ventilation to **remove** *odors* from liquid manure [Equipment, air pollution control]. 030016
Studies on the receptors to the *odoriferous* **steroid,** 5alphaandrost-16-en-3-one, in sow nasal epithelium. 023522
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result [Thresholds for *odor* and **taste].** 022066
Unpleasant *odors* of Alaska pollack. I. Acidic, basic and carbonyl compounds [Seafood]. 022412
Trial-following by the army ant, Neivamyrmex nigrescens: responses by workers to **volatile** *odors.* 029223
Control of livestock **waste** *odors.* 030913

OEDEMERIDAE

Note on *Oedemeridae* and **Lagriidae** of the Ponziane Islands (Coleoptera, Heteromera). 029592

OENANTHE

A noteworthy fruit stock in *Oenanthe* **[prolifera]** (Umbelliferae) [Morphology]. 025951

OENOTHERA

Investigations on plastome mutants in *Oenothera.* III. **Comparative** ultrastructural characterization of the mutants. 025949
Investigations on plastome mutants in *Oenothera.* II. **Ultrastructural** survey. 025948

OIL

Analysis of mesocarp and kernel oils from the American oil palm and F1 hybrids with the West **African** *oil* palm. 022789
Considerations on the phototoxicity of **bergamot** *oil.* 021879
Phototoxicity of **bergamot** *oil:* experimental studies. 021880
Study of **bergamot** *oil* by thin-layer chromatography and spectrofluorometry [Adulteration]. 021881
Methods and results of **breeding** *oil* crops in the Don region. 026259
Unsaponifiable matters of **butter** *oil.* I. Compositional study of hydrocarbon fraction. 022624
Change in permeability of erythrocyte membranes in rodents caused by **cod-liver** *oil,* vitamin E, and fatty acids [Gerbils, rats]. 022133
Effect of water and BHT [butylated hydroxytoluene] on stability of **cottonseed** *oil* during frying. 022790
The effects of urea, **cottonseed** *oil* meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Air pollution control at **cottonseed** *oil* mills. 030912
Pakistani **edible** *oil* imports rise, but U.S. Share slips. 021551
Fractionation of **edible** *oils* from isopropanol. 022540
Importance of **essential** *oils* in the development of lemon and bergamot culture in Italy [Economic aspects]. 021188
Abnormal presence of hexyleneglycol in commercial **essential** *oils* of Vetiveria zizanioides and Cananga odorata. 022377
Identification and evaluation of the flavor-significant components of ginger **essential** *oil.* 022419
Some **essential** *oils* originating form Corsica. 022529
Study of orange **essential** *oils.* I. Analysis by infrared spectroscopy. 022881
Investigations of the **essential** *oil* of Hyssopus zeravshanicus. 026484
Phenols from the **essential** *oils* of some species of Artemisia. 026491
Study of the **essential** *oil* of Ajania fastigiata. 026505
Effect of age of plant on the quality of **essential** *oil* of peppermint (Mentha piperita Linn). 026607
New Zealand phytochemical survey. 11. The **essential** *oil* of Araucaria heterophylla (syn. Araucaria excelsa). 026688
Abnormal presence of hexyleneglycol in the commercial **essential** *oils* of Vetiveria [zizanioides] and Cananga [odorata]. 026780
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and **essential** *oils* in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. 026837
Essential *oil* from Artemisia macrocephala. 026936
CO2 [carbon dioxide] storage in **Eucalyptus** *oil* glands: a hypothesis disproved. 027304
Immunization against Aujeszky's disease with an inactivatedvirus in *oil* **excipient** [Rabbits, swine]. 024682
Modest recovery seen in '76 for U.S. Fats and *oils* **exports.** 021546
On the use of enzymes for *vegetable-oil* **extraction.** A preliminary report. 022818
World trade in oilseeds, *oils* and **fats:** past and prospects. 021490
Bibliographic guide to *oils* and **fats** and their by-products. XLIX. 022539
Determination of neutral substances in tall products *[Oils,* **fatty** acids, colophony]. 025304
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with rapeseed or **groundnut** *oil.* 022144
Comparison of nutritive values of **groundnut** *oil* cake and Niger oil cake for laying pullets [Chickens]. 023712
The K 30 T **Heylo** *oil* air filter [for drying cereals]. 030045
The "Direx-40" process for direct solvent extraction of seeds with a **high** *oil* content without pre-pressing, i.e. without using expellers. 022819
Introduction of *oil* **hydraulics:** building elements. 029946
Development of **intracellular** *oil* globules and a membrane structure surrounding the core lipids in the yeast Lipomyces starkeyi. 026590
Abnormal oxidation of seychellene [a perfumery constituent of patchouli and **jatamansi** *oils].* 022549
Analysis of mesocarp and **kernel** *oils* from the American oil palm and F1 hybrids with the West African oil palm. 022789
Experiments on the harmful effect of Aculus pelekassi K. On the yield and quality of essential **lemon** *oil.* 028857
World cottonseed production down, *oil* and **meal** exports to decline in 1976. 021643
General trends of action of the Interprofessional Technical Center of **Metropolitan** *Oil* Crops during the next years. 027374
Technical program of the Interprofessional Technical Center of **Metropolitan** *Oil* Crops. Studies and tests carried out during the 1974-1975 season. 027375
Comparison of nutritive values of groundnut oil cake and **Niger** *oil* cake for laying pullets [Chickens]. 023712

Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the **olive** *oil* by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Erythrodiol content of "dark green" **olive** *oil.* 022980
Extracting plants: **palm** *oil* and kernel recovery [Industry and agriculture, Guatemala]. 021217
Responses of four orange varieties to certain **petroleum** *oils* [used as insecticidal sprays] in Texas. 028872
Study of the *oils* of **plants** of the family Umbelliferae. III. 026506
Litter and oil on the shores of Utsira, Rogaland County, during autumn 1974 *[Oil* **pollution].** 030889
The situation of research on olive growing and *oil* **production.** 022912
Composition of beta-sitosterol extracted from tall *[oil]* **products.** 025301
Contribution to the treatment of ovarian cysts in cattle with chorionogonadotropin suspended in *oily* **progesterone.** 024228
Trends in the processing of oil seeds and fruits. The simultaneous extraction of *oils* and **proteins.** 022525
Effects of glucocorticoid administration on the deposition of fat in the cardiac lipids of rats fed **rapeseed** *oil.* 022181
Potential content of the antioxidant in the **resin** *oils* produced by the Ashinskii [wood processing] establishment. 025319
Glyceride structure of Egyptian vegetable oils. VII. Erucic acid **rich** *oils.* 022808
Chemical composition of Angelica [archangelica] **root** *oil* [Flavors for alcoholic beverages]. 022368
Effects of dietary triglyceride on the properties and lipid composition of plasma lipoproteins: acute experiments in rats fed **safflower** *oil.* 022151
Thermal reaction of **safflower** *oil* fatty acid methyl esters in the presence of iodine: identification of reaction products. 022813
Variety influence on sunflower **seed** *oil* composition. I. 022766
The tolerance of *oil* **seed** rape to herbicides. 027039
Trends in the processing of *oil* **seeds** and fruits. The simultaneous extraction of oils and proteins. 022525
Distribution of fatty acids in triglycerides from Corylus avellana L. *oil* **seeds.** 022978
Litter and *oil* on the **shores** of Utsira, Rogaland County, during autumn 1974 [Oil pollution]. 030889
The world fats and *oils* **situation.** Statistics and problems. 021775
Effect of [harvest moisture content and] heated air drying on **soybean** *oil* quality. 022845
Factors increasing the vitamin E activity of plant lipids [**Soybean** *oil* hydrogenation]. 022846
Effects of **soybean** *oil* meal as the whole source of protein on rate of gain and feed efficiency of growing and finishing pigs. 023836
The effects of urea, cottonseed oil meal and **sunflower** *oil* meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Studies on some features of *oil* **sunflower** and their significance in breeding that plant in Poland. 026170
Thermal stability of **tall** *oil,* its fractions and individual components. 025352
On the causes of coloration of fractions of fatty acids in **tall** *oil* rectification. 025403
European Community's use of **vegetable** *oils* gaining over animal fats [Consumption]. 021533
Glyceride structure of Egyptian **vegetable** *oils.* VII. Erucic acid rich oils. 022808
Studies on the effects of various adsorbents on the constituents of **vegetable** *oil* [Rapeseed, sunflowers]. 022809
Interpretation of **vegetable** *oil* analyses through EDP [electronic data processing]. 022817
Exploitation of some wastes of **vegetable** *oils* as sources of vitamin E in animal and poultry husbandry. 023944
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the *oils* and of the **wastewaters.** 022979
Determination of moisture in wood-based materials treated with *oil* [**Wood** industry]. 025371
Penetration of *oil-borne* [**wood**] preservative in American elm [Ulmus americana]. 025477
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the *oil* **yield,** on the analytical characteristics of the oils and of the wastewaters. 022979

OILPALM
Use of plastic bags in sprinkler irrigation of *oilpalm* **nurseries.** 030108
Use of a pathogenic germ in the control of Sibine fusca (Limacodidae) **[Pests** of *oilpalms].* 028672

OILSEED
Effects of feeding **formaldehyde-treated** *oilseed* supplements to sheep on pasture. 023801
World trade in *oilseeds,* **oils** and fats: past and prospects. 021490
Economic analysis of grain and *oilseed* **production** in Western Canada [Costs, returns]. 021374
Identification and properties of "phytate" in cereal grains and *oilseed* **products.** 022773

OKRA
Variation in the reproductive potential of Earias fabia Stoll (Lepidoptera: Noctuidae) reared on whole fruit of *okra* or on its **components.** 029483
Time-course of 14C [carbon isotope]-sucrose translocation by successive leaves of Hibiscus **esculentus** L. *(Okra).* 027130
Effects of metepa on emergence, longevity and reproduction of Earias insulana *[Okra,* **pests].** 028897
Effect of levels and way of fertilizer application on *okra* **seed** germination. 030519
Okra **seeds:** a new protein source. 022918

OLEA
Flavonoids of the leaves of [olive] *Olea* **europaea.** 027160
Swan Hill fruitless olive *[Olea* **europaea,** varieties]. 027793

OLEANDER
The effect of *oleander* [**Nerium** oleander] glycosides on the germination of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096

OLEIC
A kinetic study of the competitive oxidation of *oleic* **acid-linoleic** acid mixtures [Food]. 022506
Turnover of **plasma** *oleic* acid measured by radio-gas chromatography. 023413

OLEORESINS *see* RESINS

OLETHREUTIDAE
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: *Olethreutidae)* with **sex** pheromone traps [Apple pests]. 028827

OLFACTORY
Effects of *olfactory* **bulb** ablation on maternal behaviour in sows [Swine]. 023248
Olfactory **discrimination** by honeybees [Apis mellifera] of terpenes identified from volatiles of alfalfa flowers. 029819
Visual and *olfactory* **responses** in orientation to plants by the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 028840

OLIGONUCLEOTIDES
Distribuiton of bromouracil in the **pyrimidine** *oligonucleotides* of Drosophila [melanogaster] DNA. 029448

OLIGOSACCHARIDE
The transfer of mannose to dolichol **diphosphate** *oligosaccharides* in **pig** liver endoplasmic reticulum. 023294
Glycoprotein biosynthesis in plants: Demonstration of **lipid-linked** *oligosaccharides* of mannose and N-acetylglucosamine [Cotton]. 026976

OLIGOTROPHIC
Dynamics of phytoplanktonic production in the *oligotrophic* **lake** Paajarvi, southern Finland [Algae]. 026365

OLIVES
Turn on color and **customers** with *olives.* 022313
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of *olive* **fruit** immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837
Swan Hill **fruitless** *olive* [Olea europaea, varieties]. 027793
Erythrodiol content of "dark **green"** *olive* oil. 022980
The situation of research on *olive* **growing** and oil production. 022912
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the *olive* **oil** by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Flavonoids of the leaves of *[olive]* **Olea** europaea. 027160
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on **oviposited** *olives.* 028837
Acidic composition of neutral lipids, glucolipids and phospholipids from *olive* **tree** leaves and chloroplasts. II. 027289
Future of *olive* **trees** in Colombia. II. 027831
Olive **trees** in Colombia. 027832

OLPIDIUM
The nature of the infectious agent of tobacco stunt [virus] in relation to its [fungus] vector, *Olpidium* **brassicae.** 027983
Transmission of tobacco necrosis virus by *Olpidium* **brassicae.** 027984
Acquisition and loss of the tobacco stunt pathogen by *Olpidium* **brassicae** [fungus vector] and transmission by sap inoculation. 028236

OMASUM
The blood vascular system of the **bovine** *omasum.* 023232

ONCIDIUM
Proposal for the conservation of the generic name 1779 Oncidium Swartz (Orchidaceae) with a conserved type species, *Oncidium* **altissimum** Sw. 025841

ONCOGENIC
Hemagglutinating properties of CELO [chicken-embryo-lethal-orphan], an *oncogenic* **avian** adenovirus. 024437
The induction and the *oncogenic* **mechanism** of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the *oncogenic* **mechanism** of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Significance of CELO virus contamination of hatching eggs, in view of its *oncogenic* **properties.** 024414

ONIONS
A rapid spectrophotometric method of determination of thiopropanal S-oxide (lachrymator) in *onion* **(Allium** cepa L.) and its significance in flavour studies. 022946
The use of synthetic (plus/minus)-S-1-propyl-L-cysteine sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of *onion* **(Allium** cepa L.). 022953
Photoperiodic regulation of bulbing and maturation of Bet **Alpha** *onions* (Allium cepa L.) under decreasing daylength conditions [in Israel]. 027200
The effect of the growing of *onion* **bulbs** and their weight on seed yield. 027856
The genus Botrytis associated with the rot of *onion* **bulbs.** 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from onion leaves. 027889
Differential staining of the chromosomes of Allium **cepa** L. *[Onion].* 026141
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium **Cepa** L. *[Onions].* 027096
Cytological effects of fungicides, plantvax and vitavax on somatic cells of Allium **cepa** *[Onions].* 027945
Preparations for marketing irradiated potatoes and *onions* in the **Federal** Republic of Germany [Consumer and health considerations]. 021895
Effect of manganese and sulphur fertilization on growth and yield of *onions* **grown** on alkaline low moor peat soil. 030395
Prospects of *onion* **irradiation** in India [Economic feasibility]. 021394
Potato and *onion* **irradiation** in the Netherlands. 022910
Effect of gamma-irradiation on development of **lachrymator** of *onion.* 027098
The genus Botrytis associated with the rot of onion bulbs. 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from *onion* **leaves.** 027889
Annotated bibliography on storage of *onions,* 1970-1974. 022965
A new record of stem and bulb nematode [Ditylenchus dipsaci] in **Ontario** *[Onions].* 028347
The economic feasibility of *onion,* **potato** and wheat irradiation in India. 021395
Comparison of ultrastructural localization of acid phosphatasic activity in Allium cepa L. (Liliaceae) *[onions]* **radicles,** developed at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224
Genetic variability and scope of improvement in *onion* **seed** crop. 026183
Onion **sowing** depth and herbicides. 028560
Commercialization of irradiated potatoes, mushrooms, *onions* and **spices** in the Netherlands. 022906
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, **sugar-maize** and *onions.* 023003
Fine structural and cytochemical analysis of phragmosomes (microbodies) during cytokinesis in Allium [sativum] root **tipcells** *[Onions].* 026058
Characterization of nuclear membranes and endoplasmic reticulum isolated from plant **tissue** *[Onions].* 027193
Influence of hypoxia on protoplast structure in the plant cell [of *onion* and of **Tradescantia** bracteata]. 027095

ONOBRYCHIS
A comparative study of the pollen of diploid and autotetraploid forms of species of *Onobrychis* L. **[Sainfoin].** 026136

ONTHOPHAGUS
New *Onthophagus* species from South India and Africa (Coleoptera, Scarabaeidae). 029572
Dung burial activity and fly control potential of *Onthophagus* **nuchicornis** (Coleoptera: Scarabaeinae) in British Columbia. 028641
Effects of cattle dung and dung beetle *[Onthophagus* **nuchicornis]** activity on growth of beardless wheatgrass [Agropyron spicatum inerme] in British Columbia. 030434

ONTOGENY
Photosynthesis of newly matured leaves during the *ontogeny* of **barley** grown at different nutrient levels. 026931
Carotene content in blood serum of young Arabian **camels** in *ontogenesis.* 023451
Immunochemical methods in the study of *ontogenic* **evolution** of proteins: fraction I protein and malate dehydrogenase during ageing of wheat leaves. 027003
Contribution to the teratology of the honeysuckles and to the fusion problem. III. Association of the biflora cyme with *ontogenetic* **gamophylly** [Lonicera nigra, Lonicera orientalis, Lonicera nigra pyrenaica, Lonicera xylosteoides]. 026107
Morphological-anatomic study of Pulsatilla violacea Rupr. And Pulsatilla aurea (N. Busch) **Juz.** during *ontogenesis.* 026038
The influence of bulb harvest dates, temperature treatments and growth substances on the *ontogeny* of **Lilium** longiflorum. 027089
Ultrastructural observations on septal and **merosporangial** *ontogeny* in Linderina pennispora (Kickxellales; Zygomycetes). 025991
Impatiens balsamina gynoecium. **Morphological** *ontogenic* and tetratologic studies. 025981
Ontogenetic **predisposition** of tomato foliage to race O of Phytophthora infestans [Late blight]. 028058

ONYCHIURUS
Studies on Collembola. XX. Two new Onychiurus from the Venete Prealps [Onychiurus paolettii, *Onychiurus* **hauseri**]. 029685

OOCYST
Relative value of [Eimeria] *oocyst* **counts** in evaluating anticoccidial activity [Chickens]. 024447
Effect of mode of infection on manifestation of symptom and *oocyst* **production** in chicken coccidiosis. II. Mixed infection with Eimeria acervulina and Eimeria tenella. 024621

OOCYTE
Preovulatory and ovulatory mechanisms in *oocyte* **maturation** [Rabbits]. 024125

OOENCYRTUS
Activity of juvenile hormone analogues on hymenopterous parasitoids *[Ooencyrtus* **kuwanai,** Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, pest control]. 028644

OOGENESIS
Factors **promoting** *vitellogenic* competence and yolk deposition in the cockroach [Periplaneta americana] ovary: the postecdysis female. 029411

OOGONIA
Albugo-like *oogonia* from the American carboniferous [Paleobotany]. 025816

OOMYCETE
Cytology of *Oomycetes.* **Evidence** for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378

OONOPIDAE
Spiders of Lebanon. I. Note on Opopaea punctata (O. Pickard Cambridge, 1872) and other species of this genus (**Araneae,** *Oonopidae).* 029595

OPAQUE
High moisture, **acid-treated** *opaque-2,* waxy and dent corn rations for growing-finishing pigs. 023893
Correlation between potassium and lysine content in the kernels of normal and *opaque* (O2) **corn.** 026138
Protein and amino acid evaluation of commercially **grown** *opaque-2* corn [Swine feeding]. 023765
RNA polymerase from *opaque-2* and **normal** Zea mays [maize] endosperm. 027010
Chemical composition, protein quality and protein value of *Opaque-2* and other **varieties** of maize at different stages of ripening. 022077

OPERCULELLA
Observations on a granulosis virus of the potato tuberworm, **Phthorimaea** *operculella.* 028875

OPERCULUM
Ultrastructural study of asci: wall, apical apparatus, ascospore wall in *inoperculate* **Discomycetes** and Hysteriales [Fungi]. 026041
Study of spores of *operculate* **Discomycetes** [Fungi] under scanning electron microscope. I. Morchellaceae. 026046

OPTICS
Synthesis and herbicidal activity of the *optical* **isomers** of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485
Chemical synthesis of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and *optical* **specificity** and its neurotoxic action[Lathyrus sativus]. 026402

OPTIMIZATION
Optimization of **fertilizer** doses for topdressing of winter wheat after inorganic analysis of the plants for 1975. 030552
Plant **growth** *optimisation* using a small computer. 026316
Leveling of irrigated plots by the method of **local** *optimization.* 030679
Optimization **possibility** of regional agricultural technological service system. 021330
Principles of *optimization* of **reservoir** utilization regime. 030770
Optimizing the **sorting** of logs on semi-automatic lines. 025449
The methodology of *optimization* of **technological** processes of wood chemical industry. 025348
Optimizing **transport** and trans-shipping operations [Logging]. 025450
Optimization of **water** use efficiency under high frequency irrigation. I. Evapotranspiration and yield relationship. 030737
Optimization of **water** use efficiency under high frequency irrigation. II. System simulation and dynamic programming. 030738
Problems and principles of *optimizing* **water** quality control programs. 030772
Comment on 'Chance-constrained dynamic programing and *optimization* of **water** resource systems' by Arthur J. Askew. 030789

OPTIMUM
Determining *optimum* productivity of equipment for washing parts in machine repairing. 030157
Methods of **establishing** *optimum* dimensions of production in the utilization of low-grade lumber and wood waste. 025396
Yield response to soil warming: agronomic crops [Soil temperature for *optimum* **growth,** utilization of energy production waste waters]. 026895
Yield response to soil warming: vegetable crops [Soil temperature for *optimum* **growth,** utilization of energy production waste waters]. 027106
Determination of *optimum* **harvesting** time of forage plants according to fodder digestibility. 027538
The [economic] basis for an *optimum* **machinery** set up [on cotton growing farms]. 021405
Uniformization of the calculation of the *optimum* in the **nutrition** interactions of plants. 026368
Investigations on *optimum* **plant** population for pineapples in Kenya. 027614
Determination of the *optimum* **sowing** date for eggplant and sweet pepper grown in the Sudan for export. 027597
Optimum **temperature** and duration of low-temperature treatment for forcing tulips. 027619

OPUNTIA
The flowers of Opuntia glomerata Haw. And *Opuntia* **andicola** Pfeiff. 025654

ORAL
Effects of *oral* **administration** of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and fattening of castrated male pigs. 023872
Relationships of ascorbic acid to pregnancy, and *oral* **contraceptive** steroids. 022043
The role of dietary carbohydrates in plaque formation and *oral* **disease.** 022187
Hexachlorobenzene. IV. Accumulation and elimination of HCB in pigs after *oral* **dosing** [Fungicide, residues]. 024983
Local and systemic immune responses **following** *oral* immunization of foetal lambs. 024531
Chloramphenicol plasma levels in horses, cattle and sheep after *oral* and **intramuscular** administration. 023678
Proteinuria in neonatal piglets after *oral* and **intravenous** administration of homologous colostrum and serum proteins. 023449
Effect of ascorbic acid deficiency on the permeability and collagen biosynthesis of *oral* **mucosal** epithelium. 022033
Nutritional and medical evaluation of sugar exchange materials in *oral* and **parenteral** application. 022173

ORANGES
A new form of *orange* [in the **breeding** material]. 026291
Natural hybrids of **clementine** *[oranges].* 027752
Preservation of **comminuted** *orange* products. 022941
Preliminary discussion of polymorphism in trees which are the issue of nucellar embryos of the Tunisian variety of Maltese **demi-sanguine** *oranges.* 025971
Relationship between *orange* G **dye-binding** capacity and total N [nitrogen] content of six grass species [Protein content]. 023021
Study of *orange* **essential** oils. I. Analysis by infrared spectroscopy. 022881
Test allows early detection of young *[orange* and **grapefruit]** tree decline [Diseases of unknown origin]. 028442
Production and marketing of **Hassaku** *oranges.* 1. 021466
Peroxidase reactions and *orange* **juice** quality. 022936
Effect of *orange* **juice** parameters on gelation in hot-pack concentrate. 022940
Ratio between citric acid and isocitric acid in *orange* **juices.** 022893
Studies on quality control for Satuma **mandarin** *oranges.* I. On the classification method for stored Satsuma mandarin by sampling inspection. 021860
Studies on the nondestructive measurement of quality of Satsuma **mandarin** *oranges.* II. The use of light transmittance techniques for fruit grading. 021861
Studies on postharvest treatments for ripening of citrus fruits. I. Lowering of the acidity in Satsuma **mandarin** *orange* by heat treatment. 022869
The effect of potassium fertilizers on frost resistance of the **mandarin** *orange* tree. 030538
The effect of root and foliar nutrition on the growth, development and yield of **mandarin** *orange* fruits [Soil and foliardressing with fertilizers]. 030539
The effect of mulching of humus calcareous soils on the yield of **mandarin** *oranges.* 030618
Enzyme use to reduce viscosity and increase recovery of soluble solids from citrus pulp-washing **operations** *[Oranges].* 022932
Effect of different rootstocks on vigour, yield and fruit quality of blood **red** *orange* (Citrus sinensis Osbeck) [Culture]. 027761
Studies on the simplification of quality evaluation of Satsuma mandarin. II. Relation between refractometer value and total sugar contents in **Satsuma** *orange* juice. 022884
Techniques and problems in the storage of **Satsuma** *orange.* 4. Effect of temperature on its physiological deterioration and susceptibility to diseases. 028317
Rough fruit condition of the **Shamouti** *orange:* occurrence and patterns of development. 028414
Responses of four *orange* **varieties** to certain petroleum oils [used as insecticidal sprays] in Texas. 028872
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the **yellow** *orange* leaf virus disease transmission. 028789

ORCHARDGRASS
Seasonal change of palatability of *orchardgrass* **[Dactyis]** varieties [Ewes, grazing]. 023874
Dormancy breaking in the light-sensitive seeds in temperature forage crops. IV. Seed development of *orchardgrass* **(Dactylis** glomerata L.) and change in germination behaviour during its development. 026996
Studies on the regrowth of *orchardgrass* **[Dactylis]** under different season, cutting and fertilization. 027376
On the estimation of the productivity of *orchardgrass* **[Dactylis** glomerata] swards in Hokkaido. 027494
Study on assessment of the quality of roughage. 2. Comparative value of *orchardgrass* **hay** and silage influenced by harvesting time and cutting frequency. 023066
Comparison of productivity between semi-natural Miscanthus sward and **improved** *orchardgrass* [Dactylis]-ladino clover mixture. 027462
Milona, a new **variety** of *orchardgrass.* 027546

ORCHARDS
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the **affected** *orchard* soils. 028445
Effects of some fungicide treatments on earthworm populations and leaf removal in **apple** *orchards.* 027991
Prolonged observations on spread and behaviour of proliferation [virus] disease in **apple** *orchards.* 028192
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, **apple** *orchards].* 028836
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in **citrus** *orchard* [Insect pests, biological control]. 028823
Influence of fertilizers on yield and quality of a young **citrus** *orchard* in Kenya. 030401
The effect of *orchard* **factors** on the chemical composition of apples. IV. Some effects of soil management and NPK [nitrogen, phosphorus, potassium] fertilizers. 030481
Norms of capital expenditures for the establishment of stone **fruit** *orchards.* 021451
Weeds in *orchards* as **important** alternate sources of green peach aphids [Myzus persicae] in late spring. 028855
Use and field application of pheromones in *orchard* **[insect]** pest management programs. 028856
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in male annihilation of melon fly [Tested in a **macadamia** *orchard].* 028873
Computer simulation used to control [apples] *orchard* **mites** [Panonychus ulmi, Stethorus punctum, biological control]. 028890
Studies on the chlorosis of Japanese pear trees at **old** *orchards* in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected orchard soils. 028445
Studies on the chlorosis of Japanese pear trees at **old** *orchards* in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an upland crop. 028446
Residues of atrazine, simazine, linuron and diuron after repeated annual applications in a **peach** *orchard.* 029182
Periods for urea application to the soils of **peach** *orchards.* 030525
Economics of establishing young **pecan** *orchards* [Costs, returns]. 021423
Legumes in **pecan** *orchards.* 027814
Study of sharka [plum pox virus] spread pattern in some **plum** *orchards.* 028198
Improved performance of peach tree clone freed from ring spot [virus] by thermotherapy. Study of **recontamination** in the *orchard.* 028182

Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of *orchard* **soil** on growth of an upland crop. 028446
Soil [invertebrates] fauna of *orchards* and **vineyards** in relation to soil cover. 030228

ORCHIDACEAE
Jacquin names **again** *[Orchidaceae].* 025836
Porpax meirax (par. Et Reichb. F.) K. & P. *(Orchidaceae)* **first** report of its occurrence in India. 025703
To pollinate an orchid *[Orchidaceae,* **insect** pollinators]. 029245
Chromosome numbers and evolution in **Ophrys** *(Orchidaceae).* 026232
Some native ground **orchids** *[Orchidaceae].* 025806
Proposal for the conservation of the generic name 1779 Oncidium **Swartz** *(Orchidaceae)* with a conserved type species, Oncidium altissimum Sw. 025841
Proposal for the conservation of the generic name 1393b Phragmipedium Rolfe (1896) *(Orchidaceae),* against **Uropedium** Lindley (1846). 025840

ORCHIDS
Basic *orchid* culture. 12. Appearances count! 027703
Can there be a different view on *orchids* and **conservation?** [Collecting, Mexico]. 025543
Louis Menand—**early** *orchid* grower. 027706
The reproductive biology of the **epiphytic** *orchids* of Florida. II. A method for observing night-pollination. 027111
Exquisite *orchids* from Western Ghats (India). 1. Dendrobium barbatulum. 025593
Orchid **genera,** illustrated. XLVIII. Calanthe. 025594
Orchid **genera,** illustrated. XLIX. Masdevallia. 025595
Some native **ground** *orchids* [Orchidaceae]. 025806
Fluorescent **light** *orchid* culture: growing Paphiopedilums ina Flora Cart. 027704
Induction of keikis [lateral shoots] on Ascocendas [a **monopodial** *orchid]* by cytokinin. 027109
To pollinate an *orchid* [**Orchidaceae,** insect pollinators]. 029245
Aerangis calligerum—story of an *orchid* **orphan.** 025589
The angraecoids *[orchids]*—**pearls** from Madagascar. 025598
Some **Venezuelan** *orchids* of the Sierra de Perija. 025597

ORGANELLES
Structure and mode of function of the *organelles* **associated** with nutrition of the macrogametes of Eimeria acervulina [Chickens]. 024791
Calcium distribution in islets of Langerhans: a study of calcium concentrations and of calcium accumulation in B **cell** *organelles* [Rats]. 023501
Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these *organelles* [**Potatoes,** radishes, beans, cauliflower]. 027235
Production and fates of **unique** *organelles* (transosomes) in ovarian follicles of Gallus domesticus [chickens] under various conditions. II. 024057

ORGANIC
Restoration of *organic* **acid** accumulation in sectioned leaves of Bryophyllum tubiflorum Harv. 026792
Studies on the juice qualities of subtropical fruits. I. Seasonal changes of *organic* **acids,** sugars and volatile components in Ponkan and Tankan [Citrus]. 022883
Production of *organic* **acids** by fungi isolated from objects damaged by biocorrosion. 026677
Organic **acids** in soil during degradation of organic residues. 030318
A metatarsal **adhesive** *organ* of drones of the genus Apis (Hymenoptera: Apidae). 029783
"Porapak Q" adsorption of **airborne** *organic* compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and *organic* **composition** of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. 030484
Thermometric (enthalpimetric) determination of *organic* **compounds** with sulfidic sulphur by means of chloramine B. 030411
Concentrated *organic* manures—an answer to fertilizer crisis. 030449
Consumer preferences for vegetables grown under "commercial" and *"organic"* **conditions.** 022928
Running, connecting pipes and **conversion** *organs* in silos. 029935
Immunoglobulin-bearing lymphocytes of the chicken. I. Heavy chain immunoglobulin commitment and *organ* **distribution.** 024515
Effect of application dates for *organic* **fertilizers** on potato yields. 030556
Precocious flowering of citrus seedlings. 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the **flower** *organs.* 027100
Variability of traits of **generative** *organs* in Quercus roburin southeastern Kazakhstan. 026016
Effects of administration with testosterone compound (Durateston) on the **genital** *organs* in hypophysectomized male adultrats. 024137
A survey of pathological conditions in the **genital** *organs* of ewes [Sheep]. 024306
The **initial** *organic* products of fixation of 13N [nitrogen isotope]-labeled nitrogen gas by the blue-green alga Anabaena cylindrica. 026395
Organic and **inorganic** P [phosphorus] content, movement and mineralization of P in soil beneath a feedlot [Cattle, manure, disposal]. 030823
Ultrastructure of the larval firefly **light** *organ* as related to control of light emission [Photuris pennsylvanica]. 029295
Peat and other *organic* **materials** repeatedly used for greenhouse grown vegetables. 027620
Decomposition of *organic* **materials** and soil fauna in pasture. 2. Disappearance of cow dung. 030271
Study of the *organic* **matter** of a few Planosols with a blackBt-horizon from the Colombian Andean belt. 030188
Susceptibility of *organic* **matter** of Chernozemic Ah horizons to biological decomposition. 030198
The *organic* **matter** status of some mineral soils in New Zealand. 030326
An irreplaceable ratio: fertility to *organic* **matter** [Soils]. 030335
Organic **matter** contribution to stability of soil structure. 030368
Effect of *organic* **matter** application and water regimes on the transformation of fertilizer nitrogen in a Philippine soil. 030530
Amino acid composition in beef **muscles** and *organs.* 022708
Ultrastructure of the **perismpathetic** *organs* of the tsetse fly Glossina fuscipes quanzenis (Muscidae). 029279
Role of the **perisympathetic** *organs* in the activation of oviposition in Galleria mellonella (Lepidoptera). 029274
The effect of growth-regulating substances on metabolism of carbohydrates in cotton **plant** *organs.* 026972
The effect of *organic* **polymers** and hydrous iron oxides on the tensile strength of clays. 030371
Distribution and metabolism of thiamine disulfide in **rat** *organs.* 022211
Removal of intact female **reproductive** *organs* from codling moths [Laspeyresia pomonella]. 029334
Organic acids in soil during degradation of *organic* **residues.** 030318
Direct and residual effect of green manures and other *organic* **residues** on soil aggregation and potato yield. 030483
Scientific bases for using inorganic and *organic* **selenium** compounds in medicine [Includes human nutrition]. 022219
Sense *organs* on the antennal flagellum of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, Bittacus chlorostigma]. 029387
Lyriform slit **sense** *organs,* modelling an arthropod mechanoreceptor [Spiders]. 029398
The influence of the air-current **sense** *organs* on the flight behaviour of Locusta migratoria. 029399
Morphology of the male **sex** *organs,* spermatophore formation and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). 029198
Dewatering of *organic* **sludge** by pulverized coal. 030929
Application of thermometric titrations to the study of **soil** *organic* matter. I. Simple polyelectrolytes. 030204
Application of thermometric titrations to the study of **soil** *organic* matter. II. Humic acids. 030205
Gas chromatographic-mass spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some *organic* **solvents.** I. 023041
On the solvation of sulfate lignin in some *organic* **solvents.** 025407
Absolute dormancy of pollen induced by soaking in *organic* **solvents** [Chrysanthemum pacificum, Lilium longiflorum]. 027282
The surface fine structure of the bovine **subcommissural** *organ.* 023366
Coulometric determination of *organic* **substances** in the concentrates of spent liquor from [wood].spirit production. 025302
Changes in respiration rate and some *organic* **substances** contents during fruit development of Cucumis melo L. cv. Shinhoro [Muskmelons]. 027297
TAS method for the detection of parathion-methyl and some transformation products in *organic* **substances.** 029082
Bacterial communidty in the sea and lake waters polluted with *organic* **substances.** 030905
The role of *organic* **sulphur** in the copper-molybdenum-S interrelationship in ruminant nutrition [Sheep]. 023709
Controlling cockroaches [Blattidae] without **synthetic** *organic* insecticides. 028986
Microbial degradation of **synthetic** *organic* pesticides in rice soils. 029102

ORGANISM
Serodiagnosis of nosematosis by immunofluorescence using **cell-culture-grown** *organisms* [Nosema cuniculi]. 024638
Providing the *organism* of **cotton-picking** machine operators with vitamins C and B2 during spring-summer period in Turkmenistan. 022114
Chemical control of fleece wool and sheep **dip** *micro-organisms.* 022694
Action of exogenous DNA on the **eucaryotic** *organism* and its cells [Animals, plants]. 024060
Some aspects of recombination in **eukaryotic** *organisms.* 026087
The trans-stadial transmission of the bovine **farcy** *organism,* Nocardia farcinica, by the ixodid Amblyomma variegatum (Fabricius, 1794). 024743
Bioflocculation and the accumulation of chemicals by **floc-forming** *organisms* [Water pollution treatment]. 030874
Swine dysentery associated with Treponema **hyodysenteriae-like** *organisms* in Colombia. 024741
Studies on **mycoplasma-like** *organisms:* the suspected cause of citrus likubin and leaf-mottling. 028224
Studies on [aster] yellows disease of parsley and celery [Scleroracus flavopicta, **mycoplasma-like** *organisms].* 028274
Heating soils, soil mixes, and soil substitutes with saturated air [Control of **pathogenic** *organisms* in greenhouse and mushroom culture]. 028339
Apple proliferation [virus] disease in Spain: graft transmission and detection of mycoplasma and **rickettsiaplasma-like** *organisms* in infected tissue. 028170
New inhibitors of methane production by **rumen** *micro-organisms.* Development and testing of inhibitors in vitro [Sheep]. 023317
New inhibitors of methane production by **rumen** *micro-organisms.* Experiments with animals and other practical possibilities [Sheep]. 023318
Effect of feeding on the immunobiological reactivity of the **swine** *organism.* 024769
The status of higher basidial fungi in the **systematics** of *organisms.* 025748

ORGANOCHLORIC
Organochloric **pesticides** in milk of Haute-Vienne in spring 1974. 029143

ORGANOCHLORINE
Organochlorine **compounds** in the general population of the seventies and some of their biological effects (in man and animals). 029170
Studies on *organochlorine* **pesticide** residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. 021963
Catalytic dechlorination of *organochlorine* [**pesticide**] compounds. I. DDT. 029086
Organochlorine **pesticide** residues in human milk, Western Australia—1970-71. 029151
Organochlorine **pesticide** residues in small migratory birds, 1964-73 [in Florida]. 029152
Studies on organochlorine pesticide residues in livestock products. I. Estimation of *organochlorine* **pesticides** in milk and meats by thin layer chromatography and gas chromatography. 021963
Ascorbic acid requirements and metabolism in relation to *organochlorine* **pesticides** [Toxicity, animals]. 023241

ORGANOLEPTIC
Influence of varying temperature conditions on the respiration of ethylene synthesis and *organoleptic* **behaviour** of Passe-Crassane pears. 027229
Cowpea powders dried with methionine: preparation, storage stability, *organoleptic* **properties,** nutritional quality. 022929

ORGANOPHOSPHATES
An evaluation of some *organophosphate* **compounds** for the control of cattle tick, Haemaphysalis (Kaiseriana) longicornis (Neumann), in sheep and cattle. 029057
Human pesticide poisonings by a **fat-soluble** *organophosphate* insecticide. 029081
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and *organophosphate* **nematicides.** 028327
The mass diffusion of **three** *organophosphate* insecticides into a range of New Zealand soils. 029160

ORGANOPHOSPHORUS
Comparative study of methods for the extraction of **eleven** *organophosphorus* pesticide residues in rice. 021910
Control of lucerne stem nematode [Ditylenchus dipsaci] withCGA 12223 [**Systemic** *organophosphorus* insecticides]. 028423
Toxicity of *organophosphorus* **systemic** pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
Comparison of toxicity between *organophosphorus* **toxicants** and ethylene dibromide, alone and in combination, to Monochamus alternatus Hope (Coleoptera: Cerambycidae. I. The. 028949

ORGANOTIN
Organotin **compounds.** 029139

ORGYIA
Evaluating damage caused to a campground by Douglas-fir tussock moth *[Orgyia* **pseudotsugata,** Abies concolor]. 028960

ORIBATA
Ecology of moss-living arthropods, by the light of factorial analysis of correspondances: Collembola and *Oribata* of **Sidobre** (Tarn, France). 029462

ORIBATEI
Laboratory and field studies on the life cycle of oribatid mites **(Acari:** *Oribatei).* 029473
Ameronothrus schubarti n. Sp. From the sea coast of California (Arachnida: **Acari:** *Oribatei).* 029689
Revision of the family Oppiidae Grandjean 1953 (Acarina, *Oribatei)* [**New** taxa]. 029528

ORIBATIDAE
Laboratory and field studies on the life cycle of *oribatid* **mites** (Acari: Oribatei). 029473
Notes on *Oribatidae.* 029192

ORIENTATION
Research in fruit culture and economic **aspects** *oriented* towards 1980. 027741
Pattern of crack formation in rice grain as influenced by shape and *orientation* of **cells.** 022792
The *orientation* of **certain** root-nodule bacteria at interfaces, including legume root-hair surfaces. 026648
Orientation of **clay** particles as it relates to crusting of soil. 030342
Orientation and **dispersal** of late-stage larvae of Porthetria dispar (Lepidoptera: Lymantriidae). 029284
Dielectric properties of wood and hardboard: variation with temperature, frequency, moisture content, and **grain** *orientation.* 025531
An introduction to easements *[Land-oriented* **legal** problems, lignite resources]. 021682
Leisure *orientations* studied in Howard area [Recreation]. 021221
A **new** *orientation* in selection [Apis mellifera, breeding]. 029862
It is the number of lambs per ewe and per year that the system of production is *oriented* to. 024149
The role of the principal and accessory eyes in the **photomenotactic** *orientation* of the funnel spider Agelena labyrinthica (Cl.). 029513
Visual and olfactory responses in *orientation* to **plants** by the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 028840
The relationship of plastic deformation in freeze-etching to the *orientation* of a **protein** particle [Tobacco]. 026029
Recent *orientations* in the study of insect pathogens in in vitro cultured cells [Disease vectors, biological control]. 029016
The *orientation* **response** of Ctenicera destructor and other wireworms (Coleoptera: Elateridae) to germinating grain and to carbon dioxide. 029290
Daily rhythm of the **scototactic** *orientation* of the forest cricket Nemobius sylvestris (Bosc): Precise biological importance. 029447
Ecological aspects of [animals, insects] **spatial** *orientation.* 029232
Effect of cation saturation and air-drying of samples on the diffractogram obtained from *parallel-oriented* **specimen** [Clay minerals]. 030307
Technical *orientation* of fruit research in the five coming years. 027742
Orientations and **trends** in modern silviculture concerning the choice and application of treatments in the light of forest functions. 025232
Study of glasshouse **type** and *orientation.* 029886

ORIGANUM
A new species of *origanum* **(Labiatae)** from Libya. 025573

ORNAMENTAL
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as pest of fruit trees and *ornamentals,* **control,** Krasnodar Territory]. 028914
Double-flowered *ornamental* [Malus] crab apples: Cameron, Maybride and Prince Charming [cultivars]. 027723
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of arthropod **pests** on *ornamentals.* 028814
Testing method for the breeding disease resistant varieties of *ornamental* **plants.** 026077
Fertilizing and liming—factors influencing uptake of trace elements by *ornamental* **plants** grown in peat substrate. 027075
Case studies on forcing culture of *ornamental* **plants.** 027658
Introduction of *ornamental* **plants.** 027751
Growing flowering annuals *[Ornamental* **plants,** culture]. 027755
Late summer perennials [Varieties of *ornamental* **plants].** 027809
Influence of actidion on the germination of the uredospores of Uromyces caryophyllinus (Schrank) Wint. *[Ornamental* **plants].** 028033
Mealy-bugs [Pests of *ornamental* **plants].** 028826
Identification of virus in *ornamental* **Prunus** in Belgium. 028275
The use of fertilized and unfertilized peats of different origin for rooting cuttings [of *ornamental* **trees** and shrubs]. 027647
Do *ornamental* **trees** and bushes have an economic value? 027801
Plants to outwit the **weather** *[Ornamentals].* 027729
Insecticide recommendations and spray calendar for shade trees and **woody** *ornamentals.* 028834

ORNITHINE
Metabolism of arginine and *ornithine* in the **cow** and rabbit mammary tissue. 023509
Partial purification and properties of *ornithine* **transcarbamoylase** from Nostoc muscorum Kutzing [Algae]. 026789

ORNITHODOROS
Limb regeneration and apolysis in the tick, *Ornithodoros* **tartakovskyi.** 029413
Photoperiodic induction of diapause in the kangaroo **tick** *Ornithodoros* gurneyi Warburton (Acarina: Argasidae). 029022

ORNITHOGALUM
Giemsa banding and heterochromatin distribution in *Ornithogalum* **[virens].** 026004

ORNITHONYSSUS
Effect of social stress and inherited plasma corticosterone levels in chickens on populations of the northern fowl mite, *Ornithonyssus* **sylviarum.** 029031

OROBANCHACEAE
Diphelypaea *(Orobanchaceae),* nom. Nov. And other cautherizations on a nomenclatural Hydra. 025832

OROBANCHE
Use of Phytomyza in Rostov Region [for *Orobanche* **control].** 028633

ORTHOMORPHA
Effect of food qualities on protein pattern of the haemolymph of a **millipede** *Orthomorpha* gracilis. 029331

ORTHOPHOSPHATES
Determination of *orthophosphate* in **soil** containing excess pyrophosphate. 030202

ORTHOPTERA
The constitutive heterochromatin in Dichroplus silveiraguidoi **(Acrididae,** *Orthoptera).* 029309
Determination of the diet of phytaphagous animals based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Application to food selection by *Orthoptera,* **Acridiida.** 029263
Juvenile hormone titre in the haemolymph of adults of the normal and infected Anacridium **aegyptium** *(Orthoptera)* during and after experimental rupture of diapause. 029270
Hydrolysis of cyclic guanosine 3',5'-monophosphate in tissues of Schistocerca gregaria **(Forsk.)** *(Orthoptera).* 029441
Variation in food preferences of three grasshopper species (Acrididae: *Orthoptera)* as a **function** of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage plants, pests]. 028704
Observations on the rate of egg laying of some **grasshoppers** *(Orthoptera,* Acridiidae). 029502
Rearing and breeding of European **grasshoppers** *(Orthoptera:* Saltatoria) in the laboratory. 029511
The male of the South American katydid genus Phlugiola [redtenbacheri], and a new related genus [Lucienola] from the Solomon **Islands** *(Orthoptera:* Tettigoniidae, Meconematinae). 029661
The imaginal diapause-break in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta **migratoria** *(Orthoptera,* Tetrigidae). 029277
A sex-chromosome hybrid zone in the grasshopper Podisma **pedestris** *(Orthoptera:* Acrididae). 029362
Biological observations on Tropidishia xanthostoma **Scudder** *(Orthoptera:* Gryllacrididae). 029466
Allatectomy and imaginal diapause in females of Tetrix undulata (Sow.) *(Orthoptera,* **Tetrigidae).** 029260

ORYZA
Inheritance of grain yield and its components in two crosses of **rice** *(Oryza* sativa L.). 026237
Phenotypic correlation between panicle exertion and plant height in **rice** *(Oryza* sativa). 026238
Retardation of senescence in **rice** *(Oryza* sativa L.) leaves by benzimidazole and nickel chloride. 028422

OSCILLATION
Stimulation of gas production from cowdung by algal *[Oscillatoria* **chalybea]** supplementation. 029916
Notes on the edaphic algae of the Galapagos **[Chlamydomonas,** *Oscillatoria].* 025821
Carbonic anhydrase levels in blue-green algae [Anabaena flos-aquae, Anacystis nidulans, Coccochloris **peniocystis,** *Oscillatoria].* 026440
Oscillating **screen** motion effect on the particle passage through perforations [Chickpea seed]. 030146
Effect of **underpressure** *oscillation* on work stability of a pneumatic pulsator [Equipment]. 029995

OSCILLOSCOPE
Portable *oscilloscope* technique for detecting dormancy in [forest] nursery stock. 027343

OSCINELLA
Life tables for the frit fly, *Oscinella* **frit,** in reed canarygrass [Phalaris] in Virginia. 028710

OSMIA
Osmiinae from the Canary Islands (Insecta: Hymenoptera: Megachilidae) [New **taxa,** *Osmia.* 029692

OSMOSIS
Serum **coloidal** *osmotic* pressure in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and oedema [Malnutrition]. 022058
Osmotic **interrelationship** between blood and gut fluid in the isopod Porcellio scaber Latr. (Crustacea). 029312
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as *osmotic* **pressure** regulators of moth cell growth. 029370
Use of ultrafiltration and hyperfiltration (RO) **[reverse** *osmosis]* as preconcentration and purification steps in the food industry. 022471
Reversed *osmosis* and its application to the technology of foods of animal origin. I. The receiving of cheese milk proteins and their utilization in the making of Feta cheese. 022577
Osmotic **shock** as a prerequisite to pollen digestion in the alimentary tract of the worker honeybee [Apis mellifera]. 029820

OSSIFICATION
The status of loci of *ossification* and **epiphyseal** plates in the limb bones of neonatal crossbred (Banuur X Nali) sheep. 023433

OSTEODYSTROPHY
A new bovine disease "hyena disease" [of unknown **etiology,** *osteodystrophy].* 024884

OSTEOMYELITIS
Closed-wound irrigation of compound and contaminated fractures as a preventive and treatment for *osteomyelitis* **[Dogs,** cats]. 024927
Suppurative **mandibular** *osteomyelitis* associated with Pasteurella multocida in a rabbit. 024782

OSTEOSARCOMA
Osteosarcoma of the **hard** palate in a dog. 024930

OSTERTAGIA
Significance of serum pepsinogen and abomasal pH [hydrogenion concentration] levels in a field infection of *Ostertagia* **circumcincta** in lambs. 024755

OSTRINIA
Romanian references on the European corn **borer** *Ostrinia* (pyrausta) nubilalis (Hubner) [Bibliographies]. 028716
European corn borer *[Ostrinia* **nubilalis]** and redbanded leafroller [Argyrotaenia velutinana]: disruption of reproduction behavior [Cornfields, oatfield]. 028728
Insect sex pheromones: intraspecific pheromonal variability of *Ostrinia* **nubilalis** in North America and Europe [Maize]. 028734
Leaf-feeding resistance to the European corn borer *[Ostrinia* **nubilalis]** in genotypes of tropical (low-DIMBOA) [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
The European corn borer *[Ostrinia* **nubilalis,** control]. 028792

OUABAIN
Alteration of egg diapause in Bombyx mori by *ouabain* **injected** into diapause egg producers. 029835
Long distance transport of potassium in intact peanut seedlings: effect of **sodium** and *ouabain.* 027121

OULEMA
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of imported parasites of *Oulema* **melanopus** (L.) indicating species, release and recovery sites, and countries of origin. 028712

OUTBREAK
Anaplasmosis: treatment and management options available to the veterinarian and herd owner during an **acute** *outbreak* [Cattle]. 024465
A study of *outbreaks* of **Aujeszky's** disease in cattle. I. Virological and epidemiological findings. 024396
A study of *outbreaks* of **Aujeszky's** disease in cattle. II. Further investigations on the routes of infection. 024397
A study of *outbreaks* of **Aujeszky's** disease in cattle. III. Selected outbreaks of a special interest regarding epidemiology. 024398
Outbreak of **avian** encephalomyelitis in chicks raised in [South] Korea. 024689
An **epizootic** *outbreak* of ringworm in a guinea-pig colony caused by Trichophyton mentagrophytes [Fungi]. 024635
An *outbreak* of **equine** infectious anemia in the Himeji Race Track and its control. 024484
Common canker [Nectria galligena] of apple trees, a very old disease locally in **fresh** *outbreak.* 027906
An *outbreak* of **infectious** bursal disease (IBD) of chickens in Nigeria. 024751
Migration of the armyworm Persectania ewingii moths in spring and the **origin** of *outbreaks.* 028658
An *outbreak* of **Salmonella** typhimurium infection in a farm of dairy-breed male calves. 024483
A study of outbreaks of Aujeszky's disease in cattle. III. **Selected** *outbreaks* of a special interest regarding epidemiology. 024398

Preventing greenbug [Schizaphis graminum] *outbreaks* [on **small** grains and sorghum]. 028769
A **suspected** *outbreak* of aflatoxicosis [Aspergillus flavus] among goats in Sri Lanka [Contaminated feed]. 024948

OVA
The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the dog and its effect on net environmental **contamination** with *ova*. 024792
Studies on the reproduction in the dog. VI. Ovulation rate and transuterine migration of the **fertilized** *ova*. 024144
Studies on **fertilized** *ova* transfer in goat. 024205
Incorporation of labelled amino acid into *ova* during **ovarian** development in the silkworm, Bombyx mori L. 029864
Ova **transfer** in Danish blue white cattle. 023968

OVALBUMIN
Ovalbumin mRNA and *ovalbumin* **DNA** and the molecular biology of steroid hormone action [Chicks]. 023197
Hormonal regulation of *ovalbumin* **synthesis** in the chick oviduct. 023641

OVARIECTOMY
Electrical stimulation of the median eminence in *ovariectomized* and **estradiol-treated** sheep. Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. 023599
Effects of **unilateral** *ovariectomy* on parturition and post-partum ovulation in the rats. 024139

OVARY
Serum LH [luteinizing hormone] concentrations and *ovarian* **activity** in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle stimulating hormone-releasing hormone]. 024095
Resumption of *ovarian* **activity** in postpartum stage in cows. 024143
Macro- and microscopic examinations on the effect of a synthetic gonadotrophin releasing hormone (GnRH) in cattle with **cystic** *ovaries*. 024274
Contribution to the treatment of *ovarian* **cysts** in cattle with chorionogonadotropin suspended in oily progesterone. 024228
Clinical response of diary cows with *ovarian* **cysts** to GnRH [gonadotropin-releasing hormone]. 024857
Hormonal responses of dairy cows with *ovarian* **cysts** to GnRH [gonadotropin-releasing hormone]. 024858
Studies on aminotransferases in the **developing** *ovary* of the silkworm Bombyx mori L. 029790
Studies on aminotransferases in the **developing** *ovary* of the silkworm Bombyx mori L. 029791
Relationship between blood meal volume and *ovarian* **development** in Culex nigripalpus (Diptera: Culicidae). 029008
Testis and *ovary* **development** in Rhychosciara. 029308
Incorporation of labelled amino acid into ova during *ovarian* **development** in the silkworm, Bombyx mori L. 029864
Elimination of *ovarian* **diapause** in pear psylla, Psylla pyricola (Homoptera: Psyllidae), in the laboratory. 028816
Ovarian **dysgerminoma** in a cow. 024817
Increased secretion of progesterone from the *ovary* of the **ewe** during the preovulatory period. 024122
Preovulatory changes in the *ovaries* during the **first** spontaneous pro-oestrus in the rat. 024108
Production and fates of unique organelles (transosomes) in *ovarian* **follicles** of Gallus domesticus [chickens] under various conditions. II. 024057
Influence of a juvenile hormone analogue on the *ovarian* **function** in allatectomised females of Labidura riparia (Insecta, Dermaptera). 029269
Occurrence of *extra-ovarian* **ovules** in sunflower plants (Helianthus annuus L.) treated with chlorflurenol. 026006
Investigations on improving the fertility of aged sows. I. Macroscopic studies of cyclical changes in the *ovary*, **particularly** follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025
Independent replication of the ribosomal RNA genes in the **polytrophic-meroistic** *ovaries* of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. 029299
Factors promoting vitellogenic competence and yolk deposition in the cockroach [Periplaneta americana] *ovary:* the **postecdysis** female. 029411
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of egg laying and *ovarian* **production** of Philophylla heraclei L. (Diptera, Tephritidae). 028824
Steroid production by the isolated **rabbit** *ovarian* follicle. 024127
Functional and structural relationships in the graafian follicle population of the **sheep** *ovary*. 024120
The **sheep** *ovary:* regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and adjacent tissue before ovulation. 024132
A convenient biological synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with **sow** *ovarian* 19-hydroxylase. 023505
Interactions between *ovarian* **steroids** or progestagens and LH [luteinizing hormone] release [Domestic animals]. 023988
Observed associations between corpora lutea and follicular development in **swine** *ovaries* during the estrous cycle. 024093

OVEN
Measuring electric field distribution in a **microwave** *oven* [Food processing]. 022433
Microwave *oven* method for rapid determination of moisture in meat. 022672
Behind every kitchen success stands the **right** *oven*. 022325

OVERDOSAGE *see* DOSAGE

OVERWINTER *see* WINTER

OVICIDE
The efficiency of some organophosphorousinsecticides as *ovicidal* **substances** for the "maculipennis" group [Anopheles]. 028996

OVIDUCT
Some physiological characteristics of motility in the in vivo **avian** *oviduct* [Chickens]. 024039
Hormonal regulation of ovalbumin synthesis in the **chick** *oviduct*. 023641
The influence of prostaglandins on the in vitro motility of the *oviduct* of the **laying** hen. 024256
Alterations of DNA-dependent DNA polymerase activities in the immature **quail** *oviduct* in response to estrogen stimulation. 023600
Nature of the stimulus of the copulation-induced rise in lactic dehydrogenase activity in the **rabbit** *oviduct*. 024123
Reduced sperm motility in the isthmus of the **rabbit** *oviduct*. 024158

OVINE
Isolation of a virus from sheep and its classification as a serotype of *ovine* **adenoviruses**. 024798
Comparison of intra-uterine metabolism of prostaglandin F2alpha in *ovine* and **human** pregnancy. 023514
Response of *ovine* **pancreatic** amylase to elevated blood glucose [Sheep]. 023457
Gas metabolism in *ovine* **rumen** cultures on a nitrogen-deficient medium. 023357
Immunosuppression in *ovine* **typanosomiasis** [Sheep]. 024753

OVIPOSITION
Boll weevil [Anthonomus grandis] *oviposition* **behavior:** multiple punctured squares [Cotton lines]. 028726
Observations on mating and *oviposition* **behaviour** of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae). 028926
Effects of photoperiod and size on flight activity and *oviposition* in the **eastern** spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae). 029281
Effect of ground cover and pasture height on *oviposition* and **establishment** of soldier fly larvae [Inopus rubriceps]. 028778
Role of the perisympathetic organs in the activation of *oviposition* in **Galleria** mellonella (Lepidoptera). 029274
Effect of strain and age on the relationship of *oviposition* **time** to shell strength [Chickens]. 023339
Study of a sex linked dwarfing gene in the fowl: *oviposition* **time** and characteristics of the successive eggs in laying sequences. 024021
Observations of an **unusual** *oviposition* habit in Armigeres (Leicesteria) annulitarsis (Leicester). 029053

OVIS
Caprine pneumonia caused by **Corynebacterium** *ovis* [Goats]. 024547
Comparative toxic effect of the surface lipid of **Corynebacterium** *ovis* [in sheep] on peritoneal macrophages. 024570
The location of Taenia pisiformis, **Taenia** *ovis* and Taenia hydatigena in the gut of the dog and its effect on net environmental contamination with ova. 024792
Growth of *ovis* **variety** Chlamydia psittaci in cellular cultures and practical applications [Sheep]. 024703

OVULATION
Prostaglandins and *superovulation* in the **bovine**. 023996
The use of prostaglandin F2alpha given by either intrauterine infusion or by intramuscular injection for the control ofoestrus and *ovulation* in **cattle**. 024011
Ovulation **control** in cattle with progesterone intravaginal device (PRID) and gonadotropin releasing hormone (GnRH). 023994
Luteinizing hormone, progesterone and the morphological development of normal and *superovulated* **corpora** lutea in sheep. 024056
Ovulation and **endocrine** response after LH-RH [luteinizing hormone-releasing hormone] in domestic animals [Cattle]. 023993
Determination of the moment of *ovulation* in **ewe** and sow. Influence of environment and hormonal treatment. 023982
Control of *ovulation,* **fertility** and endocrine response after prostaglandin F2alpha in cattle. 023980
Induction of estrus, *ovulation* and **fertility** in prepuberal gilts. 023986
Gonadotrophin and steroid levels around the time of **first** *ovulation* in the rat. 024106
The time of *ovulation* in **heifers** after progestin (SC 9880; SC 21009) treatment. 024004
Fine structural demonstration of acid phosphatase in rabbit germinal epithelium prior to **induced** *ovulation*. 024055
Synchronization of oestrus and *ovulation* in the **mare** with a two PG-HCG [prostaglandin-human chorionic gonadotropin] sequences treatment. 024001
Preovulatory and *ovulatory* **mechanisms** in oocyte maturation [Rabbits]. 024125
Embryonic mortality during the pre- and post-implantation periods of pregnancy in mature **mice** after *superovulation*. 024119
Effects of unilateral ovariectomy on parturition and **post-partum** *ovulation* in the rats. 024139
Induction of *ovulation* and **pregnancy** in captive cottontail rabbits by exogenous gonadotrophin treatment and artificial insemination. 024225
Estrus and *ovulation* with **prostaglandin** F2alpha, norgestamet and gonadotrophin releasing hormone [Cattle]. 024197
Investigations on improving the fertility of aged sows. I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and *ovulation* **rate**. 024025
The interaction of nutrition and body condition at mating on *ovulation* **rate** and early embryo mortality in Scottish Blackface ewes. 024087
Studies on the reproduction in the dog. VI. *Ovulation* **rate** and transuterine migration of the fertilized ova. 024144
The *ovulation* **rate** of Finnish Landrace X Rambouillet ewes. 024198
The sheep ovary: regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and adjacent **tissue** before *ovulation*. 024132

OVULE
Occurrence of **extra-ovarian** *ovules* in sunflower plants (Helianthus annuus L.) treated with chlorflurenol. 026006
Euphorbia **geniculata**—*ovule* to seed. 025930

OWNERSHIP
Book *ownership* and reading interest of Braunschweig farmersin the 18th century. 021153
What is the opinion of private **forest** *owners* concerning the sale of timber? 025163
The **forest-land** *owners* of New Jersey. 025169
The **forest-land** *owners* of Delaware [Statistics]. 025170
Anaplasmosis: treatment and management options available to the veterinarian and **herd** *owner* during an acute outbreak [Cattle]. 024465
An economic approach to the land utilization and value in relation to the **land** *ownership*. I. On the expensive land value in Kagoshima City which is below the **average** gain level. 021164
Federal income tax reporting for **timber** *owners*. 025082

OXALATE
On the formation of the pattern of crystal idioblasts in Canavalia ensiformis DC. VII. Calcium and *oxalate* **content** of the leaves in dependence of calcium nutrition. 027063

OXALYL
Chemical synthesis of *nbeta-oxalyl-L-alpha,beta-diaminopropionic* **acid** and optical specificity and its neurotoxic action[Lathyrus sativus]. 026402

OXEN
Prenatal development of the autonomic innervation to the pelvic viscera in *ox* **(Bos taurus)**. 023444
Unusual anatomical disposition with supernumerary rib and anomalous vertebra in *ox* **(Bos** indicus). 023446
Comparative macro-anatomic and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the *ox* **(Bos** taurus) [Eyelids]. 023525
On the mechanism of ketogenesis and its control: purification, kinetic mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from *Ox* **liver.** 023395
Localization of the effective thermosensitive site in the preoptic **region** of the *ox*. 023465
Variations on a few sanguineous biochemical parameters after death in horses and *oxen*. I. **Sodium,** potassium, chlorides, urea and hematocrit. 024355

OXIDANTS
Role of *antioxidant* **activity** of lipids in cell metabolism. 022218
Free radical formation in the *antioxidant* **ethoxyquin** [used in food processing]. 022510
Gas chromatographic determination of [the *antioxidant]* **ethoxyquin** in feed and food products. II. 023042
Gas chromatographic-mass spectrometric studies of ethoxyquin [an *antioxidant* used in **feeds**] in some organic solvents. I. 023041
Antioxidant **function** of tocopherol and possibility of replacing it by synthetic inhibitors [Chemistry]. 022214
Effects of selenium, chromium and *antioxidants* on **growth,** eye cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Antioxidants and **pigments** of Aspergillus niger. 026662

Potential content of the *antioxidant* in the **resin** oils produced by the Ashinskii [wood processing] establishment. 025319

OXIDASES

The isozymic similarity of indoleacetic **acid** *oxidase* to peroxidase in birch and horseradish. 027338
The stereospecificity of **alcohol** *oxidases* from Tanacetum vulgare [leaves] and [the yeast] Canadia boidnii. 026397
Microbody of methanol-grown yeasts [Saccharomyces cerevisiae]. Localization of catalase and flavin-dependent **alcohol** *oxidase* in the isolated microbody. 026554
Intracellular localization and some properties of two **aldehyde** *oxidase* isoenzymes (EC 1.2.3.1) in potato tubers (Solanum tuberosum). 027128
Ascorbate *oxidase* and related copper proteins. 022017
Arrangement of the subunits in solubilized and membrane-bound cytochrome c *oxidase* from **bovine** heart. 023477
Loss of **cytochrome** *oxidase* in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial protein synthesis by erythromycin and chloramphenicol. 026647
Cytochemical demonstration of malate synthase and **Glycolate** *oxidase* in microbodies of cucumber cotyledons. 027265
The relative importance of **monoamine** *oxidase* and catechol-O-methyl transferase on the physiologic response to administered norepinephrine in the turkey. 023382
Isolation and purification of **phenol** *oxidase* from the leaves of the cotton plant. 026937
The effect of Carbowax 4000 on the activity of peroxidase and **polyphenol** *oxidase* enzyme extracts from citrus leaves [Lemon disease]. 028320
Polyphenol *oxidase* activity and browning of three avocado varieties [resulting from mechanical injury]. 028385
Antigenic independence of some microbial **urate** *oxidases* [Fungi, bacteria, yeasts]. 026611

OXIDATION

Abnormal *oxidation* of seychellene [a perfumery constituent of patchouli and jatamansi oils]. 022549
Radio gas chromatographic analysis of volatile aldehydes originating from soybean and oat lipoxygenase linoleic **acid** *oxidation*. 022850
Some aspects of fatty **acid** *oxidation* in isolated fat-cell mitochondria from rat. 023287
Vitamin E and processes of **biological** *oxidation*. 022222
Carotene *oxidizing* factors in redpepper fruits (Capsicum annuum L.). Ascorbic acid. 022926
Studies on the *oxidative* **catalytic** activity of vitamin B12. VIII. Inhibition of papain by vitamin B12 in the presence of thiol compounds. 022212
Studies on the *oxidative* **catalytic** activity of vitamin B12. IX. Inhibition of yeast alcohol dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213
Survival of enteroviruses on vegetables irrigated with **chlorinated** *oxidation* pond effluents [Wastewater treatment]. 021904
A kinetic study of the **competitive** *oxidation* of oleic acid-linoleic acid mixtures [Food]. 022506
Influence of reducing and *oxidating* **compounds** on iron accumulation and chlorophyll content in oat leaves. 026876
Xanthene **dye-sensitized** *photooxidation* in the black imported fire ant, Solenopsis richteri. 028646
Oxymercuration-demercuration and *hydroboration-oxidation* of **endo-tricyclo[5.2.2.02,6]undeca-3,8-diene.** Stereospecific oxymercuration leading to the 4-exo-hydroxy derivative [Plant-hormonal properties]. 026652
Effects of H2O2 [hydrogen peroxide] and *oxidation-reduction* **enzymatic** systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. 022625
Erythrocyte *oxidized* glutathione in Australian Merino sheep. 023238
The metabolism of lipids in mouse pancreatic islets. The *oxidation* of **fatty** acids and ketone bodies. 023292
Delignification of wood using pressurized oxygen. II. Kinetics of **lignin** *oxidation*. 025469
Reaction of *oxidized* **lipids** with protein. 10. Effect of protein on the autoxidation of phospholipids [Food chemistry]. 022523
Study of the mechanism of **low-temperature** *oxidation* of wood charcoal in air. 025333
Chicken neutrophils: *oxidative* **metabolism** in phagocytic cells devoid of myeloperoxidase. 023620
Oxidation of **NADPH** by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Pyridine **nucleotide-linked** *oxidation* of methanol in methanol-assimilating yeasts [Pichia pinus, Candida boidianii]. 026625
Development and intracellular distribution of enzymes of the *oxidative* **pentose** phosphate cycle in radish cotyledons. 027266
Studies on the solubilization of keratin. VI. The solubilization of [chicken] feather keratin by *oxidation* with **performic** acid. 022731
Effect of linoleic acid on *oxidative* **phosphorylation** in mitochondria in rats. 023677
The effect of accompanying admixtures on the *oxidation* **rate** of n-cymene from wood chemical processing. 025341
Purification of odorous effluent gases by *oxidation* using **sodium** chlorite [Food processing industry]. 030895
Four-step mechanism of **water** *oxidation* in photosynthesis [Algae, Chlorella pyrenoidosa]. 026539

OXIDE

Virus inactivation by **ethylene** *oxide* containing gases [Cats]. 024402
Selenium retention as affected by **iron** *oxide* in the premix [Swine rations]. 023900
The effect of organic polymers and hydrous **iron** *oxides* on the tensile strength of clays. 030371
Synthesis of 4-pyridoxyacetic acid via a **pyridine** *N-oxide* derivative [Plant regulators]. 026520
A rapid spectrophotometric method of determination of **thiopropanal** *S-oxide* (lachrymator) in onion (Allium cepa L.) and its significance in flavour studies. 022946
Investigations of the impregnating behaviour of **tributyl-tin** *oxide* in different wood preservative formulations with the help of an active substance labelled with carbon isotope. 025374
Effects of in-vitro treatment of boar spermatozoa with TEPA **[tris(1-aziridinyl)phosphine** *oxide]* on the fertilization and development of pig eggs. 024118

OXIME

Uniform method for manufacturing **sugar** *oxime* silyl derivatives for gas chromatographic analysis. 022748

OXINDOLE

Promotion of softening and ethylene synthesis in Bartlett pears by **3-methylene** *oxindole*. 022960

OXYGEN

Determination of *oxygen* during **aging** of cognac spirits in tanks. 022989
Controlling sulfides in sanitary sewers using **air** and *oxygen*. 030872
Laboratory comparative study of the performances of different *oxygen* **analyzers** dissolved in beer. 022383
Oxygen-bicarbonate **bleaching** of kraft pulp. 025489
Physiological evidence consistent with the presence of a specific O2 *[oxygen]* **carrier** in the placenta [Sheep]. 024097
An automatic, **closed-circuit** *oxygen* consumption apparatus for small animals. 023459
Simple designs of gas sampling in field soils and measuring contents of carbon **dioxide** and *oxygen*. 030227
Reduction of *oxygen* by the **electron** transport chain of [spinach] chloroplasts during assimilation of carbon dioxide. 027140
Relaionship between the change in the chloroplastic nitrogen fractions and the rate of *oxygen* **evolution** in rice plants. 027049
Mirex and marine unicellular algae: accumulation, population growth and *oxygen* **evolution.** 028337
Effect of altered pO2 *[oxygen* 1 **percentage]** in the aerial part of soybean on symbiotic N2 [nitrogen] fixation. 027019
Effect of *oxygen* on **photosynthesis** by spinach leaf protoplasts. 027269
Manganese and **photosynthetic** *oxygen* evolution by algae [Anabaena cylindrica, Chlorella vulgaris]. 026690
Delignification of wood using **pressurized** *oxygen*. II. Kinetics of lignin oxidation. 025469
Effect of heated water of thermal electric power plants on the *oxygen* **regime** of a stream. 030760
Oxygen **supply** and uptake in the liver and the intestine [Cats]. 023610
Effect of initial kLa **[volumetric** *oxygen-transfer* coefficient] on the growth of tobacco cells in batch culture. 026978

OXYGENASE

2,3-dihydroxybenzoate *2,3-oxygenase* from the chloroplast fraction of Tecoma stans. 026777

OXYTETRACYCLINE

The influence of *oxytetracycline* on the **appearance** of apple proliferation symptoms [Virus diseases]. 028203
Synergistic action of tylosin and *oxytetracycline* against **bovine** Pasteurella isolates [Cattle]. 024783
Stability of *oxytetracycline* in **diets** fed to honeybee [Apismellifera] colonies for disease control [American foulbrood, European foulbrood]. 029841
Effect of five daily intravenous treatments with *oxytetracycline* **hydrochloride** on the carrier status of bovine anaplasmosis [Anaplasma marginale, cattle]. 024584
Levels of *oxytetracycline* in the **rumen** juice of cattle after its parenteral administration. 023669
Raising the *oxytetracycline* **speculum** in the bronchial mucous membrane of swine by simultaneous administration of Bromhexin (Bisolvon). 024364

OXYTOCIN

The effect of prostaglandin F2alpha and *oxytocin* on **porcinemyometrium** in vitro. 024275

OXYTROPIS

Robinin from *Oxytropis* **varlacovii.** 026495

OYSTERS

Effect of processing, distribution and storage on Vibro parahaemolyticus and bacterial counts of *oysters* **(Crassostrea** virginica). 021923
Serological and hemolytic characteristics of Vibrio parahaemolyticus from marine **sources** *[Oysters].* 021930
Relationship of Vibrio parahaemolyticus in *oysters,* **water** and sediment, and bacteriological and environmental indices. 021929

OZONE

Report on breeding irradiated begonia varieties resistant to *ozone* **injury.** 026076
Ozone-induced **loss** of intracellular potassium ion from Chlorella sorokiniana [Algae]. 026788

PACHYCREPOIDEUS

Biology, population dynamics, and host finding efficiency of *Pachycrepoideus* **vindemiae** in a box stall and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010

PACHYDIPLOSIS

Inheritance of gall **midge** *(Pachydiplosis* oryzae Wood Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. 028719

PACKAGING

Studies on the drying and *packaging* of **chilli** and garlic. 022535
Economical sales system for **dairy** *packaging*. 021601
Physiological aspects of **fluid** *packaging* in cartons [Dairy products, hygiene]. 021942
Manufacture of thicker and more solid welded seams in **fluid** *packaging* [Packaging material for dairy products]. 022603
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, food-stimulating solvents, and other samples **[Food** *packaging* material]. 021913
How much money do you throw away with **food** *packaging?* 022344
Trends in the **food** *packaging* industry. 022374
Effect of thawing and *packaging* **material** on discoloration of frozen skipjack meat [Seafood]. 022405
Manufacture of thicker and more solid welded seams in fluid packaging *[Packaging* **material** for dairy products]. 022603
Monomers in *packaging* **materials** [Consumer protection]. 021941
A survey of the microbiological properties of *packaging* **materials** for food. 022370
Reciprocal effects between *packaging* **materials** and filling products from the view of the dairy industry. 022561
Plastic *packaging* for seed rice. 022796
Sack filling: methods and equipment **[Products,** *packaging].* 022435
Quality characteristics of convenience chicken products as related to *packaging* and **storage.** 022727

PACKING

Displacement washing of *packed* **beds** of cellulose fibres. 1. Mathematical model. 025484
Growth of bacteria [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from *vacuum-packed* **beef** at low temperatures. 021938
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of *packed* **cell** volume, temperature and storage of blood [Veterinary hematology]. 024333
Effect of orange juice parameters on gelation in *hot-pack* **concentrate.** 022940
The production and fermentation of tobacco in **large-sized** *packs*. 022836
Packing **peaches** will never be the same in southeast Missouri [Marketing cooperatives]. 021603
District costs and efficiency of **pear** *packing* in relation to facilities organization Lake County, California. 022914
New method of [press] *packing* **sunflower** husks [for transport to hydrolitic processing establishments]. 022764
Date development, handling, and *packing* in the **United** States. 022871

PADDOCK

Comparison of pen and *paddock* **systems** for the pedigree mating of sheep. 024178

PADDY

Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in *paddy* **field** regarding the yellow orange leaf virus disease transmission. 028789
Studies on off-the-road locomotion. Estimation of vertical stresses in the layer of *paddy* **field** soil. 030174
Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different *paddy* **fields.** II. Relationships between transplanting time and absorption of nitrogen by rice plants. 027054
Cultural techniques for extensive production of wheat in *paddy* **fields.** 027351
Milling of *paddy* in **relation** to yield and quality of rice of different Indian varieties. 022774
Distribution of iron in *paddy* **soils** of eastern Uttar Pradesh. 030237
Potassium in *paddy* **soils** of eastern Uttar Prədesh. 030245
Utilization and maintenance of the natural fertility of *paddy* **soils** [Plant residues, green manures]. 030446
Studies on root distribution pattern of some high **yielding** *paddy* varieties. 027426

PADS
The effect of dietary fatty acids on fatty acid distribution of lipids in neck **adipose** *pads* and superficial pectoral muscle of chicks. 023783
Comparative measurements of fan and *pad* **cooling** and plant wetting [Greenhouses]. 029871

PAIN
Holiday cooking doesn't have to be a *pain* & a **panic.** 022355

PAINTING
The durability of *painted* **plywood:** the correlation between the outdoor exposure and the accelerating test. 025418

PAINTS
Problem: how to generate student enthusiasm; solution: spiders, gondolas & **spray** *paint.* 022240

PAIRING
Studies on the intraindividual and interindividual variation of **chromosome** *pairing* in diploid and tetraploid rye populations. I. Intraindividual variation. 026095
Meiotic **chromosome** *pairing* in triploid hybrids of Gossypiumhirsutum L. [Cotton] with wild Australian species. 026103
Investigations on valence crosses in rye (Secale cereale L.). IV. **Meiotic** *pairing* and seed setting in tetraploid hybrids. 026094
Meiotic *pairing* between single chromosomes of diploid Agropyron elongatum and decaploid Agropyron elongatum in Triticum aestivum [Wheat]. 026124
Winning *pair:* fresh, canned Bartletts. 022315

PALAEARCTIC *see* ARCTIC

PALATABILITY *see* TASTE

PALATE
Osteosarcoma of the **hard** *palate* in a dog. 024930

PALEARCTIC
Onthophgus massai, a **new** *Palearctic* species (Coleoptera, Scarabaeoidea). 029549

PALEOBOTANY
Albugo-like oogonia from the American **carboniferous** *[Paleobotany].* 025816
Prehistoric puff-balls **[Fungi,** *paleobotany].* 025648
The Blufflands: Pleistocene pathway into the Tunica **Hills** *[Paleobotany].* 025587
Fossil dinoflagellates: index to genera and species. **Supplement** 1. *[Paleobotany].* 025660
Palynologic investigation of Quaternary sediment from Lake **Vanda** *[Paleobotany].* 025606

PALEOENTOMOLOGY
Notes on the origin of **insects** *[Paleoentomology].* 029488

PALEOZOIC
Geochemical investigations on the composition and depositional environment of *paleozoic* **marine** pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200

PALICOUREA
Calycanthine from *Palicourea* **alpina.** 026727

PALLA
Revisional notes on African Charaxes, *Palla* and **Euxanthe** (Lepidoptera: Nymphalidae). X. [New taxa]. 029546

PALLETS
Feasibility study on freezing and handling fresh hams in corrugated **fiberboard** *pallet* bins. 022645

PALM
Environmental impact of Lethal Yellowing disease of **coconut** *palms.* 028359
Date *palm*—a prospective fruit for India [Culture]. 027734
Palm **kernel** meal as the major protein concentrate in the diets of pigs in the tropics. 023778
Extracting plants: *palm* **oil** and kernel recovery [Industry and agriculture, Guatemala]. 021217
Analysis of mesocarp and kernel oils from the American **oil** *palm* and F1 hybrids with the West African oil palm. 022789
Gliocladium disease of *palm* **[Palmae** canariensis]. 027915
Malayan Dwarf [Diseases of unknown origin] *palm,* **resistant** to lethal yellowing, is recommended for planting in Florida. 028441
Explanations and hints for those interested in the culture of *palm* **trees.** 027822

PALMAE
Gliocladium disease of palm *[Palmae* **canariensis].** 027915

PALPOMYIA
A revision of the **genus** *Palpomyia* Meigen of northeastern North America (Diptera: Ceratopogonidae). 029639

PALYNOLOGY
Dendrochronology, radiocarbon, *palynology* at **Colosseum.** 025705
Palynology of some Upper **Cretaceous** coals of Black Mesa, Arizona. 025798
Palynological **determination** of dust storms provenances in Israel. 025797
Preliminary investigation of the *palynology* of the upper **Eocene** Wirillup Formation, Western Australia. 025718
Bibliographic **references** *[Palynology].* 025794

PAMOATE
Evaluation of **pyrantel** *pamoate* [anthelmintic] against strongyles in horses. 024705

PANAX
Location of energy discharge in mitotic cycle of *Panax* **ginsing** C. A. Mey. 026540

PANCREAS
Canine *pancreatic* adenocarcinoma [Dogs]. 024925
The role of extracellular Ca2+ [calcium ions] and cyclic nucleotides in the mechanism of enzyme secretion from the **cat** *pancreas.* 023613
Transfer of proteins across membranes. II. Reconstitution of functional rough microsomes from heterologous components **[Dog** *pancreas].* 023500
The release of *pancreatic* **glucagon** and inhibition of insulin in response to stimulation of the sympathetic innervation [Dogs, cats, sheep]. 023556
Endogenous inhibitor of carboxypeptidase A from **goat** *pancreas.* 023436
Endogenous inhibitor of carboxypeptidase A from **goat** *pancreas.* 023437
The metabolism of lipids in **mouse** *pancreatic* islets. The oxidation of fatty acids and ketone bodies. 023292
The metabolism of lipids in **mouse** *pancreatic* islets. The biosynthesis of triacylglycerols and phospholipids. 023293
Response of **ovine** *pancreatic* amylase to elevated blood glucose [Sheep]. 023457
Homology in amino-terminal sequence of precursors to *pancreatic* **secretory** proteins [Dogs]. 023622

PANDORINA
Pandorina **morum** (mulberry green alga) in the process of division. 026683

PANELS
Glued plywood **roof** *panels.* 025383

PANGOLAGRASS
A population study of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: Cercopidae) in **Mexican** *Pangola* pastures. 028797

PANICLE
Phenotypic correlation between *panicle* **exertion** and plant height in rice (Oryza sativa). 026238

PANICUM
Influence of water stress on water relations and growth of a tropical (C4 [carbon]) grass, *Panicum* **maximum** var. trichoglume. 026902

PANONYCHUS
Sampling dormant apple twigs to estimate the density of eggs of the European red mite *[Panonychus* **ulmi].** 028852
Computer simulation used to control [apples] orchard mites *[Panonychus* **ulmi,** Stethorus punctum, biological control]. 028890

PANORPA
Sense organs on the antennal flagellum of two species of scorpionflies (Mecoptera) *[Panorpa* **dissimilis,** Bittacus chlorostigma]. 029387

PANTOTHENIC
Sex differences in susceptibility to experimental induction of *pantothenic* **acid** deficiency in rats. 022106

PAPAIN
Studies on the oxidative catalytic activity of vitamin B12. VIII. Inhibition of *papain* by **vitamin** B12 in the presence of thiol compounds. 022212

PAPAVER
Papaver in **North** America north of Mexico. 025812

PAPAYAS
Vegetative propagation of *papaya* by **budding.** 027652

PAPER
Graft copolymers of dextrin and polyacrylamide as filler retention aids [Production of filled **bond** *paper].* 025486
Analysis of artificial colouring matters in sausage and ham by *paper* **chromatography** and spectrophotometry. 022707
Study of the composition of monosaccharides in sulphite media by the method of *paper* **chromatography** [Wood hydrolisis]. 025332
Beef [cattle] feedlotting—a **discussion** *paper* [Financial management]. 021314
Apprentice training for maintenance employees in the pulp and *paper* **industry.** 025503
Pulp and *paper* in **Iran**—today and tomorrow. 025491
The influence of wood and fiber properties on **kraft** *converting-paper* quality [Tsuga heterophylla]. 025512
Sheet forming on *paper* **machines.** II. Fiber retention and sheet formation. 025268
Wet pressing *[Paper* **manufacture].** 025269
The improvement of the quality of tall fatty acids and colophony in operating installations [Wood pulp and *paper* **mills].** 025344
White water—savealls *[Paper* **mills,** effluent control]. 030810
Position *paper* on recommended salaries and employment practices for members of the American Dietetic Association. 022270
Coating equipment and **processes** *[Paper].* 025266
A new process for simultaneous blade coating on two sides **[Production** of *paper].* 025502
The influence of adsorbed surface active substances on the **properties** of *paper.* 025494
Norms for economic acceptance of new enterprises in the *paper* and **pulp** industry. 025398
Pneumatic transport of bark [Wood processing, **pulp** and *paper].* 025452
A sensitive method of glycogen determination in the presence of interfering substances utilizing the *filter-paper* **technique** [Aspergillus niger, fungi]. 026363
A critique of J. W. **Willett's** *paper* "The ability of the developing countries to meet their own agricultural needs in the 1980's". 021699

PAPILLOMA
Evidence of a **[peach** *wart]* virus disease causing deformed stones on the peach seedling GF 305. 028178
Nucleoproteids from sprouts of potato varieties resistant and susceptible to the fungus Synchytrium endobioticum (Schilb.) **Perc.** *[Wart].* 028016
Pathogenic races of **potato** *wart* [Synchytrium endobioticum (Schilb.) Perc.] and their virulence. 028019
Possibilities of protecting potatoes against *warts* **[Synchytrium** endobioticum]. 028101

PARAFFIN
Fermentative production of fumaric acid from **liquid** *N-paraffin* by Candida rugosa [Yeasts]. II. Studies on the fermentation conditions. 026326
Thermal death of fungal conidia [Aspergillus niger] in **liquid** *paraffin.* 026643

PARAGONIMUS
Mixed infection with *Paragonimus* **miyazakii** and other species in an experimental host [Dogs, cats, rats]. 024623

PARAINFLUENZA *see* INFLUENZA

PARALYSIS
Isolation of Actinobacillus lignieresi from an epidural abscess in a horse with **progressive** *paralysis.* 024585
Serum calcium and magnesium levels during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of **puerperal** *paresis* in older half-sisters. 024253
The economic aspect of **spastic** *paresis* of the hind legs of Friesian cattle. 024917

PARAMAGNETIC *see* MAGNETISM

PARAMETRY
Using parametric models of runoff to **improve** *parameter* estimates for stochastic models [Water resource planning]. 030796

PARAQUAT
Paraquat **adsorption** on clay minerals. 028543
Determination of *paraquat* **[herbicide]** residues in food crops by gas chromatography. 028500
Surfactants and the uptake and movement of *paraquat* in **plants.** 028533

PARASITES
Induction of melanotic tumors in larvae of Drosophila **affinis** *parasitized* by the wasp, Pseudeucoila bochei. 029425
Field survival of diapausing Bathyplectes curculionis, a *parasite* of the **alfalfa** weevil [Hypera postica]. 028731
Comparative investigation of life cycles of ticks Hyalomma asiaticum asiaticum and Hyalomma anatolicum excavatum *[Parasites,* **animals].** 029390
Myobia kobayashii spec. Nov. (Acarina, Myobiidae) *parasitic* on **Apodemus** giliacus (Mammalia, Muridae) [Mice]. 028994
Cuticular encystment: a unique and effective defense reaction by cabbage looper larvae against *parasitism* by **Banchus** flavescens (Hymenoptera: Ichneumonidae). 028815
Releases and recoveries of cereal leaf **beetle** *parasites,* 1973. A summary of releases and recoveries of imported parasites of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712

Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a *parasite* of the **birch** leaf-miner, Fenusa pusilla (Hymenoptera: Tenthredinidae). 028926
Laboratory crossings with different sources of the larch **casebearer** *parasite* Chrysocharis laricinellae (Hymenoptera: Eulophidae). 029283
Cattle *parasite* control. 024746
Biology of Dinarmus acutus, a **chalcidoid** *parasite* of the vetch bruchid [Biological control]. 028707
Evaluation of mebendazole in paste formulation in the horse *[Parasite* **control]**. 024778
Black spot: a *nonparasitic* **disease** of bell pepper fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. 028417
Parasites of **domestic** and laboratory animals in the Netherlands. 2. [Parasitic worms, insect pests]. 024733
The role of the perrennial stinging nettle, Urtica dioica, as a reservoir of beneficial natural enemies [Predators, *parasites* and **entomophagous** fungi on Microlophium carnosum]. 028636
A guide to the control of **external** *parasites* of poultry [Lice, mites, ticks, fleas]. 029072
Survival of resistant external stages of [livestock] *parasites* during **fermentation** of liquid cattle manure at raised temperatures. 024808
A **filarial** *parasite* in greyhounds in Southern Ireland [Dogs]. 024750
Fungal *self-parasitism* in Saprolegnia megasperma. 026445
Fungal *self-parasitism* in Saprolegnia megasperma. 027917
Parasitic **fungi** of some plant associations of southwestern Turkmenistan flat lands. 027990
Parasitic **fungi** on [forage] legumes during the winter period in the foothill zone of Kabardino-Balkaria. 028018
Occurrence of *plant-parasitic* **gall** and cystic nematodes of Cactaceae. 028376
Control of *parasitic* **gastroenteritis** in goats [Coccidiosis, gastrointestinal nematodosis]. 024582
Observation and investigation of *parasitic* **gastroenteritis** (PGE) in cattle in the northeast [Thailand]. 024676
Biological notes and new synonymy in Forcipomyia (Diptera: Ceratopogonidae) *[parasitized* by the **hymenopteran** genus Forcipestricis]. 029355
Releases and recoveries of cereal leaf beetle parasites, 1973. A summary of releases and recoveries of **imported** *parasites* of Oulema melanopus (L.) indicating species, release and recovery sites, and countries of origin. 028712
Tachinidae as *parasites* of **insect** pests [of plants; natural control]. 028695
Cordyceps spp., as a *parasite* of **insects** [Coleoptera, Cordyceps entomorrhiza, biological control]. 028650
Spectrum of regulatory activities of *parasitic* **insects** [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. [Poplar pests, natural control]. 028958
Mechanism of the hypersensitive cell-death in *host-parasite* **interaction** [Potatoes, Phytophthora infestans]. 027972
Physiological and biochemical aspects of specificity in *plant-parasite* **interaction** [Fungus and bacterial diseases]. 027977
Micro-autoradiographic studies on *host-parasite* **interactions.** I. The infection of Phaseolus vulgaris [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. 027908
Ultrastructural study of the *host-parasite* **interactions.** I. The Heterosporium gracile of the Iris. 027924
Ultrastructural changes in *host-parasite* **interface** of chrysanthemum rust [Puccinia horiana] treated with oxycarboxin. 027985
Panel report: **internal** *parasites* in cats. 024647
Concerning the fauna of bird **lice** *parasitizing* snipes of southern Turkmenistan [New taxa]. 029600
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on *parasite* **longevity** and host-parasite ratios. 028850
Effect of *antiparasitic* **medication** in ponies on pasture. 024583
Ultrastructure of Gurleya chironomi n. Sp., **microsporidan** *parasite* of the genus Orthocladius (Diptera, Chironomidae). 029486
Parasitic **mites** of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [New taxa]. 029527
Materials on Acaridae, the *parasites* of **mountain** rams and wild hoofed animals of Badkhyz. 029020
Cross-breeding to facilitate the identification of Deladenus spp., **nematode** *parasites* of woodwasps [Sirex noctilio, pest of pine trees, biological control]. 028951
Bacillus penetrans n. Comb. Causing a virulent disease of *plant-parasitic* **nematodes.** 028383
Parasites and **pathogens** of the Japanese nut tree giant silkworm [Forest pests, natural control]. 028966
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the *parasite,* **Pediobius** foveolatus, with emphasis on parasite longevity and host-parasite ratios. 028850
Studies on lignin formation in fungus [Alternaria japonica, **Peronospora** *parasitica]-infected* plants. 027904
Influence of temperature on adult biology and population growth of Bracon kirkpatricki *[parasite* of the **pink** bollworm, GPectinophora gossypiella]. 028709
A comparative study on the evolution of lipids and starch reserves at the the apex of Taxus baccata L. from healthy plants and **plants** *parasitized* by Taxomyia taxi Inch. 028879
Ultrastructure of Malameba locustae (K. & T.), a **protozoan** *parasite* of locusts. 029201
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a *parasite* **[Psilus]** (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and *host-parasite* **ratios.** 028850
A new species of Forcipestricis [portoricensis] Burks, 1968 (Hymenoptera: Encyrtidae) from Puerto **Rico** *parasitic* on Forcipomyia (Diptera: Ceratopogonidae). 029354
Parasitism of the **sclerotia** of Sclerotinia sclerotiorum by Microsphaeropsis centaureae. 027920
Moss [Musci] *parasitic* **species** of lichen genera Micarea and Vezdaea [New taxa]. 025619
Induced susceptibility or induced resistance as causes of *host-parasite* **specificity** [Wheat, stem rust, Puccinia graminis tritici]. 027971
Comparative action of systemic antibiotics against Clitocybe mellea, *parasite* of **spermatophytes.** 027913
Some bionomic dates on the *parasite* **Trichogramma** evanescensWestwood in the eggs of Anagasta kuehniella Zeller [Insect pests, biological control]. 028687
Parasites of domestic and laboratory animals in the Netherlands. 2. *[Parasitic* **worms,** insect pests]. 024733

PARASITIDAE

Fine structure of vas deferens wall in the mite, Pergamasusviator Halas, **(Mesostigmata,** *Parasitidae).* 029191

PARASITOIDEA

Determination of larval instars of Heterocampa manteo and reduction of larval head capsule size by the *parasitoid* **Diradops** bethunei [Quercus pests, biological control]. 028918
Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an **Encyrtus** *parasitoid* after treatment with insect growth regulators and insecticdes. 028853
Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: Ichneumonidae), a *parasitoid* of **Epinotia** tedella Cl. (Lepidoptera: Tortricidae). 029509
Preference of Lysiphlebus testaceipes *[parasitoid]* for **greenbug** [Schizaphis graminum] resistant and susceptible small grain species. 028737
Isolation, identification and synthesis of host-seeking stimulants for cardiochiles nigriceps, a *parasitoid* of **tobacco** budworm [Heliothis virescens]. 028722

PARATHION

Determination of *parathion-methyl* and its **metabolites** in samples from animals and in foodstuffs. 021841
Suppression of the boll weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] **methyl** *parathion* [on cotton]. 028755
TAS method for the detection of *parathion-methyl* and some **transformation** products in organic substances. 029082

PARATHYROID *see* THYROID

PARATUBERCULOSIS

Ultrastructural studies of **bovine** *paratuberculosis* (Johne'sdisease) [Mycobacterium paratuberculosis]. 024784
Another case of *paratuberculosis* in **sheep.** 024713

PARBENDAZOLE

Concerning the toxicity of *parbendazole* **(Helmatac** 30) to horses and ponies [Anthelmintics]. 024732

PARENCHYMA

Characteristics of accumulation of p-coumarylglucose in the *parenchyma* of **apple** (Pirus malus L.). 027223
Properties of **lung** *parenchyma* in distortion [Dogs]. 023468
Cell wall glycoproteins and polysaccharides of *parenchyma* of **Phaseolus** coccineus [Runner beans]. 027244

PARENT

Study of soil clays from different sources of **alluvial** *parent* materials under varying rainfall conditions. 030321
Relationships between the inorganic colloid and the *parent* **material** of some volcanic ash soils in Miyagi and Iwate prefectures, Japan. 030353
Effect of weathering and *parent* **materials** on clay mineralisation: red ferruginous soils of humid tropics. 030308
Endosperm abnormalities in Triticum-Secale combinations. I. X Triticosecale and its *parental* **species.** 026108

PARENTERAL

Concentration and transport of different sugars in the lymph of the thoracic duct and in blood of the portal vein in dogs after enteral and *parenteral* **administration.** 023388
Levels of oxytetracycline in the rumen juice of cattle after its *parenteral* **administration.** 023669
Nutritional and medical evaluation of sugar exchange materials in oral and *parenteral* **application.** 022173
Antitoxic immunity in experimental cholera: protection, and serum and local antibody responses in rabbits after enteral and *parenteral* **immunization.** 024569
Effect of *parenteral* **iron** [supplementation] on serum electrolytes [Swine]. 023890
A program for **total** *parenteral* nutrition at home. 021996

PARESIS *see* PARALYSIS

PARKS

The forests of the Pieniny **National** *Park.* 025019
Investigations of the flora of the Tatry **National** *Park.* 025679
Map of the distribution of **national** *parks* in Poland's geobotanical regions. 025680
Directions concerning the management of meadows in the Pieniny **National** *Park.* 030828
National *parks* in the spatial system of protection of the nature of the Tatry, Pieniny and Babia Gora mountains [Poland, Czechoslovakia]. 030829
The influence of tourism on the vegetation of the Babia Gora **National** *Park.* 030837
The status and perspectives for a development of the network of **national** *parks* in Poland. 030840
The Tatry **National** *Park* as a territory of many-sided studies on nature. 030841
Twenty years of scientific investigations in the Babia Gora **National** *Park.* 030843
Unfavorable changes in the natural environment formed the theme of a scientific session held in the Ojcow **National** *Park.* 030844
Genesee County [Michigan] *parks* and **recreation** study [Land use]. 021215
Protection and management of **rural** *parks* in Poland. 025551
The project for **scenic** *parks* and zones of protected landscape in the Lublin province. 030838

PARMELIA

A **lichen** *(Parmelia* conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, air pollution, indicator plants]. 025880

PARONYCHIA

Centrosperm studies. 8. Contribution to the morphology, anatomy and systematic position of Gymnocarpos Forsk. and *Paronychia* **argentea** Lam. (Caryophyllaceae). 025616

PAROTID

On the fine structure of salivary glands of goat and dog. I. *Parotid* **gland.** 023346
Sympathetic and sympathomimetic stimulation of *parotid* **salivary** secretion in sheep. 023553

PARSLEY

Studies on [aster] yellows disease of *parsley* and **celery** [Scleroracus flavopicta, mycoplasma-like organisms]. 028274
Cytoplasmic inclusions in **yellowing** *parsley* leaves [presumably due to a virus infection]. 028212

PARSNIPS

Parsnips 3d **ed.** Rev. 022245
Annotated bibliography on the storage of root vegetables (beetroot, *parsnips,* **radishes,** swedes, turnips), 1968-1974. 022963

PARTHENOCARPY

Parthenocarpy in **cucumbers.** 027175
Respiration rate and acidity in *parthenocarpic* and **seeded** Conference pears. 027202

PARTHENOCISSUS

Anatomical repercussions of light intensity on Virginia **creepers** *Parthenocissus* tricuspidata. 026434

PARTHENOGENESIS

Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of *parthenogenetic* **origin.** In vitro maintenance of haploid and aneuploid formulas. 029351

PARTICLEBOARDS *see* BOARDS

PARTICLES

The hydrometer method for *particle-size* **analysis.** 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in calcareous saline soil suspensions. 030348
On the behaviour of wood particles in hot air-steam mixtures—a contribution of the improvement of particle drying in *particle* **board** plants. I. 025376
Study of some characteristics of Rhododendron wood species and their suitability for *particle* **board** manufacture under laboratory conditions. 025514
The use of polyvinyl chloride foil during surface processing of *particle* **boards.** 025291
Method of determining formaldehyde and methanol extracted in poly-condensation of resin in hot pressing of *particle* **boards.** 025395
A trichromatic staining for the detection of muscle protein, connective tissue protein and mineralized **bone** *particles.* 022644
Orientation of **clay** *particles* as it relates to crusting of soil. 030342

E.P.R. [Electron paramagnetic resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I *particles* **contain** 4Fe-4S centres. 026392
On the behaviour of wood particles in hot air-steam mixtures—a contribution of the improvement of *particle* **drying** in particle board plants. I. 025376
Heat and mass transfer in freeze drying of mixed **granular** *particles.* 022454
Defective **interfering** *particles* of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504
Determination of *particle* **length** in cobs and wafers [Separator equipment]. 030143
Studies on virus **like** *particles* in Lentinus edodes [Mushrooms]. 028244
Virus **like** *particles* in fungi. 028248
Phase maps for *particles* and **microorganisms** in animal quarters [for physiological parameters]. 023578
Oscillating screen motion effect on the *particle* **passage** through perforations [Chickpea seed]. 030146
Photophosphorylation and related properties of reaggregated vesicles from spinach **photosystem** I *particles.* 027138
The relationship of plastic deformation in freeze-etching to the orientation of a **protein** *particle* [Tobacco]. 026029
Relationships between *particle* **size** and mineral composition of volcanic ashes [Soils]. 030376
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and **subchloroplast** *particles* as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Oxidation of NADPH by **submitochondrial** *particles* from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483
Electrical potentials during water entry into an air-dry mixture of sand and kaolinite *[Soil-particle* **surfaces].** 030338
Virus-like *particles* in shiitake mushroom, Lentinus edodes (Berk.) Sing. 028249
Nonoccluded **viruslike** *particles* in larvae of Culicoides cavaticus (Diptera: Ceratopogonidae). 029030
On the behaviour of **wood** *particles* in hot air-steam mixtures—a contribution of the improvement of particle drying in particle board plants. I. 025376

PARTICULATE

Vitamin D-dependent, *particulate* **calcium-binding** activity and intestinal calcium transport. 022012
Particulates in **domestic** premises. II. Ambient levels and indoor-outdoor relationships [Air pollution]. 030803
Control of *particulate* **emissions** [Air pollution] from alfalfa dryers. 030915
Photoreversible binding in vitro of cytosolic phytochrome to *particulate* **fraction** isolated from pea epicotyls. 027278
Biosynthesis of chitin by *particulate* **fractions** from Cunninghamella elegans [Fungi]. 026671
Particulate **properties** and rheology of pregelled yam (Dioscorea rotundata) products. 022934
Particulate **source** strength determination for low-intensity prescribed fires [Air pollution, forests]. 025196
Air pollution by **suspended** *particulate* matter in Dunedin and Milton. 030939

PARTITION

Partitioning of **nitrogen** and carbon in cultures of the marine diatom Thalassiosira fluviatilis supplied with nitrate, ammonium, or urea. 026668

PARTURITION *see* BIRTH

PASPALUM

Paspalum **[dilatatum]** control in Australasia with glyphosate. 028561

PASSIFLORA

Passiflora **foetida,** a widespread host of passionfruit woodiness virus in Queensland. 028157
Training and pruning of passion **fruit** *(Passiflora* edulis Sims) in Kenya. 027650
Flavonoids from *Passiflora* **incarnata.** 027159

PASSIVE

Clinical aspects of *passive* **immunity** in foals. 024614

PASTE

Cambendazole *paste* as an anthelmintic in horses. 024775
The possible presence of animal proteins in **food** *paste* [Analysis]. 022376
Evaluation of mebendazole in *paste* **formulation** in the horse [Parasite control]. 024778
Physiocochemical and microbiological evaluation of commercial **tomato** *pastes.* 022882

PASTEURELLA

Synergistic action of tylosin and oxytetracycline against **bovine** *Pasteurella* isolates [Cattle]. 024783
A biochemical and serological study of strains of *Pasteurella* **multocida** associated with haemorrhagic septicaemia in cattle and buffaloes in Sri Lanka. 024499
Demonstration in tissue culture of cellular immunity of fowl cholera *[Pasteurella* **multocida,** chickens]. 024537
Suppurative mandibular osteomyelitis associated with *Pasteurella* **multocida** in a rabbit. 024782
An eye infection in laboratory mice associated with *Pasteurella* **pneumotropica.** 024636

PASTEURELLOSIS

Pasteurellosis in **African** grey parrots (Psittacus erithacus L.). 024445

PASTEURIZATION

Quantification of lactones in **ripening** *pasteurized* milk Blue cheese containing added microbial lipases. 022590

PASTURES

In view of an integrated approach of deveopment of *pasture* in **arid** zones: considerations from a case in South Tunisia. 021307
Notes on the biology and distribution of three recently discovered exotic weevil pests [Atrichonotus taeniatulus, Floresianus sordidus, Sitona humeralis] in Hawkes **Bay** *pastures].* 028782
The wheat plant for cows *[Pastures,* **beef** cattle]. 023910
Tara Hills high country survey 1973 [Sheep, **cattle,** *pastures].* 023156
The effect of two pathogens [Adelina, RNA virus] on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum **clandestinum**] *pasture.* 028784
The role of meadow leguminous grasses in increasing productivity of **cultivated** *pastures.* 027565
Effectiveness of **cultivated** *pastures* in Karelia. 027580
Soils of light mechanical composition and **cultivated** *pastures.* 030382
Effect of mineral fertilizers on yield and quality of forage grass stands of **cultivated** *pastures* in the western forest-steppe region of the Ukraine. 030561
The rational hydromodule and the irrigation rate for overhead watering of **cultivated** *pastures.* 030722
Decomposition of organic materials and soil fauna in *pasture.* 2. **Disappearance** of cow dung. 030271
Small **grains** for *pasture.* 027526
Estimation of food intake of sheep grazing **green** *pasture* when no free water is available. 023751
Effect of ground cover and *pasture* **height** on oviposition and establishment of soldier fly larvae [Inopus rubriceps]. 028778
Evaluation of Bacillus thuringiensis Berliner and insecticides in the control of larvae of Maculella spp. (Lepidoptera, **Hepialidae)** in *pastures.* 028702
Evaluation of **irrigated** *pasture* species [Festuca arundinacea, Agropyron elongatum, Dactylis glomerata, cattle]. 023861
Irrigated *pastures* in Nevada [Management]. 027377
Yielding capacity of **irrigated** *pasture* and chemical composition of fodder according to the level of fertilizer application. 030578
Mowing of nongrazed part of *pasture* **land.** 027370
Studies on the landscape management of *pasture* **land** using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of environmental preservation. 027495
Evaluation of carbofuran for the control of soldier fly [Inopus rubriceps] **larvae** in *pasture.* 028780
Use of grass covers for intensification of agricultural production and improvement of the environment [Culture, varieties, *pastures,* **lawns].** 027449
Growing **leguminous** *pastures* on the Lilongwe Plain. 027567
Control of porina caterpillar [Wiseana] with **leptophos** *[Pastures].* 028775
Seasonal distribution of pasture production in New Zealand. VI. Wairakei, *pasture* and **lucerne** production. 026992
Control of white-fringed weevil [Graphognathus leucoloma] adults with insecticides [pests of *pastures* and **lucerne].** 028776
Insecticide screening trials against black beetle [Heteronychus arator, *pastures,* **maize].** 028781
Clover nitrogen and *pasture* **management.** 027397
Two dairy cattle per forage acre *[Pasture* **management].** 027446
United Kingdom, kingdom of grass *[Pasture* **management].** 027447
One thousand pounds of finished beef per acre? *[Pasture* **management].** 027484
1975 proceedings, Nevada/California beef conference [Cattle grazing, *pasture* **management].** 027489
It is the season for legumes *[Pasture* **management].** 027499
The use and abuse of **new** *pasture* cultivars: with special reference to 'Grasslands Matua' prairie grass. 027399
A population study of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: Cercopidae) in Mexican **Pangola** *pastures.* 028797
Sod-seeding [practices for] legumes in **permanent** *pastures.* 027396
Chemical control of *pasture* **pests** [Wiseana, Costelytra zealandica] on the West Coast [South Island]. 028773
Effect of antiparasitic medication in **ponies** on *pasture.* 024583
Seasonal distribution of *pasture* **production** in New Zealand. IV. Westport and Motueka. 026990
Seasonal distribution of *pasture* **production** in New Zealand. V. Gisborne Plains. 026991
Seasonal distribution of *pasture* **production** in New Zealand. VI. Wairakei, pasture and lucerne production. 026992
Seasonal distribution of *pasture* **production** in New Zealand. VII. Masterton (Wairarapa) and Maraekakaho (Hawke's Bay). 027461
The Massey Grass Meter [to assess the actual **quantity** of *pasture].* 027398
Effects of feeding formaldehyde-treated oilseed supplements to **sheep** on *pasture.* 023801
Effects of three forest species on *pasture* **soil** fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. 025013
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in *pasture,* **soil,** water, and urine of sheep and cattle. 030940
Improvement of surface sowing in grassland establishment. V. Making pelleted seeds with pelleter and its effects on early growth of *pasture* **species.** 027463
Effect of ethofumesate on barley grass [Hordeum] and other *pasture* **species** [Control]. 028553
The effect of plant structure on the intake of **tropical** *pasture.* III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
Veld types of South Africa *[Pastures,* **varieties].** 027448
Looking after *pastures* in **winter.** 027400
Nematode genera from some New **Zealand** *pastures.* 028398

PATHOGENESIS

The experimental cyclical transmission of certain **African** *pathogenic* trypanosomes. 024643
Studies on the leaf blight of rice plant. III. A metabolite of the *pathogenic* **bacteria** [Xanthomonas oryzae]. 028151
Pathogenicity for **cattle** of Dictyocaulus filaria, the pathogen of lungworm infestation in sheep. 024772
The *pathogenesis* and **control** of strongyle [Strongylus vulgaris] infection in the horse. 024617
Pathogenicity of the **corn** stunt agent to an insect vector, Dalbulus elimatus. 028758
On resting spores of *insect-pathogenic* **Entomophthoraceae** (Zygomycetes). I. Production of resting spores of Entomophthora thaxteriana (Petch) Hall et Bell. 028690
Pathogenesis of **fetal** infection in ruminants [Cattle]. 024470
Ultrastructure and chemistry of Epidermophyton floccosum cell walls *[Pathogenic* **fungi].** 026015
Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of *pathogenic* **fungi** and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Cellulolytic enzyme production/non-production by some *pathogenic* **fungi.** 027944
Mycoflora of the rhizosphere and roots of pome fruits in the Maritime Territory *[Pathogenic* **fungi].** 028015
Behavior of *pathogenic* **Fusarium** oxysporum in different soiltypes, with special reference to the interaction of the pathogen and other microorganisms. 030210
Use of a *pathogenic* **germ** in the control of Sibine fusca (Limacodidae) [Pests of oilpalms]. 028672
Multiple viral infections of insect cells and **host** *pathogenesis:* multicomponent viral insecticides [Galleria mellonella, biological control]. 028653
Pathogenicity for several **laboratory** animals of Toxoplasma oocysts originated from naturally infected cats. 024656
Effect of inoculum level and plant age on *pathogenicity* of **meloidogyne** incognita and Rotylenchulus reniformis to tomatoand lettuce [Nematodes]. 028418
Some evaluation on the ways and sources of *pathogenic* **microorganisms** and on the possibility of their transmission to food products. 021901
Biological and biochemical properties and *pathogenicity* of **Mycobacterium** fortuitum of porcine origin in mice. 024485
Heating soils, soil mixes, and soil substitutes with saturated air [Control of *pathogenic* **organisms** in greenhouse and mushroom culture]. 028339
The effect of ecological factors on the vertical distribution of micromycetes [including **plant** *pathogenic* fungi] in soils of East Georgia [USSR]. 025746
Conidia liberation in Pyricularia **[Plant** *pathogenic* fungi]. 027967
Plant *pathogenesis.* 028314
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of maize] strains that are distinct in nuclear **ploidy** and *pathogenicity.* 028025
Pathogenic **races** of potato wart [Synchytrium endobioticum (Schilb.) Perc.] and their virulence. 028019
Pathogenic **species** of actinomycetes—pathogens of corky scab of potatoes. 028153
Studies on **viral** *pathogenesis* in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with tobacco mosaic virus. 028258
Newcastle disease **virus** *pathogenesis* in the respiratory tract of local or systemic immunized chickens. 024444

PATHOGENS

Pathogenic species of **actinomycetes**—*pathogens* of corky scab of potatoes. 028153
A culture medium for certain species of **fungi**—*pathogens* of spot diseases. 028005

Recent orientations in the study of **insect** *pathogens* in in vitro cultured cells [Disease vectors, biological control]. 029016
Parasites and *pathogens* of the **Japanese** nut tree giant silkworm [Forest pests, natural control]. 028966
Pathogenicity for cattle of Dictyocaulus filaria, the *pathogen* of **lungworm** infestation in sheep. 024772
Behavior of pathogenic Fusarium oxysporum in different soiltypes, with special reference to the interaction of the *pathogen* and other **microorganisms.** 030210
[Fungal] *pathogens* **observed** on lodgepole pine [Pinus contorta latifolia] grown in Finland. 027955
Cytochemical aspects of specificity in **plant** *pathogen* interactions. 027968
About the toxins of spheropsidal fungi **[plant** *pathogens].* 028006
A new method for quantitative direct observation of sporangia of Phytophthora cactorum (Leb. et Cohn) Schroet, **[Plant** *pathogens]* in the soil. 028104
A simple method for identifying pectinolytic capacities of bacterial isolates **[Plant** *pathogens]* (short communication). 028133
Proceedings of the Federation of British Plant Pathologists, January 1974: Breakdown of control against *pathogens* of **plants** and animals [Abstracts of papers]. 028328
Biochemical and physiological causes of resistance of **plants** against *pathogens.* 028335
Testing and management of a **specific** *pathogen* free chicken flock with special reference to avian leukosis virus infections. 024400
Eimeria falciformis (Eimer, 1870) in **specific** *pathogen* freeand gnotobiotic mice [Laboratory animals]. 024661
Studies on establishment of SPF **[specific** *pathogen* free] chicken flocks and SPF egg production. 024691
The racial composition of the *pathogen* of **stem** rust of oats, Puccinia graminis Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Acquisition and loss of the tobacco **stunt** *pathogen* by Olpidium brassicae [fungus vector] and transmission by sap inoculation. 028236
The effect of **two** *pathogens* [Adelina, RNA virus] on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784
Genetic differentiation of the *pathogen* of **wheat** bunt [Tilletia caries]. 028012

PATHOLOGISTS

Obituary: William Graham Keyworth **[Plant** *pathologist].* 027899
Plant *pathologist* reports on China. 028415

PATHOLOGY

Pathology of the **bovine** testis and epididymis. 024911
Pathology of **chronic** Trypanosoma brucei infection in the rabbit. 024803
A survey of *pathological* **conditions** in the genital organs of ewes [Sheep]. 024306
Microsporidia in Simulium larvae: systematics; ecological, *pathological* and **cytochemical** data. 028992
Research activity in some **forest** *pathology* institutes in the United States of America: report of a study trip [Pinus monticola, Cronartium ribicola, Cronartium fusiforme]. 027988
Pathological **infection** of Thoroughbred horses with Gastrodiscus aegyptiacus. 024616
Pathological **morphological** variations of electrocardiogram [Dogs, heart diseases, diagnosis]. 024892
Experimental fascioliasis in monkeys. I. Parasitological, clinical and *pathological* **observations** on monkeys infected with the "Japanese species" of Fasciola. 024629
The application of **plant** *pathological* techniques in plant quarantine pathology [Soybeans, asparagus, sugarcane]. 028310
Proceedings of the Federation of British **Plant** *Pathologists,* January 1974: Breakdown of control against pathogens of plants and animals [Abstracts of papers]. 028328
Physiological **plant** *pathology:* a multidisciplinary science. 028421
The application of plant pathological techniques in plant **quarantine** *pathology* [Soybeans, asparagus, sugarcane]. 028310
A note on th *pathology* of **reticuloendotheliosis** [Chickens]. 024879
Histology of the developmental process of the femoral diaphysis and its *pathological* **significance** in broiler chickens [Bone diseases]. 024874
Modern views on the etiology, epidemiology, diagnosis and *pathology* of **urinary** bladder cancer [in animals]. 024863
Host relations and distribution of a physiological and *pathological* **variant** of Pseudomonas morsprunorum [Sweet-cherry trees, leaf spot]. 028131

PATHWAYS

Comparison for the measuring of *path-reliefs* of **agricultural** machines of two methods. 030094
Behavior of phenolic substances in the decaying process of plants. III. **Degradation** *pathway* of phenolic acids [Rice straw]. 030351
Environmental *pathways* of plutonium into terrestrial plants and animals. 024957
Suaeda monoica, a C4 [carbon **fixation** *pathway]* plant without typical bundle sheaths. 026793
Evidence against the participation of the **gamma-glutamyltransfease-gamma-glutamylcyclotransferase** *pathway* in amino acid transport by rabbit erythrocytes. 023279
Tryptophan metabolism of Phycomyces blakesleeanus. I. Elucidation of the *pathway* of **indoleacetic** acid biosynthesis [Fungi]. 026413
Purine **metabolism** *pathway* in Drosophila melanogaster cells grown in vitro: utilization of adenosine. 029273
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of **photosynthetic** *pathways.* 026864
The Blufflands: **Pleistocene** *pathway* into the Tunica Hills [Paleobotany]. 025587
Milk ejection in the rat: reversible blockade of hypothalamo-neurohypophysial and **sympathetico-adrenal** *pathways* by radio- frequency currents. 023519

PATTERNS

Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma **acid** *patterns.* 023716
Pattern of **activity** of a trypsin-like enzyme during malting. 022399
Adoption *pattern* of recommended farm parctices in Gujarat. 021278
Airflow *patterns* in conical-shaped piles of grain. 022843
A method for the identification and quantitative investigation of denatured proteins in mixtures based on computer comparison of **amino-acid** *patterns.* 022550
What do you feed a city? Nothing but the best! **Changing** *patterns* of land use in the Phoenix area. 021210
Communication *pattern* of farmers: a systemic analysis. 021105
Beverage **consumption** *patterns* in New York State. 022118
Pattern of **crack** formation in rice grain as influenced by shape and orientation of cells. 022792
Shift in **cropping** *pattern* as a result of scarcity of fertilizers. 030471
Cross-reactivity *patterns* of IgM and IgG anti-lipopolysaccharide antibodies in individual mice. 024513
On the formation of the *pattern* of **crystal** idioblasts in Canavalia ensiformis DC. VII. Calcium and oxalate content of the leaves in dependence of calcium nutrition. 027063
Apparent solubility and alkali **degradation** *patterns* of rice varieties. 022780
Rough fruit condition of the Shamouti orange: occurrence and *patterns* of **development.** 028414
Studies on root **distribution** *pattern* of some high yielding paddy varieties. 027426
The effect of temperature and humidity on the **distribution** *patterns* of Drosophila inornata in Victoria, Australia. 029347
Studies on groundnut proteins. IV. Effect of storage or proteolysis on the gel **electrophoresis** *pattern* of arachin. 022776
Total proteins and the **electrophoretic** *pattern* of serum protein in normal Rajasthani sheep. 023434
The effect of temperature and other factors on the expression of **elytral** *pattern* in lady beetle, Harmonia axyridis Pallas. 029259
Q-, C-, and **G-banding** *patterns* in the germ-line and somatic shromosomes of Miastor sp. (Diptera: Cecidomyidae). 029301
Variation of the long-chain **hydrocarbon** *pattern* in different tissues of Duncan grapefruit. 027259
The influence of nitrogen and benlate on leaf-area duration, grain growth and *pattern* of N-, P- and **K-[nitrogen,** phosphorus, potassium] uptake of winter wheat Triticum aestivum). 030570
Significance of fold and **lineament** *patterns* in sulphide mineralization in the northeastern part of the Jabalpur (India) mineralized belt—a photogeological interpretation. 030281
The distribution and the **lysis** *patterns* of the bacteriophages of Xanthomonas malvacearum, the incitant of bacterial blight of cotton. 028149
Effect of maternal sucrose intake on the **metabolic** *patterns* of mature rat progeny. 021998
Patterns of **nitrogen** utilization in the soybean. 027036
Patterns in the **numbers** of air-borne conidia of apple powdery mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
How insects navigate? Bees and ants orient themselves by the **polarization** *pattern* of the sky. 029500
The effect of cold treatment on **protein** *patterns* and enzymes in tulip bulbs. 027082
Effect of food qualities on **protein** *pattern* of the haemolymph of a millipede Orthomorpha gracilis. 029331
Display of two **reaction** *patterns* after exposure of barley seeds to gamma radiation of 60Co [cobalt isotope] in air. 026916
The *pattern* of **reactivation** of diapausing larvae in the blowfly, Calliphora vicina. 029421
A comparison of the **reproductive** *patterns* of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: Aphididae) [Broadbean pests]. 028715
Root *patterns* in [grain] crops as related to water and nutrient uptake. 026963
Studies in tuberculin sensitivity in livestock in Ceylon. V. *Patterns* of **sensitivity** in pigs. 024500
Study of sharka [plum pox virus] **spread** *pattern* in some plum orchards. 028198
Adenosine deaminase in the pig: **tissue-specific** *patterns* and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. 023976
Treefalls and *patterns* of **understory** species in a wet lowland tropical forest. 025896

PATULIN

Instability of *patulin* in **Cheddar** cheese [Penicillium patulum]. 021927

PAULOWNIA

Economic analysis of planting **kawakami** *paulownia* (Paulowniakawakamii Ito.) in Taiwan [Costs, returns]. 025079

PEACHES

Anomalies in the behaviour of **certain** *peach* and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. 028168
A reappraisal of the growth and development of *peach* **fruit.** 027119
Transmission by grafting of a disease of *peach* in **Greece** resembling that of chlorotic leaf roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. 028234
Weeds in orchards as important alternate sources of **green** *peach* aphids [Myzus persicae] in late spring. 028855
Postharvest decay, weight loss, and fungicide residues on *peaches* **hydro-** or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
Studies on the processing adaptability for nectar of **introduced** *peach* varieties. 022973
Residues of atrazine, simazine, linuron and diuron after repeated annual applications in a *peach* **orchard.** 029182
Periods for urea application to the soils of *peach* **orchards.** 030525
Packing *peaches* will never be the same in southeast Missouri [Marketing cooperatives]. 021603
Preliminary investigations on the effect of various fungicides applied during bloom on pollen germination and fruit set **[Pears,** *peaches].* 027910
Bruising characteristics of *peaches* **related** to mechanical harvesting. 028443
Evidence of a [peach wart] virus disease causing deformed stones on the *peach* **seedling** GF 305. 028178
Spread and control of Prunus stem pitting *[Peaches,* **tomato** ringspot virus, transmitted by Xiphinema americanum]. 028196
Improved performance of *peach* **tree** clone freed from ring spot [virus] by thermotherapy. Study of recontamination in the orchard. 028182
Photosynthesis in relation to growth and distribution of fruit in *peach* **trees.** 027122
Evidence of a *[peach* **wart]** virus disease causing deformed stones on the peach seedling GF 305. 028178

PEAKS

Peak **shear-force** values obtained for veal muscle samples cooked at 50 and 60 Celsius: influence of aging. 022683

PEANUTS

Amino acid and fatty acid composition of chlorophyll-deficient mutants in *peanuts* **Arachis** hypogaea L. 026999
The peanut and *peanut* **butter.** 022100
Pre- and post-emergence losses of *peanut* **caused** by Aspergillus flavus Link. 028122
Production of flavor volatiles in enzyme and substrate **enriched** *peanut* homogenates. 022785
Long distance transport of potassium in **intact** *peanut* seedlings: effect of sodium and ouabain. 027121
Lipoxygenase **isozymes** of *peanut.* 022798
Economic aspects of *peanuts* **[Marketing,** trade, Argentina]. 021582
Ill-effects of feeding **mouldy** *peanut* hay to young goats [Aspergillus nidulans, mycotoxicosis]. 024955
Parasitoids associated with lepidopterous pests on *peanuts;* **Oklahoma** fauna [Natural control agents]. 028736
The *peanut* and **peanut** butter. 022100
World production of *peanuts* up. 021646
Accuracy of seed spacing in *peanut* **planting** [Equipment]. 030142
Interactions of Pythium myriothylum with several fungi in *peanut* **pod** rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Complementary and supplementary value of *peanut* **protein** to rice when fed to weanling rats [Diet]. 022178
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or **shelled** *peanuts* supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Field experiments with magnesium in Alabama—cotton, corn, **soybeans,** *peanuts.* 030431
Gamma irradiation of adult Plodia interpunctella: Effects on mating, sterility, and number of progeny [in **stored** *peanuts* in Georgia]. 028969
Translocation of boron to plant fruits *[Peanuts,* **subterranean** clover]. 026389
The results of studying [Soviet] *peanut* **varieties** [in Guinea]. 027518

PEARL

The angraecoids **[orchids]**—*pearls* from Madagascar. 025598

PEARLMILLET

Effect of minerals on the chiasma frequency in **desynaptic** *pearlmillet.* 026131
Changes in cell-wall carbohydrates and lignin of some forage-type millets *[pearlmillet,* **durra,** Pennisetum purpureum] asaffected by growth stage. 026985
Note on the [yield] response of hybrid bajra-4 *[pearlmillet]* to different **levels** of nitrogen. 030470

Storing *[pearlmillet]* **seeds** for a century. 022738
Complete [chromosomal] interchange **stock** in *pearlmillet.* 026235

PEARS
Seasonal changes in the epiphytic population of Erwinia amylovora on **apple** and *pear.* 028136
The involvement of host-specific toxins in early step of infection by Alternaria kikuchiana and Alternaria mali *[Pears,* **apples].** 027982
Cydonia C 7-1 and Pyronia veitchii, two complementary indicators *[Pears,* **apples,** viruses]. 028175
Drip irrigation progress report in the mid-Columbia **area** *[Pears].* 030728
Fluorescent product accumulation in ripening fruit **[Bananas,** *pears].* 022958
Promotion of softening and ethylene synthesis in **Bartlett** *pears* by 3-methylene oxindole. 022960
Studies on the processing adaptability of *pear* **canning** [Varieties]. 022972
Respiration rate and acidity in parthenocarpic and seeded **Conference** *pears.* 027202
Pear **decline** like symptoms observed in France [Virus diseases]. 028188
Tetracycline therapy of *pear* **decline** and X-disease in peachand cherry [Virus diseases]. 028201
Starch breakdown and ripening of apple and *pear* **fruits.** 027234
Nectria **galligena** also on *pears.* 028881
Observations on the richness of vitamin C of apples and *pears* of the 1974 **harvest** in the Gembloux region. 022099
Studies on the chlorosis of **Japanese** *pear* trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected orchard soils. 028445
Studies on the chlorosis of **Japanese** *pear* trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an upland crop. 028446
Bacterial blight [Erwinia amylovora] not discovered [but bacterial canker present on apples and *pears* in **Maritime** Territory]. 028155
District costs and efficiency of *pear* **packing** in relation to facilities organization Lake County, California. 022914
Influence of varying temperature conditions on the respiration of ethylene synthesis and organoleptic behaviour of **Passe-Crassane** *pears.* 027229
Preliminary investigations on the effect of various fungicides applied during bloom on pollen germination and fruit set *[Pears,* **peaches].** 027910
Promotion of softening and ethylene synthesis in *Bartlett* **pears** by 3-methylene oxindole. 022960
Elimination of ovarian diapause in *pear* **psylla,** Psylla pyricola (Homoptera: Psyllidae), in the laboratory. 028816
An as yet rarely observed pest [Dasyneura **pyri]** on *pears.* 028880
Oregon's drip irrigation: 1974 research **report** *[Pears].* 030729
Population injury levels and sampling of the *pear* **rust** mite [Epitrimerus pyri] on pears in southern Oregon. 028871
The *pear* **tree** psylla (Psylla piri L.) and possibilities for its control. 027799
Pear **tree** response to drip irrigation on Carney clay soil, second season 1974. 030730
Crop reduction in *pear* **trees** caused by virus infection. 028174
Advice for the harvesting and storage of the most important apple and *pear* **varieties** for 1975/76. 022956

PEAS
Rice and *pea* **alcohol** dehydrogenase. 026529
Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and *pea* **aphid** [Acyrthosiphon pisum]. 028663
A modified technique for rearing of the *pea* **aphid** [Acyrthosiphon pisum] on artificial diets. 029324
Partial purification and serological relationship of three strains of bean yellow mosaic virus [Kidney **beans,** *peas].* 028217
Penoxalin, a new selective herbicide for weed control in *peas,* **beans** and other crops. 028562
Insect pests of leguminous crops *[Peas,* **beans].** 028909
Inhibitors of viral infection in sap from *pea,* **broadbean** and lucerne plants. 028223
Cytogenetic characteristics of tissue cultures from legume plants [Lathyrus odoratus, **broadbeans,** *peas].* 026140
Observations with cytochemistry and ultracryotomy on the fine structure of the expanding walls in actively elongating plant cells [Mung beans, *pea,* **celery].** 026024
Effect of growth regulating substances on germination and certain metabolic **changes** in *pea.* 027177
Toxicity of fringe treatments of *peas* **[Chemical** and biological control of Sitona]. 028916
The trypsin and chymotrypsin inhibitors in **chick** *peas* (Cicer arietinum L.). Purification and properties of the inhibitors. 027172
Kinetics of "aging" of photosynthetic apparatus of isolated **chloroplasts** *[Peas].* 027167
Isolation and characterization of subunits of 80S ribosomesof **dry** *pea* seeds. 027133
Biochemical properties of mitochondrial membrane from **dry** *pea* seeds and changes in the properties during imbibition. 027261
Applications of post-emergence herbicides in *pea* and **dwarf** bean crops. 028584
Pea **enation** mosaic virus resistance among commercial breeding lines of Pisum sativum. 028266
Distribution and nonphotochemical transformation of phytochrome in subcellular fractions from Pisum [sativum, *peas]* **epicotyls.** 027267
Photoreversible binding in vitro of cytosolic phytochrome to particulate fraction isolated from *pea* **epicotyls.** 027278
The relation between the shoots of plants inoculated with [witches' broom] Cornyebacterium **fascians** *[Peas].* 028135
Vernalization of winter **field** *pea.* 026894
Variability of protein content in spring vetch and *peas* for **forage.** 027046
There are still reserves *[Peas* as a **forage** plant, agrotechnology]. 027578
Effect of phospholipase A on spectral and photochemical properties of chloroplasts and their **fragments** *[Peas].* 027131
Problems of **freeing** *pea* seeds [from pods]. 022866
Heterosis in **garden** *pea* (Pisum sativum var. Hortense). 026185
Inhibitory action of five tannins on growth induced by several **gibberellins** [in *peas].* 027273
Contribution to the problems of **harvesting** *peas.* 027849
The location of catalase and peroxidase in **isolated** *pea* chloroplasts and their fragments. 027135
Influnce of SO2 [sulphur dioxide] on the vitamine content of plants [Tomato, *pea,* **lettuce].** 027115
Presence of displacement loops in the covalently closed circular chloroplast deoxyribonucleic acid from higher plants *[Peas,* **maize].** 026629
Variation of apical-meristem cell size in **mutant** *peas.* 026147
Nuclear fusion in intergeneric heterokaryons. A **note** *[Peas].* 026111
A class of lectins present in the tissues of seed plants [Leeks, rape, **pigeon** *peas].* 026386
Precipitation reactions between components of plant tissue extracts [Jackbeans, kidney beans, **pigeon** *peas].* 027123
The fungus-host interface [Erysiphe **pisi,** *peas].* 027981
Estimates of [genetic] variability in some quantitative characters of *pea* **(Pisum** sativum L). 026181
Estimation of ethylene produced by *pea* **(Pisum** sativum L.) plants inhibited with auxin and treated with cytokinin. 027126
Intracellular distribution and multiple molecular forms of ribonucleases in *pea* **(Pisum** sativum) seedlings. 027288
The effect of distant nodulation on the activity of nodules in *pea* **(Pisum** sativum L.) and dwarf kidney bean (Phaseolus vulgaris L.). 027290
Effect of electric potential on spontaneous ultraweak chemiluminescence of **plants** *[Peas].* 027165
Stimulation and inhibition reactions in *[pea]* **plants** infected by Corynebacterium fascians (Tilford) Dowson. 028144
Genetic correlations of characters in *pea* **pod** Pisum sativumL. 026153
Influnece of the culture method on the phytohormone excretion of *pea* **roots.** 027127
The steroespecificity of biosynthesis of squalene and beta-amyrin in Pisum **sativum** *[Peas].* 027258
The quiescent centre in excised roots of Pisum **sativum** L. *[Peas].* 027283
Carnitine content of *pea* **seedling** cotyledons. 027241
Regulation of activity of glutamine synthetase from *pea* **seeds** by keto acids and AMP [adenosine-5'-monophosphate]. 027134
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, *peas,* **spinach].** 026905
Inhibitory action of pisatin [a phytoalexin from *peas]* on **spore** germination of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Effect of soil placement and shoot uptake of prometryne and **terbutryne** on *peas.* 028600
Phytochrome intermediates in freeze-dried **tissue** *[Peas].* 027279
Effect of vitamin K3 on photosynthetic electron **transport** *[Peas].* 027132
Is polyploidy necessary for tissue differentiation in higher plants? [Sunflowers, *peas,* **wheat].** 025940

PEASANTS
African *peasants* and resistance to change: a reconsideration of sociological approaches. 021101
Serf-peasant **commodity** production in the first half of the 19th century. 021070
Peasant **economy** and collective farming according to the opinion of J. Tepicht. 021323
Poverty and *peasants* in the **Rioja** 1883-1910. 021075
Some characteristics of *peasant* **viticulture** in Hungary during the 18th to 19th centuries. 027655

PEAT
Anomalous transmission of water through **certain** *peats*—a discussion. 030231
Potting substrates in the Netherlands **[Composts** with *peat].* 030405
Fritted trace elements (F.T.E.) as a basic **fertilizer** for *peat.* 030400
Peat as a **forcing** medium for tulips. 027621
Symposium on *peat* in **horticulture,** Noordwijk, 7-11 April 1975. 027633
Improvement of substrate preparation from *peat* **hydrolyzates** [for growing feed yeasts]. 023032
Effect of **liming** *peat-bog* soils on change in their agrochemical indices and crop yields. 030557
Effect of potassium fertilizers on the intensity of microbiological processes and fertility of **lowland-type** *peat-bog* soils. 030626
The preparation of artificial soils based on *peat* **materials** for [horticultural plant] growing under glass and plastics. 027644
The use of slow release fertilizers in pot plant production [on *peat* and its **mixtures** with compost]. 030407
Effect of manganese and sulphur fertilization on growth and yield of onions grown on alkaline low **moor** *peat* soil. 030395
Muddy *peat* algae of Finnish raised bogs. 025862
Peat and other **organic** materials repeatedly used for greenhouse grown vegetables. 027620
Peat, **[Pseudotsuga** menziesii] bark and sawdust mixtures fornursery substrates. 030403
Copper deficiency in Pinus radiata in a *peat* **soil** nursery. 028396
Investigation of trace elements uptake by plants on *peat* **soils** at Keszthely. IV. [Field crops]. 026886
Study of the nature of filtration flow instability in *peat* **soils.** 030294
On fertilizing forage beets during the first years of development of *peat* **soils** in the western Ukrainian Polesye. 030562
Subsidence of *peat* **soils** under hydraulic fills [Drainage]. 030690
The demands set by programmed watering and feeding [of plants] on the growing medium *[Peat,* **Sphagnum** moss]. 027636
The use of **Sphagnum** *peat* and brown coals for growing plantsin hydroponic containers. 027648
Fertilizing and liming—factors influencing uptake of trace elements by ornamental plants grown in *peat* **substrate.** 027075
Peat **substrate** as a growing medium for cucumbers. 027622
Micronutrient requirements of chrysanthemums grown on *peat* **substrates.** 027079
Analytical methods for *peat* **substrates** [used in growing of horticultural plants]. 027589
Growing [glasshouse] tomatoes in *peat* **substrates.** 027606
Flower crops in *peat* **substrates.** 030399
Use of slow-release fertilizers in *peat* **substrates** [for growing horticultural crops]. 030408
Nutrition of greenhouse cucumbers on *peat* **substrates** [Mineral fertilizers]. 030489
The use of fertilized and **unfertilized** *peats* of different origin for rooting cuttings [of ornamental trees and shrubs]. 027647
Application of differential thermal anaysis to *peat* **waxes.** 1. Long-chain alcohols, acids, triglycerides, and esters of stearic acid. 030265
Application of differential thermal analysis to *peat* **waxes.** 2. Montan wax and New Zealand peat waxes. 030266

PEATLANDS
Streamflow chemistry and nutrient yields from *upland-peatland* **watersheds** in Minnesota. 025022

PECANS
Carbohydrate relations of *pecan* **[Carya** illinoensis (Wang.) K. Koch) stem cuttings. 027107
Pecan **[Carya** illinoiensis] varieties for Georgia. 027815
Pecan tree **[Carya** *pecan]* in Tadzhikistan. 027845
Blacklight traps to control hickory shuckworm [Laspeyresia **caryana]** on *pecan.* 028883
Bird and animal damage **control** in *pecans.* 028411
Hickory shuckworm [Laspeyresia caryana]: biology, life history, and **control** *[Pecans].* 028884
Nutrient removal in nut harvest **['Farley'** *pecans].* 027219
Field station research: 1975 [U. S. *Pecan* **Field** Station]. 027813
Substitutes? Overcoming competition! *[Pecans,* **marketing].** 021606
Preliminary studies on the incidence of molds on *pecan* **nuts** during harvesting and drying [Aspergillus flavus, Aspergillus parasiticus]. 028039
Legumes in *pecan* **orchards.** 027814
Blacklight lamp provides alternatives to insecticides [Laspeyresia caryana, *pecan* **pest** control]. 028882
Direction of *pecan* **research** and major goals and objectives in Georgia. 021782
Hot water treatment improves bud-take *[pecan* **scionwood].** 027812
Mycoflora of *pecans* **treated** with heat, low temperatures, or methyl bromide for control of the pecan weevil [Curculio caryae]. 028057
Pecan **tree** [Carya pecan] in Tadzhikistan. 027845
Operation and care of spray equipment for *pecan* **trees.** 030109
Pecan **[variety]** shuck dehiscence dates under southwest Georgia conditions. 027816
Mycoflora of pecans treated with heat, low temperatures, or methyl bromide for control of the *pecan* **weevil** [Curculio caryae]. 028057
The use of polyvinyl acetate as a barrier to the *pecan* **weevil** larvae [Curculio caryae, control]. 028885
Economics of establishing **young** *pecan* orchards [Costs, returns]. 021423

PECTINOPHORA
Dispersal and mating in the field by male pink bollworm, *Pectinophora* **gossypiella,** labeled with 32P [phosphorus isotope]. 026952
Influence of genetic selection on diapause termination of the pink bollworm *[Pectinophora* **gossypiella].** 028708
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), sex attractant of the cotton moth *[Pectinophora* **gossypiella,** control]. 028795
The economic threshold of infestation for the cotton bollworms *[Pectinophora* **gossypiella,** Earias insulana] on yield in Egypt. 028801
Attractants for **monitoring** *Pectinophora* scutigera and related species in Australia [Cotton]. 028725

PECTINS
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by *pectolytic* **enzyme,** endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
The effect of various factors on the production of *pectolytic* **enzymes** by Verticillium dahliae Kleb. [Cotton wilt]. 028027
Effect of native carbon sources and pH [hydrogen-ion concentration] on the *pectolytic* **enzymes** of Alternaria solani and Alternaria tenuis. 028078
Pectins as **potential** by-products of coffee waste. 022493
Automation of uronic acid titration by the carbazol method: Application to the case of *pectic* **substances.** 022380

PECTOBACTERIUM
Resistance of potato tubers during storage to *Pectobacterium* **phytophthorum.** 028141

PECTOLYTIC ***see*** **PECTINS**

PECTORAL
Myopathy of the **deep** *pectoral* muscle in broiler breeder hens. 024820
The effect of dietary fatty acids on fatty acid distribution of lipids in neck adipose pads and **superficial** *pectoral* muscle of chicks. 023783

PEDICULARIS
The pollinaton ecology of *Pedicularis* **(Scrophulariaceae)** in the Yukon Territory. 026357

PEDIOBIUS
Suppression of Mexican bean beetle [Epilachna varivestis] on soybeans with annual inoculative releases of *Pediobius* **foveolatus.** 028738
Laboratory rearing of the Mexican bean beetle [Epilachna varivestis] and the parasite, *Pediobius* **foveolatus,** with emphasis on parasite longevity and host-parasite ratios. 028850

PEDUNCLE
Effects of B995 application on double cosmos (Cosmos bipinnatus) with special reference to the inhibition of *peduncle* **elongation.** 027145

PEELS
Peeling of **Chinese** waterchestnuts [Eleocharis dulcis]. 022935
Respiration rate of the mango **fruit** *peel* and its association with bacterial black spot [Erwinia mangiferae]. 028129
Rapid process for *peeling* **mangoes.** 022976

PELARGONIDIN
Kinetics of the thermal degradation of the **anthocyanins** *pelargonidin-3-glucoside* and cyanidin-3-glucoside [Food research]. 022522

PELARGONIUM
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in geranium *[Pelargonium]* **grown** on alluvial soils of the Colchis lowland. 026837
Interrelations between sulphur dioxide pollution and stomatal movement in *Pelargonium* X **hortorum:** effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Certain peculiarities of growing geranium *[Pelargonium]* on **meadow** soils of the Gissar Valley in relation to the utilization of nitrogenous fertilizers. 030534
Factors affecting flowering in Regal **Pelargonium** *(Pelargonium* x Domesticum Bail) [Temperature, light]. 027600
Multiphase kinetics of 3-O-methyl-D-glucose absorption by foliar disks of *Pelargonium* **zonale** (L.) Aiton. 026703
Specific increase, by X-rays, of dark carbon dioxide outputfrom leaves of *Pelargonium* **zonale** L. 027153

PELLETIZATION
Mechanisms of *pellet* **formation** of Aspergillus niger [fungi]with an additive. 026641
Analysis of hops and *pellets* from **hop** preparations. Simplification of extraction method. 022398
Technical solutions for processing straw and other dry fodders into *pelleted,* **partially** finished feeds. 023009
Observations on the effects of different *pelleting* **processes** on the laboratory germination and field emergence of sugarbeet seed. 026960
The methodology of determining the sowing quality of *pelleted* **seeds** [of vegetables]. 021970
Improvement of surface sowing in grassland establishment. V. Making *pelleted* **seeds** with pelleter and its effects on early growth of pasture species. 027463
Field emergence and laboratory germination tests with *pelleted* **sugarbeet** seed. 026959

PELLICULARIA
Evaluation of chemical products in the control of *Pellicularia* **koleroga** Cke. [Coffee fungus disease]. 028090
Isolation and identification of jinggangmycins [from Streptomyces hygroscopicus against *Pellicularia* of **rice].** 027885
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on cell permeability of *Pellicularia* **sasakii** [Rice, sugarbeets]. 027903
Studies on the forecasting techniques of sheath blight *[Pellicularia* **sasakii]** of rice. 027905

PELTIGERA
The phenolic constituents of *Peltigera* **aphthosa** [Lichenes]. 026768

PELVIS
Orthopaedic disease affecting the *pelvic* **region** of the cat [Injuries]. 024977
Possibility of reducing calving difficulties by selection. III. A note on *pelvic* **size** in relation to body weight of cattle. 024018
Prenatal development of the autonomic innervation to the *pelvic* **viscera** in ox (Bos taurus). 023444

PENETRATION
Penetration of **host** IgG [Immunoglobulin G] molecles into hydatid cysts [Mice, gerbils]. 024790
Penetration of **oil-borne** [wood] preservative in American elm [Ulmus americana]. 025477
Penetration of **plant** viruses into isolated tobacco leaf protoplasts. 028241

PENICILLIUM
Action of magnetic and electric fields on the growth and mutation rate of various microorganisms [Escherichia coli, bacteria, *Penicillium* **chrysogenum,** fungi]. 026370
Conditions for induced fusion of fungal protoplasts in polyethylene glycol solutions *[Penicillium* **chrysogenum].** 026376
Secondary structure of nuclease P1 [from *Penicillium* **citrinum,** fungi]. 026347
The influence of glucose on simazine decomposition [by *Penicillium* **citrinum** in soil]. 030171
On the resistance to benomyl of fungi isolated from bulbs and corms *[Penicillium,* **Erythronium,** Fusarium oxysporum]. 027882
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after foliar application of Benomyl [Systemic fungicides, *Penicillium* **expansum].** 028056
Instability of patulin in Cheddar cheese *[Penicillium* **patulum].** 021927
Sterol-binding polysaccharides of Rhizopus arrhizus, *Penicillium* **roquefortii** and Saccharomyces carlsbergensis [Fungi]. 026763
Chemical composition of the hyphal wall of a toxigenic fungus, *Penicillium* **rubrum** stoll. 026646
Secondary metabolites of *Penicillium* **stipitatum** Thom. [Fungi]. I. Substances of tropolone character. 026417
The effects of *Penicillium* **waksmani** growth on American foulbrood infected combs and adult honeybee activity [Apis mellifera, Bacillus larvae]. 029842

PENNISETUM
The nutritive value of Kikuyu grass, *Pennisetum* **clandestinum,** in the wet upper montane region of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. 023723
Tetrapion: evaluation for the control of rhizomatous grasses *[Pennisetum* **clandestinum,** Agropyron repens, Cynodon dactylon, Agrostis tenuis] and toetoe [Cortaderia fulvida]. 028571
The effect of two pathogens [Adelina, RNA virus] on a black beetle [Heteronychus arator] population in Kikuyu *[Pennisetum* **clandestinum]** pasture. 028784
Changes in cell-wall carbohydrates and lignin of some forage-type millets [pearlmillet, durra, *Pennisetum* **purpureum]** asaffected by growth stage. 026985

PENS
Comparison of *pen* and **paddock** systems for the pedigree mating of sheep. 024178
Studies on all season management of beef cattle with the *non-pen* **system.** 2. Winter feeding of heifers with only a hay supply and their compensational growth in spring. 023875

PENTACHLOROPHENOL
A comparison of analytical methods for chlorodibenzo-p-dioxins **[contamination]** in *pentachlorophenol.* 029104

PENTAGASTRIN
The in vivo metabolism of [14C [carbon isotope]] histamine during *pentagastrin-stimulated* **acid** secretion in the cat. 023555

PENTATOMIDAE
Jugalpada—a new genus of **Halyini** *(Pentatomidae,* Heteroptera). 029614
Effects of developmental photoperiod on adult morphology in Euschistus tristigmus tristigmus (Say) **(Hemiptera:** *Pentatomidae).* 029218
Effect of the new insecticide PDD 60-40 on nymphs and adults of the cabbage bug Eurydema oleraceum L. **(Heteroptera,** *Pentatomidae).* 028898

PENTOBARBITAL
Increased sensitivity to *pentobarbital* in **rats** fed a diet lacking flavonoids. 022084

PENTODONTINI
Monograph of Dynastinae (Coleoptera, Melolonthidae). 4. Tribe: *Pentodontini* of the **Ethiopian** Region. II. [New taxa]. 029566

PENTOSANS
Gas chromatographic determination of *pentosans* in **plant** raw material [Wood]. 025308

PENTOSES
Development and intracellular distribution of enzymes of the **oxidative** *pentose* phosphate cycle in radish cotyledons. 027266

PEPEROMIA ***see*** **PIPERACEAE**

PEPPER
Black spot: a nonparasitic disease of **bell** *pepper* fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. 028417
Inertial removal of **bell** *peppers* with a vertical snapping motion produced by a double crank mechanism. 030144
Incidence and state of adulteration of commonly consumed spicies in Bombay City. II. Mustard, **black** *pepper* and asafoetida. 021903
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and *sweet-pepper* **(Capsicum** annuum L.). 027598
Ultrastructural changes in *pepper* **cells** in interactions with Phytophthora capsici (isolate 18) and Monilinia fructicola. 028063
Mosaic [virus] and little leaf of **chili** *pepper.* 028271
Influence of the water status on the growth and fruit setting of *pepper* and **eqqplant** in protected cultivation. 027612
Capsidiol induction in *pepper* **fruit** during interactions with Phytophthora capsici and Monilinia fructicola. 028049
Study on some characteristics of *pepper* **hybrids.** 026242
An unusual new virus, possibly of the potyvirus group, from *pepper* in **Nigeria.** 028259
Determination of the optimum sowing date for eggplant and **sweet** *pepper* grown in the Sudan for export. 027597
Phosphorus fertilizer studies with Capsicum annuum L. **(Sweet** *pepper).* 030404

PEPPERMINT
Effect of age of plant on the quality of essential oil of *peppermint* **(Mentha** piperita Linn). 026607

PEPSIN
Rennet, **rennin** and *pepsin.* 022632
Significance of **serum** *pepsinogen* and abomasal pH [hydrogenion concentration] levels in a field infection of Ostertagia circumcincta in lambs. 024755

PEPTIDES
Relations between structure and bitter taste of amino acids and *peptides.* I. **Amino** acids and related compounds [in food]. 022553
Antigenic structure of the cyanogen **bromide** *peptide* F-CB3 from [bovine] fibrinogen alpha-chain. 023391
Changes in amino acid and *peptide* **compositon** of Euglena gracilis [Algae] cells during chloroplast development. 026796
Chymodein, a **duodenal** *peptide:* specific stimulation of chymotrypsinogen secretion [Rabbits]. 023202
Determination of *peptides* in **fish** and fish products. II. Application of a turbidimetric method for the determination of polypeptides in trichloroacetic acid fish meal extracts. 022521
The protein, *peptide* and **free** amino acid composition in some species of Laurencia from Saurashtra coast [Algae]. 026808
Peptides in **higher** plants. I. The conformation of frangulanine [Hovenia dulcis]. 026513
Peptide **hydrogen** exchange rates in Streptomyces subtilisin inhibitor. A study by proton magnetic resonance [Yeasts]. 026411
Humoral transmission of sleep. IX. Activity and concentration of the **sleep** *peptide* delta in cerebral and systemic blood fractions [Rabbits]. 023608
Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of *peptides* **split** by cyanogen bromide. 023311

PERCEPTION
Deficits in binocular **depth** *perception* in cats after alternating monocular deprivation. 023652
Perception of and **preference** for the extension job by the agricultural university personnel. 021112
Water **quality** *perception* by users: can it supplement objective water quality measures? 030786

PERCHLORATES
Effects of **ammonium** *perchlorate* on cattle growth and meat quality. 023956

PERCOLATION
Hydrogeothermal methods of studying the *percolation* **properties** of soils of the zone of aeration. 030385
Mathematical description of the process of filtration during **vertical** *percolation* [Wood hydrolisis]. 025312

PERENNIAL
Problems in the intensification of *perennial* **forage** plants. 027552
Chemical weed control of seed plantings of *perennial* **grasses.** 028626
Study of [seed] mixtures for hydrosowing *[Perennial* **grassesand** legumes, soil stabilization on slopes]. 030609
Green Isle—a promising new variety of *perennial* **ryegrass** [Lolium perenne]. 027406
Kentucky bluegrass [Poa pratensis] and *perennial* **ryegrass** [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. 028069
Liming effects on the toxicity to *perennial* **ryegrass** [Lolium perenne] of a sewage sludge contaminated with zinc, copperand chromium. 028360
Wild oat control in Kentucky bluegrass [Poa pratensis] and *perennial* **ryegrass** [Lolium perenne]. 028625
Late **summer** *perennials* [Varieties of ornamental plants]. 027809
A new method for **treating** *perennial* fruit trees with chemical mutagens. 026217
Potential new systems for *perennial* **tropical** fruit crops. 027624

PERFORATIONS
Oscillating screen motion effect on the particle passage through *perforations* **[Chickpea** seed]. 030146
Perforation and **lysis** of fungal spores in natural soils [Cochlioobolus sativus, cereals, root-rot]. 027976

PERFUSION
Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, *ex-vivo-perfused,* **canine** stomach. 023614
Effect of glucagon on myoelectrical and mechanical activity recorded from the isolated **homologous** *perfused* canine stomach. 023258
The role of H1 and H2-receptors in the coronary vascular response to histamine of **isolated** *perfused* hearts of guinea-pigs and rabbits. 023334
Metabolism of environmental pollutants by the **isolated** *perfused* lung [Rabbits]. 030890
Two phases of chorda-lingual induced vasodilatation in the cat's submandibular gland during **prolonged** *perfusion* with Locke solution. 023557
Total cardiopulmonary bypass in the rabbit. Techniques and action of **pulsatile** *perfusion* pressure frequency on the hemodynamic parameters. 023559
Nitrification of [anaerobically digested] sewage sludge [in soil] using miscible displacement and *perfusion* **techniques.** 030822

PERGA
Convective and evaporative cooling in sawfly larvae *[Perga* **dorsalis,** Eucalyptus]. 028946

PERIANAL *see* **ANAL**

PERICARDITIS
Surgical treatment of *pericarditis* **traumatica** in a cow by thoraco-pericardiotomy. 024323

PERICARDIUM
Renal failure associated with *pericardial* **effusion** in a dog. 024854

PERIDERM
A new tissue essential to **necrophylactic** *periderm* formation in the bark of four conifers [Abies, Tsuga heterophylla, Thuja plicata]. 025974

PERIODONTAL
Proteins of the periodontium: Identification of collagens with the [alpha1(I)]2alpha 2 and [alpha(III)]3 structures in **bovine** *periodontal* ligament. 023484

PERIPHERAL
Suppression of cerebellar evoked potentials by a *peripheral* **action** of diphenylhydantoin [Cats]. 023264
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in *peripheral* **blood** plasma of the cow [Cattle]. 024138
The management of *peripheral* **employees.** 022278
Imbalance between the centre and *periphery* and the **"employment** crisis" in Kenya [Includes agriculture]. 021195
Central and *peripheral* **neural** respiratory activity in the mature sheep foetus and newborn lamb. 023649
Immune plasma-dependent cytotoxicity of immune and **non-immune** *peripheral* lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530
Relationship between the binding constants of specific testosterone binding plasma proteins and *peripheral* **plasma** concentrations of testosterone and LH [luteinizing hormone]. 024052
Influence of environmental heat on *peripheral* **plasma** progesterone and cortisol during the bovine estrous cycle. 024100
Histamine receptors in *peripheral* **vascular** beds in the cat. 023325

PERIPLANETA
Culture of embryonic cells and hemocytes of cockroaches *[Periplaneta* **americana]** of parthenogenetic origin. In vitro maintenance of haploid and aneuploid formulas. 029351
Factors promoting vitellogenic competence and yolk deposition in the cockroach *[Periplaneta* **americana]** ovary: the postecdysis female. 029411
Possible biochemical explanation for specific reformation of synapses between muscle and regenerating motoneurones in cockroach *[Periplaneta* **americana].** 029459

PERIPLOCA
Flavonoids of the main stems of *Periploca* **graeca** grown in controlled environment. 026737
Flavonoids of the vegetative stems of *Periploca* **graeca.** 026738
The role of phenylalanine in the biosynthesis of flavonoids and cinnamic acids in the twining stems of *Periploca* **graeca.** 026769

PERITONEUM
Comparative toxic effect of the surface lipid of Corynebacterium ovis [in sheep] on *peritoneal* **macrophages.** 024570

PERITONITIS
The "reticular grunt" test for **traumatic** *reticulo-peritonitis* [Cattle]. 024827

PERKINSIELLA
Transportation and culture of Tytthus mundulus [egg predator of the sugarcane leafhopper, *Perkinsiella* **saccharicida** in Australia]. 028756

PERLA
Structure and function of the respiratory epithelium in the tracheal gills of stonefly larvae *[Perla.* **Protonemura,** Taeniopteryx]. 029419

PERLITE
Incombustibility of fire-retardant [fiber] boards made of pulp **sludge** and *perlite.* 025430

PERMEABILITY
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on **cell** *permeability* of Pellicularia sasakii [Rice, sugarbeets]. 027903
Effect of ascorbic acid deficiency on the *permeability* and **collagen** biosynthesis of oral mucosal epithelium. 022033
Change in *permeability* of **erythrocyte** membranes in rodents caused by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. 022133
The effect of 2,4-D on the *permeability* of **plant** tissues [Beans]. 028356
Studies on the effects of alcohols on membrane **water** *permeability* of Nitella [Algae]. 026822
Water *permeability* during tomato fruit development in normal and rin nonripening mutant. 027274

PERONOSPORA
Studies on lignin formation in fungus [Alternaria japonica, *Peronospora* **parasitica]-infected** plants. 027904
Field resistance of tobacco varieties and hybrids to downy mildew *[Peronospora* **tabacina].** 028100
Mildew *[Peronospora* **trifoliorum** manshurica] of soybeans. 028003

PEROSIS
Mass incidence of *perosis* in **chickens.** 024922

PEROXIDASES
Multiple molecular forms of catalase, *peroxidase* and **acid** phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). 028276
Rough lemon tree decline [Phytophthora] *peroxidase* **activity,** isoenzymes and respiration rate of the leaves. 027892
The isozymic similarity of indoleacetic acid oxidase to *peroxidase* in **birch** and horseradish. 027338
Genetic polymorphism of izoenzymes of *peroxidases* and **esterases** in Populus deltoides Bartr. 027341
Evidence for direct projections between the ponto-mesencephalic tegmentum and the visual cortex in the cat as revealed by the **horseradish** *peroxidase* technique. 023350
Evidence for direct projections from the hypothalamus to the lateral geniculate and occipital cortex of the cat as demonstrated by **horseradish** *peroxidase* technique. 023409
The location of catalase and *peroxidase* in **isolated** pea chloroplasts and their fragments. 027135
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and **lipid** *peroxidation* in young growing rats during the treatment of insecticides. 024944
Amino acids, phosphatase and *peroxidase* in **nectary** glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
The effect of Carbowax 4000 on the activity of *peroxidase* and **polyphenol** oxidase enzyme extracts from citrus leaves [Lemon disease]. 028320
Peroxidase **reactions** and orange juice quality. 022936
Identification of genomes and chromosomes involved in *peroxidase* **synthesis** of wheat seeds. 026110
Properties of *peroxidases* from **tobacco** cell suspension culture. 027009
Proton magnetic resonance studies of *peroxidases* from **turnip** and horseradish. 027139

PEROXIDES
Isolation of **ergosterol** *peroxide* from Alternaria dianthicola [Fungi]. 026385
Hydrogen *peroxide* bleaching of marinated herring. 022501
Effects of H2O2 **[hydrogen** *peroxide]* and oxidation-reduction enzymatic systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. 022625
Detection of H2O2 **[hydrogen** *peroxide]* in ultrahigh temperature milk. 022642

PERSEA
Observations on vegetative propagation of **avocados** *(Persea* americana) at Thika. 027618

PERSIMMON
Studies on **canning** of *persimmon.* 022971
Physiological studies of developing and ripening fruit of the **Japanese** *persimmon.* III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during cell division. 027298
Studies on the canning of **non-astringent** *persimmon* (Buyu: Diospyros kaki. L.) produced in Korea. 022975

PERSONNEL
An analysis of salaries and *personnel* **characteristics** in the fruit industry of northcentral Washington. 022887
Functions of **dietetic** *personnel* in ambulatory care. 022123
Recording of work load of **forest** *personnel,* methodological problems and recommendations. 025089
Perception of and preference for the extension job by the agricultural **university** *personnel.* 021112

PESTICIDES
Determination of meta polymer of **acetaldehyde** in *pesticides.* 029078
Maximum **admissible** *pesticide* residues in food products. 021985
In-service storing of *pesticides* for **agricultural** enterprises. 029145
Plant protection substances and residues *[Pesticides,* **agricultural** products]. 029154
Technology assessment on the use of *pesticides* [In **agriculture].** 029097
Tetranactin, a *pesticidal* **antibiotic** [Control of insect andmite pests of plants]. 028373
Control for crop protection *[Pesticides,* **application,** Armenia]. 029186
Pesticide **applicators** need 1976 certification. 030125
Licencing of *pesticides,* **April-July** 1975. 029101
A study on resistance development of the American bollworm [Heliothis **armigera]** to some *pesticides.* 028787
Transport mechanisms for *pesticides* in the **atmosphere.** 029178
The development of agricultural antibiotics **[biodegradable** *pesticides]* in Japan. 029098
Circulation of *pesticides* in the **biosphere.** 029167
1974 evaluation of **candidate** *pesticides.* Fungicides: upland[fruit] crops. 027994
1974 evaluation of **candidate** *pesticides.* Fungicides: fruit trees. 027995
1974 Evaluation of **candidate** *pesticides.* Insecticides: rice. 028759
1974 evaluation of **candidate** *pesticides.* Insecticides: upland [horticultural] crops. 028876
1974 evaluation of **candidate** *pesticides.* Insecticides: deciduous fruit trees. 028877
Analysis of *pesticides* by **chemical** derivatization. I. A new procedure for the formation of 2-chloroethyl esters of ten herbicidal acids. 029115
Forerunners of *pesticides* in **classical** Greece and Rome [Plant protection]. 028377
Catalytic dechlorination of organochlorine *[pesticide]* **compounds.** I. DDT. 029086
Air sample studies for measurement of *pesticide* **contamination** from storage areas. 029084
Farmers' expenditures for **custom** *pesticide* services, 1971. 021361
Pollination and environmental conservation **[Effects** of *pesticides].* 029094
Use of biological tests for **evaluation** of *pesticides.* 029179
The use of biological tests for the **examination** of *pesticides.* 029176
An attempt to assess the toxicity of *pesticide* **formulations** to honeybees [Apis mellifera] foraging on caged apple trees. 029113
Gas-liquid chromatographic determination of naled in *pesticide* **formulations.** 029132
The chronic toxicity of methiocarb *[pesticide]* to **grackles,** doves, and quail and reproductive effects in quail. 029089
Illicitly **high** *pesticide* residues in forest berries [and mushrooms]. 021977
Human *pesticide* poisonings by a fat-soluble organophosphate insecticide. 029081
The future of the development of *pesticides* by **industry.** 029175
Chemical treatment of potatoes in seed plots *[Pesticide* **injuries].** 028455
A rainfall simulator for *pesticide* **leaching** studies. 029183

Evaluation of the possible impact of *pesticide* **legislation** on research and development activities of pesticide manufacturers. 029147
Pesticide **license** [Greenhouse operators]. 029091
Evaluation of the possible impact of pesticide legislation on research and development activities of *pesticide* **manufacturers.** 029147
Acute toxicity of *pesticide* **mixtures** to bluegills [Fish]. 029083
Microbial **modification** of *pesticides.* 029103
Study on residual life of *pesticides* **on/in** vegetable crops. 029166
Microbial degradation of synthetic **organic** *pesticides* in rice soils. 029102
Organochloric *pesticides* in milk of Haute-Vienne in spring 1974. 029143
Organochloride *pesticide* residues in milk and dairy products (1973-1974 balance). 029079
Studies on **organochlorine** *pesticide* residues in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. 021963
Ascorbic acid requirements and metabolism in relation to **organochlorine** *pesticides* [Toxicity, animals]. 023241
Organochlorine *pesticide* residues in human milk, Western Australia—1970-71. 029151
Organochlorine *pesticide* residues in small migratory birds, 1964-73 [in Florida]. 029152
Comparative study of methods for the extraction of eleven **organophosphorus** *pesticide* residues in rice. 021910
The effect of atmospheric levels of *pesticides* on **pesticide** residues in rabbit adipose tissue and blood sera. 024945
Evaluation [Determination of **phenylamide** *pesticides].* 029128
Factors that affect the persistence of *pesticides* in **plants** and soils. 029169
Studies on **potential** *pesticides.* VI. Synthesis and insecticidal activity of several new dithiocarbamates [Musca domestica]. 029017
Research on **quality** of *pesticides.* 029165
Repellent additives to **reduce** *pesticide* hazards to honeybees [Apis mellifera]: laboratory testing. 029824
New sanitary **regulations** *[Pesticides].* 029188
Effects of *pesticides* and **related** compounds on steroid metabolism and function. 029092
Evaluation *[Pesticide* **residue** analysis]. 029129
IUPAC [International Union of Pure and Applied Chemistry] Commission on the development, improvement, and standardization of methods of *pesticide* **residue** analysis. 029134
Determination of *pesticide* **residue** in crops by means of neutron activation technique. 029161
Problems and aspects of present-day *[pesticide]* **residue** analysis. 029172
The effect of atmospheric levels of pesticides on *pesticide* **residues** in rabbit adipose tissue and blood sera. 024945
Thoughts on the problem of *pesticide* **residues** in agriculturee. 029080
Toxicological decisions and recommendations resulting from the safety assessment of *pesticide* **residues** in food. 029093
Evaluation: Lindane *[Pesticide* **residues].** 029124
IUPAC [International Union of Pure and Applied Chemistry] Commission on terminal *[pesticide]* **residues.** 029135
Pesticide **residues** in Total Diet samples. VIII. 029153
Research on *pesticide* **residues** in food. 029162
Research on *pesticide* **residues** in the environment. 029163
Research on *pesticides* **residues** in exported commodities [Food]. 029164
Pesticide **residues** in some Baltic animals—a review of selected literature. 029171
Rational and **safe** use of *pesticides.* 029189
KA-26 helicopter in agriculture *[Pesticide* **spraying** and fertilizer application]. 030165
Use of *pesticides* under **strict** analytical control. 029190
Toxicity of organophosphorus **systemic** *pesticides* to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
Primary liver carcinogenesis in rats after feeding with the *pesticide,* **2-(4-tert-butylphenoxy)-1-methylethyl** 2-chloroethyl sulphite (Aramite). 029090
Some effects of lindane on the microsomal enzymes of the rat liver *[Pesticides,* **toxicity].** 029100
Progress in *pesticide* **toxicology** in the USSR. 029173
Express method of determining quality of seed **treatment** [with *pesticides].* 029187
Guidelines for the disposal of small quantities of **unused** *pesticides.* 029148
The value of **worldwide** *pesticide* residue monitoring systems. 029177

PESTS

Tetranactin, a pesticidal antibiotic [Control of insect **andmite** *pests* of plants]. 028373
European rabbit invades western Argentina **[Animal** *pests].* 028387
Survival of hemispherical scale [Saissetia coffeae, a *pest* of **Aphelandra** squarrosa] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticdes. 028853
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with sex pheromone traps **[Apple** *pests].* 028827
Faunal characterization of cotton fields agrogeobios in the Murgab oasis **[Arthropa,** including *pests].* 029601
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: Miridae), a predator of **arthropod** *pests* on ornamentals. 028814
Aphids as components of the cotton field **biocenosis** *[Pests].* 028803
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, *pests,* **biological** control, polyhedrosis virus]. 029798
A comparison of the reproductive patterns of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: Aphididae) **[Broadbean** *pests].* 028715
Free yourself from *pests* by making **calculations** for maize. 028355
Raphidia (Mongoloraphidia) mirabilis n. Sp.—a new **camel** *pest* from Tadzhikistan. 029586
Extension of bacterial rodenticides **[Cereal** *pests,* control]. 028466
Plant protection and industry [Ground squirrels as **cereal** *pests,* control]. 028475
Agrotechnical measures for control of Eurygaster integriceps **[Cereal** *pests].* 028802
Investigations on the biology, distribution, economical importance and possibilities of chemical control of Syringopais(=Scythris) temperatella Led. (Lepidoptera: Scythridae) in Denizli *[Pest* of **cereals].** 028794
Chemical method as a component of integrated system of **contrlling** *pests* and diseases. 028669
Biological method: achievements and prospects [Plant diseases and *pests,* **control].** 028459
Introduction of low-volume spraying [Disease and *pest* **control** of fruit trees and grapes]. 028472
Organization of prognoses and localization in Bulgaria [Plant diseases and *pests,* **control].** 028474
Protection of cucumbers in greenhouse conditions [Disease and *pest* **control.** 028478
Proceedings of the twenty-eighth New Zealand Weed and *Pest* **Control** Conference, Angus Inn, Hastings, August 5 to 7, 1975. 028566
Activity of juvenile hormone analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth [Porthetria dispar, *pest* **control].** 028644
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the sperm on F1 egg development [Apples, *pest* **control].** 028865
[Insect] *pest* **control** in the dry milk industries. 028977
Effectiveness of carbofuran [insecticide] as seed treatment for **controlling** *pest* complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Cotton *pest* management [Insects]. 028744
Boll weevil [**cotton** *pests,* control]: survival in hibernation cages and in surface woods trash in central Texas. 028748
Phenotypic deviants in the ebony genotype in the boll weevil **[Cotton** *pests,* control] [Anthonomus grandis]. 028752
Cooperation of science and production [Integrated control of **cotton** *pests].* 028762
Low-volume spraying of stands with dendrobacillin [for biological control of lepidopteran **cotton** *pests].* 028763
Progressive methods of **cotton** *pests* control. 028764
[Chemical] preparations against aphids **[Cotton** *pest* control]. 028767
Baits for the control of the hairy-footed gerbil, Gerbillusgleadowi *[Pests* of **crops].** 028458
On variation of preoviposition period in Utetheisa pulchella L. (Lepidoptera, Arctiidae) *[Pest* of **Crotolaria** juncea]. 028686
Timely problems of forest protection from *pests* and **diseases** [in Poland]. 025050
The *pests* and **diseases** of the rose bush [Rosa]. 028362
Complex protection of sugarbeets [against **diseases** and *pests].* 028461
Prognosis for 1975 [Plant **diseases** and *pests].* 028477
Relative toxicity of some important insecticides to the adults of lacewing bur Urentius echinus Distant (Heteroptera: Tingidae) **[Eggplant** *pests].* 028846
Natural enemies as a control agent of [insect] *pests* and the **environmental** complexity from the theoretical and experimental points of view. 028648
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a radial temperature gradient [Dried **fish** *pest].* 028973
Some observations on the Japanese field vole, Microtus montebelli (Milne-Edwards) in captivity. I. Postnatal growth and development **[Forest** *pests].* 025016
Effects of daylength over one complete and a partial succeeding generation on development in Neodiprion sertifer (Hymenoptera: Diprionidae) **[Forest** *pests].* 028929
Control of **forest** *pest* insects by viruses [Dendrolimus spectabilis, Lymantria fumida, Lymantria dispar, Entomophthora]. 028942
Parasites and pathogens of the Japanese nut tree giant silkworm **[Forest** *pests,* natural control]. 028966
The life-history of Anoplocnemis curvipes F. (Coreinea, Coreidae, Heteroptera) a *pest* of **fresh** cowpea pods. 027207
Aporis craetagi **[Fruit** *pests,* control]. 028900
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as *pest* of **fruit** trees and ornamentals, control, Krasnodar Territory]. 028914
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones [Pinus elliottii, *pests,* **Gnophothrips** fuscus, Dioryctria, Laspeyresia]. 028938
Grape *pest* monitoring improved with sex traps and aerial photography [Insects]. 028891
Parasites of domestic and laboratory animals in the Netherlands. 2. [Parasitic worms, **insect** *pests].* 024733
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura nuclear polyhedrosis virus **[Insect** *pests,* biological control]. 028643
Biological control [of **insect** *pests]* and environmental quality. 028647
Insect *pest* occurrences in Tasmania, 1973/74. 028657
A note on the isolation of Entomophthora [Fungi] species on artificial media **[Insect** *pests,* biological control]. 028666
Control of **insect** *pests* with bacteria, the entomophagous Bacillus species, Bacillus thuringiensis and Bacillus popilliae. 028684
Mass-rearing of Chrysopa carnea Steph. (Neuroptera, Chrysopidae) **[Insect** *pests,* biological control]. 028685
Some bionomic dates on the parasite Trichogramma evanescensWestwood in the eggs of Anagasta kuehniella Zeller **[Insect** *pests,* biological control]. 028687
Resistant [crop] varieties as the basis of integrated methods [of **insect** *pests* control]. 028693
Tachinidae as parasites of **insect** *pests* [of plants; natural control]. 028695
Control of **insect** *pests* [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. 028742
Licking the bug problem in 1975 [Gardens, **insect** *pest* control]. 028812
Reproductive differences between laboratory-reared and field-collected populations of the Mediterranean fruitfly, Ceratitis capitata **[Insect** *pests,* fruit]. 028821
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard **[Insect** *pests,* biological control]. 028823
Citrus care by air in St. Lucie County—1974 **[Insect** *pest* control]. 028829
Gamma irradiation of the melon fly [melon **insect** *pests,* control]: laboratory studies of the sexual competitiveness of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application [Residues, chemical control, carrot **insect** *pests].* 028886
Economic evaluation of chemical and biological methods [Cabbage, **insect** *pests,* control]. 028903
Experience and tasks in the integrated protection of cabbage **[Insect** *pests].* 028906
Hygienic regulation of phosphamide application in the culture of hops **[Insect** *pest* control]. 028908
Insect *pests* of leguminous crops [Peas, beans]. 028909
Natural regulators of numerical strength of [cabbage **insect]** *pests.* 028910
Natural regulators of the numerical strength of cabbage **[insect]** *pests.* 028911
Introduction of a predacious red wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest **insect** *pests,* biological control]. 028925
Effect of forest **insect** *pests* on the structure of tree varieties. 028934
More recent methods and means for the control of **insect** *pests* of poplars and willows in Yugoslavia. 028956
Pirimiphos-methyl as a protectant [from **insect** *pests]* for stored inshell almonds [Control effectiveness and residues]. 028982
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat **[Insect** *pests,* biological control]. 028984
Mosquito and chironomid midge control by planaria **[Insect** *pests,* biological control]. 029001
Insect ectoparasites of poultry in India and their control **[Insect** *pests].* 029018
Plague the *pests* **[Insects,** biological control]. 028639
Production of resting spores of Entomophthora thaxteriana [Fungi, Biological control of *pest* **insects].** 028667
Integrated *pest* control research project. 028676
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons **[Integrated** *pest* control, apple orchards]. 028836
Trojan horse [Haematobia **irritans** *pests* of cattle]. 028990
Moving? Traveling? Trading plants? **Leave** *pests* behind [Quarantine]. 028410
Parasitoids associated with **lepidopterous** *pests* on peanuts; Oklahoma fauna [Natural control agents]. 028736
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of **Lepidopterous** *pests* of soybeans [Biological control]. 028747
Little-known *pest* of cacao beans [Mussidia nigrivenella]. 028692
Use and field application of pheromones in orchard [insect] *pest* **management** programs. 028856
A guide of [insect] *pests* according to **nature** of injuries [Fruit]. 028899
Record of Plutella xylostella Linn. [=maculipennis (Curt.)] as a **new** *pest* of amaranthus viridis in Karnataka. 028832
An as yet rarely **observed** *pest* [Dasyneura pyri] on pears. 028880
Use of a pathogenic germ in the control of Sibine fusca (Limacodidae) *[Pests* of **oilpalms].** 028672
Effects of metepa on emergence, longevity and reproduction of Earias insulana **[Okra,** *pests].* 028897
The system of integrated protection [of cotton from *pests]-how* should it be **organized.** 028765
Mealy-bugs *[Pests* of **ornamental** plants]. 028826
Diseases and *pests* of **passion** fruit in Kenya. 028300

Chemical control of **pasture** *pests* [Wiseana, Costelytra zealandica] on the West Coast [South Island]. 028773
Control of white-fringed weevil [Graphognathus leucoloma] adults with insecticides *[pests* of **pastures** and lucerne]. 028776
Blacklight lamp provides alternatives to insecticides [Laspeyresia caryana, **pecan** *pest* control]. 028882
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, *pest* of **pine** trees] in the Mari Autonomous Soviet Socialist Republic. 028950
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, *pest* of **pine** trees, biological control]. 028951
Comparisons among isolates of Gremmeniella abietina **[Pinus** *pests]* by means of growth rate, conidia measurement, and immunogenic reaction. 027916
Feeding and reproductive behavior of Ips avulsus *[pest* of **Pinus].** 028937
Large-scale occurrence of Syrphidae and Coccinellidae **[Plant** *pests,* Austria]. 028673
Beneficial insects **[Plant** *pest* control]. 028691
Variation in food preferences of three grasshopper species (Acrididae: Orthoptera) as a function of food availability [Melanoplus sanguinipes, Melanoplus foedus, Alocara elliotti, forage **plants,** *pests].* 028704
Spectrum of regulatory activities of parasitic insects [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. **[Poplar** *pests,* natural control]. 028958
Leucinodes orbonalis Guenee as a *pest* of **potato.** 028843
Potential for control of Cadra cautella (Walker) by release of fully or partially sterile males [Stored **products,** *pests].* 028978
Varroa jacobsoni: a **prospective** *pest* of honeybees in many parts of the world. 029756
Determination of larval instars of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei **[Quercus** *pests,* biological control]. 028918
Persistence of spores of Pleistophora schubergi (Cnidospora: Microsporida) in the field, and their application in microbial control [Anisota senatoria, Symmerista canicosta, **Quercus** *pests].* 028948
Exposure of meat to methyl bromide during **refrigerated-store** *pest* control; residues in beef and lamb and effect on quality. 028985
A strain producing abundant brachypterous adults in Nilaparvata lugens (Homoptera: Delphacidae) **[Rice** *pests].* 028721
Occurrence of Heliothis armigera (Hubner) as a **serious** *pest* of "arhar" [Pigeonpeas] in Himachal Pradesh. 028844
Occurrence and development of Agriotes lineatus (Coleoptera, Elateridae) in the European USSR [Agricultural **soil** *pests].* 029475
A comparison of predation by the pentatomids, Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, Epilachna varivestis Mulsant *[pest* of **soybeans].** 028705
Nomuraea rileyi [Fungi] attacking the velvetbean caterpillar, Anticarsia gemmatalis *[pest* of **soybeans]** in Parana, Brazil [Natural control]. 028740
Lesser peachtree borer [Synanthedon pictipes, *pest* of **stonefruits]:** the effect of temperature and humidity on egg development. 028851
Approaches to insect control based on chemical ecology—case studies [Callosobruchus chinensis, *pests* of **stored** products]. 028976
Evaluation of some insecticidal combination against **sucking** *pests* [aphids, mites] of cotton through aerial spraying. 028718
Smaller output of spray and higher productiveness of labor **[Sugarbeet** *pest* control, weevils]. 028807
Natural occurrence of milky disease bacterium, Bacillus popilliae Dutky on white grubs in India **[Sugarcane** *pests].* 028720
Development of Diaprepes abbreviatus *[pest* of **sugarcane** andcitrus] on potted citrus seedlings [in Florida]. 028858
Notes on the biology and distribution of three recently discovered exotic **weevil** *pests* [Atrichonotus taeniatulus, Floresianus sordidus, Sitona humeralis] in Hawkes Bay pastures]. 028782
Regional treatments for control of Eurygaster integriceps **[Wheat** *pests,* Kazakhstan]. 028805
The winter fly [Leptohylemyia coarctata], a *pest* of **winter** wheat in the German Democratic Republic. 028808
The American dermestid beetle [Reesa vespulae], a *pest* [of **zoological** and botanical] museums. 028651

PETALS

Chemical constituents of Choisya ternata Kunth. **Flavonoids** of the *petals.* 026781
Anthocyanin inheritance in *petals* of **flax,** Linum usitatissimum. 026230
Flavonoid localization in epidermal papillae of **flower** *petals:* a specialized adaptation for ultraviolet absorption. 026831
A process for the purification of lutein-fatty acid esters from **marigold** *petals* [Food colorants]. 022495

PETASITES

The synthesis of dimethyl esters of dl-O,O'-dimethylfukiic acid and dl-O,O'-dimethylepifukiic acid *[Petasites* **japonicus].** 026352

PETROLEUM

Responses of four orange varieties to **certain** *petroleum* oils [used as insecticidal sprays] in Texas. 028872
Relationship between LP **[liquified** *petroleum]* gas usage and amount of roof insulation in Arkansas broiler houses. 029905
Protein from *petroleum* **[Yeasts** as feed]. 023072

PETUNIA

Development of self-incompatibility in *Petunia* **[hybrida]** using inhibitors of protein and nucleic acid metabolism. 027168
Unilateral cross protection among some NEPO viruses [Tobacco, *Petunia* **hybrida].** 028206

PEUCEDANUM

D-mannitol from *Peucedanum* and **Delphinium.** 026474
Mass-spectrometric study of the coumarins mogoltin, mogoltavin, and mogoltavinin *[Peucedanum* **mogoltavicum].** 026489

PHAEOCRYPTOPUS

Swiss needle *[Phaeocryptopus* **gaeumannii]** cast of Douglas fir [Pseudotsuga menziesii]. 027873
Distribution and infection period of *Phaeocryptopus* **gaeumannii** [Pseudotsuga menziesii] in New Zealand. 028037

PHAEOPHYCEAE

Ultrastructural aspects of spermatogenesis in Cutleria **adspersa** *(Phaeophyceae,* Cutleriales [Algae]) from the French Mediterranean coast. 025972
Navicula fucicola sp. Nov., a diatom living in the apical slit of Fucus vesiculosus L. *(Phaeophyceae)* **[Algae].** 025815

PHAGOCYTIC

Relations between the changes of the *phagocytic* **activity** of the reticuloendothelial system and the alterations in protein and nucleic acids contents of the rat liver. 023558
Chicken neutrophils: oxidative metabolism in *phagocytic* **cells** devoid of myeloperoxidase. 023620

PHALARIS

Life tables for the frit fly, Oscinella frit, in reed canarygrass *[Phalaris]* in **Virginia.** 028710

PHARBITIS

Studies on nutrition of grafted plants *[Pharbitis,* **Ipomoea** bana-nox, sweetpotato]. I. Nitrogen nutrition. 027144
Photoperiodic time measurement and circadian leaf movement in *Pharbitis* **nil** controlled by the same clock? 026863

PHARMACEUTICS

Comparative study of various weights of belladonna [Atropa belladonna] from Languedoc for **obtaining** *pharmaceutics.* 026782

PHARMACOLOGY

Clinical *pharmacological* aspects of ascorbic acid. 022029
Trimethoprim in the horse **[Veterinary** *pharmacology].* 024310
Transport of sulfonamides into caprine [goat] erythrocyte **[Veterinary** *pharmacology].* 024317

PHASEOLUS

The pollination and set of the early flowers of runner **bean** *(Phaseolus* coccineus L.). 027205
The effect of distant nodulation on the activity of nodules in pea (Pisum sativum L.) and dwarf kidney **bean** *(Phaseolus* vulgaris L.). 027290
Rapid determination of tryptophan in **beans** *(Phaseolus* vulgaris) [maize and wheat] by the acid ninhydrin method. 022920
Productivity of vegetable crops in a region of high solar input. IV. Field chamber measurements on French **beans** *(Phaseolus* vulgaris L.) and cabbages (Brassica oleracea L.). 027124
Replacement of Mg2+ [magnesium] by polyamines in the aminoacylation of tRNA from *Phaseolus* **[Beans].** 027250
Systemic infestation by cucumber mosaic virus on kidney **beans** *(Phaseolus* vulgaris L.) in the German Democratic Republic. 028293
Effect of some soil amendments on plant growth, survival and yield of dry **beans** *(Phaseolus* vulgaris L.) in relation to sodium toxicity. 028379
Cell wall glycoproteins and polysaccharides of parenchyma of *Phaseolus* **coccineus** [Runner beans]. 027244
Growth regulator levels in embryo and suspensor of *Phaseolus* **coccineus** at two stages of development [Scarlet runner beans]. 027277
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of **"moong"** *(Phaseolus* aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Studies on the effect of aminotriazole on chloroplast development in *Phaseolus* **radiatus** L. [Beans]. 028509
Effect of seed-placed fertilizer on the emergence (germination) of soybeans (Glycine max L.) and **snapbeans** *(Phaseolus* vulgaris L.). 026942
Effectiveness of carbofuran [insecticide] as seed treatment for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and **"urd"** *(Phaseolus* mungo) [Mungo beans]. 028842
Studies on hook-opening in *Phaseolus* **vulgaris** L. [Kidney beans], by selective R/FR pretreatments of embryonic axis and primary leaves. 027221
Cell-free synthesis of the major storage protein of the bean, *Phaseolus* **vulgaris** L. 027262
Heritable variation in a polypeptide subunit of the major storage protein of the bean, *Phaseolus* **vulgaris** L. 027272
Micro-autoradiographic studies on host-parasite interactions. I. The infection of *Phaseolus* **vulgaris** [kidney beans] with tritium labeled uredospores of Uromyces phaseoli. 027908
Effect of volatile substances from species of Labiatae on rhizospheric and phyllospheric fungi of *Phaseolus* **vulgaris** [Kidney beans]. 030282

PHASES

The role of polymorphonuclear leucocytes in the **autologous** *phase* of nephrotoxic nephritis [Rabbits]. 023373
The corpus luteum periodicum in the bitch: Histochemical and biochemical investigations during different *phases* of the **cycle.** 023422
Comparison of single- and *two-phase* **dilution** of boar semen and its effect on pregnancy rate. 024279
Fine structure of the yeast cell accompanied by changing the **growth** *phase* [Saccharomyces cerevisiae]. 026010
Phytochrome control of the **lag** *phase* of chlorophyll accumulation in Lemna minor. 026448
Isomerization of resin turpentine without pinene on a titanium catalyzer in the **liquid** *phase.* 025310
More *"phases",* more **losses?** [Sugarbeet harvesting, equipment]. 030032
Phase **maps** for particles and microorganisms in animal quarters [for physiological parameters]. 023578
The radiosensitivity of cells in various *phases* of the **mitotic** cycle in Crepis capillaris L. seedlings. 026288
Identification of the 120 **mus** *phase* in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Temperature dependence of chlorophyll a fluorescence in relation to the **physical** *phase* of membrane lipids in algae and higher plants. 026794
The effect of convulsions induced by flurothyl on ribonucleic acid synthesis in rat cerebral cortex during the **recovery** *phase.* 023291
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various **secretory** *phases* [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
Comparison of phospholipid composition of Aedes aegypti andAedes albopictus cells obtained from logarithmic and **stationary** *phases* of growth. 029442
The clonal origin of cells contributing to **successive** *phases* of a cyclical immune response [Mice]. 024519
Temperature-induced *phase* changes on the kinetics of photosynthetic electron transfer in winter and spring wheat chloroplasts. 026908
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this *phase* on the **thylakoids** internal pH [hydrogen-ion concentration]. 027137
Two *phases* of chorda-lingual induced vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. 023557
Effect of partial defoliation during the **vegetative** *phase* on subsequent growth and grain yield of maize. 027366

PHEASANTS

Transmission of Histomonas meleagridis to domestic fowl by means of earthworms recovered from *pheasant* **yard** soil. 024452

PHELLINUS

On Fennoscandian polypores. IV. *Phellinus* **igniarius,** Phellinus nigricans and Phellinus populicola, n. sp [Fungi]. 025602

PHENOBARBITAL

Inducibility of mucosal drug-metabolizing enzymes of rats fed on a cholesterol-rich diet by polychlorinated biphenyl, **3methylcholanthrene** and *phenobarbitone.* 022194

PHENOLASES

Molecular weight and amino acid composition of purified spinach **beet** *phenolase.* 027247
Immunochemical studies on *tyrosinase* **induction** in Neurospora [crassa, fungi]. 026551

PHENOLOGY

The *phenology* and **habitat** of the species of the subgenus Tipula Linnaeus in the Netherlands (Diptera, Tipulidae). 029703

PHENOLS
The phenolics of fruits. VI. The phenolics of currants, gooseberries and blueberries. Changes in *phenolic* **acids** and catechins during development of black currants. 023004
Phenolic **acids** of the bark of Pinus silvestris, Pinus sibirica, and Pinus abies nephrolepis. 025277
Behavior of phenolic substances in the decaying process of plants. III. Degradation pathway of *phenolic* **acids** [Rice straw]. 030351
The phenolics of fruits. VII. The *phenolics* of **cherries** and plums and the changes in catechins and hydroxycinnamic acid derivatives during the development of fruits. 023006
Evolution of **chlorinated** *phenols* from concentrated boron solutions containing these phenols added as their sodium salts [Wood preservation]. 025465
Phenolic **compounds** from the heartwood of Garcinia mangostana [Mangosteen]. 026754
The *phenolic* **constituents** of Peltigera aphthosa [Lichenes]. 026768
The phenolics of fruits. VI. The *phenolics* of **currants,** gooseberries and blueberries. Changes in phenolic acids and catechins during development of black currants. 023004
Phenols from the **essential** oils of some species of Artemisia. 026491
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a *phenol* from the **fruit** and its association with enzymic browning. 028128
The *phenolics* of **fruits.** VI. The phenolics of currants, gooseberries and blueberries. Changes in phenolic acids and catechins during development of black currants. 023004
The *phenolics* of **fruits.** V. The phenolics of strawberries and their changes during development and ripeness of the fruits. 023005
The *phenolics* of **fruits.** VII. The phenolics of cherries and plums and the changes in catechins and hydroxycinnamic acid derivatives during the development of fruits. 023006
Cannabis smoke condensate: identification of some acids, bases, and *phenols* [of **marijuana** cigarettes]. 021907
Isolation and purification of *phenol* **oxidase** from the leaves of the cotton plant. 026937
On *phenol* and **p-cresol** o-hydroxylation by tyrosinases in the presence of ascorbic acid [Mushrooms, potatoes]. 027230
Evolution of chlorinated phenols from concentrated boron solutions containing these *phenols* added as their **sodium** salts [Wood preservation]. 025465
The phenolics of fruits. V. The *phenolics* of **strawberries** and their changes during development and ripeness of the fruits. 023005
Behavior of *phenolic* **substances** in the decaying process of plants. II. Changes of phenolic substances in the decaying process of rice straw under various conditions. 027048
Behavior of *phenolic* **substances** in the decaying process of plants. III. Degradation pathway of phenolic acids [Rice straw]. 030351
Effects of the treatments by enzymatic preparations and **tannin** *phenolics* absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979

PHENOTYPES
Phenotypic **correlation** between panicle exertion and plant height in rice (Oryza sativa). 026238
Phenotypic **deviants** in the ebony genotype in the boll weevil [Cotton pests, control] [Anthonomus grandis]. 028752
Heredity of some **less-frequent** *phenotype* manifestations of morphological characters in sunflower (Helianthus annuus L.). 026243
Phenotypic **relationships** between relatives in the Neudamm Karakul stud [Sheep]. 023974

PHENOXY
Using *phenoxy* **herbicides** effectively [Economic plants]. 028517

PHENYL
Some like it cold [Weed control, *4-chloro-5-(dimethylamino)-2-phenyl-3* **(2H)-pyridazinone**]. 028488
Metabolism of isoxathion, **O,O-diethyl** *O-(5-phenyl-3-isoxazolyl)-phosphorothionate* in plants [beans, cabbage, Chinese cabbage]. 027099

PHENYLACETATES
Phenylacetic **acid** meta hydroxylase from Rhizoctonia solani [the causal fungus of a serious soilborne disease of plants]. 028045

PHENYLALANINE
Effect of [herbicide] molecules with hormonal properties on *phenylalanine* **ammonia** lyase activity [in tobacco and wheat]. 028537
Behaviour of *phenylalanine* **ammonia-lyase** in carrot cells in suspension cultures. 027238
Metabolism of *phenylalanine* in **Aspergillus** sojae [Fungi]. 026344
The role of *phenylalanine* in the **biosynthesis** of flavonoids and cinnamic acids in the twining stems of Periploca graeca. 026769
Hydrogen bonding in **yeast** *phenylalanine* transfer RNA. 026812

PHEROMONES
Effects of **alarm** *pheromones* [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and virus transmission efficiency [Cowpeas]. 028771
Defensive behaviour and production of **alarm** *pheromone* in honeybees [Apis mellifera]. 029812
Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with *Pheromone-baited* **BL** [black light] traps. 028753
Pheromones as **chemical** signals: the pheromone system of the honeybee [Apis mellifera]. 029786
Pheromones as **chemical** signals [Apis mellifera]. 029787
Comparison of sex pheromone versus an inhibitor for disruption of *pheromone* **communication** in Rhyacionia buoliana [Pinus sylvestris]. 028931
Swarming honey bees [Apis mellifera] **guided** by *pheromones.* 029728
Use and field application of *pheromones* in **orchard** [insect] pest management programs. 028856
Pheromones and **related** chemicals in some USDA insect control programs. 028649
Presence of **sex** *pheromone* in preputial glands of male rats. 024109
Insect **sex** *pheromones:* intraspecific pheromonal variability of Ostrinia nubilalis in North America and Europe [Maize]. 028734
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with **sex** *pheromone* traps [Apple pests]. 028827
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a **sex** *pheromone* of [the European grape vine moth] Lobesia botrana. 028894
Comparison of **sex** *pheromone* versus an inhibitor for disruption of pheromone communication in Rhyacionia buoliana [Pinus sylvestris]. 028931
"Porapak Q" adsorption of airborne organic compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main **sex** *pheromone* for this species. 029272
Identification of the female **sex** *pheromones* of the moth, Chilo suppressalis. 029412
Sex *pheromone* of the moth, Antheraea polyphemus. 029417
Uptake of the **sex** *pheromone* 3H [hydrogen isotope] bombykol and related compounds by male and female Bombyx [mori] antennae. 029840
Pheromones as chemical signals: the *pheromone* **system** of the honeybee [Apis mellifera]. 029786
Attraction of Scolytus multistriatus to *pheromone-baited* **traps** at different heights [Ulmus]. 028930

PHILAENUS
Clines in the colour polymorphism of *Philaenus* **spumarius** ineastern Central Europe. 029364

PHILANTHUS
Territorial behaviour by males of *Philanthus* **multimaculatus(Hymenoptera:** Sphecidae) with a review of territoriality in male sphecids. 029211

PHILOSAMIA *see* **SAMIA**

PHLEBOTOMUS
Presence in Morocco of *Phlebotomus* **bergeroti,** Phlebotomus chabaudi, Phlebotomus chadlii and Sergentomyia cristophersi. 029535

PHLEUM
Mowing dates of clover and clover-timothy *[Phleum]* **mixtures[and** relation to their chemical composition]. 027066
Synthesis and analysis of phytyl and phytenoyl wax esters [Hygrohypnum luridum, Paraleucobryum longifolium, *Phleum* **pratense].** 026665
Effect of coumarins on germination and growth of some forage grasses and legumes [Trifolium repens, Trifolium pratense, *Phleum* **pratense].** 026997
Variability of total nitrogen content of 18 genotypes of meadow **timothy** *(Phleum* pratense L.). 026993

PHLOEM
Preliminary investigations on the suitability of *phloem* **analysis** as a diagnostic tool to predict the nutritional status of Norway spruce (Picea abies Karst.). 027317
Presence of helicoid shaped elements in the *phloem* of **Vincarosea** with Stolbur [Mycoplasma] disease. 028226

PHOMA
Genetical effect of the toxin of the **fungus** *Phoma* tracheipfilla (Petri) Kantschaveli et Gikaschvili on citrus crops. 028097
Laboratory testing for the resistance of potato tubers to **gangrene** *(Phoma* exigua var. foveata). 028047
Phoma **tropica** n. Sp., a nonpathogenic fungus, commonly occurring on greenhouse plants. 028048

PHOMOPSIS
Certain problems of bioecology of the **fungus** *Phomopsis* diospyri Bong. 028096
New microfungi on coastal Douglas fir [Pseudotsuga menziesii, Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, *Phomopsis* **porteri].** 025663

PHORATE
The use of *phorate,* **AC** 92/100 and chlormephos for the control of larval soldier fly [Inopus rubriceps] in maize. 028786
Resistence of *phorate* **[insecticides]** on 'muung' [mungo beans] and 'arhar' [mung beans] crops. 028847
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, *phorate* and **pirimiphos-ethyl** following spring and late-summer soil application [Residues, chemical control, carrot insect pests]. 028886

PHORMIA
Synchronization of function in the foregut of the **blowfly** *Phormia* regina (Diptera: Calliphoridae) during the crop-emptying process. 029289

PHORMIUM
The New Zealand **fiberlily** *(Phormium* tenax Forster): studies on its biology and cultivation. 027356

PHOSPHAMIDE
Hygienic regulation of *phosphamide* **application** in the culture of hops [Insect pest control]. 028908

PHOSPHATASES
Properties of erythrocytic **acid** *phosphatase* in sheep and the isoenzymes of erythrocytic acid phosphatase in sheep and goats. 023253
Fine structural demonstration of **acid** *phosphatase* in rabbit germinal epithelium prior to induced ovulation. 024055
Alkaline and **acid** *phosphatases* of the marine diatoms Chaetoceros affinis var. willei (Gran) Hustedt and Skeletonema costatum (Grev.) Cleve [Algae]. 026640
Phosphatase activity of Poa pratensis seeds. II. Purification and characterization of **acid** *phosphatase* Ia2 and Ia3. 026877
Multiple molecular forms of catalase, peroxidase and **acid** *phosphatase* in Lycopersicum sp. with genetical and induced resistance against tobacco mosaic virus (TMV). 028276
Investigations on changes in soluble protein content and activity of proteases and **acid** *phosphatases* in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Phosphatase **activity** in acidified milk. 022615
Phosphatase **activity** of Poa pratensis seeds. II. Purification and characterization of acid phosphatase Ia2 and Ia3. 026877
Activity and properties of **alkaline** *phosphatase* in some body fluids (blood plasma, blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Serum **alkaline** *phosphatase* isoenzymes in beef cattle. 023637
Additional note on serum **alkaline** *phosphatase* activity in bloat in Zebu [cattle] and ruminal impaction in buffaloes. 024843
Can the serum activity of **alkaline** *phosphatase* (AP) be used in diagnosing canine hip dysplasia? 024875
Alpha-glycerol *phosphatase* and glycerol kinase activities in tissues of the silkmoth Hyalophora cecropia during the larval-pupal transformation. 029725
Amino acids, *phosphatase* and **peroxidase** in nectary glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
Changes in proteins, *phosphatase* and **ribonuclease** activity in barley (Hordeum sativum) seeds during germination. 026957

PHOSPHATES
Phosphate, **algae,** and taconite tailings in the western arm of Lake Superior. 025918
Adenosines 5' *phosphates* **(ATP,** ADP, AMP) in phytoplanktonic algae. Role in the indirect measurement of the biomass. 026435
Calcium, sodium, *phosphate,* a contribution to the **correct** performance mineral supply for livestock. 023049
Studies on the enzyme system of carbohydrate metabolism in fish. II. Purification of *glucose-6-phosphate* **dehydrogenase** and glucose dehydrogenase. 022410
Studies on the enzyme system of carbohydrate metabolism in fish. III. Properties of *glucose-6-phosphate* **dehydrogenase** and glucose dehydrogenase. 022411
Subunit interactions in yeast [Saccharomyces cerevisiae] *glyceraldehyde-3-phosphate* **dehydrogenase.** 026405
A comparison of phosphate and *non-phosphate* **detergents** in the laundering of men's shirting fabrics. 022227
Phosphate **developments** in Eastern Siberia [fertilizer production]. 030506
Effect of grasses fertilized with carbamide and **diammonium** *phosphate* on the chemical composition of meat and physical properties of the wool of sheep. 022715
Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of transhydrogenase activity from NADPH to NAD [nicotinamide adenine **dinucleotide** *phosphate,* nicotinamide adenine dinucleotide]. 023483
Regulatory properties of reduced nicotinamide-adenine **dinucleotide** *phosphate* on a glutamate dehydrogenase from Neurospora crassa [Fungi]. 026612
Purification of NADH [nicotinamide adenine **dinucleotide** *phosphate]-nitrate* reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791

Reactions of water-soluble **fertilizer** *phosphates* with different soils in the German Democratic Republic. 030181
Studies on soil improvement materials. I. Effect of *phosphate* **fertilizers,** silicic calcium, carbonate percipitated and compost of bark on citrus trees. 030433
Formaldehyde titration method for the determination of ammoniacal nitrogen in *phosphate* **fertilizers.** 030480
Purification of **myo-inositol** *1-phosphate* synthase from rice cell culture by affinity chromatography. 027029
A comparison of *phosphate* and **non-phosphate** detergents in the laundering of men's shirting fabrics. 022227
Development and intracellular distribution of enzymes of the oxidative **pentose** *phosphate* cycle in radish cotyledons. 027266
Fluoride emissions from *phosphate* **processing** plants [Air pollution]. 030919
Interaction of aspartate transaminase from chicken heart cytosol with analogs of **pyridoxal** *phosphate.* 023310
Effect of **pyridoxal** *phosphate* and cysteine on delta-aminolaevulinate synthetase and dehydratase in soya. 027007
Microbiological basis of *phosphate* **removal** in the activated sludge process for the treatment of wastewater. 030938
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified **terminal** *phosphates:* effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. 023305
Genetic regulation of *phosphate* **transport** system II in Neurospora [crassa, fungi]. 026091
Inhibition of *phosphate* **uptake** in barley roots by hydroxy-benzoic acids. 027008
Effect of ribose and *ribose-5-phosphate* on **uric** acid synthesis in the chicken. 023574

PHOSPHATIDYLCHOLINE

Examination of acetolysis products of *phosphatidylcholine* by **gas** chromatography-mass spectrometry. 022515
Effect of calcium on the biosynthesis of *phosphatidylcholine* by **microsomes** prepared from Vicia faba [broadbean] roots. 027148

PHOSPHIDES

The use of magnesium phosphide tablets with **hydrogen** *phosphide* in gas treatment of wheat in silos. 023029
Hazards to predators feeding on prairie voles killed with **zinc** *phosphide* [rodenticide]. 029141

PHOSPHINE

Effects of in-vitro treatment of boar spermatozoa with TEPA *[tris(1-aziridinyl)phosphine* **oxide]** on the fertilization and development of pig eggs. 024118
The inhibiting effect of tris (1-aziridinyl) *phosphine* **sulphide** (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). 028997
The sterilizing effect of tris (1—aziridinyl) *phosphine* **sulphide** (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. 028998

PHOSPHODIESTERASES

Cyclic AMP [adenosine monophosphate] *phosphodiesterase* **activity** in Fasciola hepatica (L.) homogenates. 024407

PHOSPHOENOLPYRUVATE

Inhibition of *phosphoenolpyruvate* **carboxylase** from C4 [carbon] plants by malate and aspartate [Digitaria sanguinalis]. 026447
Decarboxylation of oxalacetate to pyruvate by purified avian **liver** *phosphoenolpyruvate* carboxykinase. 023479

PHOSPHOFRUCTOKINASE

Limited proteolysis of **yeast** *phosphofructokinase* by subtilisin: Alterations in enzyme activity, subunit composition, and hydrodynamic properties. 026553

PHOSPHOLIPASES

Studies on *phospholipases* of **chicken** intestine. 023438
Studies on *phospholipases* of **chicken** intestine. 023439
Effect of *phospholipase* A on **spectral** and photochemical properties of chloroplasts and their fragments [Peas]. 027131

PHOSPHOLIPIDS

Comparison of *phospholipid* **composition** of Aedes aegypti andAedes albopictus cells obtained from logarithmic and stationary phases of growth. 029442
Reaction of oxidized lipids with protein. 10. Effect of protein on the autoxidation of *phospholipids* **[Food** chemistry]. 022523
Hepatoma, host liver, and normal rat **liver** *phospholipids* as affected by diet. 022152
Acidic composition of neutral lipids, glucolipids and *phospholipids* from **olive** tree leaves and chloroplasts. II. 027289
The metabolism of lipids in mouse pancreatic islets. The biosynthesis of **triacylglycerols** and *phospholipids.* 023293

PHOSPHOMONOESTERASE

Root gradients: a new micro-technique for analyzing **acid** *phosphomonoesterases* [Lentils]. 027233

PHOSPHONIC

Regulated ripening of Coffea arabica L. In Kenya: studies on the use of **2-chloroethyl** *phosphonic* acid. 026317
The effects of gibberellic acid, **2-chloroethyl** *phosphonic* acid (ethylene) and some growth retardants on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222

PHOSPHORAMIDOTHIOATE

Synthesis and herbicidal activity of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl **N-isopropyl** *phosphoramidothioate* [Rice, Echinochloa crus-galli]. 028485

PHOSPHOROTHIONATE

Control of Pratylenchus brachyurus in rough lemon seedlingswith **Dowco** 275 *(diethyl-fluoropyridyl-phosphorothioate.* 028406
Metabolism of isoxathion, **O,O-diethyl** *O-(5-phenyl-3-isoxazolyl)-phosphorothionate* in plants [beans, cabbage, Chinese cabbage]. 027099

PHOSPHORUS

Mechanical-chemical destruction of polysaccharides of cellolignin in the presence of *phosphoric* **acid** [Wood hydrolisis]. 025313
Correlation studies between different forms of *phosphorus* in **alluvial** soils of districts Deoria and Gorakhpur in Uttar Pradesh. 030221
Effect of sulphur and *phosphorus* **application** on soil characteristics, nutrient uptake and yield of wheat crop. 026980
Applicability of some methods for determination of **available** *phosphorus* in forest soils. 030217
Influence of lime and *phosphorus* **buildup** on moisture retention characteristics of Hebbal Red loamy soils. 030592
The influence of 3-amino-1,2,4-triazole (amitrole) on the acid-soluble nucleotides and some other *phosphorus* **compounds** in oat seedlings. 026909
Influence of soil type on the nitrogen and *phosphorus* **content** of [Pinus] radiata pine litter. 030264
Organic and inorganic P *[phosphorus]* **content,** movement and mineralization of P in soil beneath a feedlot [Cattle, manure, disposal]. 030823
Effect of diets low in calcium and *phosphorus* on the **development** of growing lambs. 023749
Periodontopathy in the dog due to lack of calcium and excess of *phosphorus* in the **diet.** 024934
Effect of nitrogen and *phosphorus* **fertilization** on seed yield of late cauliflower—(Brassica oleracea var. botrytis). 030472
Phosphorus **fertilizer** studies with Capsicum annuum L. (Sweet pepper). 030404
Performance of the new wheat variety Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 [Nitrogen and *phosphorus* **fertilizers].** 030475
The effect of various levels of *phosphorus* **fertilizers** on the development of the root system and above-ground parts of the tea plant. 030540
Studies on the *phosphorus* **fixing** capacity of major soil series of Thanjavur district. 030246
Phosphorus in **green** house soils. 030441
Effect of nitrogen and *phosphorus* on the **growth** of selenastrum capricornutum [Eutrophication]. 026544
Studies om inorganic matters in feedstuffs. II. Contents' of calcium and *phosphorus* in **home** produced feedstuffs. 023068
Intestinal absorption of calcium and *phosphorus* by **horses.** 023564
Inorganic *phosphorus* fractions of upland soils of Thailand. 030328
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for *organo-phosphorous* **insecticide** poisoning, men and experimental animals]. 029087
Toxicity of zinc to the green alga Selenastrum capricornutum as a function of *phosphorus* or **ionic** strength. 028357
The effect of luteineizing hormone on chicken testis and pineal gland uptake of 32P *[phosphorus* **isotope].** 024070
High resolution 31P *[phosphorus* **isotope]** nuclear magnetic resonance studies of intact yeast cells. 026811
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, translocation and distribution of 32P *[phosphorus* **isotope]** in cotton plants under different light conditions. 026945
Dispersal and mating in the field by male pink bollworm, Pectinophora gossypiella, labeled with 32P *[phosphorus* **isotope].** 026952
Absorption and distribution of 32P *[phosphorus* **isotope]-labeled** diisopropyl fluorophosphate in the laying hens. 023345
Dispersal of 32 *P[phosphorus* **isotope]-treated** larvae of Spodoptera litura and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the wind direction]. 028714
Biphasic effect of extracts of Lithospermum ruderale on theuptake of 32P *[phosphorus* **istope]** by testes and thyroids ofcockerels. 024943
Maintenance of calcium and *phosphorus* **levels** in blood [Chickens]. 023440
Changes in concentrations and interrelationships of phytate, *phosphorus,* **magnesium,** calcium, and zinc in wheat during maturation. 026973
Phosphorus **management** of our soils. Need for a more rational approach. 030244
Effects of lalpha-hydroxy- vitamin D3 and 1,25-dihydroxy- vitamin D3 on calcium and *phosphorus* **metabolism** in hypoparathyroidism. 022159
Frequency analysis of cyclic phenomena in flowing streams [to monitor concentrations of nutrients, including various species of carbon, **nitrogen,** and *phosphorus].* 030856
Distribution of various forms of *phosphorus* in **northwest** Rajasthan soils. 030235
Response of wheat to nitrogen, *phosphorus* and **potash** under rainfed conditions. 027420
Evaluation of soil tests for *phosphorus* and **potassium.** 030241
Effect of N [nitrogen], P *[phosphorus],* and K **[potassium]** on the yield of American cotton variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, *phosphorus,* **potassium]** fertilizer on yield, tuber size and N, P and K contents of three potato varieties. 030478
The effect of orchard factors on the chemical composition of apples. IV. Some effects of soil management and NPK [nitrogen, *phosphorus,* **potassium]** fertilizers. 030481
Nitrogen, *phosphorus* and **potassium** balance in the agriculture of Gomel' Region. 030559
The estimation of interactions in NPK [nitrogen, *phosphorus,* **potassium]** manuring experiments with grain maize carried out over a number of years. 030569
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, *phosphorus,* **potassium]** uptake of winter wheat Triticum aestivum). 030570
Prevention of puerperal neuroses in the cow: effect of administration of *phosphorus* **preparations.** 024901
The effects of dietary calcium and *phosphorus* on the **retention** and excretion of lead in rats. 022059
Biological availability of **sediment** *phosphorus* to microorganisms [Algae, aquatic weeds, eutrophication]. 026696
Interrelationship among available zinc, copper and *phosphorus* in **soil.** 030243
Adsorption and bonding energy indexes for *phosphorus* in four **soils** of northeast Thailand. 030201
Phosphorus in **starch** [Potatoes, cereals]. 022891
Phosphorus **uptake** by soybeans as influenced by [soil] moisture stress in the fertilized zone. 026891
The effects of levels of calcium, *phosphorus* and **vitamin** D on bone deveopment and **eggs**hell quality in modern laying hens. 023825
Sampling procedures for nitrogen and *phosphorus* in **[watershed]** runoff. 025063
Effects of nitrogen and *phosphorus* on the **yield** and chemical composition of meadow foxtail [Alopecurus pratensis]. 030435

PHOSPHORYLASES

Note on a third allele in th erythrocytic NP **[nucleoside** *phosphorylase]* **system** of cattle. 023977
Matrix-bounded enzyme. II. **Potato** *phosphorylase* entrapped in polyacrylamide **gel** after gel electrophoresis. 022898
Conversion of **potato** *phosphorylase* isozymes. 027245
Isoenzymes of *phosphorylase* in **sugarbeet** L. And related species. 026897

PHOSPHORYLATION

The activation of *non-phosphorylating* **electron** transport by adenine nucleotides in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. 027125
Studies on avian [chicken] erythrocyte metabolism. I. Procedure for separation and quantitation of the **major** *phosphorylated* metabolic intermediates by anion exchange chromatography. 023378
The behavior of fetal canine cardiac cells in culture: synthesis and *phosphorylation* of **myosin.** 023384
Effect of linoleic acid on **oxidative** *phosphorylation* in mitochondria in rats. 023677
Mechanism and specificity of **rhodopsin** *phosphorylation* [Bovine retinal photoreceptors]. 023300

PHOTINUS

Distasteful fireflies *[Photinus* **umbratus]** sometimes emetic, but not lethal [to fence lizards and skinks]. 029356

PHOTO

Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light **absorbing** *photo-synthetic* pigment composition. 026599
Grassland vegetation analysis using remote sensing techniques. 3. Spectral reflectance of plants as a base of **multispectral** *photo* interpretation. 027491
Grassland vegetation analysis using remote sensing techniques. 4. **Multispectral** *photo* interpretation of vegetation for the purpose of grassland planning. 027492
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during *photo* **periodically** induced testicular growth and maturation. 023516

PHOTOCHEMISTRY

Photochemical **activity** of isolated corn chloroplasts in relation to heterosis. 026219

Photolysis of **benzoic** acid 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on citrus leaves; residues]. 029111
Inter-and intramolecular effects of tyrosyl residues on flavin triplets and radicals as investigated by **flash** *photolysis* [Flavoproteins]. 022195
Photoproduction of ions from chlorophyll a in solution studied by **flash** *photolysis* and photoconductivity [Spinach]. 027220
Photoinduced **hydrogen** evolution by bacteria, algae, and higher plants. 026542
Effect of phospholipase A on spectral and *photochemical* **properties** of chloroplasts and their fragments [Peas]. 027131

PHOTOCONDUCTIVITY
Photoproduction of ions from chlorophyll a in solution studied by flash photolysis and *photoconductivity* **[Spinach].** 027220

PHOTODYNAMICS
Photodynamic **inactivation** of virion-associated RNA transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on infected plants. 028242

PHOTOGRAPHY
Accuracy in interpreting large-scale **aerial** *photographs* of forest stands. 025111
Grape pest monitoring improved with sex traps and **aerial** *photography* [Insects]. 028891
Photographic **review** of the developmental stages of flower formation in tulips, irises and lilies. 025932
Utilization of *photography* from **space** in regional land studies. 021230
Chloroplast fluorescence of C4 [carbon] plants. II. A *photographic* **technique** for obtaining relative fluorescence yields and spectra photographically [Dichanthium annulatum]. 026802

PHOTOLYSIS *see* PHOTOCHEMISTRY

PHOTOMETRY
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, *photometric* **method** [Veterinary medical diagnostic techniques]. 024368
Determination of the fat content of milk by means of the *photometric* **methods.** II. Infrared method. 022637

PHOTOMICROGRAPHY
Infrared **color** *photomicrography* of soil microorganisms. 030189

PHOTOOXIDATION *see* OXIDATION

PHOTOPERIODISM
Influence of temperature, *photoperiod* and **container** size on the growth rate and development of tomato plants in growing rooms. 027611
Annotated bibliography on *photoperiodic* **control** of flowering in lettuce, 1965-1974. 027284
Effects of **developmental** *photoperiod* on adult morphology in Euschistus tristigmus tristigmus (Say) (Hemiptera: Pentatomidae). 029218
Photoperiod **effects** on development of the larch casebearer, Coleophora laricella (Lepidoptera: Coleophoridae). 029285
Role of catecholamines in *photoperiodically-induced* **gonadal** development in Coturnix quail. 024038
The use of progestagens and *photoperiodism* in **improving** the reproductive rate of the ewe. 024008
Photoperiodic **induction** of diapause in the kangaroo tick Ornithodoros gurneyi Warburton (Acarina: Argasidae). 029022
Photoperiodic **regulation** of bulbing and maturation of Bet Alpha onions (Allium cepa L.) under decreasing daylength conditions [in Israel]. 027200
Contribution to the study of *photoperiodic* **response** of Impatiens balsamina L. "Buisson fleuri" variety. 027147
Effects of *photoperiod* and **size** on flight activity and oviposition in the eastern spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae). 029281
Photoperiodic **time** measurement and circadian leaf movement in Pharbitis nil controlled by the same clock? 026863

PHOTOPHOSPHORYLATION
Photophosphorylation and **related** properties of reaggregated vesicles from spinach photosystem I particles. 027138

PHOTOPRODUCTION
Photoproduction of **ions** from chlorophyll a in solution studied by flash photolysis and photoconductivity [Spinach]. 027220

PHOTORECEPTORS
The electrophysiology of transduction, retinal interaction and axonal conduction in **invertebrate** *photoreceptors* [Includes insects]. 029314
Mechanism and specificity of rhodopsin phosphorylation [Bovine **retinal** *photoreceptors].* 023300

PHOTORESPIRATION *see* RESPIRATION

PHOTOSENSITIZATION
The susceptibility of young chickens, ducks, and turkeys to the *photosensitizing* **effect** of Ammi visnaga seeds. 024821
Chronic lesions in **geese** *photosensitized* by Ammi majus. 024819
Photosensitization and **luminescence** of picloram. 028520

PHOTOSYNTHESIS
Effect of gibberellic acid on growth and *photosynthesis* in **Abies** balsamea. 027311
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in cotyledons of mustard [Sinapis alba] seedlings in the **absence** of *photosynthesis.* 026787
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light **absorbing** *photosynthetic* pigment composition. 026600
Four-step mechanism of water oxidation in *photosynthesis* **[Algae,** Chlorella pyrenoidosa]. 026539
Kinetics of "aging" of *photosynthetic* **apparatus** of isolated chloroplasts [Peas]. 027167
Single-cell protein production by *photosynthetic* **bacteria** [Rhodopseudomonas gelatinosa] cultivation in agricultural by-products. 022385
The effects of CO2 [carbon dioxide] concentration on the **canopy** *photosynthesis* and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
Investigations on the ecology and physiology of the marine blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of *photosynthetic* C **[carbon]-fixation** under osmoregulatoric conditions. 026862
New chlorophyll-b forms in a **chlorophyll-detergent** *photosynthetic* model system [Algae]. 026408
The intensity of *photosynthesis* in **citrus** leaves of various age in relation to their frost resistance. 027294
Temperature-induced phase changes on the kinetics of *photosynthetic* **electron** transfer in winter and spring wheat chloroplasts. 026908
Effect of vitamin K3 on *photosynthetic* **electron** transport [Peas]. 027132
Regulation of **ferredoxin-catalyzed** *photosynthetic* phosphorylations [Chloroplasts, spinach]. 027281
Photosynthesis in the **global** view. 026693
The effects of mercury on the *photosynthesis* and **growth** of estuarine and oceanic phytoplankton [Algae]. 028372
Comparative studies on the *photosynthesis* of **higher** plants. V. Differences in the rate of sugar formation from radioactive compounds among C4 [acid decarbonylation]-plants. 026833
Action spectra of *photosynthesis* and **hydrogen** evolution by bacteria, algae, and higher plants. 026541
Chlorophyll amount for analysis of matter production in forage crops. II. Seasonal variations in maximum crop growth rate and **leaf** *photosynthesis,* and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Chlorophyll amount for analysis of matter production in forage crops. III. **Leaf** *photosynthesis* under dim light, maximum crop growth rate under different plant density, and their dependence on chlorophyll content in alfalfa. 026995
Effects of temperature and salinity variations on *photosynthesis* of some **littoral** seaweeds of the North Adriatic Sea [Algae]. 026425
Photosynthesis in **mesophyll** protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Rapid method for assessing potential **net** *photosynthesis* in plant leaves [Cereals]. 027064
Photosynthesis of **newly** matured leaves during the ontogeny of barley grown at different nutrient levels. 026931
Growth regulation by ethylene in fern gametophytes. IV. Involvement of *photosynthesis* in **overcoming** ethylene inhibition of spore germination. 026355
Manganese and *photosynthetic* **oxygen** evolution by algae [Anabaena cylindrica, Chlorella vulgaris]. 026690
Chemically induced dynamic electron polarization in chloroplasts at room temperature: evidence for triplet state **participation** in *photosynthesis.* 026809
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of *photosynthetic* **pathways.** 026864
Photosynthesis. 026830
Internal control of stomatal physiology and *photosynthesis.* II. **Photosynthetic** responses to phaseic acid [Grapes]. 027120
An approach to the measurement of *photosynthetic* **rate** in single leaves by the aeration method. II. The effects of aeration velocity, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Photosynthetic **reduction** of nitrite gas injury to vegetables [Cucumbers, kidney beans]. 028316
Photosynthesis in **relation** to growth and distribution of fruit in peach trees. 027122
Internal control of stomatal physiology and photosynthesis. II. *Photosynthetic* **responses** to phaseic acid [Grapes]. 027120
Specific *photosynthesis* of Chlorella [pyrenoidosa] in different regions of the spectrum [Algae]. 026543
Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the water-splitting activity in *photosynthesis* **[Spinach,** wheat]. 026406
Effect of oxygen on *photosynthesis* by **spinach** leaf protoplasts. 027269
Photoautotrophic growth and *photosynthesis* in **tobacco** callus cells. 027027

PHOTOSYSTEMS
E.P.R. [Electron paramagnetic resonance] spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that **chloroplast** *photosystem* I particles contain 4Fe-4S centres. 026392
A chlorophyll-protein complex lacking in *photosystem* I **mutants** of Chlamydomonas reinhardtii [Algae]. 026632
Excitation spectra for *photosystem* I and **photosystem** II in [spinach] chloroplasts and the spectral characteristics of the distribution of quanta between the two photosystems. 027136
Photophosphorylation and related properties of reaggregated vesicles from **spinach** *photosystem* I particles. 027138
Mechanism of KCN inhibition of *photosystem* I **[Spinach].** 027191
Excitation spectra for photosystem I and photosystem II in [spinach] chloroplasts and the spectral characteristics of the distribution of quanta between the **two** *photosystems.* 027136

PHOTOTAXIS *see* PHOTOTROPISM

PHOTOTOXICITY
Considerations on the *phototoxicity* of **bergamot** oil. 021879
Phototoxicity of **bergamot** oil: experimental studies. 021880

PHOTOTROPISM
Dinoflagellate *phototaxis:* pigment system and circadian rhythm as related to diurnal migration [Algae]. 026586
High speed cinemicrography of the direct photophobic response of Euglena [gracilis, algae] and the mechanism of **negative** *phototaxis.* 026661

PHOTURIS
Ultrastructure of the larval firefly light organ as related to control of light emission *[Photuris* **pennsylvanica].** 029295

PHRAGMITES
The development of the gall midge Lasioptera arundinis (Schiner) (Diptera, Cecidomyiidae) on the common **reed** *(Phragmites* communis Trin.). 028668

PHTHORIMAEA
Observations on a granulosis virus of the potato tuberworm, *Phthorimaea* **operculella.** 028875

PHYCOMYCES
Tryptophan metabolism of *Phycomyces* **blakesleeanus.** I. Elucidation of the pathway of indoleacetic acid biosynthesis [Fungi]. 026413
Tryptophan metabolism of *Phycomyces* **blakesleeanus** [Fungi]. II. The biosynthesis of nicotinic acid. 026414
Chromosomal proteins of *Phycomyces* **blakesleeanus** [Fungi]. 026558

PHYCOMYCOSIS
Enhancement of susceptibility to **experimental** *phycomycosis* by agents producing reticuloendothelial stimulation [Mice, Absidia ramosa]. 024474

PHYLLOPHAGA
Identification tables of the species of **genus** *Phyllophaga* harris and its subgenus Phytalus Er. (Coleoptera, Melolonthidae) [New taxa]. 029565

PHYLLOTAXY
Development and organization of the primary vascular system in Populus **deltoides** according to *phyllotaxy.* 025939

PHYLLOXERA
Method of breeding for combined immunity of grapes to fungus **diseases** and *Phylloxera.* 026309
Possibility of protecting true-rooted **grapes** from *Phylloxera.* 028912
Breeding of grape varieties resistant to *Phylloxera* by **means** of intervarietal hybridization. 026308

PHYLOGENY
Comments on reproductive isolation and *phylogeny* of **mosquitoes** of the genus Aedes. 029635
A possible strategy of comparative morphology for *phylogenetic* **reconstruction** [Plants]. 025614
Phylogenetic **relationships** within the genus Pluteus [Fungi]. 025779
The biology of Stenogaster concinna van der Vecht with comments on the *phylogeny* of **Stenogastrinae** (Hymenoptera: Vespidae). 029395
Studies of the subtribe Tachyina (Coleoptera: Carabidae: Bembidiini). III. Systematics, *phylogeny,* and **zoogeography** of the genus Tachyta Kirby [New taxa]. 029700

PHYSARUM
The function of slime from *Physarum* **flavicomum** [Fungi] in the control of cell division. 026458

Transmission and scanning electron microscopy of changes associated with microcyst formation in the myxamoebae of *Physarum* **polycephalum** [Fungi]. 026001
Cytoplasmic filaments and their assembly into bundles in *Physarum* **[polycephalum]** plasmodium [Fungi]. 026055
Calcium and magnesium contents of ectoplasm and endoplasm of *Physarum* **polycephalum** plasmodium [Fungi]. 026816

PHYSCIA
Studies on Physcia. II. *Physcia* **endophoenicea** new to Scandinavia. 025827

PHYSICOCHEMISTRY
Effluent irrigation as a *physicochemical* **hydrodynamic** problem. 030714
Application of *physicochemical* **methods** to the quantitative evaluation of clay minerals in soils. 030298
Physicochemical and **mineralogical** characteristics of the soils of Kolleru lake, Krishna district, Andhra Pradesh. 030226
Study of electrochemical and *physicochemical* **properties** of clay minerals and their mixtures and of some soil clays to characterise their clay mineralogy. 030320

PHYSIOLOGY
Production and *physiological* **activity** of tocopherols and their analogues [Livestock nutrition]. 023946
The size and *physiological* **activity** of disconnected corpora allata in Locusta migratoria migratorioides (R. & F.). 029200
Physiological **analysis** of through-conducting systems in the ventral nerve cord of the scorpions, Heterometrus fulvipes C. Koch. 029257
Physiological **aspects** of fluid packaging in cartons [Dairy products, hygiene]. 021942
Physiological **aspects** of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. 024046
Physiological **aspects** of nitrate utilisation in a barley variety exhibiting high seed protein content. 026986
Physiological **bases** of dairy cattle feeding on farms with high fertilizer application and intensity of feed utilization. 023703
Physiological **basis** of host susceptibility of Florida mosquitoes to Dirofilaria immitis. 029416
Physiological and **biochemical** aspects of specificity in plant-parasite interaction [Fungus and bacterial diseases]. 027977
Studies to differentiate Pseudomonas morsprunorum Wormald from Pseudomonas syringae van Hall with the help of *physiological* and **biochemical** methods [Agents of bacterial blight on fruits]. 028156
Cardiovascular *physiology* [Dogs]. 023642
Biochemical and *physiological* **causes** of resistance of plants against pathogens. 028335
Effects of some drugs on the *physiological* **changes** during exercise in the horse. 024309
Monitoring and evaluating the *physiological* **changes** in the horse with acute abdominal disease. 024870
Some *physiological* **characteristics** of motility in the in vivo avian oviduct [Chickens]. 024039
The significance of guanocytes for *physiological* **colour** shifts in Cyrtophora cicatrosa (Arachnida: Araneidae). 029340
Crop *physiological* aspects of coffee bean yield: a review. 026638
Techniques and problems in the storage of Satsuma orange. 4. Effect of temperature on its *physiological* **deterioration** and susceptibility to diseases. 028317
Glycogen, a *physiological* **determinant** of yeast [Saccharomyces carlsbergensis] flocculation? 026454
Varietal response of burley tobacco to stage of *physiological* **development** when topped. 026893
The **developmental** *physiology* and fertilizer requirements of Irish potatoes. 027295
Physiological **differences** among isolates of Phytophthora cinnamomi [Fungi]. 026455
Physiology of **digestion.** I. PH [hydrogen-ion concentration] and digestive enzymes in the alimentary canal of mature larva of Dasineura amaramanjarae Grover (Cecidomyiidae: Diptera) [mango blossom midge]. 029444
Digestive *physiology* of the horse. 023561
Susceptibility of sweetpotato lines to development of hardcore, a chilling disorder *[Physiological* **diseases].** 028332
The predominant role of calcium [in the tree metabolism] as an indicator in storage disorders in Cleopatra apples *[Physiological* **diseases].** 028382
Influence of growth conditions upon some *physiological* **disorders** of apples. 028413
Physiological **effects** of carrageenan [Food stabilizer, toxicity]. 021830
Nutritional and *physiological* **effects** of nitrates, nitrites, and nitrosamines. 022055
Environmental *physiology,* modeling and simulation of alfalfa growth. Conceptual development of SIMED [Simulation of Medicago]. 027041
Zootechnical and *physiological* **evaluation** of fattening cattle on platforms [Body heat losses]. 023682
Physiological **evidence** consistent with the presence of a specific O2 [oxygen] carrier in the placenta [Sheep]. 024097
Physiology and **functions** of flavonoids. 026580
Perspectives in the **hormone** *physiology* of tropical crops. Responses to water stress. 026315
Sensitivity to *physiological* **hunger** cues: are the obese really different. 022186
Stereochemistry of sugar and sugar alcohols in regard to its biochemical and *physiological-chemical* **importance** [Nutrition]. 022174
The effect of non-root fertilizer supplements on the *physiological* **indices** and cucumber yield in hydroponic greenhouses [Soiless culture]. 027301
Investigations on the ecology and *physiology* of the **marine** blue-green algae lichen Lichina pygmaea Ag. III. Some aspects of photosynthetic C [carbon]-fixation under osmoregulatoric conditions. 026862
Physiological and **morphological** properties of the Japanese black and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Isolation and structure of coprine, a **novel** *physiologically* active cyclopropanone derivative from Coprinus atramentarius and its synthesis via 1-aminocyclopropanol. 027157
Nutritional *physiology* of zinc and symptoms of its deficiency in some field crops. 028364
Effect of cross-reinnervation on *physiological* **parameters** and on properties of myosin and sarcoplasmic reticulum of fast and slow muscles of the rabbit. 023527
Phase maps for particles and microorganisms in animal quarters [for *physiological* **parameters].** 023578
Host relations and distribution of a *physiological* and **pathological** variant of Pseudomonas morsprunorum [Sweet-cherry trees, leaf spot]. 028131
Some *physiological* and **pharmalogical** characteristics of the stimulus induced release of norepinephrine from the rabbit superior cervical ganglion. 023598
Physiological **plant** pathology: a multidisciplinary science. 028421
Physiological **principles** of dryland crop production. 026962
Physiologic **races** of oat crown [Puccinia coronata avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. 027938
The present status of applied **reproductive** *physiology* in animal production [Sheep]. 024188
The relative importance of monoamine oxidase and catechol-O-methyl transferase on the *physiologic* **response** to administered norepinephrine in the turkey. 023382
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a *physiological* **role** of the neopulmo in respiratory gas exchanges. 023377
Hormone mediated integration of **seedling** *physiology* [Barley]. 026882
Evidence for three glutamic acid transporting systems with **specialized** *physiological* functions in Saccharomyces cerevisiae [Yeast]. 026393
Effect of the *physiological* **state** and cyclic 3'5' adenosine monophosphate on the intracellular transit and excretion of milk proteins. Autoradiographic study in the. 023532
Herbage intake and grazing behaviour in ewes of four breeds at different *physiological* **states.** 023696
Plutonium in mammals: influence of plutonium chemistry, route of administration, and *physiological* **status** of the animal on initial distribution and long-term metabolism. 023419
Internal control of **stomatal** *physiology* and photosynthesis. II. Photosynthetic responses to phaseic acid [Grapes]. 027120
Studies on the control of scald *[physiological* **storage** disease] of Holsteiner Cox apple variety. 022957
The ecology of Eupatorium odoratum L. II. *Physiological* **studies** of Eupatorium odoratum from the new and old world tropics. 025907
Physiological **studies** of developing and ripening fruit of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during cell division. 027298
Physiological **temperature** response and embryonic mortality in stressed swine. 023224
Heart disease in dogs, 10 years of diagnostic activity at the Institute of **Veterinary** *Physiology.* 024902

PHYSIOPATHOLOGY
Swine *physiopathology:* Prophylaxis and treatment of piglet diseases. 024708
Swine *physiopathology:* Fetal and newborn immunity. 2. 024709
Swine *physiopathology:* Prophylaxis and treatment of [infectious] piglet diseases. 2. [Vaccination]. 024710

PHYTOCHEMISTRY
New **Zealand** *phytochemical* survey. 11. The essential oil of Araucaria heterophylla (syn. Araucaria excelsa). 026688

PHYTOCHROMES
Photoactivation of NAD [nicotinamide adenine dinucleotide] kinase through *phytochrome* [from **Avena** coleoptiles]. 026790
Phytochrome **control** of the lag phase of chlorophyll accumulation in Lemna minor. 026448
Control by *phytochrome* of **cytoplasmic** and plastid rRNA accumulation in cotyledons of mustard [Sinapis alba] seedlings in the absence of photosynthesis. 026787
Photoreversible binding in vitro of **cytosolic** *phytochrome* to particulate fraction isolated from pea epicotyls. 027278
Photocontrol of *phytochrome* **destruction** in grass [oats, maize] seedlings. The influence of wavelength and irradiance. 027002
Phytochrome **intermediates** in freeze-dried tissue [Peas]. 027279
Association of *phytochrome* with **rough-surfaced** endoplasmic reticulum fractions from soybean hypocotyls. 027017
Distribution and nonphotochemical transformation of *phytochrome* in **subcellular** fractions from Pisum [sativum, peas] epicotyls. 027267

PHYTOESTROGENS
A method for separaing estrogens and *phytoestrogens* [in **animal** fluids] on Sephadex LH-20 columns. 023654
Influence of *phytoestrogens* on **milk** productivity of cows [Feed supplements]. 023957

PHYTOGEOGRAPHY
Leafy Hepaticae of Montana and *phytogeographic* **relationships** to neighboring states and provinces. 029545

PHYTOHORMONES
Influnece of the culture method on the *phytohormone* **excretion** of pea roots. 027127

PHYTOLACCA
Diuretic effect of an extract from the roots of *Phytolacca* **dodecandra** l'Herit in the rat. 023273

PHYTOMYZA
Use of *Phytomyza* in **Rostov** Region [for Orobanche control]. 028633

PHYTOPATHOGENS
Antimicrobial action of Pseudomonas on *phytopathogenic* **bacteria.** 028138
Methods of determining the amount of sores produced by rust and other *phytopathogenic* **fungi.** 028014

PHYTOPATHOLOGY
Julius Kuhn, im memory of the founder of **modern** *phytopathology.* 028331
Phytopathology today: **threat** of plant diseases to our crops. 028447

PHYTOPHAGOUS
Determination of the diet of *phytophagous* **animals,** based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of silica bodies based on scanning. 025883
Spatial distribution of *phytophagous* **beetles** in southeastern Karakum. 029603

PHYTOPHTHORA
Control of black stripe disease *[Phytophthora* **botryosa]** of rubber. 028083
Use of safflower seedlings for the detection and isolation of *Phytophthora* **cactorum** from soil and its application to population studies. 028064
A new method for quantitative direct observation of sporangia of *Phytophthora* **cactorum** (Leb. et Cohn) Schroet, [Plant pathogens] in the soil. 028104
Capsidiol induction in pepper fruit during interactions with *Phytophthora* **capsici** and Monilinia fructicola. 028049
Ultrastructural changes in pepper cells in interactions with *Phytophthora* **capsici** (isolate 18) and Monilinia fructicola. 028063
Physiological differences among isolates of *Phytophthora* **cinnamomi** [Fungi]. 026455
Phytophthora **cinnamomi**—an ancient immigrant to Australia. 028094
Control of *Phytophthora* **[diseases]** of the potato. 027996
Phytophthora **diseases** can be avoided [Tomatoes]. 027998
Notes on the formation of sporangia in *Phytophthora* **drechsleri** tucker. 027871
The spread of potato blight, *Phytophthora* **infestans** (Mont.) de Bary, as influenced by sprinkler irrigation. 027909
Mechanism of the hypersensitive cell-death in host-parasite interaction [Potatoes, *Phytophthora* **infestans].** 027972
Overwintering, sources of infection and development cycle of *Phytophthora* **infestans** (Mont.) de By. [Late blight of potatoes]. 028017
The status of "tomato" races of *Phytophthora* **infestans** [Late blight]. 028031
Ontogenetic predisposition of tomato foliage to race O of *Phytophthora* **infestans** [Late blight]. 028058
Rough lemon tree decline *[Phytophthora]* **peroxidase** activity, isoenzymes and respiration rate of the leaves. 027892

PHYTOPLANKTONS
Phytoplankton **[Algae]** biomass, species composition and primary production at a nearshore and a midlake station of Lake Ontario during IFYGL (IFYGL) International Field Year for the Great Lakes. 025800
Modeling of *phytoplankton* **[Algae]** in Lake Ontario. 026804
Storm induced relationships among chemical conditions and *phytoplankton* **[Algae]** in Saginaw Bay and western Lake Huron. 026805
Removal of *phytoplankton* **[Algae]** from water. 030985
Inhibitors produced by algae as an ecological factor affecting bacteria in water ecosystems. I. Dependence between *phytoplankton* and **bacteria** development. 025854
Fluctuations of *phytoplankton* **biomass** and its composition in a subarctic lake during summer. 026443
Fluctuations of *phytoplankton* **biomass** and its composition in a subarctic lake during summer. 026444

Limnological studies in Kashmir lakes. IV. Seasonal dynamics of *phytoplankton* in the **Dal** and Nagin. 026807
Response of **estuarine** *phytoplankton* to environmental conditions [Algae]. 025902
The use of insitu algal assays to evaluate the effects of sewage effluents on the production of Shagawa **Lake** *phytoplankton*. 030863
Nitrogen utilization during spring blooms of **marine** *phytoplankton* in Bedford Basin, Nova Scotia, Canada. 026667
Seasonal studies on the relative importance of different size fractions of *phytoplankton* in **Narragansett** Bay (USA). 026669
The effects of mercury on the photosynthesis and growth of estuarine and **oceanic** *phytoplankton* [Algae]. 028372
Utilization of energy by primary producers *[Phytoplankton]* in four **ponds** in northwestern Florida. 026548
Vertical interactions in *phytoplankton* **populations**—an asymptotic Eigenvalue analysis [Algae]. 025920
Summer *phytoplankton* blooms and red tides along tidal fronts in the approaches to the English channel. 026691

PHYTOSEIIDAE
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: *Phytoseiidae)* **[Integrated** mite control, Tetranychus mcdanieli, apples]. 028819
Amblyseius bibens (Acarina: *Phytoseiidae),* a **predator** of spider mites (Tetranychidae) in Madagascar [Biological control]. 028645
Predacious mites (Acarina: *Phytoseiidae)* on **sprayed** apple trees at Bathurst (N.s.w.). 028381

PHYTOSOCIOLOGY
Phytosociological **changes** in permanent grasslands on pumice soils caused by molybdenum application. 025861
The application of association analysis for *phytosociological* **interpretation** of plant communities in Las Piwnicki Nature Reserve near Torun. 025855

PHYTOTOXIC
Phytotoxic **action** of desmedipham: influence of temperature and light intensity [Sugarbeets, plant injuries]. 028456
Phytotoxic **grass** [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of ponderosa pine. 028451
Isolation and characteristics of *phytotoxic* **substance** produced by Fusarium lateritium Nees. 028013
Phytotoxic **substances** contained in sawdust [inhibitory effect on the growth of wheat]. 028409
Volatile *phytotoxic* substances formed by litter of Pinus radiata [inhibiting seedling growth of white clover and Lolium perenne]. 028397

PHYTOTOXICITY
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a soil culture [of microorganisms; *phytotoxicity* **assay** with wheat seedlings]. 028536
Relative *phytotoxicity* of some picloram [herbicide] derivatives [Sunflowers]. 028338

PHYTOTRON
The growing of cereals in the **Martonvasar** *phytotron* [for breeding purposes]. 026269

PICEA
The influence of sulfur dioxide and hydrogen fluoride on free amino acids of spruce *[Picea* **abies].** 025025
Investigations on the timber quality of silver fir [Abies] and Norway spruce *[Picea* **abies]** from selection stands. 025296
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of sweetgum and spruce [Liquidambar styraciflua, *Picea* **abies].** 025362
Studies on the supermolecular structure of cell wall components. 4. Composition of the fractions from ion exchange chromatography *[Picea* **abies,** holocellulose]. 025492
The flowering biology of Norway spruce *[Picea* **abies]**—an obstacle to a rational program for tree breeding? 027340
Productivity of the ant Formica dakotensis in a spruce *[Picea]* **bog.** 1. Observed and estimated densities of the colonies. 029381
Interspecific relationships and the question of introgression between *Picea* **engelmannii** and Picea pungens. 025885
Leaf water stress in Engelmann spruce *[Picea* **engelmannii]:** Influence of the root and shoot environments. 027336
Synthesis and regeneration of proteins in isolated roots of Pinus sylvestris and *Picea* **excelsa** in a sterile culture. 027322
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae) *[Picea* **glauca,** Abies balsamea]. 028927
Geographic variation in *Picea* **glehnii.** I. Differences in seedling height and bud-opening date among twelve seed sources. 027326
Ecological effects of timber clearng **[Pinus,** *Picea].* 025237
"Atropellis [treleasei] canker" on **planted** *Picea* abies in Hokkaido, Japan. 027993
Interspecific relationships and the question of introgression between Picea engelmannii and *Picea* **pungens.** 025885
Preliminary investigations on the suitability of phloem analysis as a diagnostic tool to predict the nutritional status of Norway **spruce** *(Picea* abies Karst.). 027317
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway **spruce** *(Picea* abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Effects of timing of fertilization of young **spruce** *[Picea].* 030460

PICHIA
Pyridine nucleotide-linked oxidation of methanol in methanol-assimilating yeasts *[Pichia* **pinus,** Candida boidianii]. 026625
The regulation of riboflavin synthetase synthesis by iron in flavinogenic yeasts *[Pichia,* **Torulopsis,** Candida, Schwanniomyces occidentalis]. 026400
Synthesis of beta-glucanase and other extracellular proteins by cells and protoplasts of the **yeast** *Pichia* polymorpha. Effect of 2-deoxy-D-glucose. 026382

PICLORAM
Soil residues of *picloram* **applied** aerially to New Zealand brushweeds [Ulex europaeus, Leptospermum scoparium]. 029159
Some aspects of absorption, translocation and metabolism of 14C **[carbon** *isotope]-picloram* in gorse [Ulex europaeus]. 028569
Picloram for the **control** of leafy spurge [Euphorbia esula]. 028502
Uptake of *picloram* **[herbicide]** by roots of alfalfa and barley. 026934
Relative phytotoxicity of some *picloram* **[herbicide]** derivatives [Sunflowers]. 028338
Photosensitization and **luminescence** of *picloram.* 028520

PICORNAVIRUSES
Study of the vertical transmission and horizontal transmission of Drosophila melanogaster and Drosophila **immigrans** *Picornavirus.* 029225

PIED
Meat efficiency of the F11 generation crossbred of the Slovak Spotted cattle with the **Black** *Pied* Lowland cattle. 022713
Improvement of **Black** *Pied* cattle at the breeding farm Krasnaia Zvezda. 024266
Possibilities for crossbreeding in dual purpose cattle: Holstein Friesian X **Black** *Pied.* 024289
Normal hematological parameters in cattle of the Central Belgian Blue, West Flemish Red and East Flemish **Red** *Pied* breeds. 023239

PIEDMONT
Trials on 11 highbush blueberry cultivars in *Piedmont,* **Italy.** 027711
Legislation on cereals in *Piedmont* in 1800. 021805

PIERIDAE
A remarkable Appias [indra treadawayi]-form from Mindanao **(Lepidoptera,** *Pieridae).* 029582
Notes on Pieris chieranthi **(Lepidoptera,** *Pieridae).* 029585
New Delias from Mindanao **(Lepidptera,** *Pieridae).* 029584

PIERIS
Haemocytic reactions in Lepidoptera pupae. Intensity of the reaction at differents regions of the pupae body of *Pieris* **brassicae.** 029267
Notes on *Pieris* **chieranthi** (Lepidoptera, Pieridae). 029585
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm *[Pieris* **rapae]** in the greenhouse and field. 028874
The control of diamond back moth [Plutella xylostella] and cabbage white butterfly larvae *[Pieris* **rapae]** with phenthoate. 028887

PIGEONPEAS
Somatic variation in Cajanus **cajan** *[Pigeonpeas].* 026134
Persistence of endosulfan [insecticide] on "moong" [mung beans] and "arhar" *[Pigeonpeas]* **crops.** 028845
Occurrence of Heliothis armigera (Hubner) as a serious pest of "arhar" *[Pigeonpeas]* in **Himachal** Pradesh. 028844

PIGEONS
Myotonia and block of chloride conductance by iodide in avian muscle **[Chickens,** *pigeons].* 023222
Ultrastructural observations of amorphous bone mineral in avian bone **[Chickens,** *pigeons].* 023354
Courtship as a reinforcement for key pecking [behavior] in the *pigeon,* **Columba** livia. 023234
A class of lectins present in the tissues of seed plants [Leeks, rape, *pigeon* **peas].** 026386
Precipitation reactions between components of plant tissue extracts [Jackbeans, kidney beans, *pigeon* **peas].** 027123
Avian febrile **response** *[pigeons].* 023545
Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, Cheyletiellidae) and Micromonosora chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the **skin** of *pigeon.* 028989

PIGMENTS
Study on *pigments* of **Acalypha** leaves: influence of water content in acetone solutions on anthocyanins and chlorophylls. 026705
Results of test matings with *pigmented* **Angora** goats. 023975
Antioxidants and *pigments* of **Aspergillus** niger. 026662
Autonomous *pigment* movement in the radial pupil of locust ocelli [Valanga nigricornis, Austracorus guttulosa]. 029453
Feeding and *pigmentation* in **aviculture** [Poultry]. 023927
Feeding and *pigmentation* in **aviculture** [Poultry]. 023928
Flavonoid and **ceroptin** *pigments* from frond exudates of Pityrogramma triangularis. 026735
An evaluation of **chloroplast** *pigment* characteristics as an indicator of successional status in terrestrial ecosystems. 025859
A linear dichroism study using chloroplasts of various structure and *pigment* **composition** [Maize]. 027001
The effect of the age of the leaf on the accumulation of certain plastic substances, *pigments* and **essential** oils in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. 026837
Pigment **evolution** in Lycopersicon esculentum [tomato] fruits during growth and ripening. 027248
Phycobilisomes: **light-harvesting** *pigment* complexes [Chlorophyll, photosynthetesis]. 026419
Flavin as an active component of the **photoreversible** *pigment* system of the green alga Protosiphon botryoides Klebs. 026697
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing **photo-synthetic** *pigment* composition. 026599
Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing **photosynthetic** *pigment* composition. 026600
Accumulation of an adcrusting substance in the *pigment* **strand** of a diploid and a tetraploid wheat. 026922
Accumulation of an adcrusting substance in the *pigment* **strand** of a diploid and a tetraploid wheat. 026923
Dinoflagellate phototaxis: *pigment* **system** and circadian rhythm as related to diurnal migration [Algae]. 026586
Ultrastructure of the *pigmentary* **system** and chromatophorotropic activity in land isopods. 029254

PIGS
The use of the *pig* as an **aimal** model to study problems associated with low birthweight. 023580
Copper requirement of **baby** *pigs* on casein diets. 023887
Manganese requirement of the **baby** *pig.* 023895
L-lysine and DL-methionine supplements in **barley-soy** *pig* diets. 023864
Piglet **barns** for early weaning with help of batteries. 029925
Selection of heating installations for *piglet* **barns.** 029947
Leaf analysis for prediction of **bitter** *pig* [in apples]. 028306
Studies on the contents of free amino acids, inosinic and lactic acids in the lean meat from *pigs* of different **body** weights at slaughtering. 022647
The potential for improvement in the **Canadian** *pig* industry. 021785
Inactivation of rabbit, *pig,* and **carp** adenylate kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298
An epizootic outbreak of ringworm in a *guinea-pig* **colony** caused by Trichophyton mentagrophytes [Fungi]. 024635
The pH1 [hydrogen-ion concentration] of longissimus dorsi muscle in purebred and **commercial** *pigs.* 022692
Clinical evaluation of efficacy of Neomix (SPOFA) in the control of atrophic rhinitis in *pigs.* **Comparison** of efficacy of Neomix to that of Gallimycin (Abbott), Spectane (Abbott) and Pro-Gene (Abbott). 024757
The effect of physical training on skeletal muscle enzyme **composition** in *pigs.* 023195
Amino acid content and digestible energy value of sprouted, rust-affected and sound wheat in *pig* **diets.** 023015
Waxy vs normal barley in rat and *pig* **diets.** 023868
Rice bran composition and **digestibility** by the *pig.* 023865
Isolation in France and characterization of a porcine corona-like virus (vomiting and wasting **disease)** *[Piglets].* 024683
Swine physiopathology: Prophylaxis and treatment of *piglet* **diseases.** 024708
Swine physiopathology: Prophylaxis and treatment of [infectious] *piglet* **diseases.** 2. [Vaccination]. 024710
Reproductive **disorders** in *pigs.* 024356
Physiological aspects of sperm transport in the **domestic** *pig,* Sus scrofa. I. Semen deposition and cell transport. 024046
The nursing and suckling behaviour of *pigs.* IV. The **effect** of interrupting the sucking stimulus. 023343

Changes in milk composition during lactation in the *guinea-pig*, and the **effect** of prolactin. 023513
Effects of in-vitro treatment of boar spermatozoa with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of *pig* **eggs.** 024118
Studies on porcine enteroviruses. I. Isolation of enterocytopathogenic agents from cases of *piglet* **enteritis.** 024554
Persistence of tetracycline resistance in *pig* **Escherichia** coli. 024660
Feeding *pigs* for profit. 023806
Butanediol as an energy source for *pigs* **[Feeding].** 023885
Movement of **feral** *pigs* in North Canterbury, New Zealand [vectors of contagious disease, cattle, sheep]. 024607
Androgens in testes and adrenal glands of the **fetal** *pig*. 024133
Effects of soybean oil meal as the whole source of protein on rate of gain and feed efficiency of growing and **finishing** *pigs*. 023836
Price of *piglets* in **focus.** 021649
Distribution of cholesteryl esters and other lipids in subcellular fractions of the adrenal **gland** of the *pig*. 023584
Influence of cooking upon the nutritive value of potato and maize in diets for **growing** *pigs*. 023777
Subcutaneous injections of raw egg white into **growing** *pigs* [Nutrition]. 023901
High moisture, acid-treated opaque-2, waxy and dent corn rations for **growing-finishing** *pigs*. 023893
Utilization of inorganic sulfur by **growing-finishing** *pigs*. 023904
Changes in fatty acid and triglyceride compositions of porcine tissue lipids associated with **growth** of *pigs*. 023572
Changes in ascorbic acid metabolism of the offspring following high maternal intake of this vitamin in the pregnant **guinea** *pig*. 022027
Effects of ascorbic acid on health parameters in **guinea** *pigs*. 022034
Cholesterol esterification and lipids in plasma and liver from newborn and young **guinea** *pigs* raised on milk and non-milk diet. 022170
Influence of substance P on the response of **guinea** *pig* ileum to transmural nerve stimulation. 023185
Enzymes of glycerolipid synthesis in small-intestinal muscosa of foetal and neonatal **guinea** *pigs*. 023277
Evidence for 16alpha-hydroxylation of estrone 3-sulphate by **guinea** *pig* liver slices. 023355
A leukocyte migration inhibition assay technique using blood clot fragments in vitro **[Guinea** *pigs*, immunization]. 023397
The development of the **guinea** *pig* gallbladder epithelial cells. I. Light microscopical and carbohydrate-histochemical investigations. 023423
Regulation of hepatic gluconeogenesis in the **guinea** *pig* by fatty acids and ammonia. 023487
Structural and thermodynamic basis of affinity in anti-dinitrophenyl [Rabbits, goats, **guinea** *pigs]* antibody. 024462
Histocompatibility antigens and genetic control of the immune response in **guinea** *pigs*. II. Specific inhibition of antigen-induced lymphocyte proliferation by anti-receptor alloantisera. 024514
Studies on sperm antigenicity. IV. Lymphocyte cytotoxicity in cell-mediated response to homologous spermatozoa **[Guinea** *pigs]*. 024517
Evaluation of primary blood monocyte and bone marrow cell culture for the isolation of Rickettsia rickettsii **[Guinea** *pigs*, monkeys]. 024574
Development of Angiostrongylus cantonensis in rats, mice and **guinea** *pigs*. 024620
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in **guinea** *pigs* by feeding bracken fern (Pteridium aquilinum). 025003
The response of *pigs* to **heat** stress at 50 and 100 kilograms. 024895
Supplementary heat for *piglets* **[Housing,** heating equipment]. 029948
Mitochondrial reorganizaion following stimulation by HCG [human hchorionic gonadotropin] of testis Leydig cells from **hypophysectomized** *pigs*. 023352
Efficacy of Ambilhar [niridazole] (Ciba) in experimental schistosomiasis [Schistosoma] **incognitum** in *pigs*. 024562
The *pig* **industry** in Britain—developments and forecasts. 021784
Aujeszky's disease, future threat to *pig* **industry?** 024666
Food intake regulation in *pigs*. IV. The **influence** of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. 023716
Vocalizations of **isolated** *piglets*. 1. Sources of variation and relationships among measures. 023250
Hormones concentrations in the plasma of *pigs* **kept** under different management systems. 023252
The effects of Mycoplasma hyorhinis and of Mycoplasma hyopneumoniae on *pig* **kidney** primary tissue culture. 024480
Control of Paraspidodera uncinata in *guinea-pigs* with **levamisole.** 024637
Linking *pig* prices to feed costs. 021425
The transfer of mannose to dolichol diphosphate oligosaccharides in *pig* **liver** endoplasmic reticulum. 023294
Reconstitution of *pig* **lymphocyte** plasma membranes from solubilized components, with particular reference to membrane-associated immunoglobulins. 023285
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some non-virilizing steroids on the growth and fattening of castrated **male** *pigs*. 023872
Incidence of Salmonella in *pig* **meat** in west Bengal and its public health significance [Food contamination]. 021902
Effects of severe energy and protein deficiencies on the fibres and nuclei in skeletal **muscle** of *pigs*. 024828
Proteinuria in **neonatal** *piglets* after oral and intravenous administration of homologous colostrum and serum proteins. 023449
Studies on Japanese encephalitis live vaccine. II. Development of an attenuated strain of virus (Anyang strain) [isolated from **new-born** *piglet]*. 024692
Hexachlorobenzene. IV. Accumulation and elimination of HCB in *pigs* after **oral** dosing [Fungicide, residues]. 024983
Effect of level of feeding during lactation on sow and *pig* **performance.** 023761
Effect of rice bran on *pig* **performance** and carcass. 023859
Endogenous 11-hydroxy-corticosteroids in **Pietrain** *pigs*, German Large White pigs and Pietrain X Large White crosses and their relationship to meat quality. 023686
Experimental infection of *pigs* with **porcine** parvovirus. 024488
Embryonic and placental development during prolonged inanition in the *pig* **[Pregnancy].** 023212
The lipolytic activity of two porcine growth hormone **preparations** in *pigs*. 023645
Pig **prices** drop with market price. 021576
The role of H1 and H2-receptors in the coronary vascular response to histamine of isolated perfused hearts of *guinea-pigs* and **rabbits.** 023334
Metabolic and behavioral consequences of a short period of malnutrition in the neonatal life of the **rat** and *pig*. 024880
The addition of citric acid to *piglet* **rations.** 023966
A comparison of vitreous and soft endosperm high-lysine and common maize in diets for growing **rats** and *pigs*. 023755
Isoimmune anti-A blood group **reagents** in *pigs*. 024404
Piglets **reared** from gas infrared rays. 029926
Protein, and amino-acid requirements of poultry, *pigs* and **ruminants.** 023850
Studies in tuberculin sensitivity in livestock in Ceylon. V. Patterns of **sensitivity** in *pigs*. 024500
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric lymph nodes of normal **slaughter** *pigs*. 024416
Pig **starter** [ration] studies. 023897
The effect of ACTH [corticotropin] on glucocorticoids in stress-susceptible and **stress-resistant** *pigs*. 024894
Some observations on the possible nutritional significance of vitamin B12-and folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by **suckling** *piglets*. 023705
The anatomy, histology and biogenic compounds of the carotid body of the *pig* **(Sus** scrofa). 023178
Cyclic AMP [adenosine monophosphate] in longissimus muscle from control and stress **susceptible** *pigs*. 022675
Comparison of free amino acids in blood serum of men and animals. II. Man, rabbit, *guinea-pig*, **swine.** 023676
Vomiting and wasting disease in *piglets* in **Switzerland.** 024716
Zinc deficiency and protein **synthesis** in the *pig*. 023646
Pig **testing** in Denmark. 1. 023137
Pig **testing** results [Boar progeny tests completed during the period December 1974—July 1975]. 023973
Adenosine deaminase in the *pig:* **tissue-specific** patterns and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. 023976
Effects of temperature and level of feeding during rearing on carcass and reproductive **traits** in *pigs*. 023586
Palm kernel meal as the major protein concentrate in the diets of *pigs* in the **tropics.** 023778
Effects of oestradiol and progesterone on the in vitro production of prostaglandin F2alpha by the *guinea-pig* **uterus.** 024044
Dietary caloric density and caloric **utilization** by *pigs*. 023888
When and how to **wean** *piglets*. 023159
Effect of replacing barley with tapioca meal at two different levels of feeding on the growth and health of early **weaned** *pigs*. 023792
The method of early **weaning** of *piglets*. 023731
Protein evaluation of triticale varieties [as feed] for **weanling** *pigs*. 023898
Endogenous 11-hydroxy-corticosteroids in Pietrain pigs, German Large **White** *pigs* and Pietrain X Large White crosses and their relationship to meat quality. 023686
The heritability of pH1 [hydrogen-ion concentration] in longissimus dorsi muscle in Landrace and Large **White** *pigs*. 024153
Utilization of amino acids administered enterally or parenterally to **young** *pigs*. 023540
Changes in body fluid compartments with growth in **young** *pigs*. 023625
Lymphocytosis in normal **young** *pigs*. 024830

PILE

Airflow patterns in **conical-shaped** *piles* of grain. 022843
Studies on the determination of the solid volume of a **pulpwood** *pile*. Crooked broadleaved pulpwood, large-sozed pulpwood and coniferous [Beutla] pulpwood of approximate length. 025293
Heating and weight-loss sequences in maple [Acer **saccharum]chip** *piles* and the effect of borax. 025509
Lateral behavior of a double **sheet** *pile* wall structure [Soil reaction]. 030357

PILOT

Performance studies on a *pilot-scale* **activated-sludge** plant [Wastewater treatment]. 030976
Adjunct fermentation: trials in a **10-hl** *pilot* brewery [Beermanufacture]. 022386
Design, construction and start-up of *pilot* **malting,** brewing, and storage facilities. 022545
Community reactions to odors from pulp mills: a *pilot* **sudy** in Eureka, California. 030886

PIMA

Growth and fruiting of **two** *Pima* cottons. 027056

PIMENTO

Effects of spacing and nitrogen level on growth and yield of *pimento* **[Capsicum** annum]. 027716

PINEAL

The effect of luteineizing hormone on chicken testis and *pineal* **gland** uptake of 32P [phosphorus isotope]. 024070
Mode of secretion of *pineal* **melatonin** in the chicken. 023417
The occurrence of hydroxyindole-O-methyltransferase activity in fetal **sheep** *pineal* tissue and its relationship to preparturient endocrine changes. 024130

PINEAPPLES

Effects of fertilizers on fruit length and yield of ratoon Smooth **Cayenne** *pineapple* crop in Sierra Leone. 030396
Investigations on optimum plant population for *pineapples* in **Kenya.** 027614
Black rot' [Thielaviopsis paradoxa] of *pineapple*—a **new** record from south India. 027943
Economics of *pineapple* **production** under various planting densities. 027760
Quantitative determination of some biogenic amines in *pineapple* **products.** 022873
Synthesis of dihydro-2,3 hydroxy-5 [4H] pyrones-4, a new analogue of dihydromaltol **[Strawberries,** *pineapples]*. 027296
The influence of flowering compounds on **'Sugarloaf'** *pineapple* (Ananas comosus (L.) Merr.) in Ghana. 027088
Biochemical changes associated with growth and development of *pineapple* **variety** Kew. IV. Changes in major lipid constituents. 027179

PINENE

Isomerization of resin turpentine without *pinene* on a **titanium** catalyzer in the liquid phase. 025310

PINK

Association of *pink* **albino** seedlings with a radiation-induced translocation of cucumber. 026118
Influence of genetic selection on diapause termination of the *pink* **bollworm** [Pectinophora gossypiella]. 028708
Influence of temperature on adult biology and population growth of Bracon kirkpatricki [parasite of the *pink* **bollworm,** GPectinophora gossypiella]. 028709
Dispersal and mating in the field by **male** *pink* bollworm, Pectinophora gossypiella, labeled with 32P [phosphorus isotope]. 026952

PINUS

Phenolic acids of the bark of Pinus silvestris, Pinus sibirica, and *Pinus* **abies** nephrolepis. 025277
Endogenous gibberellins of pine pollen. II. Changes during germination of *Pinus* **attenuata,** Pinus coulteri, and Pinus ponderosa pollen. 027335
Main pulping characteristics of Scots [Pinus silvestris] and **Austrian** *pine* [Pinus nigra] damaged by Rhyacionia buoliana Schiff. 028935
Debarking chips from whole trees [Populus, Acer saccharum, *Pinus* **banksiana]** in the Lake States. 025534
Influence of semipurified constituents of juvenile jack pine, *Pinus* **banksiana,** foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
The *pine* **bark** bug, Aradus cinnamomeus Panz. (Hemiptera, Heteroptera). A contribution to the knowledge of its life cycle and significance in forestry. 028955
Growth characteristics of two populations of Pinus rigida Mill. from the *pine* **barrens** of New Jersey. 027315
Studies on the grafting technique of *Pinus* **brutia.** 025239
The native vegetation in south Florida related to month of [prescribed] **burning** *[Pinus]*. 025258
Influence of semipurified constituents of juvenile jack pine, Pinus banksiana, foliage and other *pine-derived* **chemicalson** feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921

A timber-water simulation model for lodgepole pine *[Pinus* **contorta** latifolia] watersheds in the Colorado Rockies. 025071
Graft incompatibility in *Pinus* **contorta.** 025256
[Fungal] pathogens observed on lodgepole pine *[Pinus* **contorta** latifolia] grown in Finland. 027955
Resin canker [Cronartium flaccidum, **control,** *Pinus].* 028117
The status of Crumenula sororia infections in crops of **Corsican** *pine* [Pinus nigra maritima]. 027953
Endogenous gibberellins of pine pollen. II. Changes during germination of Pinus attenuata, *Pinus* **coulteri,** and Pinus ponderosa pollen. 027335
The use of **decomposed** *pine* bark [waste] as a substrate for growing Gerbera. 030406
Physiological and morphological properties of the Japanese black and red pine trees (Pinus thunbergii Parl. & *Pinus* **densiflora** Sieb. et Zucc.) on the resistance to air pollution. 025014
Histological responses of Japanese red pine *[Pinus* **densiflora]** needles exposed to sulfur dioxide [Injury]. 025037
Bacterial behaviour in the rhizosphere of *Pinus* **densiflora** infected by Tricholoma matsutake. 027318
Morphological variability among loblolly [Pinus taeda] and shortleaf [Pinus echinata] *pines* of **east** Texas with reference to natural hybridization. 025182
Rate of selective cutting in Far **Eastern** *pine* forests [USSR]. 025137
Prescribed burning for improving pine [Pinus taeda, *Pinus* **echinata]** production and wildlife habitat in the hilly Coastal Plain of Alabama. 025179
Morphological variability among loblolly [Pinus taeda] and shortleaf *[Pinus* **echinata]** pines of east Texas with reference to natural hybridization. 025182
Effects of three forest species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, *Pinus* **elliottii,** Melinis minutiflora, reclamation]. 025013
Fifteenth-year results from progeny tests of slash pine *[Pinus* **elliottii].** 025264
Within-crown distribution of cone and seed insect damage to slash pine flowers, conelets, and cones *[Pinus* **elliottii,** pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938
Effect of mineral fertilizers on growth of *pines* in a **fairly** moist pine forest. 027328
Economics of **fertilizing** *pine* [Pinus] stands in the Oberpfalz using calcium-ammonium nitrate. 030458
Mineral fertilizer requirements of *pine* in the **forests** of Estonia. 030496
The effect of fertilizers on the yield of mushrooms in *pine* **forests** located in the region along the middle part of Angara River. 030503
Determination of resin content of **fresh** *pine* stumps on the basis of one cross-cut. 025303
Economic effectiveness of the application of mineral fertilizers in **growing** *pine* stands in Voronezh Region [Costs, returns]. 025106
Study of nitrogen metabolism of *Pinus* **halepensis** Mill.: arginase. 027309
Prescribed burning for **improving** *pine* [Pinus taeda, Pinus echinata] production and wildlife habitat in the hilly Coastal Plain of Alabama. 025179
Influence of semipurified constituents of juvenile **jack** *pine,* Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
Animal influences on **Japanese** *pine* [Pinus] seeds of the forest floor. II. Seed input and output of seedling with seed coat. 025039
Results of marketing Louisiana-grown Christmas trees *[Pinus,* **Juniperus** virginiana, Cupressus arizonica]. 025460
A timber-water simulation model for **lodgepole** *pine* [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071
[Fungal] pathogens observed on **lodgepole** *pine* [Pinus contorta latifolia] grown in Finland. 027955
Environmental factors affecting brown-spot [Scirrhia acicola] infection on **longleaf** *pine* [Pinus palustris]. 028053
Low-temperature-induced cankers and burls [injuries] in test conifers and hardwoods *[Pinus,* **Malus,** Tilia cordata, Ulmus]. 025018
Effect of mineral fertilizers on growth of pines in a fairly **moist** *pine* forest. 027328
Resistance to Cronartium ribicola in *Pinus* **monticola:** an analysis of needle-spot types and frequencies. 027921
Research activity in some forest pathology institutes in the United States of America: report of a study trip *[Pinus* **monticola,** Cronartium ribicola, Cronartium fusiforme]. 027988
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: Scolytidae) from two host species [Pinus ponderosa, *Pinus* **monticola].** 028922
The status of Crumenula sororia infections in crops of Corsican pine *[Pinus* **nigra** maritima]. 027953
Main pulping characteristics of Scots [Pinus silvestris] and Austrian pine *[Pinus* **nigra]** damaged by Rhyacionia buoliana Schiff. 028935
Environmental factors affecting brown-spot [Scirrhia acicola] infection on longleaf pine *[Pinus* **palustris].** 028053
Feeding and reproductive behavior of Ips avulsus **[pest** of *Pinus].* 028937
Comparisons among isolates of Gremmeniella abietina *[Pinus* **pests]** by means of growth rate, conidia measurement, and immunogenic reaction. 027916
Ecological effects of timber clearng *[Pinus,* **Picea].** 025237
Pyridine nucleotide-linked oxidation of methanol in methanol-assimilating yeasts **[Pichia** *pinus,* Candida boidianii]. 026625
Metric-unit volume equations for southern **pine** *[Pinus].* 025144
The relation between nutrition state and yield of Scotch **pine** *(Pinus* sylvestris L.) in north eastern Bavaria. 025189
Production of gibberellin-like substances by fungi isolated from mycorrhizae of **pine** *(Pinus* silvestris L.). 026323
How to keep one-third of Georgia in *pine* **[Pinus,** rotation]. 025253
Production of gibberellin-like substances by fungi isolated from mycorrhizae of *pine* **(Pinus** silvestris L.). 026323
Effect of a large area nitrogen fertilization by airplane on volume increment of *pine* **[Pinus]** stands in the Bodenwohr Forestry District in Bavaria. 030459
Pitsunda pine *[Pinus* **pithyusa** Stev.]. 025236
First indications on the mycorrhiza and micorrhizal fungi of exotic *[Pinus]* **plantations** of Upper Shaba (Zaire Republic) [Morphological study]. 025963
Endogenous gibberellins of *pine* **pollen.** II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus ponderosa pollen. 027335
Differentiated callus nodules in resin pockets of *Pinus* **ponderosa** Laws. 025464
Endogenous gibberellins of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and *Pinus* **ponderosa** pollen. 027335
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of **ponderosa** *pine.* 028451
Distribution of Rhyacionia neomexicana eggs within **ponderosa** *pine* [Pinus ponderosa] trees. 028919
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: Scolytidae) from two host species *[Pinus* **ponderosa,** Pinus monticola]. 028922
Forest insect research at Kansas State Univeristy. 1974 [Rhyacionia, *Pinus* **ponderosa,** Pinus sylvestris]. 028940
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to western pine beetle *[Pinus* **ponderosa]** attack. 028945
Compression wood in *Pinus* **radiata** clones on four different sites [Influence of genotype]. 025220
General and specific combining ability in eight selected clones of *[Pinus]* **radiata** pine. 025221
Selective pruning of *[Pinus]* **radiata** pine. 025222
Red band disease [Dothistroma pini] of *Pinus* **radiata.** 027940
Copper deficiency in *Pinus* **radiata** in a peat soil nursery. 028396
Volatile phytotoxic substances formed by litter of *Pinus* **radiata** [inhibiting seedling growth of white clover and Lolium perenne]. 028397
Preliminary investigations with DPX 3674 for weed [Pteridium aquilinum, Cortaderia fulvida] control in *[Pinus* **radiata]** forestry. 028565
Control of herbaceous weeds in Blackwood Valley pine *[Pinus* **radiata]** plantations. 028582
Influence of soil type on the nitrogen and phosphorus content of *[Pinus]* **radiata** pine litter. 030264
Physiological and morphological properties of the Japanese black and **red** *pine* trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Histological responses of Japanese **red** *pine* [Pinus densiflora] needles exposed to sulfur dioxide [Injury]. 025037
Undergrowth vegetation effects on the nutrient content of litterfall and soils in **red** *pine* [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897
Growth characteristics of two populations of *Pinus* **rigida** Mill. from the pine barrens of New Jersey. 027315
How to keep one-third of Georgia in pine *[Pinus,* **rotation].** 025253
The relation between nutrition state and yield of **Scotch** *pine* (Pinus sylvestris L.) in north eastern Bavaria. 025189
Control of needle cast [Lophodermium pinastri] of **Scotch** *pine* [Pinus sylvestris] in South Carolina [Leptostroma]. 028067
Propagation of **Scots** *pine* [Pinus sylvestris] by cuttings [with an extract from Populus tremula and Populus tremuloides]. 025238
Spacing contra quality of the sawn timber from **Scots** *pine* [Pinus sylvestris]. 025500
Southern pine *[Pinus]* **seed** and cone insects. 028959
Production of auxins by [coryneform] bacteria isolated from the roots of *pine* **seedlings** (Pinus silvestris L.). 027303
Animal influences on Japanese pine *[Pinus]* **seeds** of the forest floor. II. Seed input and output of seedling with seed coat. 025039
Phenolic acids of the bark of Pinus silvestris, *Pinus* **sibirica,** and Pinus abies nephrolepis. 025277
Longitudinal shrinkage of compression wood [of *Pinus* **silvestris]** in dependence on water content and cell wall structure. 025934
Main pulping characteristics of Scots *[Pinus* **silvestris]** and Austrian pine [Pinus nigra] damaged by Rhyacionia buoliana Schiff. 028935
Fifteenth-year results from progeny tests of **slash** *pine* [Pinus elliottii]. 025264
Within-crown distribution of cone and seed insect damage to **slash** *pine* flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938
Metric-unit volume equations for **southern** *pine* [Pinus]. 025144
Southern *pine* [Pinus] seed and cone insects. 028959
A new needle disease of *Pinus* **sp.** In Brazil caused by Cylindrocladium pteridis. 027911
Pine **stands** on the Terek-Kuma sands. 025042
Volumetric tables of trunks for *pine* **stands** in the Briansk Forest Massif. 025107
Growth and productivity of *pine* **stands** on the Kurshiu Niariia sandbar. 025118
Economics of fertilizing pine *[Pinus]* **stands** in the Oberpfalz using calcium-ammonium nitrate. 030458
Effect of a large area nitrogen fertilization by airplane on volume increment of pine *[Pinus]* **stands** in the Bodenwohr Forestry District in Bavaria. 030459
Application of fertilizers in *pine* **stands** with the use of aircraft. 030494
The content of colophony in fresh *[pine]* **stump** wood. 025340
Industrial dust and the viability of *pines* in **suburban** forests of Leningrad [Air pollution, forest damage]. 025035
Propagation of Scots pine *[Pinus* **sylvestris]** by cuttings [with an extract from Populus tremula and Populus tremuloides]. 025238
Spacing contra quality of the sawn timber from Scots pine *[Pinus* **sylvestris].** 025500
Effect of excessive moisture on the anatomic structure of the bark of *Pinus* **sylvestris.** 027320
Synthesis and regeneration of proteins in isolated roots of *Pinus* **sylvestris** and Picea excelsa in a sterile culture. 027322
Control of needle cast [Lophodermium pinastri] of Scotch pine *[Pinus* **sylvestris]** in South Carolina [Leptostroma]. 028067
Comparison of sex pheromone versus an inhibitor for disruption of pheromone communication in Rhyacionia buoliana *[Pinus* **sylvestris].** 028931
Forest insect research at Kansas State Univeristy. 1974 [Rhyacionia, Pinus ponderosa, *Pinus* **sylvestris].** 028940
Prescribed burning for improving pine *[Pinus* **taeda,** Pinus echinata] production and wildlife habitat in the hilly Coastal Plain of Alabama. 025179
Morphological variability among loblolly *[Pinus* **taeda]** and shortleaf [Pinus echinata] pines of east Texas with reference to natural hybridization. 025182
Red-far red reversible effect on polysome formation in the embryos of *Pinus* **thunbergii** seeds. 027337
Physiological and morphological properties of the Japanese black and red pine **trees** *(Pinus* thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, pest of *pine* **trees]** in the Mari Autonomous Soviet Socialist Republic. 028950
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of woodwasps [Sirex noctilio, pest of *pine* **trees,** biological control]. 028951
On the effect of seed origin on growth of *pines* in the **Uralfoothills.** 025201
Control of herbaceous weeds in Blackwood **Valley** *pine* [Pinus radiata] plantations. 028582
Virginia *pine* [Pinus virginiana] as a Christmas tree. 025259
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to **western** *pine* beetle [Pinus ponderosa] attack. 028945
Competition quotient in **young** *Pinus* radiata. 025913

PIPE

Running, **connecting** *pipes* and conversion organs in silos. 029935

PIPELINES

Hydraulic standpipes for underground **irrigation** *pipelines.* 030069
Mechanized irrigation of cotton with **semirigid** *pipelines.* 030070

PIPER

Close relationships in sheath function during inflorescence and flowering [Peperomia caperata, *Piper* **brevipedunculatum,** Leucaena latisiliqua]. 026421

PIPERACEAE

Close relationships in sheath function during inflorescence and flowering *[Peperomia* **caperata,** Piper brevipedunculatum, Leucaena latisiliqua]. 026421
The genus **Macropiper** *(Piperaceae).* 025613

PIPERONYL

Piperonyl **butoxide,** a potent inhibitor of potato spindle tuber viroid in Scopolia sinensis. 028228

PIPTOCEPHALIS

Ultrastructure of the sporangiospore of *Piptocephalis* **unispora** (Mucorales) [Fungi]. 025945

PIROPLASMOSIS

Equine *piroplasmosis:* leukocytic response to Babesia equi (Laveran, 1901) infection in Chile [Horses]. 024475

PISATIN

Inhibitory action of pisatin [a phytoalexin from peas] on spore germination of pathogenic fungi and inactivation of *pisatin* by the **fungi** [Fusarium solani, Cladosporium. 027888

PISTACHIO
Separation of **blank** *pistachio* nuts by mechanical harvesting. 027721

PISTIL
On the publication of van Tieghem's "Recherches sur la structure **du** *pistil* et sur l'anatomie comparee de la fleur" [Research on the pistil structure and comparative anatomy of the flower]. 025572

PISTILLATE
Annotated bibliography on *pistillate* **flower** formation induced by ethrel in pumpkin, 1969-1973. 027286

PISTON
Problems of wear of the working **group** *piston-cylinder* in the engines Z-5501 and Z-V4001. 029999
Wear character of *piston* **rings** of tractor engines of unified range. 030003

PISUM
Efficacy of insecticides and dosage rates applied for control of the Egyptian alfalfa weevil [Hypera brunneipennis] and pea aphid [**Acyrthosiphon** *pisum]*. 028663
A comparison of the reproductive patterns of apterous and alate virginoparous **Acyrthosiphon** *pisum* (Homoptera: Aphididae) [Broadbean pests]. 028715
A modified technique for rearing of the pea aphid [**Acyrthosiphon** *pisum]* on artificial diets. 029324
Estimates of [genetic] variability in some quantitative characters of **pea** *(Pisum* sativum L). 026181
Heterosis in garden **pea** *(Pisum* sativum var. Hortense). 026185
Estimation of ethylene produced by **pea** *(Pisum* sativum L.) plants inhibited with auxin and treated with cytokinin. 027126
Intracellular distribution and multiple molecular forms of ribonucleases in **pea** *(Pisum* sativum) seedlings. 027288
The effect of distant nodulation on the activity of nodules in **pea** *(Pisum* sativum L.) and dwarf kidney bean (Phaseolus vulgaris L.). 027290
Genetic correlations of characters in pea **pod** *Pisum* sativumL. 026153
The steroespecificity of biosynthesis of squalene and beta-amyrin in *Pisum* **sativum** [Peas]. 027258
Distribution and nonphotochemical transformation of phytochrome in subcellular fractions from *Pisum* [**sativum,** peas] epicotyls. 027267
The quiescent centre in excised roots of *Pisum* **sativum** L. [Peas]. 027283
Pea enation mosaic virus resistance among commercial breeding lines of *Pisum* **sativum.** 028266
Notes on Chilean Uredinales [Puccinia habranthi, Puccinia menthae, Uromyces minor]. III. New hosts [Amaryllis belladonna, Majorana hortensis, *Pisum* **vulgare]** for the three species already established. 027891

PITCH
Roll and *pitch* **investigations** of off-road vehicles [Tractors]. 030147
Team-up, *pitch-in* and **speak-out** for tree farming. 025098

PITS
Harvesting and storing in relation to **bitter** *pit* [in apples]. 022864
The mineral composition of apples. Calcium concentration and **bitter** *pit* in relation to mean mass per apple. 022952
Antagonism between calcium and other elements in the apple fruit [the primary cause of **bitter** *pit* development]. 028297
Fruit analysis for prediction of **bitter** *pit* [in apples]. 028303
Influence of nutrition on **bitter** *pit* in apples. 028304
Second discussion meeting on **bitter** *pit* [disease] in apples Bonn, May 15 to 17, 1974. 028307
Soil cultivation and water supply in relation to **bitter** *pit* [in apples, excessive potassium, calcium deficiency]. 028308
The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and fruit thinning [affect **bitter** *pit* development]. 028312
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of *pits* **yielding** pale, soft exudative meat. 021840

PITUITARY
Pituitary and **adrenal** function in foetal sheep during the latter half of gestation. 024107
Studies of the hypothalamus and the *pituitary* **gland,** with special reference to the effects of transection of the pituitary stalk [Includes animals]. 023177
Precocious development of glucuronidating and hydroxylating enzymes in chick embryos treated with *pituitary* **grafts.** 023284
Studies of the hypothalamus and the pituitary gland, with special reference to the effects of transection of the *pituitary* **stalk** [Includes animals]. 023177

PITYROGRAMMA
Flavonoid and ceroptin pigments from frond exudates of *Pityrogramma* **triangularis.** 026735

PLACENTA
Free amino acids in the amniotic fluid of different types of *placenta* [**Cattle,** dogs, rats]. 024251
Embryonic and *placental* **development** during prolonged inanition in the pig [Pregnancy]. 023212
The effect of **massive** *transplacental* iron loading [Rabbits]. 025001
Comparative study of the occurrence of *placental* **prolactin** among mammals [Laboratory animals, sheep, swine]. 023414
Hematocrit of the fetal **rabbit** *placenta.* 023215
Etiology and treatment of *placental* **retention** in the cow—a comparison of three methods. 024862
Physiological evidence consistent with the presence of a specific O2 [oxygen] carrier in the *placenta* [**Sheep].** 024097

PLAGUE
Plague **fights** plague [Nosema locustae control of grasshoppers on forage crops, biological control]. 028701
Electron microscopical study of initial and final stages of **fowl** *plague* virus-replication in chick embryo cells. 024421
Host-range mutant of **fowl** *plague* virus (FPV): comparison of the genome and virus proteins. 024765
Polyadenylate sequences of **fowl** *plague* virus complementary RNA (cRNA) synthesized in vivo and in vitro. 024766
Plague the **pests** [Insects, biological control]. 028639

PLAINS
Rural development in the Great Plains: problems and potentials. Seminar of the Great Plains Resource Economics Committee of the Great *Plains* **Agricultural** Council; October 16-17, 1974, New Mexico State University. 021737
Trees—food—energy. Proceeding: 27th annual meeting, Forestry Committee, Great *Plains* **Agricultural** Council, June 16-19, Lincoln, Nebraska. 025031
Mathematical model for investigating problems of subsurface water dynamics (exemplified by the **Ararat** *plain).* 030768
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and wildlife habitat in the hilly **Coastal** *Plain* of Alabama. 025179
Stormflows and erosion after tree-length skidding on **Coastal** *Plain* soils [Logging equipment]. 025527
Applying Federal rural development programs to Great *Plains* **conditions.** 021731
Great *Plains* **cottonwood** [Populus] research needs. 025191
Rural development in areas of the Great *Plains* with **declining** natural resources: a panel. 021740
Impact of transportation of agricultural inputs and products on rural **development** in the Great *Plains.* 021573
Government programs for the farming **economy** in the Great *Plains.* 021734
An application of the aerial gamma monitoring techniques for measuring snow cover water **equivalents** on the Great *Plains.* 030700
Economics of tree production on **farms** in the Great *Plains.* 025096
Application of fertilizers to different cabbage varieties in a **flood** *plain.* 030486
Windbreak removal trends in the Great *Plains* [**Forest** conservation]. 025032
Current problems and future goals of **forestry** in the Great *Plains.* 025095
Seasonal distribution of pasture production in New Zealand. V. **Gisborne** *Plains.* 026991
The production utilization of seeds [by Pogonomyrmex barbatus, birds, rodents] in *plains* **grassland** of southeastern Arizona. 025895
Economics of rural ambulance service in the Great *Plains* **[Health].** 021073
Efficient reservoir design for playas of the Southern **High** *Plains.* 030735
Ground water map and the agriculture of the Great *Plain* **[Hungary].** 030734
Growing leguminous pastures on the **Lilongwe** *Plain.* 027567
Microflora of soils and rhizosphere of plant-dominants referring to the particular plant associations of the **Meshed-Messerian** *plain.* 025909
Response of an early-maturing corn hybrid to planting date and population in the northern [Great] *Plains* [**North** Dakota]. 027358
From tribe to cooperative: outline of the evolution of **OranHigh** *Plains.* 021306
Development potentials of the Northern Great *Plains:* a **panel.** 021732
Factors affecting rural development in the [Great] *Plains:* a **panel.** 021733
Major problems in rural development unique to the Great *Plains:* a **panel.** 021735
Rural development and quality of life in the Great *Plains:* a **panel.** 021738
Rural development and quality of life in the Great *Plains:* a **panel.** 021739
[Forest] tree and shrub species distribution for Great *Plains* **planting** (by states and years, 1970-1974). 025194
Rural development in the Great *Plains:* **problems** and potentials. Seminar of the Great Plains Resource Economics Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. 021737
Problems unique to the Great *Plains* as **related** to rural development: a panel. 021736
Rural development in the Great Plains: problems and potentials. Seminar of the Great *Plains* **Resource** Economics Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. 021737
Clay minerals of soil forming rocks of the central **Russian** *Plain.* 030285
Biology, ecology and control of insects of native and introduced [forest] trees and **shrubs** on the Great *Plains.* 028939
Goals in *Plains* **States**—windbreak plantings. 025029
Tree planting trends as indicated by distribution of [forest] species in Great *Plains* **States.** 025193
Snow management on the Great *Plains;* **symposium.** July 29, 1975, Bismark, North Dakota. 030705

PLANE
Use of an **inclined** *plane* for correction of ectopic mandibular canine tooth in a dog. 024394
The effect of different *planes* of **nutrition** during growth on the productivity of Holstein cows. 3. Growth to the first calving of two groups at the same body weight. 023877
The effect of different *planes* of **nutrition** during growth on the productivity of Holstein cows. 2. Growth during 18 months of age and 36 months, and productivity during first lactation for two groups calving at the same months of age. 023878

PLANIPENNIA
The larvae of ant **lions** *(Planipennia:* Myrmeleontidae) from France [Identification]. 029539

PLANKTON
Planktonic **diatom** fluctuations in a Northern Arizona Mountain Lake. 026834

PLANTAGO
First ultrastructural observation on the haustorial micropylar cells of *Plantago* **lanceolata.** 025968

PLANTATIONS
Site and growth of the important **bamboo** *plantations* in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the yield tables]. 025080
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar **experimental** *plantation* of Veliko Polje. 025251
Forest *plantations* on some eroded surfaces from agricultural lands. 025229
The creation of **mother** *plantations* and nurseries for the production of vegetatively propagated tea transplants. 027863
Use of softwood broadleaved species from natural forests and *plantations* for **obtaining** sulphate pulp [Poplar wood]. 025525
Control of herbaceous weeds in Blackwood Valley pine [Pinus **radiata]** *plantations.* 028582
First indications on the mycorrhiza and micorrhizal fungi of exotic [Pinus] *plantations* of Upper **Shaba** (Zaire Republic) [Morphological study]. 025963
Drought effects from the 7314 1973 on **softwood** *plantations* on eroded terrains at Chela-Macin in the north of Dobrudja silvo steppe. 025227
Summer sowings of mother *[plantations]* of **sugarbeets** as a factor of increasing the quality of polyploid seeds. 027514
The effect of various methods of trimming on the yield of **tea-bush** *plantations* of different age on podzolic soils. 027864
Examination of power machines of high output, which are applicable for large-scale **vine** *plantations* on sandy soil. 030098

PLANTHOPPERS
Comparative observations on maize rough dwarf virus and other *planthopper-borne,* **reo-like** viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. 028158
Planthopper-transmitted **virus** diseases of cereals in Sweden. 028698

PLANTING
Problems of concentration of industrial **beet** *planting* in Brest Region. 021814
Response of an early-maturing corn hybrid to *planting* **date** and population in the northern [Great] Plains [North Dakota]. 027358
Economic evaluation of differences in *planting* **densities** [Bulbs, costs and returns]. 021356
Spacing experiments on bulbs: principles and practice *[Planting* **densities].** 027629
Economics of pineapple production under various *planting* **densities.** 027760
Narrow row cotton—for Georgia? *[Planting* **density].** 027410
The relationship of Granny Smith apple tree growth and early cropping to *planting* **density** and rectangularity. 027766
Norms and dates of *planting* and **embedding** of seeds of polyploid sugarbeets. 027561
Malayan Dwarf [Diseases of unknown origin] palm, resistant to lethal yellowing, is recommended for *planting* in **Florida.** 028441
Influence of stage of development at *planting* on **flowering** and fruiting in tomato. 027610
The ML-1 **forest** *planting* machine. 025216
Planting the **garden** by the weather. 027817
Use of irrigation installations in the *planting* of **grape** grafts in a nursery. 030155
A comparison between healthy and leafroll-affected **grapevine** *planting* stocks. 028216
Increasing the efficiency of **growing** *planting* stock in forest nurseries. 025208
On **growing** *planting* stock in the forest nurseries of Karelia [Silviculture]. 025211
Vegetable cultivars and *planting* **guide** for Wisconsin gardens 1976. 027585

Recommendation that farms use only **healthy** *planting* stock [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, Krasnodar Territory]. 028914
Economic analysis of *planting* **kawakami** paulownia (Paulowniakawakamii Ito.) in Taiwan [Costs, returns]. 025079
Planning of demands for *planting* **material** for establishment of new vineyards. 021336
The influence of the choice of *planting* **material** on tulip bulb production. 027643
Production line for potato preparation and *planting* **[Mechanization].** 030065
Effect of nitrogen application spacing and *planting* **method** on two varieties of sunflower. 027474
Accuracy of seed spacing in **peanut** *planting* [Equipment]. 030142
[Forest] tree and shrub species distribution for Great **Plains** *planting* (by states and years, 1970-1974). 025194
The ATD-2 apparatus with enlarged bunkers **[Potato** *planting* equipment]. 030066
Seed treatment of Mojave Desert shrubs [to improve germination for **revegetation** *planting].* 026354
Seed scarifying machine [for tree and **shrub** *planting]* operated with superheated steam. 030084
Seed production of polyploid sugarbeets by the method of **steckling** *[planting].* 027512
Forestry production and *planting* **targets.** 025218
Varieties and methods of *planting* determined to use **tomato** harvester. 027840
Tree *planting* trends as indicated by distribution of [forest] species in Great Plains States. 025193

PLAQUE

Plaque **assay** of rabies virus on porcine kidney cell monolayers. 024592
Plaque **assay** and primary isolation of influenza A viruses in an established line of canine kidney cells (MDCK) in the presence of trypsin. 024786
The role of dietary carbohydrates in *plaque* **formation** and oral disease. 022187
The effect of overlay medium on *plaque* **formation** of tissue culture-attenuated Newcastle disease (TCND) vaccine virus [Chicken embryos]. 024634

PLASMA

Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and *plasma* **acid** patterns. 023716
The determination of five steroids in **avian** *plasma* by radioimmunoassay and competitive protein-binding. 023655
Relationship between the binding constants of specific testosterone **binding** *plasma* proteins and peripheral plasma concentrations of testosterone and LH [luteinizing hormone]. 024052
Activity and properties of alkaline phosphatase in some body fluids **(blood** *plasma,* blood serum, bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Cholesterol content and fatty acid composition in egg yolks and **blood** *plasma* of poultry [Dietary effects]. 023717
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral **blood** *plasma* of the cow [Cattle]. 024138
Radioimmunoassay for **bovine** *plasma* 4-androstenedione and result obtained at the time of pregnancy, parturition, and postpartum. 023566
Plasma **carbohydrate,** insulin and hepatic enzyme levels in rats refed sucrose. 022184
A cold precipitable fibrinogen complex in the *plasma* of **cattle** dying from infection with Babesia argentina. 024787
Chloramphenicol *plasma* levels in horses, cattle and sheep after oral and intramuscular administration. 023678
Effects of selenium, chromium and antioxidants on growth, eye cataracts, *plasma* **cholesterol** and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in *plasma* of **dam** and progeny and possible role of selenium [Swine, feeding]. 023818
Influence of carbohydrate-free protein-rich diet on free alpha-amino nitrogen changes in *plasma,* **erythrocytes** and leucocytes [Rats]. 022172
THe effect of glucose infusion on the *plasma* **free** amino acids in sheep. 023707
Changes in *plasma* **glucose** and liver glycogen following the administration of gluconeogenic precursors to the starving fowl [Chickens]. 023376
Immune *plasma-dependent* cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530
Effect of social stress and **inherited** *plasma* corticosterone levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. 029031
Effect of energy sources on *plasma* **insulin** and nitrogen metabolism in sheep totally nourished by infusions. 023760
Follicle-stimulating hormone in the Japanese quail: variation in *plasma* **levels** during photo periodically induced testicular growth and maturation. 023516
Testis growth and *plasma* **LH** [luteinizing hormone] concentration following hemicastration and its relation with female prolificacy in sheep. 024128
Effects of dietary triglyceride on the properties and lipid composition of *plasma* **lipoproteins:** acute experiments in rats fed safflower oil. 022151
Cholesterol esterification and lipids in *plasma* and **liver** from newborn and young guinea pigs raised on milk and non-milk diet. 022170
Synthesis of cholesterol esters in the *plasma* and **liver** of sheep. 023585
Pyrolysis of hydrolyzed lignin in *plasma* at **low** temperature. 025324
A comparison of variations in *plasma* **luteinizing** hormone concentrations in male and female domestic chickens (Gallus domesticus) from hatch to sexual maturity. 023512
Reconstitution of pig **lymphocyte** *plasma* membranes from solubilized components, with particular reference to membrane-associated immunoglobulins. 023285
Presence of substance P-like immunoreactivity in *plasma* from **man** and dog. 023186
Sterol composition of *plasma* **membrane** enriched fractions from maize coleoptiles. 027035
Dictyostelium [discoideum, cellular slime mold] aggregate-less **mutant** *plasma* membranes. 026559
Transfer of IgG [immunoglobulin] from *plasma* to **nasal** secretions in newborn lambs. 024756
Labile nitrogen reserves and *plasma* **nitrogen** fractions in growing cattle. 023537
Turnover of *plasma* **oleic** acid measured by radio-gas chromatography. 023413
Relationship between the binding constants of specific testosterone binding plasma proteins and **peripheral** *plasma* concentrations of testosterone and LH [luteinizing hormone]. 024052
Influence of environmental heat on **peripheral** *plasma* progesterone and cortisol during the bovine estrous cycle. 024100
Hormones concentrations in the *plasma* of **pigs** kept under different management systems. 023252
Effects of isoprenaline and phenyleprine on *plasma* **potassium:** role of the liver [Dogs]. 023260
Evolution of *plasma* **progesterone** at the end of pregnancy, of ewe bearing a hypophysectomised fetus. Effect of dexamethasone administration. 024051
Synthesis and differentiation of *plasma* **proteins** in cultured embryonic chicken liver cells: a system for study of regulation of protein synthesis. 023624
Plasma **relaxin** immunoactivity during the oestrous cycle of the ewe. 024124
Anti-bacterial and anti-sperm effect of [bovine] **seminal** *plasma.* 024175
Changes of the *plasma* **steroid** hormones in pre- and postpartum stage in cows. 024136
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular **venous** *plasma* in cows prior to and during oestrus. 024134

PLASMODESMATA

A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the *plasmodesmata* **[Algae].** 026439

PLASMODIOPHORA

Control of cabbage clubroot *[Plasmodiophora* **brassicae].** 028109

PLASMODIUM

Cytoplasmic filaments and their assembly into bundles in Physarum [polycephalum] *plasmodium* **[Fungi].** 026055
Genetic studies on mechanisms influencing the susceptibility of anopheline mosquitoes to plasmodial infection *[Plasmodium* **gallinaceum,** Anopheles stephensi]. 029044
Failure of Anopheles stephensi Liston to transmit **human** *plasmodia* mechanically. 029042
Calcium and magnesium contents of ectoplasm and endoplasm of Physarum **polycephalum** *plasmodium* [Fungi]. 026816

PLASTICS

Use of *plastic* **bags** in sprinkler irrigation of oilpalm nurseries. 030108
The effect of the age of the leaf on the accumulation of **certain** *plastic* substances, pigments and essential oils in geranium [Pelargonium] grown on alluvial soils of the Colchis lowland. 026837
Controlled-environment agriculture [systems] in desert regions *[Plastic* **covered** greenhouses]. 029873
The relationship of *plastic* **deformation** in freeze-etching to the orientation of a protein particle [Tobacco]. 026029
Calculating the strength of *plastic* **discs** of centrifugal spreaders of mineral fertilizers. 030156
Effect of gibberellic acid on the *plasticity* and **elasticity** of Avena [sativa, oats] stem segments. 027020
Preservation of stored moist maize-grain in a *plastic* **enclosure,** while waiting for drying. 023017
Study of the tall fatty acids as a raw material for the synthesis of *plasticizers-stabilizers* **[Epoxidized** ethers]. 025335
A simple method for **exposing** *plastic* embedded structures for scanning electron microscopy [Peristome teeth of the moss Funaria hygrometrica]. 026028
The preparation of artificial soils based on peat materials for [horticultural plant] growing under **glass** and *plastics.* 027644
Best radish varieties for *plastic* **greenhouses** [Yields]. 027776
Successive crops in *plastic* **houses** with low level of heating. 027631
An **inflated** *plastics* roof for a multispan greenhouse. 029870
Contributions to investigating the migration of auxiliary substances in *plastics* **manufacture** and processing into liquid foodstuffs. I. A dynamic testing method adjustable to varying test modalities. 022421
Study of operation of plow bases with *plastic* **moldboards** at increased speeds. 030137
Effects of chemicals and *plastic* **mulch** on nematode populations and yield of tomato. 028407
Functionality of *plastic* **nets** [Fruit harvesting, hail protection]. 029973
Plastic **packaging** for seed rice. 022796
Experimental research to define the method of determination of the global migration of *plastic* and **rubbers** in fatty foods. II. 022531
Derivation of functional interactions for predetermining the surface quality of *plastic-sheathed* **sections** [Saw timber]. 025370
The effect of **selected** *plastic* films and chemical dips on the shelflife of Marmande tomatoes. 022942
Joint mushroom and cucumber culture in *plastic* **shelters.** 029939
Plastic **shelters** [Vegetables, culture]. 029940
Resistance of **wood** *plastic* combinations to wood-destroying insect attacks. 028941

PLASTID

Plastid **development** in a virescens barley mutant and chloroplast microtubules. 026112
Ultrastructural studies of *plastids* in **leaves** of Fraxinus excelsior L. var. aurea (Willd.). 026033
Control by phytochrome of cytoplasmic and *plastid* **rRNA** accumulation in cotyledons of mustard [Sinapis alba] seedlings in the absence of photosynthesis. 026787
P-type **sieve-element** *plastids* and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella) [Identification]. 025664
P-type **sieve-element** *plastids* and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella). 026449
Chlorophyll content and *plastid* **ultrastructure** in leaflets of Metasequoia glyptostroboides. 026054
Development of photoreductive activity in *plastids* of a **virescens** mutant of barley. 026930

PLATANUS

Key to the eight species of coexisting Erythroneura leafhoppers (Homoptera: Cicadellidae) on American sycamore *[Platanus* **occidentalis].** 028820

PLATE

Lipolysis by lactic acid bacteria recognized through color changes of dye-stained butterfats on double-layered **agar** *plates.* 022612
Surgical approaches to certain long bones of the horse for application of tension **band** *plates.* 024320
Comparison of different *plate* **count** tests for determining the number of psychrotrophs [Milk contaminants]. 022634
Convenience and the cost of *plate* **dinners** and skillet main dishes. 021882
Direct *plating* method for enumeration of Staphylococcus aureus: collaborative study [Processed foods]. 021912
The status of loci of ossification and **epiphyseal** *plates* in the limb bones of neonatal crossbred (Banuur X Nali) sheep. 023433

PLATELETS

Modifications of *platelet* **functions** by dietary fats. 021990

PLATFORM

Zootechnical and physiological evaluation of fattening cattle on *platforms* **[Body** heat losses]. 023682
Problems in the allotment of concentrated feeds on **milking** *platforms.* 023962
Theory of vertical hydrodynamic zonation of Artesian basinsof the *platform* **type** [Groundwater]. 030782

PLATYCODON

Studies on the saponins of the root of *Platycodon* **grandiflorum** A. De Candolle. I. Isolation and the structure of platycodin-D. 026518

PLECOPTERA

Revision of the stonefly family **Nemouridae** *(Plecoptera):* a study of the world fauna at the generic level [New taxa]. 029699

PLECTOPTERA

The burrowing mayflies of the United **States** *(Ephemeroptera:* Ephemeroidea). 029709

PLEIOTROPIA

Investigation of the effects of homoeotic mutations. I. *Pleiotropic* **effect** of homoeotic aristapedia mutations [Drosophila]. 029494

PLEISTOCENE

The Blufflands: *Pleistocene* **pathway** into the Tunica Hills [Paleobotany]. 025587

PLEOMORPHISM

Pupal *pleomorphism* in a strain of Anopheles albimanus from El Salvador. 029054

PLEUROTUS

Studies on the decomposition of lignosulfonates by the **fungi** *Pleurotus* ostreatus and Trametes pubescens. 026324
The selection of *Pleurotus* **ostreatus** [mushrooms] strains bysaw-dust culture. 027765

PLODIA
Gamma irradiation of **adult** *Plodia* interpunctella: Effects on mating, sterility, and number of progeny [in stored peanuts in Georgia]. 028969
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, *Plodia* **interpunctella,** Tyrophagus putrescentiae]. 028683
Mortality of three stored product moths [Sitotroga cerealella, Cadra cautella, *Plodia* **interpunctella**] in atmospheres produced by an exothermic inert atmosphere generator. 028981
Susceptibility of Cadra cautella and *Plodia* **interpunctella** to Bacillus thuringiensis on [stored] wheat [Insect pests, biological control]. 028984
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal **moth** *[Plodia.* 028983

PLOTS
About the interest of apartment dwellers in allotment gardens, static **caravanning** *plots,* and weekendhome plots. III. 021204
Size and shape of *plots* in **field** trials with apple [Culture]. 027762
Land utilization and importance of *plot* **filing** by farmers. 021226
Leveling of **irrigated** *plots* by the method of local optimization. 030679
A fertilizer distributor [for *plots* used in **plant** breeding]. 026246
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to threshold data and for *plotting* the **result** [Thresholds for odor and taste]. 022066
Chemical treatment of potatoes in **seed** *plots* [Pesticide injuries]. 028455
Influence of isolation distance on genetic contamination of field bean (Vicia faba L.) seed produced in **small** *plots.* 026190
Small *plot* tests of insecticidal sprays for bollworm-budworm [Heliothis zea-Heliothis virescens] control on cotton. 028713
Laboratory and **small** *plot* field tests of Altosid and Dimilin for the control of Aedes taeniorhynchus and Culex nigripalpus larvae. 029047
Intercultivar competition in sunflower [varietal] **test** *plots.* 027357
About the interest of apartment dwellers in allotment gardens, static caravanning plots, and **weekendhome** *plots.* III. 021204

PLOWING
Results of an investigation of a system for the automatic regulation of *plowing* **depth.** 030136
The depth of *plowing* and the **development** of the root system [of cotton]. 027437

PLOWS
Study of operation of *plow* **bases** with plastic moldboards at increased speeds. 030137
Study of the energetistic and agrotechnical indices of high-speed *[plow]* **bases** [Construction, operation]. 030138
Force versus width of cut for moldboard *[plow]* **bottoms.** 029979
Tensiometric measurement of stress on the *plough* **column** under static and dynamic conditions. 030002
Dynamics of mounted tillage assemblies *[Plows,* **designs].** 030131
Theory of mounted tillage assemblies *[Plows,* **designs].** 030139
Investigation of the work of a series of **experimental** *plow* bases [Construction, operation]. 030134
Physical investigations of the *plow* **pan** of a degraded Chernozem soil. 030258

PLUMBAGIN
Plumbagin from **Ceratostigma** willmottianum. 026492

PLUMERIA
In vitro effect of acidity levels on xylem differentiation in *Plumeria* **[rubra].** 026530

PLUMS
The phenolics of fruits. VII. The phenolics of cherries and *plums* and the **changes** in catechins and hydroxycinnamic acid derivatives during the development of fruits. 023006
Vegetative disorders in the **Japanese** *plum* trees on myrobalan rootstock in the province of Valencia (Spain) [Apricot chlorotic leaf roll virus]. 028207
Studies on floral biology of Jamun **(Java** *plum)* [Myrtaceae] [Syzygium cuminii (L.) Skeels]. 027183
Study of sharka [plum pox virus] spread pattern in some *plum* **orchards.** 028198
Attempt to **organize** *plum* pox control in international cooperation. 028171
Host race formation among sympatric apple, walnut, and *plum* **populations** of the codling moth, Laspeyresia pomonella. 028817
Protection with some strains of sarka *[plum* **pox]** virus. 028193
Serodiagnosis of *plum* **pox** virus. 028195
Study of sharka *[plum* **pox** virus] spread pattern in some plum orchards. 028198
Susceptibility of plum varieties to *plum* **pox** disease. 028199
Examinations concerning the range of host plants of the *plum* **pox** virus (PPV). 028290
Experiments to verify the *plum* **pox** virus (PPV) by communicating it on Chenopodium foetidum Schrad. 028291
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of *plum* **rootstocks** and their possible relationship with the chlorotic leaf spot virus. 028168
Further studies about the host range of **sharka** *(plum* pox) virus. 028179
Early [maturing] **varieties** of *plums.* 027802
Susceptibility of *plum* **varieties** to plum pox disease. 028199

PLUTELLIDAE
Record of *Plutella* **xylostella** Linn. [=maculipennis (Curt.)] as a new pest of amaranthus viridis in Karnataka. 028832
The control of diamond back moth *[Plutella* **xylostella]** and cabbage white butterfly larvae [Pieris rapae] with phenthoate. 028887

PLUTONIUM
Plutonium in **aqueous** systems [Water contamination]. 030902
Plutonium in mammals: influence of *plutonium* **chemistry,** route of administration, and physiological status of the animal on initial distribution and long-term metabolism. 023419
Resuspension and redistribution of *plutonium* in **soils** [Environmental contamination]. 030903
Environmental pathways of *plutonium* into **terrestrial** plants and animals. 024957
Animal data on *plutonium* **toxicity.** 024956

PLYWOOD
Design data for *plywood* for **concrete** shuttering work. 025382
Nail holding power of *plywood.* III. **Effect** of plywood thickness and nail diameter. 025386
Surface flammability of **fireproofing** *plywood* in the 8-foot tunnel furnace. 3. 021932
Glued *plywood* roof panels. 025383
Glued *plywood* two hinged type arch panel roofing. 1. 025384
Effects of knots on the mechanical properties of *plywood* from **Indian** wood species. 025372
Studies on the resin sheet overlay. 12. Results of nine years outdoor weathering of resin sheet **overlaid** *plywood.* 025273
The durability of **painted** *plywood:* the correlation between the outdoor exposure and the accelerating test. 025418
Nail holding power of plywood. III. Effect of *plywood* **thickness** and nail diameter. 025386
Weather effects on glubility and surface checking of *plywood* **trated** with PEG [Polyethylene glycol]. 025528
The effect of melamin and potato-protein as reinforcing material in the production of **urea-treated** *plywood.* 025419

PNEUMATIC
A *pneumatic* **grading** table PSS-02 [for seeds used in breeding]. 026247
Effect of underpressure oscillation on work stability of a *pneumatic* **pulsator** [Equipment]. 029995
The *Monosem-Pneumatic* **single** grain seeding machine for maize. 030048
Research on the possibility of sugarbeet sowing with the *pneumatic* **single** seed planter. 030127
Pneumatic **transport** of bark [Wood processing, pulp and paper]. 025452
New *[pneumatic]* **tree** facer for resin tapping using sulfite-yeast **[as stimulator].** 025317

PNEUMONIA
Caprine *pneumonia* caused by Corynebacterium ovis [Goats]. 024547

POA
Crop equivalent rating guide for soils of Minnesota [Yields, maize, wheat, **alfalfa,** *Poa].* 027450
Phosphatase activity of *Poa* **pratensis** seeds. II. Purification and characterization of acid phosphatase Ia2 and Ia3. 026877
Seed production of Kentucky bluegrass *[Poa* **pratensis]** associated with **age** of stand. 027359
Banff Kentucky bluegrass [dwarf cultivar of *Poa* **pratensis].** 027381
Saprophytic survival of Bipolaris sorokiniana on detached laminae of *Poa* **pratensis.** 027922
Kentucky bluegrass *[Poa* **pratensis]** and perennial ryegrass [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. 028069
Wild oat control in Kentucky bluegrass *[Poa* **pratensis]** and perennial ryegrass [Lolium perenne]. 028625

POACEAE
Chionochloa species from Australia and New **Guinea** *(Poaceae:* Arundinoideae) [New **taxa].** 025817
Cladistic analysis of the diploid and hexaploid oats (Avena, *Poaceae)* using **numerical** techniques. 025658
Cladistic analysis of the diploid and hexaploid oats (Avena, *Poaceae)* using **numerical** techniques. 026106

PODISUS
A comparison of predation by the pentatomids, *Podisus* **maculiventris** (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, Epilachna varivestis Mulsant [pest of soybeans]. 028705

PODOCARPUS
X-ray determination of the structure of podolide, an Antileukemic norditerpene dilactone *[Podocarpus* **gracilior].** 026636

PODOSPHAERA
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the powdery mildew *[Podosphaera* **leucotricha]** of apple trees. 028030
Patterns in the numbers of air-borne conidia of apple powdery mildew, *Podosphaera* **leucotricha** (Ell. and Ev.) Salm., and their relevance to control measures. 028036
Surfactants for the control of apple [powdery] mildew *[Podosphaera* **leucotricha].** 028043

PODS
The life-history of Anoplocnemis curvipes F. (Coreinea, Coreidae, Heteroptera) a pest of fresh **cowpea** *pods.* 027207
Genetic correlations of characters in **pea** *pod* Pisum sativumL. 026153
Interactions of Pythium myriothylum with several fungi in **peanut** *pod* rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Problems of freeing pea **seeds** [from *pods].* 022866

PODZOLS
Microbiological and fermentative activity of *Gley-Podzol* and **Krasnozem** soils under various moisture content. 030375
Effect of nitrogen fertilizers on yield of winter crops grown in *soddy-podzolic* **loamy** soils of the Belorussian Polesye. 030558
On a deep transformation of micas with galacturonic acid, and the genesis of **sectites** in *Podzol.* 030186
The effect of the structure of crop rotation on the composition of humus and nitrogen in *soddy-podzolic* **soil.** 027564
The effect of various methods of trimming on the yield of tea-bush plantations of different age on *podzolic* **soils.** 027864

POGONOMYRMEX
The production utilization of seeds [by *Pogonomyrmex* **barbatus,** birds, rodents] in plains grassland of southeastern Arizona. 025895

POGOSTEMON
The results of studying patchouli *[Pogostemon* **patchouli].** 027861

POINSETTIA
It could be cheaper to **buy** *poinsettia* [Euphorbia pulcherrima] cuttings. III. 021513
A new era for *poinsettias* **[Euphorbia** pulcherrima]: Performance and resistance. 027689

POISON
Urushiols of *poisonous* **Anacardiaceae** [Toxicodendron, Metopium toxiferum]. 028538
Causes of calcinosis in cattle kept in the soil-fertilizer-pland-animal system *[Poisonous* **plants,** Trisetum flavescens]. 024942
Don't fill your high silo with *poisonous* **things!** 023023

POISONING
Experimental studies on **bracken** *poisoning* of cattle: clinical findings and blood figures. 025002
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine **bracken** *poisoning* by feeding soluble extracts [Bulls, sheep]. 025004
Bracken fern [Pteridium] *poisoning* **[Cattle].** 024988
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] *poisoning.* I. **Detection** of circulating anticoagulants. 024979
Studies on hemorrhagic diathesis of experimental bovine bracken [Pteridium] *poisoning.* II. **Heparin-like** substance level in blood. 024980
Modification of Michael's method for determination of serumacetyl choline esterase activity [Indicator for organo-phosphorous **insecticide** *poisoning,* men and experimental animals]. 029087
Mortal *poisoning* of chickens by ivy [Hedera helix] seeds. 024985
The use of forage sorghum. V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and **nitrate** *poisoning* [Cattle]. 023057
The mechanism of action and treatment of **palytoxin** *poisoning* [Dogs]. 024997
Human **pesticide** *poisonings* by a fat-soluble organophosphate insecticide. 029081

POLARIZATION
Mitochondria and *polarity* in the **egg** of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Chemically induced dynamic **electron** *polarization* in chloroplasts at room temperature: evidence for triplet state participation in photosynthesis. 026809
Organization of an actin filament-membrane complex. **Filament** *polarity* and membrane attachment in the microvilli of intestinal epithelial cells [Chickens]. 023497
How insects navigate? Bees and ants orient themselves by the *polarization* **pattern** of the sky. 029500

POLAROGRAPHY
Application of *polarography* to the **determination** of medicinal substances added to animal feeds. 023036
Polarographic **study** of the reaction of vitamin K3 with thiol compounds in aqueous ethanol. 022143

POLLEN

Pollen **analysis** of the natural reforrestation on the Turracher Hohe [Austria]. 025847
Gravity slide studies on **atmospheric** *pollen* in Finland. 025600
Establishment of new sources of resistance to the groups of races of **barley** *pollen* smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. 026166
Detection and identification of Bacillus larvae in a commercial sample of **bee-collected** *pollen* [American foul brood disease]. 029813
The effect of long term storage on the nutritive value of *pollen* for **brood** rearing of honeybees. 029724
Culturing larvae of blister beetles [Nemognatha] on diets containing different *pollens* **collected** by honeybees [Apis mellifera]. 029810
Flowering, pollination, *pollen* **collection** and pollen germination in Fagus and Quercus species. 027342
The effect of killed **compatible** *pollen* on self-compatibility in apple. 027203
Osmotic shock as a prerequisite to *pollen* **digestion** in the alimentary tract of the worker honeybee [Apis mellifera]. 029820
A comparative study of the *pollen* of **diploid** and autotetraploid forms of species of Onobrychis L. [Sainfoin]. 026136
Restoring of *pollen* **fertility** in male-sterile lines of wheat (timopheevi) Triticum aestivum L. 026169
Heterostyly and *pollen* **flow** in Hypericum aegypticum (Guttiferae). 025950
The inheritance of three mechanisms of diplandroid (2n *pollen)* **formation** in diploid potatoes. 026164
Microplanktons from tethyan sequence of Niti Pass, Kumaon Himalayas, India [Includes **fossil** *pollen].* 025689
Flowering, pollination, pollen collection and *pollen* **germination** in Fagus and Quercus species. 027342
Preliminary investigations on the effect of various fungicides applied during bloom on *pollen* **germination** and fruit set [Pears, peaches]. 027910
Development of *pollen* **grain** and the formation of spermocells in pollen tubes of Delphinium camptocarpum Fisch. et Mey. 026614
Scanning electron microscopy of *pollen* **grains** of the European species Erica L. 025964
Observations of additional divisions in *pollen* **grains** of homozygous wheat plants (Triticum aestivum L.) obtained by androgenesis in vitro. 026920
The effect of oleander [Nerium oleander] glycosides on the germination of *pollen* **grains** and the mitosis of the generative nucleus in Tradescantia bracteata Small and Allium Cepa L. [Onions]. 027096
Absolute dormancy of *pollen* **induced** by soaking in organic solvents [Chrysanthemum pacificum, Lilium longiflorum]. 027282
Cannibalism as an indication of *pollen* **insufficiency** in honeybees [Apis mellifera]: ingestion or recapping of manually exposed pupae. 029805
Induction of haploid tobacco plants from **isolated** *pollen.* 027040
Aperture in the exine and external intine of the *pollen* of **Juniperus** chinensis L., and Juniperus communis L. 026045
Studies on the honey-sac contents and *pollen* **loads** of honeybees [Apis mellifera]. 2. Honey-sac contents of foraging bees. 029829
The *pollen* **[morphology]** of Bleasdalea and related genera ofProteaceae. 026047
Response to moisture of *pollen* **mother** cell meiosis in Coffea abeokutae Crames. 026025
Endogenous gibberellins of **pine** *pollen.* II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus ponderosa pollen. 027335
Electron microscopical investigations of the Normapolles group and some other selected European and North American angiosperm [fossil] *pollen.* I. 025796
Endogenous gibberellins of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and Pinus **ponderosa** *pollen.* 027335
Lectins **stimulate** *pollen* germination [Lilium longiflorum]. 027218
Antarctic glaciation and early Tertiary vegetation *[Pollen* **studies].** 025760
Study of the *pollen* in less **succulent** Mesembryanthemaceae [Taxonomy, anatomy]. 025652
Pollen **systematic** studies of the genus Silene L. (Caryophyllaceae). 025622
Some effects of *pollen* **traps** on colonies of honeybees [Apismellifera]. 029827
Development of pollen grain and the formation of spermocells in *pollen* **tubes** of Delphinium camptocarpum Fisch. et Mey. 026614
Calcium accumulatons within the growing tips of *pollen* **tubes** [Lilium longiflorum]. 027192
Assisted pollination and contamination by **undesirable** *pollens* [Coconuts]. 026229

POLLINATION

Biology in the north of Sweden [Calypso bulbosa, Bombus pascuorum sparreanus, Bombus **agrorum,** *pollination].* 026564
Study of the Andrena carantonica behavior during the blooming of the Golden Delicious apple trees **[Apoidea,** *pollination].* 029741
Assisted *pollination* and contamination by undesirable pollens [Coconuts]. 026229
The *pollination* of **bulbophyllum** longiflorum Thouars. 027110
Problems of a multivarietal selection for complex characters in *self-pollinated* **cereals.** 026154
Pollination of **Cnidoscolus** texanus (Euphorbiaceae) in south-central Oklahoma. 026835
The *pollination* **ecology** of Delphinium tricorne (Ranunculaceae). 026356
Pollination and **environmental** conservation [Effects of pesticides]. 029094
Energetics of *pollination* **[Food** plants, insect pollinators]. 026371
Pollination of **Hibbertia** hypericoides (Dilleniaceae) and its evolutionary significance. 026651
Studies in **natural** *pollination* of cocoa in Ghana. 026319
The reproductive biology of the epiphytic orchids of Florida. II. A method for **observing** *night-pollination.* 027111
Germinating capacity of some maize **open** *pollinated* varieties, inbreds, hybrids, synthetics and composites in saline substrate. 026965
Flowering, *pollination,* **pollen** collection and pollen germination in Fagus and Quercus species. 027342
Gametogenesis and *pollination* **processes** in Ornithopus pinnatus (Mill.) Druce in reference to flower bud development. 026333
Pollination **requirements** for watermelon seed production [Bees, Apis mellifera]. 029823
The *pollination* and **set** of the early flowers of runner bean (Phaseolus coccineus L.). 027205
Pollination **studies** in grape. 027181
The bee, conservator of nature by *pollination* of **wild** plants. 029738
The bee [Apis mellifera], conservator of nature by *pollination* of **wild** plants. 029739

POLLINATORS

Bees in **greenhouses** [as *pollinators].* 029844
Energetics of pollination [Food plants, **insect** *pollinators].* 026371
Alfalfa flower color associated with differential seed set by leaf-cutter bees [Megachile pacifica, **insect** *pollinators,* selective visitation]. 026887
To pollinate an orchid [Orchidaceae, **insect** *pollinators].* 029245
Honeybees, gooseberries and dollars [Bees as *pollinators,* **returns].** 029722

POLLUTANTS

Air *pollutants* from, and effects on, agriculture. 030911
Mercuric chloride uptake by eggs of the ricefish and resulting teratogenic effects *[Pollutants* of **aquatic** environments]. 030813
Chemical *pollutants:* polychlorinated biphenyls is still a threat. 030963
Experimental technique allowing for the study of the incidence on vegetation of sulfur **dioxide** *pollutants* applied continuously and at subnecrotic doses. 030946
Metabolism of **environmental** *pollutants* by the isolated perfused lung [Rabbits]. 030890
Pollutant **mercury** and sedimentation in the western basin of Lake Erie. 030949
Mutagenic, carcinogenic and teratogenic effects of *pollutants* in **respect** to man. 030951

POLLUTION

Physiological and morphological properties of the Japanese black and red pine trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to **air** *pollution.* 025014
Industrial dust and the viability of pines in suburban forests of Leningrad **[Air** *pollution,* forest damage]. 025035
Air *pollution* regulations and their effect on forest management [Prescribed burning]. 025195
Particulate source strength determination for low-intensity prescribed fires **[Air** *pollution,* forests]. 025196
A lichen (Parmelia conspersa) surviving with elevated concentrations of lead and opper in the center of Sendai City [Japan, **air** *pollution,* indicator plants]. 025880
Tussilago farfara L.—a plant relatively resistant to industrial **air** *pollution.* 026338
Effect of **air** *pollution* by copper, sulphuric acid and fertilizer factories on plants at Harjavalta, West. Finland. 028330
Air *pollution* and vegetation [Inquiries]. 028384
Use of ventilation to remove odors from liquid manure [Equipment, **air** *pollution* control]. 030016
Tracing mercury in a biosphere **[Air** *pollution].* 030799
Particulates in domestic premises. II. Ambient levels and indoor-outdoor relationships **[Air** *pollution].* 030803
Confirming the local sources of observed **air** *pollution* in communities. 030804
Multielement characterization of atmospheric aerosols by instrumental neutron activation analysis and X-ray fluorescence analysis **[Air** *pollution].* 030883
Air *pollution* control at cottonseed oil mills. 030912
Control of particulate emissions **[Air** *pollution]* from alfalfa dryers. 030915
Disposal of agricultural waste by controlled burning—a regulatory viewpoint **[Air** *pollution].* 030917
Fluoride emissions from phosphate processing plants **[Air** *pollution].* 030919
Interrelationships between agriculture as **air** *pollution.* 030920
Sulfur dioxide and material damage **[Air** *pollution].* 030925
Air *pollution* by suspended particulate matter in Dunedin and Milton. 030939
Scientific bases of establishment of maximum permissible concentrations of toxic substances in open waters (biological **aspect)** *[Pollution].* 030986
Protection of waters in Volga **basin** from *pollution.* 030984
Classification of stream water according to degree of *pollution* on the **basis** of microbiological indices. 030979
Causes of decrease and disappearance of the seagrass Posidonia oceanica on the French Mediterranean **coast** *[Pollution].* 030802
Utilization of manure on large farms and complexes **[Composition,** *pollution].* 030577
An analysis of the generation of household solid wastes from **consumption** *[Pollution].* 030957
The [French river] Basin agency: its role in *pollution* **control.** Aids contributed to organization. 030853
Control of the water regime as a prospective method of protecting waters from **depletion** and *pollution.* 030981
Interrelations between sulphur **dioxide** *pollution* and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Enzyme reaction as indicator of *pollution* **effects** on lichens. 028326
Seagrasses of south-western Australia with special reference to the ecology of Posidonia australis Hook F. in a *polluted* **environment.** 025871
Our **environment** *[Pollution].* 030888
On the agenda—the protection of the natural **environment** [from *pollution].* 030935
Increased requirement for food caused by **environmental** *pollution.* 021809
Leaf surface effects of **environmental** *pollution* on sugar maple (Acer saccharum) in Montreal. 030820
Proceedings: biostimulation—nutrient assessment workshop, October 16-17, 1973 Corvallis, Oregon **[Environmental** *pollution,* algal assays]. 030858
Alpha- and gamma-BHC [benzene hexachloride] in Tokyo rainwater (December 1968 to November 1969) **[Environmental** *pollution].* 030868
A contribution to lead studies in soils and the enviornment. I. Lead **environmental** *pollution.* 030898
Methods of comprehensive investigation of state of rivers and determination of causes of their *pollution* by **industrial** and domestic effluents. 030983
Irrigation and *pollution.* 030959
Color removal from kraft effluent by ultrafiltration with new polymeric **membranes** *[Pollution].* 030968
Minimising *pollution* from fertiliser plants. 030893
The effect of higher trophic level components in an aquatic ecosystem **model** *[Pollution].* 030861
Effects of **modern** *pollution* control standards on the design and economics of sulphuric acid plants. 030967
Quantitative and qualitative variations of bacterial population in *polluted* and **nonpolluted** marine environment. 030910
Litter and oil on the shores of Utsira, Rogaland County, during autumn 1974 **[Oil** *pollution].* 030889
Pollution **problems** in communities in the process of industrialization [Water pollution]. 030851
Pollution **problems** associated with feedlot production of livestock. 030950
Pollution **problems** of the Seto Inland Sea. 030952
Lead-210 [isotope] assay in soil and plant material using Cerenkov **radiation** *[Pollution].* 030821
Water management and noise *[pollution]* **reduction.** 030937
Pollution and **resource** allocation: comment. 030805
Pollution and **resource** allocation: reply. 030806
Lake and soil culture [Natural **resources,** *pollution].* 030958
Biomass and activity of sessile microbes in a *polluted* **river.** 030906
A case study of non-point **source** *pollution* in Virginia. 030816
Growth requirements of Enteromorpha compressa and Codium fragile [Algae, **water** *pollution].* 026546
Polychlorinated biphenyls (PCB's) in the rivers Avon and Frome **[Water** *pollution].* 030814
Controlling **water** *pollution:* what is needed? 030819
Pollution problems in communities in the process of industrialization **[Water** *pollution].* 030851
Tertiary purification of domestic effluents **[Water** *pollution].* 030852
The development of a standardized marine algal assay procedure for nutrient assessment **[Water** *pollution].* 030860
Bioflocculation and the accumulation of chemicals by floc-forming organisms **[Water** *pollution* treatment]. 030874
Bioaccumulation of 14C [carbon isotope]-DDT in a small pond **[Water** *pollution].* 030875
Chemical control of the sea lamprey: the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the environment **[Water** *pollution].* 030876
A comparative study on characters of heavy metallic ion-tolerant microorganisms [Soil and **water** *pollution].* 030904
Studies on the toxicity of zinc sulphate and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in hard **water** *[Pollution].* 030927
Efficient white water handling at Munksjo mill **[Water** *pollution].* 030969
The status of **water** *pollution* control in the Soviet Union. 030970
Practical research in **water** *pollution* control. 030977
Bacterial communidty in the sea and lake **waters** *polluted* with organic substances. 030905
Microbial activities in *polluted* **waters.** 030908

Legal protection of **waters** from *pollution.* 030982
Pollution of **waterways** and water tables. 030850

POLYACRYLAMIDE

Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and *polyacrylamide-gel* **electrophoresis.** 028279
Graft copolymers of dextrin and *polyacrylamide* as **filler** retention aids [Production of filled bond paper]. 025486
Utilization of edible protein from meat industry by-products and waste. V. The characterization of extracted proteins, using *polyacrylamide* **gel** electrophoresis. 022505
Degradation of raffinose and stachyose in soybean milk by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within *polyacrylamide* **gel.** 022781
Matrix-bounded enzyme. II. Potato phosphorylase entrapped in *polyacrylamide* **gel** after gel electrophoresis. 022898
SDS [sodium dodecyl sulfate] *polyacrylamide* **gel** electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Effect of bitumen emulsion and *polyacrylamide* on some **physical** properties of Venezuelan soils. 030365

POLYACRYLONITRILE

Factors affecting the activity and the durability of fixed-glucoamylase [Rhizopus niveus] on *polyacrylonitrile* **carrier** resin by amidination reaction. 026533

POLYALTHIA

Root dormancy in *Polyalthia* **longifolia** Benth. And Hf. 026532

POLYAMIDES

Distribution of amino acid and carbohydrate components in fulvic acid [from Italian soils] **fractionated** on *polyamide.* 030193

POLYAMINES

Replacement of Mg2+ [magnesium] by *polyamines* in the **aminoacylation** of tRNA from Phaseolus [Beans]. 027250

POLYCHLORINATION

Inducibility of mucosal drug-metabolizing enzymes of rats fed on a cholesterol-rich diet by *polychlorinated* **biphenyl,** 3methylcholanthrene and phenobarbitone. 022194
Contamination of cereals by *polychlorinated* **biphenyls** and hexachlorobenzene. 021891
Activated sludge primary biodegradation of *polychlorinated* **biphenyls.** 030812
Polychlorinated **biphenyls** (PCB's) in the rivers Avon and Frome [Water pollution]. 030814
PCBs *[polychlorinated* **biphenyls]** and environmental contamination. 030884
Chemical pollutants: *polychlorinated* **biphenyls** is still a threat. 030963
The content of *polychlorinated* **hydrocarbons** in Arctic ecosystems. 029174
Gas chromatographic characteristics of authentic chlorinated dibenzofurans; identification of two isomers in American and **Japanese** *polychlorinated* biphenyls. 029108

POLYCYCLIC

Carbon-13 NMR [nuclear magnetic resonance] spectra of some *polycyclic* **triterpenoids** [Actea racemosa]. 026844

POLYELECTROLYTES

Application of thermometric titrations to the study of soil organic matter. I. **Simple** *polyelectrolytes.* 030204

POLYESTER

Improved durable flame retardancy of *polyester/cotton* **blends.** 021975
Determining polyester in *cotton/polyester* **blends** with monoethanolamine solvent. 022840
Open-end spun yarns made from blends: their properties during bobbin formation *[Polyester,* **cotton].** 022770
Determining *polyester* in cotton/polyester blends with monoethanolamine solvent. 022840

POLYETHYLENE

The energy balance of an **air-inflated** *polyethylene* greenhouse. 029889
Weather effects on glubility and surface checking of plywood trated with PEG *[Polyethylene* **glycol].** 025528
Conditions for induced fusion of fungal protoplasts in *polyethylene* **glycol** solutions [Penicillium chrysogenum]. 026376
Germination, seedling growth and sugar metabolism of two species of Brassica under *polyethylene* **glycol** (PEG) induced water stress. 026906
Temperature regime in a *polyethylene* **speeder** [Plants]. 030001

POLYHEDROSIS

Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura **nuclear** *polyhedrosis* virus [Insect pests, biological control]. 028643
Bioassay of **nuclear** *polyhedrosis* virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. 028674
Interaction of viruses of vertebrates and **nuclear** *polyhedrosis* viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. 029317
Detection on **nuclear** *polyhedrosis* virus infection in Heliothis spp. by agar gell double diffusion. 029423
The effects of ulravolet irradiation on a Baculovirus **[nuclear** *polyhedrosis* virus] infecting Galleria mellonella. 029430
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] larvae infected by **nuclear** *polyhedrosis* virus. 029796
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, *polyhedrosis* **virus].** 029798

POLYMERASES

Isolation of nucleoli and localization of ribonnucleic **acid** *polymerase* I from soybean hypocotyl. 026043
A rapid technique for the estimation of polynucleotide adenylyltransferase and ribonucleic **acid** *polymerase* in plant tissues [Maize]. 027015
Alterations of DNA-dependent **DNA** *polymerase* activities in the immature quail oviduct in response to estrogen stimulation. 023600
In vitro synthesis of full-length DNA transcripts of Rous sarcoma virus RNA by viral **DNA** *polymerase.* 024671
Equine herpesvirus-induced alterations in nuclear RNA and **DNA** *polymerase* activities. 024763
Partial purification and characterization of two cytoplasmic **DNA** *polymerases* from ungerminated wheat. 026998
A **DNA** *polymerase* from embryos of Drosophila melanogaster. Pruification and properties. 029397
Double chain sequence of RNA obtained through in vitro transcription of wheat DNA by Escherichia coli **RNA** *polymerase.* 026917
RNA *polymerase* from opaque-2 and normal Zea mays [maize] endosperm. 027010
RNA *polymerase* B from Drosophila melanogaster larvae. Purification and partial characterization. 029350

POLYMERS

Studies on the hydrolysis reaction of model substances of cellulose in the presence of a *polymeric* **catalyst 4.** Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
Gas-liquid chromatographic determination of vinyl chloride in vinyl **chloride** *polymers,* food-stimulating solvents, and other samples [Food packaging material]. 021913
Determination of **meta** *polymer* of acetaldehyde in pesticides. 029078
Color removal from kraft effluent by ultrafiltration with **new** *polymeric* membranes [Pollution]. 030968
The effect of **organic** *polymers* and hydrous iron oxides on the tensile strength of clays. 030371

POLYMORPHISM

Ceruloplasmin *polymorphism* in cattle. 024278
Clines in the **colour** *polymorphism* of Philaenus spumarius ineastern Central Europe. 029364
Genetic *polymorphism* of izoenzymes of peroxidases and esterases in Populus deltoides Bartr. 027341
Inversion *polymorphism* in natural populations of two species of black flies [Metacnephia pallipes, Sulciicnephia petrovi] (Diptera, Simuliidae). 029493
Isoenzyme *polymorphism* in flowering plants. V. The isoesterases of maize: tissue and substrate specificities, and responses to chemical inhibitors. 027053
The role of *polymorphonuclear* **leucocytes** in the autologous phase of nephrotoxic nephritis [Rabbits]. 023373
Redescription of Eutogenes vicinus Summers and Price, a **predatory** *polymorphic,* cheyletid mite with descriptions of males and immature stages (Acarina: Cheyletidae). 029659
The theory of the selective neutrality of **proteins** *polymorphisms* [Drosophila]. 029239
A study of the action of the cationic proteins from **rabbit** *polymorphonuclear* leucocytes on the staphylococcal cell membrane [Staphylococcus aureus]. 023316
Polymorphism and **sensitivity** to a juvenile hormone analogue in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Polymorphic **site** index curves for natural sweetgum [Liquidambar styraciflua] in Alabama. 025081
Preliminary discussion of *polymorphism* in **trees** which are the issue of nucellar embryos of the Tunisian variety of Maltese demi-sanguine oranges. 025971

POLYMYXA

Beet necrotic yellow vein virus and its relation to the fungus, *Polymyxa* **betae.** 027965

POLYPEPTIDES

The *polypeptide* **composition** of avian infectious bronchitis virus. 024427
Correlation of *polypeptide* **composition** with antigenic variation in the swine vesicular disease and coxsackie B5 viruses. 024659
Heritable variation in a *polypeptide* **subunit** of the major storage protein of the bean, Phaseolus vulgaris L. 027272
Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of *polypeptides* in **trichloroacetic** acid fish meal extracts. 022521

POLYPHEMUS

Ultrastructural studies on neuromuscular contacts and the formation of junctions in the flight muscle of **Antheraea** *polyphemus* (Lepidoptera). II. Changes after motor nerve section. 029294
Sex pheromone of the moth, **Antheraea** *polyphemus.* 029417

POLYPHENOLS

Rutin and other *polyphenols* of the **herbage** of Coriandrum sativum. 026496
The effect of Carbowax 4000 on the activity of peroxidase and *polyphenol* **oxidase** enzyme extracts from citrus leaves [Lemon disease]. 028320
Polyphenol **oxidase** activity and browning of three avocado varieties [resulting from mechanical injury]. 028385
Enzyme inhibition by *polyphenols* of **sorghum** grain and malt. 022508

POLYPHOSPHATES

The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na *[sodium]-polyphosphate* in **calcareous** saline soil suspensions. 030348
Effect of *polyphosphates* on **low** quality (PSE) [pale, soft, exudative] hams during processing. 021909

POLYPLOIDS

Polyploidy and **enucleation** in mature leaves of Barbilophozia barbata [Hepaticae]. 026099
Is *polyploidy* **necessary** for tissue differentiation in higher plants? [Sunflowers, peas, wheat]. 025940
Summer sowings of mother [plantations] of sugarbeets as a factor of increasing the quality of *polyploid* **seeds.** 027514
Gene dosage effects in *polyploid* **strains** of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and mutant alleles. 026193
Seed production of *polyploid* **sugarbeets** by the method of steckling [planting]. 027512
Norms and dates of planting and embedding of seeds of *polyploid* **sugarbeets.** 027561
Fraction 1 protein and the origin of *polyploid* **wheats.** 026245

POLYPORE

On **Fennoscandian** *polypores.* IV. Phellinus igniarius, Phellinus nigricans and Phellinus populicola, n. sp [Fungi]. 025602

POLYPORUS

Variation in decay resistance of Betula pubescens Ehrh. Against *Polyporus* **versicolor.** 025279

POLYSACCHARIDES

Polysaccharide from **cell** walls of Chlamydomonas reinhardtii[Algae]. 026756
Mechanical-chemical destruction of *polysaccharides* of **cellolignin** in the presence of phosphoric acid [Wood hydrolisis]. 025313
Molecular sizes of *polysaccharides* **liberated** from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
Cell wall glycoproteins and *polysaccharides* of **mature** runner beans. 027243
Cell wall glycoproteins and *polysaccharides* of **parenchyma** of Phaseolus coccineus [Runner beans]. 027244
The effect of the nutrient medium on the formation and chemical composition of a *polysaccharide* **produced** by Aureobasidium pullulans (de By.) Arn. [Fungi]. 026679
Investigations on coffee and coffee substitutes. XVII. Behaviour of *polysaccharide-complexes* of **Robusta** coffee during roasting. 022552
Sterol-binding *polysaccharides* of Rhizopus arrhizus, Penicillium roquefortii and Saccharomyces carlsbergensis [Fungi]. 026763
Activity of faecal fluid of a leaf-cutting ant [Atta colombica tonsipes] toward plant cell **wall** *polysaccharides.* 029404
The formation of carboxylic acids from **wood** *polysaccharides* during kraft pulping. 025472
The immune response to *polysaccharides* from **yeast-like** fungi in sensitized experimental animals. 024651

POLYSIPHONIA

A new species of *Polysiphonia* from the **Baltic** Sea [Algae]. 025627
Ultrastructural study of the wall of *Polysiphonia* **elongata** (Harv.) [Algae] Rhodophyceae, Floridea, with the help of actions of enzymes. 026032

POLYSOMES

Procollagen biosynthesis by **embryonic-chick-bone** *polysomes.* Estimation of the relative numbers of active proalpha 1 andproalpha 2 messenger ribonucleic acids. 023396
Red-far red reversible effect on *polysome* **formation** in the embryos of Pinus thunbergii seeds. 027337

POLYSPHONDYLIUM

Pallidin. Purification and characterization of a carbohydrate-binding protein from *POlysphondylium* **pallidum** implicated in intercellular adhesion [Fungi]. 026410
Cyclic AMP [adenosine monophosphate]-induced changes in protein synthesis in a cellular slime mold, *Polysphondylium* **pallidum.** 026689

POLYTENE
Chromosome studies of Oriental anophelines. IV. *Polytene* **chromosomes** of Anopheles fluviatilis. 029036
Polytene **chromosomes:** differences in molecular structure as revealed by metachromatic basophilia [Rhynchosciara americana]. 029306

POLYTRICHUM
Quantitative changes in free amino acids in *Polytrichum* **formosum** [Musci] during development. 026757

POLYVINYL
Resistance to sustained load of *polyvinyl* **acetate** dispersion-based adhesives. II. 025387
The use of *polyvinyl* **acetate** as a barrier to the pecan weevil larvae [Curculio caryae, control]. 028885
Potential application of *polyvinyl* **acetate** and polyvinyl alcohol in the structural improvement of sodic soils. 030369
Identification of vinyl chloride in *polyvinyl* **chloride** and simulated food solvents. 021836
The use of *polyvinyl* **chloride** foil during surface processing of particle boards. 025291

POMACE
Grape and **apple** *pomace* charcoal. 022482

POME
Possible relationships among *pome* **fruit** viruses detected in graft transmission trials. 028190
Mycoflora of the rhizosphere and roots of *pome* **fruits** in the Maritime Territory [Pathogenic fungi]. 028015

POND
On the problem of thawing **log** *ponds* at sawmill installations. 025405
Utilization of energy by primary producers [Phytoplankton] in four *ponds* in **northwestern** Florida. 026548
Survival of enteroviruses on vegetables irrigated with chlorinated **oxidation** *pond* effluents [Wastewater treatment]. 021904
The effects of dipotassium endothall [herbicides] on the zooplankton and water quality of a **small** *pond*. 029181
Bioaccumulation of 14C [carbon isotope]-DDT in a **small** *pond* [Water pollution]. 030875

PONDEROSA
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and initial root growth of *ponderosa* **pine.** 028451
Distribution of Rhyacionia neomexicana **eggs** within *ponderosa* **pine** [Pinus ponderosa] trees. 028919
Differentiated callus nodules in resin pockets of **Pinus** *ponderosa* Laws. 025464
Endogenous gibberellins of pine pollen. II. Changes during germination of Pinus attenuata, Pinus coulteri, and **Pinus** *ponderosa* pollen. 027335
Distribution of Rhyacionia neomexicana eggs within ponderosa pine [**Pinus** *ponderosa]* trees. 028919
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: Scolytidae) from two host species [**Pinus** *ponderosa*, Pinus monticola]. 028922
Forest insect research at Kansas State Univeristy. 1974 [Rhyacionia, **Pinus** *ponderosa*, Pinus sylvestris]. 028940
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to western pine beetle [**Pinus** *ponderosa]* attack. 028945

PONIES *see* **HORSES**

POPCORN
The effect of field shelling [equipment] on *popcorn* **quality.** 030151

POPILLIA
Japanese beetles *[Popillia* **japonica**] attractancy of mixtures of lures containing phenethyl propionate and eugenol. 028664

POPLAR
Fundaments of the growing areas determination for *poplars* in **Bulgaria.** 025164
Directions and perspectives of *poplar* **cultivation** in Poland. 025245
Poplar **cultivation** in Hungary. 025248
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the *poplar* **experimental** plantation of Veliko Polje. 025251
Fast-growing *poplar* as raw material for obtaining semi-chemical pulp which is used for the production of white papers. 025516
Protective forest shelterbelts of **hybrid** *poplars* in Bashkiria. 025043
Poplar **hybridization** of the section Leuce. 025249
An attempt to determine the resistance of *poplars* to **infection** by Chondroplea populea (Sacc. Kleb.)=Dothichiza populea Sacc. et Briard) [canker] on the basis of the. 027886
The contribution on the study of the early test **methodology** in *poplars*. 025165
Spectrum of regulatory activities of parasitic insects [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. *[Poplar* **pests,** natural control]. 028958
Poplar **[Populus,** hardwood] utilization: a problem analysis. 025539
Ascospore discharge in Drepanopeziza punctiformis in relation to infection of some *poplar* **[Populus]** clones. 027951
Results of studying the application of fertilizers to *poplars* in **pseudogley.** 030543
Certain problems of *poplar* **seedlings** cultivation in conditions of the mountainous forest zone of Mongolia. 025243
Multiplication and cultivation of *poplar* in the **Soviet** Union. 025246
Methods of working up the volume of wood in thinning cuttings in *poplar* **stands.** 025519
Examination of the possibility of *poplar* **utilization** in the production of glued and agglomerated materials. 025515
Results of investigations of the resistance of *poplar* **varieties** to the borer Cryptorrhynchus lapathi., Curculionidae, Coleoptera. 028957
About the cultivation of *poplar* and **willows** [Salix] in Romania. 025242
More recent methods and means for the control of insect pests of *poplars* and **willows** in Yugoslavia. 028956
Improvement of the characteristics of veneer boards made from *poplar* **wood** by moddification of their outer layer. 025517
Industrial utilization of *poplar* **wood** in Romania. 025518
Obtaining details of stable dimensions from *poplar* **wood.** 025520
Physico-mechanical properties of the *poplar* **wood** from floodable areas. 025521
Poplar **wood** processing by hydrolysis. 025522
State and perspectives of chemical processing of *poplar* **wood** in Czechoslovakia. 025523
State of the industrial use of *poplar* **wood** and its perspectives in Hungary. 025524
Use of softwood broadleaved species from natural forests and plantations for obtaining sulphate pulp *[Poplar* **wood].** 025525
Electron microscopy of vesicular-arbuscular mycorrhizae of **yellow** *poplar* [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. 025995

POPULATION
1980 projections of *populations* by **age** and town for Connecticut. 021084
Main features of the social and economic changes and the social regroupement of the **agrarian** *population* in some Transdanubian cooperative villages. 021117
Long term can trapping for *population* **analyses** of ground-surface, arid-land arachnids. 029588
Vertebrate **animal** *populations* of the McCormick Forest [Michigan]. 025069
The effect of cotton sowing policy on the dynamics of harmful and useful **Arthropoda** *populations*. 028745
Suppressive effects of antibiotics on experimentally inoculated Staphylococcus **aureus** *populations* on the skin of poultry. 024459
Quantitative and qualitative variations of **bacterial** *population* in polluted and nonpolluted marine environment. 030910
Population **biology** of a brine fly [Ephydra thermophila] (Diptera: Ephydridae) in the presence of abundant algal food. 029320
Population **change** and net migration in the North Central States, 1960-70. 021149
Use of an isolator system to study the selective pressure of sulfaquinoxalin-containing coccidiostats on Escherichia **coli** *population* in chicks. 024810
Predacious effect of vedalia beetle, Rodolia cardinalis Mulsant to *population* of **cotton** cushion scales, Icerya purchasi Maskell in citrus orchard [Insect pests, biological control]. 028823
Comparison of western spruce budworm [Choristoneura occidentalis] *populations* and **damage** on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962
Tests for association of gene frequencies at several loci in random mating **diploid** *populations* [Animal genetics]. 024040
Biology, *population* **dynamics,** and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Simulation of temperature-dependent development in *population* **dynamics** models [Anthonomus grandis, Trichoplusia ni, Heliothis zea]. 029288
Effects of some fungicide treatments on **earthworm** *populations* and leaf removal in apple orchards. 027991
A natural epizootic of a coccidian in a *population* of the **Egyptian** alfalfa weevil, Hypera brunneipennis, and the alfalfa weevil, Hypera postica. 028757
Population **energetics** and ecology of the rock grasshopper, Trimerotropis saxatilis. 029321
Seasonal changes in the **epiphytic** *population* of Erwinia amylovora on apple and pear. 028136
Changes in the natural growth of Gelidiella acerosa (Forskal) Feldmann et Hamel in an **exploited** *population* [Algae, agar industry]. 025877
Farm *population* estimates for 1974. 021074
Reproductive differences between laboratory-reared and **field-collected** *populations* of the Mediterranean fruitfly, Ceratitis capitata [Insect pests, fruit]. 028821
Studies on the population of Sitona (Coleoptera, Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the *population* **fluctuations** of Sitona lividipes Fhs. 028688
Population **fluctuations** of Oriental tobacco budworm (Heliothis assulta G.) in black light-traps and field control studies. 028791
Functional and structural relationships in the graafian **follicle** *population* of the sheep ovary. 024120
Organochlorine compounds in the **general** *population* of the seventies and some of their biological effects (in man and animals). 029170
Population **genetical** structure and the interaction genotype X environment as productivity factors of forest ecosystems. 025233
Population **genetics** of Marseilles' domestic cats. 024017
Mirex and marine unicellular algae: accumulation, *population* **growth** and oxygen evolution. 028337
Influence of temperature on adult biology and *population* **growth** of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. 028709
Influence of temperature on *population* **increase** of Tetranychus mcdanieli (Acarina: Tetranychidae) [Apples]. 028818
Influence of temperature on *population* **increase** of Metaseiulus occidentalis (Acarina: Phytoseiidae) [Integrated mite control, Tetranychus mcdanieli, apples]. 028819
Population **injury** levels and sampling of the pear rust mite [Epitrimerus pyri] on pears in southern Oregon. 028871
On the relations of the [**insect** *population]* turnover rate to P/B [production/mean biomass and production/maximum biomass] and P/Bmax. 029438
Investigation of the genetic processes in **irradiated** *population*. II. Influence of chronic X-irradiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster. 029495
Structure of Glossina tachinoides W. *Populations* in the **Kalamaloue** reserve. VI. 029034
The effect of two pathogens [Adelina, RNA virus] on a black beetle [Heteronychus arator] *population* in **Kikuyu** [Pennisetum clandestinum] pasture. 028784
Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of visible mutations in **laboratory** *populations* of Drosophila melanogaster. 029495
Population and **mortality** assessment during the cocoon stage of the alfalfa weevil, Hypera postica (Coleoptera: Curculionidae). 029286
Field investigations on Aedes fitchii **mosquito** *populations* in a woodland pool ecosystems. 029043
Interrelationships of insulin, glucose, lipid and anthropometric data in a **natural** *population*. 022004
Cannibalism in **natural** *populations* [Insects, animals]. 029231
Inversion polymorphism in **natural** *populations* of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] (Diptera, Simuliidae). 029493
Effects of chemicals and plastic mulch on **nematode** *populations* and yield of tomato. 028407
Effects of nematicides on the **nematode** *populations* and yield of tobacco. 028408
Alternative futures for **nonmetropolitan** *population*, income, employment, and capital [Rural development]. 021683
Response of an early-maturing corn hybrid to planting date and *population* in the **northern** [Great] Plains [North Dakota]. 027358
Effect of social stress and inherited plasma corticosterone levels in chickens on *populations* of the **northern** fowl mite, Ornithonyssus sylviarum. 029031
Population **parameters** of some agronomic characters of [sugarcane] clones in the germplasm collection of La granja Experiment Station, Philippine Sugar Institute. 026295
Vertical interactions in **phytoplankton** *populations*—an asymptotic Eigenvalue analysis [Algae]. 025920
Investigations on optimum **plant** *population* for pineapples in Kenya. 027614
The effects of **plant** *population*, irrigation frequency and cultivars on yield and canning qualities of tomato fruits grown under hot tropical conditions. 027640
Host race formation among sympatric apple, walnut, and **plum** *populations* of the codling moth, Laspeyresia pomonella. 028817
National policy and programs to **redistribute** *population* and industry. 021750
Public intervention and guidance of market forces to achieve **redistribution** *[Population].* 021752
Carbaryl resistance in native and **released** *populations* of Amblyseius fallacis [Michigan, apples]. 028848
Studies on the intraindividual and interindividual variation of chromosome pairing in diploid and tetraploid **rye** *populations*. I. Intraindividual variation. 026095
Changes in the **seagrass** *populations* [Zostera marina, Zostera noltii] of the Dutch Waddenzee. 025866
Relative stability of pure lines, varietal mixtures and **segregating** *populations* in chickpea (Cicer arietinum L.). 026182
Studies on the *population* of **Sitona** (Coleoptera, Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the population fluctuations of Sitona lividipes Fhs. 028688
The effect of mean winter temperature around o degrees centigrade on the *population* **size** of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). 029195
Seasonal and vertical distribution of a *population* of **soil** arthropods: Cryptostigmata. 030274
The epidemiology of leaf spot disease in a native prairie. II. Airborne **spore** *populations* of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923

Use of safflower seedlings for the detection and isolation of Phytophthora cactorum from soil and its application to *population* **studies.** 028064
A computer simulation model for *population* **studies** of woodland pool Aedes mosquitoes. 029009
A *population* **study** of the spittle bugs Aeneolamia occidentalis (Walk.) and Prosapia simulans (Walk.) (Homoptera: Cercopidae) in Mexican Pangola pastures. 028797
Strain changes in *populations* of **tobacco** mosaic virus from tomato crops. 028218
Growth characteristics of **two** *populations* of Pinus rigida Mill. from the pine barrens of New Jersey. 027315
Population **variation** and introgression in north american Typha. 025925

POPULUS
Debarking chips from whole trees *[Populus,* **Acer** saccharum, Pinus banksiana] in the Lake States. 025534
Contribution to the knowledge of ecologico-taxonomic situation of the **aspen** *(populus* tremula L.) in Macedonia. 025846
Ascospore discharge in Drepanopeziza punctiformis in relation to infection of some poplar *[Populus]* **clones.** 027951
Development and organization of the primary vascular system in *Populus* **deltoides** according to phyllotaxy. 025939
Genetic polymorphism of izoenzymes of peroxidases and esterases in *Populus* **deltoides** Bartr. 027341
Appearance of bark cracking and process of healing of the cracks caused by low temperatures on trees of *Populus* X **euramericana** clone I-214. 025062
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of clone I-214 *[Populus* **euramericana].** 025244
One example of the comparative development of the clone of *Populus* **euramericana** I-214 on the alluvial soil of the Vardar in the valley of Skopje. 025247
Research results on the crop-tree clonal test study *[Populus* **euramericana].** 025250
Volume of wood and the current and average increment of *Populus* X **euramericana** clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar experimental plantation of Veliko Polje. 025251
Poplar *[Populus,* **hardwood]** utilization: a problem analysis. 025539
A cottonwood *[Populus]* **management** program for Kansas. 025190
Kansas State University forestry research: background and current status [Juglans **nigra,** *Populus].* 025192
Great Plains cottonwood *[Populus]* **research** needs. 025191
Nebraska's cottonwood *[Populus]* **resource.** 025097
Propagation of Scots pine [Pinus sylvestris] by cuttings [with an extract from *Populus* **tremula** and Populus tremuloides]. 025238
Moisture and density of *Populus* **tremula** wood with consideration of its sex. 025397
Propagation of Scots pine [Pinus sylvestris] by cuttings [with an extract from Populus tremula and *Populus* **tremuloides].** 025238
Development of some young aspen *[Populus* **tremuloides]** stands in Arizona. 025263
Deterioration of aspen *[Populus* **tremuloides]** clones in the middle Rocky Mountains [Regeneration]. 027344

PORCELLIO
Osmotic interrelationship between blood and gut fluid in the **isopod** *Porcellio* scaber Latr. (Crustacea). 029312

PORCINE
Isolation in France and characterization of a *porcine* **corona-like** virus (vomiting and wasting disease) [Piglets]. 024683
Studies on *porcine* **enteroviruses.** I. Isolation of enterocytopathogenic agents from cases of piglet enteritis. 024554
Identification of an essential lysine in *porcine* **heart** mitochondrial malate dehydrogenase. 023481
Plaque assay of rabies virus on *porcine* **kidney** cell monolayers. 024592
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE [pale, soft, exudative] *porcine* **muscle** [Swine]. 022684
Recent tendency in research on PSE [pale soft exudative] *porcine* **muscle.** 022691
The SPS [sodium-polyanethol-sulfonate] and digitonin tests applied to *porcine* **mycoplasmas.** 024401
Primary structure of cytoplasmic aspartate-aminotransferase from *porcine* **myocardium.** Isolation, purification, and characterization of peptides split by cyanogen bromide. 023311
Biological and biochemical properties and pathogenicity of Mycobacterium fortuitum of *porcine* **origin** in mice. 024485
Experimental infection of pigs with *porcine* **parvovirus.** 024488
Distribution of the hemagglutination inhibition antibodies against *porcine* **parvovirus** among swine. 024686
Diagnosis of reproductive failure through gross examination of *porcine* **reproductive** tracts. 024928
Dextranglucosidase activity of *porcine* **spleen** acid alpha-glucosidase. 023308
Histochemical and palatability properties of muscle longissimus from stress-resistant and **stress-susceptible** *porcine* animals. 023455
Changes in fatty acid and triglyceride compositions of *porcine* **tissue** lipids associated with growth of pigs. 023572
The lipolytic activity of **two** *porcine* growth hormone preparations in pigs. 023645

PORES
Scanning electron microscopy of the **septal** *pore* apparatus of Rhizoctonia solani. 025984
The **taste** *pore* of the fleshfly [Boetticherisca peregrina] labellar hair. 029402

PORIA
Crystal structure of pachyman triacetate. A preliminary report [Tree root **fungus** *Poria* cocos]. 026418

PORK *see* SWINE

POROSITY
Coupled saturated-unsaturated transient [groundwater] flow in *porous* **media:** experimental and numeric model. 030387
The *porous* **texture** of freeze dried products. 022467
Transformations of fluxes and forces describing the simultaneous transport of water and heat in **unsaturated** *porous* media. 030389

PORPHYRA *see* BANGIACEAE

PORPHYRINS
Effects by heme, insulin, and serum albumin on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for *porphyrin* **composition.** 023480

PORT
Port of **Galveston** marks 150th anniversary [U.S. Agricultural exports]. 021556

PORTAL
Morphological study of the kidney in the fowl. II. **Renal** *portal* and venous systems. 023569
Concentration and transport of different sugars in the lymph of the thoracic duct and in blood of the *portal* **vein** in dogs after enteral and parenteral administration. 023388
Amino acid absorption by *portal-jugular* **venous** differences in sheep fed two maturities of alfalfa hay. 023756

PORTHETRIA
Activity of juvenile hormone analogues on hymenopterous parasitoids [Ooencyrtus kuwanai, Apanteles melanoscelus] of the gypsy moth *[Porthetria* **dispar,** pest control]. 028644
Gypsy moth *[Porthetria* **dispar]** kairomones influencing behavior of the **parasitoids** Brachymeria intermedia and Apanteles melanoscelus. 028932
Orientation and dispersal of late-stage larvae of *Porthetria* **dispar** (Lepidoptera: Lymantriidae). 029284
Viral release and membrane acquisition by budding through the nuclear envelope of hemocytes of the gypsy moth, *Porthetria* **dispar.** 029431

PORTULACA
Four new species of plants endemic in the Macdonnell and George Gill Ranges, Central Australia *[Portulaca* **filsonii,** Euphorbia sarcostemmoides, Ricinocarpos gloria-medii, Leucopogon sonderensis]. 025753

PORTULACACEAE
P-type sieve-element plastids and betalains in *Portulacaceae* (including **Ceraria,** Portulacaria, Talinella) [Identification]. 025664
P-type sieve-element plastids and betalains in *Portulacaceae* (including **Ceraria,** Portulacaria, Talinella). 026449
Systematics of the Calyptridium umbellatum **complex** *(Portulacaceae).* 025637

POSTMORTEM *see* AUTOPSIES

POSTPARTUM *see* BIRTH

POSTSYNAPTIC *see* SYNAPSIS

POSTURE
Postural **adjustment** associated with movement in the cat. 023353

POTAMOGETON
Response of *Potamogeton* **pectinatus** L. To norflurazon [Herbicides]. 028492

POTASH
French *potash* in 1974. 030505
Response of wheat to nitrogen, phosphorus and *potash* under **rainfed** conditions. 027420
Potash **requirement** of sweetpotato—a review. 027174

POTASSIUM
Effect of the sequence of addition of *potassium* and **ammonium** and preadsorbed cations on fixation of applied ammonium ions in soils. 030239
Nitrogen, phosphorus and *potassium* **balance** in the agriculture of Gomel' Region. 030559
Note on the rubidium as a substitute for *potassium* in **barley** crop [Fertilizers]. 030469
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na *[nitrogen/potassium,* **calcium,** chlorine, sodium] in the medium on growth conditions of cells. 026912
A comparison of *potassium* and **chloride** uptake by Tradescantia albiflora leaf cells at different KCl [potassium chloride] concentrations. 026387
Lethal levels of sodium chloride and *potassium* **chloride** for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. Sodium, *potassium,* **chlorides,** urea and hematocrit. 024355
Effects of an angiotensin inhibitor on adrenocortical response to angiotensin II, ACTH, and K [Adrenocorticotropic hormone, *potassium,* **dogs].** 023206
Soil cultivation and water supply in relation to bitter pit [in apples, **excessive** *potassium,* calcium deficiency]. 028308
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, *potassium]* **fertilizer** on yield, tuber size and N, P and K contents of three potato varieties. 030478
The effect of orchard factors on the chemical composition of apples. IV. Some effects of soil management and NPK [nitrogen, phosphorus, *potassium]* **fertilizers.** 030481
The effect of *potassium* **fertilizers** on frost resistance of the mandarin orange tree. 030538
Effect of *potassium* **fertilizers** on the intensity of microbiological processes and fertility of lowland-type peat-bog soils. 030626
Stoichiometric correlation of malate accumulation with auxin-dependent K+ *[potassium]-H+* **[hydrogen]** exchange and growth in Avena [oats] coleoptile segments. 027030
Long distance transport of *potassium* in **intact** peanut seedlings: effect of sodium and ouabain. 027121
Ozone-induced loss of **intracellular** *potassium* ion from Chlorella sorokiniana [Algae]. 026788
Correlation between *potassium* and **lysine** content in the kernels of normal and opaque (O2) corn. 026138
The estimation of interactions in NPK [nitrogen, phosphorus, *potassium]* **manuring** experiments with grain maize carried out over a number of years. 030569
Effect of concentration of *potassium* in the **medium** on the content of protein in fodder yeast [grown on wood hydrolyzates]. 023030
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 *[potassium* **nitrate]** and gaseous factors. 026388
Muscarinic inhibition of *potassium-induced* **noradrenaline** release and its dependence on the calcium concentration [Rabbits]. 023595
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and *potassium* as **osmotic** pressure regulators of moth cell growth. 029370
Potassium in **paddy** soils of eastern Uttar Pradesh. 030245
Evaluation of soil tests for **phosphorus** and *potassium.* 030241
Effects of isoprenaline and phenyleprine on **plasma** *potassium:* role of the liver [Dogs]. 023260
Calcium, magnesium, *potassium,* and **sodium** in honey and in nectar secretion. 022487
Treating *potassium* deficiency; a summary of recent investigations. 030463
Effect of method [split application] and levels of *potassium* on **tuber** efficiency and rate of bulking in potato varieties. 030452
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, *potassium]* **uptake** of winter wheat Triticum **aestivum).** 030570
Effects of KCl *[potassium* **vhloride]** on the growth of pre-infective stage of Dictyocaulus viviparus larvae. 024487
Effect of N [nitrogen], P [phosphorus], and K *[potassium]* on the **yield** of American cotton variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442

POTATOES
A spectrophotometric assay for trans-cinnamic acid 4-hydroxylase **activity** *[Potatoes].* 027113
Purification and properties of *potato* **1,4-alpha-D-glucan:** 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in amylose-branching enzyme. 027171
The protein, non-protein and total nitrogen in Solanum tuberosum, **ssp. andigena** *potatoes.* 022878
Polymorphism and sensitivity to a juvenile hormone analogue in the *potato* **aphid,** Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
Potato **A-virus** diagnosis by serological methods. 028256
Ratio between size of *potato* **berries** and the quantity and quality of the seeds [Breeding]. 026310
The spread of *potato* **blight,** Phytophthora infestans (Mont.) de Bary, as influenced by sprinkler irrigation. 027909
Overwintering, sources of infection and development cycle of Phytophthora infestans (Mont.) de By. [Late **blight** of *potatoes].* 028017
Problems in **breeding** *potatoes* in the non-Chernozem area. 026210

Belorussian scientists—laureates of the State prize *[Potato* **breeding].** 026252
Reproduction of *potato* **breeding** stock in the German Democratic Republic. 026311
Studies on the Takju [wine] **brewing** with *potatoes.* 022974
A new conveyor for direct storage of *potatoes* in **bulk** [EastGermany]. 030005
Phosphorus in starch *[Potatoes,* **cereals].** 022891
Enemies of the **Colorado** *potato* beetle [Leptinotarsa decemlineata, natural control]. 028904
Experience gained in control of **Colorado** *potato* beetle [Leptinotarsa decemlineata]. 028907
Problems connected with the improvement and cultivation of **commercial** *potatoes.* 027850
Factors affecting taste in *potatoes* **[Composition,** storage]. 022983
Studies on the regional difference in the growth of *potatoes* to the **condition** of cultivation. 027824
Convenience *potatoes* - for profit! 022305
Relationship between chemical composition and breakdown in **cooked** *potato* tissue. 022951
Potatoes in **crop** rotations of Polesye [Yields]. 027783
Some objectives in relation to plant improvement *[Potatoes,* **culture].** 027818
Potato **culture** on a virus free basis. 028288
Distribution of species of *potato* **cyst** nematodes [Heterodera rostochiensis] in South America. 028401
Effects of *potato* **cyst** nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. 028402
Effects of *potato* **cyst** nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two susceptible varieties. 028403
Control of *potato* **cyst-nematodes,** Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt loam soils by oximecarbamate and organophosphate nematicides. 028327
Flavor and stability of **dehydrated** *potato* products. 022917
Devices for improving color development in glycoalkaloid **determination** *[Potatoes].* 022930
The inheritance of three mechanisms of diplandroid (2n pollen) formation in **diploid** *potatoes.* 026164
Control of Phytophthora **[diseases]** of the *potato.* 027996
Control of *potato* **diseases** during storage. 028388
Care of the **early** *potato* under irrigation [Yields]. 030669
Experience of **Estonian** *potato* growers. 027778
European *potato* crops decline [Production]. 021534
The experience of organizing seed production [of cereals, lupine, fiber **flax** and *potatoes].* 027515
Growing *potatoes* for two crops a year [in the Caucasus area] deserves more attention. 027779
Harmful *potato* nematode [Heterodera rostochiensis]. 028470
What you should know before buying a *potato* **harvester.** 030058
Potato **harvesting** and storage: results and information on the operation of the E684 digger and loader and the E691 stationary automatic separator [East Germany]. 030009
Some problems related to the processing of *potato* for **human** consumption. 022899
Record of lunate fly, Eumerus sp. (Syrphidae: Diptera) on *potatoes* from **India.** 028831
The developmental physiology and fertilizer requirements of **Irish** *potatoes.* 027295
Preparations for marketing **irradiated** *potatoes* and onions in the Federal Republic of Germany [Consumer and health considerations]. 021895
Commercialization of **irradiated** *potatoes,* mushrooms, onions and spices in the Netherlands. 022906
Considerations for an analysis of the value of *potato* **irradiation** in Spain. 022907
Status of *potato* **irradiation** in France. 022911
United States potentials and problems for insect disinfestation of wheat and sprout inhibition of *potatoes* by **irradiation.** 028743
Advection modification of the Priestley and Taylor evaportranspiration formula **[Irrigated** *potatoes,* alfalfa]. 027102
A note on response of *potato* to **irrigation** and nitrogen in central tract of Uttar Pradesh. 027758
Changing eating habits **lift** *potato* product trade. 021525
Utilization of production and marketing information by **Maine** *potato* producers. 021474
Influence of cooking upon the nutritive value of *potato* and **maize** in diets for growing pigs. 023777
Fat metabolism in higher plants. The determination of acylacyl carrier protein and acyl coenzyme A in a complex lipid **mixture** *[Potatoes].* 027114
Potato **mop-top** virus and its vector, [the powdery scab fungus] Spongospora subterranea. 027978
On phenol and p-cresol o-hydroxylation by tyrosinases in the presence of ascorbic acid **[Mushrooms,** *potatoes].* 027230
Problems of phytohelminthology *[Potato* **nematodes,** control]. 028476
Identification of a nitrogenous heterocyclic compound responsible for a *potato-like* **off-flavour** in Gruyere de Comte cheese. 021939
Potato and **onion** irradiation in the Netherlands. 022910
Thecaphora solani on *potatoes* in **Peru:** present distributionand varietal resistance. 028076
Leucinodes orbonalis Guenee as a **pest** of *potato.* 028843
Matrix-bounded enzyme. II. *Potato* **phosphorylase** entrapped in polyacrylamide gel after gel electrophoresis. 022898
Conversion of *potato* **phosphorylase** isozymes. 027245
Mechanism of the hypersensitive cell-death in host-parasite interaction *[Potatoes,* **Phytophthora** infestans]. 027972
The ATD-2 apparatus with enlarged bunkers *[Potato* **planting** equipment]. 030066
Water usage by *potato* **plants** at different stages of growth. 027112
Effects of potato cyst nematodes on *potato* **plants.** IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two susceptible varieties. 028403
Potatoes in the **Polesye.** 027784
Observations on a granulosis virus of the **potato** *tuberworm,* Phthorimaea operculella. 028875
Production line for *potato* **preparation** and planting [Mechanization]. 030065
Irradiation treatment for sprout inhibition in *potatoes:* **prospects** for application in Belgium. 022908
Possibilities of **protecting** *potatoes* against warts [Synchytrium endobioticum]. 028101
Influence of boron and manganese on starch **quality** of *potatoes.* 027299
Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles *[Potatoes,* **radishes,** beans, cauliflower]. 027235
Notes on the food irradiation programme in Italy with particular **reference** to *potatoes.* 022909
The effect of melamin and *potato-protein* as **reinforcing** material in the production of urea-treated plywood. 025419
Evaluation of nematode **resistant** *potato* varieties. 028389
Effects of potato cyst nematodes [Heterodera **rostochiensis]on** *potato* plants. III. Effects on the water relations and growth of a resistant and a susceptible variety. 028402
The *potato* in the **rural** extension program of Angola [Culture]. 027823
Pathogenic species of actinomycetes—pathogens of corky **scab** of *potatoes.* 028153
Screening *potato* clones for resistance to dry rot (Fusariumsolani var coeruleum). 027900
Four-year scheme for cultivation of **seed** *potato* stock [Costs]. 021399
Entered acreage of certified **seed** *potatoes* by varieties—1975, United States and Canada. 027708
Virus infection of *potato* **seed** stocks [by Myzus persicae] in Ontario under commercial insect-control practices. 028232
Chemical treatment of *potatoes* in **seed** plots [Pesticide injuries]. 028455
Design and operation of the E691 automatic *[potato]* **separator** [East Germany]. 030006
Hybridization of the *potato* using **shooty** cuttings. 026209
Shredded tree bark as a soil conditioner in *potato* **soils** of New Brunswick, Canada. 030532
Piperonyl butoxide, a potent inhibitor of *potato* **spindle** tuber viroid in Scopolia sinensis. 028228
Comparative studies of two viroids: analysis of *potato* **spindle** tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279
Lack of foliar protection from early blight [Alternaria solani] by aircraft-applied fungicides on **sprinkler-irrigated** *potatoes.* 028070
Tillage of *potato* **stands** [Equipment]. 030067
Breeding of **starchy** *potato* varieties. 026206
Shrinkage during *potato* **storage** and its causes. 022868
Potato **storage** on the farm. 022897
Disinfection of *potato* **storage** places. 023007
Exchange of experience and knowledge on problems of quality control in the storage and **supply** of *potatoes.* 022867
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] fertilizer on yield, tuber size and N, P and K contents of **three** *potato* varieties. 030478
On the advantage of wide operating widths of machine units in *potato* **tillage.** 030161
Chemical desiccation of *potato* **tops,** a useful component in the technology of mass crop production [Harvesting aid]. 027848
Intracellular localization and some properties of two aldehyde oxidase isoenzymes (EC 1.2.3.1) in *potato* **tubers** (Solanum tuberosum). 027128
The p-coumaryl CoA ligase of *potato* **tubers.** 027255
The size of *[potato]* **tubers** and their yield. 027790
Symptoms of Rhizoctonia disease in *[potato]* **tubers.** 027999
Laboratory testing for the resistance of *potato* **tubers** to gangrene (Phoma exigua var. foveata). 028047
Resistance of *potato* **tubers** during storage to Pectobacterium phytophthorum. 028141
Observations on a granulosis virus of the *potato* **tuberworm,** Phthorimaea operculella. 028875
Need to accelerate introduction of highly productive *[potato]* **varieties.** 027781
The evaluation of *potato* **varieties** for suitability for mechanized harvesting. 027841
Nucleoproteids from sprouts of *potato* **varieties** resistant and susceptible to the fungus Synchytrium endobioticum (Schilb.) Perc. [Wart]. 028016
Potato **varieties** resistant to the Colorado beetle [Leptinotarsa decemlineata]. 028878
Effect of method [split application] and levels of potassium on tuber efficiency and rate of bulking in *potato* **varieties.** 030452
Use of all reserves to increase productive capacity **[Vegetables,** *potatoes].* 021284
Some characteristics of infectious RNA from *potato* **virus** Y. 022209
Lack of *potato* **virus** S transmission via true seed in Solanum tuberosum. 028261
Some leguminous hosts for *potato* **virus** X [Gomphrena globosa]. 028269
Reconstitution of *potato* **virus** X in vitro. I. Properties of the dissociated protein structural subunits. 028282
Reconstitution of *potato* **virus** X in vitro. II. Characterization of the reconstituted product. 028283
Pathogenic races of *potato* **wart** [Synchytrium endobioticum (Schilb.) Perc.] and their virulence. 028019
The economic feasibility of onion, *potato* and **wheat** irradiation in India. 021395
Residual effect of soil fumigation with vine burning on control of Verticillium [albo-atrum] **wilt** of *potato.* 028060
Influence of zonal conditions on *potato* **yield** [Ivanovo-Frankovsk Region]. 027780
Direct and residual effect of green manures and other organic residues on soil aggregation and *potato* **yield.** 030483
Aftereffects of herbicides [Vegetables, *potatoes,* **yields,** weed control]. 028524
Use of liquid manure for *potatoes* **[Yields,** weed control]. 030427
Effect of application dates for organic fertilizers on *potato* **yields.** 030556

POTENCY

Piperonyl butoxide, a *potent* **inhibitor** of potato spindle tuber viroid in Scopolia sinensis. 028228
Relative pre- and **postsynaptic** *potencies* of alpha-adrenoceptor agonists in the rabbit pulmonary artery. 023597

POTENTILLA

Hydrolyzable tannides of *Potentilla* **[chrysantha].** I. 026481
Nutritive characteristics of some species of *Potentilla* L. 026538

POTENTIOMETRY

Potentiometric **determination** of nitrogen in fluids produced by hydrolysis. 022437
Collaborative study of a *potentiometric* **method** for the determination of fluoride in vegetation. 026622
Interaction of gossypol with cottonseed protein: *potentiometric* **studies.** 022791
A review of work on *potentiometric* **titration** of south Indian soils. 030296

POULTRY

Relationship between LP [liquified petroleum] gas usage and amount of roof insulation in **Arkansas** *broiler* houses. 029905
Feeding and pigmentation in **aviculture** *[Poultry].* 023927
Feeding and pigmentation in **aviculture** *[Poultry].* 023928
Roll of starvation factor in pneumomycosis infection in **birds** *[Poultry].* 024557
Stroncium content of *poultry* **bones** and egg-shell. 022723
Peru **boosts** *poultry* output, U.S. Feedgrain imports. 021553
Control rodents around *poultry.* Why **bother** to control rodents? [Feed]. 028336
Myopathy of the deep pectoral muscle in *broiler* **breeder** hens. 024820
Poultry **breeding** for egg production. 024076
Few aspects of pure line **breeding** *[Poultry].* 024162
Soviet distress slaughter [of hogs and *poultry* **brought** about by the poor grain crop] down from September high [Production]. 021562
Problem of profession of *poultry* **caretakers.** 021237
A new look at restricted feeding of *pullets* **[Chickens].** 023814
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the fatty liver and kidney syndrome in *broilers* **[Chickens].** 024829
Histology of the developmental process of the femoral diaphysis and its pathological significance in *broiler* **chickens** [Bone diseases]. 024874
Gross protein value of dehydrated poultry manure and various supplements determined by *broiler* **chicks.** 023838
Influence of high relative humidity on performance of strains of **commercial** *broilers.* 023094
Some factors influencing the feather-skin **connection** *[Poultry].* 023340
The occurrence of Listeria [monocytogenes] encephalitis in cattle in loose housing after the use of litter infected with Listeria from a briler farm. To what extent do Listeria bateria occur in the gut **contents** of *broilers?* 024736
Effects of various energy protein ratios in rations on growth and feed **conversion** of *broilers.* 023837
The right way to **debeak** *[Poultry].* 023122
Gross protein value of **dehydrated** *poultry* manure and various supplements determined by broiler chicks. 023838
The role of the infectious bursal agent and several avian adenoviruses in the hemorrhagic-aplastic-anemia syndrome and gangrenous **dermatitis** *[Broilers].* 024451
Use of full fat soybean in broiler and *pullet* **developer** diets. 023845
A closer look at the World Food Project no. 353 in aid of *poultry* **development** in India. 021759
Future research and **development** of *poultry.* 021760
Cholesterol content and fatty acid composition in egg yolks and blood plasma of *poultry* **[Dietary** effects]. 023717
Manioc leaf meal in *poultry* **diets.** 023722
Development of *poultry* **diets** which do not compete with human food resources. 023809
Near possibility of reducing cereal grains in *poultry* **diets-a** review. 023812

Egg drop syndrome **(EDS)** *[Poultry].* 024844
Studies on the effect of the alteration in the internal environment of *poultry* **egg** on embryonic growth. V. Effect of albumin removal on embryonic growth in chickens. 023661
Production and marketing costs and margins for *poultry* and **eggs.** 021426
Incubation [Avian **eggs** including *poultry].* 024035
Coccidiosis in *broilers:* **evaluation** of infection by the examination of broiler house litter for oocysts. 024455
Recirculation of centrifugate in mechanical dehydration of *poultry* **excrements** [Waste removal]. 029983
Poultry **farming** in the Philippines: general view. 023142
Isolation of Mycoplasma species from squirrels (Ratufa indica) [from the vicinity of *poultry* **farms].** 024565
Hydrocyanic (HCN) toxicity in *broilers* **fed** diets contaning cassava. 024987
How to economise on *poultry* **feed.** 023811
Preliminary studies on mycoflora of *poultry* **feed** and litter [Mycotoxicosis]. 024964
A view to the calorific value of Indian **feeds** for *poultry.* 023039
Problems with molds and mycotoxins in *poultry* **feeds** [Mycotoxicosis]. 023060
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in *broiler* **finisher** diets on fat deposition in the carcass. 023715
Contribution of cooperation in **French** *poultry* production regions. 021264
Equipment probe 6: *broilers,* **griddles,** and fryers: the ABC'sof a successful foodservice operation. 022333
Cassava and cassava leaf as meal for *broilers* and **growers.** 023834
Additional developments on the automated cage system for **growing** *broilers.* 023093
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breeds. I. On the **growth** of the *broilers.* 024048
Coccidiosis in broilers: evaluation of infection by the examination of *broiler* **house** litter for oocysts. 024455
2,4,6-trichloroanisole in *broiler* **house** litter: a further cause of musty taint in chickens. 024975
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a *poultry* **house** [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Coop research at Lovsta *[Poultry* **housing].** 023113
Exploitation of some wastes of vegetable oils as sources of vitamin E in animal and *poultry* **husbandry.** 023944
Common diseases of *poultry* in **Idaho.** 024307
The effects on liver metabolism of administering excesses of biotin to **immature** *pullets* and laying hens. 023341
Insect ectoparasites of *poultry* in **India** and their control [Insect pests]. 029018
Financial management—cost analysis in *poultry* **industry.** 021366
The *broiler* **industry** in 1976. 021765
Specialization and concentration in the *poultry* **industry** of Belorussia. 021815
Plans for economical measures in the *poultry* **industry.** 023097
Gumboro disease in Thailand *[Poultry,* **infectious** disease]. 024672
A veterinary-controlled meat and *poultry* **inspection** centre in Canada. 021978
Field surveys on coccidial [Eimeria] infection in *broilers* in **Japan**—results obtained in autumn and winter and summarized in 1973. 024631
Survey of drug resistance of chicken coccidia [Eimeria] collected from **Japanese** *broiler* farms in 1973. 024633
Comparison of nutritive values of groundnut oil cake and Niger oil cake for **laying** *pullets* [Chickens]. 023712
Restricted feeding of **laying** *pullets* [Chickens]. 023744
A guide to the control of external parasites of *poultry* **[Lice,** mites, ticks, fleas]. 029072
Morphological and chemical indices of eggs of hybrid and **line-bred** *poultry* with varying levels of nutrition. 024241
Identification and flagellation of coryneform bacteria from *poultry* **litter.** 024497
The fungus era *[Poultry,* **livestock,** mycotoxicosis]. 024953
Future trends in *poultry* **management.** 021279
Utilization of *poultry* **manure** in rations for lambs. 023691
Utilization of sugarcane leaf and *poultry* **manure** in beef cattle rations. 023846
Poultry **manure**—its use in agriculture [Grasses, fertilizers]. 030428
Supplying Alaska's red meat & *poultry* **markets.** 021471
Processing of *poultry* for **meat.** 022725
Day-length during rearing and the subsequent egg production of **meat-strain** *pullets* [Chickens]. 023337
Digestion, absorption and utilization of **nutrients** in *poultry.* 023810
High air temperature and *poultry* **performance.** 023138
Model of *broiler* **performance** as affected by temperature and humidity. 023665
Protein, and amino-acid requirements of *poultry,* **pigs** and ruminants. 023850
The replacement of some of the soybean meal by the first-limiting amino acids in **practical** *broiler* diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breeds. I. On the growth of the broilers. 024048
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breed. II. On the dissecting yields. 024049
Studies on the *Satsumadori-crossbred-broilers* **produced** by crossing with some other breeds. III. On the chemical composition of muscle. 024050
How nutrition research has improved the economy of *poultry* **production.** 023820
Breeding for *broiler* **production** [Chickens]. 024075
Comparative characteristics of primary domestic breeds of rabbits in the **production** of *broilers.* 024245
Potential for conversion and utilization of solar energy in *poultry* **production** [Housing]. 029969
Microflora of the air of poultry quarters and their effect on the health and **productivity** of *poultry.* 024342
Method to increase cassava **protein** for *broilers.* 023840
Use of full fat soybean in *broiler* and **pullet** developer diets. 023845
Microflora of the air of *poultry* **quarters** and their effect on the health and productivity of poultry. 024342
Ventilation, feed waste, breakage **[Raising** *poultry].* 023114
Preliminary study on using IS 8719 sorghum grain in *broiler* **rations.** 023842
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by **reovirus-infected** *broiler* breeders. 024439
Sampling *broiler* house litter for coccidial oocysts. 024473
Suppressive effects of antibiotics on experimentally inoculated Staphylococcus aureus populations on the **skin** of *poultry.* 024459
Financing **small** *poultry* farmers. 021397
North Carolina **started** *pullets:* management, integrity, sanitation, immunization. 023105
Adenovirus respiratory infection in **turkey** *poults.* 024435
Blood glucose and tissue glycogen levels in **turkey** *poults* with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818
Restricted feeding of *boiler* **type** chickens. 023794
Preliminary vaccination trials with Mathura strain of infectious bronchitis **virus** of *poultry.* 024551
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to aerosol vaccination of *poultry* with **virus** vaccine, LaSotta strain, against Newcastle disease. 024773
"Foot **weakness"** in *broilers.* 024841
Interaction of aflatoxin with Eimeria tenella infection andmonensin in **young** *broiler* chickens. 024442

POVERTY

Poverty and **peasants** in the Rioja 1883-1910. 021075

POWDERS

Cowpea *powders* dried with methionine: preparation, storage stability, organoleptic properties, nutritional quality. 022929
Application of freeze drying for preparation of **dehydrated** *powders* from liquid food extracts. 022442
Recycling. 42. Physical chemistry of *powdered* **milks.** 022641
Influence of crystallization of lactose in serum concentrate on hygroscopicity and agglomeration of [whey] **serum** *powder.* 022628

POWDERY

Patterns in the numbers of air-borne conidia of **apple** *powdery* mildew, Podosphaera leucotricha (Ell. and Ev.) Salm., and their relevance to control measures. 028036
Important *powdery* mildew [Erysiphaceae] diseases in India and their control. 027958
Powdery **mildew** [Erysiphe betae] of sugarbeets. 027941
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the *powdery* **mildew** [Podosphaera leucotricha] of apple trees. 028030
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. Synthesis and fungitoxicity to Erysiphe graminis on barley *[Powdery* **mildew].** 028040
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. III. A quantitative Hansch analysis [Barley, Erysiphe graminis, *powdery* **mildew].** 028042
Surfactants for the control of apple *[powdery]* **mildew** [Podosphaera leucotricha]. 028043
Influence of *powdery* **mildew** [Erysiphe graminis] on mitotic cell division of apical root meristems of barley. 028046
Fundamentals of a *powdery* **mildew** [Erysiphe graminis] forecast on spring barley. 028106
Tolerance of Botrytis cinerea and **rose** *powdery* mildew [Sphaerotheca ?pannosa]. 027934
Potato mop-top virus and its vector, [the *powdery* **scab** fungus] Spongospora subterranea. 027978

POWER

On some features of systems of **electric** *power* supply for forest enterprises. 025036
Effect of heated water of thermal **electric** *power* plants on the oxygen regime of a stream. 030760
The first experiences in diagnosing **forest** *power* machines. 025283
Accelerated evaluation of the **germinating** *power* of the spores of resin fungi [Cronartium]. 028107
High *powered* low temperature refrigeration plants in industrial freeze drying. 022455
Nail **holding** *power* of plywood. III. Effect of plywood thickness and nail diameter. 025386
Analysis of **input** *power* on screw conveyer drive. 029990
Examination of *power* **machines** of high output, which are applicable for large-scale vine plantations on sandy soil. 030098
School foodservice discovers **pupil** *power.* 022247
Spectral **radiant** *power* of lamps used in horticulture. 030148
Questions of operation of alfalfa harvesting carried out by *high-power* **self-propelled** forage harvesters. 030101
A study on the design of rotary mower as a *power* **tiller** attachment. 030115

POX

Studies on propagation and cytopathogenicity of **fowl** *pox* virus (Beaudette strain) on chicken embryo fibroblasts. 024568
Attempt to organize **plum** *pox* control in international cooperation. 028171
Further studies about the host range of sharka **(plum** *pox)* virus. 028179
Protection with some strains of sarka **[plum** *pox]* virus. 028193
Serodiagnosis of **plum** *pox* virus. 028195
Study of sharka **[plum** *pox* virus] spread pattern in some plum orchards. 028198
Susceptibility of plum varieties to **plum** *pox* disease. 028199
Examinations concerning the range of host plants of the **plum** *pox* virus (PPV). 028290
Experiments to verify the **plum** *pox* virus (PPV) by communicating it on Chenopodium foetidum Schrad. 028291

PRAIRIE

Plant communities of the **Irwin** *Prairie* and adjacent wooded areas. 025887
The use and abuse of new pasture cultivars: with special reference to 'Grasslands **Matua'** *prairie* grass. 027399
The epidemiology of leaf spot disease in a **native** *prairie.* II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923
Estimating crop acreages in the *prairie* **provinces.** Application of recursive programming. 021171
Desert termite [Gnathamitermes tubiformans] control in a **shortgrass** *prairie:* effect on soil physical properties. 028727
Prairie **Village,** [Kansas], Commodity Office operations [Commodity Credit Corporation]. 021692
Hazards to predators feeding on *prairie* **voles** killed with zinc phosphide [rodenticide]. 029141

PRATYLENCHUS

Control of *Pratylenchus* **brachyurus** in rough lemon seedlingswith Dowco 275 (diethyl-fluoropyridyl-phosphorothioate. 028406
A modified apparatus for the extraction of nematodes from sterile culture *[Pratylenchus,* **sweetcorn].** 028399

PREALBUMIN *see* ALBUMINS

PRECIPITATION

Soluble protein concentrate [food supplement] from alfalfa by low-temperature **acid** *precipitation.* 022775
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae **alum** *precipitated* vaccine and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567
A **cold** *precipitable* fibrinogen complex in the plasma of cattle dying from infection with Babesia argentina. 024787
Monthly *precipitation* characteristics in Tottori Prefecture. 1. Normalization of frequency distribution and proable monthly precipitation [for irrigation planning]. 030740
The changing acidity of *precipitation* **[Plants,** injuries]. 028416
Precipitation **reactions** between components of plant tissue extracts [Jackbeans, kidney beans, pigeon peas]. 027123
Boar **seminal** *zinc-precipitable* protein and the haemagglutinin. 024115
Serological identification of cucumber mosaic virus by means of **simplified** *precipitation* tests (Short communication). 028221
Measurement of **winter** *precipitation* in windswept areas. 030702

PRECIPITIN

Multiple antigenic sites on an eicosapeptide. I. *Precipitin* **studies** in the goat. 024532

PREDATION

Modeling **arthropod** *predation:* wasteful killing by damselfly naiads [Anomalagrion hastatum, Ischnura ramburii]. 029319
Predacious **effect** of vedalia beetle, Rodolia cardinalis Mulsant to population of cotton cushion scales, Icerya purchasi Maskell in citrus orchard [Insect pests, biological control]. 028823
Predacious **mites** (Acarina: Phytoseiidae) on sprayed apple trees at Bathurst (N.s.w.). 028381

A comparison of *predation* by the **pentatomids,** Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, Epilachna varivestis Mulsant [pest of soybeans]. 028705
Introduction of a *predacious* **red** wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925

PREDATOR
The establishment of Coccinella septempunctata L. In the continental United States [**Aphididae** *predators,* biological control]. 028642
Biology and nymphal stages of Deraeocoris nebulosus (Hemiptera: Miridae), a *predator* of **arthropod** pests on ornamentals. 028814
Transportation and culture of Tytthus mundulus [**egg** *predator* of the sugarcane leafhopper, Perkinsiella saccharicida in Australia]. 028756
Hazards to *predators* **feeding** on prairie voles killed with zinc phosphide [rodenticide]. 029141
Toxicity of organophosphorus systemic pesticides to *predator* **mites** [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
The role of the perrennial stinging nettle, Urtica dioica, as a reservoir of beneficial natural enemies *[Predators,* **parasites** and entomophagous fungi on Microlophium carnosum]. 028636
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a **seed** *predator* of Cassia grandis L. (Caesalpiniaceae) in Central America. 025801
Coyotes do kill **sheep!** *[Predators].* 023136
Amblyseius bibens (Acarina: Phytoseiidae), a *predator* of **spider** mites (Tetranychidae) in Madagascar [Biological control]. 028645
Stethorus as a *predator* of the **spider** mite [Tetranychidae, biological control]. 028694

PREGERMINATION *see* GERMINATION

PREGNANCY
Comparison of the nutritional status of *pregnant* **adolescents** with adult pregnant women. II. Anthropometric and dietary findings. 021997
Pregnancy **anabolism** of copper in relation to the copper supply. 023954
Serum calcium and magnesium levels during *pregnancy* and at **calving** in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Induction of ovulation and *pregnancy* in **captive** cottontail rabbits by exogenous gonadotrophin treatment and artificial insemination. 024225
Research on the *pregnancy* of **cows** in the Harasi Breeding Farm. 024112
Prenatal **development** of the autonomic innervation to the pelvic viscera in ox (Bos taurus). 023444
Diagnosing *pregnancy* in ewes [sheep] by rectal palpation. 024180
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to *pregnancy* **diagnosis,** season, age and carcase weight. 024034
Experiences in Great Britain on *pregnancy* **diagnosis** of cattle with help of determining milk progesterone. 024233
Prenatal **effects** of elymoclavine [produced by Claviceps purpurea] administration and temperature stress [Mice abnormalities]. 024859
Evolution of plasma progesterone at the end of *pregnancy,* of **ewe** bearing a hypophysectomised fetus. Effect of dexamethasone administration. 024051
Electrical activity of phrenic nerve and diaphragm in utero *[Pregnant* **ewes].** 024096
Changes in ascorbic acid metabolism of the offspring following high maternal intake of this vitamin in the *pregnant* **guinea** pig. 022027
Comparison of intra-uterine metabolism of prostaglandin F2alpha in ovine and **human** *pregnancy.* 023514
Laparoscopic *pregnancy* diagnosis and uterine fluid recovery in swine. 024209
Effects of intravaginal flurogestone acetate and PMS *[pregnant* **mares** serum] administration on the reproductive performance of ewes in a cool environment. 024196
Synchronization and stimulation of estrus in sheep with Megestrol acetate and *pregnant* **mare's** serum. 024270
Embryonic mortality during the pre- and post-implantation periods of *pregnancy* in **mature** mice after superovulation. 024119
Differences due to species, sex and *pregnancy* in **microsomal** induction by diphenylhydantoin in rabbits and rats. 023256
Alterations of serum progesterone level in *pregnant* and **nonpregnant** mares. 023565
Relationship between diet during *pregnancy* and **nutritional** status of the new born [child]. 022110
Relationships of ascorbic acid to *pregnancy,* and **oral** contraceptive steroids. 022043
Effect of maternal malnutrition on maternal health and the **outcome** of *pregnancy.* 022189
Radioimmunoassay for bovine plasma 4-androstenedione and result obtained at the time of *pregnancy,* **parturition,** and postpartum. 023566
Embryonic and placental development during prolonged inanition in the **pig** *[Pregnancy].* 023212
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the *pregnant* **rat.** 023281
Comparison of single- and two-phase dilution of boar semen and its effect on *pregnancy* **rate.** 024279
Effectiveness of **rearing** *pregnant* heifers on specialized farms [Costs]. 021456
Energy requirements for *pregnancy* in **sheep.** 023827
Pregnancy in **slaughtered** cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and carcase weight. 024034
Group rearing of *pregnant* **sows** [Barns]. 029921
Scans for backfat and *pregnancy* **[Swine].** 024159
Japanese encephalitis virus in *pregnant* **swine.** 024675
Action of energy supply during *pregnancy* on **weight** development and reproductive performance in sows. 024232
Dietary requirements of *pregnant* **women.** 022188

PREMATURITY
Premature **budding** of garden mum [Chrysanthemum]. 027162
The effects of irrigation frequency and cultivars on *premature* **cracking** and blossom-end rot of watermelon fruits grown in the Sudan [Plant injuries]. 030632

PRENATAL *see* PREGNANCY

PRESERVATION
Preservation of **agricultural** land: rational and legislation. The British Colombia experience. 021179
Effects of different systems of **alfalfa** *preservation* on the ingestion, digestibility and passage speed of feed residues in adult sheep. 023919
An outline of microbiological contamination of **commercially** *preserved* vegetables during the last 15 years. 021858
Preservation of **comminuted** orange products. 022941
Investigation of the process of corn harvesting with **crushing** and its *preserving.* 030099
Advanced harvest and *preservation* of **cut** chrysanthemums. 022977
Determination of the fat, protein and lactose content of **10day** *preserved* milk samples by means of the infrared milk analyzer (IRMA). 022636
Studies on the landscape management of pasture land using the plant succession theory. 2. The inspection of artificial grasslands from a standpoint of **environmental** *preservation.* 027495
Use of chemical supplements for **feed** *preservation.* 023087
Food *preservation:* drying, canning, freezing. 022226
Principles and application of radio-frequency energy to **food** *preservation* with particular reference to concentration and dehydration. 022460
The situation and tasks of *preserving* **genes** in the forestry of Hungary [Forest genetics]. 025186
Osmophilic yeasts [Saccharomyces rouxii] in *preserved* **ginger** products. 022503
Hay *preservation* and quality improvement by anhydrous ammonia treatment [Digestibility, cattle]. 023012
Chemical protection of plants and *preservation* of **human** health. 029185
Farther attenuation of the virulence of Brucella abortus 19with *preservation* of its **immunogenicity** [Cattle]. 024538
Modified method for the estimation of ascorbic acid from *preserved* **juices** and squashes. 022164
Air flow resistance and density of alfalfa **leaves** *[Preservation].* 022842
Preservation of **mixed** species lactic starter concentrates by freezing and lyophilization methods. 022616
Better quality and *preservation* by better **protection** of plants [Apples]. 027739
Possibilities and problems of introducing **radiation** *preservation* of foodstuffs in Uruguay. 022474
Preservation of **stored** moist maize-grain in a plastic enclosure, while waiting for drying. 023017
Elements of soil biology: Let **us** *preserve* it if we with to survive with it. 030175
Preservation of **wet** yeast for animal feeding. 023014
Past and future of **wildlife** *preservation* in the Polish People's Republic. 030833
Evolution of chlorinated phenols from concentrated boron solutions containing these phenols added as their sodium salts [**Wood** *preservation].* 025465

PRESERVATIVES
Penetration of oil-borne [wood] *preservative* in **American** elm [Ulmus americana]. 025477
The effect of BFCA [boro-fluoride-chrome-arsenic] *preservative* on **drying** property of beech wood [Fagus sylvatica]. 025428
The effect of BFCA [boro-fluoride-chrome-arsenic] *preservative* on **shrinkage** property of beech [Fagus sylvatica] wood. 025427
Investigations of the impregnating behaviour of tributyl-tin oxide in different **wood** *preservative* formulations with the help of an active substance labelled with carbon isotope. 025374
On the interaction between bacterial and **wood** *preservatives.* 025380

PRESSING
Increase of NADase activity during storage of *pressed* **baker's** yeast [Saccharomyces cerevisiae]. 022369
Procedural change in the official method for the extraction of light filth from cocoa, chocolate, and *press* **cake.** 021915
Tests of screw **conveyor** *press* for forming hydrolyzed lignin. 025338
Nomenclature of enterprises for preparation of **full-value** *pressed* combined feeds. 023085
Method of determining formaldehyde and methanol extracted in poly-condensation of resin in **hot** *pressing* of particle boards. 025395
The "Direx-40" process for direct solvent extraction of seeds with a high oil content without *pre-pressing,* **i.e.** without using expellers. 022819
New method of *[press]* **packing** sunflower husks [for transport to hydrolitic processing establishments]. 022764
Recent developments of multi-daylight **particleboard** *presses.* 025359
The AP 45 Welger collector high **pressure** *press* [Feed processing equipment]. 030038
Effect of water-soluble substances of hydrolyzed lignin on the properties of the *pressed* **products.** 025307
Quality of *pressed* **steaks** from stored [beef] tenderloins. 022703
Wet *pressing* [Paper manufacture]. 025269

PRESSURE
Arterial *pressure-flow* relations in the awake standing dog. 023201
Correlation of specific surface area of soils according to the BET theory with cation exchange capacity, water content at the suction of 15 **atmosphere** *pressure.* 030378
Metabolic response of animals exposed to several **atmospheric** *pressures* [Rats]. 023635
The effects of histamine and some histamine-like agonists on **blood** *pressure* in the cat. 023331
Effect of **continuous** *positive-pressure* ventilation (CPPV) on edema formation in dog lung. 023462
Reducing losses of *pressure* in **feed** transporting in vibrating tubes. 030162
Cerebrospinal **fluid** *pressure* in acute-and chronic hypovitaminosis A of the male weanling rabbit. 022201
Interstitial **fluid** *pressure* in canine gastric mucosa. 023218
Cerebrospinal **fluid** *pressure* and squamous metaplasia in chronic hypovitaminosis A of the male weanling rat. 023643
An improved apparatus for *pressure-injecting* **fluid** into trees. 025254
Absence of estimated **glomerular** *pressure* autoregulation during interrupted distal delivery [Dogs]. 023200
Pressure of **granular** material on wall of model silo. 029915
Separation of coffein, theophyllin and theobromine with help of **high** *pressure* fluid chromatography. 022492
Determination of beer flavor compounds by **high** *pressure* liquid chromatography. IV. nucleotides. 022546
The AP 45 Welger collector **high** *pressure* press [Feed processing equipment]. 030038
With **high** *pressure* in the last crack [Cleaning equipment]. 030059
Determination of sugar, glycerol and ethanol in wine by means of *high-pressure* **liquid** chromatography. 022892
Quantitative determination of limonin in grapefruit juice by *high-pressure* **liquid** chromatography. 022919
Cardiovascular responses of the anaesthetized cat to lower body **negative** *pressure.* 023322
Serum coloidal **osmotic** *pressure* in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and oedema [Malnutrition]. 022058
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as **osmotic** *pressure* regulators of moth cell growth. 029370
Delignification of wood using *pressurized* **oxygen.** II. Kinetics of lignin oxidation. 025469
Direct PCO2 [carbon dioxide **partial** *pressure]* measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. 023377
Total cardiopulmonary bypass in the rabbit. Techniques and action of pulsatile **perfusion** *pressure* frequency on the hemodynamic parameters. 023559
Use of an isolator system to study the **selective** *pressure* of sulfaquinoxalin-containing coccidiostats on Escherichia coli population in chicks. 024810
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by **single** *pressure* process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Measurement of resistance of **soil** to *pressure.* 030173

PRETREATMENT
The action of fluoride on the **calcium** *pretreated* blood [Rabbits]. 023542
On an **enzymatic** *pretreatment* of softwoods to improve their penetrability. 025364
Pretreatment of **milk** and skim milk for the manufacture of buttermilk and yoghurt. 022572

PREVENTION
Accident *prevention* devices for dropping outlets [Storage of hay and straw]. 030023
Studies on the *prevention* of **checks** during drying. 2. Drying schedule for the boxed heart of Larix wood. 025417
Main agents of biological alterations of building timber. *Preventive* and **curative** treatments. 025276
Use of auxin-like substances for *preventing* **damage** from, and increasing efficacy of, nitrogen applied in large doses. 030465

Ways of overcoming and *preventing* the **development** of resistance to acaricides in the citrus red hairy mite. 028892
Keeping calves in reduced cages **[Disease** *prevention].* 024811
Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to *prevent* **flower-bud** abscission [Varieties, forcing]. 027588
Preventing **greenbug** [Schizaphis graminum] outbreaks [on small grains and sorghum]. 028769
Studies on *preventive* **immunization** against bovine babesiosis. 024693
Induction of p- mutants in Saccharomyces cerevisiae [yeasts] by guanidine hydrochloride. II. Conditions that *prevent* p- **induction.** 026225
A new form of vesicular diseases of swine and *preventive* **measures** against them [Enteroviruses]. 024645
Prevention of **puerperal** neuroses in the cow: effect of administration of phosphorus preparations. 024901
Closed-wound irrigation of compound and contaminated fractures as a *preventive* and **treatment** for osteomyelitis [Dogs, cats]. 024927

PREWEANING *see* WEANING

PRICES
Effects of milk *[price]* **control** studied in 83 markets. 021637
Analysis of garlic supply in Minas Gerais from 1948 to 1970 [Supply and **demand,** *prices].* 021628
Weather and **farm** *prices.* 021600
How **farmland** *prices* have recovered [England]. 021185
Effect of energy and **fertilizer** *price* increase on farms. 021409
Most foreign **food** *price* rises exceed U.S. Increases. 021547
Food *prices.* 022250
Citrus **handling** *cost-price* squeeze continues. 021445
U.S. **Honey** *prices* firm despite larger imports. 021566
Prices of **international** significance. 021498
How will the **intervention** *price* rise on the butter market work? 021484
Public land banking and the *price* of **land.** 021197
Exchange rate fluctuations and border levies: consequences for swine producers in the German Federal Republic with respect to their 1970-1973 *price* **level.** 021463
Australia's cattle problem: **low** *prices,* larger herds [Demand]. 021522
Pig prices drop with **market** *price.* 021576
Impact of conversion to grade A on Federal Milk Orders *[Prices,* **marketing].** 021481
Milk *pricing.* 021464
New *prices* for bread and tortillas. 021599
Linking **pig** *prices* to feed costs. 021425
Pig *prices* drop with market price. 021576
Price of **piglets** in focus. 021649
A model of the feed grain sector of Canadian agriculture *[Price* **policies].** 021477
Redescription of Eutogenes vicinus Summers and *Price,* a **predatory** polymorphic, cheyletid mite with descriptions of males and immature stages (Acarina: Cheyletidae). 029659
Prices and **price** spreads for turkeys in November and December. 021610
Need of increasing fruit culture [Cost, *prices,* **productive** capacity, Colombia]. 021633
Economical prospects of protected cultivation [Costs, *prices,* **returns].** 021357
To increase the economic efficiency of tobacco growing in the Crimea **[Returns,** *prices].* 021447
Forecasting crop quality [Sugarcane, *price-quality* **schemes,** statistical analysis]. 021632
They've come a long way **[Soybeans,** *prices].* 021640
Spatial *price* differentials for corn. 021638
Prices and *price* **spreads** for turkeys in November and December. 021610
Price **stabilization** through deficiency payments [Swine]. 021478
Philippine coconut output soars, as *prices* **tailspin** [Demand]. 021554
The new **tractor** *prices.* 030050
Improvement of **zonal** *prices* for cereals [Costs, returns, Ukraine]. 021455

PRIMATES
Veterinary work at a *primate* **collection** in kenya. 024375
Metabolism of ascorbic acid and ascorbic-2-sulfate in man and the **subhuman** *primate.* 022039

PRIMER *see* BOOKS

PRIMITIVE
The National Forests; National Forest wildernesses and *primitive* **areas.** 025092
Ferns and other *primitive* **vascular** plants of central south Georgia. 025671

PROBABILITY
Studies on the administration of food sanitation, especially for the theoretical development of *probability* **process.** 021856

PROBING
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] *probing* **behavior** and virus transmission efficiency [Cowpeas]. 028771
Equipment *probe* 6: broilers, griddles, and fryers: the ABC'sof a successful foodservice operation. 022333
Equipment *probe* 4: microwave ovens don't replace but complement conventional cooking units. 022334
Lethal yellowing: **intensive** *probe* is launched [Coconuts, diseases of unknown origin]. 028440
The behaviour of aphids [Aphididae] as influenced by different plant species and their chemical treatment, related to the percentage of piercing specimens and to the **short-term** *probes.* 028638

PROFITS
The origin of sugarcanes and centres of genetic diversity in Saccharum: an enquiry to determine the most *profitable* **areas** to explore for sugarcane germplasm. 026298
Profitable **breeding** plans [Dairy cattle]. 024222
Balance value, **cost** and *profits.* 022295
Mathematical model for *profit* **development** in a sector of agriculture [Statistical methods]. 021668
Implanting calves for added pounds and *profit* **[Diethylstilbestrol,** growth]. 023648
Will milk production also be *profitable* in the **future?** 021417
Christmas turkeys—efficiency the **key** to *profit.* 021243
A *profitable* **lesson** in sandwichery. 022304
Winter corn can butter up **menu** *profits.* 022316
Feeding **pigs** for *profit.* 023806
Marigold [Tagetes] cultivation for **pleasure** and *profit.* 027735
Convenience **potatoes** - for *profit!* 022305
Profit more with **vegetables.** 022358
Cultivation of chiku [fruit] is *profitable* **venture** in north India. 027733
Who's making the *profit?* 022242

PROGENITORS
Ammotragus lervia: *progenitor* of the **domesticated** sheep or specialized offshoot of caprine evolution? 023406

PROGENY
Beef *progeny* testing report 1974-1975. 024223
Pig testing results **[Boar** *progeny* tests completed during the period December 1974—July 1975]. 023973
Nonnuclear mutations in sunflower. II. Lethal chlorophyll mutations in the *progeny* of **plants** with variegated leaves. 026286
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and *progeny* and **possible** role of selenium [Swine, feeding]. 023818
Effect of maternal sucrose intake on the metabolic patterns of mature **rat** *progeny.* 021998
Predicting beef sire genetic values for growth traits from *progeny* **records.** 024094
Gamma irradiation of adult Plodia interpunctella: Effects on mating, sterility, and number of *progeny* [in **stored** peanuts in Georgia]. 028969
Presenting beef information [use of artificial insemination in beef cattle, *progeny* **test].** 024169
Fifteenth-year results from *progeny* **tests** of slash pine [Pinus elliottii]. 025264

PROGESTERONE
Oestradiol-17beta, *progesterone* and **17alpha-hydroxyprogesterone** concentrations in jugular venous plasma in cows prior to and during oestrus. 024134
Synchronization of Oestrus in cows using intravaginal silastic coils **containing** *progesterone.* 023999
Ovulation control in cattle with *progesterone* **intravaginal** device (PRID) and gonadotropin releasing hormone (GnRH). 023994
Effects of intra-uterine injection of PGF2a [prostaglandin F2alpha] on *progesterone* **levels** in peripheral blood plasma of the cow [Cattle]. 024138
Experiences in Great Britain on pregnancy diagnosis of cattle with help of determining **milk** *progesterone.* 024233
Luteinizing hormone, *progesterone* and the **morphological** development of normal and superovulated corpora lutea in sheep. 024056
Contribution to the treatment of ovarian cysts in cattle with chorionogonadotropin suspended in **oily** *progesterone.* 024228
Increased secretion of *progesterone* from the **ovary** of the ewe during the preovulatory period. 024122
Evolution of **plasma** *progesterone* at the end of pregnancy, of ewe bearing a hypophysectomised fetus. Effect of dexamethasone administration. 024051
Influence of environmental heat on peripheral **plasma** *progesterone* and cortisol during the bovine estrous cycle. 024100
The time of ovulation in heifers after *progestin* **(SC** 9880; SC 21009) treatment. 024004
Alterations of **serum** *progesterone* level in pregnant and nonpregnant mares. 023565
Effects of oestradiol and *progesterone* on the in **vitro** production of prostaglandin F2alpha by the guinea-pig uterus. 024044

PROGRAMMING
Optimization of water use efficiency under high frequency irrigation. II. System simulation and **dynamic** *programming.* 030738
Preformed mRNA and the *programming* of **early** embryo development [Includes animals and plants]. 023198
Programming for **efficient** [farm] planning against non-normal risk. 021248
A **linear** *programming* livestock-feed grains model. 023018
Programming **LOIS** [light operated interval switch] for multiple mist signals [Irrigation equipment]. 030021
Application of *programming* **models** to specialised bulb-growing farms [Costs and returns, Netherlands]. 021355
Planned *programming:* application of method for planning an agricultural undertaking located in the settlement of Luinga, municipality of Ambaca, district of North Cuanza (Angola). 021326
A **quadratic** *programming* model of the Canadian dairy industry. 023102
Estimating crop acreages in the prairie provinces. Application of **recursive** *programming.* 021171

PROGRAMS
Current status of mosquito **abatement** *programs* in Utah. 029062
Organization of the **ABC** *program* as a fully integrated [swine] crossbreeding program. 024237
Production **adjustment** *programs* [Agriculture and Consumer Protection Act of 1973]. 021693
1975 **annual** *program* of the Hokkaido Forest Products Research Institute. 025420
Organization of the Baden-Wurttemberg [swine] hybrid **breeding** *program* in cooperation with production and marketing arrangements. 024238
Organization of the [West German] Federal [swine] hybrid **breeding** *program* as a cooperative program of breeding organization and producer groups. 024239
Bases to carry out the **breeding** *program* [Apis mellifera]. 029784
Fruit culture in the European Economic **Community** *[Programs].* 021729
VIEWIT: computation of seen areas, slope, and aspect for land-use planning **[Computer** *programs].* 021194
A user's guide to the Econometric Analysis System (EAS) [Economics, statistical methods, **computer** *programs].* 021673
User's manual for the National Agricultural Policy Simulator (POLYSIM) **[Computer** *programs].* 021791
Computer *programs* for sediment transport documentation and listing. 030942
A heritage inverted: our flora endangered **[Conservation** *program].* 025567
Automatic and *program* **control** of the process of [wood] hydrolisis. 025297
Pheromones and related chemicals in some USDA insect **control** *programs.* 028649
Effectiveness of a leafminer [Liriomyza sativae] **control** *program* for Florida tomato production. 028866
Approaches to assessing insecticide efficacy in spruce budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae) **control** *programs.* 028923
Problems and principles of optimizing water quality **control** *programs.* 030772
Organization of the [West German] Federal [swine] hybrid breeding program as a **cooperative** *program* of breeding organization and producer groups. 024239
Organization of the ABC program as a fully integrated [swine] **crossbreeding** *program.* 024237
Organization of the German swine commercial **crossing** *program.* 024236
Development *program* boosts farm output in south Italy. 021723
Applying Federal rural **development** *programs* to Great Plains conditions. 021731
Company officials and community leaders [Rural **development** *programs].* 021744
Integrating the Jewish dietary laws into a **dietetics** *program.* 022290
Program of **elimination** of Aujeszky's disease from swine herds in Czechoslovakia. 024761
Wheat in the rural **extension** *program* of Angola [Culture]. 027490
The potato in the rural **extension** *program* of Angola [Culture]. 027823
The American Tree **Farm** *program.* 025099
Program for **feeding** high performing cows. 023799
Salvation Army provides a center for **food** *programs.* 021720
A **FORTRAN** *program,* 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result [Thresholds for odor and taste]. 022066
Government *programs* for the farming economy in the Great Plains. 021734
Program **ideas** [4-H]. 021085
Basic concepts of biological control in an **integrated** *program* of mosquito abatement. 029059
Who uses farm **investment** *programs?* 021420
How two **lunch** *programs* save money [in Oklahoma and New Jersey]. 021719
Problems in the management of the National School **Lunch** *Program* in Washington school districts. 022062
A cottonwood [Populus] **management** *program* for Kansas. 025190
Use and field application of pheromones in orchard [insect] pest **management** *programs.* 028856
What audit means to a *program* **manager,** Food and Nutrition Service. 022200
Planning of machine requirement and machine use by means of **network** *program.* 030100
Nutrition *program* for the elerly; two Texas projects offer meals, companionship, and recreation. 022350
The organization of [land use] **planning** *programs* in Washington. 021186
Planning *program* audits. 021318

User's manual for update; an auxiliary [computer] *program* for **POLYSIM** [National Agricultural Policy Simulator]. 021792
How the rural community fire **protection** *program* can help you. 029936
The flowering biology of Norway spruce [Picea abies]—an obstacle to a **rational** *program* for tree breeding? 027340
Program for **rationalization** of further development of crop production in the Mlada Boleslav district [Estimates]. 021334
Preparation of a *program* of **rationalization** of cereal production in the Rakovnik district. 021810
National policy and *programs* to **redistribute** population and industry. 021750
Peru's agricultural **reform** *program* picks up headway. 021725
The Fort Reno beef **research** *program* [Fattening cattle]. 023909
Information trips to the institutes in Freiburg, Hohenheim, Oberursel and Kirchhain [Apiculture, **research** *programs]*. 029849
A financial **return** *program* for forestry investments including sensitivity of results to data errors. 025073
Problem: how to update a **sanitation** *program;* Solution: a home study course. 022337
What the Forest **Service** does *[Programs]*. 025093
FAO conference report: New trends take **shape** *[Programs]*. 021724
Preparing a **slide-tape** *program* = a step-by-step approach, part 1. 022282
The establishment by the Utah Mosquito Abatement Association of an encephalitis **surveillance** *program*. 029067
Technical *program* of the Interprofessional Technical Center of Metropolitan Oil Crops. Studies and tests carried out during the 1974-1975 season. 027375
A *program* for **total** parenteral nutrition at home. 021996
Person to person; unique **training** *program* helps lunchroom aides deal with individual problems. 022262
Economic issues in *programs* of **transferable** development rights. 021196
Attachment learning: a humanistic educational experience final practicum in a coordinated **undergraduate** *program*. 022289
Elizabeth Friar: Energetic lady directs volunteer services; Michigan **volunteer** *program* encourages communities to find ways to help the needy through food stamps. 021718

PROJECTION
Evidence for **direct** *projections* between the ponto-mesencephalic tegmentum and the visual cortex in the cat as revealed by the horseradish peroxidase technique. 023350
Evidence for **direct** *projections* from the hypothalamus to the lateral geniculate and occipital cortex of the cat as demonstrated by horseradish peroxidase technique. 023409
Fertilization of double cropping and no-till systems: a review and a *projection* **[Maize].** 030461
1980 *projections* of **populations** by age and town for Connecticut. 021084
Physical potentials, *projections,* and **problems** in natural resource development: a panel. 030900
Cost of storing and handling cotton at public storage facilities, 1972-73, with *projections* for 1974-75. 022759
The **retina-lamina** *projection* in the visual system of the bee, Apis mellifera. 029779
The **segmental** *projection* of the cervix uteri of the cow on the skin. 023674
A comparative study of the **surface** *projections* of different strains of vesicular stomatitis virus. 024600

PROLACTIN
Changes in milk composition during lactation in the guinea-pig, and the **effect** of *prolactin*. 023513
Comparative study of the occurrence of **placental** *prolactin* among mammals [Laboratory animals, sheep, swine]. 023414
Milk secretory response of the conscious lactating rat following intravenous injections of **rat** *prolactin*. 023510
Effect of *prolactin* on **thyroid** function in Japanese quail (Coturnix coturnix japonica). 023415

PROLIFERATION
Apple *proliferation* [virus] disease in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. 028170
New evidences of the high sensitivity of Malus dawsoniana to **apple** *proliferation* [virus] disease and of its value for testing apple trees. 028187
The effect of benomyl on the symptoms of **apple** *proliferation* [Virus disease]. 028202
The influence of oxytetracycline on the appearance of **apple** *proliferation* symptoms [Virus diseases]. 028203
Distribution of mitoses and 3H [hydrogen]-thymidine incorporation in *proliferating* **eye** discs of Ephestia kuehniella Zeller. 029506
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of antigen-induced **lymphocyte** *proliferation* by anti-receptor alloantisera. 024514
Prolonged observations on spread and behaviour of *proliferation* **[virus]** disease in apple orchards. 028192

PROMETRYNE
The effect of *prometryne* on **biological** activity of the soil. 028596
Effect of soil placement and shoot uptake of *prometryne* and **terbutryne** on peas. 028600

PROPAGANDA
Propaganda for **eastern** Swiss wine, more current than ever! [Marketing]. 021636

PROPAGATION
Some problems of *propagating* the **Anaseuli-1** tea clone by cuttings. 027862
Studies on *propagation* and **cytopathogenicity** of fowl pox virus (Beaudette strain) on chicken embryo fibroblasts. 024568
Propagation of **Dioscorea** floribunda from in vitro culture of single-node stem segments [Culture]. 027730
The production, *propagation* and **distribution** of virus-free clones of Narcissus tazetta cv. "Grand Soleil d'Or" [Varieties]. 028204
The influence of IBA (b-indolyl-butyric acid) on the *propagation* of **kola** (Cola nitida (Vent) Schott & Endl.) by leaf-bud cuttings. 026321
Genes controlling chromosome activity: the role of genes blocking Y-lampbrush **loop** *propagation* [Drosophila hydei]. 029298
Mist *propagation* [of plant cuttings, greenhouse construction]. 030111
The influence of the time of *propagation,* **pinching** and shortday treatment on the growth and development of Euphorbia pulcherrima. 027641
Propagation of **Scots** pine [Pinus sylvestris] by cuttings [with an extract from Populus tremula and Populus tremuloides]. 025238
Observations on **vegetative** *propagation* of avocados (Persea americana) at Thika. 027618
Vegetative *propagation* of papaya by budding. 027652
Vegetative *propagation* of daffodils [Narcissus] by double-scaling. 027653
Vegetative *propagation* of tropical tree crops with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
The creation of mother plantations and nurseries for the production of **vegetatively** *propagated* tea transplants. 027863

PROPANE
Dousing weeds [of maize with *propane* for **burning**]. 028510

PROPAZINE
The kinetics of dissolution of atrazine, *propazine* and **simazine** in water. 028605

PROPHYLACTIC
Dust vaccination, an alternative method in Newcastle **disease** *prophylaxis*. 024795
Aminosidine used as a *prophylactic* in **enteritis** of rabbits. 024711
Experiences with **immune** *prophylaxis* of coli infections of calves. 024726
Prophylaxis of **storage** rot [Sugarbeets]. 028115
Swine physiopathology: *Prophylaxis* and **treatment** of piglet diseases. 024708
Swine physiopathology: *Prophylaxis* and **treatment** of [infectious] piglet diseases. 2. [Vaccination]. 024710

PROPIONATE
Japanese beetles [Popillia japonica] attractancy of mixtures of lures containing **phenethyl** *propionate* and eugenol. 028664
Effects of **testosterone** *propionate* on the social behaviour of groups of male domestic ducklings Anas platyrhynchos L. 023235

PROPIONIC
Factors influencing the growth of fungi in high-moisture corn treated with *propionic* **acid.** 027987

PROPULSION
Questions of operation of alfalfa harvesting carried out by **high-power** *self-propelled* forage harvesters. 030101

PROPYL
Carbonyl-propylene **glycol** interactions in [cherry] flavor systems. 022497
Synthesis of *trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene* **(Propylur),** sex attractant of the cotton moth [Pectinophora gossypiella, control]. 028795
The use of **synthetic** *(plus/minus)-S-1-propyl-L-cysteine* sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of onion (Allium cepa L.). 022953

PROSO
The application of mineral fertilizers to *proso* in the **Ukrainian** steppes. 030564
New promising **varieties** of *proso*. 027510

PROSOPIS
Bionomics of Sibinia sulcatula (Coleoptera: Curculionidae) on mesquite *[Prosopis* **glandulosa]** in Texas. 028793
The mesquite, a forage tree, a wealth which should be utilized better *[Prosopis* **juliflora,** also a source of wood and gum, Colombia]. 027860

PROSPECTS *see* FORECAST

PROSTAGLANDINS
Cationic dependency of high **affinity** *prostaglandin* F2alpha receptors in bovine corpus luteum cell membranes. 024037
Synchronization of oestrus in heifers and cyclic cows with progestagens and *prostaglandins* **analogues** alone or in combination. 024000
The use of *prostaglandins* in **cattle** [breeding]. 024010
Synchronization of oestrus and ovulation in the mare with a two PG-HCG *[prostaglandin-human* **chorionic** gonadotropin] sequences treatment. 024001
Some potential uses of *prostaglandins* in **domestic** animals [for controlling estrus in cows, mares and ewes]. 024043
Impermeability of rabbit **erythrocytes** to *prostaglandins*. 023217
Comparison of intra-uterine metabolism of *prostaglandin* **F2alpha** in ovine and human pregnancy. 023514
The fertility of deep-frozen ram semen supplemented with PGF2alpha *[Prostaglandin* **F2alpha].** 023970
Control of ovulation, fertility and endocrine response after *prostaglandin* **F2alpha** in cattle. 023980
Control of the oestrous cycle in Friesian heifers with ICI 80,996, a synthetic prostaglandin analogue, structurally related to PGF2alpha *[prostaglandin* **F2alpha].** 023981
Luteolysis induced by *prostaglandin* **F2alpha** compared with natural luteolysis in the ewe. An ultrastructural study. 023991
Prostaglandin **F2alpha** and luteal regression in the ewe: comparison with 16 aryloxyprostaglandin (I. C. I. 80, 996). 023995
The use of *prostaglandin* **F2alpha** given by either intrauterine infusion or by intramuscular injection for the control ofoestrus and ovulation in cattle. 024011
Effects of oestradiol and progesterone on the in vitro production of *prostaglandin* **F2alpha** by the guinea-pig uterus. 024044
Control of estrus in lactating beef cows with *prostaglandin* **F-2alpha** and estradiol benzoate. 024089
Luteal function in gilts after *prostaglandin* **F-2alpha.** 024092
Release of *prostaglandin* **F-2alpha** during foaling in mares. 024126
Effects of intra-uterine injection of PGF2a *[prostaglandin* **F2alpha]** on progesterone levels in peripheral blood plasma of the cow [Cattle]. 024138
AI beef management with *prostaglandin* **F2alpha** controlled estrus [Cattle]. 024192
Estrus and ovulation with *prostaglandin* **F2alpha,** norgestamet and gonadotrophin releasing hormone [Cattle]. 024197
The effect of *prostaglandin* **F2alpha** and oxytocin on porcinemyometrium in vitro. 024275
Estrus control in gilts with norethandrolone injections and an analogue of *prostaglandins* **(ICI** 80996). 023983
The use of synthetic analogues of *prostaglandins* for **inducing** luteolysis in mares. 024012
Release of *prostaglandins* in the **knee** joint of the dog during local Shwartzman-like reaction. 023329
Characteristics of *prostaglandins* **[Livestock].** 023979
Effect of *prostaglandin-E2* on **myoelectrical** and mechanical activity of totally isolated, ex-vivo-perfused, canine stomach. 023614
Effect of *prostaglandin* **PGE** on blood and tissue lipids in rabbit experimental atherosclerosis. 023605
Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH [luteinizing hormone] or *prostaglandin* E2 **[Rats].** 024135
Prostaglandin **release** from cat and dog spleen. 023328
Release of *prostaglandin-like* **substances** by Shigella endotoxin and its inhibition by non-steroidal anti-inflammatory compounds [Rabbits]. 024472
Prostaglandins and **superovulation** in the bovine. 023996
Prostaglandin **synthesis** in rabbit renal medulla. 023583
Control of the oestrous cycle in Friesian heifers with ICI 80,996, a **synthetic** *prostaglandin* analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
Effect of *prostaglandins* on **uterine** contractions in the estrous ewe [Sheep]. 024224
The influence of *prostaglandins* on the in **vitro** motility of the oviduct of the laying hen. 024256

PROTEACEAE
Macadamia **nut** selection programme in Kenya. 027616
Thixcin-thickened sprays of cue-lure + naled: investigation of rates of application for use in male annihilation of melon fly [Tested in a *macadamia* **orchard].** 028873
Grevillea **willsii** *(Proteaceae)* a new Victorian species. 025754

PROTEASES
Investigations on changes in soluble protein content and activity of *proteases* and **acid** phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Studies of a climosequence of soils in tussock grasslands. 3. Nitrogen mineralisation and *protease* **activity.** 030267
Studies on the properties and mode of action of a *protease-inhibitor* **produced** during development of Agrostemma githago embryos. 026412
Proteases of the **seeds** of the cotton plant. II. Separation and purification. 026939

Catalysis by **serine** *proteases* and their zymogens. A study of acyl intermediates by circular dichroism [Aspergillus oryzae, fungi]. 026401
Isolation, purification and characterization of a **trypsin-like** *protease* from the root-knot nematode, Meloidogyne incognita. 028404

PROTECTANTS

Pirimiphos-methyl as a *protectant* [from **insect** pests] for stored inshell almonds [Control effectiveness and residues]. 028982
Compatibility of Rhizobium japonicum with chemical **seed** *protectants* [Fungicides, soybeans, nodulation]. 026888
Bioassay of nuclear polyhedrosis virus against larval stages of Spodoptera litura (Fabricius) and the effect of *protectants* against **ultraviolet** light. 028674

PROTECTION

Ethidium bromide mutagenesis in yeast [Saccharomyces cerevisiae]: *protection* by **anaerobiosis**. 026221
Solution of **anticorrosive** *protection* of inner walls of fecal tanks. 029896
Current problems of **cereal** *protection* and the use of fungicide. 028448
The efficiency of **chemical** *protection* of tobacco from tomato spotted wilt. 028278
Chemical *protection* of plants and preservation of human health. 029185
Complex *protection* of sugarbeets [against diseases and pests]. 028461
Production adjustment programs [Agriculture and **Consumer** *Protection* Act of 1973]. 021693
Monomers in packaging materials [**Consumer** *protection].* 021941
Hail formation and control [**Crop** *protection].* 028432
Hail formation and control [**Crop** *protection].* 028433
Control for **crop** *protection* [Pesticides, application, Armenia]. 029186
Effectiveness of *soil-protective* **crop** rotations for erosion control in the forest-steppe zone of the Ukrainian SSR. 030600
Unilateral **cross** *protection* among some NEPO viruses [Tobacco, Petunia hybrida]. 028206
Variability of tobacco mosaic virus in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and **cross** *protection.* 028272
Protection of **cucumbers** in greenhouse conditions [Disease and pest control. 028478
Nature reserves as forms of *protection* were **discussed** by the Council of Mutual Economic Aid at a session in Poland. 030832
Protective **effects** of ascorbic acid against toxicity of heavy metals. 022041
Coating and impregnating with **endrin** *protects* field-sown Douglas fir [Pseudotsuga menziesii] seed. 028952
Is the semi-liquid manure cultivator forcing us to *protect* the **environment.** 030030
Agricultural and industrial production methods with regard to energy supply and **environmental** *protection.* 030807
Embryological aspects of environmental toxicology: relation between **environmental** *protection* and the successful conservation of species in the view of experimental embryology. 030878
How the rural community **fire** *protection* program can help you. 029936
Lack of **foliar** *protection* from early blight [Alternaria solani] by aircraft-applied fungicides on sprinkler-irrigated potatoes. 028070
Protective **forest** shelterbelts of hybrid poplars in Bashkiria. 025043
Timely problems of **forest** *protection* from pests and diseases [in Poland]. 025050
Forest *protection* in the Russian SFSR. 025072
Protection **forests** of the Wairau catchment. 025055
Protected fruit growing. 2. Hail and **hail** *protection* [Bibliographies]. 028321
Functionality of plastic nets [Fruit harvesting, **hail** *protection].* 029973
Deeper collaboration in veterinary medicine among the Mutual Economic Assistance countries participating in increasing animal production and *protection* of **human** health. 024383
Silviculture and *environment-protection* in **Hungary.** 025185
Stimulation of *protective* **immunity** to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens [Mice]. 024479
The system of **integrated** *protection* [of cotton from pests]-how should it be organized. 028765
Experience and tasks in the **integrated** *protection* of cabbage [Insect pests]. 028906
A new project for the *protection* of the **Kajasowka** horst in the Cracow Upland. 030824
Crucial problems of the *protection* of **lakes** against contamination. 030826
Legal *protection* of waters from pollution. 030982
Protection and **management** of rural parks in Poland. 025551
Effectiveness of [plant] *protection* **measures** and the role of prognoses and localization. 028464
The importance of afforestations and greens in the *protection* of the **natural** environment. 025020
On the agenda—the *protection* of the **natural** environment [from pollution]. 030935
The Bavarian constitutional court of law on the equestrian problem [**Nature** *protection].* 021728
About the [**nature** *protection]* plant species of Turkmenistanto be entered in the "Red book of USSR". 025554
National parks in the spatial system of *protection* of the **nature** of the Tatry, Pieniny and Babia Gora mountains [Poland, Czechoslovakia]. 030829
Nature *protection* in Norway at the present time. 030830
Protection of **nature** and recreation. 030834
Protection of the **nature** of the Slovak slopes of the Babia Gora. 030835
Experiment in the *protection* of **oak** [Quercus] groves from the oak roller moth. 028965
Considering **plant** *protection* in farm management. 021263
Calculation of prime costs of labor in service of aircraft for **plant** *protection.* 021454
Plant *protection* is a must to harvest bumper crop of cotton. 028353
Forerunners of pesticides in classical Greece and Rome [**Plant** *protection].* 028377
Integrated **plant** *protection* in fruit culture. 028412
Current problems in the center of attention [**Plant** *protection].* 028462
Fergana Region [**Plant** *protection].* 028467
High level of farming as a basis for **plant** *protection.* 028471
Organization of technological processes of **plant** *protection* on collective and state farms. 028473
Plant *protection* and industry [Ground squirrels as cereal pests, control]. 028475
Urgent work for the closing year [**Plant** *protection,* Crimea]. 028482
General precautionary measures in handling **plant** *protection* substances; guidelines of the Federal Health Office and the Federal Biological Institute. 029144
Plant *protection* substances and residues [Pesticides, agricultural products]. 029154
The latest **plant** *protection* equipment on the international show at Moscow. 030106
Better quality and preservation by better *protection* of **plants** [Apples]. 027739
Possibilities of *protecting* **potatoes** against warts [Synchytrium endobioticum]. 028101
Effect of cyclophosphamide on rabies infection in mice. *Protection* given by **serotherapy.** 024494
Antitoxic immunity in experimental cholera: *protection,* and **serum** and local antibody responses in rabbits after enteral and parenteral immunization. 024569
Protecting **shade** trees during home construction [Injuries]. 028369
Protection with some **strains** of sarka [plum pox] virus. 028193
Measurement of the efficacy of coli-adsorbate vaccines. *Protection* **studies** in mice. 024800
Protection of **timber** in aquatic environments. 025425
Possibility of *protecting* **true-rooted** grapes from Phylloxera. 028912
Effective methods of *protecting* **vegetable** crops [in Poland]. 028393
Method of determining the effectiveness of measures for *protecting* **water** supply. 030769
Control of the water regime as a prospective method of *protecting* **waters** from depletion and pollution. 030981
Protection of **waters** in Volga basin from pollution. 030984
In vitro and mouse evaluation of methods for *protecting* **whey** protein and casein from ruminal degradation. 023508
Experiment in *protecting* **winter** wheat from diseases. 028465
Policy followed in the matter of **wter** *protection,* quality control, present regulation. 030648
Protect **young** dogs from Distemper. 024522
Protection against **zinc** deficienc by prior excess dietary zinc in young Japanese quail. 022142

PROTEINS

Synthesis of brain-specific **acidic** *proteins* in rat and mouse cerebral slices. 023190
Protein digestibility and lysine availability in alfalfa meal and **alfalfa** *protein* concentrate [Japanese quail, rats]. 023802
Alternate *protein* source comparisons. 022176
Protein and **amino** acid evaluation of commercially grown opaque-2 corn [Swine feeding]. 023765
Swine feeding: recent trends in nutrition with *proteins* and **amino** acids. 023913
Studies on protein in royal jelly [of Apis mellifera]. I. Solvent fractionation of *protein* and **amino** acid composition of each fraction. 029775
Protein, and **amino-acid** requirements of poultry, pigs and ruminants. 023850
The possible presence of **animal** *proteins* in food paste [Analysis]. 022376
Alternative sources of *protein* [**Animal** feed]. 023062
Waste cellulose as an energy source for **animal** *protein* production [Feed]. 023080
Isolation and properties of an **arginine-binding** *protein* from Saccharomyces cerevisiae [Yeasts]. 026552
Reaction of oxidized lipids with protein. 10. Effect of *protein* on the **autoxidation** of phospholipids [Food chemistry]. 022523
Synthesis and amino acid composition of **basic** *proteins* in mammalian sperm nuclei. 024064
The utilization by preruminant lambs of milk replacers containing isolated soya **bean** *protein.* 023699
The utilization by preruminant lambs of isolated soya **bean** *protein* in low protein milk replacers. 023700
Isolation and purification of cytokinin **binding** *protein* from tobacco leaves by affinity column chromatography. 026903
Effect of glucose and Fructose in the protein-repletion diet fed after *protein-depletion* on some **blood** constituents of rats. 021993
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of intestinal cell calcium uptake and **calcium-bindng** *protein* [Rats]. 022205
Pallidin. Purification and characterization of a **carbohydrate-binding** *protein* from POlysphondylium pallidum implicated in intercellular adhesion [Fungi]. 026410
Influence of **carbohydrate-free** *protein-rich* diet on free alpha-amino nitrogen changes in plasma, erythrocytes and leucocytes [Rats]. 022172
Fat metabolism in higher plants. The determination of acylacyl **carrier** *protein* and acyl coenzyme A in a complex lipid mixture [Potatoes]. 027114
Method to increase **cassava** *protein* for broilers. 023840
A study of the action of the **cationic** *proteins* from rabbit polymorphonuclear leucocytes on the staphylococcal cell membrane [Staphylococcus aureus]. 023316
Processing of SCP [single **cell** *protein]* for human food. 022477
Bacterial production of *protein* from **cellulose.** I. Effect of composition of mineral nutrient medium on the bacterial utilization of cellulose [Food research]. 022371
Bacterial production of *protein* from **cellulose.** II. Effect of individual trace elements on cellulose fermentation [Food research]. 022372
Microanalysis in routine work. II. Evaluation of **[cereal]** *proteins.* 022815
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and *proteins* of **chloroplasts** and membranes. 026933
Regulation of in vitro mRNA transcription by a fraction of **chromosmal** *proteins* [Chickens]. 023488
Chromosomal *proteins* of Phycomyces blakesleeanus [Fungi]. 026558
The effect of **chronic** *protein* malnutrition on trans-callosal evoked responses in the rat. 022073
The determination of five steroids in avian plasma by radioimmunoassay and **competitive** *protein-binding.* 023655
A *chlorophyll-protein* **complex** lacking in photosystem I mutants of Chlamydomonas reinhardtii [Algae]. 026632
The maize rough dwarf virion. I. *Protein* **composition** and distribution of RNA in different viral fractions. 028284
Effect of *protein* **concentration** in the diet on blood composition and productivity of lactating Holstein cows under thermal stress. 023750
The replacement of some of the soybean meal by the first-limiting amino acids in practical broiler diets. 3. Effects of *protein* **concentrations** and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on *proteins* **constituting** morphological structures [Wool, mohair, dog hair]. 022767
Malnutrition studies in Macaca mulatta. IV. Energy and *protein* **consumption** during growth failure and "catch-up" growth. 022005
Effects of nitrogen on the *protein* **content** of barley. 022746
Protein **content** and amino acid composition in groats and hulls of developing oats (Avena sativa). 022786
Relationship between orange G dye-binding capacity and total N [nitrogen] content of six grass species *[Protein* **content].** 023021
Protein **content** of milk, an important characteristic in [cattle] breeding. 024269
Genetic aspects of *protein* **content** and protein fractions in milk. II. Protein fractions [Cattle]. 024282
The genic basis for differences in sedimentation value and *protein* **content** between two cultivars of Triticum aestivum [Wheat]. 026126
Variability of *protein* **content** in spring vetch and peas for forage. 027046
Ascorbate oxidase and related **copper** *proteins.* 022017
On the complex formation of *proteins* with **copper** ions under acidic conditions [Soy protein]. 022849
Interaction of gossypol with **cottonseed** *protein:* potentiometric studies. 022791
Comparative studies of cortisol complexes formed with **cytosol** *proteins* from embryonic chicken (Gallus domesticus) and adult rat (Rattus rattus) liver. 023447
Effects of severe energy and *protein* **deficiencies** on the fibres and nuclei in skeletal muscle of pigs. 024828
Effect of sucrose on recovery of serum albumin concentrations of *proteins* **deficient** rats to normal. 022180
Protein **degradation** studies in lucerne juice [stored at different temperatures]. 022109
A method for the identification and quantitative investigation of **denatured** *proteins* in mixtures based on computer comparison of amino-acid patterns. 022550
Effect of glucose and Fructose in the *protein-repletion* **diet** fed after protein-depletion on some blood constituents of rats. 021993
Effect of different **dietary** *protein* intake on urinary creatinine excretion in adults. 022107
Effects of quantity and quality of **dietary** *protein* and variation in certain enzyme activities on glucose metabolism in the rat. 022137
Protein **digestibility** and lysine availability in alfalfa meal and alfalfa protein concentrate [Japanese quail, rats]. 023802
Electrophoretical differentiation and classification of *proteins.* VI. **Disc-electrophoresis** and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, sugar-maize and onions. 023003
Reconstitution of potato virus X in vitro. I. Properties of the **dissociated** *protein* structural subunits. 028282
Utilization of **edible** *protein* from meat industry by-products and waste. V. The characterization of extracted proteins, using polyacrylamide gel electrophoresis. 022505
Reaction of oxidized lipids with *protein.* 10. **Effect** of protein on the autoxidation of phospholipids [Food chemistry]. 022523

Effect of germination and cooking on the *protein* **efficiency** ratio of some legumes. 022179
Antigenic determinants of bovine myelin **encephalitogenic** *protein* recognized by rabbit antibody to myelin encephalitogenic protein. 024588
The performance of male ducklings given starter diets with different concentrations of **energy** and *protein*. 023714
Effects of various **energy** *protein* ratios in rations on growth and feed conversion of broilers. 023837
Nutrient utilization, body composition and meat quality as affected by **energy** *protein* ratio [Chicks]. 023841
Protein and **energy** utilization by the insect, Argyrotaenia velutinana (Walker), fed diets containing graded levels of an amino acid mixture. 029313
Myofibrillar protein turnover and urinary Ntau-methylhistidine output. Response to dietary supply of *protein* and **energy**[**Rats**]. 023704
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of *proteins* and **enzymes** from tomatoes, cucumber, sugar-maize and onions. 023003
Protein **evaluation** of triticale varieties [as feed] for weanling pigs. 023898
Synthesis of beta-glucanase and other **extracellular** *proteins* by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382
Utilization of edible protein from meat industry by-products and waste. V. The characterization of **extracted** *proteins*, using polyacrylamide gel electrophoresis. 022505
Nutritional qualities of some African edible leafy vegetables. Effect of boiling on the essential amino acid composition of their **extracted** *protein*. 022933
Relationship between carbohydrate-, **fat-and** *protein* metabolism [Livestock feeding]. 023797
Production of OTI-2,3 preparation on the basis of industrial hydrolizates of cotton hulls *[Protein* **feed** additives]. 023033
A modified method for the estimation of bound formaldehyde in treated **feed** *proteins*. 023045
Preliminary observations on the influence of different **feed** *protein* levels on the blood profile of dairy cows. 023687
On **fenugreek** *protein* (Trigonella foenum graecum [Human nutrition]. 022167
Effect of concentration of potassium in the medium on the content of *protein* in **fodder** yeast [grown on wood hydrolyzates]. 023030
Some observations on the possible nutritional significance of vitamin B12-and **folate-binding** *proteins* in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. 023705
Energy and land constraints in **food** *protein* production. 022254
Immunochemical methods in the study of ontogenic evolution of *proteins:* **fraction** I protein and malate dehydrogenase during ageing of wheat leaves. 027003
Genetic aspects of protein content and *protein* **fractions** in milk. II. Protein fractions [Cattle]. 024282
Better utilization of *protein* by **granulating** feed. 023053
Grape *proteins*, their properties and wine stability. 022991
Electrophoretic determination of *proteins* in **grapes** and wine. 022990
Gross *protein* value of dehydrated poultry manure and various supplements determined by broiler chicks. 023838
Studies on **groundnut** *proteins*. IV. Effect of storage or proteolysis on the gel electrophoresis pattern of arachin. 022776
Alternate sources of *protein* for **Heliothis** zea wheat germ diet. 028706
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some **hemolymph** *proteins* in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373
Effects of low and **high** *protein* diets on the induction of microsomal drug-metabolizing enzymes in rat liver. 022136
Induced research on the problem of *proteins* for **human** and animal nutrition in France. 023803
E.P.R. [Electron paramagnetic resonance] spectra of **iron-sulphur** *proteins* in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Preparation of *protein* **isolated** from extracted sunflower grits. 022758
Synthesis and regeneration of *proteins* in **isolated** roots of Pinus sylvestris and Picea excelsa in a sterile culture. 027322
Properties of *protein* **isolates** prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Plant **juice** *protein:* the promise, the problems [Alfalfa, processing, equipment]. 022736
Determination of the fat, *protein* and **lactose** content of 10day preserved milk samples by means of the infrared milk analyzer (IRMA). 022636
Supplementary value of **leaf** *protein* and groundnut meal in the diet of preschool children. 022112
Towards a **leaf** *protein* concentrate industry in New Zealand (a memorial to Dr Russell M. Allison). 022519
Dairy beef production as influenced by sex, *protein* **level** and diethylstilbestrol. 023758
Effects of spray-drying and freezing on the *proteins* of **liquid** whole egg. 022728
Effect of dietary amino acid imbalance on rat **liver** *protein* and DNA. 022202
Soviets promote yeast for **livestock** *protein* [Feed supplements]. 023028
Production of *protein* from **low** protein in feedstuffs and urea. 023061
The utilization by preruminant lambs of isolated soya bean protein in **low** *protein* milk replacers. 023700
The effect of feeding high levels of **low-quality** *proteins* to growing chickens. 023706
Palm kernel meal as the **major** *protein* concentrate in the diets of pigs in the tropics. 023778
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I *protein* and **malate** dehydrogenase during ageing of wheat leaves. 027003
Day-to-day variation of the protein percentage and sample size determination for estimating the **mean** *protein* content of milk. 022635
Transfer of *proteins* across **membranes.** II. Reconstitution of functional rough microsomes from heterologous components [Dog pancreas]. 023500
The composition and *protein* **metabolism** in the immature rabbit intervertebral disc. 023364
Interaction of vinblastine with calf brain **microtubule** *protein*. 023482
Reversed osmosis and its application to the technology of foods of animal origin. I. The receiving of cheese **milk** *proteins* and their utilization in the making of Feta cheese. 022577
Production and use of **milk** *proteins*. 022583
Soy products in chocolate and cocoa: their use as a complement or partner of **milk** *protein*. 022765
Effect of the physiological state and cyclic 3'5' adenosine monophosphate on the intracellular transit and excretion of **milk** *proteins*. Autoradiographic study in the. 023532
An economic evaluation of different selection alternatives as means for improvement of **milk** *protein* yield [Dairy cattle, genetics]. 024152
Genetic variants of **milk** *proteins* in cows of Rendena breed. 024216
Relationships of *protein* and **mineral** intake to L-ascorbic acid metabolism, including considerations of some directly related hormones. 022042
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of **mitochondrial** *protein* synthesis by erythromycin and chloramphenicol. 026647
A trichromatic staining for the detection of **muscle** *protein*, connective tissue protein and mineralized bone particles. 022644
Myofibrillar *protein* turnover and urinary Ntau-methylhistidine output. Response to dietary supply of protein and energy[Rats]. 023704
The evaluation of **new** *protein* sources from the point of view of health [in human nutrition]. 022168
Okra seeds: a **new** *protein* source. 022918
In vitro radiolabeling procedure which labels the *proteins* of **Newcastle** disease virions with carbon-14 [Chick embryos]. 024575
Relationship between ruminal ammonia and *nonprotein* **nitrogen** utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen utilization by cattle. 023771
Relationship between ruminal ammonia and *nonprotein* **nitrogen** utilization by ruminants. II. Application of published evidence to the development of a theoretical model for predicting nonprotein nitrogen utilization. 023772
Non-protein **nitrogen** as an alternative nitrogen source [in ruminant rations]. 023849
Digestibility of grain sorghum stover and wheat straw supplemented with NPN *[non-protein* **nitrogen,** cattle]. 023857
Biological and zootechnical problems relating to nutritional requirements for conventional and **nonconventional** *proteins:* production, availability and consumption. 022013
The *protein,* **non-protein** and total nitrogen in Solanum tuberosum, ssp. andigena potatoes. 022878
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in *protein* and **nucleic** acids contents of the rat liver. 023558
Development of self-incompatibility in Petunia [hybrida] using inhibitors of *protein* and **nucleic** acid metabolism. 027168
A comparison of the *protein* **nutritive** value and composition of four cultivars of faba beans (Vicia faba L.) grown and harvested under controlled conditions. 022145
Trends in the processing of oil seeds and fruits. The simultaneous extraction of **oils** and *proteins*. 022525
Partial purification of **"omega"** *protein* from calf thymus. 023302
Fraction 1 *protein* and the **origin** of polyploid wheats. 026245
The relationship of plastic deformation in freeze-etching to the orientation of a *protein* **particle** [Tobacco]. 026029
Effect of food qualities on *protein* **pattern** of the haemolymph of a millipede Orthomorpha gracilis. 029331
The effect of cold treatment on *protein* **patterns** and enzymes in tulip bulbs. 027082
Complementary and supplementary value of **peanut** *protein* to rice when fed to weanling rats [Diet]. 022178
The *protein,* **peptide** and free amino acid composition in some species of Laurencia from Saurashtra coast [Algae]. 026808
Day-to-day variation of the *protein* **percentage** and sample size determination for estimating the mean protein content of milk. 022635
Proteins of the **periodontium:** Identification of collagens with the [alpha1(I)]2alpha 2 and [alpha(III)]3 structures in bovine periodontal ligament. 023484
Protein from **petroleum** [Yeasts as feed]. 023072
Changes in *proteins,* **phosphatase** and ribonuclease activity in barley (Hordeum sativum) seeds during germination. 026957
Synthesis and differentiation of **plasma** *proteins* in cultured embryonic chicken liver cells: a system for study of regulation of protein synthesis. 023624
Relationship between the binding constants of specific testosterone binding **plasma** *proteins* and peripheral plasma concentrations of testosterone and LH [luteinizing hormone]. 024052
The theory of the selective neutrality of *proteins* **polymorphisms** [Drosophila]. 029239
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. I. Development of a model for **predicting** *nonprotein* nitrogen utilization by cattle. 023771
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. II. Application of published evidence to the development of a theoretical model for **predicting** *nonprotein* nitrogen utilization. 023772
Fodder products for the *protein* **provision** of livestock. 023693
Fodder culture and *protein* **provision** of livestock. 027367
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of albino rats fed different **pulse** *proteins*. 022108
Improved methodology for rapid and reproducible acid hydrolysis of food and **purified** *proteins*. 022375
Chemical composition, *protein* **quality** and protein value of Opaque-2 and other varieties of maize at different stages of ripening. 022077
Effects of soybean oil meal as the whole source of *protein* on **rate** of gain and feed efficiency of growing and finishing pigs. 023836
Effects of **ration** *protein* level and diethylstilbestrol implants on early-weaned beef bulls. 023763
Evaluating the nutritive value of feeds for *sugar-protein* **ratios.** 023937
The effect of melamin and *potato-protein* as **reinforcing** material in the production of urea-treated plywood. 025419
Study of *proteins* of **resistant** wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. I. Soluble proteins. 026932
Study of *proteins* of **resistant** wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and proteins of chloroplasts and membranes. 026933
The localization of **retinol-binding** *protein* in rat liver by immunofluorescence microscopy. 023503
Demonstration of immunoreactive **retinol-binding** *protein* and prealbumin in developing chicken embryo. 023582
Changes in chloroplast **ribosomal** *proteins* in a streptomycinresistant mutant of Euglena gracilis [Algae]. 026797
Studies on *protein* in **royal** jelly [of Apis mellifera]. I. Solvent fractionation of protein and amino acid composition of each fraction. 029775
Homology in amino-terminal sequence of precursors to pancreatic **secretory** *proteins* [Dogs]. 023622
Physiological aspects of nitrate utilisation in a barley variety exhibiting high **seed** *protein* content. 026986
Progress report on **seed** *protein* trials 1974/75 [Forage crops]. 027473
Complexes of haemoglobin and *hem-protein* in **sera** of mammals. II. Immune electrophoretic researches [Swine, cattle]. 024463
Total proteins and the electrophoretic pattern of **serum** *protein* in normal Rajasthani sheep. 023434
Proteinuria in neonatal piglets after oral and intravenous administration of homologous colostrum and **serum** *proteins*. 023449
The influence of frozen storage on the electrophoresis of **serum** *protein* in domestic animals. 023667
Concentrations of **serum** *proteins* during aflatoxicosis [Chickens]. 024996
Nutritional evaluation of *protein* from **shrimp** cannery effluent (Shrimp Waste Protein). 023748
Single-cell *protein* production by photosynthetic bacteria [Rhodopseudomonas gelatinosa] cultivation in agricultural by-products. 022385
Determination of uric acid precursors in dried yeast and other forms of **single-cell** *protein*. 022507
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of *protein* **solubility** [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Soluble *protein* concentrate [food supplement] from alfalfa by low-temperature acid precipitation. 022775
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. I. **Soluble** *proteins*. 026932
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. **Soluble** *proteins* and proteins of chloroplasts and membranes. 026933
Investigations on changes in **soluble** *protein* content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
[Xanthan gum from Xanthomonas campestris] for strength and elasticity *[Protein* **sources**]. 021995
Extrusion of **soy** *protein* and texture measurement. 022847

On the complex formation of proteins with copper ions under acidic conditions [**Soy** *protein].* 022849
A new electrophoresis method and its application for revealing the heterogeneity of the chromatographically homogeneous fractions of **soybean** *proteins.* 022841
Cell-free synthesis of the major **storage** *protein* of the bean, Phaseolus vulgaris L. 027262
Heritable variation in a polypeptide subunit of the major **storage** *protein* of the bean, Phaseolus vulgaris L. 027272
Baker's yeast as a *protein* **supplement** in corn meal muffins. 022343
The effects of urea, cottonseed oil meal and sunflower oil meal, a *protein* **supplement,** on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Influence of [soy, fish, yeast] *protein* **supplements** on growth of Staphylococcus aureus and production of enterotoxins. 021926
Summer gain as influenced by winter treatment [Forage, *protein* **supplements,** cattle]. 023867
Relationship between hormone titres and RNA and *protein* **syntheses** when the change to the pupal programme occurs in the silkworm, Bombyx mori. 029839
Effects by heme, insulin, and serum albumin on heme and *protein* **synthesis** in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Synthesis and differentiation of plasma proteins in cultured embryonic chicken liver cells: a system for study of regulation of *protein* **synthesis.** 023624
Zinc deficiency and *protein* **synthesis** in the pig. 023646
Turnover of polyadenylated messenger RNA in fission yeast [Schizosaccharomyces pombe]. Evidence for the control of *protein* **synthesis** at the translational level. 026148
Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and *protein* **synthesis** [Fungi]. 026390
Cyclic AMP [adenosine monophosphate]-induced changes in *protein* **synthesis** in a cellular slime mold, Polysphondylium pallidum. 026689
A trichromatic staining for the detection of muscle protein, connective **tissue** *protein* and mineralized bone particles. 022644
Evidence of relationship between hydroxyproline and essential amino acid contents in animal **tissue** *proteins.* 023670
The analysis of bee moth larval **tissue** *proteins* by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
The protein, *non-protein* and **total** nitrogen in Solanum tuberosum, ssp. andigena potatoes. 022878
An automated **total** *protein* nitrogen method [Feeds]. 023043
Total *proteins* and the electrophoretic pattern of serum protein in normal Rajasthani sheep. 023434
The amino acid sequence of purothionin A, a lethal **toxic** *protein* for brewer's yeasts [Saccharomyces cerevisiae] from wheat [flour]. 026350
Evidence for ceruloplasmin as a copper **transport** *protein* [Rats]. 023271
Filament formation in vitro of a sieve **tube** *protein* from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. 027276
The measurement of *protein* **turnover** by density labelling [Lemna minor]. 026399
The antigen composition of *proteins* of **Ustilago** zeae (Beckm.) Ung. [Common smut of maize] strains that are distinct in nuclear ploidy and pathogenicity. 028025
Chemical composition, protein quality and *protein* **value** of Opaque-2 and other varieties of maize at different stages of ripening. 022077
Protein **value** of two imitation milks. 022128
Protein **value** of two imitation milks; chemical and biologic assays. 022129
The in vitro synthesis of **viral** *protein* and its regulation [Brome mosaic virus]. 028246
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of **virion** *proteins* as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Host-range mutant of fowl plague virus (FPV): comparison of the genome and **virus** *proteins.* 024765
Nutritional evaluation of protein from shrimp cannery effluent (Shrimp **Waste** *Protein).* 023748
Cold-disaggregation of the casein micelles in heated concentrated **whey** *protein-free* milk. 022558
The interaction of N-acetylglucosamine and an affinity-label analogue with alpha-lactalbumin [**whey** *protein* of milk] andlactose synthetase. 022563
In vitro and mouse evaluation of methods for protecting **whey** *protein* and casein from ruminal degradation. 023508
Formaldehyde treated **whey** *protein* concentrate for lactating dairy cattle. 023767
Skeletal muscle, liver and **wool** *protein* synthesis by sheep infected by the nematode trichostrongylus colubriformis. 024429
World *protein* situation with particular reference to the future for Australian meat exports. 021616
World *protein* supplies [Feed production]. 021620
The **world** *protein* situation [Food supply]. 021787
Protein **yields** from bones destined for processing [Cattle, sheep, swine]. 022702
Boar seminal **zinc-precipitable** *protein* and the haemagglutinin. 024115

PROTEOLYTIC

An enzyme with *proteolytic* **action** obtained from the fungus Flammulina velutipes (Fr.) Sing. 026672
Dynamics of *proteolytic* **activity** in cultures of higher fungi. 026673
Comparison of the rate of absorption and *proteolysis* of [14C] **[carbon** isotope]choleragen and [14C]bovine serum albumin in the rat jejunum. 024571
Studies on groundnut proteins. IV. Effect of storage or *proteolysis* on the **gel** electrophoresis pattern of arachin. 022776
Intermediates in the **limited** *proteolytic* conversion of procollagen to collagen [Chick embryos]. 023299
Structural studies on rabbit muscle glycogen synthase. II. **Limited** *proteolysis.* 023490
Limited *proteolysis* of yeast phosphofructokinase by subtilisin: Alterations in enzyme activity, subunit composition, and hydrodynamic properties. 026553
Proteolysis of **milk** and milk products by Pseudomonas fluorescens [Contamination]. 021947

PROTEUS

Inhibitory effect of alkylarylsulfones on the swarming of *Proteus* **bacteria** [Meat contamination]. 021842

PROTHORACIC *see* THORACIC

PROTONEMA

Relationship between formation of gametophore buds in the *protonema* of **mosses** and increase in ribonuclease activity. 026336

PROTONS

Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. A study by *proton* **magnetic** resonance [Yeasts]. 026411
Ultraviolet-visible and *proton* **magnetic** resonance spectroscopy of flavonoids. 026584
Proton **magnetic** resonance studies of peroxidases from turnip and horseradish. 027139

PROTONYMPH

Observations on the species Cosmogneta kargi Grandjean 1963: the *protonymph* and **tritonymph.** Supplements to the study of Gnathosoma. 029193

PROTOPLASTS

Ultrastructural characteristics of embryo cellular walls obtained from *protoplasts* of **Antirrhinum** majus. 026065
Conditions for induced fusion of **fungal** *protoplasts* in polyethylene glycol solutions [Penicillium chrysogenum]. 026376
Plant tissue culture methods in somatic hybridization by *protoplast* **fusion** and transformation. 026074
Isolation, culture and regeneration into plants of Ranunculus sceleratus L. **leaf** *protoplasts.* 026799
Effect of oxygen on photosynthesis by spinach **leaf** *protoplasts.* 027269
Penetration of plant viruses into isolated tobacco **leaf** *protoplasts.* 028241
Large-scale isolation of intact vacuoles and isolation of chloroplasts from *protoplasts* of **mature** plant tissues. 026067
Microfibril synthesis at the surfaces of isolated tobacco **mesophyll** *protoplasts,* a freeze-etch study. 026059
Isolation and culture of **mesophyll** *protoplasts* of Hyoscyamus niger L. var. annuus Sims. 026560
Photosynthesis in **mesophyll** *protoplasts* and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
The study on the fusion of **plant** *protoplasts.* 026524
Influence of hypoxia on *protoplast* **structure** in the plant cell [of onion and of Tradescantia bracteata]. 027095
Notes on disease resistance of tissue culture sub-clones and fusion of **sugarcane** *protoplasts* [for the improvement of varieties]. 026294
Synthesis of beta-glucanase and other extracellular proteins by cells and *protoplasts* of the **yeast** Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382

PROTOZOA

Relationship between bacteria and **ciliate** *protozoa* in the sheep rumen. 023426
Interstitial *protozoa* and algae of Louisiana salt marshes. 025910
Ultrastructure of Malameba locustae (K. & T.), a *protozoan* **parasite** of locusts. 029201

PROTURA

Corrections to S. L. Tuxen's **"Australian** *Protura"* (1967) [Berberentulus pseudonitidus]. 029605

PRUNES

Egyptian *prunes* kernel seeds [Nutritive value]. 022075
Bark split disease of *prune* **trees** and its association with strains of apple chlorotic leaf spot [virus]. 028172

PRUNING

"Open sesame" **[Camellia,** *pruning].* 027676
The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, *pruning,* and **fruit** thinning [affect bitter pit development]. 028312
Training and *pruning* of **passion** fruit (Passiflora edulis Sims) in Kenya. 027650
Pruning **pin** oak [Quercus palustris] in southeastern Missouri. 025261
Flower production and the accumulation and distribution of carbohydrates in different parts of Baccara rose plants as influenced by various *pruning* and **pinching** treatments. 027199
Selective *pruning* of [Pinus] radiata pine. 025222
Field trials on Dwarf Cavendish bananas in southern Malawi. I. **Spacing** and *pruning.* 027601
Susceptibility of apricot **tree** *pruning* wounds to infection by Eutypa armeniacae [Cytosporina dieback]. 028062
Pruning **trees** and shrubs. 027731
Determination of *pruning* times of **Ziziyphus** xylopyra (Willd.) in Uttar Pradesh. 025197

PRUNUS

Localisation of cherry leaf roll virus in *Prunus* **avium** x Prunus pseudocerasus rootstocks. 028185
Prunus **necrotic** ringspot virus as a multicomponent system. 028280
Identification of virus in **ornamental** *Prunus* in Belgium. 028275
Localisation of cherry leaf roll virus in Prunus avium x *Prunus* **pseudocerasus** rootstocks. 028185
Prospects for the cultivation in Italy of the Capuli black cherry, *Prunus* **serotina** subsp. capuli (Cav) McVaugh. 027710
Transmission by grafting of a disease of peach in Greece resembling that of chlorotic leaf roll (enroulement chlorotic)of some *Prunus* **species:** observations on the symptomatology of the LF disease. 028234
Spread and control of *Prunus* **stem** pitting [Peaches, tomato ringspot virus, transmitted by Xiphinema americanum]. 028196
Meristem culture for the production of **virus-free** *Prunus.* 028186

PSELAPHIDAE

Description of a new species of the genus Radamopsis [franzi] (Coleoptera, *Pselaphidae,* **Clavigerinae).** 029710
A new species of Rhexinia, [tucumanensis] from Argentina **(Coleoptera:** *Pselaphidae).* 029643
Contributions to the study of Clavigerinae from Africa (Coleoptera, *Pselaphidae).* 9. **Description** of a new Clavigerinae [Xenomussardia besucheti] from Rhodesia and note on the intraspecific variations of Hoplitoxenus joannae Jeannel. 029675
Revision of the Genus Cratna Raffray (Coleoptera, *Pselaphidae)* **[New** taxa]. 029681

PSEUDEUCOILA

Induction of melanotic tumors in larvae of Drosophila affinis parasitized by the wasp, *Pseudeucoila* **bochei.** 029425

PSEUDOCOCCIDAE

A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia Goux (Homoptera: Coccoidea: *Pseudococcidae)* **[New** taxa]. 029498

PSEUDOGLEY

Results of studying the application of fertilizers to **poplars** in *pseudogley.* 030543
Investigations on the effects of stubble and catch crop treatments on physical soil properties and yields in a sugarbeet rotation on a *Pseudogley-Parabrown* **soil.** 030257

PSEUDOMONAS

Studies to **differentiate** *Pseudomonas* morsprunorum Wormald from Pseudomonas syringae van Hall with the help of physiological and biochemical methods [Agents of bacterial blight on fruits]. 028156
Total count and bacterial flora of minced meat with special reference to **Enterobacteria** and *Pseudomonas.* 021984
Proteolysis of milk and milk products by *Pseudomonas* **fluorescens** [Contamination]. 021947
Chemical control of *Pseudomonas* **lachrymans** bacterial disease of cucumbers. 028125
Taxonomy of *pseudomonads* from **milk** [Contamination]. 021949
Host relations and distribution of a physiological and pathological variant of *Pseudomonas* **morsprunorum** [Sweet-cherry trees, leaf spot]. 028131
Antimicrobial action of *Pseudomonas* on **phytopathogenic** bacteria. 028138
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft **rot** *Pseudomonas* [marginalis]. 028132
Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of mild flue-cured variety F 211 byhaploid method [for *Pseudomonas* **solanacearum** resistance]. 026101
Moko disease: its recognition and control *[Pseudomonas* **solanacearum,** bananas, Venezuela]. 028145
An antibacterial compound from Solanum phureja and its rolein resistance to bacterial wilt *[Pseudomonas* **solanacearum].** 028146

Technique for the determination of the rate of ethylene production by *Pseudomonas* **solanacearum** [Bacterial wilt, tomatoes, pototoes]. 028148
Studies to differentiate Pseudomonas morsprunorum Wormald from *Pseudomonas* **syringae** van Hall with the help of physiological and biochemical methods [Agents of bacterial blight on fruits]. 028156

PSEUDOPLUSIA
Soybean looper *[Pseudoplusia* **includens]:** populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL [black light] traps. 028753

PSEUDORABIES
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and *pseudorabies* **virus** [Rabbits]. 024423

PSEUDOSCORPIONS *see* CHELONETHIDEA

PSEUDOSINELLA
Experimental study of aggregation during the development of *Pseudosinella* **impediens** (Collembola, Entomobryidae). 029472

PSEUDOTSUGA
Measure of active germination of Douglas **fir** *Pseudotsuga* menziesii (Mirb.) Franco. 027306
On fructification of blue Douglas fir *[Pseudotsuga* **glauca]** in forest-ranger district Perisor-Dolj. 025231
Yield and improvement experiments of Douglas fir in Hungary *[Pseudotsuga* **menziesii].** 025187
A review of Douglas fir *[Pseudotsuga* **menziesii]** in New Zealand. 025217
An attempt (and failure) to correlate duff removal and slash fire heat [Broadcast burning, *Pseudotsuga* **menziesii,** Larix]. 025252
New microfungi on coastal Douglas fir *[Pseudotsuga* **menziesii,** Coccomyces pseudotsugae, Phragmoporthe pseudotsugae, Botryosphaeria pseudotsugae, Phomopsis porteri]. 025663
Swiss needle [Phaeocryptopus gaeumannii] cast of Douglas fir *[Pseudotsuga* **menziesii].** 027873
Distribution and infection period of Phaeocryptopus gaeumannii *[Pseudotsuga* **menziesii]** in New Zealand. 028037
Initial weed control in Douglas fir *[Pseudotsuga* **menziesii]** nursery beds at Rangiora. 028532
Coating and impregnating with endrin protects field-sown Douglas fir *[Pseudotsuga* **menziesii]** seed. 028952
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, *Pseudotsuga* **menziesii]** trees. 028962
Peat, *[Pseudotsuga* **menziesii]** bark and sawdust mixtures fornursery substrates. 030403

PSILA
Carrot fly *[Psila* **rosae].** 028810

PSOCOPTERA
Records of two species of Ectopsocus **McLachlan** *(Psocoptera:* Ectopsocidae) from one Tree Island, Queensland. 029608

PSORALEA
Chromosome variation in relation to leaf structure of *Psoralea* **corylifolia** Linn. 025933
Sclerotium [rolfsii] wilt of *Psoralea* **corylifolia.** 027948

PSYCHIDAE
Appressoria formation by Aspergillus parasiticus on *bagworm[Thyridopteryx* **epheraeformis]** cuticle. 029213

PSYCHOTRIA
Contributions to the flora of Florida. 9. *Psychotria* **(Rubiaceae).** 025668

PSYCHROTROPHIC
Predominant *psychrotrophic* bacteria on fresh and aged ground beef and antelope. 021960

PSYLLIDAE
Elimination of ovarian diapause in pear psylla, Psylla pyricola (Homoptera: *Psyllidae),* in the **laboratory.** 028816
The pear tree **psylla** *(Psylla* piri L.) and possibilities for its control. 027799
Elimination of ovarian diapause in pear psylla, *Psylla* **pyricola** (Homoptera: Psyllidae), in the laboratory. 028816
The pear **tree** *psylla* (Psylla piri L.) and possibilities for its control. 027799

PTERIDIUM
Studies on toxic factor in bracken fern *[Pteridium* **aquilinum].** I. Attempts to produce bovine bracken poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Sulphate esters of caffeyl- and p-coumarylglucose in ferns [Adiantum, *Pteridium* **aquilinum].** 026765
The biology of Canadian weeds. 15. *Pteridium* **aquilinum** (L.) Kuhn. 028506
Effect of additives on bracken *[Pteridium* **aquilinum]** control by asulam and glyphosate. 028552
Eradication of bracken *[Pteridium* **aquilinum]** on railway reserves. 028555
Preliminary investigations with DPX 3674 for weed *[Pteridium* **aquilinum,** Cortaderia fulvida] control in [Pinus radiata] forestry. 028565
Review of and observations on current methods of bracken *[Pteridium* **aquilinum]** control in forestry. 028567
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the urinary bladder in guinea pigs by feeding bracken **fern** *(Pteridium* aquilinum). 025003
Studies on hemorrhagic diathesis of experimental bovine bracken *[Pteridium]* **poisoning.** I. Detection of circulating anticoagulants. 024979
Studies on hemorrhagic diathesis of experimental bovine bracken *[Pteridium]* **poisoning.** II. Heparin-like substance level in blood. 024980
Bracken fern *[Pteridium]* **poisoning** [Cattle]. 024988

PTERIDOPHYTA
New pteridophyte records in the Highlands Biological Station area, southern **Appalachians** *[Pteridophyta].* 025673
The occurrence and structure of centrosomes in Lycopodium **complanatum** *[Pteridophyta].* 026064
The phytogeographical relationships and origin of the New Hebrides fern **flora** *[Pteridophyta].* 025792
Asplenium scolopendrium on Gotland's main **island** *[Pteridophyta].* 025824
10-nonacosanone in Lophosoria **quadripinnata** *[Pteridophyta].* 026776
[New] locality of Lycopodium complantaum *[Pteridophyta]* by the **shores** of the river Pilica. 025682

PTERIS
Differentiation of apical cells in callus of *Pteris* **creticaL.** cultivated in vitro. Acquistion of secific characters. 025967

PTEROMALIDAE
Incidence of Anisopteromalus calandrae Howard (Hymenoptera: *Pteromalidae)* on **Sitophilus** oryzae Linnaeus. 028723

PTEROPHORIDAE
Two *Pterophoridae* from Saint Helena Island [Crombrugghia wahlbergi, Agdistis sanctaehelenae]. 029627

PTERYGOTA
Formation of winged insects *[Pterygota]* and their **present** system [Evolution]. 029514

PUCCINIA
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by *Puccinia* **chondrillina** Bubak & Syd. [Biological control]. 028496
Influence of formulation on efficacy of three systemic fungicides for control of oat leaf rust *[Puccinia* **coronata** avenae]. 027926
Physiologic races of oat crown *[Puccinia* **coronata** avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. 027938
Development of the stem and crown rust fungi on leaves, sheaths, and peduncles of oats *[Puccinia* **coronata** avenae, Puccinia graminis avenae]. 028051
Effect of temperature, light, and dew duration on relative numbers of infection structures of *Puccinia* **coronata** avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. 028052
A historical account of wheat rust *[Puccinia]* **epidemics** in India, and their significance. 027935
Specimens of spring wheat [varieties] resistant to races of stem and yellow rust [Puccinia graminis tritici, *Puccinia* **glumarum].** 026261
UV [ultraviolet] light inactivation kinetics of wheat stem rust uredospores *[Puccinia* **graminis].** 027874
On the presence of the gene Sr 5 in some European cultivars [Wheat, stem rust resistance, *Puccinia* **graminis** tritici]. 027937
Physiologic races of oat crown [Puccinia coronata avenae] and stem rust *[Puccinia* **graminis** avenae] in Italy, 1974. 027938
Induced susceptibility or induced resistance as causes of host-parasite specificity [Wheat, stem rust, *Puccinia* **graminis** tritici]. 027971
Peculiarities of wheat stem rust *[Puccinia* **graminis]** races prevailing in the Georgian SSR. 028020
The racial composition of the pathogen of stem rust of oats, *Puccinia* **graminis** Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Development of the stem and crown rust fungi on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, *Puccinia* **graminis** avenae]. 028051
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, wheat, *Puccinia* **graminis** tritici]. 028052
Photocontrol of fungal spore germination *[Puccinia* **graministritici,** wheat stem rust]. 028077
Notes on Chilean Uredinales *[Puccinia* **habranthi,** Puccinia menthae, Uromyces minor]. III. New hosts [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. 027891
Ultrastructural changes in host-parasite interface of chrysanthemum rust *[Puccinia* **horiana]** treated with oxycarboxin. 027985
Notes on Chilean Uredinales [Puccinia habranthi, *Puccinia* **menthae,** Uromyces minor]. III. New hosts [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. 027891
Genetic control of durable resistance to yellow **rust** *(Puccinia* striiformis) in the wheat cultivar Hybride de Bersee. 027897
Deposition of *Puccinia* **striiformis** [yellow rust] uredospores on adult wheat plants in laboratory experiments. 027936
The yellow rust, *Puccinia* **striiformis** West. 028032
Presence of wheat rust *[Puccinia]* **uredospores** over the Rohtang pass (3,954 m) in the interior of the Himalayas [India]. 027939

PUERARIA
The study of the aqueous extract of *Pueraria* **[kudzu]** radix. I. The preparation and the components of the active extract. 026983

PUERPERIUM *see* BIRTH

PUFF
DNA replication and **DNA** *puffs* in salivary chromosomes of Rhynchosciara. 029305
Puffs in the **heterochromatin** in chromosomes of Rhynchosciara. 029307
Prehistoric *puff-balls* [Fungi, paleobotany]. 025648

PULMONARY
Canine *pulmonary* blastomycosis [Blastomyces dermatitidis]. 024776
Hemodynamic effects of aerosol propellants. II. *Pulmonary* **circulation** in the dog. 024999
Induction of *pulmonary* **edema** and emphysema in goats. 024883
Rapid estimation of *pulmonary* **extravascular** water with an instream catheter [Dogs]. 023469
Heartworm [Dirofilaria immitis] disease with *pulmonary* **hypertension** [Dogs]. 024723
Intracytoplasmic filaments in *pulmonary* **lymphatic** endothelial cells. Fine structure and reaction after heavy meromyosin incubation [Rabbits]. 023360
Pathomorphogical changes in lungs, *intra-pulmonary* **lymphoid** tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773
Relative pre- and postsynaptic potencies of alpha-adrenoceptor agonists in the **rabbit** *pulmonary* artery. 023597
Local control of *pulmonary* **resistance** and lung compliance in the canine lung. 023464
Atypical tryptamine receptors in **sheep** *pulmonary* vein. 023321
The morphology of **spontaneous** *pulmonary* adenomatosis in sheep. I. Histological findings on the tumour stroma. 024936

PULP
Short-rotation hardwood as a raw material for **absorbent** *pulp.* 025471
The influence of adding sulphurous acid and calcium bisulphite during the extraction of sugarbeet cossettes on the **amount** of *pulp.* 022855
Juice extraction of frozen **apple** *pulp.* 022880
The pulping of woods with barks. I. The cleaning of mixed stock, wood and **bark** *pulp* from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle fed **beet** *pulp.* 023576
New process for flash-drying **[cellulose** *pulp].* 025488
Studies on the high-yield pulping of tropical woods. I. On the neutral sulfite semi **chemical** *pulping.* 025271
Enzyme use to reduce viscosity and increase recovery of soluble solids from **citrus** *pulp-washing* operations [Oranges]. 022932
Washing of pulps. 3. Transfer rates of dissolved sodium andlignin from *pulps* in a **dilute,** agitated suspension. 025498
Interaction between surface active substances and *pulp* **fibers.** 025487
Studies on the **high-yield** *pulping* of tropical woods. I. On the neutral sulfite semi chemical pulping. 025271
Norms for economic acceptance of new enterprises in the paper and *pulp* **industry.** 025398
Flow-calorimetry for the *pulp* **industry.** 025485
The formation of carboxylic acids from wood polysaccharides during **kraft** *pulping.* 025472
Oxygen-bicarbonate bleaching of **kraft** *pulp.* 025489
Washing of pulps. 2. The sorption of Na, Mg and Ca [sodium, magnesium, calcium] on **kraft** *pulp.* 025497
Strength properties of flooded timber and its utilization for **kraft** *pulp.* 025541
Main *pulping* characteristics of Scots [Pinus silvestris] and Austrian pine [Pinus nigra] damaged by Rhyacionia buoliana Schiff. 028935
Critical point drying of fines from **mechanical** *pulps.* 025483
Economic aspects of producing and using **mechanical** *pulp.* 025506
Economics of **mechanical** *pulping* in newsprint or how to choose a gold mine based on different energy cost scenarios. 025507
Properties of sodium sulfide—sodium carbonate **melts** *[Pulping].* 025490
Community reactions to odors from *pulp* **mills:** a pilot sudy in Eureka, California. 030886

The disruptive shear stress of *pulp* **networks.** 025493
Pneumatic transport of bark [Wood processing, *pulp* and **paper**]. 025452
Pulp and **paper** in Iran—today and tomorrow. 025491
Apprentice training for maintenance employees in the *pulp* and **paper** industry. 025503
The chinone and *pulp* **relation** in higher plants. IV. The biosynthesis of catalpalacton and catalponol in wood of Catalpa ovata. 026522
Fast-growing poplar as raw material for obtaining **semi-chemical** *pulp* which is used for the production of white papers. 025516
Incombustibility of fire-retardant [fiber] boards made of *pulp* **sludge** and perlite. 025430
Washing of *pulps*. 2. The **sorption** of Na, Mg and Ca [sodium, magnesium, calcium] on kraft pulp. 025497
Collaborative study on the determination of trace elements in dried **sugarbeet** *pulp* and molasses. 1. Mercury. 022859
Use of softwood broadleaved species from natural forests and plantations for obtaining **sulphate** *pulp* [Poplar wood]. 025525
Calming lengths in *pulp* **suspension** flow. 025482
Computer controlled batch digesters using the Nokia Autocook **system** *[Pulping]*. 025505
Repeatability of Canadian Standard Freeness **test** *[Pulp]*. 025510
Washing of *pulps*. 3. **Transfer** rates of dissolved sodium andlignin from pulps in a dilute, agitated suspension. 025498
Methods of investigating the carbohydrate fraction of sulfite alkalis [**Wood** *pulp* processing]. 025314
Production of furfural and furan compounds [using **wood** *pulp* and cereal lignin] in foreign countries. 025321
The improvement of the quality of tall fatty acids and colophony in operating installations [**Wood** *pulp* and paper mills]. 025344
Kinetics of each stage of the bleaching sequence CEHD [**Wood** *pulps*]. 025378
The *pulping* of **woods** with barks. I. The cleaning of mixed stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
Study for the manufacture of unbleached high **yield** *pulp* from bagasse. 025366

PULPWOOD

Studies on the determination of the solid volume of a pulpwood pile. Crooked broadleaved pulpwood, large-sozed pulpwood and coniferous [Beutla] *pulpwood* of **approximate** length. 025293

PULSATILLA

Morphological-anatomic study of Pulsatilla violacea Rupr. And *Pulsatilla* **aurea** (N. Busch) Juz. during ontogenesis. 026038
Reproductive biology of *Pulsatilla* **patens** (Ranunculaceae). 026358
Morphological-anatomic study of *Pulsatilla* **violacea** Rupr. And Pulsatilla aurea (N. Busch) Juz. during ontogenesis. 026038

PULSE

Review of recent research on *pulse* **crops.** IV. Water management practices. 030659
Study of the effect of *pulses* on **milking** velocity and magnitude of manual end-milking during machine milking of ewes. 023194
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of albino rats fed different *pulse* **proteins.** 022108
Study on growth rates of area, production & productivity of *pulses* in **Uttar** Pradesh (1959-60 to 1972-73). 027355

PULVERIZATION

Dewatering of organic sludge by *pulverized* **coal.** 030929
Rearing a green lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on *pulverized* **drone** honeybee [Apis mellifera] brood. 029258

PULVINATA

The effect of seawater on the metabolism of some seashore and inland mosses [Grimmia maritima, **Grimmia** *pulvinata*, Tortella flavovirens, Ulota phyllantha]. 026694

PUMICE

Phytosociological changes in permanent grasslands on *pumice* **soils** caused by molybdenum application. 025861

PUMPKINS

Fusarium avenaceum on **butternut** *pumpkin*. 027869
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, Tilia platyphyllos, Deutzia **crenata,** *pumpkins]*. 026828
Two isolates of watermelon mosaic virus isolated from *pumpkin* **leaves.** 028213
Annotated bibliography on pistillate flower formation induced by ethrel in *pumpkin*, 1969-1973. 027286
Filament formation in vitro of a sieve tube protein from Cucurbita maxima and Cucurbita pepo [Winter **squash,** *pumpkins]*. 027276
Annotated bibliography on manurial requirements of *pumpkin*, **squash,** watermelon and muskmelon, 1969-1974. 030512

PUMPS

Characteristic of the rotary **air** *pump* SVL-40. 029991
Effect of underpressure on performance and transportation efficiency of a rotary **air** *pump* [Equipment]. 029994
About automatic flooding of a **centrifugal** *pump* before launching [Drainage, irrigation]. 030120
Drainage pumping stations [equipped] with **centrifugal** *pumps*. 030121
Study of operating conditions of the **screw** *pump* [Transport of feed mixes and water. 030163
Electrogenic **sodium** *pumping* in rabbit small intestinal smooth muscle. 023211

PUPAE

Haemocytic reactions in Lepidoptera pupae. Intensity of the reaction at differents regions of the *pupae* **body** of Pieris brassicae. 029267
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the sexual competitiveness of flies treated as *pupae* 2 **days** before eclosion or as 2-day-old adults. 028867
Susceptibility of **diapausing** *pupae* of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in **diapausing** *pupae* of Hyalophora cecropia and Samia cynthia. 029373
Cannibalism as an indication of pollen insufficiency in honeybees [Apis mellifera]: ingestion or recapping of manually **exposed** *pupae*. 029805
Haemocytic reactions in **Lepidoptera** *pupae*. Intensity of the reaction at differents regions of the pupae body of Pieris brassicae. 029267
Haemocytes in larval and *pupal* **ovarioles** of the queen honeybee [Apis mellifera]. 029818
Pupal **pleomorphism** in a strain of Anopheles albimanus from El Salvador. 029054
Relationship between hormone titres and RNA and protein syntheses when the change to the *pupal* **programme** occurs in the silkworm, Bombyx mori. 029839
Debraining and diapause development in Manduca **sexta** *pupae*. 029409
Estimation of saprobity according to the larval and *pupal* **stages** of caddis-flies, Trichoptera. 029367
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the silkmoth Hyalophora cecropia during the *larval-pupal* **transformation.** 029725

PUPIL

School foodservice **discovers** *pupil* power. 022247
Autonomous pigment movement in the **radial** *pupil* of locust ocelli [Valanga nigricornis, Austracorus guttulosa]. 029453

PURCHASING

Increasing the production and *purchase* of **beans.** 021825
An analysis of indoor potted flowering **plant** *purchase* behavior [Marketing]. 021473

PUREBREDS

Comparison of the growth and carcass composition of *purebred* **Angus** and crossbred Hereford-Angus and Friesian-Angus steers [Beef cattle]. 022695
The pH1 [hydrogen-ion concentration] of longissimus dorsi muscle in *purebred* and **commercial** pigs. 022692
Artificial insemination: a longer way to the production of *purebred* **queens** as a basis for mass multiplication [Apis mellifera]. 029847

PURIFICATION

Decarboxylation of oxalacetate to pyruvate by *purified* **avian** liver phosphoenolpyruvate carboxykinase. 023479
Properties of a free and solubilized form of **bound-alpha,alpha-trehalase** *purified* from honeybee [Apis mellifera] thorax. 029778
The reconstitution of microtubles from *purified* **calf** brain tubulin. 023306
Thermal and **catalytic** *purification* of effluent air [Food processing industry]. 030896
Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, *purification*, and **characterization** of peptides split by cyanogen bromide. 023311
Pallidin. *Purification* and **characterization** of a carbohydrate-binding protein from POlysphondylium pallidum implicated in intercellular adhesion [Fungi]. 026410
Glucosidases specific for the cyanogenic glucoside triglochinin. *Purification* and **characterization** of beta-glucosidases from Alocasia macrorrhiza Schott. 026566
Laminarinases of Neurospora crassa [fungi]. II. Isolation, *purification* and **characterization.** 026604
Laminarinases of Neurospora crassa [Fungi]. II. Isolation, *purification* and **characterization.** 026605
Phosphatase activity of Poa pratensis seeds. II. *Purification* and **characterization** of acid phosphatase Ia2 and Ia3. 026877
Isolation, *purification* and **characterization** of a trypsin-like protease from the root-knot nematode, Meloidogyne incognita. 028404
A new method for the **chemical** *purification* of hardwood and conifer stands. 025188
Communal *purification* stations. Choice of a water purification technique. 030848
Influence of *semipurified* **constituents** of juvenile jack pine, Pinus banksiana, foliage and other pine-derived chemicalson feeding of Neodiprion swainei and Neodiprion rugifrons larvae. 028921
Purification, **crystallization,** and properties of an endo beta-1,3-glucanase from Rhizopus chinensis R-69 [Fungi]. 026345
Isolation and *purification* of **cytokinin** binding protein from tobacco leaves by affinity column chromatography. 026903
Preparation and *purification* of an **enzyme** system for ethylene synthesis from acrylate [Kidney beans]. 027231
Studies on the enzyme system of carbohydrate metabolism in fish. II. *Purification* of **glucose-6-phosphate** dehydrogenase and glucose dehydrogenase. 022410
On the mechanism of ketogenesis and its control: *purification*, **kinetic** mechanism and regulation of different forms of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from Ox liver. 023395
A process for the *purification* of **lutein-fatty** acid esters from marigold petals [Food colorants]. 022495
Purification of **myo-inositol** 1-phosphate synthase from rice cell culture by affinity chromatography. 027029
Purification of **NADH** [nicotinamide adenine dinucleotide phosphate]-nitrate reductase [from Chlorella vulgaris, Algae] by affinity chromatography. 026791
Purification of **odorous** effluent gases by oxidation using sodium chlorite [Food processing industry]. 030895
Partial *purification* of "omega" protein from calf thymus. 023302
Partial *purification* and properties of ornithine transcarbamoylase from Nostoc muscorum Kutzing [Algae]. 026789
Partial *purification* and some properties of dihydrofolate reductase from soybean seedlings. 026968
Partial *purification* and some properties of dihydrofolate reductase from soybean seedlings. 026969
Partial *purification* and characterization of two cytoplasmic DNA polymerases from ungerminated wheat. 026998
Partial *purification* and serological relationship of three strains of bean yellow mosaic virus [Kidney beans, peas]. 028217
RNA polymerase B from Drosophila melanogaster larvae. *Purification* and **partial** characterization. 029350
A simple procedure for **partial** *purification* of silkworm [Bombyx mori] brain hormone. 029716
Isolation and *purification* of **phenol** oxidase from the leaves of the cotton plant. 026937
Purification and **physical** properties of homogeneous initiation factor MP from rabbit reticulocytes. 023485
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 1. *Purification* and **properties.** 022423
Arginine decarboxylase from Lathyrus sativus seedlings: *purification* and **properties.** 026953
Purification and **properties** of potato 1,4-alpha-D-glucan: 1,4-alpha-D-glucan 6-alpha-(1,4-alpha-glucano)-transferase: Evidence against a dual catalytic function in amylose-branching enzyme. 027171
The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L.). *Purification* and **properties** of the inhibitors. 027172
Improved methodology for rapid and reproducible acid hydrolysis of food and *purified* **proteins.** 022375
Purification of **ribonuclease** L from Aspergillus sp. [Fungi] by affinity chromatography. 026346
Studies on the utilization of xylan and glucomannan in woods. I. *Purification* and **separation.** 025422
Proteases of the seeds of the cotton plant. II. **Separation** and *purification*. 026939
Utilization of ejectors in **small** *purification* installations [for sewage water]. 030962
Molecular weight and amino acid composition of *purified* **spinach** beet phenolase. 027247
Creation and operation of [water] *purification* **stations.** 030849
Use of ultrafiltration and hyperfiltration (RO) [reverse osmosis] as preconcentration and *purification* **steps** in the food industry. 022471
Purification and **study** of the antigens of equine infectious anemia virus produced in vivo or in cell culture. 024495
Tertiary *purification* of domestic effluents [Water pollution]. 030852
Biological, physical and chemical methods in the *purification* of **waste** water. 030894
Study of contamination and *purification* of **waste** waters from dairy farms and milk processing enterprises. 030960
Filters with a floating charge for *purifying* **water** in farm water supplies. 030745
Study of the sources of entry of trace elements into rivers and processes of *self-purification* of **water.** 030778
Communal purification stations. Choice of a **water** *purification* technique. 030848

PURINES

Purine **metabolism** pathway in Drosophila melanogaster cells grown in vitro: utilization of adenosine. 029273

PYRANTEL
Evaluation of *pyrantel* **pamoate** [anthelmintic] against strongyles in horses. 024705

PYRAUSTA
Reduction of the number of corn borers *[Pyrausta* **nubilalis,** control, Chernovtsy Region]. 028804
Romanian references on the European corn borer **Ostrinia** *(pyrausta)* nubilalis (Hubner) [Bibliographies]. 028716

PYRAZOLE
Pyrazole in **Citrullus** vulgaris [watermelon] (Cucurbitaceae). 027249

PYRENOIDS
Four-step mechanism of water oxidation in photosynthesis [Algae, **Chlorella** *pyrenoidosa].* 026539
The effect of transport on biostimulation of algal growth [**Chlorella** *pyrenoidosa,* Anacystis nidulans]. 026547
Changes in the growth rate of the concomitant microflora in algal cultures under illumination and in darkness [**Chlorella** *pyrenoidosa].*-026686
On the respiratory enhancement in **Chlorella** *pyrenoidosa* by blue light [Algae]. 026803
An ultrastructural study of *pyrenoids* in **Leptosiropsis** torulosa [Algae]. 025804
Specific photosynthesis of Chlorella *[pyrenoidosa]* in different **regions** of the spectrum [Algae]. 026543

PYRENOMYCETE
Stray studies in the **Coronophorales** *(Pyrenomycetes).* I-3. [Taxonomy]. 025826

PYRENOPHORA
The epidemiology of leaf spot disease in a native prairie. II. Airborne spore populations of *Pyrenophora* **tritici-repentis** [Agropyron dasystachyum, Agropyron smithii]. 027923

PYRICULARIA
Tests of sources of resistance to blast *[Pyricularia* **oryzae,** rice]. 028004
Conidia liberation in *Pyricularia* [**Plant** pathogenic fungi]. 027967

PYRIDAZINONES
Some like it cold [Weed control, **4-chloro-5-(dimethylamino)-2-phenyl-3** *(2H)-pyridazinone].* 028488

PYRIDINE
Synthesis of 4-pyridoxyacetic acid via a *pyridine* **N-oxide** derivative [Plant regulators]. 026520
Pyridine **nucleotide-linked** oxidation of methanol in methanol-assimilating yeasts [Pichia pinus, Candida boidianii]. 026625

PYRIDOXAL
Interaction of aspartate transaminase from chicken heart cytosol with analogs of *pyridoxal* **phosphate.** 023310
Effect of *pyridoxal* **phosphate** and cysteine on delta-aminolaevulinate synthetase and dehydratase in soya. 027007

PYRIDOXINE
The determination of *pyridoxine* in **enriched** foodstuffs by direct spectrofluorometric measurement. 022513
Effects of thiamine and *pyridoxine* on the **respiratory** activities of Saccharomyces carlsbergensis [Yeasts]. 026591

PYRIDYL
Control of Pratylenchus brachyurus in rough lemon seedlingswith **Dowco** 275 *(diethyl-fluoropyridyl-phosphorothioate.* 028406

PYRIMIDINE
Repair of *pyrimidine* **dimers** in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of ultraviolet light. 026650
Distribuiton of bromouracil in the *pyrimidine* **oligonucleotides** of Drosophila [melanogaster] DNA. 029448
Synthesis and anticytokinin activity of *4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines* **[Tobacco].** 027012

PYROCATECHOL
On the problem of isolation of *pyrocatechol* from **gas-generated** acid water [Wood technology]. 025406

PYROLYSIS
Pyrolysis of **hydrolyzed** lignin in plasma at low temperature. 025324

PYROPHOSPHATES
Determination of orthophosphate in soil containing **excess** *pyrophosphate.* 030202

PYRUVATES
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 1. Purification and properties. 022423
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 2. Regulation of the activity. 022424
The *pyruvate-dehydrogenase* **complex** from Azotobacter vinelandii. 3. Stoichiometry and function of the individual components. 022425
Fate of *pyruvate,* formed **nonphosphorolytically** from gluconate by extracts of Aspergillus niger [Fungi]. 026867
Decarboxylation of oxalacetate to *pyruvate* by **purified** avian liver phosphoenolpyruvate carboxykinase. 023479

PYTHIACEAE
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and *Pythiaceae,* with an **introduction** to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378

PYTHIUM
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to **control** *Pythium* [ultimum] root rot [of Chrysanthemum morifolium]. 027914
Electron microscopy studies of a **developing** *Pythium* oogonium. 025978
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in Saprolegniaceae and Pythiaceae, with an introduction to the cytotaxonomy of Achlya and *Pythium* **[Fungi].** 026378
Interactions of *Pythium* **myriothylum** with several fungi in peanut pod rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Histopathology of infection of bean with *Pythium* **myriotylumcompared** with infection with other Pythium species. 027918
Control of *Pythium* **root** rot in five-degree tulips in the Netherlands and the United Kingdom. 027876
Increased susceptibility of Easter lilies to *Pythium* **root** rot as a result of infection by necrotic fleck virus complex. 027880
Pythium **root** rot of barley in southwestern Ontario. 027933
Histopathology of infection of bean with Pythium myriotylumcompared with infection with other *Pythium* **species.** 027918

QUADRATIC
A *quadratic* **programming** model of the Canadian dairy industry. 023102
A discounted least **squares** *quadratic* growth prediction model for use in 2 year toxicity studies [Rats]. 024981

QUAIL
Responses of isolator-derived Japanese quail and *quail* **cellcultures** to selected animal viruses. 024593
Role of catecholamines in photoperiodically-induced gonadal development in **Coturnix** *quail.* 024038
The chronic toxicity of methiocarb [pesticide] to grackles, doves, and quail and reproductive **effects** in *quail.* 029089
Alterations of DNA-dependent DNA polymerase activities in the **immature** *quail* oviduct in response to estrogen stimulation. 023600
Protection against zinc deficienc by prior excess dietary zinc in young **Japanese** *quail.* 022142
Tanycyte absorption affected by the hypothalamic deafferentation in **Japanese** *quail,* Coturnix coturnix japonica. 023363
Effect of prolactin on thyroid function in **Japanese** *quail* (Coturnix coturnix japonica). 023415
Follicle-stimulating hormone in the **Japanese** *quail:* variation in plasma levels during photo periodically induced testicular growth and maturation. 023516
Scanning electron microscopy of the ependymal cell surface of the median eminence. I. Median eminence of **Japanese** *quail(Coturnix* coturnix japonica). 023685
Effect of restricted feeding during the growing period on the body weight and egg production of **Japanese** *quail,* Coturnix coturnix japonica. 023688
Protein digestibility and lysine availability in alfalfa meal and alfalfa protein concentrate [**Japanese** *quail,* rats]. 023802
Responses of isolator-derived **Japanese** *quail* and quail cellcultures to selected animal viruses. 024593
New animal [**Japanese** *quail]* model for atherosclerosis research. 024813
Morphological aspects of the congenital torticollis in the **Japanese** *quail* (Coturnix coturnix japonica). 024864
The metabolism of p,p'-DDE [dichlorodiphenyl dichloroethylene] in laying **Japanese** *quail* and their incubated eggs. 024946
Studies on the renal uptake of vitamin D3 in the **mouse** and the *quail.* 023189
Feather-forming and hair-forming of dermal cells from glabrous skin of birds and mammals [Chick, *quail* and **mouse** embryos]. 023351
The chronic toxicity of methiocarb [pesticide] to grackles, doves, and *quail* and **reproductive** effects in quail. 029089

QUARANTINE
U.S. Imports of fruits and vegetables under *quarantine,* **fiscal** 1975 [Statistics]. 021508
Gradual improvement of [plant] *quarantine* **measures.** 028469
Moving? Traveling? Trading plants? Leave **pests** behind *[Quarantine].* 028410
Some horticultural aspects of **plant** *quarantine.* 028309
The application of plant pathological techniques in **plant** *quarantine* pathology [Soybeans, asparagus, sugarcane]. 028310
Plant *quarantine*—friend or foe? 028325

QUASSIA
Picrasins, simaroubolides of **Japanese** *quassia* tree Picrasma quassioides. 026755

QUASSIOIDES
Picrasins, simaroubolides of Japanese quassia tree **Picrasma** *quassioides.* 026755

QUATERNARY
Use of "quats" in the brewery. Differences in the efficiency of *quaternary* **ammonium** compounds. 022396
Studies on the alkaloids of papaveraceous plants. XXII. Separation of the alkaloids by droplet countercurrent chromatography. 2. The *quaternary* **bases** of Corydalis pallida. 026658
Further study of diatoms in some present or *quaternary,* **hydrothermal** and lacustrine carbonate sedimentation from central Afghanistan. 025650
Late *quaternary* climatic change in Africa. 021081
Presumptive *quaternary* ammonium intoxication in a pony. 024965
Palynologic investigation of *Quaternary* **sediment** from Lake Vanda [Paleobotany]. 025606

QUERCUS
Growth of four types of white oak *[Quercus* **alba]** reproduction after clearcutting in the Missouri Ozarks. 027345
Seasonal flight and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory *[Quercus,* **Carya]** forest in Missouri. 029287
Auxometric investigations on the Turkey oak *[Quercus* **cerris]** of the Gargano [Forest mensuration]. 025103
Branch grading indexes after size in pedunculate oak, sesile oak and beech stands *[Quercus,* **Fagus].** 025161
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and *Quercus* **falcata** Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Studies on the rate of decay of wood litter on the *[Quercus]* **forest** floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Experiment in the protection of oak *[Quercus]* **groves** from the oak roller moth. 028965
Competitive behavior of *Quercus* **ilex** and Quercus pubescens under Meditteranean humic climates. 025874
Leaf litter fungi associated with evergreen oak forests in Japan [Castanopsis, *Quercus,* **Lithocarpus,** Machilus, Cinnamomum, Daphniphyllum]. 025904
An analysis of variation within white **oak** *(Quercus* alba L.) [Morphology and ecology]. 026069
Foliar nutrient variation in four species of upland **oaks** *[Quercus].* 030554
Pruning pin oak *[Quercus* **palustris]** in southeastern Missouri. 025261
Determination of larval instars of Heterocampa manteo and reduction of larval head capsule size by the parasitoid Diradops bethunei *[Quercus* **pests,** biological control]. 028918
Persistence of spores of Pleistophora schubergi (Cnidospora: Microsporida) in the field, and their application in microbial control [Anisota senatoria, Symmerista canicosta, *Quercus* **pests].** 028948
Competitive behavior of Quercus ilex and *Quercus* **pubescens** under Meditteranean humic climates. 025874
Pedunculate oaks, *Quercus* **robur,** nature's monuments in Wroclaw. 025550
The effect of chemical mutagens on the growth of *Quercus* **robur** seedlings. 027323
Studies in leaf litter breakdown. III. The influence of leaf age *[Quercus* **robur,** Fagus]. 030276
Variability of traits of generative organs in *Quercus* **roburin** southeastern Kazakhstan. 026016
Wilt development in red oak *[Quercus* **rubra]** seedlings: a new system for studying oak wilt [Ceratocystis fagacearum]. 028065
Eggs and wax secretion of Kermes kingi *[Quercus* **rubra].** 028920
Flowering, pollination, pollen collection and pollen germination in Fagus and *Quercus* **species.** 027342

QUINCE
Transmissible and non transmissible fruit deformation of *quince* [**caused** by virus]. 028205

QUINONE
Chemistry of the Rubiaceae. 1. *Quinone* **components** of Putoria calabrica Pers. 026361

RABBITS
Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the toxin **A-chains** *[Rabbits].* 024952
The effect of atmospheric levels of pesticides on pesticide residues in *rabbit* **adipose** tissue and blood sera. 024945
Antigenic determinants of bovine myelin encephalitogenic protein recognized by *rabbit* **antibody** to myelin encephalitogenic protein. 024588
[Escherichia coli] endotoxin-induced endothelial injury andrepair. I. Endothelial cell turnover in the **aorta** of the *rabbit.* 024520

Rabbit **aortic** endothelial and medial histamine synthesis following short-term chloesterol feeding. 023404
Antigenicity of Staphylococcus **aureus** in *rabbits.* 024544
Positive inotropic effect of insulin on *rabbit* **auricle** in vitro. 023263
The action of fluoride on the calcium pretreated **blood** *[Rabbits].* 023542
Synthesis and adrenergic neuron blocking properties of some alkylating analogues of **bretylium** *[Rabbits].* 023265
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in vaccinated animals **[Buffaloes,** *rabbits].* 024567
Induction of ovulation and pregnancy in **captive** *cottontail* rabbits by exogenous gonadotrophin treatment and artificial insemination. 024225
Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA [human serum albumin] in *rabbits* and **chickens.** 024523
Sulfur content in hairs and skin of different **coloured** *rabbits* and mice. 023683
Experimental herpetic [Herpesvirus hominis] infection in *rabbits* **combined** with immunodepression. 024405
Release of prostaglandin-like substances by Shigella endotoxin and its inhibition by non-steroidal anti-inflammatory **compounds** *[Rabbits].* 024472
Muscarinic inhibition of potassium-induced noradrenaline release and its dependence on the calcium **concentration** *[Rabbits].* 023595
Use of immunoglobulin coupled to agarose beads for examining the specificity of **conjugates** *[Rabbits].* 024595
Collagen cross-linking in *[rabbit]* **corneal** scar formation. 023313
Lipid mobilization in *rabbits.* II. **Cortisone** acetate. 023633
Induction of ovulation and pregnancy in captive **cottontail** *rabbits* by exogenous gonadotrophin treatment and artificial insemination. 024225
Dietary adaptability of the **desert** *cottontail* [Grasses, forbs, shrubs]. 025911
Lipid mobilization in *rabbits.* I. **Dexamethasone,** TSH [thyroid stimulating hormone], and GH [growth hormone]. 023632
Fluorocarbons and general metabolism in the rat, *rabbit,* and **dog.** 023664
Scent-marking, dominance and flehmen behavior in **domestic** *rabbits* in an artificial laboratory territory. 023372
Mechanisms of disposal of acid and alkali in *rabbit* **duodenum.** 023220
Histamine receptors in the vasculature of the *rabbit* **ear.** 023594
Nuclear transplantation in the *rabbit* **egg.** 024157
Binding of polyriboinosinic-polyribocytidylic acid with cultured cells [Mice, chick **embryos,** *rabbits].* 024419
Antitoxic immunity in experimental cholera: protection, and serum and local antibody responses in *rabbits* after **enteral** and parenteral immunization. 024569
Aminosidine used as a prophylactic in **enteritis** of *rabbits.* 024711
Impermeability of *rabbit* **erythrocytes** to prostaglandins. 023217
Evidence against the participation of the gamma-glutamyltransfease-gamma-glutamylcyclotransferase pathway in amino acid transport by *rabbit* **erythrocytes.** 023279
Strand-selective transcription of globin genes in *rabbit* **erythroid** cells and chromatin. 023623
Cross-linking of troponin with dimethylimido **esters** *[Rabbits].* 023296
European *rabbit* invades western Argentina [Animal pests]. 028387
Effect of prostaglandin PGE on blood and tissue lipids in *rabbit* **experimental** atherosclerosis. 023605
Hematocrit of the **fetal** *rabbit* placenta. 023215
Inhibition of thermal tachypnoea in *rabbits* **following** exposure to cold and water deprivation. 023550
Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and systemic blood **fractions** *[Rabbits].* 023608
Fine structural demonstration of acid phosphatase in *rabbit* **germinal** epithelium prior to induced ovulation. 024055
Structural and thermodynamic basis of affinity in anti-dinitrophenyl *[Rabbits,* **goats,** guinea pigs] antibody. 024462
Comparison of free amino acids in blood serum of men and animals. II. Man, *rabbit,* **guinea-pig,** swine. 023676
The role of H1 and H2-receptors in the coronary vascular response to histamine of isolated perfused hearts of **guinea-pigs** and *rabbits.* 023334
Alteration of drug pharmacodynaics by **hyperlipidemia** *[Rabbits].* 023255
Phosphatidate phosphohydrolase and palmitoyl-coenzyme A hydrolase in cardiac subcellar fractions by **hyperthyroid** *rabbits* and cardiomyopathic hamsters. 023283
The composition and protein metabolism in the **immature** *rabbit* intervertebral disc. 023364
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. Fine structure and reaction after heavy meromyosin **incubation** *[Rabbits].* 023360
Pathology of chronic Trypanosoma brucei **infection** in the *rabbit.* 024803
Fate of fluorocarbons in the dog and *rabbit* after **inhalation.** 023663
Metabolic inhibition and adrenoceptor **interconversion** *[Rabbits].* 023262
The effect of anoxia on the ventricular fibrillation threshold in the *rabbit* **isolated** heart. 023330
Effects of temperature on the responses to noradrenaline, isoprenaline and histamine on **isolated** *rabbit* mesenteric artery. 023408
Steroid production by the **isolated** *rabbit* ovarian follicle. 024127
Demonstration of gap junctions by lanthanum in the vitamin A acid-treated skin tumor, **Keratoacanthoma** *[Rabbits].* 024838
The effect of massive transplacental iron **loading** *[Rabbits].* 025001
Metabolism of environmental pollutants by the isolated perfused **lung** *[Rabbits].* 030890
Metabolism of arginine and ornithine in the cow and *rabbit* **mammary** tissue. 023509
Preovulatory and ovulatory mechanisms in oocyte **maturation** *[Rabbits].* 024125
What *rabbit* **[meat]** sells the best? Analysis of consumer behavior. 021596
Prospects for the intensification of *rabbit* **meat** production. 023092
Fine structure of Encephalitozoon cuniculi from *rabbits,* **mice** and hamsters. 024613
Suppurative mandibular osteomyelitis associated with Pasteurella **multocida** in a *rabbit.* 024782
Effects of metiamide on distribution of 14C[carbon isotope]-histamine in aortic smooth **muscle** *[Rabbits].* 023261
Structural studies on *rabbit* **muscle** glycogen synthase. I. Subunit composition. 023489
Structural studies on *rabbit* **muscle** glycogen synthase. II. Limited proteolysis. 023490
Effect of cross-reinnervation on physiological parameters and on properties of myosin and sarcoplasmic reticulum of fast and slow **muscles** of the *rabbit.* 023527
Adrenergic drug-receptor interaction in the presence of strontium (Sr++) in mammalian **myocardium** *[Rabbits].* 023254
The role of polymorphonuclear leucocytes in the autologous phase of nephrotoxic **nephritis** *[Rabbits].* 023373
Spontaneous transformation of the enteropathogenis Escherichia coli serotype O149:K91:K-88ac:H10 into the enteropathogenic serotype **O138:K81** *[Rabbits].* 024415
Nature of the stimulus of the copulation-induced rise in lactic dehydrogenase activity in the *rabbit* **oviduct.** 024123
Reduced sperm motility in the isthmus of the *rabbit* **oviduct.** 024158
The influence of temperature on potentiation phenomena in *rabbit* **papillary** muscle. 023684
Inactivation of *rabbit,* **pig,** and carp adenylate kinases by N6-o- and p-fluorobenzoyladenosine 5'-triphosphates. 023298
A study of the action of the cationic proteins from *rabbit* **polymorphonuclear** leucocytes on the staphylococcal cell membrane [Staphylococcus aureus]. 023316
Comparative characteristics of primary domestic breeds of *rabbits* in the **production** of broilers. 024245
Programmed *rabbit* rearing. 023158
Stability of myofibrillar EDTA-ATPase [ethylendiamine tetraacetic acid-adeninetriphosphatase] in *rabbit* **psoas** fiber bundles [Meat quality]. 022664
Relative pre- and postsynaptic potencies of alpha-adrenoceptor agonists in the *rabbit* **pulmonary** artery. 023597
Differences due to species, sex and pregnancy in microsomal induction by diphenylhydantoin in *rabbits* and **rats.** 023256
Suturable gastrointestinal cannulas for animals of various sizes *[Rabbits,* **rats,** dogs]. 023474
Correlation between ultrastructure and histochemistry of mammalian intrafusal muscle fibres [Cats, *rabbits,* **rats].** 023548
Muscle formation de novo under the transplantation of muscles treated by trypan blue *[Rabbits,* **rats].** 023603
Prostaglandin synthesis in *rabbit* **renal** medulla. 023583
Purification and physical properties of homogeneous initiation factor MP from *rabbit* **reticulocytes.** 023485
A note on the clinical trial with "Lazin-Veterinary" in sarcoptic mange [Sarcoptes **scabiei]** in *rabbits.* 029019
Chymodein, a duodenal peptide: specific stimulation of chymotrypsinogen **secretion** *[Rabbits].* 023202
Effects of bromocriptine on milk **secretion** in the *rabbit.* 023515
The effect of white-tailed deer and **showshoe** *hare* browsing on trees and shrubs in northern Minnesota [Injuries]. 025060
Immunosuppression in *rabbits:* **skin** and kidney allografts. 024340
Electrogenic sodium pumping in *rabbit* **small** intestinal smooth muscle. 023211
A scanning electron microscopic study of *rabbit* **spermatozoa** in the female reproductive tract following coitus. 024054
Studies on the distribution of antigenic sites on the surface of *rabbit* **spermatozoa.** 024098
Compositional studies of myofibrils from a *rabbit* **striated** muscle. 023492
Membrane potential changes induced by 5-hydroxytryptamine in the *rabbit* **superior** cervical ganglion. 023327
Norepinephrine release from nerve terminals within the *rabbit* **superior** cervical ganglion. 023596
Some physiological and pharmalogical characteristics of the stimulus induced release of norepinephrine from the *rabbit* **superior** cervical ganglion. 023598
Estimating digestible energy from chemical analyses [Feeds, sheep, **swine,** *rabbits].* 023860
Immunization against Aujeszky's disease with an inactivatedvirus in oil excipient *[Rabbits,* **swine].** 024682
In vivo studies of the site of fatty acid **synthesis** in the *rabbit.* 023448
Total cardiopulmonary bypass in the *rabbit.* **Techniques** and action of pulsatile perfusion pressure frequency on the hemodynamic parameters. 023559
Experimental keratoplasty in dogs and *rabbits* **[Transplant** of the cornea]. 024322
Vasomotor inhibition in *rabbits* by **vagal** nonmedullated fibers from cardiopulmonary area. 023228
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies **virus** *[Rabbits].* 024423
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the male **weanling** *rabbit.* 022201
Abortive rabies in *rabbits* and **white** rats infected intracerebrally. 024418

RABIES

Abortive *rabies* in rabbits and white rats infected intracerebrally. 024418
Effect of cyclophosphamide on *rabies* **infection** in mice. Protection given by serotherapy. 024494
Epidemiology, socioeconomic importance and control of *rabies* in **Italy.** 024748
Characteristics and epidemiological scope of various *rabies* **strains** and serologically related viruses. 024700
Suckling-mouse-brain *rabies* vaccine (SMBV): duration of immunity in dogs. 024781
Plaque assay of *rabies* **virus** on porcine kidney cell monolayers. 024592

RACE

Establishment of new sources of resistance to the groups of *races* of **barley** pollen smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. 026166
The lichen Dimelaena oreina in east-central Asia, with notes on its typification and **chemical** *races.* 025605
Chemical *races* of Dimelaena oreina (Ach.) Norm. With special regard to behavior in Central Europe (Lichenes, Physciaceae). 026420
Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The **chromosome** *races* and their structural and evolutionary relationships. 029300
The *racial* **composition** of the pathogen of stem rust of oats, Puccinia **graminis** Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Light-stimulated toxin production in Helminthosporium maydis, *race* T, **cultures** [Southern corn leaf blight]. 027919
Racial **discrimination** [Honeybees, colonies]. 029749
Ecogeographic *races* of Lesquerella engelmannii (Cruciferae): distribution, chromosome numbers, and taxonomy. 025633
An outbreak of equine infectious anemia in the **Himeji** *Race* Track and its control. 024484
Host *race* formation among sympatric apple, walnut, and plum populations of the codling moth, Laspeyresia pomonella. 028817
A **new** *race* of Drechslera turcica on maize in New South Wales. 027866
Pathogenic *races* of potato wart [Synchytrium endobioticum (Schilb.) Perc.] and their virulence. 028019
Physiologic *races* of oat crown [Puccinia coronata avenae] and stem rust [Puccinia graminis avenae] in Italy, 1974. 027938
Ontogenetic predisposition of tomato foliage to *race* O of **Phytophthora** infestans [Late blight]. 028058
Peculiarities of wheat stem rust [Puccinia graminis] *races* **prevailing** in the Georgian SSR. 028020
Specimens of spring wheat [varieties] resistant to *races* of **stem** and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. 026261
The status of **"tomato"** *races* of Phytophthora infestans [Late blight]. 028031

RADIAL

Mechanical inhibition of hypocotyl elongation **induces** *radial* enlargement [in soybean seedlings]; implications for cytokinin action. 027024
Autonomous pigment movement in the *radial* **pupil** of locust ocelli [Valanga nigricornis, Austracorus guttulosa]. 029453
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a *radial* **temperature** gradient [Dried fish pest]. 028973

RADIANT

Spectral *radiant* power of lamps used in horticulture. 030148

RADIATION

Radiation **absorption** of canopy rows [in a greenhouse climate]. 029882
Adaptive *radiation* in the subgenus Scaptodrosophila of Australian Drosophila. 029642
Lead-210 [isotope] assay in soil and plant material using **Cerenkov** *radiation* [Pollution]. 030821
Effect of high altitude **cosmic** *radiation* on desmids [Algae]. 026866
Radiation-induction of **fractional** mutations in Drosophila. 029450
Extending the shelf-life of cultivated mushrooms by **gamma** *radiation.* 022901
The use of **gamma** *radiation* for killing the Trichina larvae in nham and pork. 024680

Display of two reaction patterns after exposure of barley seeds to **gamma** *radiation* of 60Co [cobalt isotope] in air. 026916
Effects of **gamma** *radiation* on the egg stage of the southern cowpea weevil, Callosobruchus maculatus F. 028895
Heat *radiation* from a glasshouse crop canopy at night. 029878
Possibilities and problems of **introducing** *radiation* preservation of foodstuffs in Uruguay. 022474
Analysis of inheritance of the sensitivity of yeast [Saccharomyces cerevisiae] to *radiation* and **nitrous** acid. 026283
The effect of *radiation* on **processing** of nuclear RNA and chromatin ribonulcease activity in rat liver and thymus. 023450
X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of *radiation* **sensitivity** to pronuclear chromosome structure. 029302
Solar *radiation* at Geneva, New York—variations in intensity and duration 1964-1973. 021140
The use of animal data in derivation of *[radiation]* **standards.** 024958
Better chances in controlling sleeping sickness: *radiation* **sterilization** of tsetse flies [Glossina]. 029074
Radiation **studies** on Azotobacter chroococcum [soil bacteria]. III. Photoreactivation and mutagenicity. 030392
Radiation **studies** on Azotobacter chroococcum [soil bacteria]. IV. Effect of a temporary block of DNA replication on excision repair. 030393
Association of pink albino seedlings with a *radiation-induced* **translocation** of cucumber. 026118

RADICALS

Radicals on the **farm** in California. 021076
Some properties of the ascorbate **free** *radical.* 022047
Free *radical* formation in the antioxidant ethoxyquin [used in food processing]. 022510
Bleaching cellulose. I. A **free** *radical* mechanism. 022839
Inter-and intramolecular effects of tyrosyl residues on flavin triplets and *radicals* as **investigated** by flash photolysis [Flavoproteins]. 022195

RADICLES

Comparison of ultrastructural localization of acid phosphatasic activity in Allium cepa L. (Liliaceae) [onions] *radicles,* **developed** at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224

RADIO

Turnover of plasma oleic acid measured by *radio-gas* **chromatography.** 023413
Radio **communications** in mosquito control—1974. 029065
Principles and application of *radio-frequency* **energy** to food preservation with particular reference to concentration and dehydration. 022460
Milk ejection in the rat: reversible blockade of hypothalamo-neurophypophysial and sympathetico-adrenal pathways by *radio-* **frequency** currents. 023519
Radio **gas** chromatographic analysis of volatile aldehydes originating from soybean and oat lipoxygenase linoleic acid oxidation. 022850

RADIOACTIVITY

Metabolism of *radioactive* **antheridiol** by Achlya species [Water molds]. 026379
Identification of *radioactive* **17beta-estradiol-17-beta-D-glucuronide** and 17alpha-estradiol-17-beta-D-glucuronide in the urine of the domestic fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
Comparative studies on the photosynthesis of higher plants. V. Differences in the rate of sugar formation from *radioactive* **compounds** among C4 [acid decarbonylation]-plants. 026833
Mating in Chlamydomonas: a system for the study of specificcell adhesion. II. A *radioactive* **flagella-binding** assay forquantitation of adhesion [Algae]. 026021
Toxicology of *non-radioactive* **heavy** metals and their salts [Nutritional and toxic effects on animals]. 024951
The control of the function of the thyroid gland by means of *radioactive* **iodine** in the toxocological investigation of foreign substances [Rats]. 024984
Effectiveness of different methods of preparing seedlings of cereals under sterile conditions for investigations of nucleic acids using *radioactive* **precursors.** 026874

RADIOCARBON

Dendrochronology, *radiocarbon,* **palynology** at Colosseum. 025705

RADIOGRAPHY

Radiography of the **alimentary** canal of the horse. 024330
The radius and ulna **[Dogs,** *radiography].* 024313
Radiographic **examination** of the equine back case [Horses]. 024329
Lameness in cattle: a survey of 102 cases including history, clinical and *radiographic* **findings,** prognosis and treatment. 024301
Radiographic **interpretation:** the urinary system [Dogs]. 024343

RADIOISOTOPES

Radioisotope **techniques** in delineation of the environmental behavior of cadmium. 030885

RADIOLOGY

Notions of **cardiac** *radiology* [Dogs]. 024350

RADIONUCLIDES

Long-lived *radionuclides* in food: 90Sr and 137Cs [strontium and cesium isotopes] in the Israel diet. 021875

RADIOSENSITIVITY

The *radiosensitivity* of **cells** in various phases of the mitotic cycle in Crepis capillaris L. seedlings. 026288

RADISHES

Sterol compounds from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles [Potatoes, *radishes,* **beans,** cauliflower]. 027235
Best *radish* varieties for plastic greenhouses [Yields]. 027776
Heritability and genetic advance for root and fruit **characters** in *radish.* 026184
Development and intracellular distribution of enzymes of the oxidative pentose phosphate cycle in *radish* **cotyledons.** 027266
Effect of strong shock waves on dicotyledon seeds [Turnip, Anethum graveolens, **cucumber,** *radishes].* 027166
Annotated bibliography on the storage of root vegetables (beetroot, parsnips, *radishes,* **swedes,** turnips), 1968-1974. 022963

RAFFINOSE

Degradation of *raffinose* and **stachyose** in soybean milk by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within polyacrylamide gel. 022781

RAGWORT

Ragwort **[Senecio** jacobaea] control in grassland—an alternative strategy. 028486
Controlling **tansy** *ragwort* [Senecio jacobaea, biological control with cinnabar moth]. 028516

RAILROADS

Types of *railroad* **centers** for receiving sugarbeets in transit. 022827
Arsenical diffusion treatment of Eucalyptus **diversicolor** *rail* sleepers. 025361

RAIN

Canopy lichens with blue-green algae: a nitrogen source in a **Colombian** *rain* forest. 025894
Six years of measurements of wall wetting by **driving** *rains* in Braunschweig-Volkenrode [Agricultural structures]. 029944
Australian grains stage rally as *rains* **finally** arrive [Exports]. 021520
Erosion losses from Hawaii soils under **simulated** *rainfall.* 030604
A *rainfall* **simulator** for pesticide leaching studies. 029183
Structure and climate in **tropical** *rain* forest. 025864
Study of soil clays from different sources of alluvial parent materials under **varying** *rainfall* conditions. 030321

RAINBOW

Feeding experiments with *rainbow* **trouts** using Camembert andRoquefort starters [to test their potential toxicity]. 021945

RAMBOUILLET

The ovulation rate of Finnish Landrace X *Rambouillet* **ewes.** 024198

RAMS

The fertility of **deep-frozen** *ram* semen supplemented with PGF2alpha [Prostaglandin F2alpha]. 023970
The significance of seasonal changes in the size of the testis and the diameter of the **epididymis** in *rams.* 024276
A note on the incidence of acute **laminitis** in *rams.* 024846
Materials on Acaridae, the parasites of **mountain** *rams* and wild hoofed animals of Badkhyz. 029020
Distribution of hyaluronidase in the *ram* **spermatozoon.** 024116

RANGELAND

Snow management on eastern **Montana** *rangelands.* 030707
Effect of liman irrigation [snowmelt runoff] on soil moisture content and **productivity** of *rangelands.* 030761
Factors influencing infiltration and sediment production of **semiarid** *rangelands* in Nevada. 027566

RANGES

Know your sagebrush **[Artemisia]**—and better your *range.* 028594
Back home on the *range:* **calf,** grass-fed beef. 022309
Foraging *range* of the Indian honeybee [Apis cerana indica]. 029816
Four new species of plants endemic in the Macdonnell and George **Gill** *Ranges,* Central Australia [Portulaca filsonii, Euphorbia sarcostemmoides, Ricinocarpos gloria-medii, Leucopogon sonderensis]. 025753
Further studies about the **host** *range* of sharka (plum pox) virus. 028179
Host *range* and properties of tobacco stunt virus. 028229
Examinations concerning the *range* of **host** plants of the plum pox virus (PPV). 028290
A complete forage plan for Wisconsin livestock *[Range* **management,** beef cattle]. 027346
The questionable Nevada Report? *[Range* **management** policies]. 027486
Value of public land to the ranch forage system *[Range* **management].** 027488
New Bluestems [Agropyron smithi] from the Old World *[Range* **management].** 027497
Fourwing saltbush [Atriplex canescens] for land rehabilitation in Iran and Utah *[Range* **management].** 027556
Prescribed burning—effective control of sagebrush and open juniper [Artemisia, Juniperus, *range* **management].** 028595
Chromosome numbers of certain species of flowering plants in the flora of the Aragats **Mountain** *Range* [Cytotaxonomy]. 025690
Host-range **mutant** of fowl plague virus (FPV): comparison of the genome and virus proteins. 024765
The mass diffusion of three organophosphate insecticides into a *range* of **New** Zealand soils. 029160
Nutrient content of mule deer diets [Forage] from **ponderosapine** *range.* 026987
Ultrasonic double technique as a diagnostic aid in veterinary gynecology and obstetrics with special regard to new techniques and its **resulting** *range* of utilization in clinic and practice. 024231
Roundup of *ranges.* 022322
The in vitro sensitivity of some species of Chlorophyceae [Algae] to a **selected** *range* of herbicides. 028604
The sensitivity of two arable lands to compaction; a contribution to the behavior of soils under a vertical load in a *range* of **soil** suction up to pF 2.7. 030260
Examination of irrigation equipmentes with *large-range* **sprinklers.** 030097
Wear character of piston rings of tractor engines of **unified** *range.* 030003

RANUNCULACEAE

The floral morphology of Barneoudia **Gay** *(Ranunculaceae).* 025960
Reproductive biology of Pulsatilla **patens** *(Ranunculaceae).* 026358
The pollination ecology of Delphinium **tricorne** *(Ranunculaceae).* 026356

RANUNCULUS

New taxa of the *Ranunculus* **auricomus** complex in Finland. III. 025578
Isolation, culture and regeneration into plants of *Ranunculus* **sceleratus** L. leaf protoplasts. 026799

RAPE

Prevalence of oosporesof Albugo cruciferarum in Brassica **[bird** *rape]* seed samples from western Canada, 1967-73. 027932
Yield and morphological response of *rape* **(Brassica** campestris L. cv. Span) to irrigation and fertilizer treatments. 027385
Stomatal frequency and **distribution** in *rape.* 025997
Is is necessary to fertilize with sulfur? *[Rape,* **mustard** yields]. 030549
A class of lectins present in the tissues of seed plants [Leeks, *rape,* **pigeon** peas]. 026386
The tolerance of oil **seed** *rape* to herbicides. 027039
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, *rape,* **sesame,** cotton, cowpeas]. 022787
Biological bases [growth, flowering] for applied biological control of **winter** *rape.* 027057
Wintering of new first-class varieties of **winter** *rape.* 027059
The herbicides Treflan [trifluralin] and Lasso in **winter** *rape.* 028591

RAPESEED

Effects of glucocorticoid administration on the deposition of fat in the cardiac lipids of rats **fed** *rapeseed* oil. 022181
Determination of hull percentage of *rapeseed* by **germinating** it on a solid substrate. 022830
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of rats fed with *rapeseed* or **groundnut** oil. 022144
Influence of glucosinolates and high-molecular factors on the nutritional value of **low-glucosinolate** *rapeseed* meal. 022147
Aspects and problems of animal nutrition: investigations and reflections on the use of *rapeseed* **meal.** 023925
Aspects and problems of animal nutrition: investigations and reflections on the use of *rapeseed* **meal.** 023926
Studies on the effects of various adsorbents on the constituents of vegetable oil *[Rapeseed,* **sunflowers].** 022809

RAPHIDIA

Raphidia **(Mongoloraphidia)** mirabilis n. Sp.—a new camel pest from Tadzhikistan. 029586

RAPHIDIOPTERA

Raphidioptera **larvae** as soil dwellers (Insecta, Neuropteroidea) (with descriptions of larvae of Ornatoraphidia, Parvoraphidia and Superboraphidia). 029510

RASPBERRIES

Seasonal fluctuations in ascospore concentrations of Didymella applanata in relation to *raspberry* **blur** blight incidence. 027901

Strawberry-raspberry-grape **varieties** for Minnesota. 027732

RATIONS

Preliminary study on using IS 8719 sorghum grain in **broiler** *rations.* 023842
Feeding value of hardwood sawdust in dairy **[cattle]** *rations.* 023694
Utilization of sugarcane leaf and poultry manure in beef **cattle** *rations.* 023846
Study of returns obtained from using liquid brewer's yeast as a feed supplement to **chicken** *rations* [Costs]. 021438
Comparative study of *rations* **containing** glutinous broken rice and non-glutinous broken rice in swine growing-finishing rations. 023835
High moisture, acid-treated opaque-2, waxy and dent **corn** *rations* for growing-finishing pigs. 023893
High **crude-fiber** *rations* for finishing cattle. 023719
Silage in **dairy** *rations.* 023933
Ammonium sulfate in low and high **energy** *rations* for sheep. 023737
Productivity of young cattle fed a *ration* **enriched** with Propiovit [Costs, returns]. 023963
Effective utilization of feed beans in *rations* of **fattened** swine. 023795
Effect of energy level of the *ration* on **fatty** liver in cage layer hens. 023773
On the use of enzyme preparations in livestock **feed** *rations.* 023796
Full *ration* **feed** mixtures with different nutritive value in fattening young Italian White geese. 023808
Use of soybeans in the **feed** *rations* of lactating cows. 023943
Effect on subsequent feedlot performance of rotating or withdrawing dietary antibiotics from swine growing and **finishing** *rations.* 023762
Studies on the eructation mechanims in the sheep. III. The composition of the eructated rumen **gases** with different *rations.* 024255
Comparative study of rations containing glutinous broken rice and non-glutinous broken rice in swine **growing-finishing** *rations.* 023835
Some notes on using low level of good grade-fishmeal with non-glutinous broken rice and glutinous broken rice in swine **growing-finishing** *rations.* 023843
Effects of various energy protein ratios in *rations* on **growth** and feed conversion of broilers. 023837
Evaluation of wheat straw in feeder **lamb** *rations.* 023862
Utilization of poultry manure in *rations* for **lambs.** 023691
Value of crushed coral as a source of calcium in **layer** *rations* [Chickens]. 023879
Planning **low-roughage** *rations* [Cattle]. 023727
Feeding corn silage plus manure from caged layers or dairy cows as total **mixed** *rations* for dairy heifers. 023819
The addition of citric acid to **piglet** *rations.* 023966
Effects of *ration* **protein** level and diethylstilbestrol implants on early-weaned beef bulls. 023763
Non-protein nitrogen as an alternative nitrogen source [in **ruminant** *rations].* 023849
The use of processed straw in *rations* for **ruminants.** 023853
Effect of zinc level in *rations* on **sperm** production of bulls. 024263
Analysis of basic **strength** *rations* of the threshing process [Equipment]. 029989
Pig starter *[ration]* **studies.** 023897
A comparison of least cost **swine** *rations.* 023882
Level of lysine in corn-soybean meal growing-finishing **[swine]** *rations.* 023894
Selenium retention as affected by iron oxide in the premix **[Swine** *rations].* 023900
Use of oats and animal fat in **swine** *rations.* 023903
Meal from tannery wastes in **swine** *rations.* 023958
The use of uniform honeybee [Apis mellifera] colonies to evaluate supplementary **test** *rations* for the stimulation of brood rearing. 029833

RATOON

Effects of fertilizers on fruit length and yield of *ratoon* **Smooth** Cayenne pineapple crop in Sierra Leone. 030396

RATS

Subcellular localization of gamma-aminobutyrate transaminase and glutamate dehydrogenase in **adult** *rat* brain. Evidence for at least two small glutamate compartments in brain. 023289
Comparative studies of cortisol complexes formed with cytosol proteins from embryonic chicken (Gallus domesticus) and **adult** *rat* (Rattus rattus) liver. 023447
Effect of supplementation of some essential amino acids on free amino acids in blood and liver of **albino** *rats* fed different pulse proteins. 022108
Effects of hypoxia of 10-45 seconds duration on energy metabolism in the cerebral cortex of unanesthetized and **anesthetized** *rats.* 023184
Effects of ochratoxin A on carbohydrate metabolism in *rats* **[Aspergillus** ochraceus]. 024959
Cardiac structure and function in vitamin **B-12-deprived** *rats.* 022135
Metabolic behaviour of water-soluble fluorescent whitening agents in the *rat* and **bean** plant. 023389
Control of *rats* in **cacao** storehouses. 022415
The effects of lysergic acid diethylamide on the response to field stimulaton of the rat vas deferens and the *rat* and **cat** anococcygeus muscles. 023333
Mixed infection with Paragonimus miyazakii and other species in an experimental host [Dogs, **cats,** *rats].* 024623
The effect of convulsions induced by flurothyl on ribonucleic acid synthesis in *rat* **cerebral** cortex during the recovery phase. 023291
Effect of glucose and Fructose in the protein-repletion diet fed after protein-depletion on some blood **constituents** of *rats.* 021993
Sex differences in susceptibility to experimental induction of pantothenic acid **deficiency** in *rats.* 022106
Nickel **deficiency** in *rats.* 022141
Changes in cellular composition during magnesium **deficiency** *[Rats].* 024822
Effect of magnesium deficiency on responsiveness to 1-25 dihydroxycholecalciferol injection in vitamin D **deficient** *rats.* 022063
Effect of sucrose on recovery of serum albumin concentrations of proteins **deficient** *rats* to normal. 022180
Feeding induced by intracerebroventricular **2-deoxy-d-glucose** in the *rat.* 023213
Elongation of fatty acids by mocrosomal fractions from the brain of the **developing** *rat.* 023276
Short-chain fatty acid synthases in brain. Subcellular localization and changes during **development** *[Rats].* 023286
Bone resorbing activities of 24-hydroxy stereoisomers of 24hydroxyvitain D3 and 24, **25-dihydroxyvitamin** D3 *[Rats].* 023270
Suturable gastrointestinal cannulas for animals of various sizes [Rabbits, *rats,* **dogs].** 023474
Free amino acids in the amniotic fluid of different types of placenta [Cattle, **dogs,** *rats].* 024251
Unusual cytoplasmic inclusion body in neural tube cells of *rat* **early** embryo: a phagocytotic vesicle? 023244
Nutritive studies on the utilization of beta-carotene in *rats.* 1. **Effects** of hydrolyzed iodinated-casein on the conversion of beta-carotene into vitamin A. 023718
The role of calcium ions in fertilization of mouse and *rat* **eggs** in vitro. 024131
Regional blood flow in *rats* **exposed** to supralethal doses of whole body X-irradiation. 023639
Increased sensitivity to pentobarbital in *rats* **fed** a diet lacking flavonoids. 022084
Hepatic nicrosomal enzyme induction in *rats* **fed** varietal cauliflower leaves. 022138
Effects of chronic ethanol intake on metabolic conversions of 14C [carbon isotope] erucic acid by the livers of *rats* **fed** with rapeseed or groundnut oil. 022144
Effects of dietary triglyceride on the properties and lipid composition of plasma lipoproteins: acute experiments in *rats* **fed** safflower oil. 022151
Effects of glucocorticoid administration on the deposition of fat in the cardiac lipids of *rats* **fed** rapeseed oil. 022181
Gastrointestinal gas production in *rats* **fed** on diets containing germinated legumes [Green-gram, chickpea and cowpea]. 022183
Inducibility of mucosal drug-metabolizing enzymes of *rats* **fed** on a cholesterol-rich diet by polychlorinated biphenyl, 3methylcholanthrene and phenobarbitone. 022194
Primary liver carcinogenesis in *rats* after **feeding** with the pesticide, 2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulphite (Aramite). 029090
Control of **field** *rats.* 028358
Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, vitamin E, and fatty acids **[Gerbils,** *rats].* 022133
A comparison of vitreous and soft endosperm high-lysine and common maize in diets for **growing** *rats* and pigs. 023755
The response of **growing** *rats* to a diet supplemented with the antibiotic ampicillin. 023786
Interactions of dietary iron and manganese in **growing** *rats.* 023953
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and lipid peroxidation in young **growing** *rats* during the treatment of insecticides. 024944
Stimulation of albumin synthesis by amino acids following partial **hepatectomy** in the *rat.* 022009
Renal responses of the **hypophysectomized** *rat* to infusions of bovine growth hormone. 023520
How is luteinizing hormone released in response to electrochemical stimulation of the **hypothalamus?** *[Rats].* 023517
Emergence of overt diabetes in offspring of *rats* with **induced** latent diabetes. 022161
The effect of iodine deficiency on thyroid function in the **infant** *rat.* 022163
Characteristic features of actinomycin D-induced paw **inflammation** of the *rat.* 024311
Some histochemical aspects of the carrageenin induced **inflammation** *[Rats].* 024814
Aspects of ketogenesis: control and mechanism of ketone-body formation in **isolated** *rat-liver* mitochondria. 023589
Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]choleragen and [14C]bovine serum albumin in the *rat* **jejunum.** 024571
Milk secretory response of the conscious **lactating** *rat* following intravenous injections of rat prolactin. 023510
The effects of dietary calcium and phosphorus on the retention and excretion of **lead** in *rats.* 022059
Influence of carbohydrate-free protein-rich diet on free alpha-amino nitrogen changes in plasma, erythrocytes and **leucocytes** *[Rats].* 022172
Diuretic effect of an extract from the roots of Phytolacca dodecandra **l'Herit** in the *rat.* 023273
Effects of low and high protein diets on the induction of microsomal drug-metabolizing enzymes in *rat* **liver.** 022136
Effect of dietary amino acid imbalance on *rat* **liver** protein and DNA. 022202
The effect of radiation on processing of nuclear RNA and chromatin ribonulcease activity in *rat* **liver** and thymus. 023450
The localization of retinol-binding protein in *rat* **liver** by immunofluorescence microscopy. 023503
An alkyl etherase in *rat* **liver.** 023544
Relations between the changes of the phagocytic activity of the reticuloendothelial system and the alterations in protein and nucleic acids contents of the *rat* **liver.** 023558
The behaviour of deoxyribonucleases of *rat* **liver** in the course of diethylnitrosamine-induced carcinogenesis. 025007
Some effects of lindane on the microsomal enzymes of the *rat* **liver** [Pesticides, toxicity]. 029100
Chromosome aberrations induced in *rat* **lymphocytes** by N-nitroso compounds as a possible basis for carcinogen screening. 021955
Calcium kinetics in the Solanum **malacoxylon-treated** *rat.* 022134
Presence of sex pheromone in preputial glands of **male** *rats.* 024109
Chromosomal aberrations in **malnutrition** *[Rats].* 022158
Effect of maternal sucrose intake on the metabolic patterns of **mature** *rat* progeny. 021998
Effects of quantity and quality of dietary protein and variation in certain enzyme activities on glucose **metabolism** in the *rat.* 022137
Experimental studies on the absorption of zinc from different parts of the small intestine and various Zn compounds *[Rats,* **metabolism].** 023601
Development of Angiostrongylus cantonensis in *rats,* **mice** and guinea pigs. 024620
Some aspects of fatty acid oxidation in isolated fat-cell **mitochondria** from *rat.* 023287
Effect of linoleic acid on oxidative phosphorylation in **mitochondria** in *rats.* 023677
Synthesis of brain-specific acidic proteins in *rat* and **mouse** cerebral slices. 023190
Growth hormone, cyclic nucleotides and the rapid control of translation in heart **muscle** *[Rats].* 023280
Influence of urethane and pentobarbitone on stimulus secretion coupling in the **neurohypophysis** *[Rats].* 023518
The induction and the oncogenic mechanism of urinary bladder cancer in *rats* with **N-[4-(5-nitro-2-furyl)-2-tahiazolyl]** formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of urinary bladder cancer in *rats* with **N-[4-(5-nitro-2-furyl)-2-thiazolyl]** formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Metabolic and histopathologic changes in arteriosclerotic versus **nonarteriosclerotic** *rats* following isoproterenol-induced myocardial infarction with superimposed diabetes. 022162
Hepatoma, host liver, and **normal** *rat* liver phospholipids as affected by diet. 022152
Intestinal lipid absorption: evidence for an intrinsic defect of chylomicron secretion by **normal** *rat* distal intestine. 022153
Calcium distribution in islets of Langerhans: a study of calcium concentrations and of calcium accumulation in B cell **organelles** *[Rats].* 023501
Distribution and metabolism of thiamine disulfide in *rat* **organs.** 022211
Gonadotrophin and steroid levels around the time of first **ovulation** in the *rat.* 024106
Effects of unilateral ovariectomy on parturition and post-partum **ovulation** in the *rats.* 024139
Effects of some nutritional deficiences on **parturition** in *rats.* 024114
Waxy vs normal barley in *rat* and **pig** diets. 023868
Metabolic and behavioral consequences of a short period of malnutrition in the neonatal life of the *rat* and **pig.** 024880
A study of the embryotoxicity of the food colour **Ponceau** 4R in *rats.* 021976
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the **pregnant** *rat.* 023281
Suppression of immune responses to sheep red cell antigens in *rats* **preimmunized** with heterophilic antigen: cellular events. 024518
Metabolic response of animals exposed to several atmospheric **pressures** *[Rats].* 023635
Milk secretory response of the conscious lactating rat following intravenous injections of *rat* **prolactin.** 023510
Preovulatory changes in the ovaries during the first spontaneous **pro-oestrus** in the *rat.* 024108
Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH [luteinizing hormone] or **prostaglandin** E2 *[Rats].* 024135
Stimulation in vitro by 1,25-dihydroxy-vitamin D3 of intestinal cell calcium uptake and calcium-bindng **protein** *[Rats].* 022205
Evidence for ceruloplasmin as a copper transport **protein** *[Rats].* 023271
Myofibrillar protein turnover and urinary Ntau-methylhistidine output. Response to dietary supply of **protein** and *energy[Rats].* 023704
Protein digestibility and lysine availability in alfalfa meal and alfalfa protein concentrate [Japanese **quail,** *rats].* 023802
Fluorocarbons and general metabolism in the *rat,* **rabbit,** and dog. 023664
Differences due to species, sex and pregnancy in microsomal induction by diphenylhydantoin in **rabbits** and *rats.* 023256

Correlation between ultrastructure and histochemistry of mammalian intrafusal muscle fibres [Cats, **rabbits,** *rats].* 023548
Muscle formation de novo under the transplantation of muscles treated by trypan blue **[Rabbits,** *rats].* 023603
Heterospermic insemination and its effect on the offspring **ratio** in *rats.* 024121
Plasma carbohydrate, insulin and hepatic enzyme levels in *rats* **refed** sucrose. 022184
Stomach and upper intestine of the *rat* in the **regulation** of food intake. 023539
The effect of chronic protein malnutrition on trans-callosal evoked **responses** in the *rat.* 022073
Milk ejection in the *rat:* **reversible** blockade of hypothalamo-neurophypophysial and sympathetico-adrenal pathways by radio- frequency currents. 023519
Metabolic studies of [75Se]selenocystine and **[75Se]selenomethionine** in the *rat.* 022057
Enzymic hydrolysis of acetylcarnitine in liver from *rats,* **sheep** and cows. 023278
A discounted least squares quadratic growth prediction model for use in 2 year toxicity **studies** *[Rats].* 024981
The immune response of *rats* to **subcutaneous** implantation with Fasciola hepatica. 024481
The control of the function of the thyroid gland by means of radioactive iodine in the toxocological investigation of foreign **substances** *[Rats].* 024984
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E **supplemented** *rats.* 022182
Renal function and intra/extravascular distribution spaces in the *rat* after **supralethal** whole-body X-irradiation. 023640
Production of *rats* in **synchronised** batches. 023132
Influence of excess vitamin E on vitamin A **toxicity** in *rats.* 024971
The effects of lysergic acid diethylamide on the response to field stimulaton of the *rat* **vas** deferens and the rat and cat anococcygeus muscles. 023333
Long-term perservation of transfecting activity of DNA isolated from *rat* **virogenic** XC cells transformed by Prague strain of Rous sarcoma virus. 024524
Metabolism and biological activity of cis-and trans-phylloquinone in the *rat* **[Vitamin** K]. 022140
Lead and active calcium transfer through the intestinal **wall** in *rats.* 025000
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of delta4-3-oxo steroids in the *rat* after **weaning** or treatment with 2-bromo-alpha-ergocryptine during lactation. 023282
Complementary and supplementary value of peanut protein to rice when fed to **weanling** *rats* [Diet]. 022178
Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the male **weanling** *rat.* 023643
Abortive rabies in rabbits and **white** *rats* infected intracerebrally. 024418

RAVINES

System of mixing tree species in reforestation of *ravine-gully* **lands** [Soil erosion control]. 025215

RAYS *see* IRRADIATION

REACTIONS

On the antigenic structure of vibrions studies by means of the **agglutination** *reaction* and fluorescent antibodies [isolated from swine]. 024413
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. II. Flagellar membranes and the **agglutination** *reaction.* 026199
Factors affecting the activity and the durability of fixed-glucoamylase [Rhizopus niveus] on polyacrylonitrile carrier resin by **amidination** *reaction.* 026533
Antigenic *cross-reactions* between immunoglobulins of some farm animals and man. 024556
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic **back** *reaction.* The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Formation of transient complexes in the glutamate dehydrogenase **catalyzed** *reaction* [Beef liver]. 023297
Some **combined** *reactions* of water at the surface of freeze dried products. 022462
Community *reactions* to odors from pulp mills: a pilot sudy in Eureka, California. 030886
Antigenic **cross** *reactions* between immunoglobulins of some farm animals and man. 024555
Lophozia incisa: a **curious** *reaction* to desiccation [Hepaticae]. 026428
Cuticular encystment: a unique and effective **defense** *reaction* by cabbage looper larvae against parasitism by Banchus flavescens (Hymenoptera: Ichneumonidae). 028815
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- **dependent** *reactions* [Calf intestines]. 023305
Haemocytic reactions in Lepidoptera pupae. Intensity of the *reaction* at **differents** regions of the pupae body of Pieris brassicae. 029267
Studies on ketene and its derivatives. LXXV. *Reaction* of **diketene** with N-benzylacetimidate and lactim ethers to give 1,6-naphthyridine derivatives [Sophora alopecuroides]. 026515
Enzyme *reaction* as indicator of pollution effects on lichens. 028326
Studies on structure and physico-chemical properties of starch. 2. *Reaction* of **epichlorohydrin** with corn starch. 022747
Formation of C- and S-nitroso compounds and their **further** *reactions* [Food]. 022509
Haemocytic *reactions* in Lepidoptera pupae. Intensity of the reaction at differents regions of the pupae body of Pieris brassicae. 029267
The *reaction* of **hair** follicles in the vicinity of full-thickness excised skin wounds in the dog. 024978
Intracytoplasmic filaments in pulmonary lymphatic endothelial cells. Fine structure and *reaction* after **heavy** meromyosin incubation [Rabbits]. 023360
Study on **host** *reaction* of some selected varieties of soybean rust [Phakopsora pachyrhizi]. 028086
Studies on the **hydrolysis** *reaction* of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of poly(vinyl alcohol-co-vinyl-sulfonic acid). 025461
Immunological signs in [livestock] helminthiasis. 2. **Hypersensibility** *reactions,* consequences and applications of immunological signs. 024704
Bacterial black spot [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the **hypersensitive** *reaction* as a means of resistance. 028127
Comparisons among isolates of Gremmeniella abietina [Pinus pests] by means of growth rate, conidia measurement, and **immunogenic** *reaction.* 027916
Stimulation and **inhibition** *reactions* in [pea] plants infected by Corynebacterium fascians (Tilford) Dowson. 028144
Reaction of **interruption** of darkness by light and growth inhibitors [Tobacco]. 026950
Lime-induced *reactions* in municipal wastewaters. 030932
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on **local** *reaction* in vaccinated animals [Buffaloes, rabbits]. 024567
The **mating** *reaction* in yeast [Saccharomyces cerevisiae]. II. Spontaneous occurrence of omnimating types. 026216
Cuticular and cortical modifications of keratinic fibers from *reaction* with **methylamine.** 022661
Reaction of **oxidized** lipids with protein. 10. Effect of protein on the autoxidation of phospholipids [Food chemistry]. 022523
Peroxidase *reactions* and orange juice quality. 022936
Precipitation *reactions* between components of plant tissue extracts [Jackbeans, kidney beans, pigeon peas]. 027123
Thermal reaction of safflower oil fatty acid methyl esters in the presence of iodine: identification of *reaction* **products.** 022813
Conversion of linoleic acid hydroperoxide by soybean lipoxygenase in the presence of guaiacol: identification of the *reaction* **products.** 026989
On the nature of *reactions* **responsible** for color behavior in red wine: a hypothesis. 022876
Study on *reaction* of **rice** to rice stem borers. 028790
Release of prostaglandins in the knee joint of the dog during local **Shwartzman-like** *reaction.* 023329
Lateral behavior of a double sheet pile wall structure **[Soil** *reaction].* 030357
Staining *reactions* of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262
The kinetics of the *reaction* between **sulfide** and sulfite in aqueous solution. 025495
Thermal *reaction* of safflower oil fatty acid methyl esters in the presence of iodine: identification of reaction products. 022813
Inoculation of Basidiomycetes into mice: **tissue** *reaction* and survival of fungi in tissues. 024649
Display of **two** *reaction* patterns after exposure of barley seeds to gamma radiation of 60Co [cobalt isotope] in air. 026916
Study on **varietal** *reaction* to root rot disease of mulberry [Morus]. 028427
Polarographic study of the *reaction* of **vitamin** K3 with thiol compounds in aqueous ethanol. 022143
Vocal *reactions* of chickens to different parameters of electrical stimulation of midbrain. 023524
Reactions of **water-soluble** fertilizer phosphates with different soils in the German Democratic Republic. 030181

REACTORS

Enzymes [Membrane **fermentors** and *reactors].* 022450

REAGENTS

Isoimmune anti-A blood **group** *reagents* in pigs. 024404

REARING

Odor emmisions from **animal** *rearing* units. 030973
Bumblebees [Bombus] as guests of the **apiculturist** *[Rearing].* 029368
Considerations with respect to the use of a system of **artificial** *rearing* for dairy calves in southern Chile. 023090
Artificial *rearing* of lambs [Reconstituted milk, feed]. 023920
Test of shortening the **biological** *rearing* time of cattle after birth by laparotomy under practice conditions. 024230
Rearing and **breeding** of European grasshoppers (Orthoptera: Saltatoria) in the laboratory. 029511
The effect of long term storage on the nutritive value of pollen for **brood** *rearing* of honeybees. 029724
The use of uniform honeybee [Apis mellifera] colonies to evaluate supplementary test rations for the stimulation of **brood** *rearing.* 029833
Live weight growth and reproducibility of breeding **bulls** *reared* with free feed consumption. 023930
Performance of cows and their **calves** *reared* as singles or twins. 023149
Effects of temperature and level of feeding during *rearing* on **carcass** and reproductive traits in pigs. 023586
Possibilities for cooperating in **cattle** *rearing.* Effects onconstruction planning, work time and capital requirement. 021300
Present and future conditions of **cattle** *rearing* in countries of the central southern part of Asia and in Brasil. 023091
Production management and **cattle** *rearing.* 023119
Management of young **chicks** *[Rearing].* 023139
Mass-rearing of **Chrysopa** carnea Steph. (Neuroptera, Chrysopidae) [Insect pests, biological control]. 028685
Nutrition of orphan marsupials *[reared* on **cow's** milk]. 022054
Rearing **dairy** herd replacements. 023088
Production of compost from refuse by *rearing* the **earthworm** Eisenia foetida (Savigny 1826). 030259
Reproductive differences between *laboratory-reared* and **field-collected** populations of the Mediterranean fruitfly, Ceratitis capitata [Insect pests, fruit]. 028821
Growth factors, of course, but **first** *rearing* conditions [Animal nutrition]. 023789
Variation in the reproductive potential of Earias fabia Stoll (Lepidoptera: Noctuidae) *reared* on whole **fruit** of okra or on its components. 029483
Rearing a **green** lacewing, Chrysopa septempunctata Wesmael [natural enemies of aphids] on pulverized drone honeybee [Apis mellifera] brood. 029258
Group *rearing* of pregnant sows [Barns]. 029921
Improved *rearing* unit for larvae of a common green lacewing [Chrysopa carnea]. 029401
Laboratory *rearing* of the Mexican bean beetle [Epilachna varivestis] and the parasite, Pediobius foveolatus, with emphasis on parasite longevity and host-parasite ratios. 028850
Host records for **Lepidoptera** *reared* in eastern North America. 028681
Effect of the *rearing* in **mountainous** regions on the productivity of beef cattle. III. Results of the fattening experiments. 023780
A modified technique for *rearing* of the **pea** aphid [Acyrthosiphon pisum] on artificial diets. 029324
Piglets *reared* from gas infrared rays. 029926
Effectiveness of *rearing* **pregnant** heifers on specialized farms [Costs]. 021456
My method of [Apis mellifera] **queen** *rearing:* adaptation of Orosi's method for manipulation in the open air by using the Phillips starter. 029714
Programmed **rabbit** *rearing.* 023158
Day-length during *rearing* and the **subsequent** egg production of meat-strain pullets [Chickens]. 023337
Research on the locality of swine farm: transportation factors in **swine** *rearing* on areas far from the market. 021470
Rearing **turnip** moth [Agrotis segetum] on a synthetic medium. 028913
Test results for *rearing* **young** cattle in open box stalls. 023134

RECAPTURE *see* CAPTIVITY

RECEIVERS

Effect of double stimulation in the *receiver-less* **method** of extraction of native turpentine. 025305

RECEPTION

Receptive **fields** of cat taste fibers. 023371
Some results of *reception* of **sugarbeets** according to sugar content at the Karabaltinsk sugar factor. 022825

RECEPTORS

Adrenergic *drug-receptor* interaction in the presence of strontium (Sr++) in mammalian myocardium [Rabbits]. 023254
Histocompatibility antigens and genetic control of the immune response in guinea pigs. II. Specific inhibition of antigen-induced lymphocyte proliferation by *anti-receptor* **alloantisera.** 024514
The role of H1 and *H2-receptors* in the **coronary** vascular response to histamine of isolated perfused hearts of guinea-pigs and rabbits. 023334
Vascular **dopamine** *receptors* in the canine hindlimb [Dogs]. 023335
Cationic dependency of high affinity prostaglandin **F2alpha** *receptors* in bovine corpus luteum cell membranes. 024037
Histamine *receptors* in peripheral vascular beds in the cat. 023325
Histamine *receptors* in the vasculature of the rabbit ear. 023594
Effect of denervation and local damage on extrajunctional **L-glutamate** *receptors* in locust muscle [Schistocerca gregaria]. 029455

Studies on the *receptors* to the **odoriferous** steroid, 5alphaandrost-16-en-3-one, in sow nasal epithelium. 023522
Spontaneous and lectin-induced redistribution of cell **surface** *receptors* on embryonic chick neural retina cells. 023502
Atypical **tryptamine** *receptors* in sheep pulmonary vein. 023321

RECESSIVE
Forestry in *recession.* 025101

RECIRCULATION *see* CIRCULATION

RECLAMATION
The analysis of losses of cultivated land on *reclaimed* **areas.** 030611
The methodology of *reclamation* and **hydrogeology** explorative investigations. 030612
A current problem—the reconstruction of **intra-farm** *hydro-reclamation* systems. 030672
Improving the scientific basis of *reclamation* [**Land** development, productivity]. 021813
Recultivation of ash deposits [**Land** *reclamation,* afforestation]. 030594
Technology of clearing farm **land** *reclaimed* from brush in the Estonian SSR. 030610
The change of the salt composition of *reclaimed* **lands** [in Azerbaijan]. 030683
Effects of three forest species on pasture soil fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis **minutiflora,** *reclamation].* 025013
Drainage—the major element of *reclamation* [in the **new** zone of the Golodnaya Step']. 030673
About certain initial provisions in choosing objects of *reclamation* **reconstruction** of fields. 030607
Possibilities of *reclamation* of **saline** and alkali soils of arid salines of Saurashtra. 030591
Alterations in the **soil** *reclamation* status of lands due to irrigation from an earth-channel irrigation network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
Reclamation of **Solonetz** soils affecting the A- and B-horizons. 030623
Problems of [land] *reclamation* and **water** management. IV. 030608

RECONNAISSANCE
The application of regional **geochemical** *reconnaissance* data in areas of arable cropping [Soil survey]. 030252

RECONSTRUCTION
A current problem—the *reconstruction* of **intra-farm** hydro-reclamation systems. 030672
A possible strategy of comparative morphology for **phylogenetic** *reconstruction* [Plants]. 025614
About certain initial provisions in choosing objects of **reclamation** *reconstruction* of fields. 030607
Prospective volume and cost of works in **reclamative** *reconstruction* of fields in the Estonian SSR. 021441

RECORDS
Direction and size discriminating **activity** *recorder* [Ceuthophilus conicaudus]. 029345
Records **aid** in reproductive management [Dairy cattle]. 024061
Efficiency of part record selection to improve **annual** *record* egg production in chickens [Genetics]. 024078
New or interesting *records* of **British** Hymenomycetes [Fungi]. VI. 025774
Collection *records* of the project "mosquitoes of Middle America." 2. Puerto Rico (PR,PRA,PRX) and Virgins Islands (VI,VIA). 029634
Record **farm** product exports to European Community in 1974. 021499
First *record* of caecal diverticula in Sagra femorata Drury. (Sagrinae: Coleoptera). 029316
The **first** *record* of Rachelia extrusa (C. And R. Felder) (Lepidoptera: Hesperiidae: Trapezitinae) in Australia. 029609
Host *records* for Lepidoptera reared in eastern North America. 028681
What is a DHI [Dairy Herd **Improvement**] *record?* 021234
Studies on milk production in cattle. II. Usefulness of partial **lactation** *records* for selection. Relations between partial, last test day and total yields. 024019
Record of **lunate** fly, Eumerus sp. (Syrphidae: Diptera) on potatoes from India. 028831
New or additional **moss** *records* from Newfoundland. 025641
Odessa sugar refining factory obtains **new** *records* [Five-Year Plan]. 021801
Black rot' [Thielaviopsis paradoxa] of pineapple—a **new** *record* from south India. 027943
A **new** *record* of stem and bulb nematode [Ditylenchus dipsaci] in Ontario [Onions]. 028347
New *records* for Zethus from Texas (Hymenoptera: Eumenidae). 029589
Additional new and **noteworthy** *records* for Hawaiian mosses. 3. 025640
Record '76 **output** should help stabilize world sugar trade. 021558
Efficiency of **part** *record* selection to improve annual record egg production in chickens [Genetics]. 024078
Record of **Plutella** xylostella Linn. [=maculipennis (Curt.)] as a new pest of amaranthus viridis in Karnataka. 028832
Soviet cotton crop ends run of *records* **[Production].** 021561
Predicting beef sire genetic values for growth traits from **progeny** *records.* 024094
New **pteridophyte** *records* in the Highlands Biological Station area, southern Appalachians [Pteridophyta]. 025673
New **state** *records* of lichens from northern California. 025642
Taxus canadensis Marsh.: a new **state** *record* for Tennessee. 025675
Record of the **transactions** of the 43rd delegate assembly of the Swiss Farmers' Union on December 17, 1974 in Kursaal Bern. 021133
Records of **two** species of Ectopsocus McLachlan (Psocoptera: Ectopsocidae) from one Tree Island, Queensland. 029608
No transport crunch yet for *record* **U.S.** Grain exports. 021550
Determination of glasshouse heat requirements from temperature and **wind** *records.* 029874
Record **world** sugar and molasses production in 1975/76. 021642

RECREATION
Leisure orientations studied in Howard **area** *[Recreation].* 021221
Landscape assessment on a regional level. Pragmatic determination of the natural suitability for *recreation* in the **Baden-Wurttemberg** Lake Constance area. 021205
How to plan a shooting field in the Northeast and Corn **Belt** *[Recreation].* 030593
Nutrition program for the elerly; two Texas projects offer meals, **companionship,** and *recreation.* 022350
Dispersed *recreation* survey in native forests near Perth, western Australia. 025157
Effect of travel constraints on the distribution of skiing in New **England** *[Recreation].* 021216
Lake Wister: impact on *recreational* [and **farm**] use from raising the conservation pool elevation. 030630
Some problems of the *recreational* use of **multipurpose** reservoirs near large cities (exemplified by Moscow). 030773
Protection of **nature** and *recreation.* 030834
Expenditures relating to land utilization in areas of tourist traffic—an examination of problematic expenditures relating to land utilization in spheres of different functions *[Recreational* use]. 021193
Tourism and *recreation* in **rural** areas. Aspects of land use planning and structural change [Bibliography]. 021161
Genesee County [Michigan] parks and *recreation* **study** [Land use]. 021215
"The noiseless zone" at the foot of the Tatry Mountains [Forests, *recreational* **uses**]. 025021

RECTUM
Diagnosing pregnancy in ewes [sheep] by *rectal* **palpation.** 024180
Temporary colostomy in the management of *rectal* **tears** in the horse [Injuries]. 024974
Rapid THI [Temperature-Humidity Index] change and *hypothalamic-rectal* **temperatures** of heifers. 023666

RECURRENT
Efficiency changes due to use of doubled-haploids in *recurrent* selection **methods** [Datura stramonium]. 026302

RECYCLE
Establishment and *recycling* of a **mermithid** nematode [Reesimermis nielseni] for the control of mosquito larvae [Anopheles crucians]. 029040
Swine waste **nutrient** *recycling* [Drinking water]. 023902
Recycling. 42. **Physical** chemistry of powdered milks. 022641

RED
Changes in mineral contents of cotyledons and young seedlings of woody angiosperms **[Acer** *rubrum,* Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310
Treatment of wounds on **Acer** *rubrum* with Trichoderma viride [caused by fungi and bacteria]. 027954
Supplying **Alaska's** *red* meat & poultry markets. 021471
Storage of *red* **alder** [Alnus rubra] chips with and without bark—treated and untreated. 025533
Evidence for a species-specific cell fusion hormone in *red* **algae** [Griffithsia]. 026818
Exposure to an environment containing the **aromatic** *red* cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, Tyrophagus putrescentiae]. 028683
Red **band** disease [Dothistroma pini] of Pinus radiata. 027940
Production of a betacyanine concentrate by fermentation of *red* **beet** juice with Candida utilis [Food colorants]. 022937
Mineralogical composition of some *red* and **black** soils of India. 030312
Effect of different rootstocks on vigour, yield and fruit quality of **blood** *red* orange (Citrus sinensis Osbeck) [Culture]. 027761
Conformational changes in spinach (Spinacia oleracea) leaves chloroplasts in vivo [when exposed to *red* or **blue** light]. 027093
About the [nature protection] plant species of Turkmenistanto be entered in the *"Red* **book** of USSR". 025554
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase [adenosine triphosphatase] in **cattle** *red* cells. 023411
Electrophoretic variation of *red* **cell** enzyme systems in farm animals. 023237
Ways of overcoming and preventing the development of resistance to acaricides in the **citrus** *red* hairy mite. 028892
A note on the fossil [Dicroidium] megafloras of the Nymboida and *Red* **Cliff** Coal Measures, southern Clarence-Moreton Basin, New South Wales. 025717
Morphological, physical and chemical features of *red* **clover,** importat for the drying process. 027042
The effect of benomyl sprays on Sclerotinia trifoliorum andyield of *red* **clover.** 027902
The selective control of grasses in *red* **clover** (Trifolium pratense) and lucerne (Medicago sativa) crops by carbetamide and propyzamide. 028606
Use of insecticides on *red* **clover** seed plants [Apion apricans, control]. 028796
First results of **cross-breeding** *Red* Holstein and Simmental catle. 024234
Crossbreeding *"Red* Holstein Friesian X German Simmental" cattle. Preliminary results from Bavaria. 024280
Barking by *red* **deer** in mountain localities. 025026
Sampling dormant apple twigs to estimate the density of eggs of the **European** *red* mite [Panonychus ulmi]. 028852
Red **ferruginous** soils of Midnapur uplands of West Bengal. 030218
Effect of weathering and parent materials on clay mineralisation: *red* **ferruginous** soils of humid tropics. 030308
Normal hematological parameters in cattle of the Central Belgian Blue, West **Flemish** *Red* and East Flemish Red Pied breeds. 023239
Red **flour** beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Occurrence of Alaria alata (Diplostomidae: Digenea) from the *red* **fox** in Hokkaido, Japan. 024624
Dependence of the quality of muscadine and *red* **grape** varieties and wines on the content of sodium salts in the soil. 022988
Influence of lime and phosphorus buildup on moisture retention characteristics of **Hebbal** *Red* loamy soils. 030592
Major and trace element analysis in *red* **imported** fire ant [Solenopsis invicta] queens by ion induced X-ray fluorescence. 029357
Histological responses of **Japanese** *red* pine [Pinus densiflora] needles exposed to sulfur dioxide [Injury]. 025037
New 1974 varieties: **Kvart** *red* clover [Yields]. 027550
Clay mineralogy of alluvial, *red* and **lateritic** soil profiles from West Bengal. 030302
Red **light** enhances the growth of Avena coleoptiles. 026873
Red **light** effect on asp-U-14C [carbon isotope] incorporation in the soluble fraction of Zea mays L. 027065
Aerial control of *red* **locusts** [Nomadacris septemfasciata]. 028680
Study of Salmonella in frozen meat (estimation of the presumptive test on **lysine-iron-cystine-neutral** *red).* 021843
Neutral *red,* special fresh stain for "corpus luteum" in insects. 029503
Wilt development in *red* **oak** [Quercus rubra] seedlings: a new system for studying oak wilt [Ceratocystis fagacearum]. 028065
Chemical composition of the hyphal wall of a toxigenic fungus, **Penicillium** *rubrum* stoll. 026646
Physiological and morphological properties of the Japanese black and *red* **pine** trees (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Undergrowth vegetation effects on the nutrient content of litterfall and soils in *red* **pine** [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897
Introduction of a **predacious** *red* wood ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925
The digestion of the lipids of **processed** *red* clover herbage by sheep. 023779
The *"red* **queen"** [Hybrid of Selenicereus and Heliocereus]. 026204
Red-far **red** reversible effect on polysome formation in the embryos of Pinus thunbergii seeds. 027337
Effect of six 4-year rotations on yield, quality, and monetary return of sugarbeets in the *Red* **River** Valley (1971-74). 027527
Irieol A and iriediol, dibromoditerpenes of a new skeletal class from *[red* **seaweed]** Laurencia. 026847
Suppression of immune responses to **sheep** *red* cell antigens in rats preimmunized with heterophilic antigen: cellular events. 024518
Red **squirrel** response to clearcut and shelterwood systems in interior Alaska. 025067
Summer phytoplankton blooms and *red* **tides** along tidal fronts in the approaches to the English channel. 026691
Action of Econazol on the fine structure of cells of **Trichophyton** *rubrum* [Fungi]. 026039
Effect of metal ions on **Trichophyton** *rubrum* culture [Fungi]. 026806
New 1974 varieties: Valaska **tufted** *red* fescue [Festuca rubra, yields]. 027549
On the nature of reactions responsible for color behavior in *red* **wine:** a hypothesis. 022876

REDPEPPERS
Application of herbicides in growing tomatoes and **bush** *redpeppers.* 028529
Carotene oxidizing factors in *redpepper* **fruits** (Capsicum annuum L.). Ascorbic acid. 022926
Attempt at hastening the ripening of the berries of **two** *redpepper* cultivars by using 2-chloroethylphosphonic acid [Growth substances]. 027117

REDUCTASES
Dihydrofolate *reductase* from bovine liver. Enzymatic and structural properties. 023393
Partial purification and some properties of **dihydrofolate** *reductase* from soybean seedlings. 026968
Partial purification and some properties of **dihydrofolate** *reductase* from soybean seedlings. 026969
Gamma-coniceine *reductase* in Conium maculatum. 026740
Effect of NADH [naphtaleneacetic acid dehydrogenase] on the activities of **nitrate** *reductase* and its inactivating enzyme [Field crops]. 026966
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of **nitrate** *reductase* and its inactivating enzyme [Wheat, barley, chickpeas, rice]. 026967
Nitrate uptake and induction of **nitrate** *reductase* in excised corn roots. 027025
Purification of NADH [nicotinamide adenine dinucleotide **phosphate**]-**nitrate** *reductase* [from Chlorella vulgaris, Algae] by affinity chromatography. 026791

REDUCTION
Studies with detached lupin root nodules in culture. I. Maintenance and induction of **acetylene** *reduction* activity [Rizobium]. 027031
Reducing **[agriculture's]** fuel costs with solar energy. 029976
Reduction of **apple** scab fungus [Venturia inaequalis] inoculum with fungicides. 028074
Keeping calves in *reduced* **cages** [Disease prevention]. 024811
Possibility of *reducing* **calving** difficulties by selection. III. A note on pelvic size in relation to body weight of cattle. 024018
Near possibility of *reducing* **cereal** grains in poultry diets-a review. 023812
Infectious bursal agent of **chickens** *reduces* the incidence of lymphoid leukosis. 024456
Exploring ways and means to *reduce* the **cost** of production ofmilk to encourage dairy farming. 021396
Crop *reduction* in pear trees caused by virus infection. 028174
Means of *reducing* **damage** to seeds due to mechanical processing [Forest trees]. 025200
U.S. Dairy trade **deficit** *reduced* in fiscal 1975 as exports gain and imports decline [Statistics]. 021515
Refolding of *reduced*, **denatured** [bovine] trypsinogen and trypsin immobilized on agarose beads. 023486
Test in view of *reducing* the **effects** of monoculture on wheat by the application of various cultural measures. 027501
Solar **energy** *reduces* costs of drying and curing crops. 029977
Effects of H2O2 [hydrogen peroxide] and *oxidation-reduction* **enzymatic** systems on the culture of some lactobacilli [Lactobacillus lactis, Lactobacillus bulgaricus]. 022625
Erosion *reduction* factors for chemically treated soils: a laboratory experiment. 030614
Reduction of **expenditures** in the dairy cattle industry. 021452
Reduction of **flowers** as a central problem in the systematics of angiosperms. 025624
Reduction of **gastric** carcinogens with ascorbic acid [Food leftovers, nitrite]. 021839
Reducing **grain** loss on the cutter of the E512 combine harvester. 030011
Reducing the **heat** requirements of a glasshouse. 029883
Determination of larval instars of Heterocampa manteo and *reduction* of **larval** head capsule size by the parasitoid Diradops bethunei [Quercus pests, biological control]. 028918
Reducing **losses** of pressure in feed transporting in vibrating tubes. 030162
Intensification and *reduction* of **material** imput capacity in cotton growing. 021402
The meliacins (limonoids): minor constituents of Khaya anthotheca: *reduction* of the **meliacins** with zinc-copper couple. 027325
Regulatory properties of *reduced* **nicotinamide-adenine** dinucleotide phosphate on a glutamate dehydrogenase from Neurospora crassa [Fungi]. 026612
Reduction of the **number** of corn borers [Pyrausta nubilalis, control, Chernovtsy Region]. 028804
Role of agronomic techniques in *reducing* the **numerical** strength of the wheat flower mite [Steneotarsonemus panshini]. 028806
Simple ways of *reducing* **odor** during the storage and application of liquid manure to arable land. 030809
A melon pickup machine for *reducing* **onerous** labor. 030140
Influence of *reducing* and **oxidating** compounds on iron accumulation and chlorophyll content in oat leaves. 026876
Reduction of **oxygen** by the electron transport chain of [spinach] chloroplasts during assimilation of carbon dioxide. 027140
Repellent additives to *reduce* **pesticide** hazards to honeybees [Apis mellifera]: laboratory testing. 029824
Photosynthetic *reduction* of nitrite gas injury to vegetables [Cucumbers, kidney beans]. 028316
Water management and noise **[pollution]** *reduction*. 030937
Determination of cereal losses during harvesting and ways of *reducing* them. 027569
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] **residues** *reduce* germination and initial root growth of ponderosa pine. 028451
Preliminary attempts to *reduce* **root** knot nematode [Meloidogyne hapla] infestations on Chinese gooseberry roots. 028424
Natural mulch or chemical conditioner for *reducing* **soil** erosion in humid tropical areas. 030616
A concept of administrative **source** *reduction* [Mosquitoes]. 029058
Reduced **sperm** motility in the isthmus of the rabbit oviduct. 024158
Soybean response to **stand** *reduction* and defoliation [Hail damage, plant recovery]. 028319
Investigation on the efficiency of the *reduction* of **submitted** samples, carried on the model of grass and leguminous seed mixtures [Quality tests]. 027414
Enhanced respiration and *reduction* of **tetracycline** binding of boar and bull spermatozoa following incubation in the female genital tract. 024145
The relationship between the ability to *reduce* **2,3,5-triphenyl** tetrazolium chloride and aroma formation in various strains of sake [rice beer] yeast [Saccharomyces cerevisiae]. 022778
Enzyme use to *reduce* **viscosity** and increase recovery of soluble solids from citrus pulp-washing operations [Oranges]. 022932
Role of antitranspirants *[reducing* **water** loss from the plant] in arid agriculture. 027417
Reducing **water** and wastewater costs. 030971
The nature of [kidney] bean **yield** *reduction* by bean yellow and bean common mosaic viruses. 028263

REDUVIIDAE
Revision of the Orthungini from the Malagasy Republic (Hemiptera, *Reduviidae*, **Emesinae)** [New taxa]. 029537
A new species of Ischnoclopius Stal [peruensis], with notes on the systematic position of the genus **(Hemiptera:** *Reduviidae).* 029650
Two new neotropical **Stenolemus** *(Reduviidae:* Emesinae) [from Bolivia and Haiti]. 029662

REDWOOD
Is **coast** *redwood* [Sequoia sempervirens] an answer to the Mangatu problem? [Silviculture]. 025219

REEDS
Life tables for the frit fly, Oscinella frit, in *reed* **canarygrass** [Phalaris] in Virginia. 028710
The development of the gall midge Lasioptera arundinis (Schiner) (Diptera, Cecidomyiidae) on the **common** *reed* (Phragmites communis Trin.). 028668

REEFS
Algal zonation in the fringing **coral** *reef* of Curacao, Netherlands Antilles, in relation to zonation of corals and gorgonians. 025865

REFINING
Refining of **animal** fats. 022653
Continuous process for the treatment with activated bleaching earth during *refining* of **aromas.** 022428
The *refined* **crystal** structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. 023534
The *refined* **crystal** structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
Odessa **sugar** *refining* factory obtains new records [Five-Year Plan]. 021801

REFLEX
The **copulation** *reflex* of the drone honeybee [Apis mellifera]. 029831

REFORESTATION
Aspects of *reforestation* in **Brazil.** 025178
Conservation and *reforestation* **closely** allied to problem of taxation. 025138
Flow irrigation with an acclimatizing **mist** *[Reforestation].* 030636
System of mixing tree species in *reforestation* of **ravine-gully** lands [Soil erosion control]. 025215
Reforestation of the **sandy** regions of the Terek-Kuma and Astrakhan. 025213
Primary directions in the reproduction of forest resources in the USSR *[Reforestation,* **silviculture].** 025212
A new procedure for strengthening and *reforestation* of **technogenic** sands. 025204
Studies on the weed [Sasa paniculata]-vegetation at the early stage of *reforestation.* I. **Vegetable** transition on Cryptomeria japonica forests planted in every year. 025203

REFRACTOMETERS
Studies on the simplification of quality evaluation of Satsuma mandarin. II. Relation between *refractometer* **value** and total sugar contents in Satsuma orange juice. 022884

REFRIGERATION
A set of *refrigerated* **greenhouses** for crop environment research-air flow problems. 029868
Lipolysis in *refrigerated* **milk.** 022597
Exposure of meat to methyl bromide during *refrigerated-store* **pest** control; residues in beef and lamb and effect on quality. 028985
Refrigeration **puts** school costs on ice. 022331
High powered low **temperature** *refrigeration* plants in industrial freeze drying. 022455

REGENERATION
Interim guide to *regeneration* of **Allegheny** hardwoods. 025255
Current planning of **forest** *regeneration* operations with the use of the ASPR sub-system [Statistical methods]. 025113
Forest *regeneration* in the Kama River region in relation to cutting systems. 025117
Summarizing the discussion on planning volumes of **forest** *regeneration* operations. 025128
Dynamics of natural **forest** *regeneration* relative to shelterwood and group-selective cutting. 025199
Forest *regeneration* in a heavily-forested area. 025207
Means of assuring **forest** *regeneration* in the Urals. 025209
On **forest** *regeneration* in the State Forest Reserves of Perm province. 025210
Spacing of undergrowth as an indicator of potential success of **forest** *regeneration* in cutover areas. 025214
Development of complex mechanization of **forest** *regeneration* in the zone of excess soil moisture. 030082
New results on anther culture of wheat (triticum aestivum L.) in vitro: conditions of *regeneration* of **haploid** plantletsand production of homozygous lines. 026919
Limb *regeneration* and apolysis in the tick, Ornithodoros tartakovskyi. 029413
Moss *regeneration* on the example of Aulacomnium palustre (Hew.) Schwaegr. 026335
Possible biochemical explanation for specific reformation of synapses between muscle and *regenerating* **motoneurones** in cockroach [Periplaneta americana]. 029459
Deterioration of aspen [Populus tremuloides] clones in the middle Rocky **Mountains** *[Regeneration].* 027344
Isolation, culture and *regeneration* into **plants** of Ranunculus sceleratus L. leaf protoplasts. 026799
Investigations on improving the fertility of aged sows. 3. Histological study of puerperal involution and *regenerative* **processes** occuring in the endometrium of sows during normal-lactation and very early weaning. 024027
Synthesis and *regeneration* of **proteins** in isolated roots of Pinus sylvestris and Picea excelsa in a sterile culture. 027322
Chemical and structural differences in mycelial and *regeneration* **walls** of Trichoderma viride [Fungi]. 026375

REGINA
Synchronization of function in the foregut of the blowfly **Phormia** *regina* (Diptera: Calliphoridae) during the crop-emptying process. 029289

REGRESSION
The effect of oestrogens alone or in association with progestagens on the formation and *regression* of the **corpus** luteum of the cyclic cow. 024003
Factors in German agricultural economy in the second half of the 19th century. Industrialization, **economic** *regressions* and structure stabilizing advances. 021232
Prostaglandin F2alpha and **luteal** *regression* in the ewe: comparison with 16 aryloxyprostaglandin (I. C. I. 80, 996). 023995
Lutela *regression* in domestic animals [Cattle]. 023990
Heritability estimates for milk yield by *daughter-dam-regression* and **problems** related to it [Cattle]. 024283

REGULATION
Possibilities of *regulation* of force **action** of carried and hung implements on the tractor. 029998
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 2. *Regulation* of the **activity.** 022424
Regulation of **activity** of glutamine synthetase from pea seeds by keto acids and AMP [adenosine-5'-monophosphate]. 027134
Results of an investigation of a system for the **automatic** *regulation* of plowing depth. 030136
Regulation of the **biosynthesis** of the macromolecules of the intercellular matrix of the cornea [Calves]. 023606
The role of butterfly wings in *regulation* of **body** temperature. 029422
The in vitro synthesis of viral protein and its *regulation* **[Brome** mosaic virus]. 028246
European Economic **Community** *regulation* with reference to the raw material in contact with food: stainless steel. 021865
Decree of the Department of Nutrition, Agriculture and Environment for the execution of the honeybee **disease** *regulation* [Apis mellifera, acarine disease, foulbrood]. 029761
Experimental study of the **endocrine** *regulation* of ovogenesis in Lithobius forficatus L. (Myriapoda, Chilopoda). Role of the pars intercerebralis. 029361
Effect of network voltage change on *regulation* of **fan** revolutions by means of changed voltage [in stables]. 029893
Regulation of **ferredoxin-catalyzed** photosynthetic phosphorylations [Chloroplasts, spinach]. 027281
Stomach and upper intestine of the rat in the *regulation* of **food** intake. 023539
On the mechanism of ketogenesis and its control: purification, kinetic mechanism and *regulation* of different **forms** of mitochondrial acetoacetyl-CoA [coenzyme A] thiolases from Ox liver. 023395
Compartmentation and *regulation* of **fungal** metabolism: genetic approaches. 026085
Antibiotic fermentation, and their *regulation* **[Fungi,** bacteria]. 026325
Genetic *regulation* of phosphate transport system II in Neurospora [crassa, fungi]. 026091

Growth *regulation* by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of spore germination. 026355
Regulation of **hepatic** gluconeogenesis in the guinea pig by fatty acids and ammonia. 023487
Hormonal *regulation* of ovalbumin synthesis in the chick oviduct. 023641
Occurrence of some enzymes in starchy endosperm and **hormonal** *regulation* of isoperoxidase in aleurone of wheat. 027026
Hormonal *regulation* of tuberization in Dahlia. 027078
Hygienic *regulation* of phosphamide application in the culture of hops [Insect pest control]. 028908
Regulation of the **ilv** 1 multifunctional gene in Saccharomyces cerevisiae [Yeasts]. 026215
Food **intake** *regulation* in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. 023716
Regulation of **mitochondrial** biogenesis: enzymatic changes in cytochrome-deficient yeast [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for **neural** *regulation* of spontaneous LH rhythms. 023599
Photoperiodic *regulation* of bulbing and maturation of Bet Alpha onions (Allium cepa L.) under decreasing daylength conditions [in Israel]. 027200
Policy followed in the matter of wter protection, quality control, **present** *regulation*. 030648
Synthesis and differentiation of plasma proteins in cultured embryonic chicken liver cells: a system for study of *regulation* of **protein** synthesis. 023624
The *regulation* of **riboflavin** synthetase synthesis by iron in flavinogenic yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400
Regulation of **seed** dormancy in Elaeagnus umbellata by endogenous growth substances. 027155
The sheep ovary: *regulation* of **steroidogenic,** haemodynamic and structural changes in the largest follicle and adjacent tissue before ovulation. 024132
Analysis of the rheological measuring methods for the *regulation* of the **sugar** crystallization process. 022858
Regulation of **sugar** transport in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
Temperature *regulation* of germination in crimson clover seeds. 027032
Regulation of **transcription** in yeast [Saccharomyces cerevisiae]. 026339
Regulation of in **vitro** mRNA transcription by a fraction of chromosmal proteins [Chickens]. 023488
The consequences of drinking **water** *regulation* on dairy industry. 021951
Light conditions and their *regulation* for **wheat** stand in high yield field. 026941

REGULATORS

Ethylene as a **critical** *regulator* of microbial activity in soil. 030213
Indole-3-acetic acid: Mass spectra and chromatographic properties of amino acid conjugates [Plant **growth** *regulators].* 026619
The effects on growth and flowering of the chemical **growth** *regulators* ethephon on Narcissus and ancymidol on tulip. 027086
Growth *regulator* levels in embryo and suspensor of Phaseolus coccineus at two stages of development [Scarlet runner beans]. 027277
The number and size of [apple] fruits in relation to rootstock type, application of **growth** *regulators,* pruning, and fruit thinning [affect bitter pit development]. 028312
Dowco 290 [3,6-dichloropicolinic acid]—a new **growth** *regulator* herbicide [Cirsium arvense, Senecio jacobaea]. 028551
Survival of hemispherical scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with insect **growth** *regulators* and insecticdes. 028853
Effects of the plant **growth** *regulator* indolebutyric acid on the growth, development, and reproduction of the western tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924
Activity and longevity of insect **growth** *regulators* against mosquitoes. 029023
Evaluation of newly synthesized insect **growth** *regulators* against Anopheles quadrimaculatus, Anopheles albimanus, and Aedes taeniorhynchus. 029041
Field observations on a promising **growth** *regulator* for mosquito larvae. 029063
Natural *regulators* of numerical strength of [cabbage insect] pests. 028910
Natural *regulators* of the numerical strength of cabbage [insect] pests. 028911
Synthesis of 4-pyridoxyacetic acid via a pyridine N-oxide derivative [**Plant** *regulators].* 026520
The development of agricltural antibiotics in Japan [**Plant** *regulators,* herbicides, insecticides, fungicides]. 026596
Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic **pressure** *regulators* of moth cell growth. 029370

REHABILITATION

New life for old [wood-frame] dwellings; **appraisal** and *rehabilitation.* 025265
Fourwing saltbush [Atriplex canescens] for **land** *rehabilitation* in Iran and Utah [Range management]. 027556

REHYDRATION *see* HYDRATION

REINDEER

A telemetric aid in establishing the cause of death in semidomesticated or wild **animals** *[Reindeer].* 024292

REINFORCEMENT

Courtship as a *reinforcement* for **key** pecking [behavior] in the pigeon, Columba livia. 023234
The effect of melamin and potato-protein as *reinforcing* **material** in the production of urea-treated plywood. 025419

RELAXATION

Plasma *relaxin* immunoactivity during the oestrous cycle of the ewe. 024124
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon isotope]magnetic **resonance** *relaxation* data [Calves]. 023301

RENAL

Effect of vasoactive agents on the distribution of *renal* **cortical** blood flow in dogs. 023182
Direct *renal* hemodynamic effects of clonidine [Dogs]. 023257
Renal **failure** associated with pericardial effusion in a dog. 024854
Renal **function** and intra/extravascular distribution spaces in the rat after supralethal whole-body X-irradiation. 023640
The effect of high dietary sodium chloride on *renal* **function** in chicks. 023713
Changes in *renal* **hemodynamics** and sodium excretion during saline infusion in lambs. 023180
Morphological study of the kidney in the fowl. II. *Renal* **portal** and venous systems. 023569
Prostaglandin synthesis in **rabbit** *renal* medulla. 023583
Quantitative aspects of insulin secretion and its hepatic and *renal* **removal** in sheep. 023225
Renal **responses** of the hypophysectomized rat to infusions of bovine growth hormone. 023520
In-vivo diagnosis of **right** *renal* aplasia in a pekingese bitch. 024915
Studies on the *renal* **uptake** of vitamin D3 in the mouse and the quail. 023189

RENATURATION

Promotion of **DNA** *renaturation* by a non-DNA factor in [tobacco] crown gall tumor DNA preparations [Agrobacterium tumefaciens]. 028134

RENNET

Study of the role of microorganisms and enzymes during cheese ripening. II. Influence of **commercial** *rennet.* 022599
Rennet, **rennin** and pepsin. 022632

RENNIN

Production of a **new** *rennin-like* enzyme by Aspergillus ochraceus. 022617
Rennet, *rennin* and **pepsin.** 022632

REPELLENCY

Infiltration, evaporation, and water movement as related to **water** *repellency* [Soils]. 030366
Occurrence and phenomenon of natural and fire-induced soil **water** *repellency.* 030367
Water harvesting from watersheds treated for **water** *repellency.* 030732

REPELLENTS

Repellent **additives** to reduce pesticide hazards to honeybees [Apis mellifera]: laboratory testing. 029824
Diurnal rhythm, age, and other variables affecting yellowfever mosquito [Aedes aegypti] avidity and the laboratory **assay** of *repellents.* 029025
Hydrocarbon *repellents* isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: Tenebrionidae) [Flour beetles. 028967

REPLICATION

Eukaryotic **chromosome** *replication.* 024022
Replication of **DNA** in mammalian chromosomes. III. Size and RNA content of Okazaki fragments. 024058
DNA *replication* and DNA puffs in salivary chromosomes of Rhynchosciara. 029305
Radiation studies on Azotobacter chroococcum [soil bacteria]. IV. Effect of a temporary block of **DNA** *replication* on excision repair. 030393
Chromosomal basis of dosage compensation in Drosophila. VIII. **Faster** *replication* and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. 029297
Independent *replication* of the ribosomal RNA genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. 029299
Electron microscopical study of initial and final stages of fowl **plague** *virus-replication* in chick embryo cells. 024421
Turnip yellow mosaic **virus-RNA** *replication* in Chinese cabbage. 028247

REPRODUCTION

On the problem of **accelerated** *reproduction* of hops. 027865
Improved methodology for rapid and *reproducible* **acid** hydrolysis of food and purified proteins. 022375
The present status of **applied** *reproductive* physiology in animal production [Sheep]. 024188
European corn borer [Ostrinia nubilalis] and redbanded leafroller [Argyrotaenia velutinana]: disruption of *reproduction* **behavior** [Cornfields, oatfield]. 028728
Feeding and *reproductive* **behavior** of Ips avulsus [pest of Pinus]. 028937
Reproductive **biology** of Pulsatilla patens (Ranunculaceae). 026358
The *reproductive* **biology** of the epiphytic orchids of Florida. II. A method for observing night-pollination. 027111
The inhibiting effect of tris (1-aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the *reproduction* of **Blattella** germanica L.). 028997
Live weight growth and *reproducibility* of **breeding** bulls reared with free feed consumption. 023930
The results of *reproducing* **breeding** material [of wheat] in Turkmenia. 026276
The role of spatial structure of a light field in the formation of spring wheat crop [for the *reproduction* of **breeding** material]. 026277
Non-reproductive **castes** and their development in Nasutitermes exitiosus (Hill) (Isoptera). 029379
Biological pecularities of embryonic nutrition and the practice of **cattle** *reproduction.* 024257
Growth of four types of white oak [Quercus alba] *reproduction* after **clearcutting** in the Missouri Ozarks. 027345
Reproductive **differences** between laboratory-reared and field-collected populations of the Mediterranean fruitfly, Ceratitis capitata [Insect pests, fruit]. 028821
Reproductive **disorders** in pigs. 024356
Studies on the *reproduction* in the **dog.** VI. Ovulation rate and transuterine migration of the fertilized ova. 024144
Differential posteclosion housing experiences and *reproduction* in **Drosophila.** 029209
Effects of metepa on emergence, longevity and *reproduction* of **Earias** insulana [Okra, pests]. 028897
The chronic toxicity of methiocarb [pesticide] to grackles, doves, and quail and *reproductive* **effects** in quail. 029089
Influence of sex of the calf and order of lactation on *reproductive* **efficiency** in dairy animals. 024080
Diagnosis of *reproductive* **failure** through gross examination of porcine reproductive tracts. 024928
A scanning electron microscopic study of rabbit spermatozoa in the **female** *reproductive* tract following coitus. 024054
Removal of intact **female** *reproductive* organs from codling moths [Laspeyresia pomonella]. 029334
The *reproduction* of **fiber** flax hybrids grown under artificial light. 026274
Primary directions in the *reproduction* of **forest** resources in the USSR [Reforestation, silviculture]. 025212
Reproducing **fruit** trees by grafting and budding. 027754
Some techniques for **increasing** *reproductive* rates in sheep and their application in the industry. 024185
Comments on *reproductive* **isolation** and phylogeny of mosquitoes of the genus Aedes. 029635
Records aid in *reproductive* **management** [Dairy cattle]. 024061
The control of *reproduction* in the **nursing** cow with a progestagen short-term treatment. 024002
A comparison of the *reproductive* **patterns** of apterous and alate virginoparous Acyrthosiphon pisum (Homoptera: Aphididae) [Broadbean pests]. 028715
The effect of winter feed levels of *reproductive* **performance** of beef cows and heifers. 023908
Effect of a high-concentrated combined vitamin-preparation (AD3E) on important parameters of the *reproductive* **performance** of the sow. 023965
Mating activity and its relationship to *reproductive* **performance** in Merino sheep. 024024
Reproductive **performance** of Merino ewes [sheep] dosed with selenium prior to mating. 024184
Effects of intravaginal flurogestone acetate and PMS [pregnant mares serum] administration on the *reproductive* **performance** of ewes in a cool environment. 024196
Action of energy supply during pregnancy on weight development and *reproductive* **performance** in sows. 024232
Diagnosis of reproductive failure through gross examination of **porcine** *reproductive* tracts. 024928
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the *reproductive* **possibilities** of an entomophagous insect (Lixophaga diatraeae (Towns) (Diptera, Tachinidae)). 029268
Reproduction of **potato** breeding stock in the German Democratic Republic. 026311
Variation in the *reproductive* **potential** of Earias fabia Stoll (Lepidoptera: Noctuidae) reared on whole fruit of okra or on its components. 029483
Dependence of the productive and *reproductive* **qualities** of ducks on their feeding level. 023955
The use of progestagens and photoperiodism in improving the *reproductive* **rate** of the ewe. 024008
Some aspects of *reproduction* in the **reddish** brown goats of Maradi. Comparison with other tropical or sub-tropical breeds. 024151
Distribution of blood glucose and cholesterol levels in White Leghorn birds in relation to age, **sex** and *reproduction.* 023441

Sexual *reproduction* of mountain hemlock (Tsuga mertensiana). 025181
Short-term stress effects on **swine** *reproduction.* 024989
The application of artificial breeding as a *reproductive* **technique** of cattle. 024187
Effects of temperature and level of feeding during rearing on carcass and *reproductive* **traits** in pigs. 023586
The Gezira Scheme: production of cotton and the *reproduction* of **underdevelopment.** 021277
Effects of the plant growth regulator indolebutyric acid on the growth, development, and *reproduction* of the **western** tent caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924

RESEDACEAE

Resedaceae. 025698

RESERVATION

The mycoflora of sandy desert soils covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the **Repetek** *Reservation.* 025747

RESERVE

Reserves for the **effective** use of transport means in viticulture. 021337
On forest regeneration in the State **Forest** *Reserves* of Perm province. 025210
Fungus collections from the E. S. **George** *Reserve,* Livingston County, Michigan. 025769
Reserves of **growth** [Sunflower culture]. 027576
Use of all *reserves* to **increase** productive capacity [Vegetables, potatoes]. 021284
Reserves for **increasing** beef production [Cattle feeding, breeding]. 023173
Reserves for **increasing** the effectiveness of seed treatment [Covered smut, control, cereals]. 028116
Structure of Glossina tachinoides W. Populations in the **Kalamaloue** *reserve.* VI. 029034
It is valuable to **mobilize** *reserves* in fattening bulls. 023935
The application of association analysis for phytosociological interpretation of plant communities in Las Piwnicki **Nature** *Reserve* near Torun. 025855
Nature *reserve* "Biala Wodo" [White Water] in Little Pieniny mountains. 030831
Nature *reserves* as forms of protection were discussed by the Council of Mutual Economic Aid at a session in Poland. 030832
Labile **nitrogen** *reserves* in the ruminant. Metabolic changesin growing cattle employing a nitrogen depletion-repletion treatment. 023536
Labile **nitrogen** *reserves* and plasma nitrogen fractions in growing cattle. 023537
Changes in the **nitrogen** *reserves* of apple shoots during the dormant season. 027197
There are still *reserves* [**Peas** as a forage plant, agrotechnology]. 027578
Eradication of bracken [Pteridium aquilinum] on **railway** *reserves.* 028555
A comparative study on the evolution of lipids and **starch** *reserves* at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879

RESERVOIRS

Development of biological productivity of **African** *reservoirs.* 030758
The role of the perrennial stinging nettle, Urtica dioica, as a *reservoir* of **beneficial** natural enemies [Predators, parasites and entomophagous fungi on Microlophium carnosum]. 028636
Insecticide residues in the Tuttle **Creek** *Reservoir* ecosystem, Kansas—1970-71. 029149
Middle Fork Bayou **D'Arbonne** *Reservoir* Project—Claiborne Parish, Louisiana: a feasibility and social impact study. 030639
Efficient *reservoir* design for playas of the Southern High Plains. 030735
Potentialities of fur [animal] **farming** on *reservoirs.* 023168
Some problems of the recreational use of **multipurpose** *reservoirs* near large cities (exemplified by Moscow). 030773
An efficient transition definition for discrete **state** *reservoir* analysis: the divided interval technique. 030788
Stochastic *reservoir* models: relative computational effort. 030795
Principles of optimization of *reservoir* **utilization** regime. 030770
Comprehensive evaluation of the effect of industrial activity on the regime of groundwater in the **vicinity** of *reservoirs.* 030753

RESIDUES

Chlorobenzilate [**Acaricides,** *residues].* 029116
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, *residues,* **accumulation** in soil, grape vines and grape products, toxicity, etc.). 028087
Analysis of some carbamate and urea herbicides in foods by gas-liquid chromatography after **alkylation** *[Residues].* 021906
Problems and aspects of present-day [pesticide] *residue* **analysis.** 029172
Heptachlor and dieldrin [insecticides] disappearance from a field soil measured by **annual** *residue* determinations. 029109
Residues of [**antibiotic**] drugs in eggs after medication of laying hens for eight days. 021832
Instability and function: ascorbic acid and glutaminyl and **asparaginyl** *residues.* 022036
Residues of **atrazine,** simazine, linuron and diuron after repeated annual applications in a peach orchard. 029182
Exposure of meat to methyl bromide during refrigerated-store pest control; *residues* in **beef** and lamb and effect on quality. 028985
Confirmation of polybrominated **biphenyl** *residues* in feeds and dairy products, using an ultraviolet irradiation-gas-liquid chromatographic technique. 021911
Determination of polybrominated **biphenyl** *residues* in dry animal feeds. 029120
Characterization of **bound** *residues* of [the selective herbicide] nitrofen in cereal grains. 029105
Characterization of **bound** *residues* of [the selective herbicide] nitrofen in rice and wheat straw. 029106
Disinfection [of agricultural products] with methyl **bromide** *[Residues].* 021890
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and late-summer soil application *[Residues,* **chemical** control, carrot insect pests]. 028886
Global inputs and trends of **chemical** *residues* in the biosphere. 030879
Evaluation [**Chlordimeform** *residues].* 029127
Levels of *residues* of **chlorinated** hydrocarbons in canned vegetables. 021859
Determination and significance of iodine and **chlorine** *residues* in milk after teat dipping. 021846
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the soil surface in the field] at different relative humidities [**Crop** *residues].* 030176
Effects of fertilizer, barnyard manure, and **crop** *residues* on irrigated crop yields and soil chemical properties. 030437
A screening method for determining nitrofuran **drug** *residues* in animal tissues. 024968
Pirimiphos-methyl as a protectant [from insect pests] for stored inshell almonds [Control **effectiveness** and *residues].* 028982
Effects of different systems of alfalfa preservation on the ingestion, digestibility and passage speed of **feed** *residues* in adult sheep. 023919
Fenitrothion *[Residues].* 029131
Determination of paraquat [herbicide] *residues* in **food** crops by gas chromatography. 028500
Humidity effects on properties of structural particleboards from **forest** *residues.* 025532
Hexachlorobenzene. IV. Accumulation and elimination of HCB in pigs after oral dosing [**Fungicide,** *residues].* 024983
Postharvest decay, weight loss, and **fungicide** *residues* on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
Evaluation: Ethylenethiourea [Ethylene bisdithiocarbamate **fungicides,** *residues].* 029123
Benomyl [methyl N-(l-butylcarbamoyl) benzimidazol-2-yl carbamate] *residues* [**Fungicides** in crops]. 029146
A rapid method for the determination of manganese ethylenebisdithiocarbamate [fungicide] and its *residues* on **grains.** 029114
Diquat (in plants) [**Herbicide** *residues].* 029122
Evaluation: 2,3,7,8-tetrachlorodibenzo-p-dioxin [**Herbicide** *residues].* 029130
Bioassay techniques for the determination of **herbicide** *residues* [in soil]. 029156
Hexachlorobenzene *[Residues].* 029133
Collaborative study of a spectrophotometric method for determining maleic **hydrazide** *residues* in tobacco and vegetables. 029118
Studies on the glycosylation of **hydroxylysine** *residues* during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells [Chick embryos, cattle]. 023288
Enzymatic determination of the **indigestible** *residue* (dietary fibre) content of human food. 022146
Yield and quality of corn and grain sorghum grain and *residues* as **influenced** by N [nitrogen] fertilization. 027360
Insecticide *residues* in the Tuttle Creek Reservoir ecosystem, Kansas—1970-71. 029149
Cyclodiene **insecticides** *[Residues].* 029119
Evaluation [Carbamate **insecticides,** *residues].* 029126
Photolysis of benzoic acid 2-(2,4,6-trichlorophenyl)hydrazide, [Nitricide, on citrus **leaves;** *residues].* 029111
Improved utilization and disposal of **logging** *residues.* 025526
Mercury *residues* in breast muscle of wild ducks, 1970-71. 030944
Methidathion *[Residues].* 029137
Effect of night temperature on the toxicity of field-weathered **mevinphos** *residues* to honeybees. 029184
Residues in **milk,** blood serum and urine after intrauterine administration of antibiotic trade preparations to puerperal cows. 024995
The effect of *residue* **moisture** in wilted leaves on quality indices of fine black tea. 022541
Monocrotophos *[Residues].* 029138
Organic acids in soil during degradation of **organic** *residues.* 030318
Direct and residual effect of green manures and other **organic** *residues* on soil aggregation and potato yield. 030483
Comparative study of methods for the extraction of eleven organophosphorus **pesticide** *residues* in rice. 021910
Studies on organochlorine **pesticide** *residues* in livestock products. I. Estimation of organochlorine pesticides in milk and meats by thin layer chromatography and gas chromatography. 021963
Illicitly high **pesticide** *residues* in forest berries [and mushrooms]. 021977
Maximum admissible **pesticide** *residues* in food products. 021985
The effect of atmospheric levels of pesticides on **pesticide** *residues* in rabbit adipose tissue and blood sera. 024945
Organochloride **pesticide** *residues* in milk and dairy products (1973-1974 balance). 029079
Thoughts on the problem of **pesticide** *residues* in agriculturee. 029080
Toxicological decisions and recommendations resulting from the safety assessment of **pesticide** *residues* in food. 029093
Evaluation: Lindane [**Pesticide** *residues].* 029124
Evaluation [**Pesticide** *residue* analysis]. 029129
IUPAC [International Union of Pure and Applied Chemistry] Commission on the development, improvement, and standardization of methods of **pesticide** *residue* analysis. 029134
IUPAC [International Union of Pure and Applied Chemistry] Commission on terminal [**pesticide**] *residues.* 029135
Organochlorine **pesticide** *residues* in human milk, Western Australia—1970-71. 029151
Organochlorine **pesticide** *residues* in small migratory birds, 1964-73 [in Florida]. 029152
Pesticide *residues* in Total Diet samples. VIII. 029153
Determination of **pesticide** *residue* in crops by means of neutron activation technique. 029161
Research on **pesticide** *residues* in food. 029162
Research on **pesticide** *residues* in the environment. 029163
Pesticide *residues* in some Baltic animals—a review of selected literature. 029171
The value of worldwide **pesticide** *residue* monitoring systems. 029177
Plant protection substances and *residues* [**Pesticides,** agricultural products]. 029154
Research on **pesticides** *residues* in exported commodities [Food]. 029164
Effect of **plant** *residue* on herbicide performance in no-tillage corn. 028616
Utilization and maintenance of the natural fertility of paddy soils [**Plant** *residues,* green manures]. 030446
Metabolism of [systemic insecticide] thiofanox in cotton **plants** *[Residues].* 029110
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] *residues* **reduce** germination and initial root growth of ponderosa pine. 028451
Evaluation of systemic fungicides *[Residues]* **Ref.** 029125
Soil *residues* of picloram applied aerially to New Zealand brushweeds [Ulex europaeus, Leptospermum scoparium]. 029159
Harvesting dates for **stubble** *residues* of meadow grass seed plants [Festuca, Bromus]. 027559
Inter-and intramolecular effects of **tyrosyl** *residues* on flavin triplets and radicals as investigated by flash photolysis [Flavoproteins]. 022195
Contact, *residue,* and **vapor** toxicity of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987

RESINS

The *resin* **acids** of the oleoresins: their isolation and identification. 025388
Resin **canker** [Cronartium flaccidum, control, Pinus]. 028117
Factors affecting the activity and the durability of fixed-glucoamylase [Rhizopus niveus] on polyacrylonitrile **carrier** *resin* by amidination reaction. 026533
Determination of *resin* **content** of fresh pine stumps on the basis of one cross-cut. 025303
Study of *resin* **content** and group composition of resinuous substances in sulfate cellulose production. 025331
Balance and dynamics of distribution of **extractive** *resins* during the process of sulfate cellulose boiling. 025298
Accelerated evaluation of the germinating power of the spores of *resin* **fungi** [Cronartium]. 028107
Method of determining formaldehyde and methanol extracted in poly-condensation of *resin* in **hot** pressing of particle boards. 025395
The resin acids of the *oleoresins:* their **isolation** and identification. 025388
Potential content of the antioxidant in the *resin* **oils** produced by the Ashinskii [wood processing] establishment. 025319
Differentiated callus nodules in *resin* **pockets** of Pinus ponderosa Laws. 025464
Effects of *resin* and **shape** of fiber on physical property of dry-fiberboard. 025416
Studies on the *resin* **sheet** overlay. 12. Results of nine years outdoor weathering of resin sheet overlaid plywood. 025273
New [pneumatic] tree facer for *resin* **tapping** using sulfite-yeast [as stimulator]. 025317
Technical progress in the field of *resin* **tapping** from forest trees. 025337
The effectiveness of *resin* **tapping** using new [chemical] stimulants in the Central Urals. 025343
Isomerization of *resin* **turpentine** without pinene on a titanium catalyzer in the liquid phase. 025310

RESMETHRIN

Synergism of *resmethrin* in the **house** fly [Musca domestica]. 029027

RESONANCE

Carbon-13 *nuclear-magnetic-resonance* spectroscopy of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
Molecular mobility and structure of elastin deduced from the solvent and temperature dependence of 13C [carbon **isotope]magnetic** *resonance* relaxation data [Calves]. 023301

Nuclear **magnetic** *resonance* spectroscopic determination of alpha- and beta-acid homolog composition in hops. 022483
Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. A study by proton **magnetic** *resonance* [Yeasts]. 026411
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear **magnetic** *resonance]* signals in Urs-12-enes. 026463
Ultraviolet-visible and proton **magnetic** *resonance* spectroscopy of flavonoids. 026584
High resolution 31P [phosphorus isotope] nuclear **magnetic** *resonance* studies of intact yeast cells. 026811
Carbon-13 NMR [nuclear **magnetic** *resonance]* spectra of some polycyclic triterpenoids [Actea racemosa]. 026844
Carbon-13 NMR [nuclear **magnetic** *resonance]* spectra of some furanosesquiterpenes, major components of Lindera strychnifolia. 026845
Proton **magnetic** *resonance* studies of peroxidases from turnip and horseradish. 027139
E.P.R. [Electron **paramagnetic** *resonance]* spectra of iron-sulphur proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392

RESPIRATION
Effects of thiamine and pyridoxine on the *respiratory* **activities** of Saccharomyces carlsbergensis [Yeasts]. 026591
Studies on a climosequence of soils in tussock grasslands. 4. *Respiratory* **activities** and their relationships with temperature, moisture, and soil properties. 030268
Adenovirus *respiratory* infection in turkey poults. 024435
Modification of *respiratory* **center** output in the unanesthetized fetal sheep "in utero". 023466
Enhanced *respiration* and reduction of tetracycline binding of boar and bull spermatozoa following incubation in the female genital tract. 024145
On the *respiratory* **enhancement** in Chlorella pyrenoidosa by blue light [Algae]. 026803
Structure and function of the *respiratory* **epithelium** in the tracheal gills of stonefly larvae [Perla, Protonemura, Taeniopteryx]. 029419
Influence of varying temperature conditions on the *respiration* of **ethylene** synthesis and organoleptic behaviour of Passe-Crassane pears. 027229
Influence of etorphine acepromazine and diprenorphine on *respiratory* **function** in ponies. 023326
Direct PCO2 [carbon dioxide partial pressure] measurements in the dorso-bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in *respiratory* **gas** exchanges. 023377
A simple method for the sampling of *respiratory* **gas** in conscious dogs. 023607
Effects of some inhibitors on *respiration* and **germination** of Bidens radiata achenes. 026698
Vitamin C and upper *respiratory* **illness** in Navaho children: preliminary observations (1974). 022051
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, *respiration* **measurements,** ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Photosynthesis in mesophyll protoplasts and bundle sheath cells of various types of C4 [carbon] plants. IV. Enzymes of *respiratory* **metabolism** and energy utilizing enzymes of photosynthetic pathways. 026864
Effect of temperature on *respiration* of **mitochondria** and shoot segments from cold-hardened and nonhardened wheat and rye seedlings. 027021
Central and peripheral **neural** *respiratory* activity in the mature sheep foetus and newborn lamb. 023649
Coronary reactive hyperaemia and coronary dilator action of adenosine during **normal** *respiration* and hypercapnic acidosis in the dog. 023374
Surface molting behavior and its **possible** *respiratory* significance for a gaint water bug Abedus herberti Hidalgo (Hemiptera: Belostomatidae). 029469
Studies on the energy metabolism during the *respiratory* **process** by Baker's Yeast [Saccharomyces cerevisiae]. 026825
Respiration **rate** and acidity in parthenocarpic and seeded Conference pears. 027202
Changes in *respiration* **rate** and some organic substances contents during fruit development of Cucumis melo L. cv. Shinhoro [Muskmelons]. 027297
Rough lemon tree decline [Phytophthora] peroxidase activity, isoenzymes and *respiration* **rate** of the leaves. 027892
Respiration **rate** of the mango fruit peel and its association with bacterial black spot [Erwinia mangiferae]. 028129
Photorespiration in **relation** to crop yield. 027416
Effectiveness of various unsaturated fatty acids in supporting growth and *respiration* in **Saccharomyces** cerevisiae [Yeasts]. 026627
Requirements for unsaturated fatty acids for the induction of *respiration* in **Saccharomyces** cerevisiae [Yeasts]. 026630
Immunoglobulins, antibodies and inhibitors of parainfluenza 3 virus in *respiratory* **secretions** of sheep. 024422
Respiratory **sinus** arrhythmia: noninvasive measure of parasympathetic cardiac control [Dogs]. 023471
Mitochondrial ultrastructure and *respiration* in the **spadix** of Arum maculatum L. during development. 026702
Slow *respiratory* **stimulant** effect of hyperoxia in chemodenervated decerebrate cats. 023473
Equine endoscopy [of the upper *respiratory* **track**]. 024380
Newcastle disease virus pathogenesis in the *respiratory* **tract** of local or systemic immunized chickens. 024444
Bacteriological status of *respiratory* **tract** of normal fowl. 024545

RESTIONACEAE
Vessels in Juncales: II. **Centrolepidaceae** and *Restionaceae*. 025942

RESTORATION
Restoration of **induced** damage by X rays to the embryos of Drosophila [melanogaster] Meig. 029389
Restoration of **organic** acid accumulation in sectioned leaves of Bryophyllum tubiflorum Harv. 026792
Restoring of **pollen** fertility in male-sterile lines of wheat (timopheevi) Triticum aestivum L. 026169

RESTRAINT
Sedation and *restraint* of **fallow** deer with Diazepam. 024304
A **simple** *restraining* instrument to facilitate experimental manipulation of the honeybee [Apis mellifera] head. 029801

RESTRICTION
Results of *restricting* the **brood** space of honeybee [Apis mellifera] colonies. 029825
Overwintering of colonies of honeybees [Apis mellifera] with restricted and *unrestricted* **brood-rearing** in Louisiana. 029723
Effect of *restricted* **feeding** during the growing period on the body weight and egg production of Japanese quail, Coturnix coturnix japonica. 023688
Restricted **feeding** of Leghorn layers [Chickens]. 023720
Restricted **feeding** of laying pullets [Chickens]. 023744
Restricted **feeding** of boiler type chickens. 023794
A new look at *restricted* **feeding** of pullets [Chickens]. 023814
Diffusion of regain in bulk wool. 9. *Restrictive* **influence** of a cardboard container. 022696
On the mechanism of petite genesis in yeast. IV. Biochemical characterizaton of a conditional cytoplasmic mutant producing petites at *restrictive* **temperature.** 026090
Overwintering of colonies of honeybees [Apis mellifera] with *restricted* and **unrestricted** broodrearing in Louisiana. 029723
Vascular *restriction* as the cause of 'Dimbula disease' of tea (Camellia sinensis) bushes. 028391
Water balance of small lactating rodents. II. Concentration and composition of milk of females on ad libitum and *restricted* **water** intakes. 023379

RETARDANTS
Incombustibility of *fire-retardant* **[fiber]** boards made of pulp sludge and perlite. 025430
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some **growth** *retardants* on the development of local lesions of tobacco mosaic virus in hypersensitive hosts of the genus Nicotiana. 028222

RETARDATION
Retardation of **senescence** in rice (Oryza sativa L.) leaves by benzimidazole and nickel chloride. 028422
Implications of *floodwater-retarding* **structures.** 030736
Dry **weather** *retarding* USSR winter grains [Production]. 021531

RETENTION
Relationship between leg troubles and movement defects and fattening performance, carcass yield and *retention* **capacity** [Swine]. 024815
The effects of dietary calcium and phosphorus on the *retention* and **excretion** of lead in rats. 022059
The effect of dietary margaric acid on the *retention* of several **fatty** acids in chicks. 023782
Sheet forming on paper machines. II. **Fiber** *retention* and sheet formation. 025268
Graft copolymers of dextrin and polyacrylamide as **filler** *retention* aids [Production of filled bond paper]. 025486
Retention of **fillers** by papermaking fibers. 025267
Influence of lime and phosphorus buildup on **moisture** *retention* characteristics of Hebbal Red loamy soils. 030592
Etiology and treatment of **placental** *retention* in the cow—a comparison of three methods. 024862
Selenium *retention* as affected by iron oxide in the premix [Swine rations]. 023900
Eating quality and **thiamin** *retention* of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 022101
Effect of process conditions in freeze drying on *retention* of **volatile** components. 022449
The *retention* of **volatile** components during freeze drying: a structurally based mechanism. 022468

RETICULITERMES
Social learning by the **termite** *Reticulitermes* lucifugus santonensis. 029276

RETICULOCYTES
Purification and physical properties of homogeneous initiation factor MP from **rabbit** *reticulocytes*. 023485

RETICULOENDOTHELIAL
Enhancement of susceptibility to experimental phycomycosis by agents **producing** *reticuloendothelial* stimulation [Mice, Absidia ramosa]. 024474
Relations between the changes of the phagocytic activity of the *reticuloendothelial* **system** and the alterations in protein and nucleic acids contents of the rat liver. 023558

RETICULUM
The transfer of mannose to dolichol diphosphate oligosaccharides in pig liver **endoplasmic** *reticulum*. 023294
Association of phytochrome with rough-surfaced **endoplasmic** *reticulum* fractions from soybean hypocotyls. 027017
Characterization of nuclear membranes and **endoplasmic** *reticulum* isolated from plant tissue [Onions]. 027193
Modulation of the photically evoked potentials in the motor cortex of cats by influences of the somatosensor system and *reticular* **formation.** 023175
The *"reticular* **grunt"** test for traumatic reticulo-peritonitis [Cattle]. 024827
Effect of cross-reinnervation on physiological parameters and on properties of myosin and **sarcoplasmic** *reticulum* of fast and slow muscles of the rabbit. 023527

RETINA
Mechanism and specificity of rhodopsin phosphorylation **[Bovine** *retinal* photoreceptors]. 023300
The electrophysiology of transduction, *retinal* **interaction** and axonal conduction in invertebrate photoreceptors [Includes insects]. 029314
Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic chick **neural** *retina* cells. 023502
Progressive *retinal* atrophy in two atypical breeds of dogs. 024931
The *retina-lamina* **projection** in the visual system of the bee, Apis mellifera. 029779
The vulnerability of early postnatal differentiation processes o the *retina* and the **teratogenic** effect of cyclophosphamide (Endoxan). 024938

RETINOL
Demonstration of **immunoreactive** *retinol-binding* protein and prealbumin in developing chicken embryo. 023582
The localization of *retinol-binding* **protein** in rat liver by immunofluorescence microscopy. 023503

RETIREMENT
Economic feasibility of **early** *retirement* and disinvestment in farming. 021328
Ducks in a row *[Retirement,* **U.S.** Dept. Of Agriculture employees]. 021134

RETRACTION
Development of **longitudinal** *retraction* of carotid arteries in neonatal dogs. 023407

RETROGRADE
A technique for measurement of *retrograde* **coronary** blood flow in intact anesthetized dogs. 023458

REVEGETATION *see* **VEGETATION**

REVERSIBILITY
Milk ejection in the rat: *reversible* **blockade** of hypothalamo-neurophypophysial and sympathetico-adrenal pathways by radio- frequency currents. 023519
Red-far **red** *reversible* effect on polysome formation in the embryos of Pinus thunbergii seeds. 027337
The changes of adenylate energy charge in wheat leaves during anoxia, **study** of their *reversibility*. 027005

REVOLUTION
The **Green** *Revolution:* for bread and peace. 021756
The **Green** *Revolution* [Food production policies, India]. 021757
Achievement motivation, socio-economic status [of farmers] and the **green** *revolution*. 021758
The **managerial** *revolution* in agricultural economics research. 021182
America's **quiet** *revolution* in taste. 022346
Agrarian problems at the time of the **Russian** *revolution* of 1905-1907. 021068
Revolutionary **taste** sensations. 022312

RHAGOLETIS
Mass marking techniques for European cherry fruit fly, *Rhagoletis* **cerasi** L. I. Application and identification of topical fluorescent aerosol marker. 028896

Susceptibility of diapausing pupae of the western cherry fruit fly *[Rhagoletis* **indifferens]** (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Visual stimuli eliciting attraction of *Rhagoletis* **pomonella(Diptera:** Tephritidae) flies to [apple] trees. 028841

RHAMNACEAE
Alkaloids from *Rhamnaceae.* XXVI. **Nummularine** -D, -E and -F, new cyclopeptide alkaloids from Zizyphus nummularia. 026839

RHAMNUS
The stem as the factor of precedences between buds on the annual shoot of *Rhamnus* **frangula** L. 026706

RHEOLOGY
Analysis of the *rheological* **measuring** methods for the regulation of the sugar crystallization process. 022858
Particulate properties and *rheology* of **pregelled** yam (Dioscorea rotundata) products. 022934
Rheology of **rye** dough. III. Model test of clarification of viscose behavior in dough in rising temperatures. 022763

RHESUS
The evaluation of the teratogenic effects of 2,4,5-trichlorophenoxyacetic acid [herbicide] in the *rhesus* **monkey.** 029099
The effects of tolbutamide on the development of atherosclerosis in *rhesus* **monkeys** fed an average American table-prepared diet. 021992

RHINITIS
Clinical evaluation of efficacy of Neomix (SPOFA) in the control of **atrophic** *rhinitis* in pigs. Comparison of efficacy of Neomix to that of Gallimycin (Abbott), Spectane (Abbott) and Pro-Gene (Abbott). 024757
How to recognize and eliminate **atrophic** *rhinitis* of swine. 024876

RHINOCEROS
The mediate-indirect movement of the elytra in the *rhinoceros* **beetles** (Orystes boas Fabr., Coleoptera). 029518

RHINOCYLLUS
Successful biocontrol of musk thistle [Carduus nutans] by an introduced weevil, *Rhinocyllus* **conicus.** 028514
Introduction of a weevil *[Rhinocyllus* **conicus]** for biological control of nodding thistle [Carduus nutans]. 028558

RHINOTRACHEITIS
Report on infectious **bovine** *rhinotracheitis* in Ethiopia. Preliminary serological survey. 024642
Antibody survey of infectious **bovine** *rhinotracheitis* (IBR) virus in Korean native cattle. 024685
Stability of infectious **bovine** *rhinotracheitis* virus and it's immunity in Korean native calves. 024690
Isolation of IBR [infectious **bovine** *rhinotracheitis]* virus from a heifer with meningoencephalitis. 024706
Feline **viral** *rhinotracheitis* in Japan—isolation of herpes type virus and pathologic picture [Cats]. 024630

RHIPICEPHALUS
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, *Rhipicephalus* **sanguineus]** to acaricides. 029073

RHIZOBIA
Compatibility of *Rhizobium* **japonicum** with chemical seed protectants [Fungicides, soybeans, nodulation]. 026888
Comparative efficiency of different commercial inoculants of *Rhizobium* **japonicum** on field-grown soybeans [Nodule bacteria]. 030220
On the possibility of using a jointly cultured system of isolated tissues from legumes and nodular bacteria for investigating their interrelations [Alfalfa, Rhizobium meliloti, *Rhizobium* **leguminosarum].** 026949
Ultrastructure of *Rhizobia* in **pure** culture and symbiosis [Alfalfa and clover]. 026964
Verification of effect of bacterial inoculation [of legumes] with the preparation **Rizobin** *[Rhizobium].* 030553
Accumulation of 4-aminobutyrate in Trifolium subterraneum [subterranean clover] root nodules: effect of *Rhizobium* **trifolii** strain on aminotransferase activity. 026899

RHIZOCTONIA
Morphology, development, and cytochemistry of the hyphae and sclerotia of species in the *Rhizoctonia* **complex** [Fungi]. 025982
Validamycin, a new antibiotic for *Rhizoctonia* **disease** control [Sheath blight, rice]. 027986
Symptoms of *Rhizoctonia* **disease** in [potato] tubers. 027999
Scanning electron microscopy of the septal pore apparatus of *Rhizoctonia* **solani.** 025984
Phenylacetic acid meta hydroxylase from *Rhizoctonia* **solani** [the causal fungus of a serious soilborne disease of plants]. 028045
Interactions of Pythium myriothylum with several fungi in peanut pod rot [Fusarium solani, Macrophomina phaseolina, *Rhizoctonia* **solani,** Trichoderma viride]. 028055
Chemical seed treatment to control damping-off of cotton seedlings *[Rhizoctonia* **solani].** 028082
About the development of [cotton] varieties with complex resistance [to Xanthomonas malvacearum and *Rhizoctonia* **solani].** 028143
Chemical stimuli for feeding by [nematode] Aphelenchus avenae *[Rhizoctonia* **solani,** Caenorhabditis briggsae]. 028400

RHIZOID
Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An ultrastructural and light microscopical study of **zygotes** and *rhizoids.* 026060

RHIZOMES
The structure of saponins from *rhizomes* of **Dioscorea** deltoidea Wall. 026430
Observations on the *rhizomes* and **roots** of Vaccinium membranaceum [huckleberry]. 026070

RHIZOMORPHS
On the apical structure of the *rhizomorph* of **Sphaerostilbe** repens B and Br. (Ascomycetes) [Fungi]. 025970

RHIZOPUS
Sterol-binding polysaccharides of *Rhizopus* **arrhizus,** Penicillium roquefortii and Saccharomyces carlsbergensis [Fungi]. 026763
Purification, crystallization, and properties of an endo beta-1,3-glucanase from *Rhizopus* **chinensis** R-69 [Fungi]. 026345
The effect of various sources of carbon and nitrogen in an artificial nutrient medium on the sporulation of *Rhizopus* **delemar** (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. 026680
Factors affecting the activity and the durability of fixed-glucoamylase *[Rhizopus* **niveus]** on polyacrylonitrile carrier resin by amidination reaction. 026533
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, *Rhizopus* **stolonifer].** 028073

RHIZOSPHERE
Algae of *rhizosphere* of **indicator** plants from certain plant associations of southwestern Turkmenistan flatlands. 025908
Bacterial behaviour in the *rhizosphere* of **Pinus** densiflora infected by Tricholoma matsutake. 027318
Microflora of soils and *rhizosphere* of **plant-dominants** referring to the particular plant associations of the Meshed-Messerian plain. 025909
Mycoflora of the *rhizosphere* and **roots** of pome fruits in the Maritime Territory [Pathogenic fungi]. 028015

RHODODENDRON
The horii-group of Fiorinia associated with *rhododendrons* in **East** Asia (Homoptera: Coccoidea: Diaspididae) [New taxa]. 029599
Beta-diketones in *Rhododendron* **waxes.** 027239
Steryl acetates in *Rhododendron* **waxes.** 027252
Study of some characteristics of *Rhododendron* **wood** species and their suitability for particle board manufacture under laboratory conditions. 025514

RHODOPHYCEAE
Ultrastructural study of the wall of Polysiphonia elongata (Harv.) [Algae] *Rhodophyceae,* **Floridea,** with the help of actions of enzymes. 026032

RHODOPHYTA
The genus Porphyra C. Ag. *(Rhodophyta-Bangiales)* in the **American** South Atlantic. I. Brazilian species [Algae]. 025630
Taxonomic notes on Gracilaria mammillaris (Mont.) Howe and Gracilaria veleroae **Dawson** *(Rhodophyta,* Gigartinales) [Algae]. 025844

RHODOPSEUDOMONAS
Single-cell protein production by photosynthetic bacteria *[Rhodopseudomonas* **gelatinosa]** cultivation in agricultural by-products. 022385

RHOPALOCERA
Some observations on *Rhopalocera* during the **months** of June and July, 1975. 029626

RHOPALOSIPHUM
Control of insect pests [Spodoptera ornithogalli, *Rhopalosiphum* **maidis,** Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. 028742

RHUS
Isolation of tannin from sumac *[Rhus]* **leaves.** 027161

RHYACIONIA
Comparison of sex pheromone versus an inhibitor for disruption of pheromone communication in *Rhyacionia* **buoliana** [Pinus sylvestris]. 028931
Main pulping characteristics of Scots [Pinus silvestris] and Austrian pine [Pinus nigra] damaged by *Rhyacionia* **buoliana** Schiff. 028935
Distribution of *Rhyacionia* **neomexicana** eggs within ponderosa pine [Pinus ponderosa] trees. 028919
Forest insect research at Kansas State Univeristy. 1974 *[Rhyacionia,* **Pinus** ponderosa, Pinus sylvestris]. 028940

RHYNCHOPHYLLINE
The synthesis of 3-spirooxindole derivatives. VII. Total synthesis of **alkaloids** *(plus/minus)-rhynchophylline* and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. 026523

RHYNCHOSCIARA
Polytene chromosomes: differences in molecular structure as revealed by metachromatic basophilia *[Rhynchosciara* **americana].** 029306
DNA replication and DNA puffs in salivary **chromosomes** of *Rhynchosciara.* 029305
Puffs in the heterochromatin in **chromosomes** of *Rhynchosciara.* 029307

RHYNCHOSIA
Hydroquinone diacetate from *Rhynchosia* **minima.** 026741

RHYNCHOSPORIUM
Leaf scald *[Rhynchosporium* **oryzae]** of rice, a new disease in Bangladesh. 028071

RHYTHM
Disorder in **cardiac** *rhythm* [Dogs]. 024890
Dinoflagellate phototaxis: pigment system and **circadian** *rhythm* as related to diurnal migration [Algae]. 026586
Daily *rhythm* of Synanthedon pictipes (Lepidoptera: Aegeriidae) female calling behavior in Wisconsin: temperature effects. 029328
Daily *rhythm* of the scototactic orientation of the forest cricket Nemobius sylvestris (Bosc): Precise biological importance. 029447
Diurnal *rhythm,* age, and other variables affecting yellowfever mosquito [Aedes aegypti] avidity and the laboratory assay of repellents. 029025
Rhythmic **emergence** of Dendroctonus ponderosae (Coleoptera: Scolytidae) from two host species [Pinus ponderosa, Pinus monticola]. 028922
Endogenous *rhythm* of nerve activity in the housefly eye [Musca domestica]. 029457
Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous **LH** *rhythms.* 023599

RIBOFLAVIN
14C [carbon isotope] incorporation in chloramphenicol inhibited growth and its reversal by *riboflavin* in **green** gram [Mung beans]. 027164
The regulation of *riboflavin* **synthetase** synthesis by iron in flavinogenic yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400

RIBONUCLEASE
Relationship between formation of gametophore buds in the protonema of mosses and increase in *ribonuclease* **activity.** 026336
Changes in proteins, phosphatase and *ribonuclease* **activity** in barley (Hordeum sativum) seeds during germination. 026957
Purification of *ribonuclease* L from **Aspergillus** sp. [Fungi] by affinity chromatography. 026346
Differential activity staining: its use in characterization of **guanylylspecific** *ribonuclease* in the genus Ustilago [Fungi]. 026810
Effect of urea on **intracellular** *ribonuclease* from Aspergillus niger [Fungi]. 026829
Intracellular distribution and multiple molecular forms of *ribonucleases* in **pea** (Pisum sativum) seedlings. 027288

RIBONUCLEIC
The effect of convulsions induced by flurothyl on *ribonucleic* **acid** synthesis in rat cerebral cortex during the recovery phase. 023291
Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of *Ribonucleic* **acid** and protein synthesis [Fungi]. 026390
A rapid technique for the estimation of polynucleotide adenylyltransferase and *ribonucleic* **acid** polymerase in plant tissues [Maize]. 027015
The effect of antibiotics on *RNA* **biosynthesis** in tissues of silkworm [Bombyx mori L.) chrysalis during metamorphosis. 029799
Double chain sequence of RNA obtained through in vitro transcription of wheat DNA by Escherichia **coli** *RNA* polymerase. 026917
Polyadenylate sequences of fowl plague virus **complementary** *RNA* (cRNA) synthesized in vivo and in vitro. 024766
Replication of DNA in mammalian chromosomes. III. Size and *RNA* **content** of Okazaki fragments. 024058
Naturally occurring **double-stranded** *RNA* and immune responses. III. Immunogenicity and antigenicity in animals. 024533

Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by *RNA* **fingerprinting** and polyacrylamide-gel electrophoresis. 028279
Some characteristics of **infectious** *RNA* from potato virus Y. 022209
Nucleotide sequences in the *RNA* of **mammalian** leukemia and sarcoma viruses. 024461
Procollagen biosynthesis by embryonic-chick-bone polysomes. Estimation of the relative numbers of active proalpha 1 andproalpha 2 **messenger** *ribonucleic* acids. 023396
Turnover of polyadenylated **messenger** *RNA* in fission yeast [Schizosaccharomyces pombe]. Evidence for the control of protein synthesis at the translational level. 026148
Selective changes in **methionine** *tRNA* species during development of the posterior silkglands of Bombyx mori. 029249
Turnip yellow **mosaic** *virus-RNA* replication in Chinese cabbage. 028247
The effect of radiation on processing of **nuclear** *RNA* and chromatin ribonulcease activity in rat liver and thymus. 023450
Equine herpesvirus-induced alterations in **nuclear** *RNA* and DNA polymerase activities. 024763
Double chain sequence of *RNA* **obtained** through in vitro transcription of wheat DNA by Escherichia coli RNA polymerase. 026917
Replacement of Mg2+ [magnesium] by polyamines in the aminoacylation of *tRNA* from **Phaseolus** [Beans]. 027250
Polyadenylated *RNA* from Vicia faba [broadbeans] meristematic root cells. Localization and size estimation of the poly(A) segment. 027170
RNA **polymerase** from opaque-2 and normal Zea mays [maize] endosperm. 027010
RNA **polymerase** B from Drosophila melanogaster larvae. Purification and partial characterization. 029350
RNA **profiles** and nucelotide composition of flax callus and suspension cultures. 026907
Relationship between hormone titres and *RNA* and **protein** syntheses when the change to the pupal programme occurs in the silkworm, Bombyx mori. 029839
Gibberellin-affected methylation and synthesis of **ribosomal** *RNA* in isolated maize seed scutellum. 027034
Independent replication of the **ribosomal** *RNA* genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. 029299
Characterization and localization of the *RNA* **synthesized** in mature avian erythrocytes [Chickens]. 023398
Kinetic studies of leucyl **transfer** *RNA* synthetase from Bakers' yeast: Order of addition of substrates and release of products. 026628
Valyl tRNA's **[transfer** *ribonucleic* acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from barley seedlings and yeasts]. 026773
Hydrogen bonding in yeast phenylalanine **transfer** *RNA*. 026812
Valyl *tRNA's* [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from barley seedlings and yeasts]. 026773
The maize rough dwarf virion. I. Protein composition and distribution of *RNA* in different **viral** fractions. 028284
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with **viral** *RNA* synthesis in Aedes albopictus cells. 029504
Photodynamic inactivation of **virion-associated** *RNA* transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on infected plants. 028242
In vitro synthesis of full-length DNA transcripts of Rous sarcoma **virus** *RNA* by viral DNA polymerase. 024671
Translation of alfalfa mosaic **virus** *RNA's* in mammalian cell-free systems. 028286
The effect of two pathogens [Adelina, *RNA* **virus**] on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784

RIBOSE

Effect of *ribose* and **ribose-5-phosphate** on uric acid synthesis in the chicken. 023574

RIBOSOMES

Changes in **chloroplast** *ribosomal* proteins in a streptomycinresistant mutant of Euglena gracilis [Algae]. 026797
The terminal sequence of Bombyx mori 18S *ribosomal* **DNA.** 029852
Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on *ribosome-elongation* **factor** G- dependent reactions [Calf intestines]. 023305
Ribosome **inactivation** by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the toxin A-chains [Rabbits]. 024952
Gibberellin-affected methylation and synthesis of *ribosomal* **RNA** in isolated maize seed scutellum. 027034
Independent replication of the *ribosomal* **RNA** genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. 029299

RIBULOSE

Evolution in the genus Avena: inheritance of different forms of *ribulose* **diphosphate** carboxylase [Oats]. 026121

RICE

Factors affecting the distribution of vegetation of **abandoned** *rice* fields, Georgetown County, South Carolina. 025670
Micro-ecosystem monitors [Colletotrichum gloeo for biological control of **Aeschynomene** in *rice].* 028487
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of sake *[rice* **beer**] yeast [Saccharomyces cerevisiae]. 022778
Serological specificities of sake *[rice* **beer**] yeasts [Saccharomyces cerevisiae]. 026642
Validamycin, a new antibiotic for Rhizoctonia disease control [Sheath **blight,** *rice].* 027986
Effect of *rice* **bran** on pig performance and carcass. 023859
Rice **bran** composition and digestibility by the pig. 023865
Comparative study of rations containing glutinous **broken** *rice* and non-glutinous broken rice in swine growing-finishing rations. 023835
Some notes on using low level of good grade-fishmeal with non-glutinous **broken** *rice* and glutinous broken rice in swine growing-finishing rations. 023843
Bulk *rice.* Alternatives for harvesting, transport, drying and storage. 022794
Purification of myo-inositol 1-phosphate synthase from *rice* **cell** culture by affinity chromatography. 027029
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme [Wheat, barley, **chickpeas,** *rice].* 026967
Pioneers of bulk storage of *rice* **[Cooperatives].** 022795
Water and the *rice* **crop** [Irrigation]. 030798
Preliminary studies on the development of young spikes in the second crop of the double **cropping** *rice.* 027388
Effect of climatic unstability on *rice* **culture** in Tohoku districts. 1. 027352
Occurrence and integrated control of dwarf virus **disease** in *rice.* 028214
Photodynamic inactivation of virion-associated RNA transcriptase of *rice* **dwarf** virus catalyzed by azure B and its therapeutic effect on infected plants. 028242
Increasing bumper harvest of three crops [wheat, **early** *rice,* late rice] within a year by applying the materialist dialectics. 027387
Synthesis and herbicidal activity of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate *[Rice,* **Echinochloa** crus-galli]. 028485
Ways of increasing the efficiency of primary funds on *rice-growing* **farms.** 021453
Complementary and supplementary value of peanut protein to *rice* when **fed** to weanling rats [Diet]. 022178
Appearance of Fasciola cercariae in *rice* **fields** determined by a metacercaria-detecting buoy [Cattle, liver fluke, transmission, snails]. 024653
Control of weeds in *rice* **fields.** 028528
Cultural aspects of mixing standard rice seeds with the **glutinous** *rice.* 027350
Pattern of crack formation in *rice* **grain** as influenced by shape and orientation of cells. 022792
Bionomics of the **green** *rice* leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus disease transmission. 028789
Subculturing of cells from the embryo of the **green** *rice* leafhopper, Nephotettix cincticeps Uhler (Hemiptera, Deltocephalidae). 029229
Milling of paddy in relation to yield and quality of *rice* of different **Indian** varieties. 022774
Persistence of gamma-BHC [lindane] and beta-BHC [benzene hexachloride] in **Indian** *rice* soils under flooded conditions. 028770
1974 Evaluation of candidate pesticides. **Insecticides:** *rice.* 028759
Changes in soil fertility under **intensive** *rice* cropping with improved varieties [Fertilizers]. 030527
An **irrigated** *rice* field in Goias. 027444
Use of automatic siphons in *rice* **irrigation.** 030688
Effects of temperature on the bran layers of *rice* **kernels.** 022744
Increasing bumper harvest of three crops [wheat, early rice, **late** *rice]* within a year by applying the materialist dialectics. 027387
Anatomical study of leaf lesions on three varieties of rice as a result of feeding by different species of *rice* **leafhoppers** [Nephotettix, Recilia dorsalis]. 028788
Nitrogen responsiveness of two **lowland** *rice* varieties under five management practices. 030498
Late **maturing** *rice* variety trial, Kern County 1975. 027427
Rice parboiling: effects of processing conditions and varietal factors on **milled** *rice* characteristics. 022740
The influence of temperature on the ability of Aphelenchoides besseyi to survive dehydration *[Rice,* **nematodes].** 028405
Leaf scald [Rhynchosporium oryzae] of *rice,* a **new** disease in Bangladesh. 028071
Vegetation changes on an **old** *rice* field following herbicide treatment. 028586
Inheritance of grain yield and its components in two crosses of *rice* **(Oryza** sativa L.). 026237
Phenotypic correlation between panicle exertion and plant height in *rice* **(Oryza** sativa). 026238
Retardation of senescence in *rice* **(Oryza** sativa L.) leaves by benzimidazole and nickel chloride. 028422
Tests of sources of resistance to blast [Pyricularia **oryzae,** *rice].* 028004
The root maggot [Oryzophagus **oryzae,** *rice].* 028768
Rice **parboiling:** effects of processing conditions and varietal factors on milled rice characteristics. 022740
Inheritance of gall midge (Pachydiplosis oryzae Wood Mason) resistance in *rice* with **particular** reference to cytoplasmic influence on its expression. 028719
Rice and **pea** alcohol dehydrogenase. 026529
Isolation and identification of jinggangmycins [from Streptomyces hygroscopicus against **Pellicularia** of *rice].* 027885
Rice and **people** [Productive capacity of agriculture]. 021826
A strain producing abundant brachypterous adults in Nilaparvata lugens **(Homoptera:** Delphacidae) *[Rice* **pests].** 028721
Studies on the leaf blight of *rice* **plant.** III. A metabolite of the pathogenic bacteria [Xanthomonas oryzae]. 028151
Relaionship between the change in the chloroplastic nitrogen fractions and the rate of oxygen evolution in *rice* **plants.** 027049
Translocation and some forms of germanium in *rice* **plants.** 027050
Absorption of fertilizer and soil nitrogen by *rice* **plants** under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of nitrogen by rice plants. 027054
Trials of Zebu cattle fattening based on *rice* **polish** in north Cameroon. 023791
Rice, **politics** and development in Guyana. 021275
Amounts of nutrients for crops grown in **pot** *experiments-rice* [Fertilizers]. 030482
Influence of parboiling on the physical and chemical **properties** of *rice.* 022762
Comparative study of methods for the extraction of eleven organophosphorus pesticide **residues** in *rice.* 021910
Nitrogen **response** of *rice.* 030511
Anatomical study of leaf lesions on three varieties of *rice* as a **result** of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Study on reaction of *rice* to **rice** stem borers. 028790
Studies on the forecasting techniques of sheath blight [Pellicularia **sasakii]** of *rice.* 027905
Methods of large **scale** *rice* culture. II. 027353
Effect of chilling temperature on the flowering and fruiting stage in the **second** *rice* crop. 026940
Plastic packaging for **seed** *rice.* 022796
Theory and technique on *rice* **seedling** raising. 27. 027354
Multiple forms of *rice* **seeds** beta-amylases on zymogram. 026884
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, *rice* or **shelled** peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Microbial degradation of synthetic organic pesticides in *rice* **soils.** 029102
Estimation of critical limit for zinc in *rice* **soils.** 030203
Studies on the influence of a long term lime fertilization on the humus composition and carbohydrate content of *rice* **soils.** 030531
Use of straw for a potential slow-release nitrogen **source** for *rice.* 030456
The testing of **Soviet-bred** *rice* varieties [in Guinea]. 027520
Cultural aspects of mixing **standard** *rice* seeds with the glutinous rice. 027350
Study on reaction of rice to *rice* **stem** borers. 028790
Supplement of *rice* **straw** for sheep with kenaf leaf [Hibicussabdariffa] or alfalfa meal. 023844
Utilization of *rice* **straw** by water buffalo when supplemented with molasses and urea. 023847
Behavior of phenolic substances in the decaying process of plants. II. Changes of phenolic substances in the decaying process of *rice* **straw** under various conditions. 027048
Moisture absorption, mold growth, and decomposition of *rice* **straw** [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176
Influence of temperature on the kinetics of *rice* **straw** decomposition in soils. 030340
Behavior of phenolic substances in the decaying process of plants. III. Degradation pathway of phenolic acids *[Rice* **straw].** 030351
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on cell permeability of Pellicularia sasakii *[Rice,* **sugarbeets].** 027903
Response of *rice* to **sulphur** application under upland conditions. 030439
Better returns form **summer** *rice.* 027421
Fertilizer applications to *rice* in **Taiwan.** 030444
Morphological and chemical study on grain characteristics of indigenous **Thai** *rice* variety. 022810
Studies on the storage of **Tongil** *rice.* 022814
Liberia to increase imports of **U.S.** *Rice.* 021542
Consumers' responses to high yielding **varieties** of *rice.* 021580
Apparent solubility and alkali degradation patterns of *rice* **varieties.** 022780
Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to control Aeschynomene **virginica** in *rice].* 028495
Accessory cells of the mycetome in the *rice* **weevil,** Sitophilus oryzae: post-embryonic development. 028968
Characterization of bound residues of [the selective herbicide] nitrofen in *rice* and **wheat** straw. 029106

RICIN

Ribosome inactivation by the toxic lectins abrin and *ricin.* **Kinetics** of the enzymic activity of the toxin A-chains [Rabbits]. 024952

RICINUS

Nosema slovaca sp. N.: a second microsporidian of the tick **Ixodes** *ricinus.* 029427

RICKETTSIA
Evaluation of primary blood monocyte and bone marrow cell culture for the isolation of *Rickettsia* **rickettsii** [Guinea pigs, monkeys]. 024574

RIDGES
Elements of a theory on **intermittent** *ridging* [Equipment design]. 030133

RIGID
Thrust-dynamic weight relationship of *rigid* **wheels** [on different soil types with different compaction treatments]. 029981
The use of *rigid* **wood** frames, a method of self help construction in agriculture [Barns]. 029937

RING
Effects of bending and *ringing* of **branches** [training method] on flowering and fruiting of ponkan (Citrus reticulata Blanco) trees. 027143
Analysis and design of **load** *rings* [Engineering]. 029978
Dual infection of Roundel cherry with *ring* **mottle** and European rusty mottle viruses. 028177
Wear character of **piston** *rings* of tractor engines of unified range. 030003
Bioavailability of lysine in *ring* **process** blood meal for swine. 023884
Improved performance of peach tree clone freed from *ring* **spot** [virus] by thermotherapy. Study of recontamination in the orchard. 028182

RINGSPOT
A leaf mosaic in the Russian apple clone R 12 740-7A connected with a strain of cherry **necrotic** *ringspot* virus. 028166
Prunus **necrotic** *ringspot* virus as a multicomponent system. 028280
Spread and control of Prunus stem pitting [Peaches, **tomato** *ringspot* virus, transmitted by Xiphinema americanum]. 028196

RINGWORM
Equine *ringworm* by Trichophyton verrucosum [of a horse transmitted from cattle]. 024628
An epizootic outbreak of *ringworm* in a **guinea-pig** colony caused by Trichophyton mentagrophytes [Fungi]. 024635

RIPENING
Starch breakdown and *ripening* of **apple** and pear fruits. 027234
A note on transaminases in the *ripening* of **bananas** on storage. 027163
Attempt at hastening the *ripening* of the **berries** of two redpepper cultivars by using 2-chloroethylphosphonic acid [Growth substances]. 027117
Degradation of casein during the *ripening* of **cheddar** cheese. 022627
Relation of cheddar **cheese** *ripening* to bacterial lipolysis [Lactobacillus casei, L. plantarum]. 022559
Study of the role of microorganisms and enzymes during **cheese** *ripening*. II. Influence of commercial rennet. 022599
Studies on postharvest treatments for *ripening* of **citrus** fruits. I. Lowering of the acidity in Satsuma mandarin orange by heat treatment. 022869
Fluorescent product accumulation in *ripening* **fruit** [Bananas, pears]. 022958
Biosynthesis and regulatory control of ethylene in **fruit** *ripening*. A review. 027222
Fruit *ripening* and senescence of flowers and leaves. 027228
Physiological studies of developing and *ripening* **fruit** of the Japanese persimmon. III. Effects of degrees or times of artificial defoliation last fall on some metabolic changes taking place in the fruit during cell division. 027298
The effect of different methods of salting on certain groups of bacteria and *ripening* of **Gouda** cheese. 022639
Effects of irrigation regimes on **grape** *ripening* [Composition]. 030744
Variations in chlorophylls and carotenoids content of the cherry harvested at different stages of **growth** and *ripening*. 027237
Pigment evolution in Lycopersicon esculentum [tomato] fruits during **growth** and *ripening*. 027248
Effects of gamma irradiation and storage temperature on carotenoids and ascorbic acid content of **mangoes** on *ripening*. 022949
Quantification of lactones in *ripening* **pasteurized** milk Blue cheese containing added microbial lipases. 022590
Regulated *ripening* of Coffea arabica L. In Kenya: studies on the use of 2-chloroethyl phosphonic acid. 026317
Chemical composition, protein quality and protein value of Opaque-2 and other varieties of maize at different **stages** of *ripening*. 022077
Ethylene as a stimulator of *ripening* for **Vaccinium** vitis-idaea. 027213

RIVERS
The effect of fertilizers on the yield of mushrooms in pine forests located in the region along the middle part of **Angara** *River*. 030503
Polychlorinated biphenyls (PCB's) in the *rivers* **Avon** and Frome [Water pollution]. 030814
The role of trees in *river* **bank** control. 030605
Wisconsin's participation in the *river* **basin** commissions. 030733
The *river* **birch** Betula obscura in the West Carpathian Mountains. 025681
Conditions of formation and regional evaluation of subsurface discharge in fold-mountain regions (as exemplified by the basin of the **Chusovaya** *River* in the middle Urals) [Groundwater]. 030754
The **Colorado** *River* and agriculture/energy equations [Consumptive use of water]. 030743
Methods of comprehensive investigation of state of *rivers* and **determination** of causes of their pollution by industrial and domestic effluents. 030983
The bias of an estimate of Gumbel's law parameters. Application to some *river* **discharges** [Hydrology]. 030720
The **[French** *river]* Basin agency: its role in pollution control. Aids contributed to organization. 030853
The vascular flora and vegetation in the **Green** *River* Gorge, North Carolina. 025677
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao **Joao** *River* valley, Rio de Janeiro [National forest resources, conservation]. 025076
Forest regeneration in the **Kama** *River* region in relation to cutting systems. 025117
Modest hydraulics in the service of the people: social and economic analysis of hydraulic operation of the lower **Limpopo** *River* [Water management, Mozambique]. 030715
The 1973 **Mississippi** *River* basin flood: compilation and analyses of meteorologic, streamflow, and sediment data. 030697
The ecology of algae in the **Moruya** *River*, Australia. 025901
A preliminary study on the occurrence and distribution of geofungi in Lake Ontario near the **Niagara** *River* [Fungi, distribution]. 025799
Experience in mathematical representation of fluctuations of subterranean flow into *rivers* in the **northwest** part of the European Territory of the USSR (ETU). 030765
[New] locality of Lycopodium complantaum [Pteridophyta] by the shores of the *river* **Pilica**. 025682
Microbial ecology and erosion: domestication of soil microbes and erosion of the **Plata** *River* basin. 030583
Biomass and activity of sessile microbes in a **polluted** *river*. 030906
Study of the sources of entry of trace elements into *rivers* and **processes** of self-purification of water. 030778
Effect of six 4-year rotations on yield, quality, and monetary return of sugarbeets in the **Red** *River* Valley (1971-74). 027527
Effect of soil erosion from basins on the sediment transport **regime** in *rivers*. 030628
Effect of forest management and improvement measures on *river* **runoff**. 025175
Salt status of some soils of the **Slave** *River* Lowlands in Canada's Northwest Territories. 030197
The use of algal assays to determine effects of waste discharges in the **Spokane** *River* system. 030862
On the possible utilization of waters of the Kriviy **Torets** *River* for irrigation. 030746
Intensification of sheep husbandry in the central **Volga** *River* area [Meat and wool yields]. 023172
Analysis of *river* **water** and drinking water from seven European Countries [Quality]. 030649

ROADS
Establishing vegetative cover along logging **access** *roads:* techniques—costs—benefits. 025468
Studies on *off-the-road* **locomotion.** Estimation of vertical stresses in the layer of paddy field soil. 030174
Rural development through extensive **network** of *roads*. 021122
Roll and pitch investigations of *off-road* **vehicles** [Tractors]. 030147

ROASTING
Investigations on coffee and coffee substitutes. XVII. Behaviour of polysaccharide-complexes of Robusta **coffee** during *roasting*. 022552
Effects of *roasting* **temperatures** and gamma irradiation on the content of chlorogenic acid, caffeic acid and soluble carbohydrates of coffee. 022480

ROBINIA
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various secretory phases *[Robinia* **pseudacacia,** Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
Research on glycerides from black locust *[Robinia* **pseudacacia]** seeds. 027339
Changes in mineral contents of cotyledons and young seedlings of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, *Robinia* **pseudoacacia].** 027310

ROCK
Clay minerals in the **altered** *wall-rocks* of Mosabhoni coppermines, Singbhum District, Bihar. 030303
Clay minerals of soil **forming** *rocks* of the central Russian Plain. 030285
Population energetics and ecology of the *rock* **grasshopper,** Trimerotropis saxatilis. 029321
Deterioration of aspen [Populus tremuloides] clones in the **middle** *Rocky* Mountains [Regeneration]. 027344
A new species of Cortinarius (Telamonia) [ahsii, Fungi] from the *Rocky* **Mountains.** 025764
Determination of fluorine in **volcanic** *rocks* from Filicudi and Alicudi (Aeolian Islands, southern Italy) and in geochemical reference materials. 030199

RODENTICIDES
Extension of **bacterial** *rodenticides* [Cereal pests, control]. 028466
Hazards to predators feeding on prairie voles killed with zinc **phosphide** *[rodenticide].* 029141

RODENTS
Change in permeability of erythrocyte membranes in *rodents* **caused** by cod-liver oil, vitamin E, and fatty acids [Gerbils, rats]. 022133
Bibliography on the genus Arvicola Lacepede; work published in Europe from 1900 to 1972 (excluding Russia) *[Rodents* **causing** severe damage crops]. 028420
Control *rodents* around poultry. Why bother to control rodents? [Feed]. 028336
Water balance of small **lactating** *rodents*. II. Concentration and composition of milk of females on ad libitum and restricted water intakes. 023379
The production utilization of seeds [by Pogonomyrmex barbatus, birds, *rodents]* in **plains** grassland of southeastern Arizona. 025895

ROOFS
How much does drying hay under the *roof* **cost?** 021385
Relationship between LP [liquified petroleum] gas usage and amount of *roof* **insulation** in Arkansas broiler houses. 029905
Glued plywood two hinged type arch **panel** *roofing*. 1. 025384
An inflated **plastics** *roof* for a multispan greenhouse. 029870
Glued **plywood** *roof* panels. 025383

ROOMS
Carrot storage in *rooms* with **artificially** cooled air. 022955
Influence of temperature, photoperiod and container size on the growth rate and development of tomato plants in **growing** *rooms*. 027611
Performance doors for **storage** *rooms*. 029924
Chemically induced dynamic electron polarization in chloroplasts at *room* **temperature:** evidence for triplet state participation in photosynthesis. 026809

ROOTING
The use of fertilized and unfertilized peats of different origin for *rooting* **cuttings** [of ornamental trees and shrubs]. 027647
Use of ethrel to **promote** *rooting* and growth in transplanting some Eucalyptus seedlings. 027327
Rooting and end of **rest** in 'Carignane' [grapevine] cuttingsas affected by collection time and cane segment used. 027699

ROOTS
Uptake of picloram [herbicide] by *roots* of **alfalfa** and barley. 026934
Influence of powdery mildew [Erysiphe graminis] on mitotic cell division of **apical** *root* meristems of barley. 028046
Alkaloids from the *root* **bark** of Zanthoxylum myriacanthum. 026715
Comparison of isomers of fluorophenylalanine as inhibitors of ion transport across **barley** *roots*. 026901
Inhibition of phosphate uptake in **barley** *roots* by hydroxy-benzoic acids. 027008
Invasion and development of the cereal cyst-nematode Heterodera avenae in *roots* of **barley** infected by the take-all fungus Gaeumannomyces graminis. 027898
Effect of calcium on the biosynthesis of phosphatidylcholine by microsomes prepared from Vicia faba **[broadbean]** *roots*. 027148
Electron microscopic study of bacteria in the intercellular spaces of the *root* **cap** of Luzula purpurea Link [Symbiotic associations]. 026034
Effect of copper on *root* **cell** elongation and germinability of seeds of fine-fibered cotton. 026971
Perforation and lysis of fungal spores in natural soils [Cochlioobolus sativus, **cereals,** *root-rot].* 027976
The orientation of **certain** *root-nodule* bacteria at interfaces, including legume root-hair surfaces. 026648
Contribution to the study of vernalization by cold treatment on the *root* of **Cichorium** intybus L. [Chicory]. 027225
A resistant response of **citrus** *roots* to the root-knot nematode, Meloidogyne javanica. 028390
Clover *root* curculio [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, yield, and root damage. 028749
Nitrate uptake and induction of nitrate reductase in excised **corn** *roots*. 027025
Clover root curculio [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, yield, and *root* **damage.** 028749
Two new anthraquinones from the *roots* of **Digitalis** orientalis. 026770
The properties of cinnamic acid 4-hydroxylase of aged swede [rutabaga] *root* **disks.** 027256
Studies on *root* **distribution** pattern of some high yielding paddy varieties. 027426
Root **dormancy** in Polyalthia longifolia Benth. And Hf. 026532
The role of **epicotyl** *roots* of maize. 027045
The quiescent centre in **excised** *roots* of Pisum sativum L. [Peas]. 027283
The effect of *non-root* **fertilizer** supplements on the physiological indices and cucumber yield in hydroponic greenhouses [Soiless culture]. 027301
Structure and configuration of new coumarins of the *roots* of **Ferula** mogoltavica. 026499

The effect of *root* and **foliar** nutrition on the growth, development and yield of mandarin orange fruits [Soil and foliardressing with fertilizers]. 030539
Heritability and genetic advance for *root* and **fruit** characters in radish. 026184
Triterpenoids of the *roots* of **Glycyrrhiza** uralensis. 026509
Preliminary attempts to reduce root knot nematode [Meloidogyne hapla] infestations on Chinese **gooseberry** *roots*. 028424
Root **gradients:** a new micro-technique for analyzing acid phosphomonoesterases [Lentils]. 027233
An experimental container for quantitative recording of *root* **growth** of young trees under varied conditions in the root region. 025544
Phytotoxic grass [Festuca arizonica, Muhlenbergia montana] residues reduce germination and **initial** *root* growth of ponderosa pine. 028451
In vitro synthesis of cytokinins in **isolated** *roots* of lupine (Lupinus albus L.) treated with leaf extracts. 026918
Synthesis and regeneration of proteins in **isolated** *roots* of Pinus sylvestris and Picea excelsa in a sterile culture. 027322
The orientation of certain root-nodule bacteria at interfaces, including **legume** *root-hair* surfaces. 026648
Effects of morphactin on the growth and amino acids content of **lentil** *roots*. 027149
Studies with detached **lupin** *root* nodules in culture. I. Maintenance and induction of acetylene reduction activity [Rizobium]. 027031
The *root* **maggot** [Oryzophagus oryzae, rice]. 028768
A possible role for intercisternal elements in the formation of secretory vesicles in plant golgi apparatus [**Maize** *roots*]. 026023
Studies on the secretion of **maize** *root-cap* slime. III. Histochemical and autoradiographic localization of incroporated fucose. 027037
Polyadenylated RNA from Vicia faba [broadbeans] **meristematic** *root* cells. Localization and size estimation of the poly(A) segment. 027170
Ultrastructure, composition, and biogenesis of the encapsulation material surrounding the endophyte in Alnus crispa var. **Mollis** *root* nodules. 025992
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, *root* **morphology,** transpiration and nitrogen absorption [Maize, barley]. 027061
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita *[root-knot* **nematode**] on tomato. 028147
A resistant response of citrus roots to the *root-knot* **nematode,** Meloidogyne javanica. 028390
Isolation, purification and characterization of a trypsin-like protease from the *root-knot* **nematode,** Meloidogyne incognita. 028404
Tryptophan and indole-3-acetic acid metabolism by Rhizobiummeliloti *[Root* **nodule** bacteria]. 030270
Accumulation of 4-aminobutyrate in Triflium subterraneum [subterranean clover] *root* **nodules:** effect of Rhizobium trifolii strain on aminotransferase activity. 026899
Chemical composition of Angelica [archangelica] *root* **oil** [Flavors for alcoholic beverages]. 022368
Root **patterns** in [grain] crops as related to water and nutrient uptake. 026963
Influnece of the culture method on the phytohormone excretion of **pea** *roots*. 027127
Diuretic effect of an extract from the *roots* of **Phytolacca** dodecandra l'Herit in the rat. 023273
Production of auxins by [coryneform] bacteria isolated from the *roots* of **pine** seedlings (Pinus silvestris L.). 027303
A microscopic-scale model of soil water uptake and salt movement to **plant** *roots*. 026832
Dynamic characteristics of growth of the **plant** *root* system and methods of their determination [Oats, barley]. 027000
Studies on the saponins of the *root* of **Platycodon** grandiflorum A. De Candolle. I. Isolation and the structure of platycodin-D. 026518
Mycoflora of the rhizosphere and *roots* of **pome** fruits in the Maritime Territory [Pathogenic fungi]. 028015
Isogosferol—a new furocoumarin form the *roots* of **Prangos** lophoptera. 026485
Possibility of **protecting** *true-rooted* grapes from Phylloxera. 028912
Control of **Pythium** *root* rot in five-degree tulips in the Netherlands and the United Kingdom. 027876
Increased susceptibility of Easter lilies to **Pythium** *root* rot as a result of infection by necrotic fleck virus complex. 027880
Pythium *root* rot of barley in southwestern Ontario. 027933
Preliminary attempts to **reduce** *root* knot nematode [Meloidogyne hapla] infestations on Chinese gooseberry roots. 028424
An experimental container for quantitative recording of root growth of young trees under varied conditions in the *root* **region.** 025544
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to control Pythium [ultimum] *root* **rot** [of Chrysanthemum morifolium]. 027914
A foot and *root* **rot** disease of tomato caused by Fusarium oxysporum. 027927
Fungistatic action of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and *root* **rot** of cereals]. 028011
Investigations on the susceptibility of maize hybrids against *root* **rot** [Fusarium, Aureobasidium bolleyi]. 028103
Study on varietal reaction to *root* **rot** disease of mulberry [Morus]. 028427
Resistance of soybeans to *root* **rots** and wilting [Fusarium, Verticillium, Sclerotinia]. 028118
Leaf water stress in Engelmann spruce [Picea engelmannii]: Influence of the *root* and **shoot** environments. 027336
Soybean *root* anatomy as influenced by soil bulk density. 025936
Amino acid transport systems of cultured **soybean** *root* cells. 026924
Nodulation responses from nitrogen [fertilizer] applied to **soybean** *half-root* systems. 030415
Validity of soil water evaporatin versus **square** *root* of time relation. 030248
Common scab of **sugarbeet** *roots* [Control]. 028108
The depth of plowing and the development of the *root* **system** [of cotton]. 027437
The effect of various levels of phosphorus fertilizers on the development of the *root* **system** and above-ground parts of the tea plant. 030540
Root **systems** of some species of annual cereal grains from Turkmenistan [in relation to soil moisture]. 026616
Investigations on the importance of the *root* **systems** of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Care of cabbage and **table** *root* crops [Culture]. 027777
Isolation and some properties of **taro** *root* starch. 022890
Annotated bibliography on *root* **temperature** and plant growth, 1967-1974 [Horticultural crops]. 027285
Root **temperature** and glasshouse tomato production [Equipment]. 029988
Development of liquid manure flora and its causes in the formation of plant species (use of *root* **test** to determine injuries from liquid manure) [Forage plants]. 028334
Fine structural and cytochemical analysis of phragmosomes (microbodies) during cytokinesis in Allium [sativum] *root* **tipcells** [Onions]. 026058
The effect of 3-indolylacetic acid on the accumulation of starch in the *root* **tissue** of Cichorium intybus L. [Chicory] cultured in vitro. 027097
On the specificity of sucrose for the growth of excised **tomato** *roots*. 027154
Crystal structure of pachyman triacetate. A preliminary report **[Tree** *root* fungus Poria cocos]. 026418
The cytotoxic action of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on *roots* of **Triticum** durum Desf. [Wheat]. 028341
Observations on the rhizomes and *roots* of **Vaccinium** membranaceum [huckleberry]. 026070
Annotated bibliography on the storage of *root* **vegetables** (beetroot, parsnips, radishes, swedes, turnips), 1968-1974. 022963
Role of membrane systems in the absorption of calcium by the *roots* of **Vicia faba** [broadbeans] (calcicolous) and Lupinus luteus [lupine] (calcufugous). 026704
Quantitative determination of vincanidine in the *roots* of **Vinca** erecta. 026493
Mtsvane kakhetinskii, a promising variety for a *true-rooted* **vineyard.** 027852
Distribution of salts in the *root* **zone** [Soil water]. 030232

ROOTSTOCKS

A relationship between stomatal density and growth potential in **apple** *rootstocks*. 027195
First results obtained in the aseptic culture of apical tissues of **apple** *rootstocks*. 027717
Vegetative disorders in the Japanese plum trees on **myrobalan** *rootstock* in the province of Valencia (Spain) [Apricot chlorotic leaf roll virus]. 028207
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of **plum** *rootstocks* and their possible relationship with the chlorotic leaf spot virus. 028168
Localisation of cherry leaf roll virus in Prunus avium x Prunus **pseudocerasus** *rootstocks*. 028185
Container production of cashew **seedling** *rootstocks*—seed germination in beds as an alternative to direct sowing. 027595
Growth response to latent virus infection of apple trees on **seedling** *rootstocks*. 028180
The number and size of [apple] fruits in relation to *rootstock* **type,** application of growth regulators, pruning, and fruit thinning [affect bitter pit development]. 028312
Effect of different *rootstocks* on **vigour,** yield and fruit quality of blood red orange (Citrus sinensis Osbeck) [Culture]. 027761

ROOTWORMS

Southern **corn** *rootworm* [Diabrotica undecimpunctata howardi]eggs in soybean fields. 028741

ROSA

The pests and diseases of the rose **bush** *[Rosa]*. 028362
The nature and taxonomic significance of the system of inheritance in *Rosa* **nanothamnus** (Rosaceae). 026097
Influence of temperature on the germination rate of rose *[Rosa]* **seeds.** 027215

ROSACEAE

The species concept and the taxonomy of the genus **Amelanchier** *(Rosaceae)*. 025651
The nature and taxonomic significance of the system of inheritance in Rosa **nanothamnus** *(Rosaceae)*. 026097

ROSES

Flower production and the accumulation and distribution of carbohydrates in different parts of **Baccara** *rose* plants as influenced by various pruning and pinching treatments. 027199
Mammillaria sheldonii (Britton & *Rose)* **Boedeker** [Cultivation]. 027775
Influence of clay dishes on growth of seedlings of Lemaireocereus griseus (Haworth) **Britton** & *Rose*. 027209
The pests and diseases of the *rose* **bush** [Rosa]. 028362
Propagation of **Dioscorea** *floribunda* from in vitro culture of single-node stem segments [Culture]. 027730
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and winter bloom production of the **glasshouse** *rose* 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
Graceful *roses* [Varieties]. 027806
Plantwetting and evaporative cooling of **greenhouse** *roses* and other flower crops. 027623
Roses for the **home** [Culture]. 027756
Tolerance of Botrytis cinerea and *rose* **powdery** mildew [Sphaerotheca ?pannosa]. 027934
Influence of temperature on the germination rate of *rose* **[Rosa]** seeds. 027215
Isoenzyme changes during the growth cycle of Paul's **Scarlet** *rose* cell suspensions. 027246

ROT

The occurrence of Fusarium oxysporum in soils, and on Narcissus and tulip **[Basal** *rot]*. 027883
Black *rot'* [Thielaviopsis paradoxa] of pineapple—a new record from south India. 027943
Black *rot* of apples and trials for its control. 027959
The effects of irrigation frequency and cultivars on premature cracking and **blossom-end** *rot* of watermelon fruits grown in the Sudan [Plant injuries]. 030632
Perforation and lysis of fungal spores in natural soils [Cochlioobolus sativus, **cereals,** *root-rot]*. 027976
Tolerance of Fusarium oxysporum f.sp.gladioli to benzimidazole fungicides [Gladiolus, **corm** *rot]*. 027884
A study on the influence of the structural chemical constituents of the skin of watermelon (Citrullus lanatus Sch.) fruit on the incidence of its *blossom-end-rot* and **cracking** [Rhysiological disorders]. 027178
Screening potato clones for resistance to **dry** *rot* (Fusariumsolani var coeruleum). 027900
Foot *rot* of cereals [Summaries of papers on fungus diseases]. 028105
A new **fruit** *rot* of brinjal (Solanum melongena L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. 027942
Utilization of nitrite nitrogen by four fungi [Gliocephalotichum bulbilium, Aspergillus] causing **'fruit** *rot'* diseases. 028079
Moisture control in laboratory tests with *wood-rotting* **fungi.** 025379
Hours and misfortunes of systemic fungicides in the control of **gray** *rot* [Botrytis cinerea] of grapes. 028092
Leaf scorch [Stagonospora curtisii] and **neck** *rot* [Botrytis narcissicola] in Narcissus. 027881
The genus Botrytis associated with the *rot* of **onion** bulbs. 2. Apothecia formation of Botryotinia squamosa Viennot-Bourgin isolated from onion leaves. 027889
Interactions of Pythium myriothylum with several fungi in peanut **pod** *rot* [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, Trichoderma viride]. 028055
Control of Pythium **root** *rot* in five-degree tulips in the Netherlands and the United Kingdom. 027876
Increased susceptibility of Easter lilies to Pythium **root** *rot* as a result of infection by necrotic fleck virus complex. 027880
Effectiveness of pyroxychlor, ethazol and diazoben used as cutting dips to control Pythium [ultimum] **root** *rot* [of Chrysanthemum morifolium]. 027914
A foot and **root** *rot* disease of tomato caused by Fusarium oxysporum. 027927
Pythium **root** *rot* of barley in southwestern Ontario. 027933
Fungistatic action of soil and survival of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and **root** *rot* of cereals]. 028011
Investigations on the susceptibility of maize hybrids against **root** *rot* [Fusarium, Aureobasidium bolleyi]. 028103
Study on varietal reaction to **root** *rot* disease of mulberry [Morus]. 028427
Measures of control of bamboo **shoots** *rot* [Coniosporium bambusae]. 028098
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of **soft** *rot* Pseudomonas [marginalis]. 028132
Prophylaxis of **storage** *rot* [Sugarbeets]. 028115
Alternaria [tenuis] *rot* of **sunflower** in Kuban. 028008
Effect of time of digging on incidence of Fusarium [basal] *rot* in **tulip** bulbs. 027877
The effect of membrane-active substances and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared **withtomato** *rot*, Botrytis cinerea]. 028026

ROTARY

Characteristic of the *rotary* **air** pump SVL-40. 029991
Effect of underpressure on performance and transportation efficiency of a *rotary* **air** pump [Equipment]. 029994
Rotary **cultivator** for working with straw. 030035
Possibilities of a further increase of the service life of knives of the *rotary* **grass** cutter RZS-160. 030004

A *rotary* **implement** attached to MF-70 motorobot [for soil tillage in breeding nurseries]. 026249
A study on the design of *rotary* **mower** as a power tiller attachment. 030115
Effect of *rotary* **soil** tillage on agrophysical soil properties and crop yields [Sugarbeets, wheat]. 030599
Studies on the effects of variation of tilling conditions on tilling torque in *rotary* **tiller.** 030018
Comparative test of *rotary* **tillers.** 030093

ROTATION
Observations on a ten year **crop** *rotation* test of the Changins Research Institute [Agronomy]. 027453
Minimum cultivation of soil from the viewpoint of **crop** *rotation* productivity and economics [Sugarbeet culture]. 027547
The effect of the structure of **crop** *rotation* on the composition of humus and nitrogen in soddy-podzolic soil. 027564
Potatoes in **crop** *rotations* of Polesye [Yields]. 027783
Crop *rotation* and herbicides. 028627
The effect of **crop** *rotations* on the properties of Sierozems. 030255
Balance of soil moisture in grain-sugarbeet **crop** *rotation.* 030383
Effectiveness of soil-protective **crop** *rotations* for erosion control in the forest-steppe zone of the Ukrainian SSR. 030600
Moisture supply and yield of sugarbeets in various groups of *rotated* **crops.** 027560
Soil-moisture studies in **fallow-barley** *rotation* under mulches, antitranspirant and type of seed bed. 027425
Short-rotation **hardwood** as a raw material for absorbent pulp. 025471
How to keep one-third of Georgia in pine **[Pinus,** *rotation].* 025253
Volume of wood and the current and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of *rotation* at the **poplar** experimental plantation of Veliko Polje. 025251
Productivity of grain crops in *rotations* of the **southeastern** districts of the Ukrainian steppes. 027562
Investigations on the effects of stubble and catch crop treatments on physical soil properties and yields in a **sugarbeet** *rotation* on a Pseudogley-Parabrown soil. 030257
Effect on subsequent feedlot performance of *rotating* or **withdrawing** dietary antibiotics from swine growing and finishing rations. 023762
Effect of six **4-year** *rotations* on yield, quality, and monetary return of sugarbeets in the Red River Valley (1971-74). 027527

ROTYLENCHULUS
Effect of inoculum level and plant age on pathogenicity of meloidogyne incognita and *Rotylenchulus* **reniformis** to tomatoand lettuce [Nematodes]. 028418

ROUGHAGE
Study on assessment of the quality of *roughage.* 2. **Comparative** value of orchardgrass hay and silage influenced by harvesting time and cutting frequency. 023066
Chewing time and volatile fatty acid production in steers **[Feed** *roughage].* 023856
Planning *low-roughage* rations [Cattle]. 023727
Cubing tests with grass forages and **similar** *roughage* sources. 023077
Whole wheat grain feeding of lambs. V. Effects of *roughage* and **wheat** grain mixtures. 023701

RUBBER
Control of black stripe disease [Phytophthora **botryosa]** of *rubber.* 028083
Experimental research to define the method of determination of the global migration of plastic and *rubbers* in **fatty** foods. II. 022531
Weed control in **immature** *rubber.* 028578
Model tests on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of soil microorganisms on the surface of **natural** *rubber* vulcanizates. 022479

RUBIACEAE
Further taxonomic notes on *Rubiaceae* in **Europe** [Galium, Cruciata]. 025793
A new name for Pentas **geophila** *(Rubiaceae).* 025727
Revision of the genus **Joosia** *(Rubiaceae)* [New taxa]. 025634
Wood anatomical classification using iterative character weighing *[Rubiaceae,* **numerical** taxonomic studies]. 025576
Contributions to the flora of Florida. 9. **Psychotria** *(Rubiaceae).* 025668
Chemistry of the *Rubiaceae.* 1. **Quinone** components of Putoria calabrica Pers. 026361
Studies in the *Rubiaceae*—**Rubioideae** for the Flora of Tropical East Africa. I. [New taxa]. 025737
New sectional names in Spermacoce and a new tribe **Virectarieae** *(Rubiaceae).* 025734

RUBIDIUM
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, *rubidium,* **strontium,** yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Note on the *rubidium* as a **substitute** for potassium in barley crop [Fertilizers]. 030469

RUBRUM *see* RED

RUBUS
A member of the apple mosaic virus group **occurring** in *Rubus.* 028167

RUMEN
Studies on the weaning and grazing of calves. 1. The grazing grasses [Dactylis, Ladino clover] and *rumen* **adaptation.** 023876
Studies on the mode of gas production in **artificial** *rumen* and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the rumen microbes of cattle fed beet pulp. 023576
Determination method of digestibility of forage dry matter and cell wall constituent by **artificial** *rumen*—neutral detergent treatment. 023873
Rumen **bacteria** and their metabolic interactions. 023427
Feeding, *rumen* **biochemistry** and milk production. 023934
Occurrence of Saccharomyces cerevisiae in the *rumen* of **cow.** 023443
Studies on the eructation mechanims in the sheep. III. The composition of the **eructated** *rumen* gases with different rations. 024255
Effect of cubing or baling alfalfa on *rumen* **function** [Cattle]. 023858
The effects of processing of barley-based supplements on *rumen* pH **[hydrogen-ion** concentration], rate of digestion and voluntary intake of dried grass in sheep. 023708
Levels of oxytetracycline in the *rumen* **juice** of cattle after its parenteral administration. 023669
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VI. On the gas production curves obtained by using the *rumen* **microbes** of cattle fed beet pulp. 023576
The *rumen* **microbial** ecosystem. 023245
Studies on the techniques of fractionation of bacteria in *rumen* **microbial** ecosystem. 023428
New inhibitors of methane production by *rumen* **micro-organisms.** Development and testing of inhibitors in vitro [Sheep]. 023317
New inhibitors of methane production by *rumen* **micro-organisms.** Experiments with animals and other practical possibilities [Sheep]. 023318
Gas metabolism in **ovine** *rumen* cultures on a nitrogen-deficient medium. 023357
Relationship between bacteria and ciliate protozoa in the **sheep** *rumen.* 023426
In vivo transfer of R factors between Escherichia coli strains inoculated into the *rumen* of **sheep.** 024605

RUMEX
Effectiveness of different herbicides against broad-leaved dock *[Rumex* **obtusifolius].** 028497

RUMINANTS
Feeding errors which cause lactic **acidosis** in *ruminants.* 023787
Relationship between ruminal ammonia and nonprotein nitrogen utilization by *ruminants.* II. **Application** of published evidence to the development of a theoretical model for predicting nonprotein nitrogen utilization. 023772
Nutrition of the *pre-ruminant* **calf.** 023831
Pathogenesis of fetal infection in *ruminants* **[Cattle].** 024470
Relationship between ruminal ammonia and nonprotein nitrogen utilization by *ruminants.* I. **Development** of a model for predicting nonprotein nitrogen utilization by cattle. 023771
The development of *ruminant* **digestion** in the calf. I. The digestion of barley and soya bean meal. 023697
Schistosomiasis in **domestic** *ruminants* in Bangladesh. 024740
Gastrin activity along the gastrointestinal tracts of some *ruminants* and the **donkey** [Cattle, goats, sheep]. 023416
Wood as an energy source for *ruminants* **[Feeding].** 023741
The use of dried grass in *ruminant* **feeding.** 023852
Estimated nutritive value of treated **forages** for *ruminants.* 023764
Intrinsic innervation of isolated smooth muscle of *ruminant* **forestomach.** 023567
Labile nitrogen reserves in the *ruminant.* **Metabolic** changesin growing cattle employing a nitrogen depletion-repletion treatment. 023536
Status and use of **native** *ruminants* in the tropics. 023163
Potential tetany hazard [to *ruminants]* of N **[nitrogen]-fertilized** bromegrass [Bromus inermis] as indicated by chemical composition. 026892
The role of organic sulphur in the copper-molybdenum-S interrelationship in *ruminant* **nutrition** [Sheep]. 023709
Thiomolybdates and the copper-molybdenum-sulphur interaction in *ruminant* **nutrition** [Sheep]. 023752
Protein, and amino-acid requirements of poultry, **pigs** and *ruminants.* 023850
Non-protein nitrogen as an alternative nitrogen source [in *ruminant* **rations].** 023849
The use of processed straw in **rations** for *ruminants.* 023853
In vivo modification of milk fat and body fat composition in *ruminants;* a **review.** 023588
Measurement of milk consumption in **young** *ruminants* [lambs and calves] using tritiated water. 023829

RUNOFF
Estimate of **annual** *runoff* based on individual elements of the water and heat balances. 030764
Using parametric models of *runoff* to **improve** parameter estimates for stochastic models [Water resource planning]. 030796
Snow research and predicition of snow **melt** *runoff* in Minnesota. 030709
Oversnow *runoff* events affect streamflow and water quality. 030703
Effect of forest management and improvement measures on **river** *runoff.* 025175
Effect of liman irrigation **[snowmelt** *runoff]* on soil moisture content and productivity of rangelands. 030761
Sampling procedures for nitrogen and phosphorus in **[watershed]** *runoff.* 025063
A finite-element approach to **watershed** *runoff*—a discussion. 030663

RUPPIA
Ruppia-communities in the **Camargue,** France. Distribution and structure in relation to salinity and salinity fluctuations. 025870

RUPTURES
Rupture of the **caecum** at parturition [Horses]. 024973
Juvenile hormone titre in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after **experimental** *rupture* of diapause. 029270
Rupture of the **gallbladder** in the canine and it's surgical correction; a case report. 024993

RURAL
The evolution of **alternative** *rural* development strategies in Ethiopia: implications for employment and income distribution. 021680
Economics of *rural* **ambulance** service in the Great Plains [Health]. 021073
The technological appropriation process *[Rural* **areas].** 021125
Selected socio-economic characteristics of Kohistan and Panjsher districts, Kapisa province, Afghanistan *[Rural* **areas].** 021130
Tourism and recreation in *rural* **areas.** Aspects of land use planning and structural change [Bibliography]. 021161
Community planning and decision making to attract industry [for *rural* **areas].** 021743
Factors determining the location of industrial activity *[Rural* **areas].** 021747
Industry's viewpoint of *rural* **areas.** 021748
The policy framework for settling the Canadian West 1870-1880 *[Rural* **colonization].** 021158
Problems in *rural* **communities** after industry arrives. 021751
Regional coordination of *[rural]* **communities** with industrialization potential. 021753
Rural development and *rural* **communities** of the future. 021754
Vitamin A nutritional status of *rural* **community** of Khol block in Haryana, North India. 022011
How the *rural* **community** fire protection program can help you. 029936
Aspects of *rural* **credit** [Angola]. 021434
Handicrafts: a source of employment for women in **developing** *rural* economies. 021114
Rural **development** through extensive network of roads. 021122
Land tenure and *rural* **development** in Pakistan. 021202
Impact of transportation of agricultural inputs and products on *rural* **development** in the Great Plains. 021573
Alternative futures for nonmetropolitan population, income, employment, and capital *[Rural* **development].** 021683
A conceptual framework for *rural* **development.** 021730
Factors affecting *rural* **development** in the [Great] Plains: a panel. 021733
Major problems in *rural* **development** unique to the Great Plains: a panel. 021735
Problems unique to the Great Plains as related to *rural* **development:** a panel. 021736
Rural **development** in the Great Plains: problems and potentials. Seminar of the Great Plains Resource Economics Committee of the Great Plains Agricultural Council; October 16-17, 1974, New Mexico State University. 021737
Rural **development** and quality of life in the Great Plains: a panel. 021738
Rural **development** and quality of life in the Great Plains: a panel. 021739
Rural **development** in areas of the Great Plains with declining natural resources: a panel. 021740
Company officials and community leaders *[Rural* **development** programs]. 021744
Corporate and community decision making for locating industry *[Rural* **development].** 021745
Location of industrial production and distribution *[Rural* **development].** 021749
Rural **development** and rural communities of the future. 021754
Is the compulsory discount of the salary of *rural* **dwellers** to contribute in favor of the syndicate legal? 021793
Notes on the interlake FRED [Fund for *Rural* **Economic** Development] evaluation approach [Policies]. 021701
Some agro-economic results obtained, one part by the National Institute of Management and *Rural* **Economy,** with the supporters of its management and rural economy centers and, the other part, by the National Center of Study and Experimentation of Agricultural Machinery, with its network of agricultur. 021166
Alternative strategies for locating transmission lines *[Rural* **electrification].** 029914
Wheat in the *rural* **extension** program of Angola [Culture]. 027490
The potato in the *rural* **extension** program of Angola [Culture]. 027823

Applying **Federal** *rural* development programs to Great Plains conditions. 021731
Landowner behavior at the *rural-urban* **fringe** in response to preferential property taxation. 021407
The *"Rural* **Future"**, a half century of service to farmers [Rural organizations]. 021265
Caring for others in Pennsylvania *[Rural* **health]**. 021091
Caring for others in Montana *[Rural* **health]**. 021092
Trends in infant mortality, North Carolina: 1940 to 1970 *[Rural* **health]**. 021129
Effects of *rural* **industrilization** on labor demand and employment. 021746
Note on impact of new technology on employment and earnings of *rural* **labour**. 021244
Emergency livestock "line of credit" guarantees [Farmers Home Administration, *rural* **loans**. 021421
Return migration to a **marginal** *rural* area. An example from north Norway. 021145
The "Rural Future", a half century of service to farmers *[Rural* **organizations]**. 021265
Protection and management of *rural* **parks** in Poland. 025551
Structural dependency, modes of production and economic brokerage in *rural* **Peru**. 021276
A *rural* **second** home [Non-resident landowners]. 021189
Rural **social** differentiation and political goals in Tanzania. 021102
Chinese agriculture and *rural* **society** [Policies, production]. 021689
Concept of social action in the country *[Rural* **sociology]**. 021079
Tuareg people and development *[Rural* **sociology]**. 021126
The impact of schools on learning achievement of children *[Rural* **sociology]**. 021137
Free from where to where? *[Rural* **sociology]**. 021156
Trends in *rural* and **urban** land uses in Canada. 021183

RUSSULA

Interesting and new species of Basidiomycetes [Campanella, *Russula,* **Fungi**] from Ecuador. 025771
Some common North American species of *Russula* **subsect.** Emeticinae [Fungi, new taxa]. 025782

RUST

Bean *rust* [Uromyces phaseoli typica]. 027956
Nonroot liquid [aerial] fertilization of wheat and the development of **brown** *rust*. 028113
Ultrastructural changes in host-parasite interface of **chrysanthemum** *rust* [Puccinia horiana] treated with oxycarboxin. 027985
Present situation of **coffee** *rust* (Hemileia vastatrix) in Latin America. 028088
Anivax, a new Esso product for controlling **coffee** *rust* [Hemileia vastatrix]. 028091
Development of the stem and **crown** *rust* fungi on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [**Crown** *rust* fungus, oats, wheat, Puccinia graminis tritici]. 028052
Rust **fungi** (Uredinales) in the Lithuanian SSR. 028022
Influence of formulation on efficacy of three systemic fungicides for control of oat **leaf** *rust* [Puccinia coronata avenae]. 027926
Rust on **liana** Dioscorea nipponica Makino. 028023
Population injury levels and sampling of the **pear** *rust* mite [Epitrimerus pyri] on pears in southern Oregon. 028871
Methods of determining the amount of sores produced by *rust* and other **phytopathogenic** fungi. 028014
Amino acid content and digestible energy value of sprouted, *rust-affected* and **sound** wheat in pig diets. 023015
Chemical control of **soybean** *rust* [Phakopsora pachyrhizi]. 028081
Study on host reaction of some selected varieties of **soybean** *rust* [Phakopsora pachyrhizi]. 028086
UV [ultraviolet] light inactivation kinetics of wheat **stem** *rust* uredospores [Puccinia graminis]. 027874
On the presence of the gene Sr 5 in some European cultivars [Wheat, **stem** *rust* resistance, Puccinia graminis tritici]. 027937
Physiologic races of oat crown [Puccinia coronata avenae] and **stem** *rust* [Puccinia graminis avenae] in Italy, 1974. 027938
Induced susceptibility or induced resistance as causes of host-parasite specificity [Wheat, **stem** *rust,* Puccinia graminis tritici]. 027971
Peculiarities of wheat **stem** *rust* [Puccinia graminis] races prevailing in the Georgian SSR. 028020
The racial composition of the pathogen of **stem** *rust* of oats, Puccinia graminis Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Photocontrol of fungal spore germination [Puccinia graministritici, wheat **stem** *rust].* 028077
A historical account of **wheat** *rust* [Puccinia] epidemics in India, and their significance. 027935
Presence of **wheat** *rust* [Puccinia] uredospores over the Rohtang pass (3,954 m) in the interior of the Himalayas [India]. 027939
Study of the infection process by **wheat** *rust* using luminescent microscopy. 028024
Specimens of spring wheat [varieties] resistant to races of stem and **yellow** *rust* [Puccinia graminis tritici, Puccinia glumarum]. 026261
Genetic control of durable resistance to **yellow** *rust* (Puccinia striiformis) in the wheat cultivar Hybride de Bersee. 027897
Deposition of Puccinia striiformis [**yellow** *rust]* uredospores on adult wheat plants in laboratory experiments. 027936
The **yellow** *rust,* Puccinia striiformis West. 028032

RUTABAGA

The properties of cinnamic acid 4-hydroxylase of aged swede *[rutabaga]* **root** disks. 027256
The response of swede *[rutabaga]* **varieties** and their hybrids to soil pH [hydrogen-ion concentration]. 027423

RUTACEAE

Notes on **Euodia** *(Rutaceae)* in the Mascarene Islands [New taxa]. 025735

RUTELIDAE

New *Rutelidae* from India [Anomala hirticollis, Prodoratus maculithorax]. 029573
New Melolonthidae and *Rutelidae* from the **Zoological** State Collection, Munich. 029571

RUTIN

Rutin and other **polyphenols** of the herbage of Coriandrum sativum. 026496

RYE

Distribution of grain size in **baked** *rye* chips. 022749
Distribution of grain size in **baked** *rye* chips. 022750
Rheology of *rye* **dough**. III. Model test of clarification of viscose behavior in dough in rising temperatures. 022763
Quality of *rye* **harvest** in 1975. 022752
Controlling the quality of *rye* before the **harvest**. 027746
Rye **production** in Manitoba. 027481
Investigations on valence crosses in *rye* **(Secale** cereale L.). IV. Meiotic pairing and seed setting in tetraploid hybrids. 026094
Effect of temperature on respiration of mitochondria and shoot segments from cold-hardened and nonhardened wheat and *rye* **seedlings**. 027021
Studies on the intraindividual and interindividual variation of chromosome pairing in diploid and **tetraploid** *rye* populations. I. Intraindividual variation. 026095
Determination of unfrozen water in winter cereals at subfreezing temperatures [**Wheat,** *rye].* 027018
Accelerated improvement of **winter** *rye* with production of two generations in the course of one year. 027532
Use of urea and growth substances in **winter** *rye* and oats [Yields]. 027553

RYEGRASS

Location and management of **Italian** *ryegrass* [Lolium multiflorum] meadow. 027452
New varieties of Dactylis [glomerata], meadow fescue [Festuca pratensis], and **Italian** *ryegrass* [Lolium multiflorum westerwoldicum] recommended for forage production. 027500
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of **Italian** *ryegrass* [Lolium multiflorum] grown on magnesium deficient soil. 030484
Spotted response of **overseeded** *ryegrass* [Lolium perenne] tosulfur-coated urea [Turfgrasses, fertilizers]. 027105
Green Isle—a promising new variety of **perennial** *ryegrass* [Lolium perenne]. 027406
Kentucky bluegrass [Poa pratensis] and **perennial** *ryegrass* [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] dollar spot. 028069
Liming effects on the toxicity to **perennial** *ryegrass* [Lolium perenne] of a sewage sludge contaminated with zinc, copperand chromium. 028360
Wild oat control in Kentucky bluegrass [Poa pratensis] and **perennial** *ryegrass* [Lolium perenne]. 028625
Yield, chemical composition and dry matter intake of **R.v.P** *ryegrass* varieties [Lolium, sheep]. 023071
Contribution of leaves and stems to yield and quality of Russian **wild** *ryegrass* [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. 023019

SACCHARIDES

Luminescence studies of *saccharide* **binding** to wheat germ agglutinin (lectin). 026955

SACCHARINE

The *saccharine* **disease.** 022093

SACCHAROMYCES

Glycogen, a physiological determinant of yeast *[Saccharomyces* **carlsbergensis]** flocculation? 026454
The relationship of acid-soluble glycogen to yeast *[Saccharomyces* **carlsbergensis]**. 026460
Effects of thiamine and pyridoxine on the respiratory activities of *Saccharomyces* **carlsbergensis** [Yeasts]. 026591
Sterol-binding polysaccharides of Rhizopus arrhizus, Penicillium roquefortii and *Saccharomyces* **carlsbergensis** [Fungi]. 026763
Increase of NADase activity during storage of pressed baker's yeast *[Saccharomyces* **cerevisiae]**. 022369
The biosynthesis of aroma compounds by microorganisms. I. Formation of N-acetyl-amines by *Saccharomyces* **cerevisiae** [Yeasts]. 022554
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of sake [rice beer] yeast *[Saccharomyces* **cerevisiae]**. 022778
Occurrence of *Saccharomyces* **cerevisiae** in the rumen of cow. 023443
Fine structure of the yeast cell accompanied by changing the growth phase *[Saccharomyces* **cerevisiae]**. 026010
CYP3 a likely candidate for the structural gene of iso-2 cytochrome C in *Saccharomyces* **cerevisiae** [Yeasts]. 026089
Host-mediated assay and urinary assay with the same mice for the detection of chemical mutagens in *Saccharomyces* **cerevisiae** [Yeasts]. 026093
Action of "colonie lisse" mutation on cell morphology of *Saccharomyces* **cerevisiae** [Yeast]. 026117
Saccharomyces **cerevisiae** petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral petite [Yeasts]. 026125
The Genetic effects of elevated temperature in the yeast, *Saccharomyces* **cerevisiae.** 026162
Gene dosage effects in polyploid strains of *Saccharomyces* **cerevisiae** [Yeasts] containing gua-1 wild-type and mutant alleles. 026193
Induction of petite mutations during germination and outgrowth of *Saccharomyces* **cerevisiae** [yeasts] ascospores. 026194
Simple and sensitive procedure for screening yeast *[Saccharomyces* **cerevisiae]** mutants that lyse at nonpermissive temperatures. 026196
Sporulation in D-glucosamine auxotrophs of *Saccharomyces* **cerevisiae** [yeasts]: meiosis with defective ascospore wall formation. 026197
Regulation of the ilv 1 multifunctional gene in *Saccharomyces* **cerevisiae** [Yeasts]. 026215
The mating reaction in yeast *[Saccharomyces* **cerevisiae]**. II. Spontaneous occurrence of omnimating types. 026216
A kinetic analysis of spontaneous p-mutations in yeast *[Saccharomyces* **cerevisiae]**. 026220
Ethidium bromide mutagenesis in yeast *[Saccharomyces* **cerevisiae]:** protection by anaerobiosis. 026221
Frequency of nonsense mutations (amber and ochre) induced by UV [ultraviolet] light in the ura3 gene in *Saccharomyces* **cerevisiae** [Yeasts]. 026222
Genetic activity of niridazole in yeast *[Saccharomyces* **cerevisiae]**. 026223
Induction of p- mutants in *Saccharomyces* **cerevisiae** [yeasts] by guanidine hydrochloride. II. Conditions that prevent p- induction. 026225
Repair of UV [ultraviolet]-induced DNA damage and survival in yeast *[Saccharomyces* **cerevisiae]**. I. Dimer excision. 026226
The effect of caffeine on survival of UV-[ultra violet]-irradiated diploid yeast *[Saccharomyces* **cerevisiae]** strains of different sensitivities. 026227
Analysis of inheritance of the sensitivity of yeast *[Saccharomyces* **cerevisiae]** to radiation and nitrous acid. 026283
Regulation of transcription in yeast *[Saccharomyces* **cerevisiae]**. 026339
The amino acid sequence of purothionin A, a lethal toxic protein for brewer's yeasts *[Saccharomyces* **cerevisiae]** from wheat [flour]. 026350
The isolation and characterization of perixosomes (microbodies) from baker's yeast, *Saccharomyces* **cerevisiae.** 026383
Evidence for three glutamic acid transporting systems with specialized physiological functions in *Saccharomyces* **cerevisiae** [Yeast]. 026393
Subunit interactions in yeast *[Saccharomyces* **cerevisiae]** glyceraldehyde-3-phosphate dehydrogenase. 026405
Isolation and properties of an arginine-binding protein from *Saccharomyces* **cerevisiae** [Yeasts]. 026552
Microbody of methanol-grown yeasts *[Saccharomyces* **cerevisiae]**. Localization of catalase and flavin-dependent alcohol oxidase in the isolated microbody. 026554
Temperature-sensitive mutants of the yeast *[Saccharomyces* **cerevisiae]** fatty-acid-synthetase complex. 026555
Timing and function of chitin synthesis in yeast *[Saccharomyces* **cerevisiae]**. 026626
Effectiveness of various unsaturated fatty acids in supporting growth and respiration in *Saccharomyces* **cerevisiae** [Yeasts]. 026627
Requirements for unsaturated fatty acids for the induction of respiration in *Saccharomyces* **cerevisiae** [Yeasts]. 026630
Serological specificities of sake [rice beer] yeasts *[Saccharomyces* **cerevisiae]**. 026642
Thermal injury and recovery of *Saccharomyces* **cerevisiae** [Yeast]. 026644
Loss of cytochrome oxidase in *Saccharomyces* **cerevisiae** [Yeasts] during inhibition of mitochondrial protein synthesis by erythromycin and chloramphenicol. 026647
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast *[Saccharomyces* **cerevisiae]** irradiated with low doses of ultraviolet light. 026650
Influence of energy metabolism on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast *[Saccharomyces* **cerevisiae]**. 026824
Studies on the energy metabolism during the respiratory process by Baker's Yeast *[Saccharomyces* **cerevisiae]**. 026825
The formation of higher alcohols by amino acid auxotrophic mutants of *Saccharomyces* **cerevisiae** [yeasts]. III. Higher alcohols as byproducts of the biosynthesis of amino acids. 026868

Study of nature of interrelations of yeast of the **genus** *Saccharomyces* in champagne manufacture. 022998
Comparative genetics of yeast. XIV. Analysis of wine strains of *Saccharomyces* **neutral** to killer strain of type k2. 026284
Osmophilic yeasts *[Saccharomyces* **rouxii]** in preserved ginger products. 022503
Electron microscopic observations on the meiotic karyotype of diploid and **tetraploid** *saccharomyces* cerevisiae [Yeasts]. 026236
Cytogenetic demonstration of mitotic chromosomes in the **yeast** *Saccharomyces* cerevisiae. 026214
Induction of DNA double-strand breaks by X-rays in a radiosensitive stain of the **yeast** *Saccharomyces* cerevisiae. 026224

SACCHARUM
Heating and weight-loss sequences in maple **[Acer** *saccharum]chip* piles and the effect of borax. 025509
Debarking chips from whole trees [Populus, **Acer** *saccharum,* Pinus banksiana] in the Lake States. 025534
The dynamics of Hueston Woods and a review of the question of the successional status of the southern beech-maple forest [Fagus grandifolia, **Acer** *saccharum].* 025889
Leaf surface effects of environmental pollution on sugar maple **(Acer** *saccharum)* in Montreal. 030820
The origin of sugarcanes and centres of genetic diversity in *Saccharum:* an **enquiry** to determine the most profitable areas to explore for sugarcane germplasm. 026298
Preliminary notes on the leaf waxes of *Saccharum* **officinarum** [sugarcane] and related species. 027052
2n=80 *Saccharum* **spontaneum** and the origin of sugarcane. 026299

SACS
Studies on the *honey-sac* **contents** and pollen loads of honeybees [Apis mellifera]. 2. Honey-sac contents of foraging bees. 029829
The role of subsidiary sperm cells in **embryo** *sacs* of Angiospermae for investigating the process of double fertilization. 026617
Cytochemical investigations of the megasporocyte and **embryo** *sac* in Lilium regale at various stages of development. 027094

SAFETY
Some stability and *safety* **aspects** of intermediate moisture foods. 022463
Toxicological decisions and recommendations resulting from the *safety* **assessment** of pesticide residues in food. 029093
Safe **chain** saw operation requires knowledge of accident causative factors [Timber falling]. 025456
Safety **considerations** with high ascorbic acid dosage. 022044
System of management and control of work with explosives in Czechoslovakia *[Safety* **engineering].** 029982
Some experiences relating to **food** *safety.* 021878
Safety of **heavy** metals as nutritional markers [Mice, monkeys]. 021876
Introduction to heavy metal toxicity, *safety* and **hormology** [Nutritional and toxic effects in humans]. 021874
Rational and *safe* use of **pesticides.** 029189
Outdoor *safety* **tips.** 025057
Considerations on the stability of **tractor** *safety* frames in over-turning, especially of those equipped with replacements. 030076

SAFFLOWER
Alternaria **carthami** on *safflower.* 027867
Effects of dietary triglyceride on the properties and lipid composition of plasma lipoproteins: acute experiments in rats **fed** *safflower* oil. 022151
Weed control in winter legumes and in *safflower* with **Kerb** 50. 028518
Thermal reaction of *safflower* **oil** fatty acid methyl esters in the presence of iodine: identification of reaction products. 022813
Use of *safflower* **seedlings** for the detection and isolation of Phytophthora cactorum from soil and its application to population studies. 028064

SAGE
Water relations of selected species of chaparral and **coastal** *sage* communities. 025898

SAGEBRUSH
Know your *sagebrush* **[Artemisia]**—and better your range. 028594
Prescribed burning—effective control of *sagebrush* and **open** juniper [Artemisia, Juniperus, range management]. 028595

SAINFOIN
A comparative study of the pollen of diploid and autotetraploid forms of species of **Onobrychis** L. *[Sainfoin].* 026136

SAISSETIA
Survival of hemispherical scale *[Saissetia* **coffeae,** a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticdes. 028853

SAKE
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of *sake* **[rice** beer] yeast [Saccharomyces cerevisiae]. 022778
Serological specificities of *sake* **[rice** beer] yeasts [Saccharomyces cerevisiae]. 026642

SALARIES
An analysis of *salaries* and **personnel** characteristics in the fruit industry of northcentral Washington. 022887
Position paper on **recommended** *salaries* and employment practices for members of the American Dietetic Association. 022270
Is the compulsory discount of the *salary* of **rural** dwellers to contribute in favor of the syndicate legal? 021793

SALINITY
Transformation of clay minerals under *saline* and **alkali** soil conditions. 030322
Possibilities of reclamation of *saline* and **alkali** soils of arid salines of Saurashtra. 030591
Ion exchange removal of carbonates from *saline* **calcareous** soils prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. 030341
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in **calcareous** *saline* soil suspensions. 030348
Seasonal variation of turtle grass, Thalassia testudinum Konig, with reference to temperature and *salinity* **effects.** 026374
Ruppia-communities in the Camargue, France. Distribution and structure in relation to salinity and *salinity* **fluctuations.** 025870
Acute effect of hypophysectomy on the natriuresis **following** *saline* infusion in dogs. 023405
Changes in renal hemodynamics and sodium excretion during *saline* **infusion** in lambs. 023180
Response of the marine angiosperm Phyllospadix torreyi to certain environmental variables: a preliminary study *[Salinity,* **light,** temperature]. 026373
Halophytes: adaptive **mechanisms** *[Salinity].* 026587
Effect of presoaking seed treatment with indole-acetic-acid on wheat under different *salinity* **regimes** coupled with SAR and boron levels. 027418
Ruppia-communities in the Camargue, France. Distribution and structure in relation to *salinity* and **salinity** fluctuations. 025870
Effect of *saline-sodic* **soil** on some quantitative characters of different genotypes in Indian mustard Brassica juncea L Czern & Coss. 026180
The response of cell sap concentration and water content in cotton leaves to different combinations of **soil** *salinity* and nitrogen levels. 027062
Soil *salinization* in the Murgab Oasis. 030254
Germinating capacity of some maize open pollinated varieties, inbreds, hybrids, synthetics and composites in *saline* **substrate.** 026965
Effects of temperature and *salinity* **variations** on photosynthesis of some littoral seaweeds of the North Adriatic Sea [Algae]. 026425
Use of *saline* **water** for irrigated soils in arid & semi-arid zones of Rajasthan. 030660

SALIVARY
Effect of intravenous infusion of **artificial** *saliva* on changes in acid-base status of sheep during eating. 023573
DNA replication and DNA puffs in *salivary* **chromosomes** of Rhynchosciara. 029305
Chromosome studies of oriental anophelines. III. The *salivary* **gland** chromosomes of Anopheles subpictus. 029482
On the fine structure of *salivary* **glands** of goat and dog. I. Parotid gland. 023346
Salivary **glands** of female Culex pipiens: morphological changes associated with maturation and blood-feeding. 029004
Control of fluid secretion by **isolated** *salivary* glands of the lone star tick [Amblyomma americanum]. 029408
Sympathetic and sympathomimetic stimulation of **parotid** *salivary* secretion in sheep. 023553

SALIX
About the cultivation of poplar and willows *[Salix]* in **Romania.** 025242
Usability of white **willow** *(Salix* alba L.) for industrial purposes. 025292
Willows *(Salix)* and their importance for bees (Apis mellifera). 029770
Willows *(Salix)* and their importance for bees [Apis mellifera]. 029771

SALMONELLA
Bovine *salmonellosis:* Incidence, economic implications, epizootiology. 024648
Salmonellosis in **canaries** [Salmonella typhimurium]. 024450
Epidemiology of *salmonellae* [in **cattle]** and fertilizing of grassland with sewage sludge. 030572
Studies on Salmonella in domestic animals. I. *Salmonella* **cultures** isolated from dogs slaughtered in Gang-Weon Province. 024694
Elimination of *Salmonella* from **fermented** pork by gamma irradiation. 021959
Study of *Salmonella* in **frozen** meat (estimation of the presumptive test on lysine-iron-cystine-neutral red). 021843
Salmonellosis in a **human** infant, a cat, and two parakeets in the same household [Salmonella typhimurium copenhagen]. 024586
Stimulation of protective immunity to *Salmonella* **Kauffmann-White** group N serotypes by Brucella abortus and Yersinia enterocolitica antigens [Mice]. 024479
Application of the direct fluorescent antibody technique for the detection of *Salmonella* in the **mesenteric** lymph nodes of normal slaughter pigs. 024416
Thermal susceptibility of *Salmonella* in the **Moroccan** food snail, Helix aspersa. 021916
Incidence of *Salmonella* in **pig** meat in west Bengal and its public health significance [Food contamination]. 021902
Influence of age on the serological response of chickens to *Salmonella* **typhimurium** infection. 024440
Salmonellosis in canaries *[Salmonella* **typhimurium].** 024450
An outbreak of *Salmonella* **typhimurium** infection in a farm of dairy-breed male calves. 024483
Salmonellosis in a human infant, a cat, and two parakeets in the same household *[Salmonella* **typhimurium** copenhagen]. 024586

SALSOLA
Investigation of radioprotective action of *Salsola* **arbuscula.** 026854
Postemergence control of Kochia [scoparia] and Russian thistle *[Salsola* **kali** tenunifolia] in early spring [Sugarbeets]. 028490
Spectrophotometric assay of salsolidine hydrochloride *[Salsola* **richteri].** 026623

SALTATORIA
Rearing and breeding of European grasshoppers (Orthoptera: *Saltatoria)* in the **laboratory.** 029511

SALTBUSH
Fourwing *saltbush* [Atriplex canescens] for land rehabilitation in Iran and Utah [Range management]. 027556

SALTICIDAE
The influence of hunting manner on prey size, particularly in spiders with long attack distances (Araneidae, **Linyphiidae,** and *Salticidae).* 029206

SALTS
Physical properties of normal and *salt* **affected** soils of Uttar Pradesh. 030225
The effect of different methods of *salting* on **certain** groups of bacteria and ripening of Gouda cheese. 022639
The change of the *salt* **composition** of reclaimed lands [in Azerbaijan]. 030683
Effect of **deicing** *salts* on woody vegetation along Minnesotaroads; final report, 1975 [Injuries]. 025059
A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- **free** *salt* solution. 023383
Effect of sodium alkalis and *salts* on pH **[hydrogen-ion** concentration] and flavor of soymilk [Soybeans]. 022783
Management for the control of *salts* in **irrigated** soils. 030582
Continuing studies on the brine flies of the Great *Salt* **Lake.** 029479
Interstitial protozoa and algae of **Louisiana** *salt* marshes. 025910
Primary production and substrate selective properties of selected **maine** *salt* marsh plants. 026432
Proximate nutritive value changes during decomposition of *salt* **marsh** plants [Spartina cynosuroides, Distichlis spicata, Scirpus americanus]. 022104
Some environmental factors affecting the daily and seasonal movements of the *salt* **marsh** greenhead, Tabanus nigrovittatus. 029012
Osmophilous fungi in the *salt* **marshes** of Kuwait. 030191
Quantitative determination of supplemental vitamin C in **mineral** *salt* mixtures. 022225
A microscopic-scale model of soil water uptake and *salt* **movement** to plant roots. 026832
Toxicology of non-radioactive heavy metals and their *salts* **[Nutritional** and toxic effects on animals]. 024951
Water-salt **regime** of soils of the Inguletskii irrigation system. 030748
Distribution of *salts* in the **root** zone [Soil water]. 030232
Santoquin *salts* as stabilizers of carotene [Vitamins in feed]. 023086
Dependence of the quality of muscadine and red grape varieties and wines on the content of **sodium** *salts* in the soil. 022988
Evolution of chlorinated phenols from concentrated boron solutions containing these phenols added as their **sodium** *salts* [Wood preservation]. 025465
Salt **status** of some soils of the Slave River Lowlands in Canada's Northwest Territories. 030197
Determination of **table** *salt* content in cheese. 022601
The effects of *salt* **treatment** of fish on the developmental biology of Dermestes maculatus (Coleoptera, Dermestidae) and Necrobia rufipes (Cleridae). 028974

SALVELINUS
Dieldrin and DDT: accumulation from water and food by lake **trout** *(Salvelinus* namaycush) in the laboratory. 029155

SALVIA
Unsaturated C18 alpha-hydroxy acids in *Salvia* **nilotica.** 026666

SAMBUCUS
Taxonomic and biological remarks concerning Macrophya (Hymenoptera, Tenthredinidae) developing on *Sambucus* **(Caprifoliaceae).** 029538
Cherry leaf roll virus in *Sambucus* **ebulus** L. 028173

SAMIA
Insect immunity. II. Simultaneous induction of antibacterial activity and selective synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and *Samia* **cynthia.** 029373
Ecological adjustment of hormone controlled processes in *Philosamia* **cynthia** Dru. 029501

SAMPLING
Improvement of the techniques of *sampling* and **analyzing** [raw] cotton. 022793
Sampling **broiler** house litter for coccidial oocysts. 024473
Sampling from **containers,** kegs, tanks and drums [Food bacteria]. 021900
Sampling **dormant** apple twigs to estimate the density of eggs of the European red mite [Panonychus ulmi]. 028852
Variations in the apparent nutrient content of foods: a study of *sampling* **error.** 022060
Simple designs of **gas** *sampling* in field soils and measuring contents of carbon dioxide and oxygen. 030227
Studies on quality control for Satuma mandarin oranges. I. On the classification method for stored Satsuma mandarin by *sampling* **inspection.** 021860
Sampling **milk** and reporting information for DHIA [Dairy Herd Improvement Association] Tests. 022556
A test of *point-sampling* in **northern** hardwoods. 025171
Population injury levels and *sampling* of the **pear** rust mite [Epitrimerus pyri] on pears in southern Oregon. 028871
Sampling **procedures** for nitrogen and phosphorus in [watershed] runoff. 025063
A simple method for the *sampling* of **respiratory** gas in conscious dogs. 023607
A new method of *sampling* **ULV** [ultra low volume] droplets [Insecticides]. 028671

SAND
The use of **calcareous** *sand* in Abu Dhabi as a growing medium in the sand culture system [to produce vegetables]. 027646
The mycoflora of *sandy* **desert** soils covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the Repetek Reservation. 025747
Ecological study on the *sand* **dune** in the west coast of Taiwan. 025882
Mineralogical study of the **fine** *sands* from the western fringe of Haryana. 030223
The effect of fertilizers on sclerophyll (heath) vegetation-the problems of revegetation after *sand-mining* of **high** dunes. 030524
Electrical potentials during water entry into an air-dry mixture of *sand* and **kaolinite** [Soil-particle surfaces]. 030338
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and tomato production in a *sandy* **loam** greenhouse soil. 028345
One-dimensional volume change characteristics of *sands* under very **low** confining stresses. 030360
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in *sandy,* **peaty** and silt loam soils by oximecarbamate and organophosphate nematicides. 028327
Reforestation of the *sandy* **regions** of the Terek-Kuma and Astrakhan. 025213
Influence of degree of shear stress reversal on the liquefaction potential of **saturated** *sand.* 030356
Agropyron junceum and Ammophila arenaria: two pioneer plants in **silt** and *sand.* 026681
Clay mineralogy of some Indian soils in relation to mineralogy of the *sand* and **silt** fractions. 030301
Examination of power machines of high output, which are applicable for large-scale vine plantations on *sandy* **soil.** 030098
A new procedure for strengthening and reforestation of **technogenic** *sands.* 025204
Pine stands on the **Terek-Kuma** *sands.* 025042

SANDWICH
20 creative & **convenient** *sandwich* suggestions. 022307
Create **super** *sandwiches* with ingenuity, convenience items and new flavor combinations. 022306

SANITATION
Role of *sanitation* in the **adoption** of the All-Union State Standard for milk [Quality]. 021988
Sanitary-hygienic **basis** for distances between livestock quarters [Designs]. 024387
Studies on the administration of **food** *sanitation,* especially for the theoretical development of probability process. 021856
Studies on the administration of **food** *sanitation:* an attempt to establish a methodology for quantitative administrative hygiene. 021857
North Carolina started pullets: management, integrity, *sanitation,* **immunization.** 023105
Sanitation **means** more than looking clean. 022338
New *sanitary* regulations [Pesticides]. 029188
Problem: how to update a *sanitation* **program;** Solution: a home study course. 022337
Controlling sulfides in *sanitary* **sewers** using air and oxygen. 030872

SANTALACEAE
Contributions to a knowledge of the **Macaronesian** *Santalaceae* R. Br. [New taxa]. 025685

SAP
The response of **cell** *sap* concentration and water content in cotton leaves to different combinations of soil salinity and nitrogen levels. 027062
Irrigation according to the concentration of **cell** *sap* [of cotton]. 030674
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae [fungus vector] and transmission by *sap* **inoculation.** 028236
Inhibitors of viral infection in *sap* from **pea,** broadbean and lucerne plants. 028223

SAPOGENINS
27-hydroxyruscogenin, a new **spirostan** *sapogenin* from Semeleandrogyna. 026778
9(11)-dehydroagapanthagenin, a new **spirostan** *sapogenin* from Agapanthus africanus. 026779
Andesgenin, a new **steroid** *sapogenin* from Solanum hypomalacophyllum. 026720

SAPONIFICATION
Lipophilic gel chromatography for isolating sterines and squalenes from *unsaponifiable* **matter** of fats. 022422
Unsaponifiable **matters** of butter oil. I. Compositional study of hydrocarbon fraction. 022624
Cashew **nut** *unsaponifiable* matter. 022927

SAPONINS
Comparative study of the chemical constituents of edible and *saponin* **bearing** Dioscorea tubers. 027180
Biological active principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs **contained** *saponin* [isolated from Aesculus turbinata]. 026654
Investigation on the immunogenity of concentrated **ethanol** *saponin* vaccine against mucosal disease—bovine viral diarrhea. 024411
The structure of *saponins* from **rhizomes** of Dioscorea deltoidea Wall. 026430
Studies on the *saponins* of the **root** of Platycodon grandiflorum A. De Candolle. I. Isolation and the structure of platycodin-D. 026518

SAPROLEGNIA
Fungal self-parasitism in *Saprolegnia* **megasperma.** 026445
Fungal self-parasitism in *Saprolegnia* **megasperma.** 027917

SAPROLEGNIACEAE
Cytology of Oomycetes. Evidence for meiosis and multiple chromosome associations in *Saprolegniaceae* and **Pythiaceae,** with an introduction to the cytotaxonomy of Achlya and Pythium [Fungi]. 026378

SAPROPHYTIC
The effect of the environment on the formation of fruit bodies of the species of the genus Chaetomium Fr. *[Saprophytic* **fungi].** 026678
Saprophytic **survival** of Bipolaris sorokiniana on detached laminae of Poa pratensis. 027922

SARCINA
The microbiology and biogeochemistry of the Dead Sea [Halobacterium, *Sarcina,* **Dunaliella,** Algae]. 026670

SARCOCYSTIS
The prevalence of sarcosporidiosis *[Sarcocystis]* in **Australian** meat animals [Sheep, cattle, swine]. 024433
Infectious diseases of the intestinal tract: the secret of coccidiosis is further revealed *[Sarcocystis* **fusiformis,** cats, dogs]. 024745

SARCOMA
Regulation of sugar transport in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV **[Rous** *sarcoma* virus]. 024498
Long-term perservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of **Rous** *sarcoma* virus. 024524
The expression of avian Gs antigen in mammalian **Rous** *sarcoma* virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
In vitro synthesis of full-length DNA transcripts of **Rous** *sarcoma* virus RNA by viral DNA polymerase. 024671
Nucleotide sequences in the RNA of mammalian leukemia and *sarcoma* **viruses.** 024461

SARCOPHAGA
Independent replication of the ribosomal RNA genes in the polytrophic-meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and *Sarcophaga* **barbata.** 029299
Neuromuscular junctions and L-glutamate-sensitive sites in the **fleshfly** *Sarcophaga* bullata. 029415
Histochemical localization of trehalase activity in dorsal flight muscle of the flesh **fly** *Sarcophaga* bullata with lightand electron microscopy. 029403
Amylase activity in the midgut of *Sarcophaga* **ruficornis** andMusca domestica. 029325

SARCOPLASMIC
Effect of cross-reinnervation on physiological parameters and on properties of myosin and *sarcoplasmic* **reticulum** of fast and slow muscles of the rabbit. 023527

SARCOPTIDAE
A note on the clinical trial with "Lazin-Veterinary" in sarcoptic mange *[Sarcoptes* **scabiei]** in rabbits. 029019

SARCOSPORIDIOSIS
The prevalence of *sarcosporidiosis* **[Sarcocystis]** in Australian meat animals [Sheep, cattle, swine]. 024433

SAROTHAMNUS
Flavonoids of *Sarothamnus* **patens** (L.) Webb, nature and repartition. 026436

SASA
Studies on the weed *[Sasa* **paniculata]-vegetation** at the early stage of reforestation. I. Vegetable transition on Cryptomeria japonica forests planted in every year. 025203

SATSUMA
Studies on the nondestructive measurement of quality of *Satsuma* **mandarin** oranges. II. The use of light transmittance techniques for fruit grading. 021861
Studies on postharvest treatments for ripening of citrus fruits. I. Lowering of the acidity in *Satsuma* **mandarin** orange by heat treatment. 022869
Studies on the simplification of quality evaluation of *Satsuma* **mandarin.** II. Relation between refractometer value and total sugar contents in Satsuma orange juice. 022884
Techniques and problems in the storage of *Satsuma* **orange.** 4. Effect of temperature on its physiological deterioration and susceptibility to diseases. 028317
Studies on quality control for Satuma mandarin oranges. I. On the classification method for **stored** *Satsuma* mandarin by sampling inspection. 021860

SATURATION
Heating soils, soil mixes, and soil substitutes with *saturated* **air** [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
Unsaturated C18 **alpha-hydroxy** acids in Salvia nilotica. 026666
Effect of **cation** *saturation* and air-drying of samples on the diffractogram obtained from parallel-oriented specimen [Clay minerals]. 030307
Stress-strain behaviour of a *saturated* **clay** for states below the state boundary surface. 030361
Unsaturated **conductivity** of a well structured loam soil. 030247
Coupled *saturated-unsaturated* transient [groundwater] flow in porous media: experimental and numeric model. 030387
Effectiveness of various *unsaturated* **fatty** acids in supporting growth and respiration in Saccharomyces cerevisiae [Yeasts]. 026627
Requirements for *unsaturated* **fatty** acids for the induction of respiration in Saccharomyces cerevisiae [Yeasts]. 026630
Improvement of filtration of juice of **first** *saturation* [Sugar manufacture]. 022823
Unsaturated **flow** mechanisms in low-swelling clays. 030350
Effect on plant growth and nutrient uptake of a *saturated* **gypsum** solution given to a soil rich in Ca [calcium]. 030438
Enhancement of CO2 [carbon dioxide] gas exchange in the leaves of Convallaria majalis L., its action spectrum and **light** *saturation.* 027275
Transformations of fluxes and forces describing the simultaneous transport of water and heat in *unsaturated* **porous** media. 030389
Influence of degree of shear stress reversal on the liquefaction potential of *saturated* **sand.** 030356
Dynamic shear strength properties of *unsaturated* **soils.** 030377

SATURNIIDAE
Description of **nine** *Attacidae* from South America (Lepidoptera) [New taxa]. 029621
Description of **nine** *Attacidae* from South America (Lepidoptera) [New taxa]. 029622

SATYRIDAE
Melanism and climate. I. Study of the variation of the marble white butterfly, Melanargia galathea (Lepidoptera, *Satyridae),* in **France.** 029238

SAUERKRAUT
Effect of fermentation, processing and storage on lipid composition of *sauerkraut* **[Cabbage].** 022948
Sauerkraut **season.** 022900

SAUSAGE
Composition of *sausages* in the **area** of southern and central Hesse. 021845
Microbial flora related to the alterations in Italian mortadellas (Bologna) *[Sausages,* **contamination].** 021897
The flora of bacteria in **fermented** *sausages* [Food contamination]. 022208
Analysis of artificial colouring matters in *sausage* and **ham** by paper chromatography and spectrophotometry. 022707
Evaluation of *sausages* with **special** regard to microbiological quality. 021847

SAVANNAH
Ecological study of the Tenebrionidae of the **Lamto** *savanna* (Ivory Coast). 029226
The predominance of Trypanosoma vivax infections of cattle at a distance from *savannah* **tsetse** [Glossina] concentration. 024742

SAWFLIES
Field and laboratory techniques for evaluating **hemlock** *sawfly* [Neodiprion tsugae] infestations [Tsuga]. 028961
Convective and evaporative cooling in *sawfly* **larvae** [Perga dorsalis, Eucalyptus]. 028946
The *sawfly* **types** of Abbe Leon Provancher (Hymenoptera: Symphyta) [New taxa]. 029641

SAWING
Error detections at tool prearation **band** *sawing* machines for logs operated in sawmill. 025288
Mathematical modeling of the process of sawing with motorized **chain** *saws*. 025394
Comparative analysis of various systems of technological processes of *sawing* **logs**. 025389
Mathematical modeling of the process of *sawing* with **motorized** chain saws. 025394
Spacing contra quality of the *sawn* **timber** from Scots pine [Pinus sylvestris]. 025500

SAWMILL
Feeding value of **hardwood** *sawdust* in dairy [cattle] rations. 023694
Phytotoxic substances contained in *sawdust* [**inhibitory** effect on the growth of wheat]. 028409
On the problem of thawing log ponds at *sawmill* **installations**. 025405
Peat, [Pseudotsuga menziesii] bark and *sawdust* **mixtures** fornursery substrates. 030403
Error detections at tool prearation band sawing machines for logs **operated** in *sawmill*. 025288
Small-log *sawmill* systems in Western Canada: headrig downtime, rough, green lumber yield from sound, straight logs, log throughput, volume productivity analysis procedure. 025540

SCAB
Reduction of **apple** *scab* fungus [Venturia inaequalis] inoculum with fungicides. 028074
A coordinated programme for disease control in apples *[Scab,* **canker** and mildew]. 027890
Cereal *scab* causing mycotoxicoses in Korea and present status of mycotoxin researches [Gibberella zeae]. 021894
Common *scab* of sugarbeet roots [Control]. 028108
Pathogenic species of actinomycetes—pathogens of **corky** *scab* of potatoes. 028153
Potato mop-top virus and its vector, [the **powdery** *scab* fungus] Spongospora subterranea. 027978

SCALD
Leaf *scald* [Rhynchosporium oryzae] of rice, a new disease in Bangladesh. 028071
Studies on the control of *scald* [**physiological** storage disease] of Holsteiner Cox apple variety. 022957

SCALE
Performance studies on a *pilot-scale* **activated-sludge** plant [Wastewater treatment]. 030976
The big farm: abundance and *scale* in **American** agriculture. 021241
Technical and economical comparison of *large-scale* **automatized** milking machines. 030103
Bulb *scale* mite (Steneotarsonemus laticeps) on Narcissus in the United Kingdom. 028809
Simple method for *large-scale* **collection** of Arthropoda. 029515
Possible utilization of the "Kartimat III" automated system in **compiling** *small-scale* land utilization maps. 021229
The vascular system of the **fertile** *scale* of Abietaceae. 025965
Full-scale **glasshouse** wind load measurements. 029877
Survival of **hemispherical** *scale* [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticdes. 028853
Accuracy in **interpreting** *large-scale* aerial photographs of forest stands. 025111
Large-scale **isolation** of intact vacuoles and isolation of chloroplasts from protoplasts of mature plant tissues. 026067
Cattle fattening in conditions of **large** *scale* production technology. 023793
Methods of **large** *scale* rice culture. II. 027353
Camellia **mining** *scale* Duplaspidiotus claviger (Cockerell) (Diaspididae: Homoptera). 028811
A *microscopic-scale* **model** of soil water uptake and salt movement to plant roots. 026832
Large-scale **occurrence** of Syrphidae and Coccinellidae [Plant pests, Austria]. 028673
Large-scale **trials** of vitamin C. 022037
Examination of power machines of high output, which are applicable for *large-scale* **vine** plantations on sandy soil. 030098

SCANDIUM
[Scandium] **distribution** in nature [Includes soils]. 030216
[Scandium] **occurrence** in living systems [Plants, animals]. 026598
Biological **significance** [of *scandium].* 026597
Toxicology [of *scandium].* 024961

SCANNING
Determination of the diet of phytophagous animals, based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of silica bodies **based** on *scanning*. 025883
In vitro culture of the proximal tubule of the bovine nephron. Transmission and *scanning* **electron** microscopy. 023359
A comparative study in the transmission electron microscope and *scanning* **electron** microscope of intracellular structures in sheep heart muscle cells. 023529
Scanning **electron** microscopy of the ependymal cell surface of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685
A *scanning* **electron** microscopic study of rabbit spermatozoa in the female reproductive tract following coitus. 024054
Scanning **electron** microscopy of the duodenal mucosa of chickens infected with Eimeria acervulina. 024664
A *scanning* **electron** microscope study of Eperythrozoon wenyoni [on erythrocytes of a calf]. 024719
Observing carbide-tipped cutters through the *scanning* **electron** microscope. 025375
Scanning **electron** microscopy of basidiospores as an indication of relationships among hypogeous Gasteromycetes [Fungi]. 025780
Scanning **electron** microscopy of pollen grains of the European species Erica L. 025964
Scanning **electron** microscopy of the septal pore apparatus of Rhizoctonia solani. 025984
A preparatory technique for examination of imperfect fungi by *scanning* **electron** microscopy. 026000
Transmission and *scanning* **electron** microscopy of changes associated with microcyst formation in the myxamoebae of Physarum polycephalum [Fungi]. 026001
A simple method for exposing plastic embedded structures for *scanning* **electron** microscopy [Peristome teeth of the moss Funaria hygrometrica]. 026028
A *scanning* **electron** microscopic survey of the surface of sensitive tendrils [Eccremocarpus scaber, Bryonia dioica]. 026030
Study of spores of operculate Discomycetes [Fungi] under *scanning* **electron** microscope. I. Morchellaceae. 026046
Scanning **electron** microscopy of trichomes of Cheilanthes (Sinopteridaceae). 026759
An SEM *[scanning* **electron** microscope] study of stridulatory structures of a grasshopper [Paktia gardezae] from Afghanistan. 029212
A *scanning* **electron** microscope study of cucumber nectaries, Cucumis sativus. 029391
Scanning **electron** microscope (SEM) observations of soil structure changes induced by sodium-calcium exchange in relation to hydraulic conductivity. 030344
Rapid *scan* spectrometry. Application to biological phenomenon study. Case of structured environments [of interest to botany]. 025565

SCAR
Collagen cross-linking in [rabbit] **corneal** *scar* formation. 023313

SCARABAEIDAE
New Onthophagus species from South India and Africa **(Coleoptera,** *Scarabaeidae).* 029572
Hunteracarus womersleyi gen. N., sp. N., a laelapid mite (Acari) associated with Cephalodesmius armiger Westwood **(Coleoptera:** *Scarabaeidae).* 029606
New Aphodiinae, Hybosorinae, Bolbocerinae and Orphninae **(Coleoptera,** *Scarabaeidae).* 029678
Observations on the biology of Xylotrupes gideon (Coleoptera: *Scarabaeidae:* **Dynastinae**) in Melanesia. 029394
A new species of Aspidolea [cevallosi] from Ecuador (Coleoptera, *Scarabaeidae,* **Dynastinae**]. 029562
New and little known South American Cyclocephala (Coleoptera, *Scarabaeidae,* **Dynastinae**). 029567
On some mountainous Canthonina (Coleoptera, *Scarabaeidae)* from **Madagascar** [New taxa]. 029536
Contribution to the study of Neotropical Pachydemini (Coleoptera, *Scarabaeidae,* **Melolonthinae**) [New taxa]. 029564
New South African Onthophagini collected by the Dung beetle research unit, Pretoria (Coleoptera, *Scarabaeidae)* [**New** taxa]. 029576
A revision of the genus Pelidnota of America north of Panama (Coleoptera: *Scarabaeidae;* **Rutelinae**). 029663
A new Panelus [rhodesiensis] (Coleoptera, *Scarabaeidae)* from **tropical** Africa. 029670

SCARABAEOIDEA
Onthophgus massai, a new Palearctic species **(Coleoptera,** *Scarabaeoidea).* 029549
Some Acanthoceridae (Coleoptera, *Scarabaeoidea)* from **South** India [New taxa]. 029683

SCARIFICATION
Seed *scarifying* machine [for tree and shrub planting] operated with superheated steam. 030084

SCENEDESMUS
Changes in chloroplasts structure during autospore formation in *Scenedesmus* **obtusiusculus** [Algae]. 026052
The influence of gibberellic acid and kinetin on the growth of *Scenedesmus* **quadricauda** (Turp.) Breb. [Algae]. 026337

SCENOPINIDAE
New **Australian** *Scenopinidae* (Diptera). 029607

SCENT *see* ODOR

SCHEDULE
Computer control of brewhouse grain batching and **brew** *scheduling*. 022544
Scheduling **drip** irrigation with evaporation pans [Fruit]. 030731
Studies on the prevention of checks during drying. 2. **Drying** *schedule* for the boxed heart of Larix wood. 025417
A comparison of two drip **irrigaton** *schedules* with sprinkler irrigation in Thornless Evergreen blackberries. 030727

SCHINUS
Terebenthifolic acid and bauerenone: new triterpenoid ketones from *Schinus* **terebenthifolius**. 026766

SCHISTOCERCA
Imaginal differentiation of the spermiduct in Acridids: effects of juvenile hormone [Locusta migratoria, *Schistocerca* **gregaria**]. 029197
Dense ergastoplasmic granules in the glandular lobe of the locust corpora cardiaca [Locusta migratoria migratorioides, *Schistocerca* **gregaria**]. 029432
Hydrolysis of cyclic guanosine 3',5'-monophosphate in tissues of *Schistocerca* **gregaria** (Forsk.) (Orthoptera). 029441
Phothoracotropic, chromatotropic and juvenilizing actions of juvenile hormone-III on *Schistocerca* **gregaria** Forsk. 029452
Effect of denervation and local damage on extrajunctional L-glutamate receptors in locust muscle *[Schistocerca* **gregaria**]. 029455
Cytochemistry of the differentiating flight muscles of the desert **locust** *Schistocerca* gregaria. 029366

SCHISTOSOMA
A note on the biological aspects of *Schistosoma* **incognitum** Chandler, 1926 [Parasitising livestock]. 024543
Efficacy of Ambilhar [niridazole] (Ciba) in experimental schistosomiasis *[Schistosoma]* **incognitum** in pigs. 024562

SCHISTOSOMIASIS
Schistosomiasis in **domestic** ruminants in Bangladesh. 024740
Efficacy of Ambilhar [niridazole] (Ciba) in **experimental** *schistosomiasis* [Schistosoma] incognitum in pigs. 024562

SCHIZAPHIS
Incidence of paedogenesis in the greenbug *[Schizaphis* **graminum,** sorghum]. 028732
Preference of Lysiphlebus testaceipes [parasitoid] for greenbug *[Schizaphis* **graminum**] resistant and susceptible small grain species. 028737
Preventing greenbug *[Schizaphis* **graminum**] outbreaks [on small grains and sorghum]. 028769

SCHIZOSACCHAROMYCES
Turnover of polyadenylated messenger RNA in fission yeast *[Schizosaccharomyces* **pombe**]. Evidence for the control of protein synthesis at the translational level. 026148
The effect of 8-hydroxyquinoline on enzyme synthesis in the fission **yeast** *Schizosaccharomyces* pombe. 026556

SCHOOLS
Forest Service films available on loan for educational purposes to *schools,* **civic** groups, churches, television. 025028
School **food** service at the crossroads? 022348
What's happening in *school* **food** service? 022351
School **foodservice** discovers pupil power. 022247
Food storage guide for *schools* and **institutions.** 022528
The impact of *schools* on **learning** achievement of children [Rural sociology]. 021137
Bagels for the bicentennial *[School* **lunch** menus]. 022091
School **lunch** fights back. 022352
Consumer knowledge inventory: its impact on curriculum development in **Montana** *schools.* 021962
Problems in the management of the **National** *School* Lunch Program in Washington school districts. 022062
Refrigeration **puts** *school* costs on ice. 022331
Tasmanian *school* canteen survey. 022095
Problems in the management of the National School Lunch Program in **Washington** *school* districts. 022062

SCIRPUS
Proximate nutritive value changes during decomposition of salt marsh plants [Spartina cynosuroides, Distichlis spicata, *Scirpus* **americanus**]. 022104

SCIRRHIA
Environmental factors affecting brown-spot *[Scirrhia* **acicola**] infection on longleaf pine [Pinus palustris]. 028053

SCIRTOTHRIPS
A new survey technique for citrus thrips *[Scirtothrips* **citri**]. 028864

SCLEROPHYLL
The effect of fertilizers on *sclerophyll* **(heath)** vegetation-the problems of revegetation after sand-mining of high dunes. 030524

SCLEROTINIA
Bloom blight [of Camellia] at show time *[Sclerotinia* **camelliae,** chemical control]. 027893
Camellia flower blight —1975 *[Sclerotinia* **camelliae].** 027894
Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] cultivar susceptibility to *Sclerotinia* **[homoeocarpa]** dollar spot. 028069
Effect of mulching on the incidence of *Sclerotinia* **minor** onlettuce. 028035
Parasitism of the sclerotia of *Sclerotinia* **sclerotiorum** by Microsphaeropsis centaureae. 027920
Sclerotinia **sclerotiorum:** viability and separation of sclerotia from soil [Sunflowers]. 028061
A study of **smoulder** *(Sclerotinia* narcissicola Greg.) of Narcissus in northern Scotland. 027875
The effect of benomyl sprays on *Sclerotinia* **trifoliorum** andyield of red clover. 027902
Resistance of soybeans to root rots and wilting [Fusarium, **Verticillium,** *Sclerotinia].* 028118

SCLEROTIUM
Specific inhibition of *sclerotium* **formation** by 2-mercaptoethanol and related sulfhydryl compounds in Sclerotium rolfsii[Fungi]. 026456
Sclerotium **[rolfsii]** wilt of Psoralea corylifolia. 027948
Response of soybean cultivars to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and *Sclerotium* **rolfsii** [Nematodes]. 028419
Association of sclerotial blight *[Sclerotium* **rolfsii]** with Spissistilus festinus girdling injury on soybean. 028724
Specific inhibition of sclerotium formation by 2-mercaptoethanol and related sulfhydryl compounds in *Sclerotium* **rolfsii[Fungi].** 026456
Parasitism of the *sclerotia* of **Sclerotinia** sclerotiorum by Microsphaeropsis centaureae. 027920
Sclerotinia sclerotiorum: viability and separation of *sclerotia* from **soil** [Sunflowers]. 028061
Morphology, development, and cytochemistry of the hyphae and *sclerotia* of **species** in the Rhizoctonia complex [Fungi]. 025982

SCOLYTIDAE
Seasonal flight and vertical distribution of *Scolytidae* **attractred** to ethanol in an oak-hickory [Quercus, Carya] forest in Missouri. 029287
Muscular anatomy of Ips sexdentatus **(Coleoptera,** *Scolytidae).* 029227
Rhythmic emergence of Dendroctonus ponderosae (Coleoptera: *Scolytidae)* from **two** host species [Pinus ponderosa, Pinus monticola]. 028922

SCOLYTOIDEA
Indian bark and timber beetles. VI. 312 contribution to the morphology and taxonomy of the *Scolytoidea* **[New** taxa]. 029676

SCOLYTUS
Attraction of *Scolytus* **multistriatus** to pheromone-baited traps at different heights [Ulmus]. 028930

SCOPARIA
Postemergence control of Kochia *[scoparia]* and **Russian** thistle [Salsola kali tenunifolia] in early spring [Sugarbeets]. 028490

SCOPOLIA
Anthercultures in the **genus** *Scopolia.* 026860
Piperonyl butoxide, a potent inhibitor of potato spindle tuber viroid in *Scopolia* **sinensis.** 028228

SCORPIONIDA
List and data on the geographic distribution of **scorpions** *(Scorpionida)* in Mexico. 029667

SCORPIONS
Studies on *scorpions* belonging to or **deposited** in the Geneva Museum of Natural History. I. Contribution to a better knowledge of the species and subspecies of scorpions of the genus Euscorpius Thorell, 1876 (family Chactidae) [New taxa]. 029686
Physiological analysis of through-conducting systems in the ventral nerve cord of the *scorpions,* **Heterometrus** fulvipes C. Koch. 029257
List and data on the geographic distribution of *scorpions* **(Scorpionida)** in Mexico. 029667

SCREENING
Chromosome aberrations induced in rat lymphocytes by N-nitroso compounds as a possible basis for **carcinogen** *screening.* 021955
Field *screening* of new chemicals for herbicidal activity, 1975 [Economic crops]. 028530
A multiple inoculation technique for the *screening* of **fungal** isolates for the evaluation of growth and mycotoxin production on agar substrates [Feeds]. 023046
Screening for **genetic** host resistance against the bacterial leaf spot disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Screening of **indigenous** plants for anthelmintic action against human Ascaris lumbricoides. II. [Plant extracts]. 026610
Screening **Indo** American (IA) hybrid sugarcane clones for drought resistance. 026296
Insecticide *screening* trials against black beetle [Heteronychus arator, pastures, maize]. 028781
Clogging of *screens* and **intake** zones in collector wells [Groundwater]. 030752
Screening of malting barley in the laboratory: a new **laboratory** *screening* apparatus for the grading of malting barley and other grains. 022743
A *screening* **method** for determining nitrofuran drug residues in animal tissues. 024968
Screening for **mycotoxins** with larvae of Tenebrio molitor. 029428
Screening of **new** biogenic antimetabolites using prokaryotic and eukaryotic microbial models [Includes Neurospora crassa, fungi. 026416
Oscillating *screen* motion effect on the particle passage through perforations [Chickpea seed]. 030146
Screening **potato** clones for resistance to dry rot (Fusariumsolani var coeruleum). 027900
Rapid *screening* method for aflatoxin in a number of [food and feed] products [Contamination]. 021908
A **rapid** *screening* method for the determination of di-(n-octyl) tin stabilizers in alcoholic beverages, using a heated graphite atomizer. 022490
A comparison of two **rapid** *screening* methods for the selection of high-lysine barleys. 026203
A method for **systematic** *screening* of insecticide substances in fungi of the class Fungi imperfecti. 026415
A *screening* **technique** for evaluation of brushweed [Ulex europaeus, Cytisus scoparius, Lupinus arboreus] herbicides. 028545
Influence of **trap** *screen* age on collections of tabanids in Malaise traps [Tabanidae]. 029045
Separation of thrashed cereal mass on a **vibrating** *screen.* 022732
Simple and sensitive procedure for *screening* **yeast** [Saccharomyces cerevisiae] mutants that lyse at nonpermissive temperatures. 026196

SCROPHULARIACEAE
On separating Ohio specimens of Lindernia dubia and Lindernia **anagallidea** *(Scrophulariaceae).* 025674
Embryological and morphological studies of plants from the West Indies. 1. Embryologie of Capraria **biflora** L. *(Scrophulariaceae).* 025955
The pollinaton ecology of **Pedicularis** *(Scrophulariaceae)* in the Yukon Territory. 026357

SCUTELLUM
Development of mitochondrial enzyme activities in germinating **maize** *scutellum.* 027033
Gibberellin-affected methylation and synthesis of ribosomal RNA in isolated maize **seed** *scutellum.* 027034

SCUTIGERA
Attractants for monitoring **Pectinophora** *scutigera* and related species in Australia [Cotton]. 028725

SCYTHRIS
Investigations on the biology, distribution, economical importance and possibilities of chemical control of *Syringopais(=Scythris)* **temperatella** Led. (Lepidoptera: Scythridae) in Denizli [Pest of cereals]. 028794

SEA
Effects of temperature and salinity variations on photosynthesis of some littoral seaweeds of the North **Adriatic** *Sea* [Algae]. 026425
A new species of Polysiphonia from the **Baltic** *Sea* [Algae]. 025627
Growth and productivity of representatives of North American tree flora on the **Black** *Sea* coast of the Caucasus. 025709
The first botanical expedition to the eastern shores of the **Caspian** *Sea.* 025556
Ameronothrus schubarti n. Sp. From the *sea* **coast** of California (Arachnida: Acari: Oribatei). 029689
The microbiology and biogeochemistry of the **Dead** *Sea* [Halobacterium, Sarcina, Dunaliella, Algae]. 026670
Pollution problems of the Seto **Inland** *Sea.* 030952
Bacterial communidty in the *sea* and **lake** waters polluted with organic substances. 030905
Chemical control of the *sea* **lamprey:** the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the environment [Water pollution]. 030876
26 **miles** across the *sea.* 022261

SEAFOOD
Unpleasant odors of Alaska pollack. I. Acidic, basic and carbonyl **compounds** *[Seafood].* 022412
Studies on the flavor of "Katsuobushi" *[seafood].* VI. **Isolation** of isoeugenol. 022409
Effect of thawing and packaging material on discoloration of frozen skipjack **meat** *[Seafood].* 022405
Bacterial growth in *seafood* on **restaurant** premises. 021862
Preparation of actomyosin from the adductor muscle of akazara **scallop** *[Seafood].* 022407

SEAL
Permanent preparations of sweetwater algae. VI. Enclosure in water-soluble mounting **media** *(sealing* varnish). 025560

SEASONS
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, *season,* **age** and carcase weight. 024034
The various characteristics of earliest apple varieties for **apple** *season-off.* 027826
The duration of the **breeding** *season* in Suffolk X Galway ewe lambs. 024086
Short-term effect of *seasonal* **burning** on the composition of Dichanthium annulatum stands at Varanasi. 025922
Seasonal **cactus** care [Culture]. 027720
The California **Camellia** *season*—1975 [Varieties, shows]. 027678
Seasonal **change** of palatability of orchardgrass [Dactyis] varieties **[Ewes, grazing].** 023874
Studies on the juice qualities of subtropical fruits. I. *Seasonal* **changes** of organic acids, sugars and volatile components in Ponkan and Tankan [Citrus]. 022883
The significance of *seasonal* **changes** in the size of the testis and the diameter of the epididymis in rams. 024276
Seasonal **changes** in grapefruit harvested from three different regions of Greece. 027626
Seasonal **changes** in the epiphytic population of Erwinia amylovora on apple and pear. 028136
Seasonal **changes** in foliar fatty acids and sterols in Caryaglabra (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Studies on the regrowth of orchardgrass [Dactylis] under different *season,* **cutting** and fertilization. 027376
Seasonal **development** of honeybee [Apis mellifera] colonies started from package bees. 029826
Seasonal **distribution** of pasture production in New Zealand. IV. Westport and Motueka. 026990
Seasonal **distribution** of pasture production in New Zealand. V. Gisborne Plains. 026991
Seasonal **distribution** of pasture production in New Zealand. VI. Wairakei, pasture and lucerne production. 026992
Seasonal **distribution** of pasture production in New Zealand. VII. Masterton (Wairarapa) and Maraekakaho (Hawke's Bay). 027461
Seasonal **distribution** and variations in diurnal activity of Tabanidae in the Republic of Zambia. 029055
Changes in the nitrogen reserves of apple shoots during the **dormant** *season.* 027197
Limnological studies in Kashmir lakes. IV. *Seasonal* **dynamics** of phytoplankton in the Dal and Nagin. 026807
Irrigation of lucerne in its **establishment** *season.* 030693
Seasonal **flight** and vertical distribution of Scolytidae attractred to ethanol in an oak-hickory [Quercus, Carya] forest in Missouri. 029287
Seasonal **fluctuations** in ascospore concentrations of Didymella applanata in relation to raspberry blur blight incidence. 027901
Composition of triglycerides from aphids of six different families and from different *seasonal* **forms** of Aphis evonymi. 029407
It is the *season* for **legumes** [Pasture management]. 027499
Studies on all *season* **management** of beef cattle with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their compensational growth in spring. 023875
Some environmental factors affecting the daily and *seasonal* **movements** of the salt marsh greenhead, Tabanus nigrovittatus. 029012
Low fertility in nursing ewes during the **non-breeding** *season.* 023989
Removal of sugar for storage and its processing at the Mironovka sugar factory in the 1972/73 **production** *season.* 022824
Sauerkraut *season.* 022900
Pear tree response to drip irrigation on Carney clay soil, **second** *season* 1974. 030730
Effect of month, *season* and **sequence** of calving on milk yield in Italian buffaloes. 024250
Seasonal **studies** on the relative importance of different size fractions of phytoplankton in Narragansett Bay (USA). 026669
Season and **summer** flush seeds and their influence on yield and quality of rainfed Karunganni cotton (Gossypium arboreum L.). 027395
Technical program of the Interprofessional Technical Center of Metropolitan Oil Crops. Studies and **tests** carried out during the 1974-1975 *season.* 027375
The *season* **try** these new jowars [Durra, varieties]. 027405
Seasonal **variation** in leaf area index of a grassland community. 025921
Seasonal **variation** of turtle grass, Thalassia testudinum Konig, with reference to temperature and salinity effects. 026374
Chlorophyll amount for analysis of matter production in forage crops. II. *Seasonal* **variations** in maximum crop growth rate and leaf photosynthesis, and their correlations with chlorophyll content in alfalfa and ladino clover. 026994
Seasonal **vertical** movement of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711
Seasonal and **vertical** distribution of a population of soil arthropods: Cryptostigmata. 030274
Key problems of the **winter** *season* [Logging]. 025135

SEAWEED
Zonaroic acid from the **brown** *seaweed* Dictyopteris undulata (=zonarioides) [Algae]. 026563
Open-ocean farming of *kelp* for **conversion** to animal and human foods [Algae]. 022434

Kelp **extract** as fertiliser. 2. Effect on chemical composition and element uptake of white clover. 030504
Alpha- and beta-synderol; new bromo-monocyclic sesquiterpenes from the *seaweed* **Laurencia** [Algae]. 026843
Effects of temperature and salinity variations on photosynthesis of some **littoral** *seaweeds* of the North Adriatic Sea [Algae]. 026425
Irieol A and iriediol, dibromoditerpenes of a new skeletal class from [**red** *seaweed]* Laurencia. 026847

SECALE
Endosperm abnormalities in *Triticum-Secale* **combinations.** I. X Triticosecale and its parental species. 026108
Endosperm abnormalities in *Triticum-Secale* **combinations.** II. Addition and substitution lines. 026109
Investigations on valence crosses in **rye** *(Secale* cereale L.). IV. Meiotic pairing and seed setting in tetraploid hybrids. 026094

SECRETIN
Effect of glucagon on *secretin-stimulated* **bile** flow [Dogs]. 023204

SECRETION
Cytochemical studies of the *secretion* of **accessory** glands and seminal vesicles of the honeybee Apis cerana indica. 029811
The in vivo metabolism of [14C [carbon isotope]] histamine during pentagastrin-stimulated **acid** *secretion* in the cat. 023555
Perietal cell vagotomy in dogs. Influence on Heidenhain pouch **acid** *secretion,* serum gastrin concentration, gastric emptying and motility. 024308
Intestinal lipid absorption: evidence for an intrinsic defect of **chylomicron** *secretion* by normal rat distal intestine. 022153
Chymodein, a duodenal peptide: specific stimulation of **chymotrypsinogen** *secretion* [Rabbits]. 023202
The role of extracellular Ca2+ [calcium ions] and cyclic nucleotides in the mechanism of **enzyme** *secretion* from the cat pancreas. 023613
Episodic *secretion* of growth hormone in steers and bulls: an anaylsis of frequency and magnitude of secretory spikes occurring in a 24 hour period. 023630
Control of **fluid** *secretion* by isolated salivary glands of the lone star tick [Amblyomma americanum]. 029408
Effect of amodiaquine on gastric histamine methyltransferase and on histamine-stimulated **gastric** *secretion* [Dogs, swine]. 023323
Effect of parathyroid **hormone** *secretion* on sodium reabsorption by the proximal tubule [Dogs]. 023205
Increased *secretion* of progesterone from the ovary of the ewe during the preovulatory period. 024122
Quantitative aspects of **insulin** *secretion* and its hepatic and renal removal in sheep. 023225
Clinical signs of the udders of sows and some characteristics of their *secretions* [**Irregular** teats]. 024937
Studies on the *secretion* of **maize** root-cap slime. III. Histochemical and autoradiographic localization of incroporated fucose. 027037
Milk *secretory* response of the conscious lactating rat following intravenous injections of rat prolactin. 023510
Effects of bromocriptine on **milk** *secretion* in the rabbit. 023515
Transfer of IgG [immunoglobulin] from plasma to **nasal** *secretions* in newborn lambs. 024756
Calcium, magnesium, potassium, and sodium in honey and in **nectar** *secretion.* 022487
Investigations on the circadian cycle of *secretion* in the **neurosecretory** nuclei of mouse. 023196
Homology in amino-terminal sequence of precursors to **pancreatic** *secretory* proteins [Dogs]. 023622
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various *secretory* **phases** [Robinia pseudacacia, Tilia platyphyllos, Deutzia crenata, pumpkins]. 026828
Mode of *secretion* of **pineal** melatonin in the chicken. 023417
Immunoglobulins, antibodies and inhibitors of parainfluenza 3 virus in **respiratory** *secretions* of sheep. 024422
Sympathetic and sympathomimetic stimulation of parotid **salivary** *secretion* in sheep. 023553
The mode of *secretion* of the **sebaceous** glands of cattle. 023342
Episodic secretion of growth hormone in steers and bulls: an anaylsis of frequency and magnitude of *secretory* **spikes** occurring in a 24 hour period. 023630
Influence of urethane and pentobarbitone on **stimulus** *secretion* coupling in the neurohypophysis [Rats]. 023518
A possible role for intercisternal elements in the formation of *secretory* **vesicles** in plant golgi apparatus [Maize roots]. 026023
Eggs and **wax** *secretion* of Kermes kingi [Quercus rubra]. 028920

SEDATION
Sedation and **restraint** of fallow deer with Diazepam. 024304

SEDGE
Eleocharis acicularis (L.) R. & S.: The autecology of an acid **tolerant** *sedge.* 025886

SEDIMENTS
Relationship of Vibrio parahaemolyticus in oysters, water and *sediment,* and **bacteriological** and environmental indices. 021929
Further study of diatoms in some present or quaternary, hydrothermal and lacustrine **carbonate** *sedimentation* from central Afghanistan. 025650
Biological transformation of **clay-sized** *sediments* in simulated aquatic environments. 030948
The 1973 Mississippi River basin flood: compilation and analyses of meteorologic, streamflow, and *sediment* **data.** 030697
Erythrocyte *sedimentation* rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood [Veterinary hematology]. 024333
Behaviour of the major elements and minerals in *sediments* of four **humic** lakes in southwestern Finland. 030892
Study of the inheritance of *sedimentation* **indicator** of soft winter wheat. 026262
Biological availability of *sediment* **phosphorus** to microorganisms [Algae, aquatic weeds, eutrophication]. 026696
Factors influencing infiltration and *sediment* **production** of semiarid rangelands in Nevada. 027566
Palynologic investigation of **Quaternary** *sediment* from Lake Vanda [Paleobotany]. 025606
Effect of soil erosion from basins on the *sediment* **transport** regime in rivers. 030628
Computer programs for *sediment* **transport** documentation and listing. 030942
Movement of mirex from *sediment* and **uptake** by the hogchoker, Trinectes maculatus. 029088
The genic basis for differences in *sedimentation* **value** and protein content between two cultivars of Triticum aestivum [Wheat]. 026126
Pollutant mercury and *sedimentation* in the **western** basin of Lake Erie. 030949
Investigation of the possibility of using lignin to purify the post-fermentation **yeast** *sediments* [from hydrolysis establishments]. 030899

SEEDBED
Implements [harrows] for *seedbed* **preparation;** studies of the mode of working and the working results. 030112

SEEDING
Hard wheat culture in **autumn** *seeding* in the northern part of France. 027475
Annual **forages** *seeding* rates and mixtures for central Alberta. 027380
The Monosem-Pneumatic single **grain** *seeding* machine for maize. 030048
The Unadrill ZM 4 S single **grain** *seeding* machine. 030053
Universal single **grain** *seeding* machine for seeding sugarbeets. 030056
How does the ideal **maize** *seeding* machine look? 030027
Forage crop varieties and *seeding* **mixtures** for 1976. 027583
Sod-seeding [**practices** for] legumes in permanent pastures. 027396
Universal single grain seeding machine for *seeding* **sugarbeets.** 030056
Use of more forage to produce beef—crested **wheat** *seedings.* 027487

SEEDLINGS
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in cotyledons of mustard [Sinapis alba] *seedlings* in the **absence** of photosynthesis. 026787
Association of pink **albino** *seedlings* with a radiation-induced translocation of cucumber. 026118
Effects of simazine applicatins and watering on **asparagus** *seedlings* [Weed control]. 028554
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from **barley** *seedlings* and yeasts]. 026773
The radiosensitivity of cells in various phases of the mitotic cycle in Crepis **capillaris** L. *seedlings.* 026288
Container production of **cashew** *seedling* rootstocks—seed germination in beds as an alternative to direct sowing. 027595
A gibberellin bioassay based on betacyanin production in Amaranthus **caudaus** *seedlings.* 026801
Variations in *seedling* **characters** of Taiwania cryptomerioides from various provenances. II. 027308
Precocious flowering of **citrus** *seedlings.* 1. Species, varieties, and hybrids showing the precocious flowering on their seedlings, and irregularities of the flower organs. 027100
Development of Diaprepes abbreviatus [pest of sugarcane andcitrus] on potted **citrus** *seedlings* [in Florida]. 028858
Seedling **competition** of some grasses [Agropyron, Elymus] in mono- and mixed culture under greenhouse conditions. 027384
Zinc accumulation and growth of **corn** *seedlings* as affected by endosperm removal. 026896
Chemical seed treatment to control damping-off of **cotton** *seedlings* [Rhizoctonia solani]. 028082
Annual changes in heritability values of young sugi [**Cryptomeria**] *seedlings.* 025202
Seedling **establishment** and vegetative spread of Cirsium arvense (L.) Scop. in Victoria, Australia. 028602
Estimating *seedling* survival from wind erosion parameters. 028444
Use of ethrel to promote rooting and growth in transplanting some **Eucalyptus** *seedlings.* 027327
Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in *seedling* **grain** sorghum. 028742
Production of **grape** *seedlings* in the Ukraine. 027853
Container **grown** *seedling* operation in Maine [Forest]. 025224
Germination, *seedling* **growth** and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) induced water stress. 026906
Emergence, *seedling* **growth** and yield of sweet corn after pregermination at high temperature. 027725
Geographic variation in Picea glehnii. I. Differences in *seedling* **height** and bud-opening date among twelve seed sources. 027326
Uptake, distribution, and degradation of simazine by black walnut [Juglans nigra] and yellow-poplar [Liriodendron tulipifera] *seedlings* [**Herbicides**]. 028624
Photocontrol of phytochrome destruction in grass [oats, maize] *seedlings.* The **influence** of wavelength and irradiance. 027002
Volatile phytotoxic substances formed by litter of Pinus radiata [**inhibiting** *seedling* growth of white clover and Lolium perenne]. 028397
Precocious flowering of citrus seedlings. 1. Species, varieties, and hybrids showing the precocious flowering on their *seedlings,* and **irregularities** of the flower organs. 027100
Influence of clay dishes on growth of *seedlings* of **Lemaireocereus** griseus (Haworth) Britton & Rose. 027209
Structure-activity relationships in fungitoxicants related to triforine and chloraniformethan. II. Redistribution on barley and **marrow** *seedlings.* 028041
Wilt development in red oak [Quercus rubra] *seedlings:* a **new** system for studying oak wilt [Ceratocystis fagacearum]. 028065
The effect of decortication of seed on germination and the number of **nucellar** *seedlings* of some mango cultivars in Ghana. 027083
The influence of 3-amino-1,2,4-triazole (amitrole) on the acid-soluble nucleotides and some other phosphorus compounds in **oat** *seedlings.* 026909
Carnitine content of **pea** *seedling* cotyledons. 027241
Evidence of a [peach wart] virus disease causing deformed stones on the **peach** *seedling* GF 305. 028178
Long distance transport of potassium in intact **peanut** *seedlings:* effect of sodium and ouabain. 027121
Hormone mediated integration of *seedling* **physiology** [Barley]. 026882
Production of auxins by [coryneform] bacteria isolated from the roots of **pine** *seedlings* (Pinus silvestris L.). 027303
Certain problems of **poplar** *seedlings* cultivation in conditions of the mountainous forest zone of Mongolia. 025243
Effectiveness of different methods of **preparing** *seedlings* of cereals under sterile conditions for investigations of nucleic acids using radioactive precursors. 026874
Theory and technique on **rice** *seedling* raising. 27. 027354
The effect of chemical mutagens on the growth of Quercus **robur** *seedlings.* 027323
Growth response to latent virus infection of apple trees on *seedling* **rootstocks.** 028180
Effect of temperature on respiration of mitochondria and shoot segments from cold-hardened and nonhardened wheat and **rye** *seedlings.* 027021
Use of **safflower** *seedlings* for the detection and isolation of Phytophthora cactorum from soil and its application to population studies. 028064
Intracellular distribution and multiple molecular forms of ribonucleases in pea (Pisum **sativum**) *seedlings.* 027288
Arginine decarboxylase from Lathyrus **sativus** *seedlings:* purification and properties. 026953
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. Seed input and output of *seedling* with **seed** coat. 025039
Partial purification and some properties of dihydrofolate reductase from **soybean** *seedlings.* 026968
Partial purification and some properties of dihydrofolate reductase from **soybean** *seedlings.* 026969
Mechanical inhibition of hypocotyl elongation induces radial enlargement [in **soybean** *seedlings];* implications for cytokinin action. 027024
Complex mechanization of operations in culture of **spruce** *seedlings.* 030081
Activity of aminotransferase in **tomato** *seedlings* depending on Ca: Mg [calcium: magnesium] ion ratio in the nutrient medium. 027092
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) *seedlings* **treated** with dalapon) [Herbicides]. 028498
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a soil culture [of microorganisms; phytotoxicity assay with **wheat** *seedlings].* 028536
Changes in mineral contents of cotyledons and **young** *seedlings* of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310

SEEDS
Seedbeds and **aggregate** stability improved by rototilling wet soil. 030370

L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a new amino acid from *seeds* of **Aleurites** fordii [Tung tree]. 026746
Investigation of alfalfa mosaic virus transmission through **alfalfa** *seed*. 028255
Irrigating for maximum **alfalfa** *seed* yield. 030642
Display of two reaction patterns after exposure of **barley** *seeds* to gamma radiation of 60Co [cobalt isotope] in air. 026916
Good *seed* [**Barley**, wheat]. 027479
Soil-moisture studies in fallow-barley rotation under mulches, antitranspirant and type of *seed* **bed.** 027425
A pneumatic grading table PSS-02 [for *seeds* used in **breeding**]. 026247
The kind of a vessel that should be used for visual estimation of *seeds* [in **breeding**]. 026270
Ratio between size of potato berries and the quantity and quality of the *seeds* [**Breeding**]. 026310
Carrot *seed* production. I. Effects of plant spacing on yields per plant and per hectare. 027661
Storing [pearlmillet] *seeds* for a **century.** 022738
Prospects of mechanizing the after-harvest treatment and storage of **cereal** *seeds*. 027511
Entered acreage of **certified** *seed* potatoes by varieties—1975, United States and Canada. 027708
Compatibility of Rhizobium japonicum with **chemical** *seed* protectants [Fungicides, soybeans, nodulation]. 026888
Chemical *seed* treatment to control damping-off of cotton seedlings [Rhizoctonia solani]. 028082
Oscillating screen motion effect on the particle passage through perforations [**Chickpea** *seed*]. 030146
Temperature regulation of germination in crimson **clover** *seeds*. 027032
Use of insecticides on red **clover** *seed* plants [Apion apricans, control]. 028796
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. Seed input and output of seedling with *seed* **coat.** 025039
Dormancy of *seeds* as **compared** with dormancy of bulbs in tulips. 027073
Germination biology of Vigna unguiculata (L.) Walp. And Lablab purpurens (L.) Sweet. *seeds* under **conditions** of Turkmenistan. 026615
Southern pine [Pinus] *seed* and **cone** insects. 028959
Respiration rate and acidity in parthenocarpic and *seeded* **Conference** pears. 027202
Cooperative *seed* treatment trials—1974 [Tilletia, Ustilago, control]. 027928
Economics of production of hybrid **cotton** *seeds* utilising male-sterile line. 021377
Isolation of triacetinase from the *seeds* of the **cotton** plant. II. Separation and purification. 026939
Improvement in production of the *seeds* of **cotton.** 027434
The joint action of gamma rays and ethylenimine during the presynthetic period of the mitotic cycle on cells of *seeds* of **Crepis** capillaris. 026287
Combine harvesting of *seed* **crops** of flax. 027508
Seed **development** of Abelmoschus esculentus (Malvaceae). 026695
Dormancy breaking in the light-sensitive seeds in temperature forage crops. IV. *Seed* **development** of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Effect of strong shock waves on **dicotyledon** *seeds* [Turnip, Anethum graveolens, cucumber, radishes]. 027166
Alfalfa flower color associated with **differential** *seed* set by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. 026887
Regulation of *seed* **dormancy** in Elaeagnus umbellata by endogenous growth substances. 027155
Loose smut of wheat and barley, even though the *seed* has been **dressed** [Ustilago nuda]. 028044
Results of testing fungicides and *seed* **dressers** [Plant disease control]. 028119
The occurrence of blood group H-like activity in *seed* **extracts** of higher plants. 026649
Effectiveness of *seeded* **fallow** and bare fallow in the southcentral forest-steppe region of the Ukraine. 027558
Effect of *seed-placed* **fertilizer** on the emergence (germination) of soybeans (Glycine max L.) and snapbeans (Phaseolus vulgaris L.). 026942
Effect of copper on root cell elongation and germinability of *seeds* of **fine-fibered** cotton. 026971
Flower *seed* production trials in southern Oregon [Varieties]. 027843
Season and summer **flush** *seeds* and their influence on yield and quality of rainfed Karunganni cotton (Gossypium arboreum L.). 027395
Animal influences on Japanese pine [Pinus] *seeds* of the **forest** floor. II. Seed input and output of seedling with seed coat. 025039
Morphology and function of the testa of dust **forming** *seeds*. 025957
Effect on microorganisms of volatile compounds released from **germinating** *seeds*. 026453
Cytological, cytochemical and histoautoradiographic study of viscum album L. (Loranthaceae). I. The *seed*, its **germination** and means of fixation on the host. 026066
Changes in proteins, phosphatase and ribonuclease activity in barley (Hordeum sativum) *seeds* during **germination.** 026957
Classification of Dactylis glomerata florets based on caryopsis size *[seed* **germination** test]. 027043
A device for the analysis of *seed* **germination** capacity. 027044
The effect of decortication of *seed* on **germination** and the number of nucellar seedlings of some mango cultivars in Ghana. 027083
Storage of *seeds* [**Grain**]. 022797
On a lectin from Vicia **graminea** *seeds*. 026438
Alternatives to [**grass** *seed]* field burning. 027404
Experiments and results of desiccation of **grass** *seed* crops [Defoliation]. 027539
Harvesting dates for stubble residues of meadow **grass** *seed* plants [Festuca, Bromus]. 027559
Successful sowing of *seeded* **grasslands.** 027371
Properties of protein isolates prepared from **ground** *seeds*. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Mortal poisoning of chickens by ivy [Hedera **helix**] *seeds*. 024985
The "Direx-40" process for direct solvent extraction of *seeds* with a **high** oil content without pre-pressing, i.e. without using expellers. 022819
Physiological aspects of nitrate utilisation in a barley variety exhibiting **high** *seed* protein content. 026986
Heterosis **hybrids** and *seeds*. 026208
Ways of **improving** *seed* production of cotton in Azerbaijan. 027440
Animal influences on Japanese pine [Pinus] seeds of the forest floor. II. *Seed* **input** and output of seedling with seed coat. 025039
Within-crown distribution of cone and *seed* **insect** damage to slash pine flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria, Laspeyresia]. 028938
The effectiveness of **insecticides** *seed* dressings against soldier fly [Inopus rubriceps] larvae [Lolium perenne]. 028785
Germination of cocklebur [Xanthium pensylvanicum] *seeds:* **interactions** between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. 026388
Tetrazolium staining of *seeds* for **interpretation** of viability of six Indian tree species. 027319
Egyptian prunes **kernel** *seeds* [Nutritive value]. 022075
Qualitative study of tocopherols in some **legume** *seeds*. 022196
Asparagine metabolism—key to the nitrogen nutrition of developing **legume** *seeds* [White lupins]. 027016
Investigation on the efficiency of the reduction of submitted samples, carried on the model of grass and **leguminous** *seed* mixtures [Quality tests]. 027414
Effect of gibberellic acid, kinetin, and ethylene plus carbon dioxide on the thermodormancy of **lettuce** *seed* (Lactuca sativa L. cv. Mesa 659). 027268
Endogenous abscisic acid levels in germinating and nongerminating **lettuce** *seed*. 027270
Dormancy breaking in the **light-sensitive** *seeds* in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Trifluralin and atrazine for weed control in **lupin** *seed* crops. 028575
Gibberellin-affected methylation and synthesis of ribosomal RNA in isolated **maize** *seed* scutellum. 027034
Means of reducing damage to *seeds* due to **mechanical** processing [Forest trees]. 025200
The size and weight of **melon** *seeds* as parameters of their vigor [Germination]. 027176
Coating and impregnating with endrin protects field-sown Douglas fir [**Pseudotsuga menziesii**] *seed*. 028952
The fumigation of *seeds* with **methyl** bromide. 028329
Study of *[seed]* **mixtures** for hydrosowing [Perennial grassesand legumes, soil stabilization on slopes]. 030609
Nutritive value of **neem** *seed* cake (Melia indica) [Cattle]. 023746
A method of **obtaining** *seeds* of an intergeneric hybrid [of cotton]. 026211
Trends in the processing of **oil** *seeds* and fruits. The simultaneous extraction of oils and proteins. 022525
Distribution of fatty acids in triglycerides from Corylus avellana L. **oil** *seeds*. 022978
The tolerance of **oil** *seed* rape to herbicides. 027039
Okra *seeds:* a new protein source. 022918
Effect of levels and way of fertilizer application on **okra** *seed* germination. 030519
Genetic variability and scope of improvement in **onion** *seed* crop. 026183
The experience of **organizing** *seed* production [of cereals, lupine, fiber flax and potatoes]. 027515
On the effect of *seed* **origin** on growth of pines in the Uralfoothills. 025201
Euphorbia geniculata—**ovule** to *seed*. 025930
Problems of freeing **pea** *seeds* [from pods]. 022866
Isolation and characterization of subunits of 80S ribosomesof dry **pea** *seeds*. 027133
Regulation of activity of glutamine synthetase from **pea** *seeds* by keto acids and AMP [adenosine-5'-monophosphate]. 027134
Biochemical properties of mitochondrial membrane from dry **pea** *seeds* and changes in the properties during imbibition. 027261
The methodology of determining the sowing quality of **pelleted** *seeds* [of vegetables]. 021970
Improvement of surface sowing in grassland establishment. V. Making **pelleted** *seeds* with pelleter and its effects on early growth of pasture species. 027463
Chemical weed control of *seed* **plantings** of perennial grasses. 028626
A class of lectins present in the tissues of *seed* **plants** [Leeks, rape, pigeon peas]. 026386
Chemical treatment of potatoes in *seed* **plots** [Pesticide injuries]. 028455
The production utilization of *seeds* [by **Pogonomyrmex** barbatus, birds, rodents] in plains grassland of southeastern Arizona. 025895
Summer sowings of mother [plantations] of sugarbeets as a factor of increasing the quality of **polyploid** *seeds*. 027514
Norms and dates of planting and embedding of *seeds* of **polyploid** sugarbeets. 027561
Poor *seed* means a poor harvest [Cereal culture]. 027464
Four-year scheme for cultivation of *seed* **potato** stock [Costs]. 021399
Virus infection of **potato** *seed* stocks [by Myzus persicae] in Ontario under commercial insect-control practices. 028232
Phosphatase activity of Poa **pratensis** *seeds*. II. Purification and characterization of acid phosphatase Ia2 and Ia3. 026877
Megasennius, a new genus for Acanthoscelides muricatus (Sharp) (Coleoptera: Bruchidae), a *seed* **predator** of Cassia grandis L. (Caesalpiniaceae) in Central America. 025801
Spigot equipment for **preparing** *seedbeds*. 030123
Effect of **presoaking** *seed* treatment with indole-acetic-acid on wheat under different salinity regimes coupled with SAR and boron levels. 027418
Influence of isolation distance on genetic contamination of field bean (Vicia faba L.) *seed* **produced** in small plots. 026190
Seed **production** of Kentucky bluegrass [Poa pratensis] associated with age of stand. 027359
Certain problems of theory and practice of *seed* **production.** 027507
Seed **production** of polyploid sugarbeets by the method of steckling [planting]. 027512
The effect of herbicides on white lupins for *seed* **production.** 028572
Effects of herbicides or mowing on musk thistle [Carduus nutans] *seed* **production.** 028601
Effects of simulated damage by midges [Conatarinia texana] on *seed* **production** by guar. 028750
Progress report on *seed* **protein** trials 1974/75 [Forage crops]. 027473
Research on glycerides from black locust [Robinia **pseudacacia**] *seeds*. 027339
Utilization of mathematical methods in planning the production of high **quality** *seeds* [of cereals]. 027522
Control of winter annual weeds in white clover **raised** for *seed*. 028611
Plastic packaging for *seed* **rice.** 022796
Multiple forms of **rice** *seeds* beta-amylases on zymogram. 026884
Cultural aspects of mixing standard **rice** *seeds* with the glutinous rice. 027350
Container production of cashew seedling **rootstocks**—*seed* germination in beds as an alternative to direct sowing. 027595
Influence of temperature on the germination rate of rose [**Rosa**] *seeds*. 027215
Prevalence of oosporesof Albugo cruciferarum in Brassica [bird rape] *seed* **samples** from western Canada, 1967-73. 027932
Seed **scarifying** machine [for tree and shrub planting] operated with superheated steam. 030084
Apparent digestibility of the amino acids of sunflower and **sesame** *seed* meals in laying hens. 023924
Investigations on valence crosses in rye (Secale cereale L.). IV. Meiotic pairing and *seed* **setting** in tetraploid hybrids. 026094
Research on the possibility of sugarbeet sowing with the pneumatic **single** *seed* planter. 030127
Movement of methyl 2-benzimidazolecarbamate into **soybean** *seeds* after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. 028056
Accuracy of *seed* **spacing** in peanut planting [Equipment]. 030142
Possible methods for determination of expression of sex in cucumbers (Cucumis sativus L.) during the *seed* **stage.** 026145
The improvement of state **standards** for *seeds*. 021969
Factors affecting **sugarbeet** *seed* germination in North America. 026958
Field emergence and laboratory germination tests with pelleted **sugarbeet** *seed*. 026959
Observations on the effects of different pelleting processes on the laboratory germination and field emergence of **sugarbeet** *seed*. 026960
De-fuzzing of true **sugarcane** *seeds* [Processing]. 022831
State of production and ways of increasing the quality of **sunflower** *seeds* in the Ukraine. 021343
Variety influence on **sunflower** *seed* oil composition. I. 022766
To raise the level of **sunflower** *seed* production. 027521
Yield and quality of **sunflower** *seeds*. 027579
Treat **sunflower** *seeds* in good time [with fungicides]. 028121
Influence of trellising on growth and yield of **'Thompson** *Seedless'* [grape] vines [in California]. 027698
Red-far red reversible effect on polysome formation in the embryos of Pinus **thunbergii** *seeds*. 027337
A rapid 20-minute method of determining the moisture content of tobacco and Aztec **tobacco** *seeds* [Standards]. 021971
Comparison between biosynthesis of ent-kaurene in germinating **tomato** *seeds* and cell suspension cultures of tomato and tobacco. 027264

Seed **treatment** of Mojave Desert shrubs [to improve germination for revegetation planting]. 026354
Reserves for increasing the effectiveness of *seed* **treatment** [Covered smut, control, cereals]. 028116
Effectiveness of carbofuran [insecticide] as *seed* **treatment** for controlling pest complex of "moong" (Phaseolus aureus) [mung beans] and "urd" (Phaseolus mungo) [Mungo beans]. 028842
Formulations for *seed* **treatment** [Fungicides, insecticides]. 029180
Express method of determining quality of *seed* **treatment** [with pesticides]. 029187
Flavonoids fom the birdsfoot **trefoil** *seeds* (Lotus corniculatus L.). 026875
Lack of potato virus S transmission via **true** *seed* in Solanum tuberosum. 028261
Geographic variation in Picea glehnii. I. Differences in seedling height and bud-opening date among **twelve** *seed* sources. 027326
Cereal **varieties** *seeded* in 1975. 027403
Increase of germination of **vegetable** *seeds* in open ground. 027210
Method of determining germination rate and vital capacity of **[vegetable]** *seeds*. 027211
The susceptibility of young chickens, ducks, and turkeys to the photosensitizing effect of Ammi **visnaga** *seeds*. 024821
Pollination requirements for **watermelon** *seed* production [Bees, Apis mellifera]. 029823
Changes of germinability of **weed** *seeds* during storage in air-dry condition. II. 028523
Dissemination of **weed** *seeds* by irrigation water. 028615
Identification of genomes and chromosomes involved in peroxidase synthesis of **wheat** *seeds*. 026110
Comparative evaluation of the field and laboratory methods of determining the variety purity of *seeds* [of **wheat**]. 027509
The quality of spring **wheat** *seeds*. 027517
Injury to **wheat** *seeds* from Alternaria blight. 028112
Quality of *seeds* and **yield** of winter wheat. 027563
The effect of the growing of onion bulbs and their weight on *seed* **yield.** 027856
Effect of nitrogen and phosphorus fertilization on *seed* **yield** of late cauliflower—(Brassica oleracea var. botrytis). 030472

SEGMENTS

Rooting and end of rest in 'Carignane' [grapevine] cuttingsas affected by collection time and **cane** *segment* used. 027699
Stoichiometric correlation of malate accumulation with auxin-dependent K+ [potassium]-H+ [hydrogen] exchange and growth in Avena [oats] **coleoptile** *segments*. 027030
Polyadenylated RNA from Vicia faba [broadbeans] meristematic root cells. Localization and size estimation of the **poly(A)** *segment*. 027170
The *segmental* **projection** of the cervix uteri of the cow on the skin. 023674
Effect of temperature on respiration of mitochondria and **shoot** *segments* from cold-hardened and nonhardened wheat and rye seedlings. 027021
Effect of gibberellic acid on the plasticity and elasticity of Avena [sativa, oats] **stem** *segments*. 027020
Propagation of Dioscorea floribunda from in vitro culture of single-node **stem** *segments* [Culture]. 027730

SELAGINELLA

Morphogenesis in *Selaginella* **[willdenovii].** III. Meristem determination and cell differentiation. 026536

SELENIUM

Vitamin E, *selenium* and **amino** acids containing sulfur [Animal nutrition]. 023949
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with *selenium* and some **approaches** to a study of the biological role of selenium [Nutrition, toxicity]. 023947
Dietary vitamin E level, performance, tissue selenium and *selenium* **balance** in growing-finishing swine. 023889
Fluorimetric and gas-chromatographic determination of *selenium* in **biological** substances [Human and animal toxicity]. 022216
Effects of *selenium*, **chromium** and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in selenium deficient, vitamin E supplemented rats. 022182
Selenium **content** of some foodstuffs and other environmental samples in a mineralized area of Italy. 021877
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in *selenium* **deficient,** vitamin E supplemented rats. 022182
Effect of anthelmintic and *selenium* **drenching** on live-weight gain in young beef cattle. 024652
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of *selenium* **[Nutrition,** toxicity]. 023947
Scientific bases for using inorganic and **organic** *selenium* compounds in medicine [Includes human nutrition]. 022219
Reproductive performance of Merino ewes [sheep] dosed with *selenium* **prior** to mating. 024184
Selenium **retention** as affected by iron oxide in the premix [Swine rations]. 023900
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of *selenium* **[Swine,** feeding]. 023818
Dietary vitamin E level, performance, **tissue** *selenium* and selenium balance in growing-finishing swine. 023889
Selenium-tocopherol in **veterinary** medicine. 024391

SEMEN

Boar *seminal* zinc-precipitable protein and the haemagglutinin. 024115
Effects of freezing processes of **boar** *semen* on motility of spermatozoa and conception rate. 024204
Comparison of single- and two-phase dilution of **boar** *semen* and its effect on pregnancy rate. 024279
Microbiologic contamination of **bovine** *semen* [Candida tropicalis, fungi]. 024226
Mid-piece abnormalities in **bovine** *semen* following experimental and natural cases of bovine ephemeral fever [a viral disease of cattle]. 024476
Freezing and fertilizing ability of spermatozoa *[Semen,* **buffaloes].** 024073
Comparison of two methods of freezing **bull** *semen*. 024260
Studies on fructose and ascorbic acid concentration in the *semen* of **Corriedale** and Nali breeds of sheep. 024082
Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. *Semen* **deposition** and cell transport. 024046
Fertility of imported deep **frozen** *semen* of Brown Swiss proven sires at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072
Anti-bacterial and anti-sperm effect of [bovine] *seminal* **plasma.** 024175
The fertility of deep-frozen **ram** *semen* supplemented with PGF2alpha [Prostaglandin F2alpha]. 023970
Freezing of **stallion** *semen*. 024265
Study on the freezability of spermatozoa *[semen]* in **three** genetic groups of crossbred bulls. 024074
Cytochemical studies of the secretion of accessory glands and *seminal* **vesicles** of the honeybee Apis cerana indica. 029811

SEMIARID *see* ARID

SEMIPURIFIED *see* PURIFICATION

SEMLIKI

Defective interfering particles of *Semliki* **Forest** virus generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504

SENECIO

Toxicity [to livestock] of some **composite** *(Senecio)* weeds. 028574
Ragwort *[Senecio* **jacobaea]** control in grassland—an alternative strategy. 028486
Controlling tansy ragwort *[Senecio* **jacobaea,** biological control with cinnabar moth]. 028516
Dowco 290 [3,6-dichloropicolinic acid]—a new growth regulator herbicide [Cirsium arvense, *Senecio* **jacobaea].** 028551
Senecio **jowaiensis** Balakr. (Asteraceae)—a new species from Meghalaya, India. 025704
The **pachycaul** *Senecio* species of St. Helena, 'Cacalia paterna' and 'Cacalia materna'. 025738
Flavonoids of *Senecio* **subdentatus.** II. 026477

SENESCENCE

Fruit ripening and *senescence* of **flowers** and leaves. 027228
Infectious [Scrapie] etiology of **neuritic** *(senile)* plaques in mice. 024717
Retardation of *senescence* in **rice** (Oryza sativa L.) leaves by benzimidazole and nickel chloride. 028422

SENILE *see* SENESCENCE

SENSES

The influence of the **air-current** *sense* organs on the flight behaviour of Locusta migratoria. 029399
The "trac" tractor: display gag or *sensation* in **broad** action? 030052
Hygiene, good *sense* and **economy** [Food industry]. 021967
Sense **organs** on the antennal flagellum of two species of scorpionflies (Mecoptera) [Panorpa dissimilis, Bittacus chlorostigma]. 029387
Plant, soil and shadow reflectance components of row crops [Corn, cotton, sorghum, **remote** *sensing].* 027465
Grassland vegetation analysis using **remote** *sensing* techniques. 3. Spectral reflectance of plants as a base of multispectral photo interpretation. 027491
Grassland vegetation analysis using **remote** *sensing* techniques. 4. Multispectral photo interpretation of vegetation for the purpose of grassland planning. 027492
Lyriform **slit** *sense* organs, modelling an arthropod mechanoreceptor [Spiders]. 029398

SENSITIVITY

Centromeric *sensitivity* of mouse chromosomes to the systemic insecticide dimethoate (Rogor). 024949
New evidences of the **high** *sensitivity* of Malus dawsoniana to apple proliferation [virus] disease and of its value for testing apple trees. 028187
Threonine-sensitive **homoserine** dehydrogenase of Serratia marcescens [Bacteria]. 026606
Increased *sensitivity* to pentobarbital in rats fed a diet lacking flavonoids. 022084
Polymorphism and *sensitivity* to a **juvenile** hormone analogue in the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae). 028838
A *sensitive* **method** of glycogen determination in the presence of interfering substances utilizing the filter-paper technique [Aspergillus niger, fungi]. 026363
Regulation of sugar transport in chick embryo fibroblasts infected with a *temperature-sensitive* **mutant** of RSV [Rous sarcoma virus]. 024498
Temperature-sensitive **mutants** of the yeast [Saccharomyces cerevisiae] fatty-acid-synthetase complex. 026555
A study of *temperature-sensitive* **mutations** in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. 029464
Sensitivity to **physiological** hunger cues: are the obese really different. 022186
Studies in tuberculin sensitivity in livestock in Ceylon. V. Patterns of *sensitivity* in **pigs.** 024500
Simple and *sensitive* **procedure** for screening yeast [Saccharomyces cerevisiae] mutants that lyse at nonpermissive temperatures. 026196
X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of **radiation** *sensitivity* to pronuclear chromosome structure. 029302
Chemical induction of presumed dominant-lethal mutations in postcopulaton germ cells of mice. I. **Relative** *sensitivity* between pre- and postcopulation germ cells to isopropyl methanesulfonate. 024155
A financial return program for forestry investments including *sensitivity* of **results** to data errors. 025073
Dormancy breaking in the *light-sensitive* **seeds** in temperature forage crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Neuromuscular junctions and *L-glutamate-sensitive* **sites** in the fleshfly Sarcophaga bullata. 029415
Studies on the improvement of bovine tuberculin. 1. *Sensitivity* and **specificity** of PPD's prepared from low-heated culture filtrate and cytoplasm of Mycobacterium bovis. 024696
The effect of caffeine on survival of UV-[ultra violet]-irradiated diploid yeast [Saccharomyces cerevisiae] **strains** of different *sensitivities*. 026227
A scanning electron microscopic survey of the surface of *sensitive* **tendrils** [Eccremocarpus scaber, Bryonia dioica]. 026030
Studies in **tuberculin** *sensitivity* in livestock in Ceylon. V. Patterns of sensitivity in pigs. 024500
The *sensitivity* of **two** arable lands to compaction; a contribution to the behavior of soils under a vertical load in a range of soil suction up to pF 2.7. 030260
The in **vitro** *sensitivity* of some species of Chlorophyceae [Algae] to a selected range of herbicides. 028604
Analysis of inheritance of the *sensitivity* of **yeast** [Saccharomyces cerevisiae] to radiation and nitrous acid. 026283

SENSITIZATION

The immune response to polysaccharides from yeast-like fungi in *sensitized* **experimental** animals. 024651
Xanthene *dye-sensitized* photooxidation in the black imported fire ant, Solenopsis richteri. 028646

SENSORY

Instrumental analysis of the *sensory* **properties** of food. 022432

SEPARATION

Studies on the alkaloids of papaveraceous plants. XXII. *Separation* of the **alkaloids** by droplet countercurrent chromatography. 2. The quaternary bases of Corydalis pallida. 026658
The *separation* of **beef** meat according to quality and cuts in Athens [Grading]. 021864
Separation of **blank** pistachio nuts by mechanical harvesting. 027721
Stem aerenchyma as a **character** *separating* Hymenachne and Sacciolepis (Gramineae, Panicoideae). 025635
Thin layer **chromatographic** *separation* methods for the proof of mycotoxins [in dairy products]. 022165
Separation of **coffein,** theophyllin and theobromine with help of high pressure fluid chromatography. 022492
White [grape] **juice** *separation* system. 022877
Technical procedures for the basis of **membrane** *separation* [Food]. 022439
Enumeration, concentration, and *separation* of **microbial** cells from natural habitats [Soils, silt, water and other natural habitats]. 030907
On *separating* **Ohio** specimens of Lindernia dubia and Lindernia anagallidea (Scrophulariaceae). 025674
Studies on the utilization of xylan and glucomannan in woods. I. **Purification** and *separation*. 025422
Proteases of the seeds of the cotton plant. II. *Separation* and **purification.** 026939

Studies on avian [chicken] erythrocyte metabolism. I. Procedure for *separation* and **quantitation** of the major phosphorylated metabolic intermediates by anion exchange chromatography. 023378
Sclerotinia sclerotiorum: viability and *separation* of **sclerotia** from soil [Sunflowers]. 028061
Aspirator for collecting and *separating* **small** insects [Lepidoptera, Coleoptera]. 029240
Separation of **thrashed** cereal mass on a vibrating screen. 022732

SEPARATORS
Potato harvesting and storage: results and information on the operation of the E684 digger and loader and the E691 stationary **automatic** *separator* [East Germany]. 030009
Design and operation of the E691 automatic [potato] *separator* **[East** Germany]. 030006
Determination of particle length in cobs and wafers *[Separator* **equipment].** 030143

SEPHADEX
A method for separaing estrogens and phytoestrogens [in animal fluids] on *Sephadex* **LH-20** columns. 023654

SEPTICEMIA
A biochemical and serological study of strains of Pasteurella multocida associated with **haemorrhagic** *septicaemia* in cattle and buffaloes in Sri Lanka. 024499

SEPTORIA
Oat yield losses from *septoria* **leaf** blotch [Leptosphaeria avenaria] at four locations in eastern Canada. 027931
"Pasmo" disease of fiber flax *[Septoria* **linicola,** control]. 028114
Septoria **nodorum** infection of wheat in New Zealand. 027872

SEPTUM
Aorticopulmonary *septal* defect in a dog. 024852
Ultrastructural observations on *septal* and **merosporangial** ontogeny in Linderina pennispora (Kickxellales; Zygomycetes). 025991
Scanning electron microscopy of the *septal* **pore** apparatus of Rhizoctonia solani. 025984

SEQUENCES
Chicken glucagon: Isolation and amino **acid** *sequence* studies. 023478
The amino **acid** *sequence* of purothionin A, a lethal toxic protein for brewer's yeasts [Saccharomyces cerevisiae] from wheat [flour]. 026350
Effect of the *sequence* of **addition** of potassium and ammonium and preadsorbed cations on fixation of applied ammonium ions in soils. 030239
Partial **amino-acid** *sequence* of NAD-specific glutamate dehydrogenase of Neurospora crassa [Fungi]. 026813
Homology in **amino-terminal** *sequence* of precursors to pancreatic secretory proteins [Dogs]. 023622
Modification of the **automated** *sequence* determination as applied to the sequence determination of the [blue-green alga] Spirulina maxima ferredoxin. 026404
Kinetics of each stage of the **bleaching** *sequence* CEHD [Wood pulps]. 025378
Effect of month, season and *sequence* of **calving** on milk yield in Italian buffaloes. 024250
Double **chain** *sequence* of RNA obtained through in vitro transcription of wheat DNA by Escherichia coli RNA polymerase. 026917
A study of the *sequences* of **chicken** embryo lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762
Modification of the automated sequence determination as applied to the *sequence* **determination** of the [blue-green alga] Spirulina maxima ferredoxin. 026404
Study of a sex linked dwarfing gene in the fowl: oviposition time and characteristics of the successive eggs in **laying** *sequences.* 024021
Nucleotide *sequences* in the RNA of mammalian leukemia and sarcoma viruses. 024461
Polyadenylate *sequences* of fowl plague virus complementary RNA (cRNA) synthesized in vivo and in vitro. 024766
Stall installations for keeping swine in an unbroken **production** *sequence.* 029984
The **terminal** *sequence* of Bombyx mori 18S ribosomal DNA. 029852
Microplanktons from **tethyan** *sequence* of Niti Pass, Kumaon Himalayas, India [Includes fossil pollen]. 025689
Synchronization of oestrus and ovulation in the mare with a two PG-HCG [prostaglandin-human chorionic gonadotropin] *sequences* **treatment.** 024001
Organization of **unbroken** *sequence* of forage plants [Yields]. 027582
Heating and **weight-loss** *sequences* in maple [Acer saccharum]chip piles and the effect of borax. 025509

SEQUOIA
Measuring the world's biggest tree. II. *[Sequoia* **sempervirens,** California]. 025075
Is coast redwood *[Sequoia* **sempervirens]** an answer to the Mangatu problem? [Silviculture]. 025219

SERFS
Serf-peasant **commodity** production in the first half of the 19th century. 021070

SERGENTOMYIA
Presence in Morocco of Phlebotomus bergeroti, Phlebotomus chabaudi, Phlebotomus chadlii and *Sergentomyia* **cristophersi.** 029535

SERICIN
Studies on dissolution behaviors and structural characteristics of **silk** *sericin.* 022414

SERICULTURE
The importance of nitrogen planning in *sericulture* **[Morus,** fertilizers]. 030474
Sericultural **potentiality** of West Bengal. 029793
Growing silk wealth of Andhra **pradesh** *[Sericulture].* 029792
Study on the intensity of *sericultural* **work.** I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] harvesting by machine. 021254

SERINE
Catalysis by *serine* **proteases** and their zymogens. A study of acyl intermediates by circular dichroism [Aspergillus oryzae, fungi]. 026401

SERODIAGNOSIS
Serodiagnosis of **nosematosis** by immunofluorescence using cell-culture-grown organisms [Nosema cuniculi]. 024638
Serodiagnosis of **plum** pox virus. 028195

SEROLOGY
Studies on *serological* **diagnosis** of Korean cattle Babesia strain by the indirect fluorescent antibody test [Babesiosis]. 024695
Serological and **hemolytic** characteristics of Vibrio parahaemolyticus from marine sources [Oysters]. 021930
Serological **identification** of cucumber mosaic virus by means of simplified precipitation tests (Short communication). 028221
Serological **inquiry** in the province of Quebec on leptospirosis in dairy cattle. 024707
Determination of carabid (Coleoptera, Carabidae) role in agrobiological communities by *serological* **method.** 029517
Potato A-virus diagnosis by *serological* **methods.** 028256
Preliminary *serological* survey of brucellosis in animal and man. 024550
Report on infectious bovine rhinotracheitis in Ethiopia. **Preliminary** *serological* survey. 024642
Partial purification and *serological* **relationship** of three strains of bean yellow mosaic virus [Kidney beans, peas]. 028217
Influence of age on the *serological* **response** of chickens to Salmonella typhimurium infection. 024440
Serological **specificities** of sake [rice beer] yeasts [Saccharomyces cerevisiae]. 026642
A biochemical and *serological* **study** of strains of Pasteurella multocida associated with haemorrhagic septicaemia in cattle and buffaloes in Sri Lanka. 024499
Brucellosis among horses in India. A *serological* **study.** 024546
Leptospirosis in domestic animals in the south of Chile. A *serological* **study.** 024799
An antigen in normal avian cells which confuses virological and *serological* **tests** [Chickens]. 024454
Studies on brucellosis. III. Comparison of various *serological* **tests** [Man, animals]. 024553
Serological **variation** of foot and mouth disease A-type fromSong Khla. 024677

SERRATIA
Growth of bacteria *[Serratia* **liquefaciens,** Hafnia, Lactobacillus] isolated from vacuum-packed beef at low temperatures. 021938
Threonine-sensitive homoserine dehydrogenase of *Serratia* **marcescens** [Bacteria]. 026606

SERUM
Can the *serum* **activity** of alkaline phosphatase (AP) be used in diagnosing canine hip dysplasia? 024875
Effect of sucrose on recovery of *serum* **albumin** concentrations of proteins deficient rats to normal. 022180
Effects by heme, insulin, and *serum* **albumin** on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Serum **alkaline** phosphatase isoenzymes in beef cattle. 023637
Additional note on *serum* **alkaline** phosphatase activity in bloat in Zebu [cattle] and ruminal impaction in buffaloes. 024843
Identification of five allotypes of *serum* **alpha2-lipoprotein** esterases in American minks (Mustela vison). 024220
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, **blood** *serum,* bile) and tissues (kidney, liver, small intestine, bone) of cattle. 023251
Carotene content in **blood** *serum* of young Arabian camels in ontogenesis. 023451
Comparison of free amino acids in **blood** *serum* of men and animals. II. Man, rabbit, guinea-pig, swine. 023676
The effect of atmospheric levels of pesticides on pesticide residues in rabbit adipose tissue and **blood** *sera.* 024945
Residues in milk, **blood** *serum* and urine after intrauterine administration of antibiotic trade preparations to puerperal cows. 024995
Serum **calcium** and magnesium levels during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in **cattle** *serums* using inactivated concentrated foot and mouth disease viral antigens.). 024674
Further studies on the occurrence of antibodies against C-type virus specific antigen in *sera* of **cattle** from leucosis-infected, suspicious and unsuspicious herds. 024797
Comparison of the rate of absorption and proteolysis of [14C] [carbon isotope]choleragen and **[14C]bovine** *serum* albumin in the rat jejunum. 024571
Serum **cholesterol** and bowel flora in the newborn [Escherichia coli, Lactobacilli]. 022008
Serum **coloidal** osmotic pressure in the development of kwashorkor and in recovery: its relationship to albumin globulin concentrations and oedema [Malnutrition]. 022058
Influence of crystallization of lactose in *serum* **concentrate** on hygroscopicity and agglomeration of [whey] serum powder. 022628
Effect of parenteral iron [supplementation] on *serum* **electrolytes** [Swine]. 023890
Perietal cell vagotomy in dogs. Influence on Heidenhain pouch acid secretion, *serum* **gastrin** concentration, gastric emptying and motility. 024308
Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA **[human** *serum* albumin] in rabbits and chickens. 024523
Effect of wheat fiber on blood lipids, fecal steroid excretion and *serum* **iron** [in human nutrition]. 021999
Studies of leucosis and specific antibodies in *sera* of **leucotic** cattle and sheep by immuno and countercurrent electrophoresis. 024805
Serum **LH** [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ follicle stimulating hormone-releasing hormone]. 024095
Serum **lipase** in normal cattle. 023430
Antitoxic immunity in experimental cholera: protection, and *serum* and **local** antibody responses in rabbits after enteral and parenteral immunization. 024569
Complexes of haemoglobin and hem-protein in *sera* of **mammals.** II. Immune electrophoretic researches [Swine, cattle]. 024463
Effects of intravaginal flurogestone acetate and PMS [pregnant **mares** *serum]* administration on the reproductive performance of ewes in a cool environment. 024196
Synchronization and stimulation of estrus in sheep with Megestrol acetate and pregnant **mare's** *serum.* 024270
Significance of *serum* **pepsinogen** and abomasal pH [hydrogenion concentration] levels in a field infection of Ostertagia circumcincta in lambs. 024755
The *serum-gamma-globulin* **picture** in cattle and sheep with leucosis. 024809
Influence of crystallization of lactose in serum concentrate on hygroscopicity and agglomeration of [whey] *serum* **powder.** 022628
Alterations of *serum* **progesterone** level in pregnant and nonpregnant mares. 023565
Total proteins and the electrophoretic pattern of *serum* **protein** in normal Rajasthani sheep. 023434
The influence of frozen storage on the electrophoresis of *serum* **protein** in domestic animals. 023667
Proteinuria in neonatal piglets after oral and intravenous administration of homologous colostrum and *serum* **proteins.** 023449
Concentrations of *serum* **proteins** during aflatoxicosis [Chickens]. 024996

SESAME
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of protein solubility [Kidney beans, rape, *sesame,* **cotton,** cowpeas]. 022787
"Open *sesame"* [Camellia, pruning]. 027676
Apparent digestibility of the amino acids of sunflower and *sesame* **seed** meals in laying hens. 023924

SESQUITERPENES
Alpha- and beta-synderol; new **bromo-monocyclic** *sesquiterpenes* from the seaweed Laurencia [Algae]. 026843
Constitution of the *sesquiterpenoid,* **centdarol** [from the wood of Cedrus deodara]. 027330
New **melampolide** *sesquiterpene* lactones from Melampodium leucanthum. 026750
Naturally occurring terpene derivatives. LIII. On **new** *sesquiterpenes* from Polypteris texana (DC) A. Gray. 026462

SET
The **demands** *set* by programmed watering and feeding [of plants] on the growing medium [Peat, Sphagnum moss]. 027636
The pollination and *set* of the **early** flowers of runner bean (Phaseolus coccineus L.). 027205
Preliminary investigations on the effect of various fungicides applied during bloom on pollen germination and **fruit** *set* [Pears, peaches]. 027910
The [economic] basis for an optimum **machinery** *set* up [on cotton growing farms]. 021405
A *set* of **refrigerated** greenhouses for crop environment research-air flow problems. 029868

Alfalfa flower color associated with differential **seed** *set* by leaf-cutter bees [Megachile pacifica, insect pollinators, selective visitation]. 026887
U.S., **USSR** *set* plans for 1976 in agricultural cooperation. 021727

SETARIA
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows **grazing** *Setaria* anceps cv. Kazungula swards. 023698

SETTLEMENTS
Agricultural-social *settlement* foundations of the Middle Ages and after in a southeast Alps valley (Fiemme). 021152
Change of **Hungarian** *settlement* and agrarian structure (13thto 14th centuries). 021154
Agricultural development and **land** *settlement* in the Kufra region of Libya. 021201
Planned programming: application of method for planning an agricultural undertaking located in the *settlement* of **Luinga,** municipality of Ambaca, district of North Cuanza (Angola). 021326
The determination of the size of holdings in *settlement* **planning:** a new approach [Land reform]. 021203

SEWAGE
Aerobic stabiliztion of waste activated sludge: an experimental investigation *[Sewage* **disposal].** 030870
Edinburgh's *sewage-treatment* and disposal scheme. 030975
The use of insitu algal assays to evaluate the effects of *sewage* **effluents** on the production of Shagawa Lake phytoplankton. 030863
Virus consideration in land disposal of *sewage* **effluents** and sludge. 030956
Control of nuisance midges [Chironomus riparius] in a channel receiving treated **municipal** *sewage.* 029037
Shoreland *sewage* treatment. Recommendations for identifyingand eliminating nonconforming systems. 030887
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a *sewage* **sludge** contaminated with zinc, copperand chromium. 028360
Use of *sewage* **sludge** on agricultural land and the effects of metals on crops. 030567
Epidemiology of salmonellae [in cattle] and fertilizing of grassland with *sewage* **sludge.** 030572
Nitrification of [anaerobically digested] *sewage* **sludge** [in soil] using miscible displacement and perfusion techniques. 030822
Utilization of ejectors in small purification installations [for *sewage* **water].** 030962

SEX
The effect of exogenous administration of oestrogens on the function of the epididymis and the **accessory** *sex* glands in the boar. 023969
Gynaecomastia in a male goat. I. *Sexual* **activity** and sperm and milk quality. 024273
Synthesis of trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene (Propylur), *sex* **attractant** of the cotton moth [Pectinophora gossypiella, control]. 028795
Vitamin E and *sex* **behavior** in mice [Dietary deficiency]. 022175
Influence of *sex* of the **calf** and order of lactation on reproductive efficiency in dairy animals. 024080
Gamma irradiation of the melon fly [melon insect pests, control]: laboratory studies of the *sexual* **competitiveness** of flies treated as pupae 2 days before eclosion or as 2-day-old adults. 028867
Melon flies [Dacus curcurbitae]: Dosage-response and *sexual* **competitiveness** after treatment with gamma irradiation in a nitrogen atmosphere. 028868
Moisture and density of Populus tremula wood with **consideration** of its *sex.* 025397
Possible methods for determination of expression of *sex* in **cucumbers** (Cucumis sativus L.) during the seed stage. 026145
Symposium on the Control of *Sexual* **Cycles** in Domestic Animals, October 27-30, 1974, Nouzilly. 023997
Sex **determination** in bees. V. The action of sexual genes in Apis mellifera (Hymenoptera, Apidae). 029781
Cytological studies in Brazilian Acrididae: Aleuas gracilis, a species with a highly **developed** *sex* determining mechanism of the Neo XY type. 029304
Sex **differences** in susceptibility to experimental induction of pantothenic acid deficiency in rats. 022106
Sexual **dimorphism** in the weight of chicks. 024045
Identification of the **female** *sex* pheromones of the moth, Chilo suppressalis. 029412
Sex determination in bees. V. The action of *sexual* **genes** in Apis mellifera (Hymenoptera, Apidae). 029781
The determination of the level of heterosis of *single-sex* **hemp** hybrids by the index method. 026267
Evidence for a *sex* **hormone** in Dictyostelium discoideum [fungi]. 026192
Sex **hormones** in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to "male sterility" of the A mating type). 026314
A *sex-chromosome* **hybrid** zone in the grasshopper Podisma pedestris (Orthoptera: Acrididae). 029362
Insect *sex* pheromones: intraspecific pheromonal variability of Ostrinia nubilalis in North America and Europe [Maize]. 028734
Study of a *sex* **linked** dwarfing gene in the fowl: oviposition time and characteristics of the successive eggs in laying sequences. 024021
"Porapak Q" adsorption of airborne organic compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, **main** *sex* pheromone for this species. 029272
Morphology of the **male** *sex* organs, spermatophore formation and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). 029198
Influence of *sexual* **maturation** on cardiac activity and reactivity of Calliphora vomitoria. I. Cardiac activity. 029436
A comparison of variations in plasma luteinizing hormone concentrations in male and female domestic chickens (Gallus domesticus) from hatch to *sexual* **maturity.** 023512
Offspring *sex* ratio in Japanese cattle. 024142
Presence of *sex* **pheromone** in preputial glands of male rats. 024109
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with *sex* **pheromone** traps [Apple pests]. 028827
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a *sex* **pheromone** of [the European grape vine moth] Lobesia botrana. 028894
Comparison of *sex* **pheromone** versus an inhibitor for disruption of pheromone communication in Rhyacionia buoliana [Pinus sylvestris]. 028931
Sex **pheromone** of the moth, Antheraea polyphemus. 029417
Uptake of the *sex* **pheromone** 3H [hydrogen isotope] bombykol and related compounds by male and female Bombyx [mori] antennae. 029840
Differences due to species, *sex* and **pregnancy** in microsomal induction by diphenylhydantoin in rabbits and rats. 023256
Investigations on *sexual* **production** in the dulotic ant, Harpagoxenus sublaevis (Nyl.) (Hymenoptera, Formicidae). 029377
Dairy beef production as influenced by *sex,* **protein** level and diethylstilbestrol. 023758
Distribution of blood glucose and cholesterol levels in White Leghorn birds in relation to age, *sex* and **reproduction.** 023441
Sexual **reproduction** of mountain hemlock (Tsuga mertensiana). 025181
Grape pest monitoring improved with *sex* **traps** and aerial photography [Insects]. 028891

SHADE
Yield gradients in cocoa (Theobroma cacao L.)—*shade* and **fertilizer** experiments. 030409
Influence of *shading* on **production** of midwest feedlot cattle. 023167
Protecting *shade* trees during home construction [Injuries]. 028369
Hendersonula toruloidea associated with a serious wilt disease of *shade* **trees** [Ficus benghalensis] in the Sudan. 028068
Insecticide recommendations and spray calendar for *shade* **trees** and woody ornamentals. 028834

SHADOW
Who's afraid of the long *shadow* of **fast** food? 022314
Plant, soil and *shadow* **reflectance** components of row crops [Corn, cotton, sorghum, remote sensing]. 027465

SHEARING
Suitability of the **block** *shear* test to evaluate the bonding strength of particleboard. 025360
The **disruptive** *shear* stress of pulp networks. 025493
On **dynamic** *shear* moduli and Poisson's ratios of soil deposits. 030358
Dynamic *shear* strength properties of unsaturated soils. 030377
Real conditions of mechanical similarity appearing while [bulldozing, compaction, *shearing* and **friction**] forces act on soil. 030337
Peak *shear-force* values obtained for veal muscle samples cooked at 50 and 60 Celsius: influence of aging. 022683
Shearing **resistance,** internal friction and coherence of light-grey and cinnamon-grey forest soils. 030293
Influence of degree of *shear* **stress** reversal on the liquefaction potential of saturated sand. 030356

SHEATH
Studies on the forecasting techniques of *sheath* **blight** [Pellicularia sasakii] of rice. 027905
Validamycin, a new antibiotic for Rhizoctonia disease control *[Sheath* **blight,** rice]. 027986
Biophysical characterization of mesophyll and **bundle** *sheath* chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photo-synthetic pigment composition. 026599
Biophysical characterization of mesophyll and **bundle** *sheath* chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light absorbing photosynthetic pigment composition. 026600
Suaeda monoica, a C4 [carbon fixation pathway] plant without typical **bundle** *sheaths.* 026793
Photosynthesis in mesophyll protoplasts and **bundle** *sheath* cells of various types of C4 [carbon] plants. IV. Enzymes of respiratory metabolism and energy utilizing enzymes of photosynthetic pathways. 026864
Close relationships in *sheath* **function** during inflorescence and flowering [Peperomia caperata, Piper brevipedunculatum, Leucaena latisiliqua]. 026421
On the relationship between *sheath* **lobes** and stipules [Plant morphology]. 025958
Development of the stem and crown rust fungi on leaves, *sheaths,* and **peduncles** of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Derivation of functional interactions for predetermining the surface quality of *plastic-sheathed* **sections** [Saw timber]. 025370

SHEDS
Machine *sheds.* 029923
Heating units in **milking** *sheds,* a reasonable thing or an extravagance? 029945
Milk quantity measuring device for milking equipment and **milking** *sheds.* 030107
Towards winter in the *cowshed* and around it. 023123

SHEEP
THe effect of glucose infusion on the plasma free amino **acids** in *sheep.* 023707
Aminoglutethimide and glutethimide: effects on 18-hydroxycorticosterone biosynthesis by human and *sheep* **adrenals** in vitro. 023176
Effects of different systems of alfalfa preservation on the ingestion, digestibility and passage speed of feed residues in **adult** *sheep.* 023919
Digestible, metabolizable and net energy values of corn grain and dehydrated **alfalfa** in *sheep.* 023759
Changes in the acid base status of *sheep* **anaesthetised** with a combination of atropine sulphate acepromazine and ketamine hydrochloride. 024296
Some techniques for increasing reproductive rates in *sheep* and their **application** in the industry. 024185
Growth of ovis variety Chlamydia psittaci in cellular cultures and practical **applications** *[Sheep].* 024703
Erythrocyte oxidized glutathione in **Australian** *Merino* sheep. 023238
Evolution of plasma progesterone at the end of pregnancy, of *ewe* **bearing** a hypophysectomised fetus. Effect of dexamethasone administration. 024051
Effects of chopping ensilaged alfalfa (Medicago sativa L.) and the conservation process on the feeding **behavior** of *sheep.* 023918
The interaction of nutrition and body condition at mating on ovulation rate and early embryo mortality in Scottish **Blackface** *ewes.* 024087
A comparative study of *[sheep]* **body** form, live and fleece weights of the Kivircik and different Texel crossbreds at Inanli Animal Breeding Research Station. 024110
The use of progestagens in *sheep* **bred** by natural and artificial insemination. 024006
Crossbreeding, interbreeding and establishing a new **breed** of *sheep.* 024179
Herbage intake and grazing behaviour in *ewes* of four **breeds** at different physiological states. 023696
Studies on fructose and ascorbic acid concentration in the semen of Corriedale and Nali **breeds** of *sheep.* 024082
Isolation of foot-and-mouth disease virus from recovered animals [Cattle, goats, *sheep,* **buffaloes].** 024564
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts **[Bulls,** *sheep].* 025004
Electrical behaviour of inner and outer smooth muscle of *sheep* **carotid** artery. 023591
The release of pancreatic glucagon and inhibition of insulin in response to stimulation of the sympathetic innervation [Dogs, **cats,** *sheep].* 023556
Aspects of grazing use in the Pyrenees **[Cattle,** *sheep],* 023155
Tara Hills high country survey 1973 *[Sheep,* **cattle,** pastures]. 023156
Response of teat enzymes of *sheep* and **cattle** to stimulation by stilboestrol and oestrogenic subterranean clover. 024033
Application of the egg transfer tecnique in **cattle** and *sheep.* 024176
Simplified method for producing permanent ruminal fistulae *[Sheep,* **cattle].** 024321
The prevalence of sarcosporidiosis [Sarcocystis] in Australian meat animals *[Sheep,* **cattle,** swine]. 024433
Facial eczema on a Taranaki farm [Dairy **cattle,** *sheep].* 024505
Movement of feral pigs in North Canterbury, New Zealand [vectors of contagious disease, **cattle,** *sheep].* 024607
Brucellosis [Vaccines, **cattle,** *sheep].* 024681
An evaluation of some organophosphate compounds for the control of cattle tick, Haemaphysalis (Kaiseriana) longicornis (Neumann), in *sheep* and **cattle.** 029057
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and urine of *sheep* and **cattle.** 030940
Isolation of a virus from *sheep* and its **classification** as a serotype of ovine adenoviruses. 024798
Prostaglandin F2alpha and luteal regression in the *ewe:* **comparison** with 16 aryloxyprostaglandin (I. C. I. 80, 996). 023995
Studies on the eructation mechanims in the *sheep.* III. The **composition** of the eructated rumen gases with different rations. 024255
Storage time and fermentation temperature of grass silage as factors affecting its voluntary **consumption** by *sheep.* 023055
Field studies on inhibition of Haemonchus **contortus** in *sheep.* 024662

Effects of intravaginal flurogestone acetate and PMS [pregnant mares serum] administration on the reproductive performance of *ewes* in a **cool** environment. 024196
Behaviour of hill **country** *sheep* breeds during farming routines. 024177
Enzymic hydrolysis of acetylcarnitine in liver from rats, *sheep* and **cows.** 023278
The milk production of native and **crossbred** *sheep* under semi-arid conditions. 023445
Plasma relaxin immunoactivity during the oestrous **cycle** of the *ewe.* 024124
A comparison of some chemical and physical properties of alkali lignins from grass and lucerne hays before and after **digestion** by *sheep.* 023776
Chemical control of fleece wool and *sheep* **dip** micro-organisms. 022694
Ammotragus lervia: progenitor of the **domesticated** *sheep* or specialized offshoot of caprine evolution? 023406
Reproductive performance of Merino ewes *[sheep]* **dosed** with selenium prior to mating. 024184
The chemical influence of the duodenal contents on the activity of the antrum and **duodenum** of *sheep.* 023453
What *sheep* **eat** on developed and undeveloped high country. 022711
Effect of intravenous infusion of artificial saliva on changes in acid-base status of *sheep* during **eating.** 023573
Stochastic-computerized-activity-budgeting for *sheep* **enterprises** [Farm management]. 021249
A model of the heat exchange of *sheep* with the **environment.** 023626
Liveweight fertility relationships in Merino and half-bred ewes in a high country **environment** *[Sheep].* 024182
Water for *sheep* **[Equipment].** 030013
Influence of acute tissue injury on in vitro incorporation of 6 5 Zn [zinc isotopes] by *sheep* **erythrocytes.** 024966
Electrical stimulation of the median eminence in ovariectomized and **estradiol-treated** *sheep.* Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. 023599
Effect of prostaglandins on uterine contractions in the **estrous** *ewe* [Sheep]. 024224
Land abandonment and *sheep* **[Europe].** 021163
French and **European** *sheep* breeds. Their role in the difficult regions of the world. 024147
Effect of prostaglandins on uterine contractions in the estrous **ewe** *[Sheep].* 024224
Urea supplements for *Merino* **ewes.** 022710
A note on the time of parturition in Russian Merino **ewes** *[Sheep].* 024077
Reproductive performance of *Merino* **ewes** [sheep] dosed with selenium prior to mating. 024184
A survey of pathological conditions in the genital organs of **ewes** *[Sheep].* 024306
The concept of spatial leadership in farm animals: an **experiment** with *sheep.* 023236
The effect of castration on weight gain and carcass quality in male **fat-tail** *sheep.* 024290
Amino acid absorption by portal-jugular venous differences in *sheep* **fed** two maturities of alfalfa hay. 023756
Metabolism of liquid whey **fed** to *sheep.* 023768
Modification of respiratory center output in the unanesthetized **fetal** *sheep* "in utero". 023466
The occurrence of hydroxyindole-O-methyltransferase activity in **fetal** *sheep* pineal tissue and its relationship to preparturient endocrine changes. 024130
Pituitary and adrenal function in **foetal** *sheep* during the latter half of gestation. 024107
A study on electrical activity of medial basal cells in the hypothalamus of the *ewe* **following** intravenous administration of estrogen. 023347
Portable **footbath** for *sheep.* 029964
The duration of the breeding season in Suffolk X **Galway** *ewe* lambs. 024086
Response of ovine pancreatic amylase to elevated blood **glucose** *[Sheep].* 023457
Sheep and **goat** grazing responses in the Pre-Sahara. 023866
Properties of erythrocytic acid phosphatase in sheep and the isoenzymes of erythrocytic acid phosphatase in *sheep* and **goats.** 023253
Gastrin activity along the gastrointestinal tracts of some ruminants and the donkey [Cattle, **goats,** *sheep].* 023416
Brucellosis, abortion cause, in *sheep* and **goats** in northern Greece. 024509
The effects of processing of barley-based supplements on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of dried **grass** in *sheep.* 023708
Macro-element and trace element nutrition of *sheep* **grazing** tussock grassland. 022709
Estimation of food intake of *sheep* **grazing** green pasture when no free water is available. 023751
Seasonal change of palatability of orchardgrass [Dactyis] varieties *[Ewes,* **grazing].** 023874
Anthelmintic effect of 'Trodax' (M & B) in *sheep* **[Haemonchus** contortus]. 024560
Liveweight fertility relationships in *Merino* and **half-bred** ewes in a high country environment [Sheep]. 024182
A comparative study in the transmission electron microscope and scanning electron microscope of intracellular structures in *sheep* **heart** muscle cells. 023529
Anthelmintic efficiency of Mebendazole premix on gastrointestinal and lung **helminthiases** of *sheep.* 024759
The digestion of the lipids of processed red clover **herbage** by *sheep.* 023779
Intensive finishing of *Blackface* **Hill** lambs—current outlook [Returns]. 021389
The morphology of spontaneous pulmonary adenomatosis in *sheep.* I. **Histological** findings on the tumour stroma. 024936
Relationships of various parameters with the lambing performance of **hoggets** *[Sheep].* 024183
Sources of variation for wool, body weight and estrous characters in Romney **hoggets** *[Sheep].* 024186
Intensification of *sheep* **husbandry** in the central Volga River area [Meat and wool yields]. 023172
Studies of leucosis and specific antibodies in sera of leucotic cattle and *sheep* by **immuno** and countercurrent electrophoresis. 024805
Skeletal muscle, liver and wool protein synthesis by *sheep* **infected** by the nematode trichostrongylus colubriformis. 024429
Pathogenicity for cattle of Dictyocaulus filaria, the pathogen of lungworm **infestation** in *sheep.* 024772
The use of progestagen SC 9880 as an aid for artificial **insemination** in *ewes.* 024007
[A-21-D-asparagine] *sheep* **insulin,** a diastereoisomer of the natural hormone. 023504
Properties of erythrocytic acid phosphatase in *sheep* and the **isoenzymes** of erythrocytic acid phosphatase in sheep and goats. 023253
Supplement of rice straw for *sheep* with **kenaf** leaf [Hibicussabdariffa] or alfalfa meal. 023844
Coyotes do **kill** *sheep!* [Predators]. 023136
Early development and breeding of *ewe* **lambs.** 023143
Experimental transmission of lymphatic **leucosis** of *sheep.* 024796
The serum-gamma-globulin picture in cattle and *sheep* with **leucosis.** 024809
Synthesis of cholesterol esters in the plasma and **liver** of *sheep.* 023585
Yield, chemical composition and dry matter intake of R.v.P ryegrass varieties **[Lolium,** *sheep].* 023071
Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] sucrose, and 36Cl [chlorine isotope] in *sheep* **lung.** 023460
Luteinizing hormone, progesterone and the morphological development of normal and superovulated corpora **lutea** in *sheep.* 024056
Some potential uses of prostaglandins in domestic animals [for controlling estrus in cows, **mares** and *ewes].* 024043
Comparison of pen and paddock systems for the pedigree **mating** of *sheep.* 024178
Central and peripheral neural respiratory activity in the **mature** *sheep* foetus and newborn lamb. 023649
Project of new **mechanized** *sheep* farm for western Siberia. 030168
Synchronization and stimulation of estrus in *sheep* with **Megestrol** acetate and pregnant mare's serum. 024270
In vitro hatching of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the egg **membranes** *[Sheep].* 024789
Urea supplements for **Merino** *ewes.* 022710
Erythrocyte oxidized glutathione in Australian **Merino** *sheep.* 023238
Mating activity and its relationship to reproductive performance in **Merino** *sheep.* 024024
A note on the time of parturition in Russian **Merino** *ewes* [Sheep]. 024077
Reproductive performance of **Merino** *ewes* [sheep] dosed with selenium prior to mating. 024184
Study of the effect of pulses on milking velocity and magnitude of manual end-milking during machine **milking** of *ewes.* 023194
The status of loci of ossification and epiphyseal plates in the limb bones of neonatal crossbred (Banuur X **Nali)** *sheep.* 023433
Studies on fructose and ascorbic acid concentration in the semen of *Corriedale* and **Nali** breeds of sheep. 024082
Low fertility in **nursing** *ewes* during the non-breeding season. 023989
The role of organic sulphur in the copper-molybdenum-S interrelationship in ruminant **nutrition** *[Sheep].* 023709
Thiomolybdates and the copper-molybdenum-sulphur interaction in ruminant **nutrition** *[Sheep].* 023752
Chloramphenicol plasma levels in horses, cattle and *sheep* after **oral** and intramuscular administration. 023678
Opportunities with *sheep* **[Outlook].** 021774
Functional and structural relationships in the graafian follicle population of the *sheep* **ovary.** 024120
The *sheep* **ovary:** regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and adjacent tissue before ovulation. 024132
Influences of chronic denervation of the carotid bifurcation regions on **panting** in the *sheep.* 023609
Another case of **paratuberculosis** in *sheep.* 024713
ACTH [adrenocorticotropic hormone] and the induction of **parturition** in *sheep.* 023543
Effect of foetal adrenalectomy on maternal oestrogen levels at dexamethasone-induced **parturition** in *sheep.* 024105
Effects of feeding formaldehyde-treated oilseed supplements to *sheep* on **pasture.** 023801
Comparative toxic effect of the surface lipid of Corynebacterium ovis [in *sheep]* on **peritoneal** macrophages. 024570
Physiological evidence consistent with the presence of a specific O2 [oxygen] carrier in the **placenta** *[Sheep].* 024097
New inhibitors of methane production by rumen micro-organisms. Experiments with animals and other practical **possibilities** *[Sheep].* 023318
Effects of glucagon and insulin on net hepatic metabolism of glucose **precursors** in *sheep.* 023208
Energy requirements for **pregnancy** in *sheep.* 023827
Electrical activity of phrenic nerve and diaphragm in utero **[Pregnant** *ewes].* 024096
Increased secretion of progesterone from the ovary of the *ewe* during the **preovulatory** period. 024122
New aspects of the cobalt deficiency **problem** *[Sheep].* 024839
Estimated nutritional requirements of high **producing** *sheep.* 023817
The present status of applied reproductive physiology in animal **production** *[Sheep].* 024188
Follicular growth during the normal cycle and after treatment with **progestagens** in the *ewe.* 023985
Testis growth and plasma LH [luteinizing hormone] concentration following hemicastration and its relation with female **prolificacy** in *sheep.* 024128
Plant toxicities in *sheep* on a **property** with unusual weed control problems. 028563
Questions about the extreme geochemical ecology of animals [livestock, *sheep]* in **provinces** with selenium and some approaches to a study of the biological role of selenium [Nutrition, toxicity]. 023947
Atypical tryptamine receptors in *sheep* **pulmonary** vein. 023321
Ways of increasing labor productivity in *sheep* **raising.** 021344
Total proteins and the electrophoretic pattern of serum protein in normal **Rajasthani** *sheep.* 023434
The ovulation rate of Finnish Landrace X **Rambouillet** *ewes.* 024198
The use of progestagens and photoperiodism in improving the reproductive **rate** of the *ewe.* 024008
Ammonium sulfate in low and high energy **rations** for *sheep.* 023737
Diagnosing pregnancy in ewes *[sheep]* by **rectal** palpation. 024180
Suppression of immune responses to *sheep* **red** cell antigens in rats preimmunized with heterophilic antigen: cellular events. 024518
Quantitative aspects of insulin secretion and its hepatic and renal **removal** in *sheep.* 023225
A comparison of the performance of Dorset, Coriedale and **Romney** *sheep* during lactation. 023618
Sources of variation for wool, body weight and estrous characters in **Romney** *hoggets* [Sheep]. 024186
Relationship between bacteria and ciliate protozoa in the *sheep* **rumen.** 023426
In vivo transfer of R factors between Escherichia coli strains inoculated into the **rumen** of *sheep.* 024605
A note on the time of parturition in **Russian** *Merino* ewes [Sheep]. 024077
Genetic improvement of milk yield in **Sardinian** *ewes.* I. Heritabilities and correlations between characters. 024015
The interaction of nutrition and body condition at mating on ovulation rate and early embryo mortality in **Scottish** *Blackface* ewes. 024087
Sympathetic and sympathomimetic stimulation of parotid salivary **secretion** in *sheep.* 023553
Immunoglobulins, antibodies and inhibitors of parainfluenza 3 virus in respiratory **secretions** of *sheep.* 024422
Mating activity and its relationship to reproductive performance in *Merino* **sheep.** 024024
Diagnosing pregnancy in *ewes* **[sheep]** by rectal palpation. 024180
Relationships of various parameters with the lambing performance of *hoggets* **[Sheep].** 024183
A survey of pathological conditions in the genital organs of *ewes* **[Sheep].** 024306
Effect on intake of adding sodium bicarbonate to **silage** *[Sheep].* 023800
Determination of the moment of ovulation in *ewe* and **sow.** Influence of environment and hormonal treatment. 023982
Gluconeogenesis in the kidney-cortex slices of normal fed and **starved** *sheep.* 023660
Feeding value of silage from a tillering and a nontillering hybrid corn *[Sheep,* **steers].** 023721
Phenotypic relationships between relatives in the Neudamm Karakul **stud** *[Sheep].* 023974
Protein yields from bones destined for processing [Cattle, *sheep,* **swine].** 022702
Specific gravity estimates of bone composition [Cattle, *sheep,* **swine].** 022706
Comparative study of the occurrence of placental prolactin among mammals [Laboratory animals, *sheep,* **swine].** 023414
Estimating digestible energy from chemical analyses [Feeds, *sheep,* **swine,** rabbits]. 023860
Teaching *sheep* and suckler cow management at Greenmount. 023089
Effect of energy sources on plasma insulin and nitrogen metabolism in *sheep* **totally** nourished by infusions. 023760
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[Weed, **toxic** to *sheep].* 026384
Concerning the fauna and occurrence of coccidia [of Eimeriaspp.] in *sheep* in **Turkmenistan.** 024578
Immunosuppression in ovine **typanosomiasis** *[Sheep].* 024753
Luteolysis induced by prostaglandin F2alpha compared with natural luteolysis in the *ewe.* An **ultrastructural** study. 023991
Increasing the wool quality of *sheep* in **Ural** Region. 022719
New inhibitors of methane production by rumen micro-organisms. Development and testing of inhibitors in **vitro** *[Sheep].* 023317

Effect of ameliorating summer temperature stress on some blood constituents of Large White Yorkshire **weaners** *[Sheep].* 023442
Effect of grasses fertilized with carbamide and diammonium phosphate on the chemical composition of meat and physical properties of the **wool** of *sheep.* 022715
Sulfhydryl groups in *[sheep]* **wool.** 022717
It is the number of lambs per *ewe* and per **year** that the system of production is oriented to. 024149

SHELF
Extending the *shelf-life* of **cultivated** mushrooms by gamma radiation. 022901
Improved acceptance and *shelf* **life** of frozen minced fish with shrimp. 022500
Influence of washing on the *shelf* **life** of cod. 022536
Use of in-package controlled atmospheres for extending the *shelf* **life** of meat products. 022665

SHELL
Stroncium content of poultry **bones** and *egg-shell.* 022723
Angoumois grain moth [Sitotroga cerealella]: chemical control of infestation in *shelled* **corn.** 028979
Is your cage-floor raising "seconds"? [Egg collection, *shell* **damage**]. 022730
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, wheat, rice or *shelled* **peanuts** supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Effect of strain and age on the relationship of oviposition time to *shell* **strength** [Chickens]. 023339
An evaluation of **two** *shell* egg marketing systems [Costs]. 021411

SHELLFISH
Shellfish **culture,** a food resource: the example of the Thaupond. 022527

SHELTER
Joint mushroom and cucumber culture in **plastic** *shelters.* 029939
Plastic *shelters* [Vegetables, culture]. 029940

SHELTERBELT
Effect of **forest** *shelterbelts* on productivity of fruit trees. 025041
Protective **forest** *shelterbelts* of hybrid poplars in Bashkiria. 025043
Improvement cutting in **forest** *shelterbelts.* 025154
Birch [Betula] trees in *shelterbelt* **forestry.** 025040
Research on [wheat] crop response to *shelterbelts* and **slat-barriers.** 026956
The "dirty **thirties**" *shelterbelt* project. 025011
Effects of the forest **tree** *shelterbelts* on the microclimate and agricultural production of the Bala State Farm. 025061

SHELTERWOOD
Dynamics of natural forest regeneration relative to *shelterwood* and **group-selective** cutting. 025199
Red squirrel response to clearcut and *shelterwood* **systems** in interior Alaska. 025067

SHIELDING
Plans for a *shielded* **herbicide** applicator for Christmas trees and nursery stock. 030114

SHIGELLA
Lipid A fever in cats [Produced by the endotoxin of *Shigella* **dysenteriae**]. 024612
Release of prostaglandin-like substances by *Shigella* **endotoxin** and its inhibition by non-steroidal anti-inflammatory compounds [Rabbits]. 024472

SHIITAKE
Virus-like particles in *shiitake* **mushroom,** Lentinus edodes (Berk.) Sing. 028249

SHIPPING
Optimizing transport and *trans-shipping* **operations** [Logging]. 025450

SHOCK
The effect of **heat** *shock* on differentiation of germinating conidia of Trichoderma viride [Fungi]. 026451
Osmotic *shock* as a prerequisite to pollen digestion in the alimentary tract of the worker honeybee [Apis mellifera]. 029820
Effect of **strong** *shock* waves on dicotyledon seeds [Turnip, Anethum graveolens, cucumber, radishes]. 027166

SHOOT
The stem as the factor of precedences between buds on the **annual** *shoot* of Rhamnus frangula L. 026706
Changes in the nitrogen reserves of **apple** *shoots* during the dormant season. 027197
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from bark and wood of **apple** *shoots.* 027204
Measures of control of **bamboo** *shoots* rot [Coniosporium bambusae]. 028098
Shoot **blights** of ohia and koa [Metrosideros collina polymorpha, Acacia koa] caused by Calonectria theae. 028075
Identification of common farm grasses. 2. Identification **bytheir** *shoots* and leaves. 025579
The influence of storage temperature and 2-chloroethylphosphonic acid (ethephon) on *shoot* **elongation** and flowering in tulips. 027091
Leaf water stress in Engelmann spruce [Picea engelmannii]: Influence of the root and *shoot* **environments.** 027336
Effects of daylength and temperature on *shoot* and **flower** production of Gerbera. 027599
Studies on the biology of sorghum shoot flies, Atherigona spp. (Muscidae: Diptera), and *shoot* **fly-sorghum** host plant relationships. 028799
Evaluation of brinjal varieties for resistance to *shoot* and **fruit** borer, Leucinodes orbonalis Guen. 028863
Should **grapevine** *shoots* be cut off after injury from herbicides? 028535
Symptoms of star crack virus on the fruit and *shoot* **growth** of apple cultivars. 028200
Contributions to the morphology and systematics of Klugieaeand Loxonieae (Gesneriaceae). I. *Shoot* and **inflorescence** organization of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. 025952
Induction of keikis **[lateral** *shoots]* on Ascocendas [a monopodial orchid] by cytokinin. 027109
Growth and flowering responses of Lilium longiflorum to bulb and *shoot* **light** and temperature treatments. 027077
Distribution of starch in the vegetative apex of the **maize** *shoot.* 026948
Shoot **morphology** and taxonomic position of Carex curvula All. 025750
The relation between the *shoots* of **plants** inoculated with [witches' broom] Cornyebacterium fascians [Peas]. 028135
Primary *shoot* production of blue grama [Bouteloua gracilis]grassland in south-central New Mexico under two soil nitrogen levels. 027525
Effect of temperature on respiration of mitochondria and *shoot* **segments** from cold-hardened and nonhardened wheat and rye seedlings. 027021
Studies on the biology of **sorghum** *shoot* flies, Atherigona spp. (Muscidae: Diptera), and shoot fly-sorghum host plant relationships. 028799
Effect of soil placement and *shoot* **uptake** of prometryne and terbutryne on peas. 028600
Distribution of enzymatic browning of **young** *shoot* homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. 025585
Shoot **zone** uptake of soil-applied herbicides in some legume species [Broadbeans, scarlet runner beans, vetch]. 028603

SHORTENING
Test of *shortening* the **biological** rearing time of cattle after birth by laparotomy under practice conditions. 024230
Effect of *shortening* during **cooking** on the tenderness and histology of beef. 022686

SHORTGRASS
Desert termite [Gnathamitermes tubiformans] control in a *shortgrass* **prairie:** effect on soil physical properties. 028727

SHRIMPS
Nutritional evaluation of protein from *shrimp* **cannery** effluent (Shrimp Waste Protein). 023748
Improved acceptance and shelf life of frozen minced **fish** with *shrimp.* 022500
Effect of ice storage on microbiological and chemical changes in *shrimp* and **melting** ice in a model system. 021922

SHRINKAGE
Note on the *shrinkage* **characteristics** as an index for structural evaluation of soils. 030224
Longitudinal *shrinkage* of compression wood [of Pinus silvestris] in dependence on water content and cell wall structure. 025934
Shrinkage during **potato** storage and its causes. 022868
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on *shrinkage* **property** of beech [Fagus sylvatica] wood. 025427

SHRUB
Seed treatment of Mojave **Desert** *shrubs* [to improve germination for revegetation planting]. 026354
Size-biomass relationships of several Chihuahuan **desert** *shrubs.* 026359
Dietary adaptability of the desert cottontail [Grasses, **forbs,** *shrubs].* 025911
The effect of white-tailed deer and showshoe hare browsing on trees and *shrubs* in **northern** Minnesota [Injuries]. 025060
Biology, ecology and control of insects of native and introduced [forest] trees and *shrubs* on the Great **Plains.** 028939
Seed scarifying machine [for tree and *shrub* **planting**] operated with superheated steam. 030084
Air layering [Woody or **semi-woody** *shrubs].* 027681
[Forest] tree and *shrub* **species** distribution for Great Plains planting (by states and years, 1970-1974). 025194
The use of fertilized and unfertilized peats of different origin for rooting cuttings [of ornamental **trees** and *shrubs].* 027647
Fall color from coast to coast **[Trees** and *shrubs].* 027683
Pruning **trees** and *shrubs.* 027731

SIBLING
Problems in *sibling* **matching** designs: a case report [Effects of malnutrition]. 022080

SIEROZEM
The effect of crop rotations on the **properties** of *Sierozems.* 030255

SIEVE
Characterization of cellulose quality by **dryed** *sieve* fractioning. 025369
Structure and development of the *sieve* **elements** in Psilotumnudum. 025941
P-type *sieve-element* plastids and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella) [Identification]. 025664
P-type *sieve-element* plastids and betalains in Portulacaceae (including Ceraria, Portulacaria, Talinella). 026449
Filament formation in vitro of a *sieve* **tube** protein from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. 027276

SIGMOID
A FORTRAN program, 'SIGMPLOT', for **fitting** *sigmoid* curves to threshold data and for plotting the result [Thresholds for odor and taste]. 022066

SIGNALS
Pheromones as **chemical** *signals:* the pheromone system of the honeybee [Apis mellifera]. 029786
Pheromones as **chemical** *signals* [Apis mellifera]. 029787
Signal **input** for a chemotactic response in the cellular slime mold dictyostelium discoideum. 026814
Programming LOIS [light operated interval switch] for multiple **mist** *signals* [Irrigation equipment]. 030021
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] *signals* in **Urs-12-enes.** 026463

SILAGE
Use of gas chromatography to determine the lactic **acid** in *silage.* 023051
Does your *silage* **chain** still have a weak point? 030025
Effects of **chopping** *ensilaged* alfalfa (Medicago sativa L.) and the conservation process on the feeding behavior of sheep. 023918
Nitrogen content in **combined** *silages* with varied alfalfa contents. 023084
Feeding **corn** *silage* plus manure from caged layers or dairy cows as total mixed rations for dairy heifers. 023819
New cultivar of *silage* **corn,** "Hokuyu" [Varieties]. 027493
Silage in **dairy** rations. 023933
New trends in *ensiling* **forages.** 023079
Storage time and fermentation temperature of **grass** *silage* as factors affecting its voluntary consumption by sheep. 023055
No associative effects between corn and **haycrop** *silages* fed to lactating dairy cows. 023770
Study on assessment of the quality of roughage. 2. Comparative value of orchardgrass hay and *silage* **influenced** by harvesting time and cutting frequency. 023066
Beef production, fattening young cattle. Energy supplementation of diets with a **maize** *silage* base. 023911
Some principles of agrotechnics in the irrigation of *silage* **maize.** 030742
A note on the laboratory evaluation of 2-bromo-2-nitropropane-1,3-diol as a **potential** *silage* additive. 023047
Wagon **rack** for *silage-feeding.* 029966
Effect on intake of adding sodium bicarbonate to *silage* **[Sheep].** 023800
Feeding value of *silage* from a **tillering** and a nontillering hybrid corn [Sheep, steers]. 023721
Beef production from untreated silage and *silage* **treated** with a mixture of formalin and formic acid [Cattle]. 023826
The nutritive **value** of *silages.* 023851
The conditions for the occurrence of secondary fermentation on **wilted** *silage.* 023067

SILICA
Determination of the diet of phytophagous animals, based on the analysis of the siliceous phytoliths of Gramineae and Cyperaceae. Description of *silica* **bodies** based on scanning. 025883
Behaviour of 7-methyljuglone and two related naphthoquinones on *silica* **gel** exposed to air [Ebenaceae]. 026637
Determination of the diet of phytophagous animals, based on the analysis of the *siliceous* **phytoliths** of Gramineae and Cyperaceae. Description of silica bodies based on scanning. 025883
Determination of the diet of phytaphagous animals based on the analysis of the *siliceous* **phytoliths** of Gramineae and Cyperaceae. Application to food selection by Orthoptera, Acridiida. 029263

SILICATE
Influence of chemical agents on weathering of *silicate* **minerals** [Clay minerals]. 030310

SILICIC
Studies on soil improvement materials. I. Effect of phosphate fertilizers, *silicic* **calcium,** carbonate percipitated and compost of bark on citrus trees. 030433

SILK
Studies on the improvement of the **floss** *silk* and hand spun silk processing. 022533
Trehalase activity in the *silk* **glands** of the silkworm, Bombyx mori (Lepidoptera: Bombycidae). 029777
Growing *silk* wealth of Andhra pradesh [Sericulture]. 029792
Studies on the modification of natural water conditions for cocoon cooking operation in *silk* **reeling** process. 022534
Studies on dissolution behaviors and structural characteristics of *silk* **sericin.** 022414
Studies on the improvement of the floss silk and hand **spun** *silk* processing. 022533
Studies on the growth of the silkworm, Bombyx mori L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of *silk* **substance** and **eggs.** 029776

SILKMOTHS
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the *silkmoth* **Hyalophora** cecropia during the larval-pupal transformation. 029725

SILKWORM
A simple procedure for partial purification of *silkworm* **[Bombyx** mori] brain hormone. 029716
Nutrition and artificial feed for *silkworm* **[Bombyx** mori]. 3. 029717
Studies on the growth of the *silkworm,* **Bombyx** mori L. IV. Mutual relationships between the Growth in the fifth instar larvae and the productivity of silk substance and eggs. 029776
Trehalase activity in the silk glands of the *silkworm,* **Bombyx** mori (Lepidoptera: Bombycidae). 029777
Studies on aminotransferases in the developing ovary of the *silkworm* **Bombyx** mori L. 029790
Studies on aminotransferases in the developing ovary of the *silkworm* **Bombyx** mori L. 029791
Application of disk-electrophoresis method to investigate tissues of *silkworm* **[Bombyx** mori] larvae infected by nuclear polyhedrosis virus. 029796
Effect of short-term inbreeding on biological characteristics of the *silkworm* **[Bombyx** mori]. 029797
The effect of antibiotics on RNA biosynthesis in tissues of *silkworm* **[Bombyx** mori L.) chrysalis during metamorphosis. 029799
Further characterization of the *silkworm* **[Bombyx** mori] diapause hormone A. 029838
Relationship between hormone titres and RNA and protein syntheses when the change to the pupal programme occurs in the *silkworm,* **Bombyx** mori. 029839
Autumn: *silkworm* **[Bombyx** mori] variety "Jam 113 X Jam 114". 029855
Incorporation of labelled amino acid into ova during ovarian development in the *silkworm,* **Bombyx** mori L. 029864
Effect of synthetic juvenile hormone analogues on the *silkworm* **Bombyx** mori L. 029865
Parasites and pathogens of the Japanese nut tree **giant** *silkworm* [Forest pests, natural control]. 028966
The cocoon spinning behaviour of the Chinese **oak** *silkworm,* Antheraea pernyi. 029726

SILOS
The trend is to the *silo* in **cereal** storage. 029929
Economic **construction** of *silos.* 029933
Dust removal **devices** in *silos.* 029932
Influence of technical methods on the costs of silaging in high and **flat** *silos.* 021449
Heat-technical examination of green **fodder** *silos.* 029955
Don't fill your **high** *silo* with poisonous things! 023023
Hydro-Silo-Boy *silo* withdrawal device. 030029
The quality of *silo* **maize** is considered in bull fattening. 023025
Pressure of granular material on wall of **model** *silo.* 029915
Running, connecting pipes and conversion **organs** in *silos.* 029935
Modern building construction in signs of **progress** *[Silos].* 029934
Hydro-Silo-Boy **silo** withdrawal device. 030029
On the conditioning of white **sugar** *silos.* 029985
Kinematic criteria for the designing of **top-unloader** *silo.* 029974
The use of magnesium phosphide tablets with hydrogen phosphide in gas treatment of **wheat** in *silos.* 023029

SILT
The utilization of **active** *silt* [at a wood hydrolisis mill]. 025351
Clay mineralogy of some Indian soils in relation to mineralogy of the sand and *silt* **fractions.** 030301
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and *silt* **loam** soils by oximecarbamate and organophosphate nematicides. 028327
Influence of zinc on symbiotic nitrogen fixation by soybean (Glycine max Linn.) in *silt* **loam** soil. 030222
Agropyron junceum and Ammophila arenaria: two pioneer plants in *silt* and **sand.** 026681
Enumeration, concentration, and separation of microbial cells from natural habitats [Soils, *silt,* **water** and other natural habitats]. 030907

SILVER
Investigations on the timber quality of *silver* **fir** [Abies] and Norway spruce [Picea abies] from selection stands. 025296

SILVICULTURE
Silvicultural **education** and research at the University of Forestry and Timber Industry, Sopron. 025183
Evaluating the **effectiveness** of *silviculture.* 025206
Silviculture and **environment-protection** in Hungary. 025185
Silvicultural **evaluation** of the operation of the KBL-1 cultivator. 030085
Silvicultural use of **herbicides** in Pacific Northwest forests. 028588
On growing planting stock in the forest nurseries of **Karelia** *[Silviculture].* 025211
Orientations and trends in **modern** *silviculture* concerning the choice and application of treatments in the light of forest functions. 025232
The equipment and machine complex for *silvicultural* **operations** on irrigated land. 030087
Is coast redwood [Sequoia sempervirens] an answer to the Mangatu **problem?** *[Silviculture].* 025219
Primary directions in the reproduction of forest resources in the USSR **[Reforestation,** *silviculture].* 025212
Silvicultural **research** in the Forest Research Institute [Hungary]. 025184
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different *silvicultural* **technologies,** according to the age and height of the tree of clone I-214 [Populus euramericana]. 025244
Establishing forest stands in the taiga **zone** *[Silviculture].* 025205

SILYL
Uniform method for manufacturing sugar **oxime** *silyl* derivatives for gas chromatographic analysis. 022748

SIMAZINE
Effects of *simazine* **applicatins** and watering on asparagus seedlings [Weed control]. 028554
Uptake, distribution, and degradation of *simazine* by **black** walnut [Juglans nigra] and yellow-poplar [Liriodendron tulipifera] seedlings [Herbicides]. 028624
The influence of glucose on *simazine* **decomposition** [by Penicillium citrinum in soil]. 030171
Persistence and movement of *simazine* **[herbicide]** in soil. 029140
Residues of atrazine, *simazine,* **linuron** and diuron after repeated annual applications in a peach orchard. 029182
The kinetics of dissolution of atrazine, propazine and *simazine* in **water.** 028605

SIMMENTAL
First results of cross-breeding Red Holstein and *Simmental* **catle.** 024234
Creep feeding and subsequent maternal ability of *Simmental* **cross** calves. 023628
Crossbreeding "Red Holstein Friesian X **German** *Simmental"* cattle. Preliminary results from Bavaria. 024280
Quality of hides and skins of young Hereford and *Simmental* **hybrids** [Properties, composition]. 022720

SIMPLEX
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated **Herpes** *simplex* virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423

SIMULATION
Environmental physiology, modeling and *simulation* of **alfalfa** growth. Conceptual development of SIMED [Simulation of Medicago]. 027041
Biological transformation of clay-sized sediments in *simulated* **aquatic** environments. 030948
Evaluation of ascorbyl monoesters for the inhibition of nitrosopyrrolidine formation in a model system *[simulating* **bacon].** 022680
SOYMOD I: A dynamic simulator of soybean growth and development **[Computer** *simulation* model]. 027055
Computer *simulation* used to control [apples] orchard mites [Panonychus ulmi, Stethorus punctum, biological control]. 028890
A **computer** *simulation* model for population studies of woodland pool Aedes mosquitoes. 029009
A system of growth equations for the **continuous** *simulation* of plant growth. 026853
Evaluation of a model for *simulating* **continuous** streamflow from small watersheds. 030726
Effects of *simulated* **damage** by midges [Conatarinia texana] on seed production by guar. 028750
SOYMOD I: A **dynamic** *simulator* of soybean growth and development [Computer simulation model]. 027055
A note on **econometric** *simulation* model for Canadian dairy industry. 023101
NUBES [Nottingham University Beef **Enterprise** *Simulator]* on the farm [Planning, control]. 021250
Genetic feedback and *simulated* **environmental** catastrophes [Musca domestica]. 029003
Identification of vinyl chloride in polyvinyl chloride and *simulated* **food** solvents. 021836
The influence of hardness components (Ca^{2+} and Mg^{2+}) in water on the uptake and concentration of cadmium in a *simulated* **freshwater** ecosystem [Nitella flexilis, algae, Elodea. 030650
A *simulated* **fruit** gel suitable for freeze dehydration. 022496
Environmental physiology, modeling and simulation of alfalfa growth. Conceptual development of SIMED *[Simulation* of **Medicago].** 027041
Simulation **model** for grain transportation and handling rationalization on a regional basis. 021479
User's manual for the National Agricultural **Policy** *Simulator* (POLYSIM) [Computer programs]. 021791
User's manual for update; an auxiliary [computer] program for POLYSIM [National Agricultural **Policy** *Simulator].* 021792
A **rainfall** *simulator* for pesticide leaching studies. 029183
Erosion losses from Hawaii soils under *simulated* **rainfall.** 030604
Optimization of water use efficiency under high frequency irrigation. II. **System** *simulation* and dynamic programming. 030738
Simulation of **temperature-dependent** development in population dynamics models [Anthonomus grandis, Trichoplusia ni, Heliothis zea]. 029288
A **timber-water** *simulation* model for lodgepole pine [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071

SIMULIIDAE
Inversion polymorphism in natural populations of two species of black flies [Metacnephia pallipes, Sulcicnephia petrovi] **(Diptera,** *Simuliidae).* 029493
Effects of insect developmental inhibitors on adult emergence of black flies [Simulium verecundum] (Diptera: *Simuliidae.* II. 029002

SIMULIUM
Microsporidia in *Simulium* **larvae:** systematics; ecological, pathological and cytochemical data. 028992
Quantitative aspects of Simulium virgatum Coq. And *Simulium* **species** life history in a southern Oklahoma stream. 029222
Effects of insect developmental inhibitors on adult emergence of black flies *[Simulium* **verecundum]** (Diptera: Simuliidae. II. 029002
Quantitative aspects of *Simulium* **virgatum** Coq. And Simulium species life history in a southern Oklahoma stream. 029222

SINAPIS
Control by phytochrome of cytoplasmic and plastid rRNA accumulation in cotyledons of mustard *[Sinapis* **alba]** seedlings in the absence of photosynthesis. 026787
The inhibition of flowering by abscisic acid in *Sinapis* **alba** L. 026865

SINOPTERIDACEAE
Scanning electron microscopy of trichomes of **Cheilanthes** *(Sinopteridaceae).* 026759

SINUS
Respiratory *sinus* arrhythmia: noninvasive measure of parasympathetic cardiac control [Dogs]. 023471

SIRE
Predicting **beef** *sire* genetic values for growth traits from progeny records. 024094
Sire selection **Canadian** style: the Canadian production system [Dairy cattle]. 024172
Inverse of a matrix of relationships due to *sires* and **maternal** grandsires [Artificial insemination]. 024101
Sire **procurement** in Canada. 024170
Sire **procurement** in Canada. 024171
Fertility of imported deep frozen semen of Brown Swiss **proven** *sires* at the N.d.r.i. [National Dairy Research Institute], Karnal. 024072

SIRICIDAE
Controlling *Sirex* [noctilio] with a nematode [Deladenus siricidicola]. 028953
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of woodwasps *[Sirex* **noctilio,** pest of pine trees, biological control]. 028951

SISTER
Serum calcium and magnesium levels during pregnancy and at calving in heifers and young cows, and the relationship between these components and the incidence of puerperal paresis in **older** *half-sisters.* 024253

SITE
Vasopressin release by nicotine: the *site* of **action** [Cats]. 023336
The refined crystal structure of bovine beta-trypsin at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and **active** *site* at pH [hydrogen-ion concentration] 7-0. 023535
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; **effective** *site* of topical application on oviposited olives. 028837
In vivo studies of the *site* of **fatty** acid synthesis in the rabbit. 023448
Climatic and vegetational classifications in regional site classification. Considerations from the **forest** *site* classification system in Baden-Wurttemberg. 025091

Site and **growth** of the important bamboo plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the yield tables]. 025080
Polymorphic *site* index curves for natural sweetgum [Liquidambar styraciflua] in Alabama. 025081
Climatic and vegetational classifications in **regional** *site* classification. Considerations from the forest site classification system in Baden-Wurttemberg. 025091
Localization of the effective **thermosensitive** *site* in the preoptic region of the ox. 023465
Change of **web** *site* in Argiope spiders (Araneidae). 029204

SITONA
Studies on the population of *Sitona* **(Coleoptera,** Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the population fluctuations of Sitona lividipes Fhs. 028688
Toxicity of fringe treatments of peas [Chemical and biological **control** of *Sitona].* 028916
Clover root curculio *[Sitona* **hispidulus]:** Control with granular carbofuran as measured by alfalfa regrowth, yield, and root damage. 028749
Notes on the biology and distribution of three recently discovered exotic weevil pests [Atrichonotus taeniatulus, Floresianus sordidus, *Sitona* **humeralis]** in Hawkes Bay pastures]. 028782
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils *[Sitona* **lineatus,** Apion vorax, broadbeans]. 028219
Studies on the population of Sitona (Coleoptera, Curculionidae) in Egypt with special reference to the effect of certain climatic factors on the population fluctuations of *Sitona* **lividipes** Fhs. 028688

SITOPHILUS
Biological efficacy of some plant materials against *Sitophilus* **oryzae** Linnaeus. 028656
Incidence of Anisopteromalus calandrae Howard (Hymenoptera: Pteromalidae) on *Sitophilus* **oryzae** Linnaeus. 028723
Accessory cells of the mycetome in the rice weevil, *Sitophilus* **oryzae:** post-embryonic development. 028968

SITOSTEROL
Composition of *beta-sitosterol* **extracted** from tall [oil] products. 025301

SITOTROGA
Angoumois grain moth *[Sitotroga* **cerealella]:** chemical control of infestation in shelled corn. 028979
Mortality of three stored product moths *[Sitotroga* **cerealella,** Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. 028981

SKELETON
The process of survival of denervated and freely **autotransplantated** *skeletal* muscle [Cats]. 023412
Skeletal **buffering** of acute metabolic acidosis [Dogs, cats]. 023226
Postmortem glycolysis in **ground** *skeletal* muscle as influenced by prerigor freezing and subsequent thawing. 022718
Myo-epithelial junctions in *skeletal* and in **intestinal** tract muscle of the mite, Caloglyphus anomalus (Acarina). 029437
The effect of physical training on *skeletal* **muscle** enzyme composition in pigs. 023195
Skeletal **muscle,** liver and wool protein synthesis by sheep infected by the nematode trichostrongylus colubriformis. 024429
Effects of severe energy and protein deficiencies on the fibres and nuclei in *skeletal* **muscle** of pigs. 024828
Irieol A and iriediol, dibromoditerpenes of a **new** *skeletal* class from [red seaweed] Laurencia. 026847
The connective **tissue** *skeleton* in the mammalian kidney and its innervation [Includes livestock]. 023174
Growth of *skeleton* **weed** (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496

SKIDDING
Improved armature for *skidding* **chokers** [Logging equipment]. 025440
Establishing typological base of work means and modalities by *skidding* and **transport** of round timber, in the case of some coupes within Forest Enterprise for Logging and Transport Brasov. 025478
Stormflows and erosion after **tree-length** *skidding* on Coastal Plain soils [Logging equipment]. 025527

SKIM
Pretreatment of milk and *skim* **milk** for the manufacture of buttermilk and yoghurt. 022572
Whey and *skim* **milk** [Membrane processing]. 022578
Manufacture of soft cheese without drainage of whey from concentrates of **ultrafiltrated** *skim* milk. 022613

SKIN
Demonstration of gap junctions by lanthanum in the vitamin A **acid-treated** *skin* tumor, Keratoacanthoma [Rabbits]. 024838
Effect of modification of methionine side chains on the interaction properties of collagen [prepared from **calf** *skin].* 023435
Hemodyamic and ventilatory effects of *skin-cooling* in **cattle.** 023410
Sulfur content in hairs and *skin* of different **coloured** rabbits and mice. 023683
Some factors influencing the *feather-skin* **connection** [Poultry]. 023340
The segmental projection of the cervix uteri of the **cow** on the *skin.* 023674
The reaction of hair follicles in the vicinity of full-thickness **excised** *skin* wounds in the dog. 024978
Feather-forming and hair-forming of dermal cells from **glabrous** *skin* of birds and mammals [Chick, quail and mouse embryos]. 023351
Immunosuppression in rabbits: *skin* and **kidney** allografts. 024340
Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, Cheyletiellidae) and Micromonosora chalcea (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the *skin* of **pigeon.** 028989
Suppressive effects of antibiotics on experimentally inoculated Staphylococcus aureus populations on the *skin* of **poultry.** 024459
A study on the influence of the structural chemical constituents of the *skin* of **watermelon** (Citrullus lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. 027178
Quality of hides and *skins* of **young** Hereford and Simmental hybrids [Properties, composition]. 022720

SLAB
Steady-state field of insulated slab with internal heat sources [Heating, insulating, **concrete** *slab* floors]. 029971

SLASH
An attempt (and failure) to correlate duff removal and *slash* **fire** heat [Broadcast burning, Pseudotsuga menziesii, Larix]. 025252
Fifteenth-year results from progeny tests of *slash* **pine** [Pinus elliottii]. 025264
Within-crown distribution of cone and seed insect damage to *slash* **pine** flowers, conelets, and cones [Pinus elliottii, pests, Gnophothrips fuscus, Dioryctria. Laspeyresia]. 028938

SLAUGHTER
Intracutaneous test for determining swine brucellosis, a contribution for *slaughter* **animal** study in original stocks. 024727
Production of crude fats from *slaughter* **animals** and its technical significance in the production of meat products. 022652
Comparison between two methods of selecting 20-month steers for *slaughter* **[Carcass** weight]. 022699
Hyperglycemia observed in *slaughter* **cattle.** 024832
Pregnancy in *slaughtered* **cows** in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and carcase weight. 024034
Soviet **distress** *slaughter* [of hogs and poultry brought about by the poor grain crop] down from September high [Production]. 021562
Studies on Salmonella in domestic animals. I. Salmonella cultures isolated from **dogs** *slaughtered* in Gang-Weon Province. 024694
Biochemical diagnosis of degenerative myopathy of early young cattle. Study of two cases observed in a **Lyons** *slaughterhouse.* 024831
Application of the direct fluorescent antibody technique for the detection of Salmonella in the mesenteric lymph nodes of **normal** *slaughter* pigs. 024416
Studies on the contents of free amino acids, inosinic and lactic acids in the lean meat from pigs of different body **weights** at *slaughtering.* 022647
Feeding **young** *slaughter* calves requires permanent attention. 023788

SLEEP
Humoral transmission of *sleep.* IX. **Activity** and concentration of the sleep peptide delta in cerebral and systemic blood fractions [Rabbits]. 023608
Better chances in **controlling** *sleeping* sickness: radiation sterilization of tsetse flies [Glossina]. 029074
Observations on the egg laying and *sleeping* **habits** of Euparagia scutellaris Cresson (Hymenoptera: Vespoidea). 029468
Humoral transmission of sleep. IX. Activity and concentration of the *sleep* **peptide** delta in cerebral and systemic blood fractions [Rabbits]. 023608

SLIDE
Gravity *slide* studies on atmospheric pollen in Finland. 025600
Preparing a *slide-tape* **program** = a step-by-step approach, part 1. 022282

SLIME
Genetic control of development of the **cellular** *slime* mold, Dictyostelium discoideum. 026086
Structural organization and processing of the genetic transcript in the **cellular** *slime* mold Dictyostelium discoideum. 026149
Dictyostelium [discoideum, **cellular** *slime* mold] aggregate-less mutant plasma membranes. 026559
Cyclic AMP [adenosine monophosphate]-induced changes in protein synthesis in a **cellular** *slime* mold, Polysphondylium pallidum. 026689
Signal input for a chemotactic response in the **cellular** *slime* mold dictyostelium discoideum. 026814
Morphogenesis in the *slime* **mold** Dictyostelium discoideum. 1. The accumulation and erasure of "morphogenetic information. 026535
The function of *slime* from **Physarum** flavicomum [Fungi] in the control of cell division. 026458
Studies on the secretion of maize **root-cap** *slime.* III. Histochemical and autoradiographic localization of incroporated fucose. 027037

SLIP
Pakistani edible oil imports rise, but U.S. **Share** *slips.* 021551
On *slip* **surface** and slope stability analysis [Soil mechanics]. 030359

SLOPE
VIEWIT: computation of seen areas, *slope,* and **aspect** for land-use planning [Computer programs]. 021194
Protection of the nature of the **Slovak** *slopes* of the Babia Gora. 030835
Vertical distribution of the natural and introduced flora on the central **southwestern** *slope* of Tenerife (with examples of vegetation types). 025749
On slip surface and *slope* **stability** analysis [Soil mechanics]. 030359
Study of [seed] mixtures for hydrosowing [Perennial grassesand legumes, soil **stabilization** on *slopes].* 030609

SLUDGE
Bioflocculation as means of improving the dewatering characteristics of **activated** *sludges.* 030566
Activated *sludge* primary biodegradation of polychlorinated biphenyls. 030812
Aerobic stabiliztion of waste **activated** *sludge:* an experimental investigation [Sewage disposal]. 030870
Biological treatment with a two stage **activated** *sludge* process of wastewater containing cyanide. 030926
Microbiological basis of phosphate removal in the **activated** *sludge* process for the treatment of wastewater. 030938
Microbial contamination of air by **activated** *sludge* units. 030987
Sludge **dewatering** trials at Banbury. 030978
Virus consideration in land disposal of sewage **effluents** and *sludge.* 030956
Dewatering of **organic** *sludge* by pulverized coal. 030929
Performance studies on a **pilot-scale** *activated-sludge* plant [Wastewater treatment]. 030976
Incombustibility of fire-retardant [fiber] boards made of **pulp** *sludge* and perlite. 025430
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a **sewage** *sludge* contaminated with zinc, copperand chromium. 028360
Use of **sewage** *sludge* on agricultural land and the effects of metals on crops. 030567
Epidemiology of salmonellae [in cattle] and fertilizing of grassland with **sewage** *sludge.* 030572
Nitrification of [anaerobically digested] **sewage** *sludge* [in soil] using miscible displacement and perfusion techniques. 030822
Significance of trace metals and nitrates in *sludge* **soils.** 030253
Upgrading primary treatment with chemicals and water **treatment** *sludge.* 030934
An economic study of the unox and conventional aeration systems *[Sludge* **treatment].** 030974

SLURRY
Some properties of a Lehm-Staugley soil as influenced by increasing levels of *slurry* **application.** 030183
The effect of *slurry* **nitrogen** in dependence on application date, straw manuring and catch-crop growing under different local conditions. 030419

SMITTIA
Mitochondria and polarity in the egg of *Smittia* **spec.** (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507

SMOKE
Cannabis *smoke* condensate: identification of some acids, bases, and phenols [of marijuana cigarettes]. 021907
The effect of *smoking* and **drying** on the lipids of West African herring (Sardinella spp.). 022504

SMUTS
Determination of infectibility of **barley** by loose *smut.* 028110
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. **[Common** *smut* of maize] strains that are distinct in nuclear ploidy and pathogenicity. 028025
Reserves for increasing the effectiveness of seed treatment **[Covered** *smut,* control, cereals]. 028116
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of Ustilago hordei *[Smut* **fungi].** 026113

Agrotechniques in controlling loose *smut* of **maize** [Sorosporium reilianum]. 028102
Establishment of new sources of resistance to the groups of races of barley **pollen** *smut* (Ustilago nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. 026166
The influence of *smut* [**Sphacelotheca** anayati] on the productivity of Iseilema laxum Hack. 027949
Conditions of germination of chlamidospores of *smut* **Urocystis** leimbachii (Oertel) Liro and the ways of its infection of Adonis vernalis. 028009
Disappearance of *smut* [**Ustilaginales**] from [cereal] fields [Orenburg Region]. 028111
The evaluation of the initial [breeding] material of winter wheat for resistance to loose *smut* [**Ustilago** tritici]. 026268
Loose *smut* of **wheat** and barley, even though the seed has been dressed [Ustilago nuda]. 028044

SNAILS

Biological control of *snail-borne* **diseases.** Studies on the competitive exclusion between Physa acuta, Draparnaud and Biomphalaria glabrata, Say. 024491
Biological control of *snail-borne* **diseases.** Study on predatory capability of Hirudo medicinalis (Gnathobdelliformes: Hirudidae) Linne against Biomphalaria glabrata Say. 024492
Thermal susceptibility of Salmonella in the Moroccan **food** *snail,* Helix aspersa. 021916
Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy [Cattle, liver fluke, **transmission,** *snails].* 024653

SNAKES

Brown *snake* bite in horses in southeastern Queensland. 024972

SNAPBEAN

Effect of seed-placed fertilizer on the emergence (germination) of soybeans (Glycine max L.) and *snapbeans* (**Phaseolus** vulgaris L.). 026942

SNAPDRAGON

The effect of morphactin on the nutrient concentration of *snapdragons* [**Antirrhinum** majus]. 027190

SNOWS

Estimating the transport and evaporation of **blowing** *snow.* 030701
Snow **management** on the Great Plains; symposium. July 29, 1975, Bismark, North Dakota. 030705
Snow **management** on the Canadian prairies [as an additional source of soil moisture]. 030706
Snow **management** on eastern Montana rangelands. 030707
Snow **management** for water conservation in Wyoming. 030708
Water conservation by *snow* **management** in North Dakota. 030712
Windbreaks for *snow* **management** in North Dakota. 030713
An application of the aerial gamma monitoring techniques for **measuring** *snow* cover water equivalents on the Great Plains. 030700
Snow research and predicition of *snow* **melt** runoff in Minnesota. 030709
Snow **trapping** and crop management with tall wheatgrass barriers in Montana [Soil water supplies]. 030710

SOAKING

Absolute dormancy of pollen induced by *soaking* in **organic** solvents [Chrysanthemum pacificum, Lilium longiflorum]. 027282

SOCIALISM

25 years of *socialist* **agricultural** science in Czechoslovakia. 021139
Economical-statistical analysis of causes of different returns in *socialist* **agricultural** enterprises. 021360
Development of mechanization of *socialist* **agriculture** in the Czechoslovak Socialist Republic and main tasks of research in the field of agricultural engineering. 030126
25 years of **Czechoslovak** *Socialist* agriculture. 021138
Basic features of agricultural economics in the **Czechoslovak** *Socialist* Republic. 021222
Preparations for commercialization of irradiated foods in the **Czechoslovak** *Socialist* Republic. 022475
Development of mechanization of socialist agriculture in the **Czechoslovak** *Socialist* Republic and main tasks of research in the field of agricultural engineering. 030126
Methodological problems of *socialist* **forecasting** of the agricultural complex. 021767
Investigations on the etiology of cherry decline in the German Democratic Republic and the **Moldavian** *Socialist* Soviet Republic [Virus diseases]. 028305
The result and development of *socialist* **science** and research in the field of animal production. 023160
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, pest of pine trees] in the Mari Autonomous **Soviet** *Socialist* Republic. 028950

SOCIOECONOMIC

Socioeconomic **factors** affecting domestic water demand in Israel. 030794
Epidemiology, *socioeconomic* **importance** and control of rabies in Italy. 024748
A study of *socioeconomic* and **personal** traits of farmer patrons of a dairy project. 021098

SOCIOLOGY

African peasants and resistance to change: a reconsideration of *sociological* **approaches.** 021101
Concept of social action in the country [**Rural** *sociology].* 021079
Tuareg people and development [**Rural** *sociology].* 021126
The impact of schools on learning achievement of children [**Rural** *sociology].* 021137
Free from where to where? [**Rural** *sociology].* 021156

SOD

Sod-seeding [**practices** for] legumes in permanent pastures. 027396

SODIUM

Effect of *sodium* **acetate** on growth and aflatoxin production by Aspergillus parasiticus NRRL 2999. 021924
Effect on intake of **adding** *sodium* bicarbonate to silage [Sheep]. 023800
Effect of *sodium* **alkalis** and salts on pH [hydrogen-ion concentration] and flavor of soymilk [Soybeans]. 022783
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na *[sodium]-polyphosphate* in **calcareous** saline soil suspensions. 030348
Biosynthesis of ursene-type triterpenes from *sodium* (1,2-13C [**carbon** isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463
Effect of *sodium* **chloride** on rehydration of freeze-dried carrots. 022931
Lethal levels of *sodium* **chloride** and potassium chloride for an oligochaete, a chironomid midge, and a caddisfly [Nais variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
Purification of odorous effluent gases by oxidation using *sodium* **chlorite** [Food processing industry]. 030895
Sodium **cloxacillin** for treatment of mastitis in lactating cows. 024597
Methods of **determining** *sodium* glutamate. I. Soups and broths. 022379
The effect of high **dietary** *sodium* chloride on renal function in chicks. 023713
The SPS *[sodium-polyanethol-sulfonate]* and **digitonin** tests applied to porcine mycoplasmas. 024401
Washing of pulps. 3. Transfer rates of **dissolved** *sodium* andlignin from pulps in a dilute, agitated suspension. 025498
SDS *[sodium* **dodecyl** sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Electrogenic *sodium* pumping in rabbit small intestinal smooth muscle. 023211
Scanning electron microscope (SEM) observations of soil structure changes induced by *sodium-calcium* **exchange** in relation to hydraulic conductivity. 030344
Changes in renal hemodynamics and *sodium* **excretion** during saline infusion in lambs. 023180
Calcium, magnesium, potassium, and *sodium* in **honey** and in nectar secretion. 022487
Sodium **hydroxide** treatment of different roughages [Feeds]. 023065
Washing of pulps. 2. The sorption of Na, Mg and Ca *[sodium,* **magnesium,** calcium] on kraft pulp. 025497
The mineral nutrition of culture chlorophyllous cells of tobacco. II. Effects of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, *sodium]* in the **medium** on growth conditions of cells. 026912
Long distance transport of potassium in intact peanut seedlings: effect of *sodium* and **ouabain.** 027121
Calcium, *sodium,* **phosphate,** a contribution to the correct performance mineral supply for livestock. 023049
Sodium as a **plant** nutrient. 026858
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. *Sodium,* **potassium,** chlorides, urea and hematocrit. 024355
Influence of physical factors on the growth of insect cells in vitro. II. *Sodium* and **potassium** as osmotic pressure regulators of moth cell growth. 029370
Effect of parathyroid hormone secretion on *sodium* **reabsorption** by the proximal tubule [Dogs]. 023205
Dependence of the quality of muscadine and red grape varieties and wines on the content of *sodium* **salts** in the soil. 022988
Evolution of chlorinated phenols from concentrated boron solutions containing these phenols added as their *sodium* **salts** [Wood preservation]. 025465
Properties of *sodium* **sulfide**—sodium carbonate melts [Pulping]. 025490
Effect of some soil amendments on plant growth, survival and yield of dry beans (Phaseolus vulgaris L.) in relation to *sodium* **toxicity.** 028379

SOFT

Manufacture of *soft* **cheese** without drainage of whey from concentrates of ultrafiltrated skim milk. 022613
Backwater shutters with a *soft* **covering** [Irrigation channels]. 029941
A comparison of vitreous and *soft* **endosperm** high-lysine and common maize in diets for growing rats and pigs. 023755
Promotion of *softening* and **ethylene** synthesis in Bartlett pears by 3-methylene oxindole. 022960
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of pits yielding pale, *soft* **exudative** meat. 021840
Effect of polyphosphates on low quality (PSE) [pale, *soft,* **exudative**] hams during processing. 021909
Chemical, palatability and cooking characteristics of normal and low quality [pale, *soft,* **exudative**] pork loins as affected by freezer storage. 022674
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE [pale, *soft,* **exudative**] porcine muscle [Swine]. 022684
Storage characteristics of some vegetables and *soft* **fruits.** 022879
Recent tendency in research on PSE [**pale** *soft* exudative] porcine muscle. 022691
Molecular sizes of polysaccharides liberated from cell wall [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of *soft* **rot** Pseudomonas [marginalis]. 028132
Soft **serve** desserts: the Midas touch. 022237
Influence of low temperatures on meiotic abnormalities in *soft* **spring** wheat. 026144
Study of the inheritance of sedimentation indicator of *soft* **winter** wheat. 026262

SOFTWOOD

Use of *softwood* **broadleaved** species from natural forests and plantations for obtaining sulphate pulp [Poplar wood]. 025525
On an enzymatic pretreatment of *softwoods* to **improve** their penetrability. 025364
Dynamics of *softwood* **introduction** in the stands from Alba district. 025228
Drought effects from the 7314 1973 on *softwood* **plantations** on eroded terrains at Chela-Macin in the north of Dobrudja silvo steppe. 025227
Sorption **studies** of *softwoods.* 025474

SOILS

Environmental influences on the nutrient cycle of a beech [Fagus] forest on **acid** *soil.* 027316
Real conditions of mechanical similarity appearing while [bulldozing, compaction, shearing and friction] forces **act** on *soil.* 030337
Observations on some *soil* **Actinedida** (= Prostigmata) from North America. I. A new species of Caligonellidae (Acari, Raphignathoidea): Coptocheles grandjeani n. sp. 029524
Observations on some *soil* **Actinedida** (= Prostigmata) from North America. II. Redescription of Neophyllobius farrieri De Leon 1958 (Acari, Raphignathoidea, Camerobiidae [New taxa]. 029525
Observations on some *soil* **Actinedida** (= Prostigmata) from North America. III. Description of two new species of Cryptognathus (Acari, Raphignathoidea, Cryptognathidae). 029526
The effect of prometryne on biological **activity** of the *soil.* 028596
Ethylene as a critical regulator of microbial **activity** in *soil.* 030213
Soil temperature and *soil* **aeration** effects on concentrations and total amounts of nutrients in 'Yecora' wheat grain. 027047
Soils **affect** efficiency of nitrogen fertilizers [Maize]. 030522
Nitrogen transformations in *soil* as **affected** by the fungicides benomyl, dyrene, and maneb [Effects on microorganisms]. 030177
Physical properties of normal and salt **affected** *soils* of Uttar Pradesh. 030225
Direct and residual effect of green manures and other organic residues on *soil* **aggregation** and potato yield. 030483
Occurrence and development of Agriotes lineatus (Coleoptera, Elateridae) in the European USSR [**Agricultural** *soil* pests]. 029475
Effect of rotary soil tillage on **agrophysical** *soil* properties and crop yields [Sugarbeets, wheat]. 030599
Adsorption, degradation and leaching of **alachlor** in some *soils.* 030233
Notes on the *edaphic* **algae** of the Galapagos [Chlamydomonas, Oscillatoria]. 025821
Transformation of clay minerals under saline and **alkali** *soil* conditions. 030322
Possibilities of reclamation of saline and **alkali** *soils* of arid salines of Saurashtra. 030591
One example of the comparative development of the clone of Populus euramericana I-214 on the **alluvial** *soil* of the Vardar in the valley of Skopje. 025247
The effect of the age of the leaf on the accumulation of certain plastic substances, pigments and essential oils in geranium [Pelargonium] grown on **alluvial** *soils* of the Colchis lowland. 026837
Correlation studies between different forms of phosphorus in **alluvial** *soils* of districts Deoria and Gorakhpur in Uttar Pradesh. 030221
Material for agrochemical characteristics of **alluvial** *soils* of the Colchis lowland. 030374
Micromorphological, mineralogical and chemical characteristics of some **Alpine** *soils* and their genetic implications. 030194
Influence of sowing dates, *soil* **amendments,** and cultivars on wheat spindle streak mosaic in winter wheat. 028231
Effect of some *soil* **amendments** on plant growth, survival and yield of dry beans (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379
Study on mineral accumulation at the main vegetable production area *[Soil* **analysis].** 030334

Use of safflower seedlings for the detection and isolation of Phytophthora cactorum from *soil* and its **application** to population studies. 028064
Quantitative estimation of edaphic Testacea per *soil* **area** unit. 030187
Seasonal and vertical distribution of a population of *soil* **arthropods:** Cryptostigmata. 030274
Some properties of the aggregations of *soil* **arthropods:** Cryptostigmata. 030275
The preparation of **artificial** *soils* based on peat materials for [horticultural plant] growing under glass and plastics. 027644
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic **ash** *soil* of the Tokachi region under two moisture levels. 028430
Relationships between the inorganic colloid and the parent material of some volcanic **ash** *soils* in Miyagi and Iwate prefectures, Japan. 030353
Relationships between particle size and mineral composition of volcanic **ashes** *[Soils].* 030376
Radiation studies on Azotobacter chroococcum *[soil* **bacteria].** III. Photoreactivation and mutagenicity. 030392
Radiation studies on Azotobacter chroococcum *[soil* **bacteria].** IV. Effect of a temporary block of DNA replication on excision repair. 030393
An enrichment technique for auxotrophs of Agrobacterium tumefaciens *[Soil* **bacterium]** using a combination of carbenicillin and lysozyme. 030230
Mineralogy of a few **basaltic** *soils* of Madhya Pradesh. 030315
Effect of submergence [of the *soil]* on **bearing** capacity. 030354
Quantitative characteristics of moisture contents of *soils* of the **Belorussian** Polesye. 030381
Organic and inorganic P [phosphorus] content, movement and mineralization of P in *soil* **beneath** a feedlot [Cattle, manure, disposal]. 030823
Correlation of specific surface area of *soils* according to the **BET** theory with cation exchange capacity, water content at the suction of 15 atmosphere pressure. 030378
Problems of the **biological** *soil* disinfection [Gaeumannomyces graminis]. 027979
Elements of *soil* **biology:** Let us preserve it if we with to survive with it. 030175
Mineralogical composition of some red and **black** *soils* of India. 030312
Soybean root anatomy as influenced by *soil* **bulk** density. 025936
Ion exchange removal of carbonates from saline **calcareous** *soils* prior to determination of cation-exchange capacity using 89Sr++ [strontium ions]. 030341
The effect of mulching of humus **calcareous** *soils* on the yield of mandarin oranges. 030618
Burning of *soil,* **called** Guie, in Ethiopia and its influence on soil and plants. 030587
Genesis and distribution of clay minerals in **catenary** *soils* of Chatisgarh basin of Madhya Pradesh. 030309
Fixation of boron in relation to **certain** *soil* properties. 030242
Effect of sulphur and phosphorus application on *soil* **characteristics,** nutrient uptake and yield of wheat crop. 026980
Parameters **characterizing** *soil* in the traction equations [Tractors]. 030336
Effects of fertilizer, barnyard manure, and crop residues on irrigated crop yields and *soil* **chemical** properties. 030437
Physical investigations of the plow pan of a degraded **Chernozem** *soil.* 030258
The influence of glucose on simazine decomposition [by Penicillium **citrinum** in *soil].* 030171
Study of electrical drainage as applied to **clay** *soil* in a land creep zone. 030667
Tile and surface drainage of **clay** *soils.* II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
Pear tree response to drip irrigation on Carney **clay** *soil,* second season 1974. 030730
Determination of the coating and cementing agents on some *soil* **clays** of Mysore. 030306
Mineralogical composition of *soil* **clays** of desert soils of Hanumangarh (Rajasthan). 030313
Study of electrochemical and physicochemical properties of clay minerals and their mixtures and of some *soil* **clays** to characterise their clay mineralogy. 030320
Study of *soil* **clays** from different sources of alluvial parent materials under varying rainfall conditions. 030321
Zinc sorption on *soil* **clays.** 030325
Microvariations in *soil* **climate** under two kinds of forest cover. 030195
Residual activity of atrazine, alachlor and linuron under different *soil* and **climatic** conditions. 029158
Soil and **climatic** characteristics of the Armavir wind corridor [Erosion]. 030619
Yield potential of soybean as related to *soil* **compaction** induced by farm traffic. 030178
The influence of *soil* **composition** on the vegetation of the Coolac Serpentinite Belt in New South Wales [Casuarina stricta, Ricinocarpos bowmanii, Xanthorrhoea australis]. 030251
Bentonite as a *soil* **conditioner.** 030364
Shredded tree bark as a *soil* **conditioner** in potato soils of New Brunswick, Canada. 030532
Use of *soil* **conditioners** around the world. 030372
Adhesion and adsorption phenomena in *soil* **conditioning.** 030363
The effect on the yields of barley and kale of *soil* **conditions** induced by cultivation at high moisture content. 027422
Nitrogen fertilization of sugarbeet with regard to *soil* **conditions** and prognosis of fertilizer requirement. 030580
Soil **conservation:** national problem [Argentina]. 030584
Careers in *Soil* **Conservation** Service. 030595
What audit means to the Kentucky State Conservationist, *Soil* **Conservation** Service. 030602
Determination of orthophosphate in *soil* **containing** excess pyrophosphate. 030202
Soil **cooling** for Freesia's. 027628
An inventory of extractable boron in the profiles of *soils* used for **corn** production in Michigan. 030331
Plant-available calcium, magnesium and sulfur levels in *soils* used for **corn** production in Michigan. 030332
Prediction of ion-exchange equilibria in aqueous systems with more than two **counter-ions** *[Soils].* 030343
Soil [invertebrates] fauna of orchards and vineyards in relation to *soil* **cover.** 030228
Evaluation of soil map details by using the structural parameters of the *soil* **cover.** 030288
Mineralogical and geochemical properties of the *soil* **cover** in the area of copper deposits of the southern Urals. 030290
Effectiveness of *soil-protective* **crop** rotations for erosion control in the forest-steppe zone of the Ukrainian SSR. 030600
Orientation of clay particles as it relates to **crusting** of *soil.* 030342
Distribution of nitrogen forms in virgin and **cultivated** *soils.* 030528
Soil **cultivation** and water supply in relation to bitter pit [in apples, excessive potassium, calcium deficiency]. 028308
Soil **cultivation:** new implements and new and old problems. 030588
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a *soil* **culture** [of microorganisms; phytotoxicity assay with wheat seedlings]. 028536
Lake and *soil* **culture** [Natural resources, pollution]. 030958
Distribution of viruses of the fall webworm [Hyphantria **cunea**] in *soil.* 028652
Influence of temperature on the kinetics of rice straw **decomposition** in *soils.* 030340
Micronutrient research in *soils* and **[deficiency** symptoms in] plants in India: a review. 030466
Effects of form and amounts of nitrogen and magnesium fertilisers on the yield and on the inorganic and organic composition of Italian ryegrass [Lolium multiflorum] grown on magnesium **deficient** *soil.* 030484
Organic acids in *soil* during **degradation** of organic residues. 030318
Evaluation of *soil* **deposition** and removal processes [in dairy industry]: an interpretive review. 022592
On dynamic shear moduli and Poisson's ratios of *soil* **deposits.** 030358
Soils **derived** from volcanic ash in Central America. 2. Soils more developed than Andepts. 030345
Using dimensionless prediction terms to **describe** *in-soil* tracked vehicle performance. 030152
The mycoflora of sandy **desert** *soils* covered by Bromus tectorum, Carex physodes and Haloxylon persicum in the Repetek Reservation. 025747
Mineralogical composition of soil clays of **desert** *soils* of Hanumangarh (Rajasthan). 030313
Soils **determine** drainage procedures. 030691
Soils derived from volcanic ash in Central America. 2. *Soils* more **developed** than Andepts. 030345
Some genetic characteristics of the freely **drained** *soils* of the Ettrick Association in east Scotland. 030206
Physical properties of **drought-hazard** *soils* in central Minnesota. 030263
Raphidioptera larvae as *soil* **dwellers** (Insecta, Neuropteroidea) (with descriptions of larvae of Ornatoraphidia, Parvoraphidia and Superboraphidia). 029510
The effect of ecological factors on the vertical distribution of micromycetes [including plant pathogenic fungi] in *soils* of **East** Georgia [USSR]. 025746
Do you fertilize the Camellia plant, the *soil* or your **ego?** 030417
A contribution to lead studies in *soils* and the **enviornment.** I. Lead environmental pollution. 030898
Resuspension and redistribution of plutonium in *soils* **[Environmental** contamination]. 030903
System of mixing tree species in reforestation of ravine-gully lands *[Soil* **erosion** control]. 025215
Soil **erosion** and conservation: pampean semiarid region [Argentina]. 030585
Results of using preparations of series K for control of *soil* **erosion** from irrigation. 030601
Effect of flow rate and canopy on rill *[soil]* **erosion.** 030620
Experimental studies of *soil* **erosion** in Daisen laom by surface water flow. 030624
Effect of *soil* **erosion** from basins on the sediment transport regime in rivers. 030628
Note on the shrinkage characteristics as an index for structural **evaluation** of *soils.* 030224
Development of complex mechanization of forest regeneration in the zone of **excess** *soil* moisture. 030082
New method of tillage of **fallow** *soil* planted to spring wheat [Soil management, wheat yields]. 030629
Pseudopodzolization and its diagnosis by the composition and distribution of free forms of iron (as exemplified by the *soils* of the **Far-Eastern** Primorye). 030291
Decomposition of organic materials and *soil* **fauna** in pasture. 2. Disappearance of cow dung. 030271
Red **ferruginous** *soils* of Midnapur uplands of West Bengal. 030218
Effect of weathering and parent materials on clay mineralisation: red **ferruginous** *soils* of humid tropics. 030308
Changes in *soil* **fertility** under intensive rice cropping with improved varieties [Fertilizers]. 030527
Increase of *soil* **fertilizity** with green manures [Field crops]. 030548
Heptachlor and dieldrin [insecticides] disappearance from a **field** *soil* measured by annual residue determinations. 029109
Studies on off-the-road locomotion. Estimation of vertical stresses in the layer of paddy **field** *soil.* 030174
Simple designs of gas sampling in **field** *soils* and measuring contents of carbon dioxide and oxygen. 030227
Occurrence and phenomenon of natural and **fire-induced** *soil* water repellency. 030367
The effect of root and foliar nutrition on the growth, development and yield of mandarin orange fruits *[Soil* and **foliardressing** with fertilizers]. 030539
Effects of zinc-smelter emissions on **forest** *soil* microflora. 028344
Ecological distribution of micro-fungi in **forest** *soils* of Japan. 030212
Applicability of some methods for determination of available phosphorus in **forest** *soils.* 030217
Shearing resistance, internal friction and coherence of light-grey and cinnamon-grey **forest** *soils.* 030293
The effect of forms of nitrogenous fertilizers on agrochemical properties of brown **forest** *soils* and the yield of tea leaves. 030535
The effects of soil treatments on **forest** *soil* properties in northern Finland. 030586
Mineralogical distribution and *soil* **formation** of Hissar-II Block, Haryana. 030314
Influence of refuse gas **formation** on *soils.* 030352
Clay minerals of *soil* **forming** rocks of the central Russian Plain. 030285
Dilatancy of **frozen** *soil* and development of a strain theory or creep. 030208
Residual effect of *soil* **fumigation** with vine burning on control of Verticillium [albo-atrum] wilt of potato. 028060
Isolation and haploidization of heterozygous diploid strains in a species of Humicola *[Soil* **fungi].** 026201
Distribution of *soil* **fungi.** 030211
Soil **fungistasis:** elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic volatiles in soils. 030192
Wire gauze size and the efficiency of Berlese-Tullgren **funnels** *[Soils].* 030278
Reactions of water-soluble fertilizer phosphates with different *soils* in the **German** Democratic Republic. 030181
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in *soil,* **grape** vines and grape products, toxicity, etc.). 028087
Nutrient supply of Zurich **grape** *soils* [Fertilization]. 030521
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and tomato production in a sandy loam **greenhouse** *soil.* 028345
Reclamative properties and classification of **gypsiferous** *soils.* 030292
Erosion losses from **Hawaii** *soils* under simulated rainfall. 030604
Analytical examinations of *soils* and **hays** from Viu Valley (Lanzo Valley, Torino Province) [Composition]. 030180
Heating *soils,* soil mixes, and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
Contributions to the study of improving fertility of **heavy** *soils* in the Bulgarian People's Republic. 030625
Persistence and movement of simazine **[herbicide]** in *soil.* 029140
Shoot zone uptake of *soil-applied* **herbicides** in some legume species [Broadbeans, scarlet runner beans, vetch]. 028603
Phosphorus in green **house** *soils.* 030441
Biological cycle of chemical elements in Central Taiga fir forests [Forest litter, *soil* **humus].** 030284
The response of swede [rutabaga] varieties and their hybrids to *soil* pH **[hydrogen-ion** concentration]. 027423
Response of weeds to *soil* pH **[hydrogen-ion** concentration]. 028621
On the amino acid composition in *soil* **hydrolysates.** I. Amino acid compositions in acid hydrolysates of soil types and horizons of their soil profiles. 030185
Studies on *soil* **improvement** materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and compost of bark on citrus trees. 030433
Heterocephalum aurantiacum: its occurrence in **Indian** *soil* and its cellulolytic activity. 025802
A review of work on potentiometric titration of south **Indian** *soils.* 030296
Clay mineralogy of some **Indian** *soils* in relation to mineralogy of the sand and silt fractions. 030301
Water-salt regime of *soils* of the **Inguletskii** irrigation system. 030748
Lubrication of *soil-metal* **interfaces** [Equipment]. 029980
The Montana Automated Data Processing System for *soil* **inventories.** 030333
Soil **[invertebrates]** fauna of orchards and vineyards in relation to soil cover. 030228
Effect of the sequence of addition of potassium and ammonium and preadsorbed cations on fixation of applied ammonium **ions** in *soils.* 030239
Management for the control of salts in **irrigated** *soils.* 030582
Use of saline water for **irrigated** *soils* in arid & semi-arid zones of Rajasthan. 030660

Using the coefficient of extinction in determining quality and quality of humus compounds by spectrophotometry in *soils* under **irrigation** for a long time. 030384
Distribution of amino acid and carbohydrate components in fulvic acid [from **Italian** *soils]* fractionated on polyamide. 030193
Physicochemical and mineralogical characteristics of the *soils* of **Kolleru** lake, Krishna district, Andhra Pradesh. 030226
Microbiological and fermentative activity of Gley-Podzol and **Krasnozem** *soils* under various moisture content. 030375
The effect of fertilizers on the activity of invertase in **Krasnozem** *soils.* 030536
Clay mineralogy of alluvial, red and **lateritic** *soil* profiles from West Bengal. 030302
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and **late-summer** *soil* application [Residues, chemical control, carrot insect pests]. 028886
Comparison of different *soil* **leaching** techniques with four herbicides. 028608
Some properties of a **Lehm-Staugley** *soil* as influenced by increasing levels of slurry application. 030183
Soils of **light** mechanical composition and cultivated pastures. 030382
Theoretical premises for repeated **liming** of *soils.* 030565
Control of potato cyst-nematodes, Heterodera rostochiensis and Heterodera pallida, in sandy, peaty and silt **loam** *soils* by oximecarbamate and organophosphate nematicides. 028327
Influence of zinc on symbiotic nitrogen fixation by soybean (Glycine max Linn.) in silt **loam** *soil.* 030222
Unsaturated conductivity of a well structured **loam** *soil.* 030247
Effect of nitrogen fertilizers on yield of winter crops grown in soddy-podzolic **loamy** *soils* of the Belorussian Polesye. 030558
Influence of lime and phosphorus buildup on moisture retention characteristics of Hebbal Red **loamy** *soils.* 030592
Models of land and water allocation to improve environment and water quality through *soil* **loss** controls. 030792
Studies on the phosphorus fixing capacity of **major** *soil* series of Thanjavur district. 030246
The effect of orchard factors on the chemical composition of apples. IV. Some effects of *soil* **management** and NPK [nitrogen, phosphorus, potassium] fertilizers. 030481
Provide stable fissures *[Soil* **management**]. 030596
New method of tillage of fallow soil planted to spring wheat *[Soil* **management,** wheat yields]. 030629
The effect of steam sterilisation of *soil* on the **manganese** uptake by glasshouse crops. 027637
Effect of Zn, [zinc] Fe [iron] and moisture on the availability of Zn, Fe annd Mn [**manganese**] in *soil.* 030240
Successions of microorganisms and invertebrata and their connections with biochemical processes during decomposition of **manure** in *soil.* 030277
Evaluation of *soil* **map** details by using the structural parameters of the soil cover. 030288
An irreplaceable ratio: fertility to organic **matter** *[Soils].* 030335
Content of copper in *soils* and **meadow** plants in some regions of southern Poland. 030170
Rates and ratios of mineral fertilizers on **meadow** *soils.* 030491
Certain peculiarities of growing geranium [Pelargonium] on **meadow** *soils* of the Gissar Valley in relation to the utilization of nitrogenous fertilizers. 030534
On slip surface and slope stability analysis *[Soil* **mechanics**]. 030359
Problems of *soil* **mechanics** and construction on structurally unstable and weak soils. 030589
Microbial **metabolism** in *soil.* 030215
Transport mechanism in *soil.* **Metabolism** and movement of insecticides from soils into water and crop plants. 030330
Microbial ecology and erosion: domestication of *soil* **microbes** and erosion of the Plata River basin. 030583
Model tests on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of *soil* **microorganisms** on the surface of natural rubber vulcanizates. 022479
Infrared color photomicrography of *soil* **microorganisms.** 030189
The organic matter status of some **mineral** *soils* in New Zealand. 030326
Application of physicochemical methods to the quantitative evaluation of clay **minerals** in *soils.* 030298
Crop equivalent rating guide for *soils* of **Minnesota** [Yields, maize, wheat, alfalfa, Poa]. 027450
Overhead irrigation on **minor** *soils.* 030680
Nitrification of [anaerobically digested] sewage sludge [in *soil]* using **miscible** displacement and perfusion techniques. 030822
Heating soils, *soil* **mixes,** and soil substitutes with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
Temperature distributions [in air-dry and **moist** *soil]* under stones submitted to a diurnal heat wave. 030346
Root systems of some species of annual cereal grains from Turkmenistan [in relation to *soil* **moisture**]. 026616
Phosphorus uptake by soybeans as influenced by *[soil]* **moisture** stress in the fertilized zone. 026891
The influence of temperature and *soil* **moisture** on the incidence of Erwinia carotovora var. carotovora in forced Dutch irises. 028124
Studies on the influence of *soil* **moisture** conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
The effect of *soil* **moisture** on the uptake of herbicide by gorse [Ulex europaeus]. 028573
Influence of *soil* **moisture** on tolerance of corn to cyanazine [Herbicides]. 028619
Relations between *soil* **moisture** content and crop yield on a Tonschwarzerde soil in the central part of the Thuringian Basin. 030182
Nature and geographic distribution of clay minerals in *soils* of different **moisture** regimes in Punjab, Harayana and Himachal Pradesh. 030316
Balance of *soil* **moisture** in grain-sugarbeet crop rotation. 030383
Snow management on the Canadian prairies [as an additional source of *soil* **moisture**]. 030706
Effect of liman irrigation [snowmelt runoff] on *soil* **moisture** content and productivity of rangelands. 030761
Napropamide adsorption, desorption, and **movement** in *soils.* 028620
The occurrence of Fusarium oxysporum in *soils,* and on **Narcissus** and tulip [Basal rot]. 027883
Perforation and lysis of fungal spores in **natural** *soils* [Cochlioobolus sativus, cereals, root-rot]. 027976
Influence of biological activity in the *soil* by **natural** and municipal gas. 030391
[Scandium] distribution in **nature** [Includes *soils].* 030216
Phosphorus management of our *soils.* **Need** for a more rational approach. 030244
Soils of the **New** Hebrides islands. 030279
An equation to predict the leaching of surface-applied **nitrate** *[Soils].* 030229
Absorption of fertilizer and *soil* **nitrogen** by rice plants under the various cultural conditions of different paddy fields. II. Relationships between transplanting time and absorption of nitrogen by rice plants. 027054
Effect of freezing and thawing on the conversion of *soil* **nitrogen.** 030287
Relative mineralization rates of indigenous and recently incorporated 15N [nitrogen isotope]-labeled **nitrogen** [in *soils].* 030529
Encystment and germination in Azotobacter vinelandii [a **nitrogen-fixing** *soil* bacteria]. 030329
Adsorption and bonding energy indexes for phosphorus in four *soils* of **northeast** Thailand. 030201
Certain physical properties of the *soils* of the **northeastern** regions of West Georgia [USSR]. 030373
The use of a dependent domain model of hysteresis in **numerical** *soil* water studies. 030388
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected **orchard** *soils.* 028445
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of **orchard** *soil* on growth of an upland crop. 028446
Application of thermometric titrations to the study of *soil* **organic** matter. I. Simple polyelectrolytes. 030204
Application of thermometric titrations to the study of *soil* **organic** matter. II. Humic acids. 030205
Studies on the clay mineralogy of **Orissa** *soils.* 030319
Microbial asymmetric decomposition of **2-oxo-4-methyl-6-ureidohexahydropyrimidine** in *soil.* 030214
Distribution of iron in **paddy** *soils* of eastern Uttar Pradesh. 030237
Potassium in **paddy** *soils* of eastern Uttar Pradesh. 030245
Utilization and maintenance of the natural fertility of **paddy** *soils* [Plant residues, green manures]. 030446
Effects of three forest species on **pasture** *soil* fertility in Vicosa, Minas Gerais [Joannesia princeps, Zeyheria tuberculosa, Pinus elliottii, Melinis minutiflora, reclamation]. 025013
A new method for quantitative direct observation of sporangia of Phytophthora cactorum (Leb. et Cohn) Schroet, [Plant **pathogens**] in the *soil.* 028104
Periods for urea application to the *soils* of **peach** orchards. 030525
Investigation of trace elements uptake by plants on **peat** *soils* at Keszthely. IV. [Field crops]. 026886
Copper deficiency in Pinus radiata in a **peat** *soil* nursery. 028396
Study of the nature of filtration flow instability in **peat** *soils.* 030294
Effect of manganese and sulphur fertilization on growth and yield of onions grown on alkaline low moor **peat** *soil.* 030395
On fertilizing forage beets during the first years of development of **peat** *soils* in the western Ukrainian Polesye. 030562
Subsidence of **peat** *soils* under hydraulic fills [Drainage]. 030690
Effect of liming **peat-bog** *soils* on change in their agrochemical indices and crop yields. 030557
Effect of potassium fertilizers on the intensity of microbiological processes and fertility of lowland-type **peat-bog** *soils.* 030626
Effect of organic matter application and water regimes on the transformation of fertilizer nitrogen in a **Philippine** *soil.* 030530
Interrelationship among available zinc, copper and **phosphorus** in *soil.* 030243
Desert termite [Gnathamitermes tubiformans] control in a shortgrass prairie: effect on *soil* **physical** properties. 028727
Investigations on the effects of stubble and catch crop treatments on **physical** *soil* properties and yields in a sugarbeet rotation on a Pseudogley-Parabrown soil. 030257
Effect of *soil* **placement** and shoot uptake of prometryne and terbutryne on peas. 028600
Stormflows and erosion after tree-length skidding on Coastal **Plain** *soils* [Logging equipment]. 025527
Lead-210 [isotope] assay in *soil* and **plant** material using Cerenkov radiation [Pollution]. 030821
Factors that affect the persistence of pesticides in **plants** and *soils.* 029169
Manganese resources in *soils* and **plants** of the Altai Territory. 030379
Burning of soil, called Guie, in Ethiopia and its influence on *soil* and **plants.** 030587
The effect of various methods of trimming on the yield of tea-bush plantations of different age on **podzolic** *soils.* 027864
Dynamics and composition of alkali hydrolyzable nitrogen in **polzol** *soils* of the Kola Peninsula. 030286
Shredded tree bark as a soil conditioner in **potato** *soils* of New Brunswick, Canada. 030532
Cutting and cropping in artificial media [Horticultural plants, **potting** *soil* substitutes]. 027596
Newton's cooling coefficients of Uttar **Pradesh** *soil* clays in water media. 030317
Research on crumblers for **presowing** *soil* tillage [Equipment, disks]. 030135
Measurement of resistance of *soil* to **pressure.** 030173
Alteration of *soil-forming* **process** in Solonchak-like Solonetz soils from artificial disturbance of their profiles. 030283
Influence of clay on *soil* **processes.** 030311
On the amino acid composition in soil hydrolysates. I. Amino acid compositions in acid hydrolysates of soil types and horizons of their *soil* **profiles.** 030185
Test levels in *soil* **profiles** of Michigan corn fields. 030518
Studies on a climosequence of soils in tussock grasslands. 4. Respiratory activities and their relationships with temperature, moisture, and *soil* **properties.** 030268
Take notice of *soil* **properties** when applying liquid manures [Forage plants, yields]. 030425
Investigations on the effects of stubble and catch crop treatments on physical soil properties and yields in a sugarbeet rotation on a **Pseudogley-Parabrown** *soil.* 030257
Phytosociological changes in permanent grasslands on **pumice** *soils* caused by molybdenum application. 025861
Classification and distribution of the *soils* of **Punjab.** 030300
Distribution of various forms of phosphorus in northwest **Rajasthan** *soils.* 030235
Lateral behavior of a double sheet pile wall structure *[Soil* **reaction**]. 030357
Alterations in the *soil* **reclamation** status of lands due to irrigation from an earth-channel irrigation network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the Golodnaya Steppe). 030622
Undergrowth vegetation effects on the nutrient content of litterfall and *soils* in **red** pine [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897
Natural mulch or chemical conditioner for **reducing** *soil* erosion in humid tropical areas. 030616
Infiltration, evaporation, and water movement as related to water **repellency** *[Soils].* 030366
Bioassay techniques for the determination of herbicide **residues** [in *soil].* 029156
Soil **residues** of picloram applied aerially to New Zealand brushweeds [Ulex europaeus, Leptospermum scoparium]. 029159
Microflora of *soils* and **rhizosphere** of plant-dominants referring to the particular plant associations of the Meshed-Messerian plain. 025909
Persistence of gamma-BHC [lindane] and beta-BHC [benzene hexachloride] in Indian **rice** *soils* under flooded conditions. 028770
Microbial degradation of synthetic organic pesticides in **rice** *soils.* 029102
Estimation of critical limit for zinc in **rice** *soils.* 030203
Studies on the influence of a long term lime fertilization on the humus composition and carbohydrate content of **rice** *soils.* 030531
Effect on plant growth and nutrient uptake of a saturated gypsum solution given to a *soil* **rich** in Ca [calcium]. 030438
A comparative study of structure of *soils* of **Rohtak** under different cultural practices. 030219
Effect of **rotary** *soil* tillage on agrophysical soil properties and crop yields [Sugarbeets, wheat]. 030599
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in calcareous **saline** *soil* suspensions. 030348
Effect of **saline-sodic** *soil* on some quantitative characters of different genotypes in Indian mustard Brassica juncea L Czern & Coss. 026180
The response of cell sap concentration and water content in cotton leaves to different combinations of *soil* **salinity** and nitrogen levels. 027062
Soil **salinization** in the Murgab Oasis. 030254
Dependence of the quality of muscadine and red grape varieties and wines on the content of sodium **salts** in the *soil.* 022988
Examination of power machines of high output, which are applicable for large-scale vine plantations on **sandy** *soil.* 030098
Main component method and its use in *soil* **science.** 030289
In recognition of Marion L. Jackson on the occasion of his sixty-first birthday, November 30, 1975 *[Soil* **scientists**]. 030339

Academician of the Academy of Sciences, Belorussian SSR, Pavel Prakopavich Rahavoi—on the occasion of his 80th anniversary *[Soil* **scientists,** agricultural chemists]. 030380
Influence of surface treatment of **selected** *subsoil* materials on infiltration and erosion. 030615
A comparative study of clay mineralogy of **semi-arid** *soils* of Western Uttar Pradesh and Eastern Rajasthan. 030295
Plant, *soil* and **shadow** reflectance components of row crops [Corn, cotton, sorghum, remote sensing]. 027465
Enumeration, concentration, and separation of microbial cells from natural habitats *[Soils,* **silt,** water and other natural habitats]. 030907
Salt status of some *soils* of the **Slave** River Lowlands in Canada's Northwest Territories. 030197
Significance of trace metals and nitrates in **sludge** *soils.* 030253
The effect of the structure of crop rotation on the composition of humus and nitrogen in **soddy-podzolic** *soil.* 027564
Potential application of polyvinyl acetate and polyvinyl alcohol in the structural improvement of **sodic** *soils.* 030369
Alteration of soil-forming process in Solonchak-like **Solonetz** *soils* from artificial disturbance of their profiles. 030283
Reclamation of **Solonetz** *soils* affecting the A- and B-horizons. 030623
Study of [seed] mixtures for hydrosowing [Perennial grassesand legumes, *soil* **stabilization** on slopes]. 030609
Soil **stabilizers** to control wind erosion. 030617
Fruit culture in the **stony** *soils* of Yucatan. 027796
[Using] alfalfa for the improvement of **stony** *soils.* 030256
The influence of agrochemical compounds and water supply on the breakdown of [wheat] **straw** in *soil.* 030390
Scanning electron microscope (SEM) observations of *soil* **structure** changes induced by sodium-calcium exchange in relation to hydraulic conductivity. 030344
Organic matter contribution to stability of *soil* **structure.** 030368
Soil-moisture **studies** in fallow-barley rotation under mulches, antitranspirant and type of seed bed. 027425
Corn yield and nutrient uptake as affected by water-table depth and *soil* **submergence.** 026889
Heating soils, soil mixes, and *soil* **substitutes** with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
Research pertaining to determination of ATP [adenosine triphosphate] in *soils* and **subsurface** formations. 030859
Arthrobacter globiformis: a **successful** *soil* bacterium. 030209
The sensitivity of two arable lands to compaction; a contribution to the behavior of soils under a vertical load in a range of *soil* **suction** up to pF 2.7. 030260
Sclerotinia sclerotiorum: viability and separation of sclerotia from *soil* **[Sunflowers].** 028061
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the **surface** *soil* and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the *soil* **surface** in the field] at different relative humidities [Crop residues]. 030176
Electrical potentials during water entry into an air-dry mixture of sand and kaolinite *[Soil-particle* **surfaces].** 030338
The use of nonionic **surfactants** on *soils.* 030533
Nitrogen fractions in earthworm casts and in the **surrounding** *soil.* 030272
The application of regional geochemical reconnaissance data in areas of arable cropping *[Soil* **survey].** 030252
Soil **surveys** for town & country. 030169
Fungistatic action of *soil* and **survival** of the conidium of Helminthosporium sativum Pamm., King et Bakke [Crown and root rot of cereals]. 028011
Tensiometer measurements in anisotropically loaded **swelling** *soils.* 030347
Causes of calcinosis in cattle kept in the *soil-fertilizer-pland-animal* **system** [Poisonous plants, Trisetum flavescens]. 024942
The photoelastic model for *soil-machine* **system** with the aid of gelatin. 030119
Ameliorating doses of fly ash in the *soil-plant* **system.** 030613
Yield response to soil warming: agronomic crops *[Soil* **temperature** for optimum growth, utilization of energy production waste waters]. 026895
Soil **temperature** and soil aeration effects on concentrations and total amounts of nutrients in 'Yecora' wheat grain. 027047
Yield response to soil warming: vegetable crops *[Soil* **temperature** for optimum growth, utilization of energy production waste waters]. 027106
Seasonal vertical movement of wireworm larvae in Missouri: influence of *soil* **temperature** on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711
Soil **temperature** of Oregon's agricultural regions. 030362
Possible involvement of growth substances in the response of tomato plants (Lycopersicon esculentum Mill.) to different *soil* **temperatures.** 027201
Quantitative estimation of *edaphic* **Testacea** per soil area unit. 030187
Fertilising standards for potting composts based on the 1 : 1 1/2 volume extraction method of *soil* **testing.** 030397
Evaluation of *soil* **tests** for phosphorus and potassium. 030241
Effect of CaCO3 [calcium carbonate] and iron on the availability of iron in a light **textured** *soil.* 030238
Calcium-ammonium exchange equilibria in **three** *soil* clays of Mysore State. 030299
A rotary implement attached to MF-70 motorobot [for *soil* **tillage** in breeding nurseries]. 026249
Relations between soil moisture content and crop yield on a **Tonschwarzerde** *soil* in the central part of the Thuringian Basin. 030182
Erosion reduction factors for chemically **treated** *soils:* a laboratory experiment. 030614
Verification of a laboratory instrument for determination of relations of relative abrasive resistance in conditions of *soil* **treatment.** 030172
Use of climatic data in design of *soils* **treatment** systems [Land-based wastewater management]. 030943
Soil **treatments** for control of rootknot nematode (Meloidogyne incognita) in greenhouse grown cucumber. 028366
The effects of *soil* **treatments** on forest soil properties in northern Finland. 030586
Studies of a climosequence of *soils* in **tussock** grasslands. 3. Nitrogen mineralisation and protease activity. 030267
Studies on a climosequence of *soils* in **tussock** grasslands. 4. Respiratory activities and their relationships with temperature, moisture, and soil properties. 030268
Primary shoot production of blue grama [Bouteloua gracilis]grassland in south-central New Mexico under **two** *soil* nitrogen levels. 027525
Effect of **two** *soil* types on insecticide activity against black beetle [Heteronychus arator] adults [Maize]. 028779
Preliminary observations on the colonisation by the microorganisms and the microarthropods, of the fresh litter in **two** *soils* of a beech forest (Retz forest). 030273
Influence of *soil* **type** on the nitrogen and phosphorus content of [Pinus] radiata pine litter. 030264
Thrust-dynamic weight relationship of rigid wheels [on different *soil* **types** with different compaction treatments]. 029981
On the amino acid composition in soil hydrolysates. I. Amino acid compositions in acid hydrolysates of *soil* **types** and horizons of their soil profiles. 030185
Microbial associations of *soil* **types.** 030261
Dynamic shear strength properties of **unsaturated** *soils.* 030377
Inorganic phosphorus fractions of **upland** *soils* of Thailand. 030328
Using p-dimethylaminobenzaldehyde for extraction and colorimetric determination of **urea** in *soil.* 030184
Distribution of different forms of iron in *soils* of **Uttar** Pradesh. 030236
Problems of reclaiming the complex of *soil* **variants.** 030627
Influnece of **varied** *soil* cultivation and sowing speeds on yields of agricultural crops [Cereals, culture, mechanization]. 027530
Lead in *soil* and **vegetation** along a New Zealand state highway with low traffic volume. 030869
Effect of bitumen emulsion and polyacrylamide on some physical properties of **Venezuelan** *soils.* 030365
The sensitivity of two arable lands to compaction; a contribution to the behavior of *soils* under a **vertical** load in a range of soil suction up to pF 2.7. 030260
Minimum cultivation of *soil* from the **viewpoint** of crop rotation productivity and economics [Sugarbeet culture]. 027547
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic **volatiles** in *soils.* 030192
Development of ligneous weeds on **volcanic** *soils* in pure stands and those mixed with Graminease [Chile]. 025856
Yield response [of field crops and vegetables] to *soil* **warming:** economic feasibility [of utilizing energy production waste waters]. 021363
Yield response to *soil* **warming:** agronomic crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 026895
Yield response to *soil* **warming:** vegetable crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 027106
A microscopic-scale model of *soil* **water** uptake and salt movement to plant roots. 026832
Investigations on the importance of the root systems of cultivated plants. I. The influence of the *soil* **water** content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Distribution of salts in the root zone *[Soil* **water].** 030232
Validity of *soil* **water** evaporatin versus square root of time relation. 030248
Transport mechanism in soil. Metabolism and movement of insecticides from *soils* into **water** and crop plants. 030330
The hysteresis in the relationship between hydraulic conductivity and *soil* **water** content. 030349
Measurement of hydraulic conductivity and diffusivity for predicting the process of *soil* **water** infiltration from a trickle source. 030386
When *soil* **water** matters [Water resources]. 030635
Snow trapping and crop management with tall wheatgrass barriers in Montana *[Soil* **water** supplies]. 030710
A comparative study on characters of heavy metallic ion-tolerant microorganisms *[Soil* and **water** pollution]. 030904
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, *soil,* **water,** and urine of sheep and cattle. 030940
Problems of soil mechanics and construction on structurally unstable and **weak** *soils.* 030589
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the *sub-soil* of the **well-drained** volcanic ash soil of the Tokachi region under two moisture levels. 028430
X-ray investigation of clay minerals in the *soils* of **West** Bengal. 030324
Seedbeds and aggregate stability improved by rototilling **wet** *soil.* 030370
Transmission of Histomonas meleagridis to domestic fowl by means of earthworms recovered from pheasant **yard** *soil.* 024452
The mass diffusion of three organophosphate insecticides into a range of New **Zealand** *soils.* 029160
Hydrogeothermal methods of studying the percolation properties of *soils* of the **zone** of aeration. 030385

SOLANUM

A new fruit rot of **brinjal** *(Solanum* melongena L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. 027942
Nightshade *[Solanum]* **control** in crops. 028526
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), **eggplant** *(Solanum* melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
Andesgenin, a new steroid sapogenin from *Solanum* **hypomalacophyllum.** 026720
Chemical weed control in *Solanum* **laciniatum.** 028549
Calcium kinetics in the *Solanum* **malacoxylon-treated** rat. 022134
The structures of some stress metabolites from *Solanum* **melongena** [Eggplants]. 027156
Glycosidic alkaloids of *Solanum* **persicum.** 026479
An antibacterial compound from *Solanum* **phureja** and its rolein resistance to bacterial wilt [Pseudomonas solanacearum]. 028146
The variation and evolution of selected species of *Solanum* **section** Basarthrum [New taxa]. 025638
The structures of some stress metabolites from **Solanum** *melongena* [Eggplants]. 027156
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant **(Solanum** *melongena* L.) and sweet-pepper (Capsicum annuum L.). 027598
A new fruit rot of brinjal **(Solanum** *melongena* L.) caused by Corynespora cassicola (Berk. and Curt.) Wei. 027942
The protein, non-protein and total nitrogen in *Solanum* **tuberosum,** ssp. andigena potatoes. 022878
Alkaloids of *Solanum* **tuberosum** [Potaotes]. 027158
Lack of potato virus S transmission via true seed in *Solanum* **tuberosum.** 028261
Intracellular localization and some properties of two aldehyde oxidase isoenzymes (EC 1.2.3.1) in potato **tubers** *(Solanum* tuberosum). 027128

SOLAR

How our main [field] crops use *solar* **energy.** 027058
Potential for conversion and utilization of *solar* **energy** in poultry production [Housing]. 029969
Reducing [agriculture's] fuel costs with *solar* **energy.** 029976
Solar **energy** reduces costs of drying and curing crops. 029977
Productivity of vegetable crops in a region of **high** *solar* input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124
Solar **radiation** at Geneva, New York—variations in intensity and duration 1964-1973. 021140
A **simple** *solar* wax extractor [Apicultural equipment]. 029764
Solar **timing** for pot watering [Greenhouse equipment]. 030022

SOLENOPSIS

Major and trace element analysis in red imported fire ant *[Solenopsis* **invicta]** queens by ion induced X-ray fluorescence. 029357
Xanthene dye-sensitized photooxidation in the black imported fire ant, *Solenopsis* **richteri.** 028646
Preliminary investigation on the effects of mirex and its derivatives on adenosine triphosphatase activities from fire ants *[Solenopsis* **richteri].** 029021

SOLID

Kinetic studies of the tryptophan triplet state in *solid* **film** and in wool keratin. 022697
An analysis of the generation of **household** *solid* wastes from consumption [Pollution]. 030957
Solid-state **light-intensity** controller [for incandescent lamps] for [entomological and] biological research. 029241
Hygienic aspects of liquid and *solid* **manures** [Livestock disease control]. 030808
Enzyme use to reduce viscosity and increase recovery of **soluble** *solids* from citrus pulp-washing operations [Oranges]. 022932
Determination of hull percentage of rapeseed by germinating it on a *solid* **substrate.** 022830
Studies on the determination of the *solid* **volume** of a pulpwood pile. Crooked broadleaved pulpwood, large-sozed pulpwood and coniferous [Beutla] pulpwood of approximate length. 025293

Solid **waste** management methods and costs in independent retail food stores. 030928
Manufacture of thicker and more *solid* **welded** seams in fluid packaging [Packaging material for dairy products]. 022603

SOLONCHAK
Alteration of soil-forming process in *Solonchak-like* **Solonetz** soils from artificial disturbance of their profiles. 030283

SOLONETZ
Reclamation of *Solonetz* **soils** affecting the A- and B-horizons. 030623
Alteration of soil-forming process in **Solonchak-like** *Solonetz* soils from artificial disturbance of their profiles. 030283

SOLUBILITY
Apparent *solubility* and alkali degradation patterns of rice varieties. 022780
Effects of roasting temperatures and gamma irradiation on the content of chlorogenic acid, caffeic acid and *soluble* **carbohydrates** of coffee. 022480
Studies on the solubilization of keratin. VI. The *solubilization* of **[chicken]** feather keratin by oxidation with performic acid. 022731
Nucleosides and nucleotides of the **cold** *acid-soluble* portion of the blood of steers. 023456
Reconstitution of pig lymphocyte plasma membranes from *solubilized* **components,** with particular reference to membrane-associated immunoglobulins. 023285
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in **copper** *solubility* resulting from amelioration of orchard soil on growth of an upland crop. 028446
Studies on toxic factor in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by **feeding** *soluble* extracts [Bulls, sheep]. 025004
Reactions of *water-soluble* **fertilizer** phosphates with different soils in the German Democratic Republic. 030181
Metabolic behaviour of *water-soluble* **fluorescent** whitening agents in the rat and bean plant. 023389
Properties of a free and *solubilized* **form** of bound-alpha,alpha-trehalase purified from honeybee [Apis mellifera] thorax. 029778
Red light effect on asp-U-14C [carbon isotope] incorporation in the *soluble* **fraction** of Zea mays L. 027065
The relationship of *acid-soluble* **glycogen** to yeast [Saccharomyces carlsbergensis]. 026460
Nutritional and chemical changes in heated casein. III. A comparison of the *alkali-soluble* and **insoluble** fractions. 022596
Studies on the *solubilization* of **keratin.** VI. The solubilization of [chicken] feather keratin by oxidation with performic acid. 022731
Arrangement of the subunits in *solubilized* and **membrane-bound** cytochrome c oxidase from bovine heart. 023477
Permanent preparations of sweetwater algae. VI. Enclosure in *water-soluble* **mounting** media (sealing varnish). 025560
The influence of 3-amino-1,2,4-triazole (amitrole) on the *acid-soluble* **nucleotides** and some other phosphorus compounds in oat seedlings. 026909
Human pesticide poisonings by a *fat-soluble* **organophosphate** insecticide. 029081
Soluble **protein** concentrate [food supplement] from alfalfa by low-temperature acid precipitation. 022775
Properties of protein isolates prepared from ground seeds. I. Development and evaluation of a dye binding procedure for the measurement of **protein** *solubility* [Kidney beans, rape, sesame, cotton, cowpeas]. 022787
Investigations on changes in *soluble* **protein** content and activity of proteases and acid phosphatases in needles of Norway spruce (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. I. *Soluble* **proteins.** 026932
Study of proteins of resistant wheat, Kharkov and sensitivewheat, Selkirk, during cold hardening. II. *Soluble* **proteins** and proteins of chloroplasts and membranes. 026933
Enzyme use to reduce viscosity and increase recovery of *soluble* **solids** from citrus pulp-washing operations [Oranges]. 022932
Effect of *water-soluble* **substances** of hydrolyzed lignin on the properties of the pressed products. 025307
Studies on *fat-soluble* **substances** of laver (Susabinori, Porphyra yezoensis) [Algae]. I. Identification of sulfolipid. 026353
An apparent relationship of *soluble* **sugars** with hardiness in winter wheat varieties. 026925
An apparent relationship of *soluble* **sugars** with hardiness in winter wheat varieties. 026926
Soluble and **wall-bound** glycoproteins of apple fruit tissue. 027251
Biosynthesis of some **water** *soluble* vitamins during germination of Dolichos lablab (bitter variety). 027184

SOLUTION
Study on pigments of Acalypha leaves: influence of water content in **acetone** *solutions* on anthocyanins and chlorophylls. 026705
Solution of **anticorrosive** protection of inner walls of fecal tanks. 029896
The kinetics of the reaction between sulfide and sulfite in **aqueous** *solution.* 025495
On the viscous properties of **aqueous** *solutions* of arabogalactan in Larix sibirica. 027321
Evolution of chlorinated phenols from concentrated **boron** *solutions* containing these phenols added as their sodium salts [Wood preservation]. 025465
Use of expanded color scales to predict chemical and visual changes in *solutions* **[Cranberry** juice]. 022939
Solution of **differential** equation of humidity transfer [in cereals] on an analogue computer. 026880
E.P.R. [Electron paramagnetic resonance] spectra of iron-sulphur proteins in **dimethylsulphoxide** *solutions:* evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Disinfection, an **efficient** *solution* to avoid disease and contaminations on [livestock] farms. 024699
Activation of [horse] liver alcohol dehydrogenases by imidoesters **generated** in *solution.* 023295
Conditions for induced fusion of fungal protoplasts in polyethylene **glycol** *solutions* [Penicillium chrysogenum]. 026376
Effect on plant growth and nutrient uptake of a saturated **gypsum** *solution* given to a soil rich in Ca [calcium]. 030438
Problem: how to update a sanitation program; *Solution:* a **home** study course. 022337
Negative inotropic influence of **hyperosmotic** *solutions* on cardiac muscle [Cats]. 023223
A **joint** *solution* of problems of complex mechanization of forestry operations [Council for Mutual Economic Assistance]. 025462
Two phases of chorda-lingual induced vasodilatation in the cat's submandibular gland during prolonged perfusion with **Locke** *solution.* 023557
Present *solutions* for housing dairy cattle. 029952
Rational treatment of dehydration in calves, galenical preparation and clinical experimentation of new perfusable **rehydrating** *solutions.* 024893
A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca [calcium]- and Mg [magnesium]- free **salt** *solution.* 023383
Problem: how to generate student enthusiasm; *solution:* **spiders,** gondolas & spray paint. 022240
Statical *solution* on the cable crane [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the track cable. 025421
Attempts at treatment of metritis in the mare by chloramine T *solution.* 2. **Streptococcal** metritis. 024702
Photoproduction of ions from chlorophyll a in *solution* **studied** by flash photolysis and photoconductivity [Spinach]. 027220
On the *solvation* of **sulfate** lignin in some organic solvents. 025407
Technical *solutions* for processing straw and other dry fodders into pelleted, partially finished feeds. 023009
Modified flotation method of determining alcohol in **water** *solutions* containing admixtures [Wood hydrolysis]. 025316
Periodical extraction of furfurol with trichloroethylene from **water** *solutions* [Wood hydrolisis]. 025318

SOLVENT
Stabilization of the globular structure of ferricytochrome c by chloride in **acidic** *solvents* [Horse heart cytochrome]. 023303
The "Direx-40" process for **direct** *solvent* extraction of seeds with a high oil content without pre-pressing, i.e. without using expellers. 022819
Identification of vinyl chloride in polyvinyl chloride and simulated **food** *solvents.* 021836
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, **food-stimulating** *solvents,* and other samples [Food packaging material]. 021913
Rapid determination of fat in meat and meat products by **Foss-let** *solvent* extraction and density measurement. 022673
Studies on protein in royal jelly [of Apis mellifera]. I. *Solvent* **fractionation** of protein and amino acid composition of each fraction. 029775
Studies on the bonding states of the chlorophylls in freezedried [wheat] chloroplast **lamellae** by use of various *solvents.* 027004
Determining polyester in cotton/polyester blends with **monoethanolamine** *solvent.* 022840
Gas chromatographic-mass spectrometric studies of ethoxyquin [an antioxidant used in feeds] in some **organic** *solvents.* I. 023041
On the solvation of sulfate lignin in some **organic** *solvents.* 025407
Absolute dormancy of pollen induced by soaking in **organic** *solvents* [Chrysanthemum pacificum, Lilium longiflorum]. 027282
Molecular mobility and structure of elastin deduced from the *solvent* and **temperature** dependence of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. 023301

SOMATIC
Arabidopsis thaliana as a model system in *somatic* **cell** genetics. I. Cell and tissue culture. 026795
Cytological effects of fungicides, plantvax and vitavax on *somatic* **cells** of Allium cepa [Onions]. 027945
Plant tissue culture methods in *somatic* **hybridization** by protoplast fusion and transformation. 026074
Q-, C-, and G-banding patterns in the germ-line and *somatic* **shromosomes** of Miastor sp. (Diptera: Cecidomyidae). 029301
Somatic **variation** in Cajanus cajan [Pigeonpeas]. 026134

SONCHUS
Sonchus **[oleraceus]** yellow vein virus, a new virus disease of sowthistle. 028233

SOPHORA
Studies on ketene and its derivatives. LXXV. Reaction of diketene with N-benzylacetimidate and lactim ethers to give 1,6-naphthyridine derivatives *[Sophora* **alopecuroides].** 026515
Studies on lupin alkaloids. VI. Isolation and structure of (+)-isomatrine *[Sophora* **flavescens].** 026516
Alkaloids from *Sophora* **secundiflora.** 026714

SORBIC
Attempt at collaboration of a microbiological method for research on antimicrobial substances in foods. Application to benzoic and *sorbic* **acids.** 021964

SORBITOL
Production of threitol and *sorbitol* by an **adult** insect [Upis ceramboides]: association with freezing tolerance. 029460

SORGHUM
Distribution of nitrogen in different plant parts of *sorghum* and **amino** acid composition of its grain as affected by foliar application of urea. 030468
Double cropping and fertility levels under irrigation in eastern New Mexico *[Sorghum,* **barley].** 027496
Promotion of *sorghum* **callus** growth by the s-triazine herbicides. 027028
Sorghum **diseases** in the United States and their control. 028315
The use of **forage** *sorghum.* V. NO3-N content in the green-chopped forage sorghum, its feeding to the dairy cows and nitrate poisoning [Cattle]. 023057
Enzyme inhibition by polyphenols of *sorghum* **grain** and malt. 022508
Preliminary study on using IS 8719 *sorghum* **grain** in broiler rations. 023842
Digestibility of **grain** *sorghum* stover and wheat straw supplemented with NPN [non-protein nitrogen, cattle]. 023857
Yield and quality of corn and **grain** *sorghum* grain and residues as influenced by N [nitrogen] fertilization. 027360
Grain *sorghum* performance tests in Texas, 1974 [Yields]. 027458
Noncompetitive effects of common milkweed, Asclepias syriaca L., [weeds] on germination and growth of **grain** *sorghum.* 028491
Control of insect pests [Spodoptera ornithogalli, Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling **grain** *sorghum.* 028742
Use of no tillage in double-cropping wheat with soybeans or **grain** *sorghum.* 030603
Preventing greenbug [Schizaphis graminum] outbreaks [on small **grains** and *sorghum].* 028769
Incidence of paedogenesis in the greenbug [Schizaphis **graminum,** *sorghum].* 028732
Sorghum **growth** as affected by annual applications of atrazine [Herbicides]. 028622
Drechslera sorghicola on *sorghum* in **Queensland.** 027868
Plant, soil and shadow reflectance components of row crops [Corn, cotton, *sorghum,* **remote** sensing]. 027465
Studies on the biology of *sorghum* **shoot** flies, Atherigona spp. (Muscidae: Diptera), and shoot fly-sorghum host plant relationships. 028799
Sugarcane mosaic **virus** in *sorghum.* 028165
The most **widespread** *sorghum* varieties [in Guinea]. 027516

SOROSPORIUM
Agrotechniques in controlling loose smut of maize *[Sorosporium* **reilianum].** 028102

SORT
Automated line for *sorting* **logs** by diameter. 025436
Optimizing the *sorting* of **logs** on semi-automatic lines. 025449
Multi-channel *sorting* of timber [Data processing]. 025444
Sorting out **producers'** problems [Swine farm management]. 021312

SOUND
On the nature of the *sounds* **produced** within the nest of the wasp Paravespula germanica F. 029380
Sound **production** by nearctic wolf spiders [Lycosa and Schizocosa]: a substratum-coupled stridulatory mechanism. 029490
Small-log sawmill systems in Western Canada: headrig downtime, rough, green lumber yield from *sound,* **straight** logs, log throughput, volume productivity analysis procedure. 025540
Amino acid content and digestible energy value of sprouted, rust-affected and *sound* **wheat** in pig diets. 023015

SOURSOP
The *soursop* **(Annona** muricata L.) [Culture]. 027833

SOW *see* SWINE

SOWING

The experimentation to stabilize the **appropriate** *sowing* density of Alnus barbata in nursery. 025240
The effect of **cotton** *sowing* policy on the dynamics of harmful and useful Arthropoda populations. 028745
Influence of *sowing* **dates,** soil amendments, and cultivars on wheat spindle streak mosaic in winter wheat. 028231
Container production of cashew seedling rootstocks—seed germination in beds as an alternative to **direct** *sowing.* 027595
Onion *sowing* depth and herbicides. 028560
Determination of the **optimum** *sowing* date for eggplant and sweet pepper grown in the Sudan for export. 027597
The methodology of determining the *sowing* **quality** of pelleted seeds [of vegetables]. 021970
Maize culture: **spaced** *sowing.* 027503
Influnece of varied soil cultivation and *sowing* **speeds** on yields of agricultural crops [Cereals, culture, mechanization]. 027530
Successful *sowing* of seeded grasslands. 027371
Research on the possibility of **sugarbeet** *sowing* with the pneumatic single seed planter. 030127
Improvement of **surface** *sowing* in grassland establishment. V. Making pelleted seeds with pelleter and its effects on early growth of pasture species. 027463
Growth habit of wheat and its related species in relation to *sowing* **time.** 026911
Effect of *sowing* **time** on the growth and yield of Malachra capitata L. 027759

SOWTHISTLE

Sonchus [oleraceus] yellow vein virus, a new virus **disease** of *sowthistle.* 028233

SOYBEANS

Biosynthesis of leaf alcohol: kinetic study of lipoxygenase activation process caused by hydroperoxylinoleic **acid** *[Soybeans].* 026883
Influence of concanavalin A, wheat germ agglutinin, and *soybean* **agglutinin** on the fusion of myoblasts in vitro. 026977
Storage becomes a marketing **alternative.** IV. *[Soybeans].* 021639
Suppression of Mexican bean beetle [Epilachna varivestis] on *soybeans* with **annual** inoculative releases of Pediobius foveolatus. 028738
The application of plant pathological techniques in plant quarantine pathology *[Soybeans,* **asparagus,** sugarcane]. 028310
The development of ruminant digestion in the calf. I. The digestion of barley and *soya* **bean** meal. 023697
Artificial dissemination and epizootic initiation of Nomuraea rileyi, and entomogenous fungus of Lepidopterous pests of *soybeans* **[Biological** control]. 028747
Dough conditioners for 12% *soy-fortified* **bread** mixes. 022782
Response of *soybean* **cultivars** to meloidogyne incognita and to the combined effects of Meloidogyne arenaria and Sclerotium rolfsii [Nematodes]. 028419
Differential intraspecific responses of *soybean* **cultivars** to bentazon [Herbicides]. 028614
Technology of *soybean* **cultivation** for grain [Yields]. 027577
A discussion on the possibilities of *soybean* **culture** in the Federal Republic of Germany. 027443
Amino acid transport systems of **cultured** *soybean* root cells. 026924
Studies on the influence of soil moisture conditions on *soybean* **cyst** nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Defending *soybeans* [against insects and diseases], naturally [Biological control]. 028700
Effect of pyridoxal phosphate and cysteine on delta-aminolaevulinate synthetase and **dehydratase** in *soya.* 027007
Extruded *soybeans* for growing-finishing swine. 023892
Use of full **fat** *soybean* in broiler and pullet developer diets. 023845
Use of *soybeans* in the **feed** rations of lactating cows. 023943
Comparative efficiency of different commercial inoculants of Rhizobium japonicum on **field-grown** *soybeans* [Nodule bacteria]. 030220
Southern corn rootworm [Diabrotica undecimpunctata howardi]eggs in *soybean* **fields.** 028741
Influence of *[soy,* **fish,** yeast] protein supplements on growth of Staphylococcus aureus and production of enterotoxins. 021926
Information from the cultivation of Czechoslovak and **foreign** *soybean* varieties. 027541
Forrest *soybean* [Varieties]. 027441
The effect of zinc and phytic acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by resting mycelia of aspergillus parasiticus **[Fungi,** *soybeans].* 021983
Competition or additional effects of nitrogen nutrition by nonsymbiotic and symbiotic means in *soybean* **(Glycine** max L. merr). 026915
Effect of seed-placed fertilizer on the emergence (germination) of *soybeans* **(Glycine** max L.) and snapbeans (Phaseolus vulgaris L.). 026942
Influence of zinc on symbiotic nitrogen fixation by *soybean* **(Glycine** max Linn.) in silt loam soil. 030222
Anthracnose [Colletortichum **glycines]** of *soybeans.* 028002
Use of no tillage in double-cropping wheat with *soybeans* or **grain** sorghum. 030603
Advice for the *soybean* **grower** [Culture]. 027361
SOYMOD I: A dynamic simulator of *soybean* **growth** and development [Computer simulation model]. 027055
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and *soybean* **growth** in the surface soil and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Nodulation responses from nitrogen [fertilizer] applied to *soybean* **half-root** systems. 030415
Factors affecting the selectivity of dinitramine **[herbicide]** in *soybeans.* 028494
Isolation of nucleoli and localization of ribonnucleic acid polymerase I from *soybean* **hypocotyl.** 026043
Association of phytochrome with rough-surfaced endoplasmic reticulum fractions from *soybean* **hypocotyls.** 027017
Phosphorus uptake by *soybeans* as **influenced** by [soil] moisture stress in the fertilized zone. 026891
Microbes from *soybeans.* **Inhibition** of growth by lipoxygenase isoenzyme. 022848
Association of sclerotial blight [Sclerotium rolfsii] with Spissistilus festinus girdling **injury** on *soybean.* 028724
Riceland Foods: innovative cooperative in the **internationalmarket** *[Soybeans].* 021099
The utilization by preruminant lambs of milk replacers containing **isolated** *soya* bean protein. 023699
The utilization by preruminant lambs of **isolated** *soya* bean protein in low protein milk replacers. 023700
Resistance in Glycine max *[soybean]* to **isolates** of bean yellow mosaic virus in New York State. 028268
Circular dichroism studies of myoglobin and **leghemoglobin** *[Soybeans].* 026910
Conversion of linoleic acid hydroperoxide by *soybean* **lipoxygenase** in the presence of guaiacol: identification of the reaction products. 026989
Microwave and conventional cooking in relation to quality and nutritive value of beef and *beef-soy* **loaves.** 022232
Soybean **looper** [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL [black light] traps. 028753
Mildew [Peronospora trifoliorum **manshurica]** of *soybeans.* 028003
U.S. *Soybean,* **meal** exports to stage comeback in 1976. 021567
The replacement of some of the *soybean* **meal** by the first-limiting amino acids in practical broiler diets. 3. Effects of protein concentrations and amino acid supplementations in broiler finisher diets on fat deposition in the carcass. 023715
Level of lysine in *corn-soybean* **meal** growing-finishing [swine] rations. 023894
Degradation of raffinose and stachyose in *soybean* **milk** by alpha-galactosidase from Mortierella vinacea. Entrapment of alpha-galactosidase within polyacrylamide gel. 022781
New *soybean* varieties analyzed for the state. 027504
Compatibility of Rhizobium japonicum with chemical seed protectants [Fungicides, *soybeans,* **nodulation].** 026888
Response of nodulating and **non-nodulating** *soybean* isolines to applied nitrogen. 030420
Radio gas chromatographic analysis of volatile aldehydes originating from *soybean* and **oat** lipoxygenase linoleic acid oxidation. 022850
Effect of [harvest moisture content and] heated air drying on *soybean* **oil** quality. 022845
Factors increasing the vitamin E activity of plant lipids *[Soybean* **oil** hydrogenation]. 022846
Effects of *soybean* **oil** meal as the whole source of protein on rate of gain and feed efficiency of growing and finishing pigs. 023836
Nomuraea rileyi [Fungi] attacking the velvetbean caterpillar, Anticarsia gemmatalis [pest of *soybeans]* in **Parana,** Brazil [Natural control]. 028740
Field experiments with magnesium in Alabama—cotton, corn, *soybeans,* **peanuts.** 030431
A comparison of predation by the pentatomids, Podisus maculiventris (Say) and Stiretrus anchorago (F.), on the Mexican bean beetle, Epilachna varivestis Mulsant **[pest** of *soybeans].* 028705
L-lysine and DL-methionine supplements in *barley-soy* **pig** diets. 023864
Soybean **plant** response to the attack of Oberea brevis Swed. (Coleoptera, Cerambycidae). 028798
They've come a long way *[Soybeans,* **prices].** 021640
Soy **products** in chocolate and cocoa: their use as a complement or partner of milk protein. 022765
Extrusion of *soy* **protein** and texture measurement. 022847
On the complex formation of proteins with copper ions under acidic conditions *[Soy* **protein].** 022849
A new electrophoresis method and its application for revealing the heterogeneity of the chromatographically homogeneous fractions of *soybean* **proteins.** 022841
Yield potential of *soybean* as **related** to soil compaction induced by farm traffic. 030178
Soybean **response** to stand reduction and defoliation [Hail damage, plant recovery]. 028319
Soybean **root** anatomy as influenced by soil bulk density. 025936
Resistance of *soybeans* to **root** rots and wilting [Fusarium, Verticillium, Sclerotinia]. 028118
Chemical control of *soybean* **rust** [Phakopsora pachyrhizi]. 028081
Study on host reaction of some selected varieties of *soybean* **rust** [Phakopsora pachyrhizi]. 028086
Partial purification and some properties of dihydrofolate reductase from *soybean* **seedlings.** 026968
Partial purification and some properties of dihydrofolate reductase from *soybean* **seedlings.** 026969
Mechanical inhibition of hypocotyl elongation induces radial enlargement [in *soybean* **seedlings];** implications for cytokinin action. 027024
Movement of methyl 2-benzimidazolecarbamate into *soybean* **seeds** after foliar application of Benomyl [Systemic fungicides, Penicillium expansum]. 028056
Weed control suggestions for *soybeans* in 1976. 028539
Effect of sodium alkalis and salts on pH [hydrogen-ion concentration] and flavor of **soymilk** *[Soybeans].* 022783
Illinois process for preparation of **soymilk** *[Soybeans].* 022784
Effect of altered pO2 [oxygen 1 percentage] in the aerial part of *soybean* on **symbiotic** N2 [nitrogen] fixation. 027019
Texturized *soy* and bacterial decontaminants in processed meats. 021961
Response of **two** *soya* bean cultivars to manganese toxicity as affected by pH [hydrogen-ion concentration] and calcium levels. 028333
Patterns of nitrogen **utilization** in the *soybean.* 027036
Changes in trypsin inhibitory activity in *soybean* **varieties** during maturation and germination. 021921
Factors affecting the molecular structure and the agglutinating ability of concanavalin A and other lectins [Kidney beans, **wheat,** *soybeans].* 026954
Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and *soybean* **yields** (1962-72). 030717

SPACING

Effect of nitrogen **application** *spacing* and planting method on two varieties of sunflower. 027474
Spacing **contra** quality of the sawn timber from Scots pine [Pinus sylvestris]. 025500
Spatial **distribution** of phytophagous beetles in southeastern Karakum. 029603
Spacing **experiments** on bulbs: principles and practice [Planting densities]. 027629
Triallate **granule** *spacing* effect on oat. 028623
The concept of *spatial* **leadership** in farm animals: an experiment with sheep. 023236
A unique project [of a Greek architect, C. A. Doxiadis] for the *spatial* **management** of our planet. 030825
A *spatial* **model** for analysis of the Canadian livestock-feedand livestock product sectors [Policy changes]. 021700
Effects of *spacing* and **nitrogen** level on growth and yield of pimento [Capsicum annum]. 027716
Ecological aspects of [animals, insects] *spatial* **orientation.** 029232
Carrot seed production. I. Effects of **plant** *spacing* on yields per plant and per hectare. 027661
Effects of **plant** *spacing* on performance of the strawberry cultivar Bounty. 027724
Spatial **preference** in the domestic hen [Housing]. 023100
Spatial **price** differentials for corn. 021638
Field trials on Dwarf Cavendish bananas in southern Malawi. I. *Spacing* and **pruning.** 027601
Nitrogen fertilization of maize in relation to *spacing* of **raws.** 030436
Accuracy of **seed** *spacing* in peanut planting [Equipment]. 030142
Maize culture: *spaced* **sowing.** 027503
The role of *spatial* **structure** of a light field in the formation of spring wheat crop [for the reproduction of breeding material]. 026277
National parks in the *spatial* **system** of protection of the nature of the Tatry, Pieniny and Babia Gora mountains [Poland, Czechoslovakia]. 030829
Spacing of **undergrowth** as an indicator of potential success of forest regeneration in cutover areas. 025214
Schemes of **watermelon** *spacing* in Golodnaya Step. 027788

SPAN

Yield and morphological response of rape (Brassica campestris L. cv. *Span)* to **irrigation** and fertilizer treatments. 027385

SPARTINA

Proximate nutritive value changes during decomposition of salt marsh plants *[Spartina* **cynosuroides,** Distichlis spicata, Scirpus americanus]. 022104

SPASTIC

The economic aspect of *spastic* **paresis** of the hind legs of Friesian cattle. 024917

SPECIALIZATION

Specialization and **concentration** in the poultry industry of Belorussia. 021815
Distribution, *specialization* and **concentration** of vegetable production in the open. 021816
Specialization and **concentration** of production in forestry operations of Volynia. 025127
On the problem of concentration and *specialization* in **horticulture.** 021818

Specialization: when, where, **how** [Veterinary medicine]. 024358
The implications of *specialization* in **medicine** [Includes veterinary medicine]. 024359
Specialization and **progressive** technology, the basis for high profitability of pork production [Swine farms]. 021349
Effects of concentration and *specialization* on the **spread** of plant diseases. 028449
Specialization in **veterinary** medicine: viewpoint of a general practitioner. 024357
Specialization of **veterinary** service in the Tachov district. 024386

SPECIMEN

Australian *specimens* of common wheat [Variety testing in USSR]. 027506
On separating **Ohio** *specimens* of Lindernia dubia and Lindernia anagallidea (Scrophulariaceae). 025674
Effect of cation saturation and air-drying of samples on the diffractogram obtained from **parallel-oriented** *specimen* [Clay minerals]. 030307
The behaviour of aphids [Aphididae] as influenced by different plant species and their chemical treatment, related to the percentage of **piercing** *specimens* and to the short-term probes. 028638
Specimens of **spring** wheat [varieties] resistant to races of stem and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. 026261

SPECTROMETRY

Determination of iron in cheese whey by atomic **absorption** *spectrometry*. 022562
Gas **chromatographic-mass** *spectrometric* studies of ethoxyquin [an antioxidant used in feeds] in some organic solvents. I. 023041
Examination of acetolysis products of phosphatidylcholine by gas **chromatography-mass** *spectrometry*. 022515
Mass-spectrometric **investigation** of the abienols—diterpene alcohols [Abies]. 027314
Mass *spectrometry* of flavonoids. 026576
Structural determination of C-glycosylflavones [in plant extracts] by **mass** *spectrometry* of their permethyl ethers. 026764
Rapid **scan** *spectrometry*. Application to biological phenomenon study. Case of structured environments [of interest to botany]. 025565
Mass-spectrometric **study** of the coumarins mogoltin, mogoltavin, and mogoltavinin [Peucedanum mogoltavicum]. 026489

SPECTROPHOTOMETRY

Spectrophotometric **assay** of salsolidine hydrochloride [Salsola richteri]. 026623
A *spectrophotometric* **assay** for trans-cinnamic acid 4-hydroxylase activity [Potatoes]. 027113
Analysis of artificial colouring matters in sausage and ham by paper **chromatography** and *spectrophotometry*. 022707
Measuring the concentration of spermatozoa from honey bees [Apis **mellifera]** with *spectrophotometry*. 029727
Spectrophotometric **method** of analyzing [Digitalis] cardenolides of the strophanthidin group with 2,2',4,4'-tetranitrobiphenyl. 026497
Collaborative study of a *spectrophotometric* **method** for determining maleic hydrazide residues in tobacco and vegetables. 029118
Spectrophotometric **methods** of determining the quality of tobacco raw material. 022835
A new **rapid** *spectrophotometric* determination of hop bitterness in beer and wort, including the EBU-determination. 022537
A **rapid** *spectrophotometric* method of determination of thiopropanal S-oxide (lachrymator) in onion (Allium cepa L.) and its significance in flavour studies. 022946
Using the coefficient of extinction in determining quality and quality of humus compounds by *spectrophotometry* in **soils** under irrigation for a long time. 030384

SPECTROSCOPY

Mass-spectroscopy of **aflatoxins** [Contaminants of food]. 021981
Study of orange essential oils. I. Analysis by **infrared** *spectroscopy*. 022881
Carbon-13 **nuclear-magnetic-resonance** *spectroscopy* of whole cells and of cytochrome c from Neurospora crassa grown with (S-Me13C [carbon isotope])methionine. 026398
Nuclear magnetic **resonance** *spectroscopic* determination of alpha- and beta-acid homolog composition in hops. 022483
Ultraviolet-visible and proton magnetic **resonance** *spectroscopy* of flavonoids. 026584

SPECTRUM

Action *spectra* of photosynthesis and hydrogen evolution by bacteria, algae, and higher plants. 026541
Enhancement of CO2 [carbon dioxide] gas exchange in the leaves of Convallaria majalis L., its **action** *spectrum* and light saturation. 027275
Specific photosynthesis of Chlorella [pyrenoidosa] in different regions of the *spectrum* **[Algae].** 026543
Spectral **analysis** in ecology [Plants, insects]. 025863
Excitation spectra for photosystem I and photosystem II in [spinach] chloroplasts and the *spectral* **characteristics** of the distribution of quanta between the two photosystems. 027136
The crystal and molecular structure and absolute configuration of ethyl chlorophyllide a dihydrate. A model for the different *spectral* **forms** of chlorophyll a [Ailanthus altissima]. 026620
Carbon-13 NMR [nuclear magnetic resonance] *spectra* of some **furanosesquiterpenes,** major components of Lindera strychnifolia. 026845
E.P.R. [Electron paramagnetic resonance] *spectra* of **iron-sulphur** proteins in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Indole-3-acetic acid: **Mass** *spectra* and chromatographic properties of amino acid conjugates [Plant growth regulators]. 026619
Effect of phospholipase A on *spectral* and **photochemical** properties of chloroplasts and their fragments [Peas]. 027131
Chloroplast fluorescence of C4 [carbon] plants. II. A photographic technique for obtaining relative fluorescence yields and *spectra* **photographicaliy** [Dichanthium annulatum]. 026802
Carbon-13 NMR [nuclear magnetic resonance] *spectra* of some **polycyclic** triterpenoids [Actea racemosa]. 026844
Spectral **radiant** power of lamps used in horticulture. 030148
Grassland vegetation analysis using remote sensing techniques. 3. *Spectral* **reflectance** of plants as a base of multispectral photo interpretation. 027491
Spectrum of **regulatory** activities of parasitic insects [Chalcididae, Ichneumonidae, Braconidae] of Gypsonoma aceriana Dup. [Poplar pests, natural control]. 028958
Spectral **specific** responses in the visual behavior of the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 029336

SPERM

The role of **Angiospermae** *sperm* cells of different quality for investigating the process of double fertilization. 026186
Studies on *sperm* **antigenicity.** IV. Lymphocyte cytotoxicity in cell-mediated response to homologous spermatozoa [Guinea pigs]. 024517
Fine structure of **boar** *sperm* abnormality: hairpin curved sperm. 024104
Why is deep freezing of **boar** *sperm* problematic? 024240
Degree of acrosomal destruction following deep freezing of **bull** *sperm* in liquid nitrogen. 024243
Fine structure of boar sperm abnormality: hairpin **curved** *sperm*. 024104
Anti-bacterial and *anti-sperm* **effect** of [bovine] seminal plasma. 024175
Codling moth [Laspeyresia pomonella]: effects of sterilizing and substerilizing levels of gamma irradiation to the *sperm* on F1 **egg** development [Apples, pest control]. 028865
An objective method for evaluating Angus and **Hereford** *sperm* motility [Beef cattle]. 024083
Synthesis and amino acid composition of basic proteins in **mammalian** *sperm* nuclei. 024064
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of *sperm* and on **mating** of the tobacco budworm[Heliothis virescens]. 028739
Gynaecomastia in a male goat. I. Sexual activity and *sperm* and **milk** quality. 024273
Effect of zinc level in rations on *sperm* **production** of bulls. 024263
Selection of cocks of [chicken] meat lines according to *sperm* **quality.** 024248
Reduced *sperm* motility in the isthmus of the rabbit oviduct. 024158
The role of **subsidiary** *sperm* cells in embryo sacs of Angiospermae for investigating the process of double fertilization. 026617
Physiological aspects of *sperm* **transport** in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. 024046

SPERMATOZOA

Effects of in-vitro treatment of **boar** *spermatozoa* with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of pig eggs. 024118
The absorption by **boar** *spermatozoa* of zinc bound to low molecular weight ligands. 024129
Enhanced respiration and reduction of tetracycline binding of boar and **bull** *spermatozoa* following incubation in the female genital tract. 024145
Livability of albino and normal **bull** *spermatozoa* at 5 degrees Centigrade in citrate, milk and tris yolk extenders. 024252
Stress on *spermiogenesis* of **bulls.** 024217
Effects of freezing processes of boar semen on motility of *spermatozoa* and **conception** rate. 024204
Ultrastructural aspects of *spermatogenesis* in **Cutleria** adspersa (Phaeophyceae, Cutleriales [Algae]) from the French Mediterranean coast. 025972
Spermatogenesis in **diploid** drones of the honeybee [Apis mellifera]. 029828
Morphology of the male sex organs, *spermatophore* **formation** and insemination in the clear-winged grasshopper, Camnula pellucida (Scudder). 029198
DNA content of spermatids and *spermatozoa* of **haploid** and diploid drone honeybees [Apis mellifera]. 029814
Studies on sperm antigenicity. IV. Lymphocyte cytotoxicity in cell-mediated response to **homologous** *spermatozoa* [Guinea pigs]. 024517
Measuring the concentration of *spermatozoa* from **honey** bees [Apis mellifera] with spectrophotometry. 029727
Morphological and chemical evolution of chromatin during *spermiogenesis* of the **locust** Locusta migratoria. 029434
A note on the formation of honeybee [Apis **mellifera]** *spermatozoa*. 029800
A scanning electron microscopic study of **rabbit** *spermatozoa* in the female reproductive tract following coitus. 024054
Studies on the distribution of antigenic sites on the surface of **rabbit** *spermatozoa*. 024098
Distribution of hyaluronidase in the **ram** *spermatozoon*. 024116
Freezing and fertilizing ability of *spermatozoa* **[Semen,** buffaloes]. 024073
Study on the freezability of *spermatozoa* **[semen]** in three genetic groups of crossbred bulls. 024074
DNA content of *spermatids* and **spermatozoa** of haploid and diploid drone honeybees [Apis mellifera]. 029814

SPHACELOTHECA

The influence of smut *[Sphacelotheca* **anayati]** on the productivity of Iseilema laxum Hack. 027949

SPHAERIACEAE

Oat yield losses from septoria leaf blotch *[Leptosphaeria* **avenaria]** at four locations in eastern Canada. 027931

SPHAEROTHECA

Tolerance of Botrytis cinerea and rose powdery mildew *[Sphaerotheca* **?pannosa].** 027934

SPHAGNUM

The demands set by programmed watering and feeding [of plants] on the growing medium [Peat, *Sphagnum* **moss].** 027636
The use of *Sphagnum* **peat** and brown coals for growing plantsin hydroponic containers. 027648

SPHECIDAE

Three new species of Lindenius and some others (Hymenoptera, *Sphecidae,* **Crabroninae).** 029550
The behaviour of some bembicine wasps [Xerostictia longilabris] of southern Arizona (Hymenoptera: *Sphecidae,* **Microbembex,** Glenostictia, Xerostictia). 029492
Territorial behaviour by males of Philanthus multimaculatus(Hymenoptera: *Sphecidae)* with a **review** of territoriality in male sphecids. 029211

SPHERE

Expenditures relating to land utilization in areas of tourist traffic—an examination of problematic expenditures relating to land utilization in *spheres* of different **functions** [Recreational use]. 021193

SPHEROPLASTS

Polybase induced lysis of **yeast** *spheroplasts*. A new gentle method for preparation of vacuoles [Candida utilis]. 026380

SPHINGOMYELIN

Effects of lipids on the stability of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, *sphingomyelin,* and **cholesterol** on the stability of isolated aortic and. 023403

SPICES

Spice and **herb** roulette (Game). 022243
The *spice* **industry** and its importance. 022426
Commercialization of irradiated potatoes, mushrooms, onions and *spices* in the **Netherlands.** 022906
Occurrence of volatile nitrosamines [known to be carcinogenic] in *spice* **premixes** [Meat products]. 022687

SPIDERS

Social communications among the *spiders,* **Agelena** consociataD. (Araneida, Labidognatha). 029275
A revision of the South **American** *spider* genus Trachelopachys (Araneae, Clubionidae) [New taxa]. 029531
Change of web site in **Argiope** *spiders* (Araneidae). 029204
The influence of hunting manner on prey size, particularly in *spiders* with long **attack** distances (Araneidae, Linyphiidae, and Salticidae). 029206
The role of the principal and accessory eyes in the photomenotactic orientation of the **funnel** *spider* Agelena labyrinthica (Cl.). 029513
Revision of the *spider* **genus** Apollophanes (Araneida: Thomisidae) [New taxa]. 029553
Problem: how to generate student enthusiasm; solution: *spiders,* **gondolas** & spray paint. 022240
Spiders of **Lebanon.** I. Note on Opopaea punctata (O. Pickard Cambridge, 1872) and other species of this genus (Araneae, Oonopidae). 029595
Fine structure of the clypeal gland of **male** *spiders* belonging to the genus Argyrodes [gibbosus] (Theridiidae). 029266
Lyriform slit sense organs, modelling an arthropod **mechanoreceptor** *[Spiders].* 029398
Stethorus as a predator of the *spider* **mite** [Tetranychidae, biological control]. 028694
Spider **mite** [Tetranychus cinnabarinus] webbing. II. The effect of webbing on egg hatchability. 029194
Amblyseius bibens (Acarina: Phytoseiidae), a predator of *spider* **mites** (Tetranychidae) in Madagascar [Biological control]. 028645

Two forms of cotton damage by *spider* **mites** [Tetranychus turkestani]. 028766
Responses of the **two-spotted** *spider* mite, Tetranychus urticae Koch., to light and gravity. 028677
Responses of the **two-spotted** *spider* mite, Tetranychus urticae Koch., to young and old leaves, upper and lower surfaces of leaf. 028678
Tetranychus urticae Koch. Study on resistance of beans to the **two-spotted** *spider* mite, Tetranychus urticae Koch. 028889
Scorpionflies as kleptoparasites of **web-building** *spiders*. 029461
Discrete and discontinuous action of brown **widow** *spider* [Latrodectus geometricus] venom on the presynaptic nerve terminals of frog muscle. 029435
The influence of burrowing and thermoregulatory behaviour on the water relations of Geolycosa godeffroyi (Araneae: Lycosidae), an Australian **wolf** *spider*. 029463
Sound production by nearctic **wolf** *spiders* [Lycosa and Schizocosa]: a substratum-coupled stridulatory mechanism. 029490

SPIKE

Episodic secretion of growth hormone in steers and bulls: an anaylsis of frequency and magnitude of **secretory** *spikes* occurring in a 24 hour period. 023630
The productivity coefficient of the spring **wheat** *spike* [Varieties]. 026273
Preliminary studies on the development of **young** *spikes* in the second crop of the double cropping rice. 027388

SPIN

The **cocoon** *spinning* behaviour of the Chinese oak silkworm, Antheraea pernyi. 029726
Turkey expanding, updating **cotton** *spinning* sector. 021726
Studies on the improvement of the floss silk and **hand** *spun* silk processing. 022533
Contribution to the study of the influence of turbine cleanliness on the properties of cotton **open-end** *spun* yarns. 2. 022769
Open-end *spun* yarns made from blends: their properties during bobbin formation [Polyester, cotton]. 022770

SPINACH

Excitation spectra for photosystem I and photosystem II in *[spinach]* **chloroplasts** and the spectral characteristics of the distribution of quanta between the two photosystems. 027136
Identification of the 120 mus phase in the decay of delayed fluorescence in *spinach* **chloroplasts** and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the thylakoids internal pH [hydrogen-ion concentration]. 027137
Reduction of oxygen by the electron transport chain of *[spinach]* **chloroplasts** during assimilation of carbon dioxide. 027140
Regulation of ferredoxin-catalyzed photosynthetic phosphorylations **[Chloroplasts,** *spinach].* 027281
Effect of oxygen on photosynthesis by *spinach* **leaf** protoplasts. 027269
The kinetics of incorporation in vivo of [14C][carbon isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, **peas,** *spinach].* 026905
Photoproduction of ions from chlorophyll a in solution studied by flash photolysis and **photoconductivity** *[Spinach].* 027220
Photophosphorylation and related properties of reaggregated vesicles from *spinach* **photosystem** I particles. 027138
Mechanism of KCN inhibition of **photosystem** I *[Spinach].* 027191
Molecular weight and amino acid composition of **purified** *spinach* beet phenolase. 027247
Conformational changes in **spinach** *(Spinacia* oleracea) leaves chloroplasts in vivo [when exposed to red or blue light]. 027093
Analysis of the *[spinach]* **thylakoid** outer surface. 026018
Ethylene and the degreening of plant **tissues** *[Spinach].* 027227
Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the water-splitting activity in photosynthesis *[Spinach,* **wheat].** 026406

SPINDLE

Spindle and **kinetochore** morphology of Dictyostelium discoideum [Fungi]. 026022
The effects of fusimotor stimulation during small amplitude stretching on the frequency-response of the primary ending of the mammalian **muscle** *spindle* [Cats]. 023554
Piperonyl butoxide, a potent inhibitor of **potato** *spindle* tuber viroid in Scopolia sinensis. 028228
Comparative studies of two viroids: analysis of **potato** *spindle* tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279
Fine structure dynamics of the **prometaphase** *spindle* [Haemanthus katherinae, Haemanthus albiflos]. 026031
Influence of sowing dates, soil amendments, and cultivars on **wheat** *spindle* streak mosaic in winter wheat. 028231
Wheat *spindle* streak mosaic virus in Kentucky. 028270

SPINE

Changes in **comb** *spine* number during larval development in Aedes aegypti (L.). 029035

SPIRAL

Selection for **minimizing** *spiral* grain in Larix leptolepis Gord. 025180

SPIROCERCA

A note on fibroma of esophagus associated with *Spirocerca* **lupi** in a dog. 024559

SPIRODELA

Kinetin effects on carotenoids and chlorophylls of *Spirodela* **polyrrhiza** (L.) Schleiden under light and darkness. 026701

SPIRULINA

Modification of the automated sequence determination as applied to the sequence determination of the [blue-green alga] *Spirulina* **maxima** ferredoxin. 026404

SPLEEN

Prostaglandin release from cat and **dog** *spleen.* 023328
Hydroxyurea synchronization of bovine **fetal** *spleen* cells. 023400
Dextranglucosidase activity of **porcine** *spleen* acid alpha-glucosidase. 023308
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and *spleen* in **relation** to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773

SPLITTING

Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the *water-splitting* **activity** in photosynthesis [Spinach, wheat]. 026406
Effect of method *[split* **application]** and levels of potassium on tuber efficiency and rate of bulking in potato varieties. 030452
Bark *split* disease of prune trees and its association with strains of apple chlorotic leaf spot [virus]. 028172
Primary structure of cytoplasmic aspartate-aminotransferase from porcine myocardium. Isolation, purification, and characterization of **peptides** *split* by cyanogen bromide. 023311

SPODOPTERA

The viability of the eggs of the African armyworm, *Spodoptera* **exempta** in laboratory cultures. 029337
Beet armyworm *[Spodoptera* **exiqua]:** dosage-mortality studieson California and Florida strains. 028662
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, *Spodoptera* **frugiperda,** Astrinia nubilalis, fungus disease vectors]. 028746
Effect of hydrogen-ion concentration on the activity of inclusion bodies of *Spodoptera* **litura** nuclear polyhedrosis virus [Insect pests, biological control]. 028643
Bioassay of nuclear polyhedrosis virus against larval stages of *Spodoptera* **litura** (Fabricius) and the effect of protectants against ultraviolet light. 028674
Dispersal of 32 P[phosphorus isotope]-treated larvae of *Spodoptera* **litura** and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the wind direction]. 028714
Control of insect pests *[Spodoptera* **ornithogalli,** Rhopalosiphum maidis, Elasmopalpus lignosellus, Frankliniella tritici] in seedling grain sorghum. 028742

SPONGOSPORA

Potato mop-top virus and its vector, [the powdery scab fungus] *Spongospora* **subterranea.** 027978

SPORES

The epidemiology of leaf spot disease in a native prairie. II. **Airborne** *spore* populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923
Death rates of **bacterial** *spores* [isolated from sugar-cane bagasse]: nonlinear survivor curves [Bacillus cereus]. 021863
Ultrastructure of the dormant Agaricus **bisporus** *spore* [Mushrooms]. 025994
Perforation and lysis of **fungal** *spores* in natural soils [Cochlioobolus sativus, cereals, root-rot]. 027976
Photocontrol of **fungal** *spore* germination [Puccinia graministritici, wheat stem rust]. 028077
Growth regulation by ethylene in fern gametophytes. IV. Involvement of photosynthesis in overcoming ethylene inhibition of *spore* **germination.** 026355
Spore **germination** of fungi. 026594
Inhibitory action of pisatin [a phytoalexin from peas] on *spore* **germination** of pathogenic fungi and inactivation of pisatin by the fungi [Fusarium solani, Cladosporium. 027888
Diaporthe phaseolorum var. Sojae (Lehman) Wehmeyer. Effect of some fungicides on *spore* **germination** of Diaporthe phaseolorum var. sojae (Lehman) Wehmeyer. 028084
Lipid metabolism during bacterial growth, sporulation, and germination: differential synthesis of individual branched and normal-chain fatty acids during *spore* **germination** and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for *spore* **germination** by fungistatic volatiles in soils. 030192
Studies on Kallymenia (Cryptonemiales, Kallymeniaceae). II. Development of *spores* and **morphogenesis** [Algae]. 026855
Study of *spores* of **operculate** Discomycetes [Fungi] under scanning electron microscope. I. Morchellaceae. 026046
Notes on the formation of *sporangia* in **Phytophthora** drechsleri tucker. 027871
A new method for quantitative direct observation of *sporangia* of **Phytophthora** cactorum (Leb. et Cohn) Schroet, [Plant pathogens] in the soil. 028104
Persistence of *spores* of **Pleistophora** schubergi (Cnidospora: Microsporida) in the field, and their application in microbial control [Anisota senatoria, Symmerista canicosta, Quercus pests]. 028948
Accelerated evaluation of the germinating power of the *spores* of **resin** fungi [Cronartium]. 028107
Production of **resting** *spores* of Entomophthora thaxteriana [Fungi, Biological control of pest insects]. 028667
On **resting** *spores* of insect-pathogenic Entomophthoraceae (Zygomycetes). I. Production of resting spores of Entomophthora thaxteriana (Petch) Hall et Bell. 028690
The *zoospore* of **Rozella** allomycis: ultrastructure. 025987
The *zoospore* of **Rozella** allomycis: ultrastructure. 025988
Surface-active *spore* slimes [Fungi]. 026450
Dispersal of Bacillus **thuringiensis** *spores* by nonsusceptible species of stored-grain beetles. 028975

SPOROCYTES

Membrane-bounded cisternae associated with the chromosomes at first meiotic metaphase in *microsporocytes* of **Rhoeo** spathacea. 026240

SPOROPHYTES

Sporophyte **development** of Funaria hygrometrica Sibth. [Musci]. I. Structural data of water and nutrient uptake in the haustorium. 026063

SOROTRICHUM

Extracellular enzyme system utilized by the **fungus** *Sporotrichum* pulverulentum (Chrysosporium lignorum) for the breakdown of cellulose: functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. 026550

SPOROZOA

Development of Farmincystis tribolii **Weiser** *(Sporozoa,* Neogregarinida) in Palembus ocularis Casey (Coleoptera, Tenebrionidae) and some observations on its fine structure. 029485

SPORULATION

Sporulation in **D-glucosamine** auxotrophs of Saccharomyces cerevisiae [yeasts]: meiosis with defective ascospore wall formation. 026197
Lipid metabolism during bacterial growth, *sporulation,* and **germination:** differential synthesis of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
The effect of various sources of carbon and nitrogen in an artificial nutrient medium on the *sporulation* of **Rhizopus** delemar (Boidin) Wehmer et Hanzawa (strain B) [Fungi]. 026680

SPOT

Oriental fruit fly [Dacus dorsalis]: thickened formulationsof methyl eugenol in *spot* **applications** for male annihilation. 028869
Resistance of tomato varieties to black **bacterial** *spot* [Xanthomonas vesicatoria]. 028142
Ascorbic acid content and enzyme activities during maturation of the mango fruit and their association with bacterial **black** *spot* [Erwinia mangiferae]. 028126
Bacterial **black** *spot* [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Ascorbic acid and the hypersensitive reaction as a means of resistance. 028127
Bacterial **black** *spot* [Erwinia mangiferae] in mango (Mangifera indica L.) fruits. Extraction of a phenol from the fruit and its association with enzymic browning. 028128
Respiration rate of the mango fruit peel and its association with bacterial **black** *spot* [Erwinia mangiferae]. 028129
Black *spot:* a nonparasitic disease of bell pepper fruit in the Lower Rio Grande Valley of Texas [of unknown origin]. 028417
Fungicidal control of **brown** *spot* [Alternaria passiflorae] of passion fruit in Uganda. 027878
Growth of broadbeans infected by Botrytis fabae **[Chocolate** *spot].* 027992
A culture medium for certain species of fungi—pathogens of *spot* **diseases.** 028005
Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] cultivar susceptibility to Sclerotinia [homoeocarpa] **dollar** *spot.* 028069
The epidemiology of **leaf** *spot* disease in a native prairie. II. Airborne spore populations of Pyrenophora tritici-repentis [Agropyron dasystachyum, Agropyron smithii]. 027923
Forecasting incidence and issuing warnings for sugarbeet **leaf** *spot* (Cercospora beticola Sacc.) in Yugoslavia. 027961
Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum [Sweet-cherry trees, **leaf** *spot].* 028131
Screening for genetic host resistance against the bacterial **leaf** *spot* disease in tomato incited by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the chlorotic **leaf** *spot* virus. 028168
Bark split disease of prune trees and its association with strains of apple chlorotic **leaf** *spot* [virus]. 028172
Leaf *spot* of black currants [Virus diseases, vectors]. 028287
Spotted **response** of overseeded ryegrass [Lolium perenne] tosulfur-coated urea [Turfgrasses, fertilizers]. 027105

Improved performance of peach tree clone freed from **ring** *spot* [virus] by thermotherapy. Study of recontamination in the orchard. 028182
Environmental factors affecting *brown-spot* [**Scirrhia** acicola] infection on longleaf pine [Pinus palustris]. 028053
Meat efficiency of the F11 generation crossbred of the **Slovak** *Spotted* cattle with the Black Pied Lowland cattle. 022713
Responses of the *two-spotted* **spider** mite, Tetranychus urticae Koch., to light and gravity. 028677
Responses of the *two-spotted* **spider** mite, Tetranychus urticae Koch., to young and old leaves, upper and lower surfaces of leaf. 028678
Tetranychus urticae Koch. Study on resistance of beans to the *two-spotted* **spider** mite, Tetranychus urticae Koch. 028889
The efficiency of chemical protection of tobacco from **tomato** *spotted* wilt. 028278
Resistance to Cronartium ribicola in Pinus monticola: an analysis of *needle-spot* **types** and frequencies. 027921

SPRAY
Predacious mites (Acarina: Phytoseiidae) on *sprayed* **apple** trees at Bathurst (N.s.w.). 028381
The effect of **benomyl** *sprays* on Sclerotinia trifoliorum andyield of red clover. 027902
Insecticide recommendations and *spray* **calendar** for shade trees and woody ornamentals. 028834
In forest plantings: *sprayer* **calibration** for herbicide application [Equipment. 030060
The effects of long days on the flowering of *spray* **carnations** [Dianthus caryophyllus varieties]. 027638
Supplementary lighting for *spray* **chrysanthemums** [Varieties]. 027632
Operation and care of *spray* **equipment** for pecan trees. 030109
Effects of *spray-drying* and **freezing** on the proteins of liquid whole egg. 022728
Smaller output of *spray* and **higher** productiveness of labor [Sugarbeet pest control, weevils]. 028807
Small plot tests of **insecticidal** *sprays* for bollworm-budworm [Heliothis zea-Heliothis virescens] control on cotton. 028713
Effectiveness of **insecticidal** *sprays* against grapevine cicadellid, Arboridia (Arborifera) viniferata Sohi and Sandhu in the Punjab, India. 028862
Responses of four orange varieties to certain petroleum oils [used as **insecticidal** *sprays]* in Texas. 028872
OMP-2 *sprayer.* 030166
Problem: how to generate student enthusiasm; solution: spiders, gondolas & *spray* **paint.** 022240
ULV [Ultra-low volume] *sprays* of **propoxur** for control of [a bloodsucking mite] Trombicula alfreddugesi. 029029
Thixcin-thickened *sprays* of cue-lure + naled: investigation of rates of application for use in male annihilation of melon fly [Tested in a macadamia orchard]. 028873
A **universal** *sprayer* based on the system of the Colchis complex agricultural experimental station of the All-Union Research Institute of Tea and Subtropical Crops. 030129
The effects of autumn foliar **urea** *sprays* on storage forms of nitrogen extracted from bark and wood of apple shoots. 027204

SPRAYING
Evaluation of some insecticidal combination against sucking pests [aphids, mites] of cotton through **aerial** *spraying.* 028718
Brush *spraying* [Chemical control]. 028580
Influence of nitrogen fertilization, *spraying* of **calcium** nitrate, thinning, and time of harvesting on James Grieve [variety of] apples. 030514
Big drops, little drips and granules *[Spraying* **equipment].** 030017
Introduction of **low-volume** *spraying* [Disease and pest control of fruit trees and grapes]. 028472
Low-volume *spraying* of stands with dendrobacillin [for biological control of lepidopteran cotton pests]. 028763
KA-26 helicopter in agriculture [**Pesticide** *spraying* and fertilizer application]. 030165
Atmospheric levels of propoxur aboard submarines after **residual** *spraying* [for control of Blatella germanica]. 028980

SPRING
Hereditability of caryopse weight in *spring* **barley** hybrids. 026167
Stress of *spring* **barley** internodes on tension. 026881
Biologic losses of *spring* **barley** [caused by overgrowing]. 027347
Further multivariate analysis of the assortment of *spring* **barley** from several places during two years. 027411
Fundamentals of a powdery mildew [Erysiphe graminis] forecast on *spring* **barley.** 028106
Nitrogen utilization during *spring* **blooms** of marine phytoplankton in Bedford Basin, Nova Scotia, Canada. 026667
CO2 [carbon dioxide] nutrition of *spring* **cucumbers** in the Netherlands [Leaf injury]. 028299
Postemergence control of Kochia [scoparia] and Russian thistle [Salsola kali tenunifolia] in **early** *spring* [Sugarbeets]. 028490
Overwinter survival and *spring* **emergence** of the bollworm [Heliothis zea] in Arkansas [Cotton]. 028735
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl **following** *spring* and late-summer soil application [Residues, chemical control, carrot insect pests]. 028886
Studies on all season management of beef cattle with the non-pen system. 2. Winter feeding of heifers with only a hay supply and their compensational **growth** in *spring.* 023875
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on *spring* **herbage** yields under irrigated and dry conditions [Lolium multiflorum]. 027459
Weeds in orchards as important alternate sources of green peach aphids [Myzus persicae] in **late** *spring.* 028855
Persistence of tetracycline activity in medicated syrup stored in honeybee [Apis mellifera] colonies in **late** *spring.* 029822
Migration of the armyworm Persectania ewingii moths in *spring* and the **origin** of outbreaks. 028658
USDA-DHIA [Dairy Herd Improvement Association] cow index list, *spring* 1975 [**Performance**]. 024031
Providing the organism of cotton-picking machine operators with vitamins C and B2 during *spring-summer* **period** in Turkmenistan. 022114
Nitrogen fertilization of grassland in the *spring.* **Report** of research during the period 1971-1973. 030515
Influence of low temperatures on meiotic abnormalities in **soft** *spring* wheat. 026144
Organochloric pesticides in milk of Haute-Vienne in *spring* 1974. 029143
Strong *spring* wheat [variety] Zarnitsa. 027513
The abundance of diatoms [Algae] in the southwestern nearshore region of Lake Ontario during the *spring* **thermal** bar period. 025919
Variability of protein content in *spring* **vetch** and peas for forage. 027046
Specimens of *spring* **wheat** [varieties] resistant to races of stem and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. 026261
The productivity coefficient of the *spring* **wheat** spike [Varieties]. 026273
The role of spatial structure of a light field in the formation of *spring* **wheat** crop [for the reproduction of breeding material]. 026277
Temperature-induced phase changes on the kinetics of photosynthetic electron transfer in winter and *spring* **wheat** chloroplasts. 026908
Comparative changes in hardiness and lipid composition in two near-isogenic lines of **wheat** *(spring* and winter) grown at 2 degrees C and 24 degrees C [centigrade]. 026927
The quality of *spring* **wheat** seeds. 027517
New method of tillage of fallow soil planted to *spring* **wheat** [Soil management, wheat yields]. 030629

SPRINKLERS
Synchronous **impulsive** *sprinkling.* 030681
The spread of potato blight, Phytophthora infestans (Mont.) de Bary, **as influenced by** *sprinkler* **irrigation.** 027909
Use of plastic bags in *sprinkler* **irrigation** of oilpalm nurseries. 030108
A comparison of two drip irrigaton schedules with *sprinkler* **irrigation** in Thornless Evergreen blackberries. 030727
Examination of irrigation equipmentes with **large-range** *sprinklers.* 030097
Monilinia [laxa] life cycle on sweet cherries and its control by **overhead** *sprinkler* fungicide applications. 028072
Lack of foliar protection from early blight [Alternaria solani] by aircraft-applied fungicides on *sprinkler-irrigated* **potatoes.** 028070
Technological schemes of [cotton] irrigation with the **PPA-165** *sprinkler.* 030682

SPROUT
Annotated bibliography on storage of **brussels** *sprouts,* 19701974. 022966
Branched-chain constituents of **Brussels** *sprout* wax. 027240
Irradiation treatment for *sprout* **inhibition** in potatoes: prospects for application in Belgium. 022908
United States potentials and problems for insect disinfestation of wheat and *sprout* **inhibition** of potatoes by irradiation. 028743
Nucleoproteids from *sprouts* of **potato** varieties resistant and susceptible to the fungus Synchytrium endobioticum (Schilb.) Perc. [Wart]. 028016
Amino acid content and digestible energy value of *sprouted,* **rust-affected** and sound wheat in pig diets. 023015
Stump *sprout* growth and quality of several Appalachian hardwood species after clearcutting. 025262

SPRUCE
Approaches to assessing insecticide efficacy in *spruce* **budworm** [Choristoneura fumiferana] (Lepidoptera: Tortricidae) control programs. 028923
Study of sulfonated carbohydrates forming in bisulfite **cooking** of *spruce.* 025411
Growth peculiarities of young stands of *spruce* in **cutover** areas. 025120
Effects of photoperiod and size on flight activity and oviposition in the **eastern** *spruce* budworm [Choristoneura fumiferana] (Lepidoptera: Tortricidae). 029281
Leaf water stress in **Engelmann** *spruce* [Picea engelmannii]: Influence of the root and shoot environments. 027336
A few words on the melizitoze producer [Cinara pilicornis] on the *spruce* [**Honeydew,** apiculture]. 029248
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of **sweetgum** and *spruce* [**Liquidambar** styraciflua, Picea abies]. 025362
Investigations on the timber quality of silver fir [Abies] and **Norway** *spruce* [Picea abies] from selection stands. 025296
Preliminary investigations on the suitability of phloem analysis as a diagnostic tool to predict the nutritional status of **Norway** *spruce* (Picea abies Karst.). 027317
The flowering biology of **Norway** *spruce* [Picea abies]—an obstacle to a rational program for tree breeding? 027340
Investigations on changes in soluble protein content and activity of proteases and acid phosphatases in needles of **Norway** *spruce* (Picea abies L. Karst) seedlings treated with dalapon) [Herbicides]. 028498
The influence of sulfur dioxide and hydrogen fluoride on free amino acids of *spruce* [**Picea** abies]. 025025
Productivity of the ant Formica dakotensis in a *spruce* [**Picea**] bog. 1. Observed and estimated densities of the colonies. 029381
Complex mechanization of operations in culture of *spruce* **seedlings.** 030081
The significance of *spruce* **undergrowth** in the formation of young stands. 025131
Comparison of **western** *spruce* budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962
Effects of timing of fertilization of **young** *spruce* [Picea]. 030460

SQUALENE
The steroespecificity of biosynthesis of *squalene* and **beta-amyrin** in Pisum sativum [Peas]. 027258
Conversion of *squalene-2(3)* **epoxide** by enzymes of Alnus glutinosa. 027331

SQUARE
A discounted **least** *squares* quadratic growth prediction model for use in 2 year toxicity studies [Rats]. 024981
Boll weevil [Anthonomus grandis] oviposition behavior: multiple **punctured** *squares* [Cotton lines]. 028726
Validity of soil water evaporatin **versus** *square* root of time relation. 030248

SQUASH
Variability of characters in artificial tetraploids of *squash* (**Curcurbita** maxima Duch.). 026290
A new **gem** *squash:* Rolet [Varieties]. 027662
Annotated bibliography on manurial requirements of pumpkin, *squash,* **watermelon** and muskmelon, 1969-1974. 030512
Filament formation in vitro of a sieve tube protein from Cucurbita maxima and Cucurbita pepo [**Winter** *squash,* pumpkins]. 027276

SQUIRRELS
Plant protection and industry [**Ground** *squirrels* as cereal pests, control]. 028475
Isolation of Mycoplasma species from *squirrels* (**Ratufa** indica) [from the vicinity of poultry farms]. 024565
Red *squirrel* response to clearcut and shelterwood systems in interior Alaska. 025067

STABILIZATION
The **Agricultural** *Stabilization* and Conservation Service. 021247
Those old cotton fields down home [**Agricultural** *Stabilization* and Conservation Service]. 021790
The experimentation to *stabilize* the **appropriate** sowing density of Alnus barbata in nursery. 025240
Biological *stabilization* of wines with 5-nitrofurylacrylic acid. 022986
Santoquin salts as *stabilizers* of **carotene** [Vitamins in feed]. 023086
Study of the tall fatty acids as a raw material for the synthesis of *plasticizers-stabilizers* [**Epoxidized** ethers]. 025335
Stabilization of the **globular** structure of ferricytochrome c by chloride in acidic solvents [Horse heart cytochrome]. 023303
Price *stabilization* through deficiency payments [Swine]. 021478
Study of [seed] mixtures for hydrosowing [Perennial grassesand legumes, **soil** *stabilization* on slopes]. 030609
Soil *stabilizers* to control wind erosion. 030617
Factors in German agricultural economy in the second half of the 19th century. Industrialization, economic regressions and **structure** *stabilizing* advances. 021232
A rapid screening method for the determination of di-(n-octyl) **tin** *stabilizers* in alcoholic beverages, using a heated graphite atomizer. 022490
Stabilities of **viruses** following freezing and storage at low temperatures. 024534
Record '76 output should help *stabilize* **world** sugar trade. 021558

STABLES
Stable **construction** and liquid manure management. 029910

Obtaining details of *stable* **dimensions** from poplar wood. 025520
Stable **feed** basis for development of animal husbandry [Costs]. 021459
Stable and **liquid** manure techniques [Construction]. 029909
Provide *stable* fissures [Soil management]. 030596
New systems in **stanchion** *stables* with liquid manure removal. 029906
Effect of network voltage change on regulation of fan revolutions by means of changed **voltage** [in *stables].* 029893

STAGONOSPORA

Leaf scorch *[Stagonospora* **curtisii]** and neck rot [Botrytis narcissicola] in Narcissus. 027881

STAINING

Differential **activity** *staining:* its use in characterization of guanylylspecific ribonuclease in the genus Ustilago [Fungi]. 026810
Transmission of broad **bean** *stain* virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
Lipolysis by lactic acid bacteria recognized through color changes of *dye-stained* **butterfats** on double-layered agar plates. 022612
Toxicity tests of some chemicals against **certain** *wood-staining* fungi. 025381
Differential *staining* of the chromosomes of Allium cepa L. [Onion]. 026141
Fluorescent **Feulgen** *staining* of fungal nuclei. 026003
Neutral red, special **fresh** *stain* for "corpus luteum" in insects. 029503
Discrimination of homologous chromosomes of maize with **Giemsa** *staining.* 026158
Induction of DNA double-strand breaks by X-rays in a **radiosensitive** *stain* of the yeast Saccharomyces cerevisiae. 026224
Staining **reactions** of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262
Tetrazolium *staining* of seeds for interpretation of viability of six Indian tree species. 027319
A **trichromatic** *staining* for the detection of muscle protein, connective tissue protein and mineralized bone particles. 022644

STALKS

Dependences of some physical-mechanical quantities on internodes of **barley** *stalks* of the Dvoran and Sladar varieties. 026879
Types of fruit-bearing branches and **fruit** *stalks* [in fine-fiber cotton]. 026036
Stress-strain behavior of single **grass** *stalks.* 026988
Studies of the hypothalamus and the pituitary gland, with special reference to the effects of transection of the **pituitary** *stalk* [Includes animals]. 023177

STALLS

Binding *stalls* with short stands today. 029956
Test results for rearing young cattle in open **box** *stalls.* 023134
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a **box** *stall* and a poultry house [Biological control of Musca domestica and Stomoxys calcitrans]. 029010
Behavior adaptation of dairy cattle in various **free** *stall* systems. 023587
Free-stall **housing** for dairy cattle. 029953
Stall **installations** for keeping swine in an unbroken production sequence. 029984
Open *stall* systems and liquid manure removal [Designs]. 029907

STAMP

Elizabeth Friar: Energetic lady directs volunteer services; Michigan volunteer program encourages communities to find ways to help the needy through **food** *stamps.* 021718

STANDARDS

Effects of modern pollution **control** *standards* on the design and economics of sulphuric acid plants. 030967
Fertilising *standards* for potting composts based on the 1 : 1 1/2 volume extraction method of soil testing. 030397
Judging *standards* for horticultural shows. 027820
Microbial *standards* for food—a view from New Zealand industry. 021886
Observations with respect to **possible** *standards* for the quality of canned sardines. 021853
The use of animal data in derivation of **[radiation]** *standards.* 024958
A rapid 20-minute method of determining the moisture content of tobacco and Aztec tobacco **seeds** *[Standards].* 021971
The improvement of **state** *standards* for seeds. 021969
New **world** *standards* for cheese by the Food and Agriculture Organization are being prepared. 021869

STANDS

Investigations on the timber quality of silver fir [Abies] and Norway spruce [Picea **abies**] from selection *stands.* 025296
Dynamics of softwood introduction in the *stands* from **Alba** district. 025228
Short-term effect of seasonal burning on the composition of Dichanthium **annulatum** *stands* at Varanasi. 025922
Development of some young aspen [Populus tremuloides] *stands* in **Arizona.** 025263
Branch grading indexes after size in pedunculate oak, sesile oak and **beech** *stands* [Quercus, Fagus]. 025161
Investigations on productivity of Japanese cypress (Chamaecyparis obtusa) *stands.* I. **Biomass** and growth of 28 years-old stands in sorayama. 025166
Effect of a large area nitrogen fertilization by airplane on volume increment of pine [Pinus] *stands* in the **Bodenwohr** Forestry District in Bavaria. 030459
Use of Semeron [for weed control in **cabbage** *stands].* 028525
A new method for the chemical purification of hardwood and **conifer** *stands.* 025188
The effectiveness of combined treatments of **[cotton]** *stands.* 027438
The efficiency of agrotechnical and chemical control of weeds [in **cotton** *stands].* 028527
Low-volume spraying of *stands* with **dendrobacillin** [for biological control of lepidopteran cotton pests]. 028763
An experiment concerning the inventory efficiency of **even-aged** *stands* by means of cluster-samples with 4, 6, 8 and 10 trees. 025160
Studies on the frequency distribution of the weight of individual trees in a forest stand. V. The M-w diagram for various types of **forest** *stands.* 025109
Accuracy in interpreting large-scale aerial photographs of **forest** *stands.* 025111
Elements of forest appraisal for **forest** *stands* of berries. 025115
Mathematical model of forecasting inventory of **forest** *stands.* 025122
Establishing **forest** *stands* in the taiga zone [Silviculture]. 025205
Effect of the level of nitrogen nutrition on yield and quality of planted **grass** *stands.* 027060
Effect of mineral fertilizers on yield and quality of forage **grass** *stands* of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
Taking into account of **high-yielding** *stands* [Forest appraisal]. 025130
Contributions to topological study of chestnut [Castanea] *stands* on the **hill** piedmonts of Baia Mare. 025226
Weed-crop behaviour in pure and **mixed** *stands* of maize and Echinochloa colona Link. 028542
Undergrowth vegetation effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and birch [Betula papyrifera] *stands* in **northern** Minnesota. 025897
Economics of fertilizing pine [Pinus] *stands* in the **Oberpfalz** using calcium-ammonium nitrate. 030458
Pine *stands* on the Terek-Kuma sands. 025042
Economic effectiveness of the application of mineral fertilizers in growing **pine** *stands* in Voronezh Region [Costs, returns]. 025106
Volumetric tables of trunks for **pine** *stands* in the Briansk Forest Massif. 025107
Growth and productivity of **pine** *stands* on the Kurshiu Niariia sandbar. 025118
Application of fertilizers in **pine** *stands* with the use of aircraft. 030494
Methods of working up the volume of wood in thinning cuttings in **poplar** *stands.* 025519
Tillage of **potato** *stands* [Equipment]. 030067
Development of ligneous weeds on volcanic soils in **pure** *stands* and those mixed with Gramineae [Chile]. 025856
Binding stalls with **short** *stands* today. 029956
Behind every kitchen **success** *stands* the right oven. 022325
Inter-row cultivation and irrigation of **sunflower** *stands.* 027572
Investigations on productivity of Japanese cypress (Chamaecyparis obtusa) stands. I. Biomass and growth of 28 **years-old** *stands* in sorayama. 025166
Growth of the understorey and beech [Fagus] *stands* of a **young** age. 025119
Growth peculiarities of **young** *stands* of spruce in cutover areas. 025120
The significance of spruce undergrowth in the formation of **young** *stands.* 025131

STAPHYLINIDAE

Orus femineus, a new species of *Staphylinidae* **(Coleoptera)** from Florida. 029658
Study on the systematics and geonemy of Xantholinus. XI. A new species at the Geneva Museum of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, *Staphylinidae).* 47th contribution to the **knowledge** of Staphylinidae. 029687

STAPHYLOCOCCUS

Phage typing of *Staphylococcus* **aureus** strains isolated in Sweden from bovine milk. 021831
Direct plating method for enumeration of *Staphylococcus* **aureus:** collaborative study [Processed foods]. 021912
Influence of [soy, fish, yeast] protein supplements on growth of *Staphylococcus* **aureus** and production of enterotoxins. 021926
Growth of *Staphylococcus* **aureus,** experimentally inoculated in Damietta cheese. 021986
A study of the action of the cationic proteins from rabbit polymorphonuclear leucocytes on the staphylococcal cell membrane *[Staphylococcus* **aureus].** 023316
Phage types of *Staphylococcus* **aureus** isolated from bovine milk from [cows] affected with mastitis in Japan. 024489
Antigenicity of *Staphylococcus* **aureus** in rabbits. 024544
A study of the action of the cationic proteins from rabbit polymorphonuclear leucocytes on the *staphylococcal* **cell** membrane [Staphylococcus aureus]. 023316
Incidence of **coagulase-positive** *staphylococci* in Damietta cheese. 021987
Humoral antibody response to cattle to **formalinized** *Staphylococcus* aureus vaccine. 024496
Suppressive effects of antibiotics on experimentally **inoculated** *Staphylococcus* aureus populations on the skin of poultry. 024459
Properties of *staphylococci* **isolated** from cow's milk in respect fo the evaluation of milk [Contamination]. 021946

STARCHES

Starch **breakdown** and ripening of apple and pear fruits. 027234
Color, firmness, *starch* **content,** and persistence of 2-chloroethylphosphonic acid in McIntosh apples. 022885
The *starch* **content** of chloroplasts in fruit-bearing and nonfruit-bearing eggplants and strawberries. 027116
Studies on structure and physico-chemical properties of starch. 2. Reaction of epichlorohydrin with **corn** *starch.* 022747
Effect of forage-to-concentrate ratio in complete feeds and feed intake on digestion of *starch* by **dairy** cows. 023766
Occurrence of some enzymes in *starchy* **endosperm** and hormonal regulation of isoperoxidase in aleurone of wheat. 027026
An honor for super slurper [Industrial chemicals from *starch* that is in **excess** of food needs]. 022737
Historical review of our studies on *starch* **granules.** 022420
Foliar structure and **intraplastidial** *starch* accumulation in a Crassulaceae Bryophyllum diagremontianum Berger. 026699
Starch in **nutrition.** 022156
Effects of hemiacetal of chloral and *starch* on the **performance** of beef steers [Cattle metabolisms]. 023454
Breeding of *starchy* **potato** varieties. 026206
Phosphorus in *starch* **[Potatoes,** cereals]. 022891
Influence of boron and manganese on *starch* **quality** of potatoes. 027299
Studies on structure and physico-chemical properties of *starch.* 2. **Reaction** of epichlorohydrin with corn starch. 022747
A comparative study on the evolution of lipids and *starch* **reserves** at the the apex of Taxus baccata L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879
Isolation and some properties of taro **root** *starch.* 022890
The effect of 3-indolylacetic acid on the accumulation of *starch* in the **root** tissue of Cichorium intybus L. [Chicory] cultured in vitro. 027097
A study in the prefermentation process to increase the yield of steroidal diosgenin and the multipurpose usage of *starch* from the **tubers** of Dioscorea zingiberensis [Yams]. 022886
Distribution of *starch* in the **vegetative** apex of the maize shoot. 026948

STARVATION

Roll of *starvation* **factor** in pneumomycosis infection in birds [Poultry]. 024557
Changes in plasma glucose and liver glycogen following the administration of gluconeogenic precursors to the *starving* **fowl** [Chickens]. 023376
Effect of **nutrient** *starvation* on the utilization of storage lipids in Mortierella ramanniana [Fungi]. 028394
Gluconeogenesis in the kidney-cortex slices of normal fed and *starved* **sheep.** 023660

STATIC

About the interest of apartment dwellers in allotment gardens, *static* **caravanning** plots, and weekendhome plots. III. 021204
Rubrospinal control of *static* and **dynamic** fusimotor neurones [Cats]. 023187
Tensiometric measurement of stress on the plough column under *static* and **dynamic** conditions. 030002
Static **hysteresis** in compressed wood of birch in relation to compression along the fibers. 025410

STATIONS

New pteridophyte records in the Highlands **Biological** *Station* area, southern Appalachians [Pteridophyta]. 025673
The Delta **Branch** *station* [of the University of Arkansas, Agricultural Experiment Station, culture of field crops]. 027372
The Land Use Project [of the University of Arkansas, Agricultural **Experiment** *Station].* 021162
The integrated research advisory and extension service of the South African Sugar Association's **Experiment** *Station.* 022816
The Beef Substation [of the University of Arkansas, Agricultural **Experiment** *Station,* cattle breeding]. 024030
Population parameters of some agronomic characters of [sugarcane] clones in the germplasm collection of La granja **Experiment** *Station,* Philippine Sugar Institute. 026295
The Delta Branch station [of the University of Arkansas, Agricultural **Experiment** *Station,* culture of field crops]. 027372
Feed consumption and feeding performance as exemplified by the herd of cows of the Liquid Fertilizer **Experimental** *Station* [Austria]. 023702
A universal sprayer based on the system of the Colchis complex agricultural **experimental** *station* of the All-Union Research Institute of Tea and Subtropical Crops. 030129
Knowledge gained at the liquid manure experimental farm of the Federal **Experimental** *Station* at Bumpenstein [Forage plant yields, effects of feeding on dairy cattle]. 030423

Preliminary inventory expedited by the Paraopeba Forest **Experimentation** *Station* in Minas Gerais. 025077
Field *station* research: 1975 [U. S. Pecan Field Station]. 027813
An aid to streamlining [forest] **fire-weather** *station* networks. 025065
A modern **irrigation** *station* [Equipment]. 030104
Contributions from the **Kirchhain** *Station* for Apiculture: the problem of inbreeding effects in the bee [Apis mellifera]. 029860
Phytoplankton [Algae] biomass, species composition and primary production at a nearshore and a **midlake** *station* of Lake Ontario during IFYGL (IFYGL) International Field Year for the Great Lakes. 025800
Drainage **pumping** *stations* [equipped] with centrifugal pumps. 030121
Communal **purification** *stations.* Choice of a water purification technique. 030848
Creation and operation of [water] **purification** *stations.* 030849
The Fort Reno Livestock **Research** *Station.* 023150
A comparative study of [sheep] body form, live and fleece weights of the Kivircik and different Texel crossbreds at Inanli Animal Breeding **Research** *Station.* 024110
IXth International Symposium on Fruit Tree Virus Diseases, East Malling **Research** *Station,* Kent, 8-14 July 1973. 028184

STATISTICS

Agricultural *statistics* of Eastern Europe and the Soviet Union 1950-70. 021663
Collecting **agricultural** *statistics* in the Soviet Union. 021666
1974 **agricultural** *statistics* for Arkansas. 021672
Economical-statistical **analysis** of causes of different returns in socialist agricultural enterprises. 021360
Forecasting crop quality [Sugarcane, price-quality schemes, *statistical* **analysis**]. 021632
Statistical-economic **analysis** of the efficiency of milk production. 021819
U.S. Dairy trade deficit reduced in fiscal 1975 as exports gain and imports **decline** *[Statistics].* 021515
The forest-land owners of **Delaware** *[Statistics].* 025170
Indices of agricultural production in Africa and the Near **East,** 1964-73 *[Statistics].* 021664
Leading markets for 1974 U.S. Agricultural **exports** *[Statistics].* 021496
A regional summary of United States **farming** *[Statistics].* 021658
U.S. Imports of fruits and vegetables under quarantine, **fiscal** 1975 *[Statistics].* 021508
Some thoughts concerning the West German sugar industry. Structure and time-series in *statistics* and **graphics.** 021821
Statistics, **heredity** and correlation between some features of the circulatory system in female German landrace swine. I. Means and environmental effects. 024254
Agricultural data for 1974. IV *[Statistics,* **Hungary].** 021669
Agricultural data for 1975. I *[Statistics,* **Hungary].** 021670
Mathematical model for profit development in a sector of agriculture *[Statistical* **methods].** 021668
A user's guide to the Econometric Analysis System (EAS) [Economics, *statistical* **methods,** computer programs]. 021673
Current planning of forest regeneration operations with the use of the ASPR sub-system *[Statistical* **methods].** 025113
World coffee production in 1975/76 matches consumption **needs** *[Statistics].* 021514
Method of estimating exponent in [forest tree] volume equation with a single variable. I. Theory of two points extimation based on **order** *statistics.* 025108
Prospects 1975-76 for flour and feed mills and macaroni industry [Consumption, **outlook,** *statistics].* 021806
Custom farm services in the United States: status and **potentials** *[Statistics].* 021665
The world fats and oils situation. *Statistics* and **problems.** 021775
Large world tea crop expected in 1974 **[Production** *statistics].* 021516
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres, tenth session; Rome, 21-23 May 1975. The *statistical* **situation.** 021662
Review of the agricultural situation in Europe at the end of 1974. Volume II. Dairy products, eggs [Production, consumption, **trade,** *statistics].* 021489
U.S. Agricultural exports adjusted for **transshipments,** *1974[Statistics].* 021506

STEAM

On the behaviour of wood particles in **hot** *air-steam* mixtures—a contribution of the improvement of particle drying in particle board plants. I. 025376
The effect of *steam* **sterilisation** of soil on the manganese uptake by glasshouse crops. 027637
Seed scarifying machine [for tree and shrub planting] operated with **superheated** *steam.* 030084

STEEL

European Economic Community regulation with reference to the raw material in contact with food: **stainless** *steel.* 021865

STEERS *see* CATTLE

STEM

Stem **aerenchyma** as a character separating Hymenachne and Sacciolepis (Gramineae, Panicoideae). 025635
Irrigation rate according to the growth rate of **alfalfa** *stems.* 030677
Field and computer techniques for *stem* **analysis** of coniferous forest trees. 025174
Nomenclatural changes in *stem* **borers** [Chilo] of gramineous crops. 029581
A new record of *stem* and **bulb** nematode [Ditylenchus dipsaci] in Ontario [Onions]. 028347
Development of the *stem* and **crown** rust fungi on leaves, sheaths, and peduncles of oats [Puccinia coronata avenae, Puccinia graminis avenae]. 028051
Carbohydrate relations of pecan [Carya illinoensis (Wang.) K. Koch) *stem* **cuttings.** 027107
The effect of prewarming, presoaking and hot water treatment on the growth of Narcissus and control of *stem* **eelworm** (Ditylenchus dipsaci (Kuhn) Filipjev). 028311
The *stem* as the **factor** of precedences between buds on the annual shoot of Rhamnus frangula L. 026706
Control of **lucerne** *stem* nematode [Ditylenchus dipsaci] withCGA 12223 [Systemic organophosphorus insecticides]. 028423
Flavonoids of the **main** *stems* of Periploca graeca grown in controlled environment. 026737
Stem **nematode** [Ditylenchus dipsaci] of the beet [Control]. 028479
Stem **nematodes** [Ditylenchus dipsaci]—their effects on plants grown with alfalfa. 028453
Spread and control of **Prunus** *stem* pitting [Peaches, tomato ringspot virus, transmitted by Xiphinema americanum]. 028196
Study on reaction of rice to **rice** *stem* borers. 028790
On the presence of the gene Sr 5 in some European cultivars [Wheat, *stem* **rust** resistance, Puccinia graminis tritici]. 027937
Physiologic races of oat crown [Puccinia coronata avenae] and *stem* **rust** [Puccinia graminis avenae] in Italy, 1974. 027938
Induced susceptibility or induced resistance as causes of host-parasite specificity [Wheat, *stem* **rust,** Puccinia graminis tritici]. 027971
The racial composition of the pathogen of *stem* **rust** of oats, Puccinia graminis Pers. f. sp. avenae Eriks. et Henn. and its variability. 028028
Effect of gibberellic acid on the plasticity and elasticity of Avena [sativa, oats] *stem* **segments.** 027020
Propagation of Dioscorea floribunda from in vitro culture of **single-node** *stem* segments [Culture]. 027730
The role of phenylalanine in the biosynthesis of flavonoids and cinnamic acids in the **twining** *stems* of Periploca graeca. 026769
Flavonoids of the **vegetative** *stems* of Periploca graeca. 026738
Certain characteristics of **wheat** *stem* growth [Breeding]. 026218
UV [ultraviolet] light inactivation kinetics of **wheat** *stem* rust uredospores [Puccinia graminis]. 027874
Peculiarities of **wheat** *stem* rust [Puccinia graminis] races prevailing in the Georgian SSR. 028020
Photocontrol of fungal spore germination [Puccinia graministritici, **wheat** *stem* rust]. 028077
Stem **witches'** broom of fruits and forest trees [Virus diseases]. 028197
Specimens of spring wheat [varieties] resistant to races of *stem* and **yellow** rust [Puccinia graminis tritici, Puccinia glumarum]. 026261
Contribution of leaves and *stems* to **yield** and quality of Russian wild ryegrass [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. 023019

STENEOTARSONEMUS

Bulb scale **mite** *(Steneotarsonemus* laticeps) on Narcissus in the United Kingdom. 028809
Role of agronomic techniques in reducing the numerical strength of the wheat flower mite *[Steneotarsonemus* **panshini].** 028806

STEPPES

A survey of darkling beetles [Philolithus, Stenomorpha] in **desert** *steppe* vegetation after a decade. 029533
Carbohydrate nutritive value of several feeds on farms of the **Dnieper-right-bank** *forest-steppe* region of the Ukraine. 023941
Steppe **ecosystem** of Aisen Province, Chile. 025857
Alterations in the soil reclamation status of lands due to irrigation from an earth-channel irrigation network under conditions of a hampered groundwater outflow (on the example of the northeastern part of the **Golodnaya** *Steppe).* 030622
Fertilizers for cotton under the conditions of the **Shirvan** *Steppe.* 030490
Drought effects from the 7314 1973 on softwood plantations on eroded terrains at Chela-Macin in the north of Dobrudja **silvo** *steppe.* 025227
Effectiveness of seeded fallow and bare fallow in the **southcentral** *forest-steppe* region of the Ukraine. 027558
Productivity of grain crops in rotations of the southeastern districts of the **Ukrainian** *steppes.* 027562
The application of mineral fertilizers to proso in the **Ukrainian** *steppes.* 030564
Effect of mineral fertilizers on yield and quality of forage grass stands of cultivated pastures in the **western** *forest-steppe* region of the Ukraine. 030561
Ratio between precocious maturation and fat deposit in Ukrainian **White** *Steppe* swine breed. 023673
Effectiveness of soil-protective crop rotations for erosion control in the *forest-steppe* **zone** of the Ukrainian SSR. 030600

STERCULIACEAE

Vegetative propagation of tropical tree crops with emphasis on **cacao** *(Theobroma* cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Yield gradients in **cocoa** *(Theobroma* cacao L.)—shade and fertilizer experiments. 030409

STEREOCHEMISTRY

Stereochemistry of **granilin** isolated from Carpesium abrotanoides. 026761
Stereochemistry of **sugar** and sugar alcohols in regard to its biochemical and physiological-chemical importance [Nutrition]. 022174

STEREOISOMER

Bone resorbing activities of **24-hydroxy** *stereoisomers* of 24hydroxyvitain D3 and 24, 25-dihydroxyvitamin D3 [Rats]. 023270

STEREOSPECIFIC

The *stereospecificity* of **alcohol** oxidases from Tanacetum vulgare [leaves] and [the yeast] Canadia boidnii. 026397
Stereospecific **analysis** of some Cruciferae species. 026664
Biochemistry of development in insects [Ceratitis capitata]. *Stereospecific* **incorporation** of fatty acids into triacylglycerols. 029348
Oxymercuration-demercuration and hydroboration-oxidation of endo-tricyclo[5.2.2.02,6]undeca-3,8-diene. *Stereospecific* **oxymercuration** leading to the 4-exo-hydroxy derivative [Plant-hormonal properties]. 026652
Studies on tetrahydroisoquinolines. X. A *stereospecific* **synthesis** of (plus/minus)-cataline [Glaucium flavum vestitum]. 026517

STERILITY

Sterility **[Cattle,** nutritional deficiency]. 024215
Experiences with a synthetic gonadotropin-releasing hormone in *sterility* **[Cattle].** 024229
Effectiveness of different methods of preparing seedlings of cereals under *sterile* **conditions** for investigations of nucleic acids using radioactive precursors. 026874
Method fo determining losses due to *sterility* of **cows.** 024923
Synthesis and regeneration of proteins in isolated roots of Pinus sylvestris and Picea excelsa in a *sterile* **culture.** 027322
A modified apparatus for the extraction of nematodes from *sterile* **culture** [Pratylenchus, sweetcorn]. 028399
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with *substerilizing* **doses** of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Female *sterility* in hemp (Cannabis sativa L.). 026143
Codling moth [Laspeyresia pomonella]: effects of sterilizing and *substerilizing* **levels** of gamma irradiation to the sperm on F1 egg development [Apples, pest control]. 028865
Restoring of pollen fertility in *male-sterile* **lines** of wheat (timopheevi) Triticum aestivum L. 026169
Hypotheses on determinism of **male** *sterility* [Forage plants]. 026173
Some problems of **male** *sterility* transmission and combining ability in lucerne hybrids made with a gytoplasmic male sterility system. 026177
Some problems of **male** *sterility* and the effects of heterosis in alfalfa. 026178
The role of supplementary genes in the control of Texas type cytoplasmic **male** *sterility* in corn. 026289
Sex hormones in Neurospora crassa [Fungi]. Renewed evidence for their specificity (to **"male** *sterility"* of the A mating type). 026314
Developmental defects of *female-sterile* **mutants** of Drosophila melanogaster. 029318
Gamma irradiation of adult Plodia interpunctella: Effects on mating, *sterility,* and **number** of progeny [in stored peanuts in Georgia]. 028969
Inherited **partial** *sterility* and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, Tortricidae) with substerilizing doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Potential for control of Cadra cautella (Walker) by release of fully or **partially** *sterile* males [Stored products, pests]. 028978
The question of grain content and forage quality in maize: comparisons between isogenic fertile and *sterile* **plants.** 026191
Economics of production of hybrid cotton seeds **utilising** *male-sterile* line. 021377
Dimethyldicarbonate as a **wine** *sterilant.* 022874

STERILIZATION

The *sterilizing* **effect** of tris (1—aziridinyl) phosphine sulphide (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. 028998
Better chances in controlling sleeping sickness: **radiation** *sterilization* of tsetse flies [Glossina]. 029074
The effect of **steam** *sterilisation* of soil on the manganese uptake by glasshouse crops. 027637
Codling moth [Laspeyresia pomonella]: effects of *sterilizing* and **substerilizing** levels of gamma irradiation to the sperm on F1 egg development [Apples, pest control]. 028865

STEROID
Hormonal control of luteal **20alpha-hydroxy** *steroid* dehydrogenase and delta-5-3beta-hydroxy steroid dehydrogenase during luteolysis in the pregnant rat. 023281
Luteal **20alpha-hydroxy** *steroid* dehydrogenase and the formation of delta4-3-oxo steroids in the rat after weaning or treatment with 2-bromo-alpha-ergocryptine during lactation. 023282
Release of prostaglandin-like substances by Shigella endotoxin and its inhibition by *non-steroidal* **anti-inflammatory** compounds [Rabbits]. 024472
Relationships of ascorbic acid to pregnancy, and oral **contraceptive** *steroids*. 022043
Hormonal control of luteal 20alpha-hydroxy steroid dehydrogenase and **delta-5-3beta-hydroxy** *steroid* dehydrogenase during luteolysis in the pregnant rat. 023281
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of **delta4-3-oxo** *steroids* in the rat after weaning or treatment with 2-bromo-alpha-ergocryptine during lactation. 023282
A study in the prefermentation process to increase the yield of *steroidal* **diosgenin** and the multipurpose usage of starch from the tubers of Dioscorea zingiberensis [Yams]. 022886
Effect of wheat fiber on blood lipids, **fecal** *steroid* excretion and serum iron [in human nutrition]. 021999
The determination of **five** *steroids* in avian plasma by radioimmunoassay and competitive protein-binding. 023655
Steroids from **Ganoderma** applanatum [Fungi]. 026762
Crataegolic acid [2alpha-hydroxyoleanolic acid] and *steroid* **glucosides** from the flower buds of Syzygium aromaticum. 026731
Ovalbumin mRNA and ovalbumin DNA and the molecular biology of *steroid* **hormone** action [Chicks]. 023197
Tissue-steroid **interactions** in canine hormone-dependent tumours [Dogs]. 024918
Gonadotrophin and *steroid* **levels** around the time of first ovulation in the rat. 024106
Effects of pesticides and related compounds on *steroid* **metabolism** and function. 029092
Withanolides Q and R, two **new** *23-hydroxy-steroidal* lactones [Withania somnifera]. 026635
Andesgenin, a **new** *steroid* sapogenin from Solanum hypomalacophyllum. 026720
Effects of oral administration of a combination of 17 alphamethyltrienolone (MTR) and of some **non-virilizing** *steroids* on the growth and fattening of castrated male pigs. 023872
Studies on the receptors to the **odoriferous** *steroid*, 5alphaandrost-16-en-3-one, in sow nasal epithelium. 023522
Interactions between **ovarian** *steroids* or progestagens and LH [luteinizing hormone] release [Domestic animals]. 023988
Changes of the **plasma** *steroid* hormones in pre- and postpartum stage in cows. 024136
Steroid **production** by the isolated rabbit ovarian follicle. 024127
Increase in swine litter size as the result of *steroid* **therapy**. 024208
Steroid and **triterpene** glycosides of Crataegus pentagyna. 026498
Structure of a novel **type** *steroid* glycoside, 18-norspirostanol oligoglycoside [Trillium kamtschaticum]. 026849

STEROL
Seasonal changes in foliar fatty acids and *sterols* in **Caryaglabra** (Mill.) Sweet and Quercus falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Sterol **composition** of plasma membrane enriched fractions from maize coleoptiles. 027035
Sterol **compounds** from plant mitochondria. Preliminary studies on the localization of these substances inside these organelles [Potatoes, radishes, beans, cauliflower]. 027235
Esterified *sterol* glucoside and methylellagic acids from Aleurites fordii [tung tree] fruits. 022959
Sterol-binding **polysaccharides** of Rhizopus arrhizus, Penicillium roquefortii and Saccharomyces carlsbergensis [Fungi]. 026763

STETHORUS
Stethorus as a **predator** of the spider mite [Tetranychidae, biological control]. 028694
Computer simulation used to control [apples] orchard mites [Panonychus ulmi, *Stethorus* **punctum**, biological control]. 028890

STEWARTIA
Stewartia **pseudocamellia** [Culture]. 025582

STICTA
Effects of light intensity and temperature on nitrogen fixation by Lobaria pulmonaria, *Sticta* **weigelii**, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427

STIMULATION
Stimulation of **albumin** synthesis by amino acids following partial hepatectomy in the rat. 022009
Stimulation of **branching** in young tea plants. 026318
The use of uniform honeybee [Apis mellifera] colonies to evaluate supplementary test rations for the *stimulation* of **brood** rearing. 029833
The effectiveness of resin tapping using new [chemical] *stimulants* in the **Central** Urals. 025343
Chemical *stimulus* determinants of cat geniculate ganglion chemoresponsive group II unit discharge [Taste]. 023370
Chemical *stimuli* for feeding by [nematode] Aphelenchus avenae [Rhizoctonia solani, Caenorhabditis briggsae]. 028400
Effect of **clitoral** *stimulation* on AI bred cows. 024193
Prehatch **color** *stimulation* effects on color pecking preferences and color discrimination learning in White Leghorn chicks. 023386
Nature of the *stimulus* of the **copulation-induced** rise in lactic dehydrogenase activity in the rabbit oviduct. 024123
Effect of **double** *stimulation* in the receiver-less method of extraction of native turpentine. 025305
Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the *stimulation* of **egg** laying and ovarian production of Philophylla heraclei L. (Diptera, Tephritidae). 028824
Vocal reactions of chickens to different parameters of **electrical** *stimulation* of midbrain. 023524
Electrical *stimulation* of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH [luteinizing hormone] release and evidence for neural regulation of spontaneous LH rhythms. 023599
How is luteinizing hormone released in response to **electrochemical** *stimulation* of the hypothalamus? [Rats]. 023517
Alterations of DNA-dependent DNA polymerase activities in the immature quail oviduct in response to **estrogen** *stimulation*. 023600
Synchronization and *stimulation* of **estrus** in sheep with Megestrol acetate and pregnant mare's serum. 024270
Guidance and *stimulation* **factors** in performances of a task by Formica polyctena. 029376
Contribution for *stimulating* **fertilizer** consumption in developing countries. 030517
Serum LH [luteinizing hormone] concentrations and ovarian activity in cows with repetitive administration of LH-RH/FSH-RH [luteinizing hormone-releasing hormone/ **follicle** *stimulating* hormone-releasing hormone]. 024095
Mitochondrial reorganizaion **following** *stimulation* by HCG [human hchorionic gonadotropin] of testis Leydig cells from hypophysectomized pigs. 023352
The effects of **fusimotor** *stimulation* during small amplitude stretching on the frequency-response of the primary ending of the mammalian muscle spindle [Cats]. 023554
Stimulation of **gas** production from cowdung by algal [Oscillatoria chalybea] supplementation. 029916
Follicle-stimulating **hormone** in the Japanese quail: variation in plasma levels during photo periodically induced testicular growth and maturation. 023516
Variations in the levels of *follicle-stimulating* **hormone** in the circulation of birds, a determined by homologous radioimmunoassay. 023523
Isolation, identification and synthesis of **host-seeking** *stimulants* for cardiochiles nigriceps, a parasitoid of tobacco budworm [Heliothis virescens]. 028722
Some physiological and pharmalogical characteristics of the *stimulus* **induced** release of norepinephrine from the rabbit superior cervical ganglion. 023598
Stimulation and **inhibition** reactions in [pea] plants infected by Corynebacterium fascians (Tilford) Dowson. 028144
Stimulation of **intestinal** smooth muscle by atropine, procain1, and tetrodotoxin [Cats]. 023227
Lectins *stimulate* pollen germination [Lilium longiflorum]. 027218
Influence of substance P on the response of guinea pig ileum to transmural **nerve** *stimulation*. 023185
Stimulation of **protective** immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens [Mice]. 024479
Slow **respiratory** *stimulant* effect of hyperoxia in chemodenervated decerebrate cats. 023473
Enhancement of susceptibility to experimental phycomycosis by agents producing **reticuloendothelial** *stimulation* [Mice, Absidia ramosa]. 024474
Ethylene as a *stimulator* of **ripening** for Vaccinium vitis-idaea. 027213
Influence of urethane and pentobarbitone on *stimulus* **secretion** coupling in the neurohypophysis [Rats]. 023518
Gas-liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, *food-stimulating* **solvents**, and other samples [Food packaging material]. 021913
Chymodein, a duodenal peptide: **specific** *stimulation* of chymotrypsinogen secretion [Rabbits]. 023202
Response of teat enzymes of sheep and cattle to *stimulation* by **stilboestrol** and oestrogenic subterranean clover. 024033
The nursing and suckling behaviour of pigs. IV. The effect of interrupting the **sucking** *stimulus*. 023343
New [pneumatic] tree facer for resin tapping using **sulfite-yeast** [as *stimulator*]. 025317
The release of pancreatic glucagon and inhibition of insulin in response to *stimulation* of the **sympathetic** innervation [Dogs, cats, sheep]. 023556
Sympathetic and **sympathomimetic** *stimulation* of parotid salivary secretion in sheep. 023553
Lipid mobilization in rabbits. I. Dexamethasone, TSH [**thyroid** *stimulating* hormone], and GH [growth hormone]. 023632
Visual *stimuli* eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) flies to [apple] trees. 028841
Stimulation in **vitro** by 1,25-dihydroxy-vitamin D3 of intestinal cell calcium uptake and calcium-bindng protein [Rats]. 022205

STIPULE
On the relationship between sheath lobes and *stipules* [**Plant** morphology]. 025958

STOCHASTIC
Using parametric models of runoff to improve parameter estimates for *stochastic* **models** [Water resource planning]. 030796
Stochastic **reservoir** models: relative computational effort. 030795
Stochastic-computerized-activity-budgeting for **sheep** enterprises [Farm management]. 021249

STOCK
Creation of millet **breeding** *stock* by chemical mutagenesis. 026139
Reproduction of potato **breeding** *stock* in the German Democratic Republic. 026311
A noteworthy **fruit** *stock* in Oenanthe [prolifera] (Umbelliferae) [Morphology]. 025951
Complete [chromosomal] **interchange** *stock* in pearlmillet. 026235
The pulping of woods with barks. I. The cleaning of **mixed** *stock*, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
Results and application of a survey of virus infection in **Narcissus** *stocks* in Scotland. 028194
Profitability of **nursery** *stock* in Boskoop during 1973/1974 [Costs, returns]. 021412
Portable oscilloscope technique for detecting dormancy in [forest] **nursery** *stock*. 027343
Overwintering structures in Connecticut for **nursery** *stock*. I. The plant response [Cold injuries]. 028352
Plans for a shielded herbicide applicator for Christmas trees and **nursery** *stock*. 030114
Intracutaneous test for determining swine brucellosis, a contribution for slaughter animal study in **original** *stocks*. 024727
Increasing the efficiency of growing **planting** *stock* in forest nurseries. 025208
On growing **planting** *stock* in the forest nurseries of Karelia [Silviculture]. 025211
A comparison between healthy and leafroll-affected grapevine **planting** *stocks*. 028216
Recommendation that farms use only healthy **planting** *stock* [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, Krasnodar Territory]. 028914
Four-year scheme for cultivation of seed **potato** *stock* [Costs]. 021399
Textural quality prediction of reheated frozen French friedpotatoes by objective testing of **raw** *stock*. 022938
Virus infection of potato **seed** *stocks* [by Myzus persicae] in Ontario under commercial insect-control practices. 028232
A **standard** *stock* of honeybees [Apis mellifera]. 029802
Literature and some experiences on the theme of utilization of **weak** *stocks* [Fruit culture]. 027837

STOICHIOMETRY
The influence of chromatin compactness on the *stoichiometry* of the **Feulgen-Schiff** procedure studies in model films. II. Investigations on films containing condensed or swollenchicken erythrocyte nuclei. 023528
The pyruvate-dehydrogenase complex from Azotobacter vinelandii. 3. *Stoichiometry* and **function** of the individual components. 022425

STOLBUR
Presence of helicoid shaped elements in the phloem of Vincarosea with *Stolbur* [**Mycoplasma**] disease. 028226

STOMACH
Effect of glucagon on myoelectrical and mechanical activity recorded from the isolated homologous perfused **canine** *stomach*. 023258
Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, ex-vivo-perfused, **canine** *stomach*. 023614
Stomach and upper **intestine** of the rat in the regulation of food intake. 023539
The mechanism controlling the crossing of the **vector's** *stomach* wall by microfilariae (Dipetalonema desae-Aedes aegypti). 029278

STOMATA
A relationship between *stomatal* **density** and growth potential in apple rootstocks. 027195
Stomatal **frequency** and distribution in rape. 025997
Interrelations between sulphur dioxide pollution and *stomatal* **movement** in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in air. 026700
Internal control of *stomatal* **physiology** and photosynthesis. II. Photosynthetic responses to phaseic acid [Grapes]. 027120

STOMATITIS
A comparative study of the surface projections of different strains of **vesicular** *stomatitis* virus. 024600

STOMOXYS
Biology, population dynamics, and host finding efficiency of Pachycrepoideus vindemiae in a box stall and a poultry house [Biological control of Musca domestica and *Stomoxys* **calcitrans**]. 029010

Compatibility of insecticides and a disinfectant *[Stomoxys* **calcitrans,** Musca domestica, Fannia canicularis, control]. 029024

STONEFLIES

Revision of the *stonefly* **family** Nemouridae (Plecoptera): a study of the world fauna at the generic level [New taxa]. 029699
Structure and function of the respiratory epithelium in the tracheal gills of *stonefly* **larvae** [Perla, Protonemura, Taeniopteryx]. 029419

STONES

Evidence of a [peach wart] virus disease causing **deformed** *stones* on the peach seedling GF 305. 028178
Norms of capital expenditures for the establishment of *stone* **fruit** orchards. 021451
The changing variety picture in *stone* **fruits.** 027794
The role of fungi of the genus Cytospora Fr. In the dieback of *stone* **fruits** in the Crimea. 028029
Studies on the toxicity of zinc sulphate and of cadmium sulphate to *stone* **loach** Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927
Fruit culture in the *stony* **soils** of Yucatan. 027796
[Using] alfalfa for the improvement of *stony* **soils.** 030256
Temperature distributions [in air-dry and moist soil] under *stones* **submitted** to a diurnal heat wave. 030346

STORAGE

Losses of wine during *storage* and **aging** under different climatic conditions. 022993
Changes of germinability of weed seeds during *storage* in **air-dry** condition. II. 028523
Simple ways of reducing odor during the *storage* and **application** of liquid manure to arable land. 030809
Air sample studies for measurement of pesticide contamination from *storage* **areas.** 029084
A note on transaminases in the ripening of **bananas** on *storage.* 027163
Storage **becomes** a marketing alternative. IV. [Soybeans]. 021639
Quality of pressed steaks from *stored* **[beef]** tenderloins. 022703
Bacterial contamination of **beet** *stored* in an atmosphere with carbon dioxide. 022714
Dispersal of Bacillus thuringiensis spores by nonsusceptible species of *stored-grain* **beetles.** 028975
Studies on the small size of grain dryer and *storage* **bin** for the farm. 030117
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and *storage* of **blood** [Veterinary hematology]. 024333
Annotated bibliography on *storage* of **brussels** sprouts, 19701974. 022966
Storage **building** for fruits. 029965
Pioneers of **bulk** *storage* of rice [Cooperatives]. 022795
Annotated bibliography on *storage* of **cabbage,** 1968-1974. 022968
Variation in susceptibility of *stored* **cabbage** tissues to infection by Botrytis cinerea. 027925
Control of rats in **cacao** *storehouses.* 022415
Carrot *storage* in rooms with artificially cooled air. 022955
Annotated bibliography on *storage* of **carrots,** 1970-1974. 022969
Annotated bibliography on the *storage* of **cauliflower** and broccoli, 1973-1974. 022962
Annotated bibliography on the *storage* of **celery,** 1970-1974. 022964
Manual on *storage* **centers** [Agricultural product distribution, marketing, Peru]. 021623
Prospects of mechanizing the after-harvest treatment and *storage* of **cereal** seeds. 027511
The trend is to the silo in **cereal** *storage.* 029929
The microbiology of *[stored]* **cereals** [Fungi, bacteria]. 022741
Storage **characteristics** of some vegetables and soft fruits. 022879
[Chilling] injury in fruit **[Citrus** *storage].* 022888
Studies on **cold** *storage* of mango fruits (Mangifera indica L. Cv. Langra). 022913
The influence of duration of warm, cold-dry and **cold-moist** *storage* on development and flowering of Freesia plants. 027090
Factors affecting taste in potatoes **[Composition,** *storage].* 022983
Metabolism of wine yeasts according to *storage* **conditions** [Fermentation]. 022994
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 2. Effect of age and *storage* **conditions** of virgin queens on their attractiveness to workers. 029803
Effect of geraniol on levels of volatile terpenoid compounds produced by apples during **cool** *storage* [Low temperature breakdown]. 022944
A new conveyor for **direct** *storage* of potatoes in bulk [EastGermany]. 030005
Resistance of Jonathan apples to fungal **diseases** in *storage.* 028021
Control of potato **diseases** during *storage.* 028388
The predominant role of calcium [in the tree metabolism] as an indicator in *storage* **disorders** in Cleopatra apples [Physiological diseases]. 028382
Bulk rice. Alternatives for harvesting, transport, **drying** and *storage.* 022794
Gladiolus corm curing and *storage* **environments** in relation to flower production. 027603
CO2 [carbon dioxide] *storage* in **Eucalyptus** oil glands: a hypothesis disproved. 027304
Design, construction and start-up of pilot malting, brewing, and *storage* **facilities.** 022545
On the conduct of *in-store* **field** experiments [Food marketing]. 021590
Food *storage* guide for schools and institutions. 022528
Solid waste management methods and costs in independent retail **food** *stores.* 030928
Carbohydrate changes in tulip bulbs during *storage* and **forcing.** 027071
The effects of autumn foliar urea sprays on *storage* **forms** of nitrogen extracted from bark and wood of apple shoots. 027204
Chemical, palatability and cooking characteristics of normal and low quality [pale, soft, exudative] pork loins as affected by **freezer** *storage.* 022674
Storage of **fresh** eggs under commercial and private conditions. 022722
Measuring changes that occur during **frozen** *storage* of fish: a review. 022502
The influence of **frozen** *storage* on the electrophoresis of serum protein in domestic animals. 023667
Flower-bud blasting in tulips [due to *storage* and **greenhouse** conditions]. 028302
Cost of *storing* and **handling** cotton at public storage facilities, 1972-73, with projections for 1974-75. 022759
Accident prevention devices for dropping outlets *[Storage* of **hay** and straw]. 030023
Changes in enzyme activity during the *storage* of **honey.** 022404
Handling and *storage* of **horticultural** produce in Kenya. 022863
Effect of **ice** *storage* on microbiological and chemical changes in shrimp and melting ice in a model system. 021922
Advice for the harvesting and *storage* of the most **important** apple and pear varieties for 1975/76. 022956
1975-1976 cereals: low collection, **increasing** *storage* capacity. 022756
Contact, residue, and vapor toxicity of new insecticides to *stored-product* **insects.** III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987
In-service *storing* of pesticides for agricultural enterprises. 029145
Pirimiphos-methyl as a protectant [from insect pests] for *stored* **inshell** almonds [Control effectiveness and residues]. 028982
Annotated bibliography on *storage* of **lettuce,** 1972-1974. 022967
Effect of fermentation, processing and *storage* on **lipid** composition of sauerkraut [Cabbage]. 022948
Effect of nutrient starvation on the utilization of *storage* **lipids** in Mortierella ramanniana [Fungi]. 028394
Stabilities of viruses following freezing and *storage* at **low** temperatures. 024534
Cell-free synthesis of the **major** *storage* protein of the bean, Phaseolus vulgaris L. 027262
Heritable variation in a polypeptide subunit of the **major** *storage* protein of the bean, Phaseolus vulgaris L. 027272
Preservation of *stored* **moist** maize-grain in a plastic enclosure, while waiting for drying. 023017
Bacterial infection/invasion in fish flesh [and post **mortem** *storage* properties of the fish]. 021931
Accumulation of *stored* **nutrients** in the grains of hexaploid triticale. 026137
Annotated bibliography on *storage* of **onions,** 1970-1974. 022965
Gas regime of industrial chips relative to change in quality and density during **open** *storage.* 025393
Quality characteristics of convenience chicken products as related to **packaging** and *storage.* 022727
The effect of some *storage* **parameters** on biochemical changes in [malting] barley grain. 022822
Gamma irradiation of adult Plodia interpunctella: Effects on mating, sterility, and number of progeny [in *stored* **peanuts** in Georgia]. 028969
Storing **[pearlmillet]** seeds for a century. 022738
Resistance of potato tubers during *storage* to **Pectobacterium** phytophthorum. 028141
Exposure of meat to methyl bromide during *refrigerated-store* **pest** control; residues in beef and lamb and effect on quality. 028985
Studies on the control of scald **[physiological** *storage* disease] of Holsteiner Cox apple variety. 022957
Volatile amine production in uncured **pork** during *storage.* 022690
Shrinkage during **potato** *storage* and its causes. 022868
Potato *storage* on the farm. 022897
Disinfection of **potato** *storage* places. 023007
Increase of NADase activity during *storage* of **pressed** baker's yeast [Saccharomyces cerevisiae]. 022369
Removal of sugar for *storage* and its **processing** at the Mironovka sugar factory in the 1972/73 production season. 022824
Towards the quantification of post-harvest loss in horticultural **produce** *[Storage].* 022865
Approaches to insect control based on chemical ecology—case studies [Callosobruchus chinensis, pests of *stored* **products].** 028976
Potential for control of Cadra cautella (Walker) by release of fully or partially sterile males *[Stored* **products,** pests]. 028978
Studies on groundnut proteins. IV. Effect of *storage* or **proteolysis** on the gel electrophoresis pattern of arachin. 022776
Cost of storing and handling cotton at **public** *storage* facilities, 1972-73, with projections for 1974-75. 022759
Storage of **queen** honeybees. 029754
Storage of **red** alder [Alnus rubra] chips with and without bark—treated and untreated. 025533
Harvesting and *storing* in **relation** to bitter pit [in apples]. 022864
Potato harvesting and *storage:* **results** and information on the operation of the E684 digger and loader and the E691 stationary automatic separator [East Germany]. 030009
Performance doors for *storage* **rooms.** 029924
Annotated bibliography on the *storage* of **root** vegetables (beetroot, parsnips, radishes, swedes, turnips), 1968-1974. 022963
Prophylaxis of *storage* **rot** [Sugarbeets]. 028115
Studies on quality control for Satuma mandarin oranges. I. On the classification method for *stored* **Satsuma** mandarin by sampling inspection. 021860
Techniques and problems in the *storage* of **Satsuma** orange. 4. Effect of temperature on its physiological deterioration and susceptibility to diseases. 028317
Storage of **seeds** [Grain]. 022797
Snowfall characteristics and **snowmelt** *storage* at Akron, Colorado. 030711
Catfish: composition, utilization, and *storage* **stability.** 022532
Cowpea powders dried with methionine: preparation, *storage* **stability,** organoleptic properties, nutritional quality. 022929
Exchange of experience and knowledge on problems of quality control in the *storage* and **supply** of potatoes. 022867
Persistence of tetracycline activity in medicated **syrup** *stored* in honeybee [Apis mellifera] colonies in late spring. 029822
Effects of gamma irradiation and *storage* **temperature** on carotenoids and ascorbic acid content of mangoes on ripening. 022949
The effect of *storage* **temperature** on carbohydrate interconversion in tulip bulbs. 027085
The influence of *storage* **temperature** and 2-chloroethylphosphonic acid (ethephon) on shoot elongation and flowering in tulips. 027091
Protein degradation studies in lucerne juice *[stored* at different **temperatures].** 022109
True knowledge comes from experiments: [an achuievement in long **term** *storage* of fermented feeds in China]. 023008
The effect of long **term** *storage* on the nutritive value of pollen for brood rearing of honeybees. 029724
Mortality of **three** *stored* product moths [Sitotroga cerealella, Cadra cautella, Plodia interpunctella] in atmospheres produced by an exothermic inert atmosphere generator. 028981
Storage **time** and fermentation temperature of grass silage as factors affecting its voluntary consumption by sheep. 023055
Studies on the *storage* of **Tongil** rice. 022814
Walnut harvest and preliminary **treatment** for *storage.* 022981
Effect of processing, distribution and *storage* on **Vibro** parahaemolyticus and bacterial counts of oysters (Crassostrea virginica). 021923
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on *[stored]* **wheat** [Insect pests, biological control]. 028984
Unusually severe granulation of **winter** *stores* caused by nectar from ivy, Hedera helix, in Ireland [Honey]. 022489
Occurrence of fungi of the genus Fusarium on fruits and vegetables during their **winter** *storing* in the Turkmen SSR. 027989

STORMS

Wind and *storm* **damages** to bird controlling nets [Viticulture]. 028436
Palynological determination of **dust** *storms* provenances in Israel. 025797
Storm **induced** relationships among chemical conditions and phytoplankton [Algae] in Saginaw Bay and western Lake Huron. 026805

STRAIGHTBRED *see* **BREEDING**

STRAIN

Effect of *strain* and **age** on the relationship of oviposition time to shell strength [Chickens]. 023339
Pupal pleomorphism in a *strain* of **Anopheles** albimanus from El Salvador. 029054
Studies on Japanese encephalitis live vaccine. II. Development of an attenuated strain of virus **(Anyang** *strain)* [isolated from new-born piglet]. 024692
Bark split disease of prune trees and its association with *strains* of **apple** chlorotic leaf spot [virus]. 028172
Studies on Japanese encephalitis live vaccine. II. Development of an **attenuated** *strain* of virus (Anyang strain) [isolated from new-born piglet]. 024692
Phage typing of Staphylococcus **aureus** *strains* isolated in Sweden from bovine milk. 021831
Studies on serological diagnosis of Korean cattle **Babesia** *strain* by the indirect fluorescent antibody test [Babesiosis]. 024695
Studies on propagation and cytopathogenicity of fowl pox virus **(Beaudette** *strain)* on chicken embryo fibroblasts. 024568
Stress-strain **behavior** of single grass stalks. 026988
Stress-strain **behaviour** of a saturated clay for states below the state boundary surface. 030361
The action of 2(alpha-hydroxybenzyl)-benzimidazole on 26 *strains* of **bovine** enteroviruses isolated in Algeria. 024406
Selection of chickens for a local **broilor** *strain* and the effect of heterosis on growth. 024189
The selection of Pleurotus ostreatus [mushrooms] *strains* **bysaw-dust** culture. 027765

Strain **changes** in populations of tobacco mosaic virus from tomato crops. 028218
A leaf mosaic in the Russian apple clone R 12 740-7A connected with a *strain* of **cherry** necrotic ringspot virus. 028166
Influence of *strain* of **chickens** on the immune response to vaccination against Marek's disease. 024457
Incidence of Clodipo-resistant **coccidial** *strains*. 024760
In vivo transfer of R factors between Escherichia **coli** *strains* inoculated into the rumen of sheep. 024605
Influence of high relative humidity on performance of *strains* of **commercial** broilers. 023094
Isolation and haploidization of heterozygous **diploid** *strains* in a species of Humicola [Soil fungi]. 026201
The antigen composition of proteins of Ustilago zeae (Beckm.) Ung. [Common smut of maize] *strains* that are **distinct** in nuclear ploidy and pathogenicity. 028025
Early body weight of **five** *strains* of White Leghorn [Chickens]. 023338
Beet armyworm [Spodoptera exiqua]: dosage-mortality studieson California and **Florida** *strains*. 028662
Studies of cytology and growth of different *strains* of **Fomes** annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development [Forest trees]. 027952
Influence of amino acids, thiourea and hydroquinone on cellulolytic activity in some Fusarium **[Fungi]** *strains*. 026322
The identification of equine **genital** *strains* of Klebsiella and Enterobacter species. 024512
The effect of various sources of carbon and nitrogen in an artificial nutrient medium on the sporulation of Rhizopus delemar (Boidin) Wehmer et **Hanzawa** *(strain* B) [Fungi]. 026680
Using the **HmL1** *strain* of Histomonas meleagridis in evaluating chemotherapeutants in chicks. 024453
Comparative genetics of yeast. XIV. Analysis of wine strains of Saccharomyces neutral to **killer** *strain* of type k2. 026284
Observations on "late onset disease" and tumor incidence in different *strains* of **laboratory** mice infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different *strains* of **laboratory** mice infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. 024802
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to aerosol vaccination of poultry with virus vaccine, **LaSotta** *strain*, against Newcastle disease. 024773
Preliminary vaccination trials with **Mathura** *strain* of infectious bronchitis virus of poultry. 024551
Synthesis of versicolorin A by a **mutant** *strain* of [the mold] Aspergillus parasiticus [Fungi] deficient in aflatoxin production [Heritability]. 026187
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in wild-type and **mutant** *strains*. 026200
A biochemical and serological study of *strains* of **Pasteurella** multocida associated with haemorrhagic septicaemia in cattle and buffaloes in Sri Lanka. 024499
Effect of light on egg-laying rate and mating speed in **phototactic** *strains* of Drosophila. 029456
Gene dosage effects in **polyploid** *strains* of Saccharomyces cerevisiae [Yeasts] containing gua-1 wild-type and mutant alleles. 026193
Long-term perservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by **Prague** *strain* of Rous sarcoma virus. 024524
A *strain* **producing** abundant brachypterous adults in Nilaparvata lugens (Homoptera: Delphacidae) [Rice pests]. 028721
Day-length during rearing and the subsequent egg production of *meat-strain* **pullets** [Chickens]. 023337
Characteristics and epidemiological scope of various **rabies** *strains* and serologically related viruses. 024700
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various *strains* of **sake** [rice beer] yeast [Saccharomyces cerevisiae]. 022778
Protection with some *strains* of **sarka** [plum pox] virus. 028193
The effect of caffeine on survival of UV-[ultra violet]-irradiated diploid yeast [Saccharomyces cerevisiae] *strains* of different **sensitivities.** 026227
Linkage of six genes in [the unicellular green alga] Chlamydomonas reinhardtii [Algae] and the construction of linkage **test** *strains*. 026195
Dilatancy of frozen soil and development of a *strain* **theory** or creep. 030208
Partial purification and serological relationship of **three** *strains* of bean yellow mosaic virus [Kidney beans, peas]. 028217
Accumulation of 4-aminobutyrate in Triflium subterraneum [subterranean clover] root nodules: effect of Rhizobium **trifolii** *strain* on aminotransferase activity. 026899
Homoeotic effect of the tumorous-head mutant and differential effect of an enhancer gene in the **tumorous-head** *strain* of Drosophila melanogaster. 029292
Immunological relationships between **two** *strains* of mucosal disease/virus diarrhea virus [Calves]. 024410
Genetic analysis of resistance to DDT, methoxychlor and fenitrothion in **two** *strains* of housefly (Musca domestica). 028971
Variation among *strains* of **type** A foot-and-mouth disease virus in the Eastern Mediterranean region 1964-1972. 024606
Vaccine *strain* 19: its problems in animals [cattle] and man [Brucella abortus]. 024529
Strain **variations** among Fomes durissimus Lloyd [Swietenia mahogani, Casuarina equistetifolia, Mimusops elengi, India] attacking different host wood. 027887
A comparative study of the surface projections of different *strains* of **vesicular** stomatitis virus. 024600
A microtiter complement-fixation test for detecting and differentiating Newcastle disease **virus** *strains*. 024434
Further studies of foot-and-mouth disease **virus** *strains* under type group (A) by complement fixation test in Iran [Cattle]. 024548
Comparative genetics of yeast. XIV. Analysis of **wine** *strains* of Saccharomyces neutral to killer strain of type k2. 026284

STRAMONIUM

Efficiency changes due to use of doubled-haploids in recurrent selection methods **[Datura** *stramonium].* 026302

STRAND

Induction of **DNA** *double-strand* breaks by X-rays in a radiosensitive stain of the yeast Saccharomyces cerevisiae. 026224
Naturally **occurring** *double-stranded* RNA and immune responses. III. Immunogenicity and antigenicity in animals. 024533
Accumulation of an adcrusting substance in the **pigment** *strand* of a diploid and a tetraploid wheat. 026922
Accumulation of an adcrusting substance in the **pigment** *strand* of a diploid and a tetraploid wheat. 026923
Strand-selective **transcription** of globin genes in rabbit erythroid cells and chromatin. 023623
An ecological study on the *strand* **vegetation** of the Orissa Coast. 025905

STRATEGY

Ragwort [Senecio jacobaea] control in grassland—an **alternative** *strategy*. 028486
Planning the **dairy** *strategy*. 021251
Suggestions for a *strategy* of **development** of arid pastoral and desert zones of Tunisia. 030598
A **possible** *strategy* of comparative morphology for phylogenetic reconstruction [Plants]. 025614

STRATIFICATION

Analysis of litterfall in a deciduous forest on Walker Branch Watershed, Tennessee: **data** *stratification* by two alternative methods. 030179
Ruralism as a way of **life?** *Stratification* and voluntary associations in a Tuscan village. 021146
Water flow through a **multilayer** *stratified* hillside. 030797

STRATIOMYIDAE

A preliminary review of the *Stratiomyidae* of **Chile.** II. [New taxa]. 029629

STRAW

Tomatoes on *straw* **bales** in unheated greenhouses [Yields]. 027791
Feeding **grass** *straws* to wintering cows. 023863
Accident prevention devices for dropping outlets [Storage of **hay** and *straw].* 030023
Large bales, **heaped** *straw* with future [Equipment]. 030031
The effect of slurry nitrogen in dependence on application date, *straw* **manuring** and catch-crop growing under different local conditions. 030419
Use of *straw* for a **potential** slow-release nitrogen source for rice. 030456
The use of **processed** *straw* in rations for ruminants. 023853
Technical solutions for **processing** *straw* and other dry fodders into pelleted, partially finished feeds. 023009
Supplement of **rice** *straw* for sheep with kenaf leaf [Hibicussabdariffa] or alfalfa meal. 023844
Utilization of **rice** *straw* by water buffalo when supplemented with molasses and urea. 023847
Behavior of phenolic substances in the decaying process of plants. II. Changes of phenolic substances in the decaying process of **rice** *straw* under various conditions. 027048
Moisture absorption, mold growth, and decomposition of **rice** *straw* [lying on or above the soil surface in the field] at different relative humidities [Crop residues]. 030176
Influence of temperature on the kinetics of **rice** *straw* decomposition in soils. 030340
Behavior of phenolic substances in the decaying process of plants. III. Degradation pathway of phenolic acids **[Rice** *straw].* 030351
The influence of agrochemical compounds and water supply on the breakdown of [wheat] *straw* in **soil.** 030390
Straw: from **trash** to productive feed. 023056
Digestibility of grain sorghum stover and **wheat** *straw* supplemented with NPN [non-protein nitrogen, cattle]. 023857
Evaluation of **wheat** *straw* in feeder lamb rations. 023862
Characterization of bound residues of [the selective herbicide] nitrofen in rice and **wheat** *straw.* 029106
Rotary cultivator for **working** with *straw.* 030035

STRAWBERRIES

Duration of effects of benomyl on growth and wilt (Verticillium dahliae) development in the *strawberry,* cv. **Cambridge** Vigour, in relation to time of inoculation. 027896
The phenolics of fruits. V. The phenolics of *strawberries* and their **changes** during development and ripeness of the fruits. 023005
New [fungus] diseases of *strawberry* in **Chile.** 028095
Fruiting problems of fruit trees. 25. [Grapes, *strawberries,* **citrus].** 027101
Annual or plurennial *[strawberry]* **crops.** 027738
Effects of plant spacing on performance of the *strawberry* **cultivar** Bounty. 027724
Strawberries **[Culture].** 027737
'Comet,' an **early** *strawberry* [variety] for Arkansas. 027713
The starch content of chloroplasts in fruit-bearing and nonfruit-bearing **eggplants** and *strawberries.* 027116
Florida Belle—a bigger and better *strawberry* for **Florida** [Varieties]. 027846
Studies on strawberry virus diseases [transmitted by Chaetosiphon minor]: degeneration of *strawberry* in **Hokkaido.** 028273
An estimate of the variability of the yield of **individual** *strawberry* plants and its significance for a breeding programme. 026202
Effect of short duration chilling on the performance of *strawberry* **[Injuries].** 028374
The *strawberry* in **Ontario** [Varieties, culture]. 027821
Synthesis of dihydro-2,3 hydroxy-5 [4H] pyrones-4, a new analogue of dihydromaltol *[Strawberries,* **pineapples].** 027296
Frequency of occurrence of winter injury to forage legume, winter cereal and *strawberry* **plants** in Prince Edward Island, 1901-1975. 028346
The study of covering date by vinyl **tunnel** for *strawberry.* 027825
Strawberry-raspberry-grape **varieties** for Minnesota. 027732
Studies on *strawberry* **virus** diseases [transmitted by Chaetosiphon minor]: degeneration of strawberry in Hokkaido. 028273

STREAK

Cytology of **carnation** *streak* virus infection [isolated from Silene armeria]. 028225
Inclusions in mesophyll cells induced by a virus causing **chlorotic** *streaks* on leaves of Allium porrum L. [Leeks]. 028254
Influence of sowing dates, soil amendments, and cultivars on wheat **spindle** *streak* mosaic in winter wheat. 028231
Wheat **spindle** *streak* mosaic virus in Kentucky. 028270
Relation between ectodesmata and infection of wheat leaves by **wheat** *streak* mosaic virus. 028163

STREAM

Oversnow runoff events **affect** *streamflow* and water quality. 030703
Streamflow **chemistry** and nutrient yields from upland-peatland watersheds in Minnesota. 025022
Evaluation of a model for simulating **continuous** *streamflow* from small watersheds. 030726
Frequency analysis of cyclic phenomena in **flowing** *streams* [to monitor concentrations of nutrients, including various species of carbon, nitrogen, and phosphorus]. 030856
The drift of aquatic and terrestrial invertebrates in a *stream* of the **Massif** Central, Couze Pavin [Includes insects]. 029224
Moisture *stream* application for comparison of agricultural drum driers of fodder. 023074
Modeling the effect of waste discharges in a small **mountain** *stream* [Water quality control]. 030818
Quantitative aspects of Simulium virgatum Coq. And Simulium species life history in a southern **Oklahoma** *stream.* 029222
Effect of heated water of thermal electric power plants on the oxygen **regime** of a *stream.* 030760
Streamflow **response** to forest cutting and revegetation [Forested watersheds]. 025070
The 1973 Mississippi River basin flood: compilation and analyses of meteorologic, *streamflow,* and **sediment** data. 030697
Classification of *stream* **water** according to degree of pollution on the basis of microbiological indices. 030979

STREPSIPTERA

Flies of the Senckenberg Museum. III. Pseudoxenos ropalidiae n. sp. **(Insecta:** *Strepsiptera).* 029690

STREPTOCARPUS

Cuttings from the phyllomorph of *Streptocarpus* **wendlandii** Sprenger [Growth]. 027069

STREPTOCOCCUS

The effectiveness of certain commercial bacteriophage inhibiting media *[Streptococcus,* **dairy** product starters, cultures, contamination]. 022640
Lysozymelike lytic enzyme of *Streptococcus* **faecalis** and itsrole in the larval development of wax moth, Galleria mellonella. 029426
Attempts at treatment of metritis in the mare by chloramine T solution. 2. *Streptococcal* **metritis.** 024702

A rapid test for the identification of *enterococci* [**Milk** contamination]. 021944

STREPTOMYCES
Isolation and identification of jinggangmycins [from *Streptomyces* **hygroscopicus** against Pellicularia of rice]. 027885
Effect of a new antiviral substance produced by *Streptomyces* **rameus** on plant virus infection, its foliar absorption andproperties [Tobacco]. 028237
Peptide hydrogen exchange rates in *Streptomyces* **subtilisin** inhibitor. A study by proton magnetic resonance [Yeasts]. 026411

STREPTOMYCETACEAE
Interaction between Ornitocheyletia hallae Smiley 1970 (Acarina, Cheyletiellidae) and Micromonosora chalcea (Foulerton 1905) Orskov 1923 *(Streptomycetaceae,* **Actinomycetales)** in the skin of pigeon. 028989

STREPTOMYCIN
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by *streptomycin.* I. **Effect** of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837

STRESS
Stress-strain **behavior** of single grass stalks. 026988
Stress-strain **behaviour** of a saturated clay for states below the state boundary surface. 030361
One-dimensional volume change characteristics of sands under very low **confining** *stresses.* 030360
On calculating the *stresses* and **deformations** in non-homogeneous material of woody plants. 025399
The response of pigs to **heat** *stress* at 50 and 100 kilograms. 024895
Determination of the sum of **main** *stresses* on the surface of photoelastimetric layer by measurement of transversal deformation [Equipment]. 029992
The structures of some *stress* **metabolites** from Solanum melongena [Eggplants]. 027156
Phosphorus uptake by soybeans as influenced by [soil] **moisture** *stress* in the fertilized zone. 026891
The effect of ACTH [corticotropin] on glucocorticoids in stress-susceptible and *stress-resistant* **pigs.** 024894
New Soviet **plan** *stresses* slower livestock gains [Production]. 021548
Tensiometric measurement of *stress* on the **plough** column under static and dynamic conditions. 030002
Histochemical and palatability properties of muscle longissimus from stress-resistant and *stress-susceptible* **porcine** animals. 023455
Stress and its **relation** to the ecosystem. 025906
The disruptive **shear** *stress* of pulp networks. 025493
Influence of degree of **shear** *stress* reversal on the liquefaction potential of saturated sand. 030356
Short-term *stress* effects on swine reproduction. 024989
Effect of **social** *stress* and inherited plasma corticosterone levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. 029031
Stress on **spermiogenesis** of bulls. 024217
Stress of **spring** barley internodes on tension. 026881
The effect of ACTH [corticotropin] on glucocorticoids in *stress-susceptible* and **stress-resistant** pigs. 024894
Histochemical and palatability properties of muscle longissimus from *stress-resistant* and **stress-susceptible** porcine animals. 023455
Cyclic AMP [adenosine monophosphate] in longissimus muscle from control and *stress* **susceptible** pigs. 022675
Physiological temperature response and embryonic mortality in *stressed* **swine.** 023224
Effect of ameliorating summer **temperature** *stress* on some blood constituents of Large White Yorkshire weaners [Sheep]. 023442
Prenatal effects of elymoclavine [produced by Claviceps purpurea] administration and **temperature** *stress* [Mice abnormalities]. 024859
Effect of protein concentration in the diet on blood composition and productivity of lactating Holstein cows under **thermal** *stress.* 023750
Studies on off-the-road locomotion. Estimation of **vertical** *stresses* in the layer of paddy field soil. 030174
Summer grazing performance of cattle as influenced by **water** *stress* & trailing. 023146
Perspectives in the hormone physiology of tropical crops. Responses to **water** *stress.* 026315
Influence of **water** *stress* on water relations and growth of a tropical (C4 [carbon]) grass, Panicum maximum var. trichoglume. 026902
Germination, seedling growth and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) induced **water** *stress.* 026906
Leaf **water** *stress* in Engelmann spruce [Picea engelmannii]: Influence of the root and shoot environments. 027336

STRIATELLUS
Laodelphax *striatellus* as a vector of two cereal viruses in Italy. 028697

STRIATION
Compositional studies of myofibrils from a **rabbit** *striated* muscle. 023492

STRIDULATION
An SEM [scanning electron microscope] study of *stridulatory* **structures** of a grasshopper [Paktia gardezae] from Afghanistan. 029212
Sound production by nearctic wolf spiders [Lycosa and Schizocosa]: a **substratum-coupled** *stridulatory* mechanism. 029490

STRIP
Adenosine and diphyridamole actions and interactions on isolated coronary **artery** *strips* of cattle. 023319

STROMA
The morphology of spontaneous pulmonary adenomatosis in sheep. I. Histological findings on the **tumour** *stroma.* 024936

STRONGYLIDAE
Evaluation of pyrantel pamoate [anthelmintic] against *strongyles* in **horses.** 024705
The pathogenesis and control of *strongyle* **[Strongylus** vulgaris] infection in the horse. 024617

STRONGYLUS
Immunity to *'Strongylus* **vulgaris'** in the horse. 024511
Mesenteric thrombosis [Horses, *Strongylus* **vulgaris].** 024615
The pathogenesis and control of strongyle *[Strongylus* **vulgaris]** infection in the horse. 024617

STRONTIUM
Long-lived radionuclides in food: 90Sr and 137Cs *[strontium* and **cesium** isotopes] in the Israel diet. 021875
Ion exchange removal of carbonates from saline calcareous soils prior to determination of cation-exchange capacity using 89Sr++ *[strontium* **ions].** 030341
Adrenergic drug-receptor interaction in the presence of *strontium* **(Sr++)** in mammalian myocardium [Rabbits]. 023254
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, *strontium,* **yttrium,** zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200

STROPHANTHIDIN
Spectrophotometric method of analyzing [Digitalis] cardenolides of the *strophanthidin* **group** with 2,2',4,4'-tetranitrobiphenyl. 026497

STRUMETA
Identification of a fruit fly [**Dacus** *(Strumeta)* cacuminatus] attractant in an Australian plant, Zieria smithii, as O-methyl eugenol. 026639

STRYCHNOS
Desacetylretuline isolated from *Strychnos* **variabilis.** 026732

STUBBLE
Investigations on the effects of *stubble* and **catch** crop treatments on physical soil properties and yields in a sugarbeet rotation on a Pseudogley-Parabrown soil. 030257
Harvesting dates for *stubble* **residues** of meadow grass seed plants [Festuca, Bromus]. 027559

STUDENTS
The Cornell Diagnostic Observation and Reporting System for *Student* **Description** of College Teaching [in agriculture]. 021141
Report of the *student* **excursion** to the southwestern part of the Netherlands, 2-6 June 1975 [Horticulture]. 027745
Problem: how to **generate** *student* enthusiasm; solution: spiders, gondolas & spray paint. 022240
A view on some points of **Italian** *students* of biogeography expressed by C. Baroni Urbani [on the ants of the Pontian Islands]. 029360
Telling the story of animal science to the *student* **[Livestock** husbandry]. 023126
The *student* **market.** 022253
Students' **opinion** on merits and demerits of the new system of education introduced in agricultural universities. 021113
The scientific-educational activity of the **Polish** *students* on behalf of environmental conservation. 030839
Student-run **restaurant** serves main course of foodservice training. 022287

STUMP
Determination of resin content of fresh **pine** *stumps* on the basis of one cross-cut. 025303
Stump **sprout** growth and quality of several Appalachian hardwood species after clearcutting. 025262
The content of colophony in fresh [pine] *stump* **wood.** 025340

STUNT
Differences between twisted leaf and tomato **bushy** *stunt* virus in sweet cherry. 028176
Pathogenicity of the **corn** *stunt* agent to an insect vector, Dalbulus elimatus. 028758
The nature of the infectious agent of **tobacco** *stunt* [virus] in relation to its [fungus] vector, Olpidium brassicae. 027983
Host range and properties of **tobacco** *stunt* virus. 028229
Acquisition and loss of the **tobacco** *stunt* pathogen by Olpidium brassicae [fungus vector] and transmission by sap inoculation. 028236

STYLIDIUM
Anatomy and movement of the **column** in *Stylidium.* 025946

SUAEDA
Suaeda **monoica,** a C4 [carbon fixation pathway] plant without typical bundle sheaths. 026793

SUBALPINE
Subalpine and **alpine** plant communities on the island of Pico (Azores). 025876
Decomposition of litter on forest floor. III. Decomposition of woods in *subalpine* **forest.** 030249

SUBARCTIC *see* ARCTIC

SUBCELLULAR *see* CELLS

SUBCHLOROPLAST *see* CHLOROPLASTS

SUBCUTANEOUS
The immune response of rats to *subcutaneous* **implantation** with Fasciola hepatica. 024481
Subcutaneous **injections** of raw egg white into growing pigs [Nutrition]. 023901

SUBHUMAN *see* HUMAN

SUBLIMATION
Possibilities of direct **surface** *sublimation* in freeze drying. 022459

SUBMANDIBULAR *see* MANDIBLES

SUBMERGENCE
Selective *submerged* productions of three types of glucoamylases by a Black-koji mold [Aspergillus awamori]. 026348
Corn yield and nutrient uptake as affected by water-table depth and **soil** *submergence.* 026889
Effect of *submergence* [of the **soil]** on bearing capacity. 030354
Submerged **vegetation** of the Rotorua and Waikato Lakes. 3. Lake Rerewhakaiitu. 025900
Submerged **weed** [Lagarosiphon major] control by lake lowering. 028570

SUBMONTANE
The evaluation of ecological factors in growing Jerusalem artichokes in *submontane* and **montane** regions. 027654

SUBSTERILIZING *see* STERILITY

SUBSTITUTION
Synthesis and flavor properties of some *alkyl-substituted* **alpha-pyrone** derivatives [Food flavorings]. 022116
Genetic analysis of time to ear emergence in hexaploid wheat, Triticum aestivum, using intervarietal **chromosome** *substitution* lines. 026122
Investigations on coffee and **coffee** *substitutes.* XVII. Behaviour of polysaccharide-complexes of Robusta coffee during roasting. 022552
The effect of gene dispersal on the dynamics and statics of **gene** *substitution* in plants. 026161
Endosperm abnormalities in Triticum-Secale combinations. II. Addition and *substitution* **lines.** 026109
A **methionine** *substitute:* 4-methylthiobutane-1,2-diol [Nutritive value, chicks]. 023747
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding **milk** *substitute* and calf starter to early weaning and suckling calves for growing and fattening. 023881
Substitutes? **Overcoming** competition! [Pecans, marketing]. 021606
Note on the rubidium as a *substitute* for **potassium** in barley crop [Fertilizers]. 030469
Cutting and cropping in artificial media [Horticultural plants, potting **soil** *substitutes].* 027596
Heating soils, soil mixes, and **soil** *substitutes* with saturated air [Control of pathogenic organisms in greenhouse and mushroom culture]. 028339
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and *freeze-substituting* **techniques** in determining the in vivo condition of the plasmodesmata [Algae]. 026439
Synthesis and anticytokinin activity of *4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines* **[Tobacco].** 027012

SUBSTRATE
A multiple inoculation technique for the screening of fungal isolates for the evaluation of growth and mycotoxin production on **agar** *substrates* [Feeds]. 023046
Production of flavor volatiles in enzyme and *substrate* **enriched** peanut homogenates. 022785
Peat, [Pseudotsuga menziesii] bark and sawdust mixtures **fornursery** *substrates.* 030403
The use of decomposed pine bark [waste] as a *substrate* for **growing** Gerbera. 030406
Fertilizing and liming—factors influencing uptake of trace elements by ornamental plants grown in **peat** *substrate.* 027075
Micronutrient requirements of chrysanthemums grown on **peat** *substrates.* 027079

Analytical methods for **peat** *substrates* [used in growing of horticultural plants]. 027589
Growing [glasshouse] tomatoes in **peat** *substrates*. 027606
Peat *substrate* as a growing medium for cucumbers. 027622
Flower crops in **peat** *substrates*. 030399
Use of slow-release fertilizers in **peat** *substrates* [for growing horticultural crops]. 030408
Nutrition of greenhouse cucumbers on **peat** *substrates* [Mineral fertilizers]. 030489
Potting *substrates* in the Netherlands [Composts with peat]. 030405
Improvement of *substrate* **preparation** from peat hydrolyzates [for growing feed yeasts]. 023032
Kinetic studies of leucyl transfer RNA synthetase from Bakers' yeast: Order of addition of *substrates* and **release** of products. 026628
Germinating capacity of some maize open pollinated varieties, inbreds, hybrids, synthetics and composites in **saline** *substrate*. 026965
Primary production and *substrate* **selective** properties of selected maine salt marsh plants. 026432
Determination of hull percentage of rapeseed by germinating it on a **solid** *substrate*. 022830
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: tissue and *substrate* **specificities,** and responses to chemical inhibitors. 027053
Sound production by nearctic wolf spiders [Lycosa and Schizocosa]: a *substratum-coupled* **stridulatory** mechanism. 029490

SUBSURFACE *see* SURFACE

SUBTERRANEAN
Translocation of boron to plant fruits [Peanuts, *subterranean* **clover**]. 026389
Vernalization as a factor influencing the rate of development in *subterranean* **clover** (Trifolium subterraneum L.) [Cultivars]. 026898
Accumulation of 4-aminobutyrate in Triflium subterraneum *[subterranean* **clover**] root nodules: effect of Rhizobium trifolii strain on aminotransferase activity. 026899
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of *subterranean* **clover** (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
Experience in mathematical representation of fluctuations of *subterranean* **flow** into rivers in the northwest part of the European Territory of the USSR (ETU). 030765
Development of *subterranean* **heating** and warm water utilization for horticulture. 029901
Response of teat enzymes of sheep and cattle to stimulation by stilboestrol and **oestrogenic** *subterranean* clover. 024033
Accumulation of 4-aminobutyrate in **Triflium** *subterraneum* [subterranean clover] root nodules: effect of Rhizobium trifolii strain on aminotransferase activity. 026899
Vernalization as a factor influencing the rate of development in subterranean clover (**Trifolium** *subterraneum* L.) [Cultivars]. 026898
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean clover (**Trifolium** *subterraneum* L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496

SUBTILISINS
Limited proteolysis of yeast phosphofructokinase by *subtilisin:* **Alterations** in enzyme activity, subunit composition, and hydrodynamic properties. 026553
Peptide hydrogen exchange rates in **Streptomyces** *subtilisin* inhibitor. A study by proton magnetic resonance [Yeasts]. 026411

SUBTROPICAL
The use of progestogens in cattle under tropical or *subtropical* **conditions.** 024005
A universal sprayer based on the system of the Colchis complex agricultural experimental station of the All-Union Research Institute of Tea and *Subtropical* **Crops.** 030129
Studies on the juice qualities of *subtropical* **fruits.** I. Seasonal changes of organic acids, sugars and volatile components in Ponkan and Tankan [Citrus]. 022883
The greenhouses [for tropical and *subtropical* **plants**] at Talbot manor [England]. 027770
Agroclimatic characteristics of 1973-1974 winter and the 1974 growing period in the *subtropical* **regions** of West Georgia [USSR]. 021150
Correct calculation of the effectiveness of fixed capital [in collective farms of the *subtropical* **zone**]. 021442

SUBUNITS *see* UNITS

SUBURBS
Industrial dust and the viability of pines in *suburban* **forests** of Leningrad [Air pollution, forest damage]. 025035

SUCCINYL
Succinyl-CoA **synthestase** in greening maize leaves. 027011

SUCCULENTS
Cultivation of *succulents*. 027718
Some **endangered** *succulents* of the Transvaal. 025692
Study of the pollen in less *succulent* **Mesembryanthemaceae** [Taxonomy, anatomy]. 025652

SUCKING
Evaluation of some insecticidal combination against *sucking* **pests** [aphids, mites] of cotton through aerial spraying. 028718
The nursing and suckling behaviour of pigs. IV. The effect of interrupting the *sucking* **stimulus.** 023343

SUCKLING
The nursing and *suckling* **behaviour** of pigs. IV. The effect of interrupting the sucking stimulus. 023343
Effect of ralgro on weight gains of *suckling* **calves** [Growth]. 023647
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and calf starter to early weaning and *suckling* **calves** for growing and fattening. 023881
Biochemical studies of the "collapse syndrome" in *suckled* **calves.** 024912
Teaching sheep and *suckler* **cow** management at Greenmount. 023089
Conception rates in *suckler* **herds.** [Cattle]. 023972
Some observations on the possible nutritional significance of vitamin B12-and folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by *suckling* **piglets.** 023705
Suckling-mouse-brain **rabies** vaccine (SMBV): duration of immunity in dogs. 024781

SUCROSE
The determination of *sucrose* in **cane** final molasses. 022854
Time-course of 14C **[carbon** *isotope]-sucrose* translocation by successive leaves of Hibiscus esculentus L. (Okra). 027130
Distribution volumes of [131I] [iodine isotope] albumin, [14C] [carbon isotope] *sucrose*, and **36Cl** [chlorine isotope] in sheep lung. 023460
The practice of the direct isotopic dilution method of determining the *sucrose* **content** in sugarbeet digestion liquids. 022857
On the specificity of *sucrose* for the **growth** of excised tomato roots. 027154
Effect of **maternal** *sucrose* intake on the metabolic patterns of mature rat progeny. 021998
Effect of *sucrose* on **recovery** of serum albumin concentrations of proteins deficient rats to normal. 022180
Plasma carbohydrate, insulin and hepatic enzyme levels in rats **refed** *sucrose*. 022184
Influence of different *sucrose* **syrup** concentrations and presence of species members on the foraging behaviour of wasps (Hymenoptera: Vespidae). 029338

SUCTION
Correlation of specific surface area of soils according to the BET theory with cation exchange capacity, water content at the *suction* of 15 **atmosphere** pressure. 030378
The sensitivity of two arable lands to compaction; a contribution to the behavior of soils under a vertical load in a range of **soil** *suction* up to pF 2.7. 030260

SUGAR
The integrated research advisory and extension service of the South **African** *Sugar* Association's Experiment Station. 022816
Stereochemistry of sugar and *sugar* **alcohols** in regard to its biochemical and physiological-chemical importance [Nutrition]. 022174
Death rates of bacterial spores [isolated from *sugar-cane* **bagasse**]: nonlinear survivor curves [Bacillus cereus]. 021863
Analysis of work of the sugar factories of the Latvian SSR in the processing of raw **cane** *sugar* in 1974 [Productive capacity]. 021800
Some results of reception of sugarbeets according to *sugar* **content** at the Karabaltinsk sugar factor. 022825
The water **content** of *sugar*. 022861
Fluidation of **crystal** *sugar*. VIII. Loosening rate. 022851
Analysis of the rheological measuring methods for the regulation of the *sugar* **crystallization** process. 022858
Effect of *sugar* in **dairy** products. 022570
Nutritional and medical evaluation of *sugar* **exchange** materials in oral and parenteral application. 022173
Analysis of work of the *sugar* **factories** of the Latvian SSR in the processing of raw cane sugar in 1974 [Productive capacity]. 021800
Comparative studies on the photosynthesis of higher plants. V. Differences in the rate of *sugar* **formation** from radioactive compounds among C4 [acid decarbonylation]-plants. 026833
Sugar market policy from the point of view of **German** *sugar* commerce. 021655
Sugar market policy from the view of the **German** *sugar* trade. 021656
Some thoughts concerning the West **German** *sugar* industry. Structure and time-series in statistics and graphics. 021821
Determination of *sugar*, **glycerol** and ethanol in wine by means of high-pressure liquid chromatography. 022892
Subvention of *sugar* for **honey** bees as a European marketing problem. 021634
Investigation of the question of juice coloration in *sugar* **house** operations. 022860
Considerations on the supply crisis of 1974/75 *[Sugar* **industry**]. 021654
Views in a time of crisis *[Sugar* **industry,** marketing]. 021657
The *sugar* **industry** today and tomorrow. 021766
Long-distance transfer of data and mechanized data processing in *sugar* **industry.** 022757
Basic demands on sugarbeets as a raw material for the *sugar* **industry.** 027534
Level of wastewater technology in the *sugar* **industry** and wastewater legislation. 030989
Protracted and low load biological processes *[Sugar* **industry** effluents]. 030990
The BMA Zsigmond Gryllus method, a new method of deliming thin *[sugar]* **juice.** 1. Fundamental problems regarding thin juice deliming. 022852
The BMA Zsigmond Gryllus method, a new method of deliming thin *[sugar]* **juice.** 2. Half-industrial and factory tests. 022853
Some results of reception of sugarbeets according to sugar content at the **Karabaltinsk** *sugar* factor. 022825
Concentration and transport of different *sugars* in the **lymph** of the thoracic duct and in blood of the portal vein in dogs after enteral and parenteral administration. 023388
Improvement of filtration of juice of first saturation *[Sugar* **manufacture**]. 022823
Uniform method for **manufacturing** *sugar* oxime silyl derivatives for gas chromatographic analysis. 022748
Leaf surface effects of environmental pollution on *sugar* **maple** (Acer saccharum) in Montreal. 030820
Sugar **market** policy from the point of view of German sugar commerce. 021655
Sugar **market** policy from the view of the German sugar trade. 021656
Germination, seedling growth and *sugar* **metabolism** of two species of Brassica under polyethylene glycol (PEG) induced water stress. 026906
Removal of sugar for storage and its processing at the **Mironovka** *sugar* factory in the 1972/73 production season. 022824
Sugar, **new** king of the export market. 021631
Odessa *sugar* refining factory obtains new records [Five-Year Plan]. 021801
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from tomatoes, cucumber, *sugar-maize* and **onions.** 023003
Population parameters of some agronomic characters of [sugarcane] clones in the germplasm collection of La granja Experiment Station, **Philippine** *Sugar* Institute. 026295
Evaluating the nutritive value of feeds for *sugar-protein* **ratios.** 023937
Structural functions of taste in the *sugar* **series:** binding characteristics of disaccharides [Food products]. 022512
An apparent relationship of **soluble** *sugars* with hardiness in winter wheat varieties. 026925
An apparent relationship of **soluble** *sugars* with hardiness in winter wheat varieties. 026926
Removal of *sugar* for **storage** and its processing at the Mironovka sugar factory in the 1972/73 production season. 022824
Stereochemistry of *sugar* and **sugar** alcohols in regard to its biochemical and physiological-chemical importance [Nutrition]. 022174
Studies on the simplification of quality evaluation of Satsuma mandarin. II. Relation between refractometer value and **total** *sugar* contents in Satsuma orange juice. 022884
Regulation of *sugar* **transport** in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
Improvement of beet quality in the region of the **Tulln** *sugar* factory (Austria) [Fertilization]. 030579
Selective inhibition of the facilitated mode of *sugar* **uptake** by cytochalasin B in cultured chick fibroblasts. 023401
Studies on the juice qualities of subtropical fruits. I. Seasonal changes of organic acids, *sugars* and **volatile** components in Ponkan and Tankan [Citrus]. 022883
Enzymatic improvement of date quality. Use of invertase to improve texture and appearance of *"sugar* **wall"** dates. 022950
On the conditioning of **white** *sugar* silos. 029985
Record '76 output should help stabilize **world** *sugar* trade. 021558
Record **world** *sugar* and molasses production in 1975/76. 021642

SUGARBEETS
Powdery mildew [Erysiphe **betae**] of *sugarbeets*. 027941
Biological treatment of **concentrated** *sugarbeet* wastes. 030871
Use of aircraft for weed **control** in *sugarbeets*. 028632
The influence of adding sulphurous acid and calcium bisulphite during the extraction of *sugarbeet* **cossettes** on the amount of pulp. 022855
Balance of soil moisture in *grain-sugarbeet* **crop** rotation. 030383
Weed control trials in *sugarbeet* **crops** with isocarbomide and its combination with lenacyl. Results of 4-year experiments. 028512
Everything's almost perfect with single rows *[Sugarbeet* **cultivation**]. 027451
New techniques for *sugarbeet* **cultivation.** 027548
Minimum cultivation of soil from the viewpoint of crop rotation productivity and economics *[Sugarbeet* **culture**]. 027547
Experiences gained in current year's weed control in *sugarbeet* **culture** [Austria]. 028534
The practice of the direct isotopic dilution method of determining the sucrose content in *sugarbeet* **digestion** liquids. 022857
Complex protection of *sugarbeets* [against **diseases** and pests]. 028461
Collaborative study on the determination of trace elements in **dried** *sugarbeet* pulp and molasses. 1. Mercury. 022859

Summer sowings of mother [plantations] of *sugarbeets* as a **factor** of increasing the quality of polyploid seeds. 027514
Virus yellows control accessible to every **farm** *[Sugarbeets].* 028289
Application of magnesium **fertilizers** [in *sugarbeets].* 030546
Homegrown and **foreign-grown** *sugarbeet* varieties in the experiments of the Central Agricultural Control and Testing Institute in the Period from 1970 to 1973. 027540
Moisture supply and yield of *sugarbeets* in various **groups** of rotated crops. 027560
Studies on the use of herbicides in *sugarbeet* **growing** as combined with several agrotechnical measures for better crop emergence. 028493
More "phases", more losses? *[Sugarbeet* **harvesting,** equipment]. 030032
Cycloate and phenmedipham as complementary treatments in *sugarbeets* **[Herbicides].** 028612
Herbicides on *sugarbeets.* 028630
Some characteristics of the 'Caida' disease of *sugarbeet* **inChile,** and its control [Fungi]. 027962
Production potential of *sugarbeets* under **irrigation** in the West Oakes Irrigation District [Yields]. 030640
Technological value of *sugarbeet* from **Kayseri.** 022829
Forecasting incidence and issuing warnings for *sugarbeet* **leaf** spot (Cercospora beticola Sacc.) in Yugoslavia. 027961
Study of relations between different variables of the environmnt and absorption of some **oligoelements** by the *sugarbeet.* 026914
Field emergence and laboratory germination tests with **pelleted** *sugarbeet* seed. 026959
Smaller output of spray and higher productiveness of labor *[Sugarbeet* **pest** control, weevils]. 028807
Phytotoxic action of desmedipham: influence of temperature and light intensity *[Sugarbeets,* **plant** injuries]. 028456
Seed production of **polyploid** *sugarbeets* by the method of steckling [planting]. 027512
Norms and dates of planting and embedding of seeds of **polyploid** *sugarbeets.* 027561
This year's prospects of *sugarbeet* **production** in the Jicin district. 021812
Basic demands on *sugarbeets* as a **raw** material for the sugar industry. 027534
Types of railroad centers for **receiving** *sugarbeets* in transit. 022827
Effect of six 4-year rotations on yield, quality, and monetary return of *sugarbeets* in the **Red** River Valley (1971-74). 027527
Nitrogen fertilization of *sugarbeet* with **regard** to soil conditions and prognosis of fertilizer requirement. 030580
Isoenzymes of phosphorylase in *sugarbeet* L. And **related** species. 026897
A pH [hydrogen-ion concentration] meter tester *[Sugarbeet* **research].** 022828
Mode of action of hymexazol [3-hydroxy-5-methylisoxazole]. I. Effect of hymexazol on cell permeability of Pellicularia sasakii **[Rice,** *sugarbeets].* 027903
Common scab of *sugarbeet* **roots** [Control]. 028108
Prophylaxis of storage **rot** *[Sugarbeets].* 028115
Investigations on the effects of stubble and catch crop treatments on physical soil properties and yields in a *sugarbeet* **rotation** on a Pseudogley-Parabrown soil. 030257
Factors affecting *sugarbeet* **seed** germination in North America. 026958
Observations on the effects of different pelleting processes on the laboratory germination and field emergence of *sugarbeet* **seed.** 026960
Universal single grain seeding machine for **seeding** *sugarbeets.* 030056
Research on the possibility of *sugarbeet* **sowing** with the pneumatic single seed planter. 030127
Postemergence control of Kochia [scoparia] and Russian thistle [Salsola kali tenunifolia] in early **spring** *[Sugarbeets].* 028490
Some results of reception of *sugarbeets* according to **sugar** content at the Karabaltinsk sugar factor. 022825
Nitrogen **topdressing** of *sugarbeets.* 030551
Results of the Swiss post control test with *sugarbeet* **varieties** from 1971 to 1974. 027455
Effect of rotary soil tillage on agrophysical soil properties and crop yields *[Sugarbeets,* **wheat].** 030599
Influence of weed competition on *sugarbeet* **yield** [Polygonumlapathifolium, Chenopodium album, Commelina communis, Echinochloa crusgali]. 028581

SUGARCANE

Using anhydrous **ammonia** in *sugarcane.* 030457
Development of Diaprepes abbreviatus [pest of *sugarcane* **andcitrus]** on potted citrus seedlings [in Florida]. 028858
The application of plant pathological techniques in plant quarantine pathology [Soybeans, **asparagus,** *sugarcane].* 028310
The origin of *sugarcanes* and **centres** of genetic diversity in Saccharum: an enquiry to determine the most profitable areas to explore for sugarcane germplasm. 026298
The development of the Australian **chopped** *sugarcane* harvester. 030150
Population parameters of some agronomic characters of *[sugarcane]* **clones** in the germplasm collection of La granja Experiment Station, Philippine Sugar Institute. 026295
Selection consequences of differential performance of standard *[sugarcane]* **clones** across environments. 026297
Floral initiation in *sugarcane* at **Coimbatore**—latitude 11 degrees N. 027051
The origin of sugarcanes and centres of genetic diversity in Saccharum: an enquiry to determine the most profitable areas to explore for *sugarcane* **germplasm.** 026298
Cycocel plant growth regulant: Fate of carbon-14 chlorocholine chloride in *sugarcane* **grown** in Hawaii. 026974
A progress report on three selection schemes with differing emphases on canopy **height** *[Sugarcane].* 026292
Screening Indo American (IA) **hybrid** *sugarcane* clones for drought resistance. 026296
Assessment of cold tolerance in *sugarcane* **hybrids** derived frrom traditional and new germplasm. 026293
Utilization of *sugarcane* **leaf** and poultry manure in beef cattle rations. 023846
Transportation and culture of Tytthus mundulus [egg predator of the *sugarcane* **leafhopper,** Perkinsiella saccharicida in Australia]. 028756
Sugarcane **mosaic** virus in sorghum. 028165
Nematodes and *sugarcane.* 028431
Comparison of sulphur-coasted urea and ammonium sulphate amended with N-Serve as sources of **nitrogen** for *sugarcane.* 030476
2n=80 Saccharum spontaneum and the **origin** of *sugarcane.* 026299
Natural occurrence of milky disease bacterium, Bacillus popilliae Dutky on white grubs in India *[Sugarcane* **pests].** 028720
Forecasting crop quality *[Sugarcane,* **price-quality** schemes, statistical analysis]. 021632
Notes on disease resistance of tissue culture sub-clones and fusion of *sugarcane* **protoplasts** [for the improvement of varieties]. 026294
Preliminary notes on the leaf waxes of Saccharum officinarum *[sugarcane]* and **related** species. 027052
De-fuzzing of **true** *sugarcane* seeds [Processing]. 022831

SUILLUS

Ultrastructure of hymenial cells in two Boletes [Tylopilus felleus, *Suillus* **americanus,** fungi]. 026040
The status of the **genus** *Suillus* [Fungi] in the United States. 025788

SULFADIMIDINE

The application of the combination of tylosin and *sulphadimidine* in **swine** herds. III. Testing under field conditions. 024382

SULFAQUINOXALINE

Use of an isolator system to study the selective pressure of *sulfaquinoxalin-containing* **coccidiostats** on Escherichia coli population in chicks. 024810

SULFATE

Ammonium *sulfate* in low and high energy rations for sheep. 023737
Metabolism of the amino group of glutamate in maize inbred lines and their F1 hybrid after infiltration of alpha-ketoglutarate and 15N [nitrogen isotope]-labeled **ammonium** *sulfate.* 026975
Influence of methyl bromide fumigation on eggplant [toxicity] in relation to fertilization with **ammonium** *sulphate.* 028365
Comparison of sulphur-coasted urea and **ammonium** *sulphate* amended with N-Serve as sources of nitrogen for sugarcane. 030476
Chemistry and metabolism of ascorbic acid and **ascorbate** *sulfate.* 022028
Liquid chromatographic analysis of **ascorbate** and *ascorbate-2-sulfate.* 022038
Changes in the acid base status of sheep anaesthetised with a combination of **atropine** *sulphate* acepromazine and ketamine hydrochloride. 024296
Betanin *3'-sulphate* from Rivinia humilis. 026721
Studies on the toxicity of zinc sulphate and of **cadmium** *sulphate* to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927
Balance and dynamics of distribution of extractive resins during the process of *sulfate* **cellulose** boiling. 025298
Study of resin content and group composition of resinuous substances in *sulfate* **cellulose** production. 025331
SDS [sodium **dodecyl** *sulfate]* polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Sulphate **esters** of caffeyl- and p-coumarylglucose in ferns [Adiantum, Pteridium aquilinum]. 026765
Evidence for 16alpha-hydroxylation of **estrone** *3-sulphate* by guinea pig liver slices. 023355
On the solvation of *sulfate* **lignin** in some organic solvents. 025407
Metabolism of ascorbic acid and *ascorbic-2-sulfate* in **man** and the subhuman primate. 022039
Ascorbic-2-sulfate **metabolism** by human fibroblasts. 022024
Observations on antrycide **methyl** *sulphate* toxicity in Indian cattle and buffaloes. 024962
Use of softwood broadleaved species from natural forests and plantations for **obtaining** *sulphate* pulp [Poplar wood]. 025525
Sulphate **uptake** and metabolism in the chrysomonad, Monochrysis lutheri [Yellow-green alga]. 026381
Studies on the toxicity of **zinc** *sulphate* and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927

SULFHYDRYL

Sulfhydryl **groups** in [sheep] wool. 022717
Specific inhibition of sclerotium formation by 2-mercaptoethanol and **related** *sulfhydryl* compounds in Sclerotium rolfsii[Fungi]. 026456

SULFIDE

Controlling *sulfides* in sanitary sewers using air and oxygen. 030872
Significance of fold and lineament patterns in *sulphide* **mineralization** in the northeastern part of the Jabalpur (India) mineralized belt—a photogeological interpretation. 030281
The inhibiting effect of tris (1-aziridinyl) **phosphine** *sulphide* (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). 028997
The sterilizing effect of tris (1—aziridinyl) **phosphine** *sulphide* (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. 028998
Properties of **sodium** *sulfide*—sodium carbonate melts [Pulping]. 025490
The kinetics of the reaction between *sulfide* and **sulfite** in aqueous solution. 025495

SULFITE

Methods of investigating the carbohydrate fraction of *sulfite* **alkalis** [Wood pulp processing]. 025314
Recovery of *sulfite* **alkalis** from boiling cellulose with acid on a mixed base. 025325
The kinetics of the reaction between sulfide and *sulfite* in **aqueous** solution. 025495
Primary liver carcinogenesis in rats after feeding with the pesticide, 2-(4-tert-butylphenoxy)-1-methylethyl **2-chloroethyl** *sulphite* (Aramite). 029090
Study of the composition of monosaccharides in *sulphite* **media** by the method of paper chromatography [Wood hydrolisis]. 025332
Studies on the high-yield pulping of tropical woods. I. On the **neutral** *sulfite* semi chemical pulping. 025271
New [pneumatic] tree facer for resin tapping using *sulfite-yeast* **[as stimulator].** 025317

SULFOLIPIDS

Studies on fat-soluble substances of laver (Susabinori, Porphyra yezoensis) [Algae]. I. **Identification** of *sulfolipid.* 026353

SULFONAMIDE

Sulphonamide **antibiotic** control of Malameba locustae (King & Taylor) and its effect on grasshoppers. 029199

SULFONATE

The SPS *[sodium-polyanethol-sulfonate]* and **digitonin** tests applied to porcine mycoplasmas. 024401

SULFONATION

Study of *sulfonated* **carbohydrates** forming in bisulfite cooking of spruce. 025411

SULFONIC

Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of **poly(vinyl** *alcohol-co-vinyl-sulfonic* acid). 025461

SULFOXIDE

The use of synthetic **(plus/minus)-S-1-propyl-L-cysteine** *sulphoxide* and of alliinase preparations in studies of flavour changes resulting from processing of onion (Allium cepa L.). 022953

SULFUR

Effect of different combinations of lysine and *sulphur-containing* **amino** acids on egg production of laying hens. 023690
Response of rice to *sulphur* **application** under upland conditions. 030439
Vitamin E, selenium and amino acids **containing** *sulfur* [Animal nutrition]. 023949
Sulfur **content** in wheat dried in internal-combustion dryers in relation to the sulfur content in fuel [Contamination]. 022821
Sulfur **content** in hairs and skin of different coloured rabbits and mice. 023683
The influence of *sulfur* **dioxide** and hydrogen fluoride on free amino acids of spruce [Picea abies]. 025025
Histological responses of Japanese red pine [Pinus densiflora] needles exposed to *sulfur* **dioxide** [Injury]. 025037
Interrelations between *sulphur* **dioxide** pollution and stomatal movement in Pelargonium X hortorum: effects of relative humidity and CO2 [carbon dioxide] concentrations in **air.** 026700
Influnce of SO2 *[sulphur* **dioxide]** on the vitamine content of plants [Tomato, **pea,** lettuce]. 027115
Sulfur **dioxide** and material damage [Air pollution]. 030925
Experimental technique allowing for the study of the incidence on vegetation of *sulfur* **dioxide** pollutants applied continuously and at subnecrotic doses. 030946
Effect of manganese and *sulphur* **fertilization** on growth and yield of onions grown on alkaline low moor peat soil. 030395
Utilization of **inorganic** *sulfur* by growing-finishing pigs. 023904

Thiomolybdates and the *copper-molybdenum-sulphur* **interaction** in ruminant nutrition [Sheep]. 023752
On the nature of the **iron** *sulfur* cluster in a deuterated algal ferredoxin [Synechococcus lividus]. 026409
Plant-available calcium, magnesium and *sulfur* **levels** in soils used for corn production in Michigan. 030332
Marginal *sulphur* supplies for grassland herbage in southeast Scotland [Nutritional deficiencies]. 028380
The role of **organic** *sulphur* in the copper-molybdenum-S interrelationship in ruminant nutrition [Sheep]. 023709
Effect of *sulphur* and **phosphorus** application on soil characteristics, nutrient uptake and yield of wheat crop. 026980
E.P.R. [Electron paramagnetic resonance] spectra of *iron-sulphur* **proteins** in dimethylsulphoxide solutions: evidence that chloroplast photosystem I particles contain 4Fe-4S centres. 026392
Is is necessary to fertilize with *sulfur?* **[Rape,** mustard yields]. 030549
Thermometric (enthalpimetric) determination of organic compounds with **sulfidic** *sulphur* by means of chloramine B. 030411
Camellias and *sulphur-coated* **urea** [as source of slow-release nitrogen]. 030416
Comparison of *sulphur-coasted* **urea** and ammonium sulphate amended with N-Serve as sources of nitrogen for sugarcane. 030476
Possibilities of error in the detemination of **volatile** *sulphur* compounds [Beer]. 022400

SULFURIC

Effect of air pollution by copper, *sulphuric* **acid** and fertilizer factories on plants at Harjavalta, West. Finland. 028330
Effects of modern pollution control standards on the design and economics of *sulphuric* **acid** plants. 030967

SUMAC *see* RHUS

SUMMER

Effect of **ameliorating** *summer* temperature stress on some blood constituents of Large White Yorkshire weaners [Sheep]. 023442
Results of the 1974 main research with *summer* **cereal** and maize varieties. 027454
Chemical weed control guide; *summer* **crops**—1975. 028579
Season and *summer* **flush** seeds and their influence on yield and quality of rainfed Karunganni cotton (Gossypium arboreum L.). 027395
Better returns **form** *summer* rice. 027421
Summer **gain** as influenced by winter treatment [Forage, protein supplements, cattle]. 023867
Summer **grazing** performance of cattle as influenced by water stress & trailing. 023146
Fluctuations of phytoplankton biomass and its composition in a subarctic **lake** during *summer.* 026443
Fluctuations of phytoplankton biomass and its composition in a subarctic **lake** during *summer.* 026444
Late *summer* perennials [Varieties of ornamental plants]. 027809
Providing the organism of cotton-picking machine operators with vitamins C and B2 during *spring-summer* **period** in Turkmenistan. 022114
Summer **phytoplankton** blooms and red tides along tidal fronts in the approaches to the English channel. 026691
Persistence and degradation of chlorofenvinphos, chlormephos, disulfoton, phorate and pirimiphos-ethyl following spring and *late-summer* **soil** application [Residues, chemical control, carrot insect pests]. 028886
Summer **sowings** of mother [plantations] of sugarbeets as a factor of increasing the quality of polyploid seeds. 027514
Check the diseases on *summer* **vegetables.** 028375

SUNFLOWERS

High yields on large areas *[Sunflower* **culture].** 027571
Reserves of growth *[Sunflower* **culture].** 027576
A comparison of two methods for estimating bird **damage** to *sunflowers.* 028386
Relative phytotoxicity of some picloram [herbicide] **derivatives** *[Sunflowers].* 028338
Preparation of protein isolated from **extracted** *sunflower* grits. 022758
Heredity of some less-frequent phenotype manifestations of morphological characters in *sunflower* **(Helianthus** annuus L.). 026243
Implications of longer-time inbreeding and the possibilities of their elimination through SIB-crossing in *sunflower* **(Helianthus** annuus L.). 026244
Alternaria [tenuis] rot of *sunflower* in **Kuban.** 028008
Nonnuclear mutations in *sunflower.* II. **Lethal** chlorophyll mutations in the progeny of plants with variegated leaves. 026286
The effects of urea, cottonseed oil meal and *sunflower* **oil** meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Studies on some features of **oil** *sunflower* and their significance in breeding that plant in Poland. 026170
New method of [press] **packing** *sunflower* husks [for transport to hydrolitic processing establishments]. 022764
Is polyploidy necessary for tissue differentiation in higher plants? *[Sunflowers,* **peas,** wheat]. 025940
Occurrence of extra-ovarian ovules in *sunflower* **plants** (Helianthus annuus L.) treated with chlorflurenol. 026006
Studies on the effects of various adsorbents on the constituents of vegetable oil **[Rapeseed,** *sunflowers].* 022809
Variety influence on *sunflower* **seed** oil composition. I. 022766
To raise the level of *sunflower* **seed** production. 027521
State of production and ways of increasing the quality of *sunflower* **seeds** in the Ukraine. 021343
Yield and quality of *sunflower* **seeds.** 027579
Apparent digestibility of the amino acids of *sunflower* and **sesame** seed meals in laying hens. 023924
Sclerotinia sclerotiorum: viability and separation of sclerotia from **soil** *[Sunflowers].* 028061
Inter-row cultivation and irrigation of *sunflower* **stands.** 027572
Treat *sunflower* seeds in good time [with fungicides]. 028121
Nuclear envelope changes related to cell activation in Helianthus **tuberosus** L. *[Sunflowers].* 026005
Intercultivar competition in *sunflower* **[varietal]** test plots. 027357
Effect of nitrogen application spacing and planting method on two **varieties** of *sunflower.* 027474
Effects of fertilizers and weather *[Sunflower* **yields].** 030575

SUPEROVULATED *see* OVULATION

SUPERVISION

What audit means to the Dickson County, Tennessee, **County** *Supervisor,* Farmers Home Administration. 021322
Occupation: *supervisor.* 022277

SUPPLEMENTS

Forests and sites on the Styrian eastern rim of the Alps; growth **area** no. 18 *(supplements).* 025052
The effects of processing of **barley-based** *supplements* on rumen pH [hydrogen-ion concentration], rate of digestion and voluntary intake of dried grass in sheep. 023708
Gross protein value of dehydrated poultry manure and various *supplements* determined by **broiler** chicks. 023838
Stimulation of gas production from cowdung by algal [Oscillatoria **chalybea]** *supplementation.* 029916
Use of **chemical** *supplements* for feed preservation. 023087
L-lysine and **DL-methionine** *supplements* in barley-soy pig diets. 023864
Beef production, fattening young cattle. **Energy** *supplementation* of diets with a maize silage base. 023911
Effect of *supplementation* of some **essential** amino acids on free amino acids in blood and liver of albino rats fed different pulse proteins. 022108
Study of returns obtained from using liquid brewer's yeast as a **feed** *supplement* to chicken rations [Costs]. 021438
Soviets promote yeast for livestock protein **[Feed** *supplements].* 023028
Influence of phytoestrogens on milk productivity of cows **[Feed** *supplements].* 023957
Milk productivity of cows gives a **feed** *supplement* of thyroprotein and glucavamorin P10x. 023959
Pot experiments with oats on the influence of **feed** *supplements* on the fertilizer effect of [pouldtry and swine] excrements. 030424
The effect of non-root **fertilizer** *supplements* on the physiological indices and cucumber yield in hydroponic greenhouses [Soiless culture]. 027301
Soluble protein concentrate **[food** *supplement]* from alfalfa by low-temperature acid precipitation. 022775
Bibliographical series. **Information** *supplement* no. 1 to 60. Author and subject indexes [Agriculture]. 021142
Iodine *supplementation* could mean better lambs. 023871
Effect of a protected **lipid** *supplement* on flavor properties of beef. 022676
Megavitamin E *supplementation* in **man.** 022006
Supplement **notes** on Drymaria from Taiwan. 025716
Evaluation of a low-lactose **nutritional** *supplement* in malnourished children. 022122
Water quality perception by users: can it *supplement* **objective** water quality measures? 030786
Effects of feeding formaldehyde-treated **oilseed** *supplements* to sheep on pasture. 023801
Fossil dinoflagellates: index to genera and species. *Supplement* 1. **[Paleobotany].** 025660
Influence of [soy, fish, yeast] **protein** *supplements* on growth of Staphylococcus aureus and production of enterotoxins. 021926
Baker's yeast as a **protein** *supplement* in corn meal muffins. 022343
The effects of urea, cottonseed oil meal and sunflower oil meal, a **protein** *supplement,* on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Summer gain as influenced by winter treatment [Forage, **protein** *supplements,* cattle]. 023867
Supplement of **rice** straw for sheep with kenaf leaf [Hibicussabdariffa] or alfalfa meal. 023844
Effect of parenteral iron *[supplementation]* on **serum** electrolytes [Swine]. 023890
The response of the heated glasshouse lettuce crop to in **situ** *supplements* of low illuminance fluorescent light. 027645
Observations on the species Cosmogneta kargi Grandjean 1963: the protonymph and tritonymph. *Supplements* to the **study** of Gnathosoma. 029193
Fossil dinoglagellates: index to genera and species. *Supplement* 1. 025661
Studies on the biological evaluation of guar (Cyamopsistetragonoloba). I. Effects of **trypsin** *supplementation* on the nutritive value of guar. 022111
Urea *supplements* for Merino ewes. 022710
Mineral and **vitamin** *supplementation* of cattle. 023870

SUPPRESSION

Antibody *suppression* by cadmium [Mice, toxicity]. 024939
Suppression of the **boll** weevil [Anthonomus grandis] with ULV ultra-low-volume] azinphos-methyl, and malathion, and with LV [low-volume] methyl parathion [on cotton]. 028755
Suppression of **cerebellar** evoked potentials by a peripheral action of diphenylhydantoin [Cats]. 023264
Suppression of **Heliothis** spp. With cottons containing combinations of resistant characters [Heliothis zea, Heliothis virescens]. 028754
Suppression of **immune** responses to sheep red cell antigens in rats preimmunized with heterophilic antigen: cellular events. 024518
Specific B **lymphocyte** *suppression* by infectious bursal agent (Gumboro disease virus) in chickens. 024516
Suppression of **Mexican** bean beetle [Epilachna varivestis] on soybeans with annual inoculative releases of Pediobius foveolatus. 028738
The role of the hyperparasite Cicinnobolus cesatii de By. In *suppressing* the **powdery** mildew [Podosphaera leucotricha] of apple trees. 028030
Termite (Isoptera) *suppression* with **toxic** [wood] baits. 028928

SUPPURATIVE

Suppurative **mandibular** osteomyelitis associated with Pasteurella multocida in a rabbit. 024782

SURFACE

Interaction between *surface* **active** substances and pulp fibers. 025487
The influence of **adsorbed** *surface* active substances on the properties of paper. 025494
Bacteriological control of cleaning and disinfection of *surface* **areas** [Dairy industry]. 022600
An investigation of the *surface* **areas** of dyed and undyed secondary cellulose acetate by p-nitrophenol adsorption. 025414
Long term can trapping for population analyses of *ground-surface,* **arid-land** arachnids. 029588
Stress-strain behaviour of a saturated clay for states below the state **boundary** *surface.* 030361
Spontaneous and lectin-induced redistribution of **cell** *surface* receptors on embryonic chick neural retina cells. 023502
Scanning electron microscopy of the ependymal **cell** *surface* of the median eminence. I. Median eminence of Japanese quail(Coturnix coturnix japonica). 023685
Gene dosage and antigenic expression on the **cell** *surface* of bovine erythrocytes. 024403
Surface **characteristics** of fibers and textiles. I. 022429
Weather effects on glubility and *surface* **checking** of plywood trated with PEG [Polyethylene glycol]. 025528
A water quality model for a **conjunctive** *surface-groundwater* system. 030725
Possibilities of **direct** *surface* sublimation in freeze drying. 022459
Conditions of formation and regional evaluation of *subsurface* **discharge** in fold-mountain regions (as exemplified by the basin of the Chusovaya River in the middle Urals) [Groundwater]. 030754
Tile and *surface* **drainage** of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717
Forest plantations on some **eroded** *surfaces* from agricultural lands. 025229
The *surface* **fine** structure of the bovine subcommissural organ. 023366
Mating in Chlamydomonas: a system for the study of specificcell adhesion. I. Ultrastructual and electrophoretic analyses of **flagellar** *surface* components involved in. 026020
Surface **flammability** of fireproofing plywood in the 8-foot tunnel furnace. 3. 021932
Research pertaining to determination of ATP [adenosine triphosphate] in soils and *subsurface* **formations.** 030859
Some combined reactions of water at the *surface* of **freeze** dried products. 022462
A hydrogeological study of artesian basins from data of *surface* **geophysical** investigations. 030750
Monitoring disposal-well systems [surveillance of the quality of *surface* and **ground** waters]. 030867
Microfibril synthesis at the *surfaces* of **isolated** tobacco mesophyll protoplasts, a freeze-etch study. 026059

Leaf *surface* effects of environmental pollution on sugar maple (Acer saccharum) in Montreal. 030820
Comparative toxic effect of the *surface* **lipid** of Corynebacterium ovis [in sheep] on peritoneal macrophages. 024570
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to young and old leaves, upper and **lower** *surfaces* of leaf. 028678
Surface **molting** behavior and its possible respiratory significance for a gaint water bug Abedus herberti Hidalgo (Hemiptera: Belostomatidae). 029469
Model tests on the mechanisms of microbial deterioration of filled vulcanizates. 3. Influence of soil microorganisms on the *surface* of **natural** rubber vulcanizates. 022479
An equation to predict the leaching of *surface-applied* **nitrate** [Soils]. 030229
Analysis of the [spinach] thylakoid **outer** *surface*. 026018
Determination of the sum of main stresses on the *surface* of **photoelastimetric** layer by measurement of transversal deformation [Equipment]. 029992
The use of polyvinyl chloride foil during *surface* **processing** of particle boards. 025291
A comparative study of the *surface* **projections** of different strains of vesicular stomatitis virus. 024600
Surface **properties** of wool fibers. 022654
Surface **properties** of cotton fibers. 022761
Derivation of functional interactions for predetermining the *surface* **quality** of plastic-sheathed sections [Saw timber]. 025370
Studies on the distribution of antigenic sites on the *surface* of **rabbit** spermatozoa. 024098
The orientation of certain root-nodule bacteria at interfaces, including legume **root-hair** *surfaces*. 026648
A scanning electron microscopic survey of the *surface* of **sensitive** tendrils [Eccremocarpus scaber, Bryonia dioica]. 026030
On **slip** *surface* and slope stability analysis [Soil mechanics]. 030359
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the *surface* **soil** and the sub-soil of the well-drained volcanic ash soil of the Tokachi region under two moisture levels. 028430
Moisture absorption, mold growth, and decomposition of rice straw [lying on or above the **soil** *surface* in the field] at different relative humidities [Crop residues]. 030176
Electrical potentials during water entry into an air-dry mixture of sand and kaolinite **[Soil-particle** *surfaces]*. 030338
Improvement of *surface* **sowing** in grassland establishment. V. Making pelleted seeds with pelleter and its effects on early growth of pasture species. 027463
Correlation of **specific** *surface* area of soils according to the BET theory with cation exchange capacity, water content at the suction of 15 atmosphere pressure. 030378
Surface-active **spore** slimes [Fungi]. 026450
Abrasion of **textile** *surfaces* [Cotton]. 022760
Influence of *surface* **treatment** of selected subsoil materials on infiltration and erosion. 030615
Studies carried out on **Ukrainian** *surface* water hydrochemistry. 030777
Experimental studies of soil erosion in Daisen laom by *surface* **water** flow. 030624
Water management in arid zones: how to use *surface* **water.** 030695
Mathematical model for investigating problems of *subsurface* **water** dynamics (exemplified by the Ararat plain). 030768
Study of the *subsurface* **water** regime in Hyngary. 030779
Problem of the use of *subsurface* **waters** for irrigation, exemplified by Uzbekistan. 030771
Boll weevil [cotton pests, control]: survival in hibernation cages and in *surface* **woods** trash in central Texas. 028748

SURFACTANT

Surfactants for the **control** of apple [powdery] mildew [Podosphaera leucotricha]. 028043
The use of **nonionic** *surfactants* on soils. 030533
Surfactants and the **uptake** and movement of paraquat in plants. 028533

SURGERY

Surgical **approaches** to certain long bones of the horse for application of tension band plates. 024320
Study of the effectiveness of the closed method of *surgery* in **cases** of damage to the mammary cisterna [Cows]. 024388
Rupture of the gallbladder in the canine and it's *surgical* **correction;** a case report. 024993
Indications for *surgical* **intervention** in equine colic [Horses]. 024326
Intestinal *surgery* in the foal. 024327
Designed exclusively for an equine **practice** *[Surgery]*. 024376
Surgical **repair** of diaphragmatic hernia in a horse. 024856
Surgical **repair** of a fistula of the urethral diverticulum in a horse. 024932
Causes of colic and types **requiring** *surgical* intervention [Horses]. 024325
Surgical **techniques** in equine colic [Horses]. 024331
Surgical **treatment** of pericarditis traumatica in a cow by thoraco-pericardiotomy. 024323
Surgical **treatment** of posterior luxation and radius deformation in a wolf dog. 024970
Acupuncture analgesia in **veterinary** *surgery*. First results. 024352

SURPLUS

Marketed *surplus* in Indian agriculture: theory and practice. 021604
Problems facing dairy products manufacturers and effective and economic utilisation of *surplus* **milk** products. 022588

SURVIVAL

To destroy them or help them to *survive* **[Butterflies,** Lepidoptera]. 029344
Fungistatic action of soil and *survival* of the **conidium** of Helminthosporium sativum Pamm., King et Bakke [Crown and root rot of cereals]. 028011
The influence of temperature on the ability of Aphelenchoides besseyi to *survive* **dehydration** [Rice, nematodes]. 028405
The process of *survival* of **denervated** and freely autotransplantated skeletal muscle [Cats]. 023412
A lichen (Parmelia conspersa) *surviving* with **elevated** concentrations of lead and opper in the center of Sendai City [Japan, air pollution, indicator plants]. 025880
Survival of **enteroviruses** on vegetables irrigated with chlorinated oxidation pond effluents [Wastewater treatment]. 021904
Field *survival* of diapausing Bathyplectes curculionis, a parasite of the alfalfa weevil [Hypera postica]. 028731
Inoculation of Basidiomycetes into mice: tissue reaction and *survival* of **fungi** in tissues. 024649
Survival of **hemispherical** scale [Saissetia coffeae, a pest of Aphelandra squarrosa] and an Encyrtus parasitoid after treatment with insect growth regulators and insecticides. 028853
Boll weevil [cotton pests, control]: *survival* in **hibernation** cages and in surface woods trash in central Texas. 028748
Influence of some physical factors on *survival* of **Marek's** disease vaccine virus. 024441
Overwinter *survival* and spring emergence of the bollworm [Heliothis zea] in Arkansas [Cotton]. 028735
Survival of **resistant** external stages of [livestock] parasites during fermentation of liquid cattle manure at raised temperatures. 024808
Saprophytic *survival* of Bipolaris sorokiniana on detached laminae of Poa pratensis. 027922
Estimating **seedling** *survival* from wind erosion parameters. 028444
An analysis of factors influencing farm expansion and *survival* in **south** central Georgia. 021327
Elements of soil biology: Let us preserve it if we with to *survive* with it. 030175
The effect of caffeine on *survival* of **UV-[ultra** violet]-irradiated diploid yeast [Saccharomyces cerevisiae] strains of different sensitivities. 026227
Repair of UV [ultraviolet]-induced DNA damage and *survival* in **yeast** [Saccharomyces cerevisiae]. I. Dimer excision. 026226
Effect of some soil amendments on plant growth, *survival* and **yield** of dry beans (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379

SUSCEPTIBILITY

Influence of individual body weight on the *susceptibility* of **adult** Musca domestica to DDT and malathion. 029007
Genetic studies on mechanisms influencing the *susceptibility* of **anopheline** mosquitoes to plasmodial infection [Plasmodium gallinaceum, Anopheles stephensi]. 029044
Susceptibility of **apricot** tree pruning wounds to infection by Eutypa armeniacae [Cytosporina dieback]. 028062
Relation between percent of infection of plants and heads as criterion for evaluation of *susceptibility* of **barley** to Ustilago nuda (Jens.) Rostr. 027960
Susceptibility of **Cadra** cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] wheat [Insect pests, biological control]. 028984
Susceptibility of **chickens** to avian encephalomyelitis virus. I. Clinical observation on day-old-chicks inoculated by various routes. 024490
Comparative *susceptibility* of the chorioptic mange mite, northern fowl mite, and brown dog tick [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne] **cultivar** *susceptibility* to Sclerotinia [homoeocarpa] dollar spot. 028069
Susceptibility of **diapausing** pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Techniques and problems in the storage of Satsuma orange. 4. Effect of temperature on its physiological deterioration and *susceptibility* to **diseases.** 028317
Sex differences in *susceptibility* to **experimental** induction of pantothenic acid deficiency in rats. 022106
Enhancement of *susceptibility* to **experimental** phycomycosis by agents producing reticuloendothelial stimulation [Mice, Absidia ramosa]. 024474
Nucleoproteids from sprouts of potato varieties resistant and *susceptible* to the **fungus** Synchytrium endobioticum (Schilb.) Perc. [Wart]. 028016
Physiological basis of **host** *susceptibility* of Florida mosquitoes to Dirofilaria immitis. 029416
Genetic control of *susceptibility* to **hydroxyproline** in Drosophila [melanogaster]. 029291
Increased *susceptibility* of Easter lilies to Pythium root rot as a result of infection by necrotic fleck virus complex. 027880
Induced *susceptibility* or induced resistance as causes of host-parasite specificity [Wheat, stem rust, Puccinia graminis tritici]. 027971
Investigations on the *susceptibility* of **maize** hybrids against root rot [Fusarium, Aureobasidium bolleyi]. 028103
Aldrin and dieldrin uptake in insecticide-resistant and *susceptible* **mosquitofish** (Gambusia affinis). 029085
Endrin uptake in insecticide-resistant and *susceptible* **mosquitofish** (Gambusia affinis). 029107
Susceptibility of **organic** matter of Chernozemic Ah horizons to biological decomposition. 030198
Susceptibility of **plum** varieties to plum pox disease. 028199
Histochemical and palatability properties of muscle longissimus from stress-resistant and *stress-susceptible* **porcine** animals. 023455
Preference of Lysiphlebus testaceipes [parasitoid] for greenbug [Schizaphis graminum] resistant and *susceptible* **small** grain species. 028737
Variation in *susceptibility* of **stored** cabbage tissues to infection by Botrytis cinerea. 027925
Cyclic AMP [adenosine monophosphate] in longissimus muscle from control and **stress** *susceptible* pigs. 022675
The effect of ACTH [corticotropin] on glucocorticoids in *stress-susceptible* and **stress-resistant** pigs. 024894
Susceptibility of **sweetpotato** lines to development of hardcore, a chilling disorder [Physiological diseases]. 028332
Thermal *susceptibility* of Salmonella in the Moroccan food snail, Helix aspersa. 021916
Effects of potato cyst nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of **two** *susceptible* varieties. 028403
Effects of potato cyst nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a *susceptible* **variety.** 028402
The *susceptibility* of **young** chickens, ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. 024821

SUSPENSION

Washing of pulps. 3. Transfer rates of dissolved sodium andlignin from pulps in a dilute, **agitated** *suspension*. 025498
Properties of peroxidases from tobacco **cell** *suspension* culture. 027009
Isoenzyme changes during the growth cycle of Paul's Scarlet rose **cell** *suspensions*. 027246
Comparison between biosynthesis of ent-kaurene in germinating tomato seeds and **cell** *suspension* cultures of tomato and tobacco. 027264
Contribution to the treatment of ovarian cysts in cattle with **chorionogonadotropin** *suspended* in oily progesterone. 024228
Effect of ammonium on growth of plant cells (Ipomoea sp.) in *suspension* **cultures.** 026442
RNA profiles and nucelotide composition of flax callus and *suspension* **cultures.** 026907
Behaviour of phenylalanine ammonia-lyase in carrot cells in *suspension* **cultures.** 027238
Air pollution by *suspended* **particulate** matter in Dunedin and Milton. 030939
Growth regulator levels in embryo and *suspensor* of **Phaseolus** coccineus at two stages of development [Scarlet runner beans]. 027277
Calming lengths in **pulp** *suspension* flow. 025482
The hydrometer method for particle-size analysis. 2. Factors affecting the dispersive properties of glassy Na [sodium]-polyphosphate in calcareous saline **soil** *suspensions*. 030348

SUTURE

Operative care of infected wounds with an **exchange** *suture* [Dogs]. 024363

SWAMP

Plant species checklist for the Lac des **Allemands** *swamp* area of Louisiana. 025739

SWAN

Swan **Hill** fruitless olive [Olea europaea, varieties]. 027793

SWARD

On the estimation of the productivity of orchardgrass [Dactylis glomerata] *swards* in **Hokkaido.** 027494
The effect of plant structure on the intake of tropical pasture. III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. **Kazungula** *swards*. 023698
Comparison of productivity between semi-natural **Miscanthus** *sward* and improved orchardgrass [Dactylis]-ladino clover mixture. 027462

SWARMS

Swarming **honey** bees [Apis mellifera] guided by pheromones. 029728
Inhibitory effect of alkylarylsulfones on the *swarming* of **Proteus** bacteria [Meat contamination]. 021842

SWEET

The hedonic tones [liking or disliking] of **artificial** *sweeteners* and their mixtures. 022069
The tastes of **artificial** *sweeteners* and their mixtures. 022070
The western bean cutworm [Loxagrotis albicosta] on **beans** *and[sweet]* corn. 028830
Effects of CO2 [carbon dioxide] nutrition on growth and yield of muskmelon (Cucumis melo L.), eggplant (Solanum melongena L.) and *sweet-pepper* **(Capsicum** annuum L.). 027598
Management of *sweet* **cherries** culture in 1975. 027797

Monilinia [laxa] life cycle on *sweet* **cherries** and its control by overhead sprinkler fungicide applications. 028072
Differences between twisted leaf and tomato bushy stunt virus in *sweet* **cherry.** 028176
Distribution of bound auxins in kernels of *sweet* **corn** (Zea mays L.). 027067
Emergence, seedling growth and yield of *sweet* **corn** after pregermination at high temperature. 027725
Sweet **corn** [Weeds]. 028513
Fertilizer application and *sweet* **corn** yield. 030487
Determination of the optimum sowing date for eggplant and *sweet* **pepper** grown in the Sudan for export. 027597
Phosphorus fertilizer studies with Capsicum annuum L. *(Sweet* **pepper).** 030404
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and winter bloom production of the glasshouse rose 'Sonia' (syn. *'Sweet* **Promise'**) [Varieties]. 027639
Seasonal changes in foliar fatty acids and sterols in Caryaglabra (Mill.) *Sweet* and **Quercus** falcata Michx., two hosts of the elm spanworm, Ennomos subisgnarius (Hubner). 028933
Germination biology of Vigna unguiculata (L.) Walp. And Lablab purpurens (L.) *Sweet.* **seeds** under conditions of Turkmenistan. 026615
Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum *[Sweet-cherry* **trees,** leaf spot]. 028131

SWEETCORN

Sweetcorn **[Culture].** 027584
A modified apparatus for the extraction of nematodes from sterile culture **[Pratylenchus,** *sweetcorn].* 028399
Herbicide evaluation studies with *sweetcorn* **(Zea** mays L.) in Hawaii. 028583

SWEETGUM

Polymorphic site index curves for **natural** *sweetgum* [Liquidambar styraciflua] in Alabama. 025081
Comparative studies on cellulolytic enzyme lignin and milled wood lignin of *sweetgum* and **spruce** [Liquidambar styraciflua, Picea abies]. 025362

SWEETPOTATOES

Activity and stability of alpha- and beta-amylase at temperatures from 4 to -23 **Celsius** *[Sweet-potatoes].* 022924
Susceptibility of *sweetpotato* **lines** to development of hardcore, a chilling disorder [Physiological diseases]. 028332
Studies on nutrition of grafted plants [Pharbitis, Ipomoea bana-nox, *sweetpotato].* I. **Nitrogen** nutrition. 027144
Potash requirement of *sweetpotato*—a **review.** 027174

SWELLING

Unsaturated flow mechanisms in *low-swelling* **clays.** 030350
Tensiometer measurements in anisotropically **loaded** *swelling* soils. 030347

SWIETENIA

Strain variations among Fomes durissimus Lloyd *[Swietenia* **mahogani,** Casuarina equisetifolia, Mimusops elengi, India] attacking different host wood. 027887

SWINE

Investigations on improving the fertility of **aged** *sows.* I. Macroscopic studies of cyclical changes in the ovary, particularly follicles and corpus luteum, as a means of determining cyclical status and ovulation rate. 024025
Investigations on improving the fertility of **aged** *sows.* 2. Histological structure on the endometrium at different stages of the cycle. 024026
Investigations on improving the fertility of **aged** *sows.* 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of sows during normal-lactation and very early weaning. 024027
Delayed hypersensitivity responses of *swine* to **Ascaris** suuminfection. 024609
Treating waste air from *swine* **barns.** 030936
Some animal diseases found in slaughterhouses [Cattle, **buffaloes,** *swine].* 024346
Enhanced respiration and reduction of tetracycline binding of *boar* and **bull** spermatozoa following incubation in the female genital tract. 024145
Relationship between leg troubles and movement defects and fattening performance, carcass yield and retention **capacity** *[Swine].* 024815
Grade and yield *[Swine,* **carcasses].** 022655
The prevalence of sarcosporidiosis [Sarcocystis] in Australian meat animals [Sheep, **cattle,** *swine].* 024433
Complexes of haemoglobin and hem-protein in sera of mammals. II. Immune electrophoretic researches *[Swine,* **cattle].** 024463
Clinical signs of the udders of *sows* and some **characteristics** of their secretions [Irregular teats]. 024937
Hog **cholera** in the northeastern part of Thailand. 024673
Catching up on **classification** *[Pork].* 021957
Swine diseases: behavior of kanamycin in the *swine* **clinic** [Antibiotics]. 024698
Transmissible gastroenteritis of *swine* in **Colombia,** an imported disease. 024744
Studies on the nutritive value of swine feed. II. Determining the digestibility of nutrients in some **concentrates** with *swine.* 023880
A comparison of least **cost** *swine* rations. 023882
Organization of the ABC program as a fully integrated *[swine]* **crossbreeding** program. 024237
Intracutaneous test for **determining** *swine* brucellosis, a contribution for slaughter animal study in original stocks. 024727
Carcase evaluation **developments** *[Pork].* 021956
Practical experiences in the treatment of edema **disease** of *swine.* 024728
Swine **diseases:** behavior of kanamycin in the swine clinic [Antibiotics]. 024698
Effect of amodiaquine on gastric histamine methyltransferase and on histamine-stimulated gastric secretion **[Dogs,** *swine].* 023323
Speck **[dried** *pork]:* Production and characteristics. 022659
House for **dry** *sows.* 029961
Swine **dysentery** associated with Treponema hyodysenteriae-like organisms in Colombia. 024741
The etiology of *swine* **dysentery.** III. The role of selected gram-negative obligate anaerobes. 024749
Effect of parenteral iron [supplementation] on serum **electrolytes** *[Swine].* 023890
Juxtaglomerular cell granules in the developmental mesonephros and metanephros of *swine* **embryos.** 023568
An attenuated vaccine for Japanese **encephalitis** *[Swine].* 024535
Recent developments in the handling and weighing of farm animals *[Swine,* **equipment].** 030088
Mastitis in *sows* **[Escherichia** coli, Klebsiella, swine]. 024668
Index selection in *swine.* III. **Establishment** and comparison among selection indices based on different testing systems. 024285
Index selection in *swine.* II. **Estimation** of genetic parameters for different testing systems. 024284
Use of breeding indices to **evaluate** *swine.* 024272
Pot experiments with oats on the influence of feed supplements on the fertilizer effect of [pouldtry and *swine]* **excrements.** 030424
Increasing the effectiveness of *sow* **exploitation** [Weaning]. 023171
Some aspects of the influence of tropical climates on *swine* **exploitations:** Cooling system. 023147
A question of training *[Swine* **farm** management]. 021309
Interpreting your own results *[Swine* **farm** management]. 021311
Sorting out producers' problems *[Swine* **farm** management]. 021312
Research on the locality of *swine* **farm:** transportation factors in swine rearing on areas far from the market. 021470
Buying management aids *[Swine* **farms].** 021310
Specialization and progressive technology, the basis for high profitability of pork production *[Swine* **farms].** 021349
Cooperative dividens are low *[Swine* **farms].** 021424
When things go wrong at **farrowing** *[Swine].* 024160
Effective utilization of feed beans in rations of **fattened** *swine.* 023795
Dry or fluid feed, alternatives for **fattening** *swine* barns. 023732
Fattening *swine* houses with grill floors. 029894
Four diffeent planning examples of barns for **fattening** *swine.* 029920
Mercury analyses of Michigan corn *[Swine* **feed** ingredient]. 023069
Studies with Fusarium [roseum]-infected corn *[Swine,* **feed** toxicity]. 023070
Studies on the nutritive value of *swine* **feed.** II. Determining the digestibility of nutrients in some concentrates with swine. 023880
Hog **feeder** [Construction]. 029959
Protein and amino acid evaluation of commercially grown opaque-2 corn *[Swine* **feeding].** 023765
Fat source and vitamin E level of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium *[Swine,* **feeding].** 023818
Evaluation of an amino acid-iron chelate hematinic *[Swine,* **feeding].** 023891
Swine **feeding:** recent trends in nutrition with proteins and amino acids. 023913
Aspects of **feeding** *swine.* 023914
Elimination of Salmonella from **fermented** *pork* by gamma irradiation. 021959
Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against *swine* **fever** and a modified live virus of MD-BVD. 024409
The improvement of sow productivity, a review of recent experiments in **France** *[Swine].* 024154
Organization of the **German** *swine* commercial crossing program. 024236
Fat source and vitamin E level of *sow* **gestation** diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818
Choline in the *sow* **gestation-lactation** diet. 023886
The effect of exogenous administration of oestrogens on the function of the epididymis and the accessory sex **glands** in the *boar.* 023969
Artificial insemination of cattle, *swine* and **goats** in France in 1974. 024066
Effect on subsequent feedlot performance of rotating or withdrawing dietary antibiotics from *swine* **growing** and finishing rations. 023762
Comparative study of rations containing glutinous broken rice and non-glutinous broken rice in *swine* **growing-finishing** rations. 023835
Some notes on using low level of good grade-fishmeal with non-glutinous broken rice and glutinous broken rice in *swine* **growing-finishing** rations. 023843
Dietary vitamin E level, performance, tissue selenium and selenium balance in **growing-finishing** *swine.* 023889
Extruded soybeans for **growing-finishing** *swine.* 023892
Comparison of free amino acids in blood serum of men and animals. II. Man, rabbit, **guinea-pig,** *swine.* 023676
Trimethoprim and sulphadoxine in *swine.* **Half-lives,** volume of distribution and tissue concentrations. 024395
Hens and *swine* in **Hanover** [Barns and equipment]. 029922
Enterotoxaemia Escherichia coli infection in *swine:* **herd** resistance as related to environment. 024577
The application of the combination of tylosin and sulphadimidine in *swine* **herds.** III. Testing under field conditions. 024382
Program of elimination of Aujeszky's disease from *swine* **herds** in Czechoslovakia. 024761
Electric heating of *swine* **houses.** 029951
There is a cure to control odors *[Swine* **houses].** 030847
Hybrid *swine* are tested in Great Britain. 024148
Organization of the Baden-Wurttemberg *[swine]* **hybrid** breeding program in cooperation with production and marketing arrangements. 024238
Organization of the [West German] Federal *[swine]* **hybrid** breeding program as a cooperative program of breeding organization and producer groups. 024239
Possibilities of a more intensive exploitation of **infantile** *gilts* [Breeding]. 024242
Determination of the moment of ovulation in ewe and *sow.* **Influence** of environment and hormonal treatment. 023982
On the antigenic structure of vibrions studies by means of the agglutination reaction and fluorescent antibodies **[isolated** from *swine].* 024413
For beginners in *swine* **keeping.** 023151
Stall installations for **keeping** *swine* in an unbroken production sequence. 029984
Mastitis in sows [Escherichia coli, **Klebsiella,** *swine].* 024668
Feeding the **lactating** *sow.* 023805
Induction of gestation during **lactation** in the *sow.* 023987
Nitrogen metabolism and digestibility of feeds in Thornber hybrid and Belgian **Landrace** *swine.* 023912
Statistics, heredity and correlation between some features of the circulatory system in female German **landrace** *swine.* I. Means and environmental effects. 024254
Endogenous 11-hydroxy-corticosteroids in Pietrain pigs, German Large White pigs and *Pietrain* X **Large** White crosses and their relationship to meat quality. 023686
Feeding for **lean** *[Swine].* 023804
Increase in *swine* **litter** size as the result of steroid therapy. 024208
Chemical, palatability and cooking characteristics of normal and low quality [pale, soft, exudative] *pork* **loins** as affected by freezer storage. 022674
Use of a centrifuging method to measure the drip of *pork* **Longissimus** dorsi slices before and after freezing and thawing. 022689
Production at crossroads *[Pork,* **Marketing].** 021608
The value of lupinseed **meal** *[Swine].* 023807
Influence of kapok **meal** for *gilts.* 023839
Bioavailability of lysine in ring process blood **meal** for *swine.* 023884
Effect of muscle type on residual nitrite in cured **meat** *[Swine].* 022678
Field testing, an essential aid for the **modern** *swine* farm. 023118
Relationship between contractility and some biochemical properties of myofibrils prepared from normal and PSE {pale, soft, exudative] porcine **muscle** *[Swine].* 022684
Incidence of tuberculosis in *swine* **[Mycobacterium** tuberculosis, Mycobacterium bovis]. 024563
Studies on the receptors to the odoriferous steroid, 5alphaandrost-16-en-3-one, in *sow* **nasal** epithelium. 023522
Enzootic abortion in *swine*—the **nature** of the disease [Chlamydia]. 024770
The use of gamma radiation for killing the Trichina larvae in **nham** and *pork.* 024680
Estrus control in *gilts* with **norethandrolone** injections and an analogue of prostaglandins (ICI 80996). 023983
Microbiology of pale, dark and **normal** *pork.* 021928
Investigations on improving the fertility of aged sows. 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of *sows* during **normal-lactation** and very early weaning. 024027
Presence of sporadic cases of anthrax in *swine* in **north** Wurttemberg. 024729
Swine **nutrition.** 023725
Japan to take 300 **Ontario** *hogs* per week [Marketing]. 021541
Effect of feeding on the immunobiological reactivity of the *swine* **organism.** 024769
A convenient biological synthesis of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with *sow* **ovarian** 19-hydroxylase. 023505

Observed associations between corpora lutea and follicular development in *swine* **ovaries** during the estrous cycle. 024093
Evaluation of *swine* according to their **own** productivity and the results of the controlled feeding of their polysiblings [Heredity]. 024264
Distribution of the hemagglutination inhibition antibodies against porcine **parvovirus** among *swine*. 024686
Price stabilization through deficiency **payments** *[Swine]*. 021478
Effect of a high-concentrated combined vitamin-preparation (AD3E) on important parameters of the reproductive **performance** of the *sow*. 023965
Action of energy supply during pregnancy on weight development and reproductive **performance** in *sows*. 024232
Swine **physiopathology:** Prophylaxis and treatment of piglet diseases. 024708
Swine **physiopathology:** Fetal and newborn immunity. 2. 024709
Swine **physiopathology:** Prophylaxis and treatment of [infectious] piglet diseases. 2. [Vaccination]. 024710
Efficiency of selection concerning the nipple number in **Pietrain** *swine*. 024014
Effect of level of feeding during lactation on *sow* and **pig** performance. 023761
Endogenous 11-hydroxy-corticosteroids in *Pietrain* **pigs,** German Large White pigs and Pietrain X Large White crosses and their relationship to meat quality. 023686
Soviet distress slaughter [of *hogs* and **poultry** brought about by the poôr grain crop] down from September high [Production]. 021562
Scans for backfat and **pregnancy** *[Swine]*. 024159
Japanese encephalitis virus in **pregnant** *swine*. 024675
Group rearing of **pregnant** *sows* [Barns]. 029921
Induction of estrus, ovulation and fertility in **prepuberal** *gilts*. 023986
A new form of vesicular diseases of *swine* and **preventive** measures against them [Enteroviruses]. 024645
Advanced coronary atherosclerosis in *swine* **produced** by combination of balloon-catheter injury and cholesterol feeding. 024837
Exchange rate fluctuations and border levies: consequences for *swine* **producers** in the German Federal Republic with respect to their 1970-1973 price level. 021463
Specialization and progressive technology, the basis for high profitability of *pork* **production** [Swine farms]. 021349
Profitability prospects of *swine* **production** in the past decade [Income]. 021450
The improvement of *sow* **productivity,** a review of recent experiments in France [Swine]. 024154
Pig testing results *[Boar* **progeny** tests completed during the period December 1974—July 1975]. 023973
Luteal function in *gilts* after **prostaglandin** F-2alpha. 024092
Change in content of glutathione in the blood relative to age and its relationship to certain production **qualities** in *swine*. 023668
Pin-pointing carcase **quality** *[Pork]*. 021958
Estimating digestible energy from chemical analyses [Feeds, sheep, *swine,* **rabbits**]. 023860
Immunization against Aujeszky's disease with an inactivatedvirus in oil excipient **[Rabbits,** *swine]*. 024682
Level of lysine in corn-soybean meal growing-finishing *[swine]* **rations.** 023894
Selenium retention as affected by iron oxide in the premix *[Swine* **rations**]. 023900
Use of oats and animal fat in *swine* **rations.** 023903
Meal from tannery wastes in *swine* **rations.** 023958
Research on the locality of swine farm: transportation factors in *swine* **rearing** on areas far from the market. 021470
Laparoscopic pregnancy diagnosis and uterine fluid **recovery** in *swine*. 024209
Moldy [Fusarium graminearum] wheat **refusal** by *swine*. 023896
12 percent of *sows* are **registered** for technical management, and yours? 021292
Housing, health closely **related** *[Swine]*. 024314
Short-term stress effects on *swine* **reproduction.** 024989
Report of *swine* **research,** 1975 [Feeding]. 023899
How to recognize and eliminate atrophic **rhinitis** of *swine*. 024876
Hog *[swine]* **sector** models. 023103
Direct **selling** of *pork*. 021607
Effects of freezing processes of *boar* **semen** on motility of spermatozoa and conception rate. 024204
Comparison of single- and two-phase dilution of *boar* **semen** and its effect on pregnancy rate. 024279
Boar **seminal** zinc-precipitable protein and the haemagglutinin. 024115
When should *swine* be **served** or mated? 024213
Protein yields from bones destined for processing [Cattle, **sheep,** *swine]*. 022702
Specific gravity estimates of bone composition [Cattle, **sheep,** *swine]*. 022706
Comparative study of the occurrence of placental prolactin among mammals [Laboratory animals, **sheep,** *swine]*. 023414
Raising the oxytetracycline speculum in the bronchial mucous membrane of *swine* by **simultaneous** administration of Bromhexin (Bisolvon). 024364
Effect of sow weight gain on litter **size** in *swine*. 024207
Effects of olfactory bulb ablation on maternal behaviour in **sows** *[Swine]*. 023248
Fine structure of *boar* **sperm** abnormality: hairpin curved sperm. 024104
Why is deep freezing of *boar* **sperm** problematic? 024240
Effects of in-vitro treatment of *boar* **spermatozoa** with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of pig eggs. 024118
The absorption by *boar* **spermatozoa** of zinc bound to low molecular weight ligands. 024129
Ratio between precocious maturation and fat deposit in Ukrainian White **Steppe** *swine* breed. 023673
Physiological temperature response and embryonic mortality in **stressed** *swine*. 023224
Studies on the experimental production of chronic erysipelas in *swine*. 2. **Studies** with a live antigen in order to standardize a model disease. 024807
Aortic heterografts. Electron microscope **study** *[Swine]*. 023604
The use of zero constraints in polynomial distributed lags *[Swine* **supply**]. 021480
Hog [**swine**] sector models. 023103
Effects of olfactory bulb ablation on maternal behaviour in *sows* [**Swine**]. 023248
Efficiency of selection concerning the nipple number in *Pietrain* **swine.** 024014
Swine-fever in 1974. 024697
Effect of vitamin A on the effectiveness of estrus **synchronization** in *sows*. 024262
Early weaning and first frenzy successively **synchronized** *[Swine]*. 023730
What the consumer **thinks** *[Pork]*. 021609
A **thousand** *swine* per inhabitant [Barns]. 029917
Latent infection of **Toxoplasma** in *swine*. 024632
Volatile amine production in **uncured** *pork* during storage. 022690
Allatectomy and imaginal diapause in females of Tetrix **undulata** *(Sow.)* (Orthoptera, Tetrigidae). 029260
The imaginal diapause-break in females of Tetrix **undulata** *(Sow.)* by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277
Vitality of **Urzhum** *swine*. 023681
A high density component in several vertebrate enteroviruses *[Swine* **vesicular** disease virus]. 024601
Correlation of polypeptide composition with antigenic variation in the *swine* **vesicular** disease and coxsackie B5 viruses. 024659
Hybrid studies on the genetics of coat color and blood groups of Landrace and **Vietnamese** *swine*. 024219
The influence of pH [hydrogen-ion concentration] on the growth and stability of transmissible gastroenteritis virus in **vitro** *[Swine]*. 024426
Availability of nutrients in *swine* **waste** [Feed]. 023883
Swine **waste** nutrient recycling [Drinking water]. 023902
Effect of *sow* **weight** gain on litter size in swine. 024207

SWINEPOX

Ultrastructural aspects of **experimental** *swinepox* with special reference to inclusion bodies. 024428
Swinepox, **virus** isolation, experimental infections and the differentiation from Vaccinia virus infections. 024425

SYCAMORE

Key to the eight species of coexisting Erythroneura leafhoppers (Homoptera: Cicadellidae) on **American** *sycamore* [Platanus occidentalis]. 028820

SYMBIOSIS

Ultrastructure of Rhizobia in pure culture and *symbiosis* **[Alfalfa** and clover]. 026964
Electron microscopic study of bacteria in the intercellular spaces of the root cap of Luzula purpurea Link *[Symbiotic* **associations].** 026034
The breeding of nonleguminous plants for the development in them of *symbiotic* **fixation** of atmospheric nitrogen. 026264
Competition or additional effects of nitrogen nutrition by nonsymbiotic and *symbiotic* **means** in soybean (Glycine max L. merr). 026915
Effect of altered pO2 [oxygen 1 percentage] in the aerial part of soybean on *symbiotic* N2 **[nitrogen]** fixation. 027019
Influence of zinc on *symbiotic* **nitrogen** fixation by soybean (Glycine max Linn.) in silt loam soil. 030222

SYMPATHOMIMETIC

Sympathetic and *sympathomimetic* **stimulation** of parotid salivary secretion in sheep. 023553

SYMPATRY

Host race formation among *sympatric* **apple,** walnut, and plum populations of the codling moth, Laspeyresia pomonella. 028817

SYMPHYTA

The sawfly types of Abbe Leon Provancher (Hymenoptera: *Symphyta)* **[New** taxa]. 029641

SYMPIESIS

Entomophagous insects of the apple leaf moth [Natural control, Apanteles, *Sympiesis,* **Anthocoris**]. 028905

SYNANTHEDON

Lesser peachtree borer *[Synanthedon* **pictipes,** pest of stonefruits]: the effect of temperature and humidity on egg development. 028851
Daily rhythm of *Synanthedon* **pictipes** (Lepidoptera: Aegeriidae) female calling behavior in Wisconsin: temperature effects. 029328

SYNAPSIS

Relative pre- and *postsynaptic* **potencies** of alpha-adrenoceptor agonists in the rabbit pulmonary artery. 023597

SYNCHRONIZATION

Fertility of **estrus** *synchronized* dairy heifers treated with CAP [Chlormadinone acetate] alone or in combination with estradiol benzoate, HCG or GnRH [human chorionic gonadotropin, gonadotropin-releasing hormone]. 023984
Note on artificial insemination of Zebu cattle in Madagascar after *synchronisation* of **estrus** by norethandrolone. 024150
Estrus *synchronization* in cattle. 024181
Effect of vitamin A on the effectiveness of **estrus** *synchronization* in sows. 024262
Synchronization of **function** in the foregut of the blowfly Phormia regina (Diptera: Calliphoridae) during the crop-emptying process. 029289
Hydroxyurea *synchronization* of bovine fetal spleen cells. 023400
Synchronous **impulsive** sprinkling. 030681
Synchronization and **induction** of estrus in heifers with a progestagen and estrogen. 023998
Synchronization of **Oestrus** in cows using intravaginal silastic coils containing progesterone. 023999
Synchronization of **oestrus** in heifers and cyclic cows with progestagens and prostaglandins analogues alone or in combination. 024000
Synchronization of **oestrus** and ovulation in the mare with a two PG-HCG [prostaglandin-human chorionic gonadotropin] sequences treatment. 024001
Equations of evolution of the structure and density of *synchronous,* **relatively** steady—state biological communities. 030988
Synchronization and **stimulation** of estrus in sheep with Megestrol acetate and pregnant mare's serum. 024270
Early weaning and first frenzy **successively** *synchronized* [Swine]. 023730

SYNCHYTRIACEAE

Pathogenic races of potato wart *[Synchytrium* **endobioticum** (Schilb.) Perc.] and their virulence. 028019
Possibilities of protecting potatoes against warts *[Synchytrium* **endobioticum].** 028101
Nucleoproteids from sprouts of potato varieties resistant and susceptible to the **fungus** *Synchytrium* endobioticum (Schilb.) Perc. [Wart]. 028016

SYNDROME

Biochemical studies of the **"collapse** *syndrome"* in suckled calves. 024912
Egg **drop** *syndrome* (EDS) [Poultry]. 024844
The fate and effect of hairs removed from honeybees [Àpis mellifera] with **hairless-black** *syndrome*. 029843
Round **heart** *syndrome* in chickens in Ankara. 024865
The role of the infectious bursal agent and several avian adenoviruses in the **hemorrhagic-aplastic-anemia** *syndrome* and gangrenous dermatitis [Broilers]. 024451
S-gene action and the significance of characters in the **heterostylous** *syndrome* [Plants]. 026159
The effects of choline and inositol on hepatic lipid metabolism and the incidence of the fatty liver and **kidney** *syndrome* in broilers [Chickens]. 024829

SYNECHOCOCCUS

On the nature of the iron sulfur cluster in a deuterated algal ferredoxin *[Synechococcus* **lividus].** 026409

SYNECOLOGY

Synecology of the **anthropogenic** grasslands in Valdivia Province, Chile. 025858

SYNERGISM

Synergistic **action** of tylosin and oxytetracycline against bovine Pasteurella isolates [Cattle]. 024783
Synergism of **resmethrin** in the house fly [Musca domestica]. 029027

SYNOPTIC

Vertical integration and contracts in agriculture. IV. *Synoptic* **survey.** 021281

SYNOVIA

The response of chickens to experimental infection 'in ovo' with **Mycoplasma** *synoviae*. 024460

SYNTHESIS

Changes in lectin-induced deoxyribonucleic **acid** *synthesis* in cultures of chick-embryo fibroblasts at various stages of development. 023274
The effect of convulsions induced by flurothyl on ribonucleic **acid** *synthesis* in rat cerebral cortex during the recovery phase. 023291

In vivo studies of the site of fatty **acid** *synthesis* in the rabbit. 023448
Effect of ribose and ribose-5-phosphate on uric **acid** *synthesis* in the chicken. 023574
Synthesis and **adrenergic** neuron blocking properties of some alkylating analogues of bretylium [Rabbits]. 023265
Studies on the production of mycotoxins and their quantitative determination. 4. The extent of **aflatoxin** *synthesis* by Aspergillus flavus in dependence on quality and quantity of the carbohydrates available [Milk contamination]. 021948
Important role of tryptophan on **albumin** *synthesis* in patients suffering from anorexia nervosa and hypoalbuminemia. 022002
Stimulation of **albumin** *synthesis* by amino acids following partial hepatectomy in the rat. 022009
Synthesis and **amino** acid composition of basic proteins in mammalian sperm nuclei. 024064
Synthesis and **analysis** of phytyl and phytenoyl wax esters [Hygrohypnum luridum, Paraleucobryum longifolium, Phleum pratense]. 026665
Synthesis and **anticytokinin** activity of 4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines [Tobacco]. 027012
Synthesis of **beta-glucanase** and other extracellular proteins by cells and protoplasts of the yeast Pichia polymorpha. Effect of 2-deoxy-D-glucose. 026382
A convenient **biological** *synthesis* of 19-hydroxy[4-14C] [carbon isotope]4-androstene-3,17-dione from [4-14C]4-androstene-3,17-dione with sow ovarian 19-hydroxylase. 023505
Synthesis of **brain-specific** acidic proteins in rat and mouse cerebral slices. 023190
Synthesis and **carbon-13** studies of malathion acid derivatives. 029112
Cell-free *synthesis* of the major storage protein of the bean, Phaseolus vulgaris L. 027262
Chemical *synthesis* of nbeta-oxalyl-L-alpha,beta-diaminopropionic acid and optical specificity and its neurotoxic action[Lathyrus sativus]. 026402
Timing and function of **chitin** *synthesis* in yeast [Saccharomyces cerevisiae]. 026626
Inhibition of **chlorophyll** *synthesis* in Lemna minor by nalidixic acid. 026446
Chlorophyll *synthesis* in a yellow mutant of wheat. 026900
Synthesis of **cholesterol** esters in the plasma and liver of sheep. 023585
Ascorbic acid and **collagen** *synthesis* in cultured fibroblasts. 022020
Moulting hormone and **cuticle** *synthesis* by epidermal cells of in vitro cultured cockroach embryos [Blabera cranifer]. 029271
Production by creatine of creatine kinase B *synthesis* in **developing** monolayer culture muscle cells [Chick embryos]. 023312
Lipid metabolism during bacterial growth, sporulation, and germination: **differential** *synthesis* of individual branched and normal-chain fatty acids during spore germination and outgrowth of Bacillus thuringiensis [Bacteria, insects biological control]. 028660
Synthesis and **differentiation** of plasma proteins in cultured embryonic chicken liver cells: a system for study of regulation of protein synthesis. 023624
Synthesis of **dihydro-2,3** hydroxy-5 [4H] pyrones-4, a new analogue of dihydromaltol [Strawberries, pineapples]. 027296
The *synthesis* of **dimethyl** esters of dl-O,O'-dimethylfukiic acid and dl-O,O'-dimethylepifukiic acid [Petasites japonicus]. 026352
DNA *synthesis* in circulating erythroblasts of anemic duck. Isolation and properties of nuclear and cytoplasmic-nonmitochondrial DNA. 024069
Effect of isoleucine deprivation on rabbitpox virus **DNA** *synthesis* in mouse L cells. 024602
Comparative effects of fusicoccin and gibberellic acid on the promotion of germination and **DNA** *synthesis* initiation in Haplopappus gracilis. 026798
The effect of 8-hydroxyquinoline on **enzyme** *synthesis* in the fission yeast Schizosaccharomyces pombe. 026556
Promotion of softening and **ethylene** *synthesis* in Bartlett pears by 3-methylene oxindole. 022960
Influence of varying temperature conditions on the respiration of **ethylene** *synthesis* and organoleptic behaviour of Passe-Crassane pears. 027229
Preparation and purification of an enzyme system for **ethylene** *synthesis* from acrylate [Kidney beans]. 027231
Characterization of the terminal stages of chlorophyll(ide) *synthesis* in **etioplast** membrane preparations [from maize and barley]. 026904
Synthesis of **(7E,9Z)-7,9-dodecadien-1-yl** acetate, a sex pheromone of [the European grape vine moth] Lobesia botrana. 028894
Synthesis of **flavonoids.** 026581
Synthesis and **flavor** properties of some alkyl-substituted alpha-pyrone derivatives [Food flavorings]. 022116
Structure—activity relationships in fungitoxicants related to triforine and chloraniformethan. I. *Synthesis* and **fungitoxicity** to Erysiphe graminis on barley [Powdery mildew]. 028040
Enzymes of **glycerolipid** *synthesis* in small-intestinal muscosa of foetal and neonatal guinea pigs. 023277
Synthesis of **guaiacylglycerol-beta-guaiacyl** ether [Lignin chemistry]. 025367
Synthesis of **guanosine** 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. 023305
Synthesis and **herbicidal** activity of the optical isomers of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate [Rice, Echinochloa crus-galli]. 028485
Studies on the *synthesis* of **heterocyclic** compounds. CDXXXIV. A novel total synthesis of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. 026634
Syntheses of **hexahydroindole-2,6-diones** and 15,16-dimethoxyerythrinane-3,8-dione [Erythrina]. 026519
Rabbit aortic endothelial and medial **histamine** *synthesis* following short-term chloesterol feeding. 023404
Isolation, identification and *synthesis* of **host-seeking** stimulants for cardiochiles nigriceps, a parasitoid of tobacco budworm [Heliothis virescens]. 028722
Synthesis of **10-hydroxy-cis-8-decene-4,6-diynoic** and 9-hydroxy-cis-7-nonene-3,5-diynoic acids [from the fungus Fistulina pallida]. 026349
Auxin-synthesis **inhibition** by abscisic acid, and its reversal by gibberellic acid [Avena]. 026872
Studies on potential pesticides. VI. *Synthesis* and **insecticidal** activity of several new dithiocarbamates [Musca domestica]. 029017
Differential effect of hormones on **macromolecular** *synthesis* and mitosis in chick embryo cells. 023493
Synthesis and some **major** functions of vitamin C in animals. 023243
Microfibril *synthesis* at the surfaces of isolated tobacco mesophyll protoplasts, a freeze-etch study. 026059
Synthesis of **myosin** heavy and light chains in muscle cultures [Chick embryos]. 023498
Evaluation of **newly** *synthesized* insect growth regulators against Anopheles quadrimaculatus, Anopheles albimanus, and Aedes taeniorhynchus. 029041
Evidence for ammonium-dependent de **novo** *synthesis* of glutamate dehydrogenase in detached oat leaves. 027023
Hormonal regulation of **ovalbumin** *synthesis* in the chick oviduct. 023641
Identification of genomes and chromosomes involved in **peroxidase** *synthesis* of wheat seeds. 026110
The behavior of fetal canine cardiac cells in culture: *synthesis* and **phosphorylation** of myosin. 023384
Study of the tall fatty acids as a raw material for the *synthesis* of **plasticizers-stabilizers** [Epoxidized ethers]. 025335
Prostaglandin *synthesis* in rabbit renal medulla. 023583
Effects by heme, insulin, and serum albumin on heme and **protein** *synthesis* in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. 023480
Synthesis and differentiation of plasma proteins in cultured embryonic chicken liver cells: a system for study of regulation of **protein** *synthesis.* 023624
Zinc deficiency and **protein** *synthesis* in the pig. 023646
Skeletal muscle, liver and wool **protein** *synthesis* by sheep infected by the nematode trichostrongylus colubriformis. 024429
Turnover of polyadenylated messenger RNA in fission yeast [Schizosaccharomyces pombe]. Evidence for the control of **protein** *synthesis* at the translational level. 026148
Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and **protein** *synthesis* [Fungi]. 026390
Loss of cytochrome oxidase in Saccharomyces cerevisiae [Yeasts] during inhibition of mitochondrial **protein** *synthesis* by erythromycin and chloramphenicol. 026647
Cyclic AMP [adenosine monophosphate]-induced changes in **protein** *synthesis* in a cellular slime mold, Polysphondylium pallidum. 026689
Relationship between hormone titres and RNA and **protein** *syntheses* when the change to the pupal programme occurs in the silkworm, Bombyx mori. 029839
Synthesis of **4-pyridoxyacetic** acid via a pyridine N-oxide derivative [Plant regulators]. 026520
Synthesis and **regeneration** of proteins in isolated roots of Pinus sylvestris and Picea excelsa in a sterile culture. 027322
Gibberellin-affected methylation and *synthesis* of **ribosomal** RNA in isolated maize seed scutellum. 027034
Characterization and localization of the **RNA** *synthesized* in mature avian erythrocytes [Chickens]. 023398
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with viral **RNA** *synthesis* in Aedes albopictus cells. 029504
Studies of plants containing indole alkaloids. 5. Identification of tetrahydrosecamine in Amsonia elliptica Roem. et Schult. and the *synthesis* of **secamine** and presecamine. 026655
Insect immunity. II. Simultaneous induction of antibacterial activity and **selective** *synthesis* of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. 029373
The *synthesis* of **3-spirooxindole** derivatives. VII. Total synthesis of alkaloids (plus/minus)-rhynchophylline and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. 026523
Studies on tetrahydroisoquinolines. X. A **stereospecific** *synthesis* of (plus/minus)-cataline [Glaucium flavum vestitum]. 026517
The regulation of riboflavin **synthetase** *synthesis* by iron in flavinogenic yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400
Synthetic studies on Lythraceae alkaloids. IV. **Total** *synthesis* of (plus/minus) methyldecinine. 026521
The synthesis of 3-spirooxindole derivatives. VII. **Total** *synthesis* of alkaloids (plus/minus)-rhynchophylline and (plus/minus)-isorhynchophylline [Uncaria rhynchophyla]. 026523
Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel **total** *synthesis* of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, Tabernaemontana psychotrifolia]. 026634
Total *synthesis* of compounds related to the homoerthrina alkaloids [Schelhammera pedunculata]. 026852
Synthesis of **trans-1-acetoxy-10-(n-propyl)-tri-deca-5,9-diene** (Propylur), sex attractant of the cotton moth [Pectinophora gossypiella, control]. 028795
Synthesis of **versicolorin** A by a mutant strain of [the mold] Aspergillus parasiticus [Fungi] deficient in aflatoxin production [Heritability]. 026187
Isolation and structure of coprine, a novel physiologically active cyclopropanone derivative from Coprinus atramentarius and its *synthesis* **via** 1-aminocyclopropanol. 027157
Vitellogenin *synthesis* in the avian liver: vitellogenin in the precursor of the egg yolk phosphoproteins. 023491
In **vitro** *synthesis* of full-length DNA transcripts of Rous sarcoma virus RNA by viral DNA polymerase. 024671
In **vitro** *synthesis* of cytokinins in isolated roots of lupine (Lupinus albus L.) treated with leaf extracts. 026918
The in **vitro** *synthesis* of viral protein and its regulation [Brome mosaic virus]. 028246
Polyadenylate sequences of fowl plague virus complementary RNA (cRNA) *synthesized* in **vivo** and in vitro. 024766

SYNTHETASES

Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with **aminoacyl** *synthetase* from barley seedlings and yeasts]. 026773
The interaction of N-acetylglucosamine and an affinity-label analogue with alpha-lactalbumin [whey protein of milk] **andlactose** *synthetase.* 022563
Temperature-sensitive mutants of the yeast [Saccharomyces cerevisiae] *fatty-acid-synthetase* **complex.** 026555
Effect of pyridoxal phosphate and cysteine on **delta-aminolaevulinate** *synthetase* and dehydratase in soya. 027007
Regulation of activity of **glutamine** *synthetase* from pea seeds by keto acids and AMP [adenosine-5'-monophosphate]. 027134
The regulation of **riboflavin** *synthetase* synthesis by iron in flavinogenic yeasts [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400
Kinetic studies of leucyl transfer **RNA** *synthetase* from Bakers' yeast: Order of addition of substrates and release of products. 026628

SYNTHETICS

Biophysical characterization of mesophyll and bundle sheath chloroplasts isolated from the leaves of Eleusine coracana, an aspartate-type C-4 plant. I. Light **absorbing** *photo-synthetic* pigment composition. 026599
The use of *synthetic* **amino** acids [in livestock feeding]. 023854
The use of *synthetic* **analogues** of prostaglandins for inducing luteolysis in mares. 024012
For a *synthetic* **approach** of socio-economic and ecological problems of arid and semi-arid zones. 021124
Germinating capacity of some maize open pollinated varieties, inbreds, hybrids, *synthetics* and **composites** in saline substrate. 026965
Macro- and microscopic examinations on the effect of a *synthetic* **gonadotrophin** releasing hormone (GnRH) in cattle with cystic ovaries. 024274
Experiences with a *synthetic* **gonadotropin-releasing** hormone in sterility [Cattle]. 024229
Antioxidant function of tocopherol and possibility of replacing it by *synthetic* **inhibitors** [Chemistry]. 022214
Effect of *synthetic* **juvenile** hormone analogues on the silkworm Bombyx mori L. 029865
Rearing turnip moth [Agrotis segetum] on a *synthetic* **medium.** 028913
Controlling cockroaches [Blattidae] without *synthetic* **organic** insecticides. 028986
Microbial degradation of *synthetic* **organic** pesticides in rice soils. 029102
The use of *synthetic* **(plus/minus)-S-1-propyl-L-cysteine** sulphoxide and of alliinase preparations in studies of flavour changes resulting from processing of onion (Allium cepa L.). 022953
Control of the oestrous cycle in Friesian heifers with ICI 80,996, a *synthetic* **prostaglandin** analogue, structurally related to PGF2alpha [prostaglandin F2alpha]. 023981
General and specific combining ability in lucerne at different levels of inbreeding and performance of **second-generation** *synthetics* measured in competitive conditions. 026172
Synthetic **studies** on Lythraceae alkaloids. IV. Total synthesis of (plus/minus) methyldecinine. 026521
The attractiveness to bees [Apis mellifera] of *synthetic* **wasp** [Vespula] attractants. 029830

SYRINGA

Economic aspects of cultivation of lilacs *[Syringa,* **costs].** 021430

SYRPHIDAE

Large-scale occurrence of *Syrphidae* and **Coccinellidae** [Plant pests, Austria]. 028673
Record of lunate fly, Eumerus sp. *(Syrphidae:* **Diptera)** on potatoes from India. 028831

SYRUP

New type of box for breaking cacao with a device for **collecting** *syrup.* 022416

Persistence of tetracycline activity in **medicated** *syrup* stored in honeybee [Apis mellifera] colonies in late spring. 029822
Influence of different **sucrose** *syrup* concentrations and presence of species members on the foraging behaviour of wasps (Hymenoptera: Vespidae). 029338

SYSTEMATICS *see* TAXONOMY

SYSTEMIC
The effect of membrane-active substances and antibiotics with a *systemic* **action** on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. [Cotton wilt compared withtomato rot, Botrytis cinerea]. 028026
Communication pattern of farmers: a *systemic* **analysis.** 021105
Comparative action of *systemic* **antibiotics** against Clitocybe mellea, parasite of spermatophytes. 027913
Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and *systemic* **blood** fractions [Rabbits]. 023608
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants **following** *systemic* infection with tobacco mosaic virus. 028258
Systemic **fungal** infections in pets. 024679
Movement of methyl 2-benzimidazolecarbamate into soybean seeds after foliar application of Benomyl *[Systemic* **fungicides,** Penicillium expansum]. 028056
Hours and misfortunes of *systemic* **fungicides** in the control of gray rot [Botrytis cinerea] of grapes. 028092
Evaluation of *systemic* **fungicides** [Residues] Ref. 029125
Local and *systemic* **immune** responses following oral immunization of foetal lambs. 024531
Newcastle disease virus pathogenesis in the respiratory tract of local or *systemic* **immunized** chickens. 024444
Systemic **infestation** by cucumber mosaic virus on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Centromeric sensitivity of mouse chromosomes to the *systemic* **insecticide** dimethoate (Rogor). 024949
Metabolism of *[systemic* **insecticide]** thiofanox in cotton plants [Residues]. 029110
Aerial application of *systemic* and **nonsystemic** fungicides for control of mummy berry disease [Monilinia vaccinii-corymbosi] of highbush blueberry. 028066
Control of lucerne stem nematode [Ditylenchus dipsaci] withCGA 12223 *[Systemic* **organophosphorus** insecticides]. 028423
Toxicity of **organophosphorus** *systemic* pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
Influence of formulation on efficacy of **three** *systemic* fungicides for control of oat leaf rust [Puccinia coronata avenae]. 027926

TABANIDAE
Larval habitats of Tabanus subsimilis subsimilis Bellardi in southeast Texas **(Diptera:** *Tabanidae).* 029071
Influence of trap screen age on collections of *tabanids* in **Malaise** traps [Tabanidae]. 029045
Seasonal distribution and variations in diurnal activity of *Tabanidae* in the **Republic** of Zambia. 029055
Influence of trap screen age on collections of tabanids in Malaise **traps** *[Tabanidae].* 029045

TABANUS
Transmission of equine infectious anemia virus by *Tabanus* **fuscicostatus.** 024587
Some environmental factors affecting the daily and seasonal movements of the salt marsh greenhead, *Tabanus* **nigrovittatus.** 029012
Larval habitats of *Tabanus* **subsimilis** subsimilis Bellardi in southeast Texas (Diptera: Tabanidae). 029071

TABEBUIA
Current situation of *Tabebuia* **cassinoides** (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao Joao River valley, Rio de Janeiro [National forest resources, conservation]. 025076

TABERNAEMONTANA
Studies on the synthesis of heterocyclic compounds. CDXXXIV. A novel total synthesis of olivacine (1,5-dimethyl6H-pyrido[4,3-b]-carbazole) [Aspidosperma olivaceum, Aspidosperma longepetiolatum, Aspidosperma australe, *Tabernaemontana* **psychotrifolia].** 026634

TACHINIDAE
Indirect action of the larval food of an alternative host (Galleria mellonella (L.) (Lepidoptera, Galleriidae) on the reproductive possibilities of an entomophagous insect (Lixophaga diatraeae (Towns) **(Diptera,** *Tachinidae)).* 029268
New observations on flies of the **family** *Tachinidae* which parasitize Lepidoptera. 029487
Tachinidae as **parasites** of insect pests [of plants; natural control]. 028695

TACHYCARDIA
Mechanism of diuretic response associated with **atrial** *tachycardia* [Dogs]. 023219

TAENIA
The location of Taenia pisiformis, Taenia ovis and *Taenia* **hydatigena** in the gut of the dog and its effect on net environmental contamination with ova. 024792

TAENIOPTERYX
Structure and function of the respiratory epithelium in the tracheal gills of stonefly larvae [Perla, **Protonemura,** *Taeniopteryx].* 029419

TAGETES
Marigold *[Tagetes]* **cultivation** for pleasure and profit. 027735
Ultraviolet-mediated antibiotic activity of thiophene compounds of *Tagetes* **[patula,** photoxic to Candida albicans]. 026772

TAIGA
Biological cycle of chemical elements in **Central** *Taiga* fir forests [Forest litter, soil humus]. 030284
Establishing forest stands in the *taiga* **zone** [Silviculture]. 025205
Mechanization of logging operations in the *taiga* **zone.** 025433
Timber harvesting operations in the *taiga* **zone** of the USSR and abroad. 025434

TAIL
The effect of *white-tailed* **deer** and showshoe hare browsing on trees and shrubs in northern Minnesota [Injuries]. 025060
The effect of castration on weight gain and carcass quality in **male** *fat-tail* sheep. 024290
Phosphate, algae, and **taconite** *tailings* in the western arm of Lake Superior. 025918

TAIWANIA
Variations in seedling characters of *Taiwania* **cryptomerioides** from various provenances. II. 027308

TAMARIND
Volatile constituents of *tamarind* **(Tamarindus** indica L.). 022921

TAMARINDUS
Volatile constituents of **tamarind** *(Tamarindus* indica L.). 022921

TANACETUM
Controlling *tansy* ragwort [Senecio jacobaea, biological control with cinnabar moth]. 028516
The stereospecificity of alcohol oxidases from *Tanacetum* **vulgare** [leaves] and [the yeast] Canadia boidnii. 026397

TANKS
Improvement of technology of *tank* **aging** of cognac spirits. 022992
Sampling from containers, kegs, *tanks* and **drums** [Food bacteria]. 021900
Solution of anticorrosive protection of inner walls of **fecal** *tanks.* 029896
Automatic sample taking equipment for bacterial [contamination] count in **milk** *tank* trucks. 021866
Reflections upon the **one** *tank* procedure [Fermentation]. 022392
Determination of oxygen during aging of cognac **spirits** in *tanks.* 022989
Tank **trucks** for fluid manure. 030037
Large **volume** *tanks* [for beer processing]—a review. 022547

TANNING
Meal from *tannery* **wastes** in swine rations. 023958

TANNINS
Inhibitory action of **five** *tannins* on growth induced by several gibberellins [in peas]. 027273
Effects of the treatments by enzymatic preparations and *tannin* **phenolics** absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the oils and of the wastewaters. 022979
Plant *tannins,* bloat and nutritive value [Cattle]. 023832
Isolation of *tannin* from **sumac** [Rhus] leaves. 027161

TANSY *see* TANACETUM

TAPE
A method for describing the *taper* of saw **logs.** 025368
Preparing a *slide-tape* **program** = a step-by-step approach, part 1. 022282

TAPEWORM
Thymus dependence of *tapeworm* **(Hymenolepis** diminuta) elimination from mice. 024576
In vitro hatching of the *tapeworm* **Moniezia** expansa (Cestoda: Anoplocephalidae) and some properties of the egg membranes [Sheep]. 024789

TAPINOMA
Contribution to the study of the biology and polygyny of the **ant** *Tapinoma* simrothi phoenicium Emery. 029262

TAPIOCA
Effect of replacing barley with *tapioca* **meal** at two different levels of feeding on the growth and health of early weaned pigs. 023792

TAPPING
New [pneumatic] tree facer for **resin** *tapping* using sulfite-yeast [as stimulator]. 025317
Technical progress in the field of **resin** *tapping* from forest trees. 025337
The effectiveness of **resin** *tapping* using new [chemical] stimulants in the Central Urals. 025343

TAR
The paramagnetic properties of settled **wood** *tar.* 025349

TARA
Tara **Hills** high country survey 1973 [Sheep, cattle, pastures]. 023156

TARAXACUM
The **genus** *Taraxacum* [New taxa]. 025761
Taraxacum **vagum,** a new species from Iran. 025575

TARGET
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for *target* **cells** coated with bacterial outer unit membrane [Leptospira interrogans canicola]. 024530
Estrogen *target* sites in the brain of the chick embryo. 023653
Forestry production and **planting** *targets.* 025218
Targets **taking** shape for education, research [Cooperatives]. 021123

TARO
Isolation and some properties of *taro* **root** starch. 022890

TARSONEMIDAE
New and interesting mites from the Geneva Museum. XV. Contribution to the *Tarsonemidae* **fauna** from South India (Acari) [New taxa]. 029677

TARSUS
Studies of some twitch and fatigue properties of different motor unit types in the *ankle* **muscles** of the adult cat. 023188
The postnatal development of some twitch and fatigue properties of single motor units in the *ankle* **muscles** of the kitten. 023192

TASTE
Taste of **acetylated** amino acids. 022068
The *tastes* of **artificial** sweeteners and their mixtures. 022070
Effects of breed and forage vs grain feeding on **beef** *palatability* and shelflife. 022701
Structure and **bitter** *taste* in the hulupone series [Food chemistry]. 022524
Relations between structure and **bitter** *taste* of amino acids and peptides. I. Amino acids and related compounds [in food]. 022553
Receptive fields of **cat** *taste* fibers. 023371
Chemical, *palatability* and **cooking** characteristics of normal and low quality [pale, soft, exudative] pork loins as affected by freezer storage. 022674
Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group II unit **discharge** *[Taste].* 023370
Effect of quality grade and cut formulation on the *palatability* of **ground** beef patties. 022679
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result [Thresholds for **odor** and *taste].* 022066
Seasonal change of *palatability* of **orchardgrass** [Dactyis] varieties [Ewes, grazing]. 023874
The *taste* **pore** of the fleshfly [Boetticherisca peregrina] labellar hair. 029402
Factors affecting *taste* in **potatoes** [Composition, storage]. 022983
Histochemical and *palatability* **properties** of muscle longissimus from stress-resistant and stress-susceptible porcine animals. 023455
America's quiet **revolution** in *taste.* 022346
Revolutionary *taste* sensations. 022312
Structural functions of *taste* in the **sugar** series: binding characteristics of disaccharides [Food products]. 022512

TAURUS
Prenatal development of the autonomic innervation to the pelvic viscera in ox **(Bos** *taurus).* 023444
Comparative macro-anatomic and subgros investigations on the eyes of the native buffalo (Bos bubalis) and the ox **(Bos** *taurus)* [Eyelids]. 023525

TAXATION
Land valuation for *tax* **assessment** and land use planning: The search for and use of appropriate measures. 021177
Income *tax* considerations for 1975 [Dairy farming]. 021378
Federal **income** *tax* reporting for timber owners. 025082
Taxes **levied** on farm personal property, 1960-72. 021362
Conservation and reforestation closely allied to **problem** of *taxation.* 025138
Landowner behavior at the rural-urban fringe in response to preferential **property** *taxation.* 021407
An alternative to the farm **property** *tax* in Georgia. 021435

TAXONOMISTS
Yukio Yamada **[Japanese** *taxonomist,* algae]. 025631

TAXONOMY

Recent experimental investigations on the Apennine fir [**Abies,** *taxonomy].* 025706
Taxonomy of **aeromonades** from milk and other foods. 022620
Study of the pollen in less succulent Mesembryanthemaceae *[Taxonomy,* **anatomy].** 025652
Reduction of flowers as a central problem in the *systematics* of **angiosperms.** 025624
The **biochemical** *systematics* of flavonoids. 025702
Taxonomic and **biological** remarks concerning Macrophya (Hymenoptera, Tenthredinidae) developing on Sambucus (Caprifoliaceae). 029538
Biology without systematics or renaissance of systematics and *taxonomy?* **[Botany].** 025615
Systematics of the **Calyptridium** umbellatum complex (Portulacaceae). 025637
New studies on the embryology and *systematics* of **Centrolepidaceae.** 025620
Distribution of enzymatic browning of young shoot homogenates [as *taxonomic* **character**] in the Aurantioideae [including cultivated citrus species]. 025585
Problem of *taxonomic* **definition** of categories (species subspecies, prespecies, varieties)—the example of the genus complex Ophrys fuciflora (Crantz) Moench—Ophrys scolopax Moench—Ophrys scolopax Cav Cav. 025839
Microsporidia in Simulium larvae: *systematics;* **ecological,** pathological and cytochemical data. 028992
Studies of Mydidae (Diptera) *systematics* and **evolution.** I. A preliminary classification in subfamilies, with the descriptions of two new genera from the Oriental and and Australian regions. 029543
Studies of Mydidae (Diptera) *systematics* and **evolution.** II. Classification of the Mydinae, with description of a new genus and a revision of Ceriomydas williston. 029544
Further *taxonomic* notes on Rubiaceae in Europe [Galium, Cruciata]. 025793
The species concept and the *taxonomy* of the **genus** Amelanchier (Rosaceae). 025651
Taxonomy of the **genus** Trichogramma. 029711
Study on the *systematics* and **geonemy** of Xantholinus. XI. A new species at the Geneva Museum of Natural History: Xantholinus (Acanthophallus) baeticus n. sp. (Coleoptera, Staphylinidae). 47th contribution to the knowledge of Staphylinidae. 029687
Investigatons on *taxonomy,* **host** plants and distribution of the long-horned beetles (Cerambycidae-Coleoptera) in Aegean Region. 028682
Hybrids and **hybrid** *taxa* from Ophrys bertolonii and Ophrys atrata (Ochidaceae) [Italy]. 026234
Studies in fruit-body development in the Bolbitiaceae [Fungi] and the *[taxonomic]* **implications** of such work. 025784
Taxonomic **implications** of doryline worker ant morphology: Cheliomyrmex morosus (Hymenoptera: Formicidae). 029534
Contributions to the morphology and *systematics* of **Klugieaeand** Loxonieae (Gesneriaceae). I. Shoot and inflorescence organization of Monophyllaea R. Br. [Monophyllaea horsfieldii, Monophyllaea hirticalyx]. 025952
Local *taxonomy* and terminology for some terrestrial arthropods in five different ethnic groups of Papua New Guinea and central Australia. 029615
Melastomataceae *[Taxonomy].* 025696
Revision of the Seuratiaceae. II. *Taxonomy* and **monenclature** of Seuratia [Fungi]. 025665
New *taxa* of the Ranunculus auricomus complex in Finland. III. 025578
A nematode-destroying hyphomycete forming parallel multiseptate hyaline conidia in circular arrangement [Haptocara latirostrum, Fungi, **new** *taxa].* 025583
Mosses and hepatics from the Thule district, northwestern Greenland [**New** *taxa].* 025586
Leotia, Cudonia, Spathularia [rufa] and Neolecta [vitellina] (Ascomycetes) in Finland [**New** *taxa].* 025601
Plagiomnium acutum, comb. Nova (Musci, Mniaceae) [**New** *taxa].* 025603
Liliifloris notulae. 1. Characteristics of Haemanthus (Amaryllidaceae) [**New** *taxa].* 025618
Moss [Musci] parasitic species of lichen genera Micarea and Vezdaea [**New** *taxa].* 025619
On ABromeitiella brevifolia and Abromeitiella chlorantha (Bromeliaceae) [**New** *taxa].* 025621
Preliminary work of a monograph on the lichen family Roccellaceae Chev. I. The genus Sagenidium Stirt. [**New** *taxa].* 025623
Revision of algicolous Zignoella spp. And description of Pontogeneia gen. nov. (Ascomycetes) [**New** *taxa].* 025626
Revision of the genus Joosia (Rubiaceae) [**New** *taxa].* 025634
The variation and evolution of selected species of Solanum section Basarthrum [**New** *taxa].* 025638
Centenary of Pilaira (Van Tieghem, 1875) [Fungi, **new** *taxa].* 025646
Additions to the genus Delitschia [Fungi, **new** *taxa].* 025657
Contributions to a knowledge of the Macaronesian Santalaceae R. Br. [**New** *taxa].* 025685
On Theopsis chrysantha Hu [**New** *taxa].* 025714
A comparative account of the fern-genera Syngramma J. Sm. and Taenitis Willd., with discussion of their relationships to each other and to other genera [**New** *taxa].* 025726
Cyrtandra (Gesneriaceae) in the Bismarck Archipelago and Solomon Islands [**New** *taxa].* 025731
Four **new** *taxa* in Turkish Crocus (Iridaceae). 025732
Notes on Euodia (Rutaceae) in the Mascarene Islands [**New** *taxa].* 025735
Species of the subtribe Sevadinae (Chenopodiaceae) [**New** *taxa].* 025736
Studies in the Rubiaceae—Rubioideae for the Flora of Tropical East Africa. I. [**New** *taxa].* 025737
Descriptive flora of the Nimba mountains. 3. [**New** *taxa].* 025740
Descriptive flora of the Nimba mountains. 4. Descriptive inventory of the flora of the Nimba mountains (Ivory Coast, Guinea, Liberia). 4. [**New** *taxa].* 025741
Distantes (Pinnularia, Bacillariophyceae). A critical compilation [**New** *taxa,* algae]. 025759
The genus Taraxacum [**New** *taxa].* 025761
A reevaluation of Panellus and Dictyopanus (Agaricales) [Fungi, **new** *taxa].* 025765
A revision of the genus Alpova with notes on Rhizopogon and the Melanogastraceae [Fungi, **new** *taxa].* 025766
Notes on Western species of Helvella. I. [Fungi, **new** *taxa].* 025778
Some common North American species of Russula subsect. Emeticinae [Fungi, **new** *taxa].* 025782
Some new North American species of Tomentella [Fungi, **new** *taxa].* 025783
Studies in the Tricholomataceae: Hygrophoropsis, Cantharellula, Myxomphalia, Omphaliaster [Fungi, **new** *taxa].* 025785
Chionochloa species from Australia and New Guinea (Poaceae: Arundinoideae) [**New** *taxa].* 025817
Studies of American plants. X. [**New** *taxa].* 025851
Studies of American plants. XI. [**New** *taxa].* 025852
A revision of the genus Heterococcus Ferris with a diagnosis of Brevennia Goux (Homoptera: Coccoidea: Pseudococcidae) [**New** *taxa].* 029498
Observations on some soil Actinedida (= Prostigmata) from North America. II. Redescription of Neophyllobius farrieri De Leon 1958 (Acari, Raphignathoidea, Camerobiidae [**New** *taxa].* 029525
Parasitic mites of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: Trombidiformes) of phyllostomid and desmodontid bats, with a key to known species [**New** *taxa].* 029527
Revision of the family Oppiidae Grandjean 1953 (Acarina, Oribatei) [**New** *taxa].* 029528
A revision of the Argentine species of Epirhyssa (Hymenoptera, Ichneumonidae) [**New** *taxa].* 029530
A revision of the South American spider genus Trachelopachys (Araneae, Clubionidae) [**New** *taxa].* 029531
A revision of the genus Cerenopus (Coleoptera: Tenebrionidae) [**New** *taxa].* 029532
On some mountainous Canthonina (Coleoptera, Scarabaeidae) from Madagascar [**New** *taxa].* 029536
Revision of the Orthungini from the Malagasy Republic (Hemiptera, Reduviidae, Emesinae) [**New** *taxa].* 029537
The geographical differentiation of the cave milliped, Prionomatis nanaoredense [**New** *taxa].* 029540
Three galumnids (Acari, Cryptostigmata) from West Bengal, India [Galumna crenata, Galumna parascaber, Galumna flabellifera orientalis, **new** *taxa].* 029541
Revisional notes on African Charaxes, Palla and Euxanthe (Lepidoptera: Nymphalidae). X. [**New** *taxa].* 029546
The species of Chalcidoidea described from North America north of Mexico by Francis Walker (Hymenoptera) [**New** *taxa].* 029547
Nearctic and Palaearctic Heterotrissocladius (Diptera: Chironomidae) [**New** *taxa].* 029548
Revision of the spider genus Apollophanes (Araneida: Thomisidae) [**New** *taxa].* 029553
A monograph of the genera of the old world Hispinae (Coleoptera: Chrysomelidae: Hispinae) [**New** *taxa].* 029559
Contribution to the study of Neotropical Pachydemini (Coleoptera, Scarabaeidae, Melolonthinae) [**New** *taxa].* 029564
Identification tables of the species of genus Phyllophaga harris and its subgenus Phytalus Er. (Coleoptera, Melolonthidae) [**New** *taxa].* 029565
Monograph of Dynastinae (Coleoptera, Melolonthidae). 4. Tribe: Pentodontini of the Ethiopian Region. II. [**New** *taxa].* 029566
New Sericinae from Africa and India (Coleoptera, Melolonthidae) [**New** *taxa].* 029575
New South African Onthophagini collected by the Dung beetle research unit, Pretoria (Coleoptera, Scarabaeidae) [**New** *taxa].* 029576
Revision of the lacewing subfamily Crocinae (Neuroptera: Nemopteridae) [**New** *taxa].* 029580
Pseudoscorpions from Florida. 4. The genus Dinochernes (Chernetidae) [**New** *taxa].* 029590
Psuedoscorpions [Chelonethida] from the Maltese islands [**New** *taxa].* 029594
Coccoidea collected by the Hokkaido University Expedition to Nepal Himalaya, 1968 (Homoptera) [**New** *taxa].* 029598
The horii-group of Fiorinia associated with rhododendrons in East Asia (Homoptera: Coccoidea: Diaspididae) [**New** *taxa].* 029599
Concerning the fauna of bird lice parasitizing snipes of southern Turkmenistan [**New** *taxa].* 029600
On the fauna of bird lice (Mallophaga) of some birds from southern Turkmenistan (mainly of passerines and hoopoes) [**New** *taxa].* 029602
Anomalous Miridae (Heteroptera) from Australasia [Pseudopalaucoris, Mertilanidea, Termatomiris, **new** *taxa].* 029612
Cixiidae (Fulgoroidea: Homoptera) from Reunion Island [Oliarus, Aselgeoides, Brixia, **new** *taxa].* 029613
Description of nine Attacidae from South America (Lepidoptera) [**New** *taxa].* 029621
Description of nine Attacidae from South America (Lepidoptera) [**New** *taxa].* 029622
A preliminary review of the Stratiomyidae of Chile. II. [**New** *taxa].* 029629
The sawfly types of Abbe Leon Provancher (Hymenoptera: Symphyta) [**New** *taxa].* 029641
Mexican Pogonocherini (Coleoptera: Cerambycidae) [**New** *taxa].* 029644
Notes and descriptions of some North American Omethinae (Coleoptera: Omethidae) [**New** *taxa].* 029646
Additions to the nearctic Anthicus (Coleoptera: Anthicidae) [**New** *taxa].* 029654
Notes on the genus Lygistorrhina Skuse with the description of the first nearctic species [Lygistorrhina sanctaecatharinae] (Diptera: Mycetophiloidea) [**New** *taxa].* 029656
A consideration of the subgenus Metgaschizophyllum of the diplopod genus Ommatoiulus (Julidae) [**New** *taxa].* 029668
Collembola from wood holes in Styria (Austria) [**New** *taxa].* 029673
Contribution to the knowledge of the Histeridae from South India (Coleoptera) [**New** *taxa].* 029674
Indian bark and timber beetles. VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [**New** *taxa].* 029676
New and interesting mites from the Geneva Museum. XV. Contribution to the Tarsonemidae fauna from South India (Acari) [**New** *taxa].* 029677
Palpigrades from the Geneva Museum of Natural History [Eukoenenia, **new** *taxa].* 029679
Pseudoscorpions from Reunion island and Djibouti [**New** *taxa].* 029680
Revision of the Genus Cratna Raffray (Coleoptera, Pselaphidae) [**New** *taxa].* 029681
Some Acanthoceridae (Coleoptera, Scarabaeoidea) from South India [**New** *taxa].* 029683
Some Diplopoda from Turkey [**New** *taxa].* 029684
Studies on scorpions belonging to or deposited in the Geneva Museum of Natural History. I. Contribution to a better knowledge of the species and subspecies of scorpions of the genus Euscorpius Thorell, 1876 (family Chactidae) [**New** *taxa].* 029686
Symmocid moths (Lepidoptera) from Africa in the Museum d'histoire naturelle, Geneve [Dyscordaxis pygmeus, Afrosymmoca seydeli, **new** *taxa].* 029688
New Cychropsis finding from Nepal, with supplementary description of Cychropsis mandli Paulus (Coleoptera: Carabidae, Cychrini) [**New** *taxa].* 029691
Osmiinae from the Canary Islands (Insecta: Hymenoptera: Megachilidae) [**New** *taxa,* Osmia. 029692
The Himalayan species of Henoticus Thompson (Coleoptera: Cryptophagidae) [**New** *taxa].* 029695
The until now unknown species of the bee genus RhophitoidesSchenck (Hymenoptera: Apoidea: Halictidae) [**New** *taxa].* 029696
Thysanoptera notices. 3. (Insecta: Thysanoptera) [**New** *taxa].* 029697
Two noteworthy Hyperaspis species from East Africa Coleoptera: Coccinellidae) [**New** *taxa].* 029698
Revision of the stonefly family Nemouridae (Plecoptera): a study of the world fauna at the generic level [**New** *taxa].* 029699
Studies of the subtribe Tachyina (Coleoptera: Carabidae: Bembidiini). III. Systematics, phylogeny, and zoogeography of the genus Tachyta Kirby [**New** *taxa].* 029700
Taxonomic **notes** on Gracilaria mammillaris (Mont.) Howe and Gracilaria veleroae Dawson (Rhodophyta, Gigartinales) [Algae]. 025844
Taxonomic **notes** on the Amblypygi (Arachnida, Chelicerata) from Ethiopia and Somalia. 029632
Ecogeographic races of Lesquerella engelmannii (Cruciferae): distribution, chromosome **numbers,** and *taxonomy.* 025633
Wood anatomical classification using iterative character weighing [Rubiaceae, **numerical** *taxonomic* studies]. 025576
The status of higher basidial fungi in the *systematics* of **organisms.** 025748
Studies of the subtribe Tachyina (Coleoptera: Carabidae: Bembidiini). III. *Systematics,* **phylogeny,** and zoogeography of the genus Tachyta Kirby [New taxa]. 029700
On classification by color [**Plant** *taxonomy].* 025837
Progress in potted **plant** *systematics,* floristics and vegetation science in Austria during 1961-1971. 025848
Shoot morphology and *taxonomic* **position** of Carex curvula All. 025750
Taxonomy of **pseudomonads** from milk [Contamination]. 021949
Stray studies in the Coronophorales **(Pyrenomycetes).** I-3. *[Taxonomy].* 025826
Floral odors and **quantitative** *taxonomy* of Magnolia and Liriodendron. 025833
Biology without *systematics* or **renaissance** of systematics and taxonomy? [Botany]. 025615
Taxonomic **revision** of Aloina, Aloinella and Crossidium (Musci). 025644
Indian bark and timber beetles. VI. 312 contribution to the morphology and *taxonomy* of the **Scolytoidea** [New taxa]. 029676
The nature and *taxonomic* **significance** of the system of inheritance in Rosa nanothamnus (Rosaceae). 026097
Contribution to the knowledge of *ecologico-taxonomic* **situation** of the aspen (populus tremula L.) in Macedonia. 025846
Studies in Antarctic lichens. V. Lichenes Antarctici Exsiccati, Fascicle I, with additonal notes on the *taxonomy* of each **species.** 025757

Taxonomic **studies** on the genus Rhizopogon [Fungi]. I. Two new species from the Pacific Northwest. 025787
Taxonomic **study** of Gaillardia pulchella (Asteraceae-Heliantheae). 025853
Biology without systematics or renaissance of *systematics* and **taxonomy?** [Botany]. 025615
A conference dedicated to the **up-to-date** *systematics* of fungi [February 4-5, 1975, Moscow, USSR]. 025742
Some new chromosome numbers in the genus Acacia [**Vyto** *taxonomy].* 025843
Systematics and **zoogeography** of the family Neopseustidae with the proposal of a new superfamily (Lepidoptera: Neopseustoidea). 029701

TAXUS
A comparative study on the evolution of lipids and starch reserves at the the apex of *Taxus* **baccata** L. from healthy plants and plants parasitized by Taxomyia taxi Inch. 028879
Taxus **canadensis** Marsh.: a new state record for Tennessee. 025675

TEA
Some problems of propagating the **Anaseuli-1** *tea* clone by cuttings. 027862
The effect of residue moisture in wilted leaves on quality indices of fine **black** *tea.* 022541
Vascular restriction as the cause of 'Dimbula disease' of *tea* **(Camellia** sinensis) bushes. 028391
Problems of profitability of [other production] sectors and crops in *tea-growing* **collective** farms. 021443
Umbelliferone from *tea* **leaves.** 026510
The effect of forms of nitrogenous fertilizers on agrochemical properties of brown forest soils and the yield of *tea* **leaves.** 030535
The effect of nitrogenous nutrition [fertilizers] on the formation and accumulation of catechins in *tea* **leaves** in relation to irrigation under the conditions of Imeretia [USSR]. 030537
The effect of various levels of phosphorus fertilizers on the development of the root system and above-ground parts of the *tea* **plant.** 030540
The effect of various methods of trimming on the yield of *tea-bush* **plantations** of different age on podzolic soils. 027864
The effect of the condition of the buds on the cuttings of *tea* **plants** on the establishment and biology of growth. 026836
The creation of mother plantations and nurseries for the production of vegetatively **propagated** *tea* transplants. 027863
Chemical assessment of quality in *tea* and its **relation** to the market over an extended period. 021934
The nutritional and therapeutic value of *tea*—a **review.** 022148
A universal sprayer based on the system of the Colchis complex agricultural experimental station of the All-Union Research Institute of *Tea* and **Subtropical** Crops. 030129
Large **world** *tea* crop expected in 1974 [Production statistics]. 021516
World *tea* output to show slight increase in 1975. 021569
Stimulation of branching in **young** *tea* plants. 026318

TEACHING
The Cornell Diagnostic Observation and Reporting System for Student Description of **College** *Teaching* [in agriculture]. 021141
Fruit **crops** *teaching* and research at the University of Science and Technology, Kumasi, Ghana. 027602
1974 annual report of the **Federal** *Teaching* and Research Institute for Alpine Dairy Industry in Rotholz. 022608
Teaching **sheep** and suckler cow management at Greenmount. 023089

TEATS
Amputation of bovine medial dew claws on hindlegs as an aid in **controlling** *teat* trauma. 024389
To measure dynamic responses of a **cow's** *teat.* 023199
Determination and significance of iodine and chlorine residues in milk after *teat* **dipping.** 021846
Response of *teat* **enzymes** of sheep and cattle to stimulation by stilboestrol and oestrogenic subterranean clover. 024033
Chronic **fibrous** *teat* end lesions of lactating dairy cows. 024823
Clinical signs of the udders of sows and some characteristics of their secretions **[Irregular** *teats].* 024937
Contribution to the treatment of udder lesions and *teat* **wounds** in cattle with Actihaemyl. 024994

TECHNICIANS
The **first** *engineers-technicians* from Wadenswil [Horticulture, education]. 027839

TECOMA
2,3-dihydroxybenzoate 2,3-oxygenase from the chloroplast fraction of *Tecoma* **stans.** 026777

TEETH
Use of an inclined plane for correction of ectopic mandibular **canine** *tooth* in a dog. 024394
Occlusion in the **dog** *[Teeth].* 024906
Autoradiographic demonstration of the innervation of the *tooth* and the **parodont** [Cats]. 023349
A simple method for exposing plastic embedded structures for scanning electron microscopy [**Peristome** *teeth* of the moss Funaria hygrometrica]. 026028
The relationship of **rostral** *tooth* development to age in a group of Aberdeen Angus cross Friesian steers. 023344

TELEMETRY
A *telemetric* **aid** in establishing the cause of death in semidomesticated or wild animals [Reindeer]. 024292

TELEONEMIA
The suitability of *Teleonemia* **prolixa** (Stal) for biological control of Lantana camara in Australia. 028659

TELEVISION
Forest Service films available on loan for educational purposes to schools, civic groups, **churches,** *television.* 025028

TEMPERATE
Artificial interspecific hybridization in *temperate* and **tropical** species of Ruellia (Acanthaceae). 026098
Modes of sympodial development in woody plants of the *temperate* **zone.** 025969

TEMPERATURE
The influence of *temperature* on the **ability** of Aphelenchoides besseyi to survive dehydration [Rice, nematodes]. 028405
Soluble protein concentrate [food supplement] from alfalfa by *low-temperature* **acid** precipitation. 022775
Influence of *temperature* on **adult** biology and population growth of Bracon kirkpatricki [parasite of the pink bollworm, GPectinophora gossypiella]. 028709
High **air** *temperature* and poultry performance. 023138
Air *temperature* modification in Lumite field cages [used inentomological research] in alfalfa hay. 029400
Effect of ventilation on maximum **air** *temperatures* in twelve identical glasshouses. 029876
Digestibility and volatile fatty acids in steers and wethers at 21 and 32 Celsius **ambient** *temperature.* 023506
Effect of *temperature* on **blood** composition of Nevada deer. 023629
The role of butterfly wings in regulation of **body** *temperature.* 029422
Effects of *temperature* on the **bran** layers of rice kernels. 022744
Low-temperature-induced **cankers** and burls [injuries] in test conifers and hardwoods [Pinus, Malus, Tilia cordata, Ulmus]. 025018
Activity and stability of alpha- and beta-amylase at *temperatures* from 4 to -23 **Celsius** [Sweetpotatoes]. 022924
Interpretation of the transitory carbon dioxide emission by apple tissues (transition effect) observed after a **change** in *temperature.* 027151
Temperature **characteristics** of psychrophiles found in Oahu milk. 022626
Inhibition of larval growth of Dacus oleae (Diptera: Tephritidae) by streptomycin. I. Effect of duration of olive fruit immersion, *temperature,* and **chemical** additives on inhibition; effective site of topical application on oviposited olives. 028837
Effect of **chilling** *temperature* on the flowering and fruiting stage in the second rice crop. 026940
The relation between tillering capacity and **cumulative** *temperature* and its application in wheat culture. 027391
Light-dependent control [system] of **day** *temperature* for early tomato crops. 027615
Temperature and **daylength** requirements of Alstroemeria. 027635
The influence of *temperature,* **daylength** and light intensity on flowering in Hydrangea macrophylla (Thunb.) Ser. 027642
Molecular mobility and structure of elastin deduced from the solvent and *temperature* **dependence** of 13C [carbon isotope]magnetic resonance relaxation data [Calves]. 023301
Temperature **dependence** of chlorophyll a fluorescence in relation to the physical phase of membrane lipids in algae and higher plants. 026794
Temperature **dependence** of anaphase chromosome velocity and microtubule depolymerization [Tilia americana]. 027324
Effect of *temperature* on the **development** of Godronia cassandrae f. vaccinii cankers on lowbush blueberry. 027929
Influence of *temperature* on the **development** of incipient colonies of Nasutitermes nigriceps (Haldemann). 028963
Simulation of *temperature-dependent* **development** in population dynamics models [Anthonomus grandis, Trichoplusia ni, Heliothis zea]. 029288
Airflow and *temperature* **distribution** in greenhouses with fan ventilation. 029869
Temperature **distributions** [in air-dry and moist soil] under stones submitted to a diurnal heat wave. 030346
Zinc nutrition and *temperature* **effects** on tomato. 027206
Daily rhythm of Synanthedon pictipes (Lepidoptera: Aegeriidae) female calling behavior in Wisconsin: *temperature* **effects.** 029328
The Genetic effects of **elevated** *temperature* in the yeast, Saccharomyces cerevisiae. 026162
The effect of *temperature* and other **factors** on the expression of elytral pattern in lady beetle, Harmonia axyridis Pallas. 029259
Storage time and **fermentation** *temperature* of grass silage as factors affecting its voluntary consumption by sheep. 023055
Dormancy breaking in the light-sensitive seeds in *temperature* **forage** crops. IV. Seed development of orchardgrass (Dactylis glomerata L.) and change in germination behaviour during its development. 026996
Low-temperature **forced-air** drying of Appalachian hardwoods. 025536
Dielectric properties of wood and hardboard: variation with *temperature,* **frequency,** moisture content, and grain orientation. 025531
Effects of *temperature* on the **germination** and emergence of lettuce (lactuca sativa, L.) varieties. 027198
Influence of *temperature* on the **germination** rate of rose [Rosa] seeds. 027215
Influence of *temperature* on **growth** of Froker oats for forage. II. Concentrations and yields of chemical constituents. 026935
Influence of technological additives and of **heating** *temperature* on some chemical and physical changes in canned meat. I. Alteration of tin and iron content by corrosion of can. 021953
Effect of **high** *temperature* conditioning on subcellular distribution and levels of lysosomal enzymes [Meat tenderness]. 022677
Emergence, seedling growth and yield of sweet corn after pregermination at **high** *temperature.* 027725
Model of broiler performance as affected by *temperature* and **humidity.** 023665
Lesser peachtree borer [Synanthedon pictipes, pest of stonefruits]: the effect of *temperature* and **humidity** on egg development. 028851
The effect of *temperature* and **humidity** on the distribution patterns of Drosophila inornata in Victoria, Australia. 029347
Temperature and pH **[hydrogen-ion** concentration] optima for 21 species of thermophilic and thermotolerant fungi. 026457
Rapid THI [Temperature-Humidity Index] change and **hypothalamic-rectal** *temperatures* of heifers. 023666
The influence of *temperature* **increase,** elevation of extracellular H+[hydrogen]-concentration, and of triiodothyronine on the actions of phenylephrine, histamine,. 023266
Rapid THI *[Temperature-Humidity* **Index]** change and hypothalamic-rectal temperatures of heifers. 023666
Influence of *temperature* on the **kinetics** of rice straw decomposition in soils. 030340
Effects of *temperature* and **level** of feeding during rearing on carcass and reproductive traits in pigs. 023586
Response of the marine angiosperm Phyllospadix torreyi to certain environmental variables: a preliminary study [Salinity, **light,** *temperature].* 026373
Factors affecting flowering in Regal Pelargonium (Pelargonium x Domesticum Bail) *[Temperature,* **light].** 027600
Effect of *temperature,* **light,** and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, wheat, Puccinia graminis tritici]. 028052
Winter blindness of Gladiolus: interaction of **light** and *temperature.* 028313
Phytotoxic action of desmedipham: influence of *temperature* and **light** intensity [Sugarbeets, plant injuries]. 028456
Light-dependent *temperature* programmes for early-sown tomatoes [in greenhouses]. 029879
Growth of bacteria [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from vacuum-packed beef at **low** *temperatures.* 021938
High powered **low** *temperature* refrigeration plants in industrial freeze drying. 022455
Effect of geraniol on levels of volatile terpenoid compounds produced by apples during cool storage **[Low** *temperature* breakdown]. 022944
Stabilities of viruses following freezing and storage at **low** *temperatures.* 024534
Chimeras, hyperplasia, and hypoplasia in frost burls [in conifers and hardwoods] induced by **low** *temperature.* 025017
Appearance of bark cracking and process of healing of the cracks caused by **low** *temperatures* on trees of Populus X euramericana clone I-214. 025062
Pyrolysis of hydrolyzed lignin in plasma at **low** *temperature.* 025324
Influence of **low** *temperatures* on meiotic abnormalities in soft spring wheat. 026144
Comparison of ultrastructural localization of acid phosphatasic activity in Allium cepa L. (Liliaceae) [onions] radicles, developed at **low** *temperature* (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224
Mycoflora of pecans treated with heat, **low** *temperatures,* or methyl bromide for control of the pecan weevil [Curculio caryae]. 028057
Meat *temperature* and EEC [European Economic Community]. 022716
Studies on a climosequence of soils in tussock grasslands. 4. Respiratory activities and their relationships with *temperature,* **moisture,** and soil properties. 030268
Regulation of sugar transport in chick embryo fibroblasts infected with a *temperature-sensitive* **mutant** of RSV [Rous sarcoma virus]. 024498
Temperature-sensitive **mutants** of the yeast [Saccharomyces cerevisiae] fatty-acid-synthetase complex. 026555
A study of *temperature-sensitive* **mutations** in the virilis group of Drosophila. III. Maternal effect and dominance of lethals in hybrids Drosophila virilis Sturt. X Drosophila. 029464

Effect of **night** *temperature* on the toxicity of field-weathered mevinphos residues to honeybees. 029184
Effects of light intensity and *temperature* on **nitrogen** fixation by Lobaria pulmonaria, Sticta weigelii, Leptogium cyanescens and Collema subfurvum [Lichens]. 026427
Effects of light and *temperature* on **nodulation** of cowpea and hyacinth bean. 027189
Simple and sensitive procedure for screening yeast [Saccharomyces cerevisiae] mutants that lyse at **nonpermissive** *temperatures.* 026196
Optimum *temperature* and duration of low-temperature treatment for forcing tulips. 027619
Study of the mechanism of *low-temperature* **oxidation** of wood charcoal in air. 025333
Temperature-induced **phase** changes on the kinetics of photosynthetic electron transfer in winter and spring wheat chloroplasts. 026908
Influence of *temperature,* **photoperiod** and container size on the growth rate and development of tomato plants in growing rooms. 027611
Physiological *temperature* response and embryonic mortality in stressed swine. 023224
Techniques and problems in the storage of Satsuma orange. 4. Effect of *temperature* on its **physiological** deterioration and susceptibility to diseases. 028317
Influence of *temperature* on **population** increase of Tetranychus mcdanieli (Acarina: Tetranychidae) [Apples]. 028818
Influence of *temperature* on **population** increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) [Integrated mite control, Tetranychus mcdanieli, apples]. 028819
The influence of *temperature* on **potentiation** phenomena in rabbit papillary muscle. 023684
Temperature **preferences** of two species of Eleodes beetles (Tenebrionidae). 029470
Effect of *temperature* on the **process** of extraction of products of pre-hydrolysis from chip cellolignin. 025306
The distribution of the larvae of Dermestes maculatus (Coleoptera: Dermestidae) in a **radial** *temperature* gradient [Dried fish pest]. 028973
Survival of resistant external stages of [livestock] parasites during fermentation of liquid cattle manure at **raised** *temperatures.* 024808
Influence of *temperature* **regime** on virus diseases in cucumber. 028183
Temperature **regime** in a polyethylene speeder [Plants]. 030001
Temperature **regulation** of germination in crimson clover seeds. 027032
Effect of *temperature* on **respiration** of mitochondria and shoot segments from cold-hardened and nonhardened wheat and rye seedlings. 027021
Effects of *temperature* on the **responses** to noradrenaline, isoprenaline and histamine on isolated rabbit mesenteric artery. 023408
On the mechanism of petite genesis in yeast. IV. Biochemical characterizaton of a conditional cytoplasmic mutant producing petites at **restrictive** *temperature.* 026090
Rheology of rye dough. III. Model test of clarification of viscose behavior in dough in **rising** *temperatures.* 022763
Effects of **roasting** *temperatures* and gamma irradiation on the content of chlorogenic acid, caffeic acid and soluble carbohydrates of coffee. 022480
Chemically induced dynamic electron polarization in chloroplasts at **room** *temperature:* evidence for triplet state participation in photosynthesis. 026809
Annotated bibliography on **root** *temperature* and plant growth, 1967-1974 [Horticultural crops]. 027285
Root *temperature* and glasshouse tomato production [Equipment]. 029988
Seasonal variation of turtle grass, Thalassia testudinum Konig, with reference to *temperature* and **salinity** effects. 026374
Effects of *temperature* and **salinity** variations on photosynthesis of some littoral seaweeds of the North Adriatic Sea [Algae]. 026425
Effects of daylength and *temperature* on **shoot** and flower production of Gerbera. 027599
Yield response to soil warming: agronomic crops [**Soil** *temperature* for optimum growth, utilization of energy production waste waters]. 026895
Soil *temperature* and soil aeration effects on concentrations and total amounts of nutrients in 'Yecora' wheat grain. 027047
Yield response to soil warming: vegetable crops [**Soil** *temperature* for optimum growth, utilization of energy production waste waters]. 027106
Possible involvement of growth substances in the response of tomato plants (Lycopersicon esculentum Mill.) to different **soil** *temperatures.* 027201
The influence of *temperature* and **soil** moisture on the incidence of Erwinia carotovora var. carotovora in forced Dutch irises. 028124
Seasonal vertical movement of wireworm larvae in Missouri: influence of **soil** *temperature* on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711
Soil *temperature* of Oregon's agricultural regions. 030362
Effects of gamma irradiation and **storage** *temperature* on carotenoids and ascorbic acid content of mangoes on ripening. 022949
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, *temperature* and **storage** of blood [Veterinary hematology]. 024333
The effect of **storage** *temperature* on carbohydrate interconversion in tulip bulbs. 027085
The influence of **storage** *temperature* and 2-chloroethylphosphonic acid (ethephon) on shoot elongation and flowering in tulips. 027091
Protein degradation studies in lucerne juice [**stored** at different *temperatures].* 022109
Prenatal effects of elymoclavine [produced by Claviceps purpurea] administration and *temperature* **stress** [Mice abnormalities]. 024859
Determination of unfrozen water in winter cereals at **subfreezing** *temperatures* [Wheat, rye]. 027018
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to **subfreezing** *temperatures.* 028854
Effect of ameliorating **summer** *temperature* stress on some blood constituents of Large White Yorkshire weaners [Sheep]. 023442
Optimum temperature and duration of *low-temperature* **treatment** for forcing tulips. 027619
Growth and flowering responses of Lilium longiflorum to bulb and shoot light and *temperature* **treatments.** 027077
The influence of bulb harvest dates, *temperature* **treatments** and growth substances on the ontogeny of Lilium longiflorum. 027089
Extractability of gibberellin-like substances from tulips grown at **two** *temperatures* in either the light or dark. 027074
Detection of H2O2 [hydrogen peroxide] in **ultrahigh** *temperature* milk. 022642
Influence of **varying** *temperature* conditions on the respiration of ethylene synthesis and organoleptic behaviour of Passe-Crassane pears. 027229
Determination of glasshouse heat requirements from *temperature* and **wind** records. 029874
The effect of mean **winter** *temperature* around o degrees centigrade on the population size of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). 029195

TENANTS

Tenancy and **relative** economic efficiency [Farming]. 021245

TENDERNESS

Further evaluation of conventional and hot-boned bovine longissimus dorsi muscle excised at various conditioning periods [Beef **carcasses,** *tenderness].* 022681
Effect of shortening during cooking on the *tenderness* and **histology** of beef. 022686
Effect of high temperature conditioning on subcellular distribution and levels of lysosomal enzymes [**Meat** *tenderness].* 022677

TENDON

Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen galactosyltransferase and collagen glucosyltransferase in *tendon* and **cartilage** cells [Chick embryos, cattle]. 023288
Formaline fixed arterial encasement for experimental tenorrhaphy in bovines [Cattle, *tendon* **injuries].** 024963

TENEBRIO

Screening for mycotoxins with larvae of *Tenebrio* **molitor.** 029428

TENEBRIONIDAE

Temperature preferences of two species of Eleodes **beetles** *(Tenebrionidae).* 029470
Hydrocarbon repellents isolated from Tribolium castaneum and Tribolium confusum (Coleoptera: *Tenebrionidae)* [**Flour** beetles. 028967
Ecological study of the *Tenebrionidae* of the **Lamto** savanna (Ivory Coast). 029226
A revision of the genus Cerenopus (Coleoptera: *Tenebrionidae)* [**New** taxa]. 029532
Development of Farmincystis tribolii Weiser (Sporozoa, Neogregarinida) in Palembus ocularis Casey (Coleoptera, *Tenebrionidae)* and some **observations** on its fine structure. 029485

TENOSYNOVITIS

Infectious *tenosynovitis* (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. 024439

TENSILE

The effect of organic polymers and hydrous iron oxides on the *tensile* **strength** of clays. 030371

TENSIOMETERS

Tensiometer **measurements** in anisotropically loaded swelling soils. 030347

TENSION

Statical solution on the cable crane [logging equipment] of Y-type system. II. Numerical values of design factors giving **allowable** *tension* to the track cable. 025421
Surgical approaches to certain long bones of the horse for application of *tension* **band** plates. 024320
Stress of spring barley **internodes** on *tension.* 026881
Post-natal developmental changes in the *length-tension* **relationship** of cat papillary muscles. 023552

TENT

Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the **western** *tent* caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924

TENTHREDINIDAE

Taxonomic and biological remarks concerning Macrophya (Hymenoptera, *Tenthredinidae)* **developing** on Sambucus (Caprifoliaceae). 029538
Observations on mating and oviposition behaviour of Priopoda nigricollis (Hymenoptera: Ichneumonidae) a parasite of the birch leaf-miner, Fenusa pusilla **(Hymenoptera:** *Tenthredinidae].* 028926

TENUIS *see* MOLLUSKS

TENURE

Acquisition of land by aliens: a **land** *tenure* problem for the European Economic Community. 021199
Land *tenure* and rural development in Pakistan. 021202
Principles and problems of **land** *tenure* in the Pacific. 021223
A study on the *tenurial* **system** in Pattukottai Taluk. 021190

TEPA

Effects of in-vitro treatment of boar spermatozoa with *TEPA* **[tris(1-aziridinyl)phosphine** oxide] on the fertilization and development of pig eggs. 024118

TEPHRITIDAE

Influence of a larvae hostplant (Apium graveolens L. [Celery]) on the stimulation of egg laying and ovarian production of Philophylla heraclei L. **(Diptera,** *Tephritidae).* 028824
Visual stimuli eliciting attraction of Rhagoletis pomonella(Diptera: *Tephritidae)* **flies** to [apple] trees. 028841
Susceptibility of diapausing pupae of the western cherry fruit fly [Rhagoletis indifferens] (Diptera: *Tephritidae)* and a **parasite** [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Inhibition of larval growth of Dacus oleae (Diptera: *Tephritidae)* by **streptomycin.** I. Effect of duration of olive fruit immersion, temperature, and chemical additives on inhibition; effective site of topical application on oviposited olives. 028837

TEPHROSIA

Flavonoids from *Tephrosia* **[multijuga].** IX. The structure of multijugin and multijuginol. 026842

TERATOGENESIS

The vulnerability of early postnatal differentiation processes o the retina and the *teratogenic* **effect** of cyclophosphamide (Endoxan). 024938
The evaluation of the *teratogenic* **effects** of 2,4,5-trichlorophenoxyacetic acid [herbicide] in the rhesus monkey. 029099
Mutagenic, carcinogenic and *teratogenic* **effects** of pollutants in respect to man. 030951
Mercuric chloride uptake by eggs of the ricefish and **resulting** *teratogenic* effects [Pollutants of aquatic environments]. 030813

TERATOLOGY

The importance of *teratology* in the **[animal]** anatomy. 024324
Di-cephalus bicallis with diplocardia in a **calf** *[Teratology].* 024849
Contribution to the *teratology* of the **honeysuckles** and to the fusion problem. III. Association of the biflora cyme with ontogenetic gamophylly [Lonicera nigra, Lonicera orientalis, Lonicera nigra pyrenaica, Lonicera xylosteoides]. 026107

TERMINAL

Synthesis of guanosine 5'-di- and -triphosphate derivatives with **modified** *terminal* phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. 023305
Norepinephrine release from **nerve** *terminals* within the rabbit superior cervical ganglion. 023596
Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] venom on the presynaptic **nerve** *terminals* of frog muscle. 029435
IUPAC [International Union of Pure and Applied Chemistry] Commission on *terminal* **[pesticide]** residues. 029135
Homology in *amino-terminal* **sequence** of precursors to pancreatic secretory proteins [Dogs]. 023622
The *terminal* **sequence** of Bombyx mori 18S ribosomal DNA. 029852
Characterization of the *terminal* **stages** of chlorophyll(ide) synthesis in etioplast membrane preparations [from maize and barley]. 026904

TERMINOLOGY *see* NOMENCLATURE

TERMITE

Desert *termite* [Gnathamitermes tubiformans] control in a shortgrass prairie: effect on soil physical properties. 028727
The apical tibial spur formula in the *termite* **genus** Odontotermes Holmgren (Isoptera: Termitidae: Macrotermitinae). 029597
Growth of the tracheae during the development of physogastry in the queen of **higher** *termites* (Isoptera: Termitidae). 029385
Termite **(Isoptera)** suppression with toxic [wood] baits. 028928
Social learning by the *termite* **Reticulitermes** lucifugus santonensis. 029276

TERMITIDAE
Digestion and absorption of carbohydrates in Odontotermes obesus **(Isoptera:** *Termitidae).* 029329
Growth of mounds and foraging territories in Odontotermes redemanni (Wasmann) **(Isoptera:** *Termitidae).* 029375
Growth of the tracheae during the development of physogastry in the queen of higher termites **(Isoptera:** *Termitidae).* 029385
The apical tibial spur formula in the termite genus Odontotermes Holmgren (Isoptera: *Termitidae:* **Macrotermitinae).** 029597

TERPENES
Modification of content of volatile admixtures in hydrolysates during their processing *[Terpenes,* **furfurol].** 025315
Olfactory discrimination by honeybees [Apis mellifera] of *terpenes* **identified** from volatiles of alfalfa flowers. 029819
Naturally **occurring** *terpene* derivatives. LIII. On new sesquiterpenes from Polypteris texana (DC) A. Gray. 026462
Aroma of Muscat grape **varieties** [due to *terpenes].* 022915

TERPENOID
Effect of geraniol on levels of **volatile** *terpenoid* compounds produced by apples during cool storage [Low temperature breakdown]. 022944

TERRACING
Testing the *terracing* **machinery** with combination working parts. 030086

TERRAIN
Drought effects from the 7314 1973 on softwood plantations on **eroded** *terrains* at Chela-Macin in the north of Dobrudja silvo steppe. 025227

TERRESTRIAL
Local taxonomy and terminology for some *terrestrial* **arthropods** in five different ethnic groups of Papua New Guinea and central Australia. 029615
An evaluation of chloroplast pigment characteristics as an indicator of successional status in *terrestrial* **ecosystems.** 025859
The drift of aquatic and *terrestrial* **invertebrates** in a stream of the Massif Central, Couze Pavin [Includes insects]. 029224
Environmental pathways of plutonium into *terrestrial* **plants** and animals. 024957

TERRITORY
Manganese resources in soils and plants of the **Altai** *Territory.* 030379
Territorial **behaviour** by males of Philanthus multimaculatus(Hymenoptera: Sphecidae) with a review of territoriality in male sphecids. 029211
Cetraria islandica [Lichenes] on the *territory* of the **city** of Kielce. 025678
Experience in mathematical representation of fluctuations of subterranean flow into rivers in the northwest part of the **European** *Territory* of the USSR (ETU). 030765
Growth of mounds and **foraging** *territories* in Odontotermes redemanni (Wasmann) (Isoptera: Termitidae). 029375
Antebellum cattle herding in the **Indian** *territory.* 023115
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as pest of fruit trees and ornamentals, control, **Krasnodar** *Territory].* 028914
Scent-marking, dominance and flehmen behavior in domestic rabbits in an artificial **laboratory** *territory.* 023372
The Tatry National Park as a *territory* of **many-sided** studies on nature. 030841
Mycoflora of the rhizosphere and roots of pome fruits in the **Maritime** *Territory* [Pathogenic fungi]. 028015
Bacterial blight [Erwinia amylovora] not discovered [but bacterial canker present on apples and pears in **Maritime** *Territory].* 028155
A key and annotated synopsis of the mosses [Musci] of the northern lowlands of Devon Island, **Northwest** *Territories,* Canada. 025655
Salt status of some soils of the Slave River Lowlands in Canada's **Northwest** *Territories.* 030197
A key and annotated synopsis of the mosses of the northern lowlands of Devon Island, North **West** *Territories,* Canada. 025656
The pollinaton ecology of Pedicularis (Scrophulariaceae) in the **Yukon** *Territory.* 026357

TERTIARY
Antarctic glaciation and **early** *Tertiary* vegetation [Pollen studies]. 025760
Tertiary **purification** of domestic effluents [Water pollution]. 030852

TESTA
Morphology and function of the *testa* of **dust** forming seeds. 025957

TESTES
Androgens in *testes* and **adrenal** glands of the fetal pig. 024133
Pathology of the **bovine** *testis* and epididymis. 024911
The effect of luteineizing hormone on **chicken** *testis* and pineal gland uptake of 32P [phosphorus isotope]. 024070
The significance of seasonal changes in the size of the *testis* and the **diameter** of the epididymis in rams. 024276
Genic balance, heterozygosity and inheritance of size of *testes* in **diploid** drone honeybees [Apis mellifera adansonii, Apis mellifera ligustica]. 029817
Testis **growth** and plasma LH [luteinizing hormone] concentration following hemicastration and its relation with female prolificacy in sheep. 024128
Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo periodically **induced** *testicular* growth and maturation. 023516
Mitochondrial reorganizaion following stimulation by HCG [human hchorionic gonadotropin] of *testis* **Leydig** cells from hypophysectomized pigs. 023352
Testis and **ovary** development in Rhychosciara. 029308
Biphasic effect of extracts of Lithospermum ruderale on theuptake of 32P [phosphorus istope] by *testes* and **thyroids** ofcockerels. 024943

TESTOSTERONE
Effects of administration with *testosterone* **compound** (Durateston) on the genital organs in hypophysectomized male adultrats. 024137
Relationship between the binding constants of specific testosterone binding plasma proteins and peripheral plasma concentrations of *testosterone* and **LH** [luteinizing hormone]. 024052
Effects of *testosterone* **propionate** on the social behaviour of groups of male domestic ducklings Anas platyrhynchos L. 023235
Relationship between the binding constants of **specific** *testosterone* binding plasma proteins and peripheral plasma concentrations of testosterone and LH [luteinizing hormone]. 024052

TETANUS
Localised *tetanus* in a dog as a wound complication; diagnosis and successful treatment. 024566

TETANY
Potential *tetany* hazard [to ruminants] of N [nitrogen]-fertilized bromegrass [Bromus inermis] as indicated by chemical composition. 026892

TETRAACETIC
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, *tetraacetic* **acid,** cerium isotope] as nonabsorbed reference substances in the gastrointestinal tract of the chicken. 023541
Stability of myofibrillar EDTA-ATPase **[ethylendiamine** *tetraacetic* acid-adeninetriphosphatase] in rabbit psoas fiber bundles [Meat quality]. 022664

TETRACYCLINE
Persistence of *tetracycline* **activity** in medicated syrup stored in honeybee [Apis mellifera] colonies in late spring. 029822
Chloramphenicol or *tetracycline* as **antibiotics** in selective media for studies on fungi [Laboratory animals]. 024730
Enhanced respiration and reduction of *tetracycline* **binding** of boar and bull spermatozoa following incubation in the female genital tract. 024145
Persistence of *tetracycline* **resistance** in pig Escherichia coli. 024660
Tetracycline **therapy** of pear decline and X-disease in peachand cherry [Virus diseases]. 028201

TETRANYCHIDAE
Influence of temperature on population increase of Tetranychus mcdanieli (Acarina: *Tetranychidae)* **[Apples].** 028818
Stethorus as a predator of the spider mite *[Tetranychidae,* **biological** control]. 028694
Amblyseius bibens (Acarina: Phytoseiidae), a predator of spider **mites** *(Tetranychidae)* in Madagascar [Biological control]. 028645

TETRANYCHUS
Spider mite *[Tetranychus* **cinnabarinus]** webbing. II. The effect of webbing on **egg** hatchability. 029194
Influence of temperature on population increase of *Tetranychus* **mcdanieli** (Acarina: Tetranychidae) [Apples]. 028818
Influence of temperature on population increase of Metaseiulus occidentalis (Acarina: Phytoseiidae) [Integrated mite control, *Tetranychus* **mcdanieli,** apples]. 028819
Two forms of cotton damage by spider mites *[Tetranychus* **turkestani].** 028766
Responses of the two-spotted spider mite, *Tetranychus* **urticae** Koch., to light and gravity. 028677
Responses of the two-spotted spider mite, *Tetranychus* **urticae** Koch., to young and old leaves, upper and lower surfaces of leaf. 028678
Toxicity of organophosphorus systemic pesticides to predator mites [Neoseiulus fallacis] and prey *[Tetranychus* **urticae,** integrated control, beans]. 028839
Functional and numerical responses of the predatory mite, Amblyseius fallacis, to prey *[Tetranychus* **urticae]** density [Apples]. 028849
Tetranychus **urticae** Koch. Study on resistance of beans to the two-spotted spider mite, Tetranychus urticae Koch. 028889

TETRAPLOIDS
Variability of characters in **artificial** *tetraploids* of squash (Curcurbita maxima Duch.). 026290
New 1974 varieties: **Dargov** *tetraploid* meadow clover. 027551
Investigations on valence crosses in rye (Secale cereale L.). IV. Meiotic pairing and seed setting in *tetraploid* **hybrids.** 026094
Studies on the intraindividual and interindividual variation of chromosome pairing in diploid and *tetraploid* **rye** populations. I. Intraindividual variation. 026095
Electron microscopic observations on the meiotic karyotype of diploid and *tetraploid* **saccharomyces** cerevisiae [Yeasts]. 026236
Accumulation of an adcrusting substance in the pigment strand of a diploid and a *tetraploid* **wheat.** 026922
Accumulation of an adcrusting substance in the pigment strand of a diploid and a *tetraploid* **wheat.** 026923

TETRAZOLIUM
Tetrazolium **staining** of seeds for interpretation of viability of six Indian tree species. 027319
The relationship between the ability to reduce **2,3,5-triphenyl** *tetrazolium* chloride and aroma formation in various strains of sake [rice beer] yeast [Saccharomyces cerevisiae]. 022778

TETRIGIDAE
Allatectomy and imaginal diapause in females of Tetrix undulata (Sow.) **(Orthoptera,** *Tetrigidae).* 029260
The imaginal diapause-break in females of Tetrix undulata (Sow.) by corpora allata of active female Locusta migratoria **(Orthoptera,** *Tetrigidae).* 029277

TETRIX
Allatectomy and imaginal diapause in females of *Tetrix* **undulata** (Sow.) (Orthoptera, Tetrigidae). 029260
The imaginal diapause-break in females of *Tetrix* **undulata** (Sow.) by corpora allata of active female Locusta migratoria (Orthoptera, Tetrigidae). 029277

TETTIGONIIDAE
The male of the South American katydid genus Phlugiola [redtenbacheri], and a new related genus [Lucienola] from the Solomon Islands (Orthoptera: *Tettigoniidae,* **Meconematinae).** 029661

TEXTILES
World situation in *textile* **fibers.** 021794
Microscopic methods for the identification and qualification of *textile* **fibers.** I. Natural fibers. 022518
Insect-resistant *textile* bags: new construction and treatment techniques [Cotton]. 028988
Abrasion of *textile* **surfaces** [Cotton]. 022760
Surface characteristics of fibers and *textiles.* I. 022429

TEXTURE
Enzymatic improvement of date quality. Use of invertase to **improve** *texture* and appearance of "sugar wall" dates. 022950
Variations in the amount, distribution and *texture* of **intramuscular** fat within muscles of the beef carcass. 022671
Effect of CaCO3 [calcium carbonate] and iron on the availability of iron in a **light** *textured* soil. 030238
Extrusion of soy protein and *texture* **measurement.** 022847
The **porous** *texture* of freeze dried products. 022467
Textural **quality** prediction of reheated frozen French friedpotatoes by objective testing of raw stock. 022938

THALASSIA
Seasonal variation of turtle grass, *Thalassia* **testudinum** Konig, with reference to temperature and salinity effects. 026374

THALASSIOSIRA
Partitioning of nitrogen and carbon in cultures of the marine **diatom** *Thalassiosira* fluviatilis supplied with nitrate, ammonium, or urea. 026668

THALICTRUM
Isolation of foetidine *[Thalictrum* **foetidum].** 026488

THAW
Effect of freezing and *thawing* on the **conversion** of soil nitrogen. 030287
Effective heat capacities for the freezing and *thawing* of **food.** 022499
Use of a centrifuging method to measure the drip of pork Longissimus dorsi slices before and after **freezing** and *thawing.* 022689
On the problem of *thawing* **log** ponds at sawmill installations. 025405
Effect of *thawing* and **packaging** material on discoloration of frozen skipjack meat [Seafood]. 022405
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and *thawed* **states.** 022101
Postmortem glycolysis in ground skeletal muscle as influenced by prerigor freezing and **subsequent** *thawing.* 022718

THECA
The meliacins (limonoids): minor constituents of **Khaya** *anthotheca:* reduction of the meliacins with zinc-copper couple. 027325

THEILERIA
Studies on the development of *Theileria* **annulata** Dschunkowsky and Luhs, 1904 in the tick Hyalomma anatolicum anatolicum Koch, 1844. 028993

THELAZIA
Two eyeworms, *Thelazia* **gulosa** and Thelazia skrjabini, in cattle in Kentucky. 024611
Occurrence of the eyeworm, *Thelazia* **lacrymalis,** in horses in Kentucky. 024610
Two eyeworms, Thelazia gulosa and *Thelazia* **skrjabini,** in cattle in Kentucky. 024611

THELOHANIA
Histological studies on the development of the **microsporidian** *Thelohania* pristiphorae in larvae of Malacosoma disstria and Malacosoma americanum. 028947

THEOBROMA *see* **STERCULIACEAE**

THEOBROMINE
Separation of coffein, theophyllin and *theobromine* with help of **high** pressure fluid chromatography. 022492

THEOPHYLLINE
Separation of coffein, *theophyllin* and **theobromine** with help of high pressure fluid chromatography. 022492

THERAPY
Photodynamic inactivation of virion-associated RNA transcriptase of rice dwarf virus catalyzed by azure B and its *therapeutic* **effect** on infected plants. 028242
Mastitis *therapy:* effective treatment or double trouble? 024469
Increase in swine litter size as the result of **steroid** *therapy.* 024208
Tetracycline *therapy* of pear decline and X-disease in peachand cherry [Virus diseases]. 028201
The nutritional and *therapeutic* **value** of tea—a review. 022148

THERIDIIDAE
Fine structure of the clypeal gland of male spiders belonging to the genus Argyrodes **[gibbosus]** *(Theridiidae).* 029266

THERMAL
Further evidence on *thermal* **anomalies** around 15, 30, 45 and 60 degrees centigrade in plants. 026826
Thermal and **catalytic** purification of effluent air [Food processing industry]. 030896
Thermal **death** of fungal conidia [Aspergillus niger] in liquid paraffin. 026643
Kinetics of the *thermal* **degradation** of the anthocyanins pelargonidin-3-glucoside and cyanidin-3-glucoside [Food research]. 022522
Application of **differential** *thermal* anaysis to peat waxes. 1. Long-chain alcohols, acids, triglycerides, and esters of stearic acid. 030265
Application of **differential** *thermal* analysis to peat waxes. 2. Montan wax and New Zealand peat waxes. 030266
Thermal **disturbance** of water balance in wheat in models of natural weather complexes. 026951
Effect of heated water of *thermal* **electric** power plants on the oxygen regime of a stream. 030760
Various schemes of heating tobacco dryers with *thermal* **generators.** 022837
Thermal **injury** and recovery of Saccharomyces cerevisiae [Yeast]. 026644
Laboratory *non-thermal* aerosol tests of insecticides for the control of adult mosquitoes [Aedes taeniorhynchus, Culex nigripalpus]. 029049
Thermal **phenomena** and structural behaviour of fruit juices in the pre-freezing stage of the freeze drying process. 022905
Modification of catechins during *thermal* **processing** of catechin-type wines. 022995
A review of *thermally* **produced** imitation meat flavors. 022662
Thermal **reaction** of safflower oil fatty acid methyl esters in the presence of iodine: identification of reaction products. 022813
The abundance of diatoms [Algae] in the southwestern nearshore region of Lake Ontario during the **spring** *thermal* bar period. 025919
Thermal **stability** of tall oil, its fractions and individual components. 025352
Effect of protein concentration in the diet on blood composition and productivity of lactating Holstein cows under *thermal* **stress.** 023750
Thermal **susceptibility** of Salmonella in the Moroccan food snail, Helix aspersa. 021916
Inhibition of *thermal* **tachypnoea** in rabbits following exposure to cold and water deprivation. 023550

THERMODYNAMICS
Structural and *thermodynamic* **basis** of affinity in anti-dinitrophenyl [Rabbits, goats, guinea pigs] antibody. 024462
Thermodynamic **properties** of maize dextrin. 022826

THERMOLUMINESCENCE
Characteristics of *thermoluminescence* **bands** of intact leaves and isolated chloroplasts in relation to the water-splitting activity in photosynthesis [Spinach, wheat]. 026406

THERMOPHILA
Population biology of a brine fly **[Ephydra** *thermophila]* (Diptera: Ephydridae) in the presence of abundant algal food. 029320

THERMOPHILIC
Temperature and pH [hydrogen-ion concentration] optima for 21 species of *thermophilic* and **thermotolerant** fungi. 026457

THERMOREGULATION
The influence of burrowing and *thermoregulatory* **behaviour** on the water relations of Geolycosa godeffroyi (Araneae: Lycosidae), an Australian wolf spider. 029463
The influence of genetic variability on *thermoregulation* in **honeybees** [Apis mellifera]. 029742

THERMOSENSITIVITY
Localization of the **effective** *thermosensitive* site in the preoptic region of the ox. 023465

THERMOTHERAPY
Improved performance of peach tree clone freed from ring spot [virus] by *thermotherapy.* **Study** of recontamination in the orchard. 028182

THIAMINE
Distribution and metabolism of *thiamine* **disulfide** in rat organs. 022211
Effects of *thiamine* and **pyridoxine** on the respiratory activities of Saccharomyces carlsbergensis [Yeasts]. 026591
Eating quality and *thiamin* **retention** of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 022101
Effects of betel nut and fermented fish on the *thiamin* **status** of northeastern Thais. 022000
Biochemical assessment of the *thiamine* **status** in patients with neuroses. 022177
Inability of chronic alcoholics with liver disease to use food as a source of folates, *thiamin* and **vitamin** B6. 022003

THIAZOLYL
The induction and the oncogenic mechanism of urinary bladder cancer in rats with *N-[4-(5-nitro-2-furyl)-2-thiazolyl]* **formamide** (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867

THICKENING
Oriental fruit fly [Dacus dorsalis]: *thickened* **formulationsof** methyl eugenol in spot applications for male annihilation. 028869
Initiation of **primary** *thickening* meristem in Dioscorea glabra Roxb. 026531
Thixcin-thickened **sprays** of cue-lure + naled: investigation of rates of application for use in male annihilation of melon fly [Tested in a macadamia orchard]. 028873

THICKETS
The removal of a wild colony from a **dense** *thicket* [Bees]. 029745

THICKNESS
The reaction of hair follicles in the vicinity of *full-thickness* **excised** skin wounds in the dog. 024978
Nail holding power of plywood. III. Effect of **plywood** *thickness* and nail diameter. 025386
Mitochondrial structure studied by high voltage electron microscopy of *thick* **sections** of Candida utilis [Yeasts]. 026026
Manufacture of *thicker* and more **solid** welded seams in fluid packaging [Packaging material for dairy products]. 022603

THIELAVIOPSIS
Black rot' *[Thielaviopsis* **paradoxa]** of pineapple—a new record from south India. 027943

THINNING
Methods of working up the volume of wood in *thinning* **cuttings** in poplar stands. 025519
Blood calcium levels and the mechanism of DDE [dichlorodiphenyl dichloroethylene]-induced **eggshell** *thinning* [Doves, ducks]. 024950
Methods for forcing culture and **flower** *thinning* of cucumbers. 027659
The number and size of [apple] fruits in relation to rootstock type, application of growth regulators, pruning, and **fruit** *thinning* [affect bitter pit development]. 028312
Thinning in a **maple** [Acer]-beech [Fagus] stand in view of producing yellow birch [Betula alleghaniensis] wood. 025223
Influence of nitrogen fertilization, spraying of calcium nitrate, *thinning,* and **time** of harvesting on James Grieve [variety of] apples. 030514

THIOL
Polarographic study of the reaction of vitamin K3 with *thiol* **compounds** in aqueous ethanol. 022143
Studies on the oxidative catalytic activity of vitamin B12. VIII. Inhibition of papain by vitamin B12 in the presence of *thiol* **compounds.** 022212
Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of yeast alcohol dehydrogenase by vitamin B12 in the presence of *thiol* **compounds.** 022213

THIOPHENE
Ultraviolet-mediated antibiotic activity of *thiophene* **compounds** of Tagetes [patula, photoxic to Candida albicans]. 026772

THIOTEPA
The inhibiting effect of tris (1-aziridinyl) phosphine **sulphide** *(Thiotepa)* [chemosterilant] on the reproduction of Blattella germanica L.). 028997
The sterilizing effect of tris (1—aziridinyl) phosphine **sulphide** *(Thiotepa)* [chemosterilant] on the species musca domestica L., depending on age. 028998

THIOUREA
Influence of amino acids, *thiourea* and **hydroquinone** on cellulolytic activity in some Fusarium [Fungi] strains. 026322
Germination of cocklebur [Xanthium pensylvanicum] seeds: interactions between gibberellic acid, benzyladenine, *thiourea,* **KNO3** [potassium nitrate] and gaseous factors. 026388
Effect of *thiourea* on **rest** period of grapevine buds [in India]. 027696

THIRAM
Apple trees protected from **voles** with *thiram.* 028437

THISTLES
Control of **Canada** *thistle* [Cirsium arvense] and field bindweed [Convolvulus arvensis] in asparagus. 028609
Successful biocontrol of **musk** *thistle* [Carduus nutans] by an introduced weevil, Rhinocyllus conicus. 028514
Effects of herbicides or mowing on **musk** *thistle* [Carduus nutans] seed production. 028601
Introduction of a weevil [Rhinocyllus conicus] for biological control of **nodding** *thistle* [Carduus nutans]. 028558
Postemergence control of Kochia [scoparia] and **Russian** *thistle* [Salsola kali tenunifolia] in early spring [Sugarbeets]. 028490

THOMISIDAE
Revision of the spider genus Apollophanes (Araneida: *Thomisidae)* **[New** taxa]. 029553

THORACIC
Myocardial infarction in *closed-chest* **dogs:** a simplified method for production. 023467
Concentration and transport of different sugars in the lymph of the *thoracic* **duct** and in blood of the portal vein in dogs after enteral and parenteral administration. 023388
Chylothorax [in dogs, *thoracic* **duct].** 025241
Breakdown of the *prothoracic* **glands** of insects. 029520

THREONINE
Food intake regulation in pigs. IV. The influence of **dietary** *threonine* imbalance on food intake, dietary choice and plasma acid patterns. 023716
Threonine-sensitive **homoserine** dehydrogenase of Serratia marcescens [Bacteria]. 026606

THRESH
Effect of change of *threshing* **mechanism** setting on performance requirements. 029993
Analysis of basic strength rations of the *threshing* **process** [Equipment]. 029989

THRESHERS
M3-1 *thresher* of **breeding** material [of cereals and grain legumes]. 026260
Group use of 8 kg/s combined harvesters and *threshers* **[Cereals,** harvesting, work management]. 021294
The Claas **Dominator** *[harvester-thresher].* 030040
The Claas **Mercator** 60 *[harvester-thresher].* 030041
Research on the development of throw-in **type** *thresher.* 030116

THRESHOLD
The damage and **damage** *threshold* assessments of Thrips tabaci to cotton. 028800
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to *threshold* **data** and for plotting the result [Thresholds for odor and taste]. 022066
The **economic** *threshold* of infestation for the cotton bollworms [Pectinophora gossypiella, Earias insulana] on yield in Egypt. 028801
The effect of anoxia on the ventricular **fibrillation** *threshold* in the rabbit isolated heart. 023330
A case of polydactyly with **multiple** *thresholds* in the mouse [Genetics]. 024190
A FORTRAN program, 'SIGMPLOT', for fitting sigmoid curves to threshold data and for plotting the result *[Thresholds* for **odor** and taste]. 022066

THRIPIDAE
A new survey technique for **citrus** *thrips* [Scirtothrips citri]. 028864
The damage and damage threshold assessments of *Thrips* **tabaci** to cotton. 028800

THROMBOSIS
Mesenteric *thrombosis* [Horses, Strongylus vulgaris]. 024615

THUJA
A new tissue essential to necrophylactic periderm formation in the bark of four conifers [Abies, Tsuga heterophylla, *Thuja* **plicata**]. 025974

THYLAKOIDS
Identification of the 120 mus phase in the decay of delayed fluorescence in spinach chloroplasts and subchloroplast particles as the intrinsic back reaction. The dependence of the level of this phase on the *thylakoids* **internal** pH [hydrogen-ion concentration]. 027137
Analysis of the [spinach] *thylakoid* **outer** surface. 026018

THYMELICUS
Known distribution of the European skipper, *Thymelicus* **lineola** (Lepidoptera: Hesperiidae), in Quebec. 029552

THYMIDINE
Distribution of mitoses and 3H *[hydrogen]-thymidine* **incorporation** in proliferating eye discs of Ephestia kuehniella Zeller. 029506
Influence of double infections on the induction of *thymidine* **kinase** by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423
Modifying action of *thymidine* on **ultraviolet-irradiated** Anascystis nidulans cells [Algae]. 026687

THYMUS
Partial purification of "omega" protein from **calf** *thymus*. 023302
Studies on the methyl green-DNA complex and its dissociation by drugs **[Calf** *thymus]*. 023304
Thymus **dependence** of tapeworm (Hymenolepis diminuta) elimination from mice. 024576
Histological development of the *thymic* and **intestinal** lymphoid tissue of the horse. 023563
The effect of radiation on processing of nuclear RNA and chromatin ribonulcease activity in rat **liver** and *thymus*. 023450

THYRIDOPTERYX
Appressoria formation by Aspergillus parasiticus on *bagworm[Thyridopteryx* **epheraeformis]** cuticle. 029213

THYROID
Thyroid **activity** as a selection criteria in animal breeding [Dairy cattle]. 023659
Subcellular structure of **bovine** *thyroid* gland. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. 023290
Radioimmunoassay of **bovine** *parathyroid* hormone. 024878
Cytoplasmic and nuclear binding components for 1alpha,25-dihydroxyvitamin D3 in **chick** *parathyroid* glands. 023621
The response of chick embryos to **exogenous** *parathyroid* hormone. 023418
The effect of iodine deficiency on *thyroid* **function** in the infant rat. 022163
Effect of prolactin on *thyroid* **function** in Japanese quail (Coturnix coturnix japonica). 023415
The control of the function of the *thyroid* **gland** by means of radioactive iodine in the toxocological investigation of foreign substances [Rats]. 024984
Effect of *parathyroid* **hormone** secretion on sodium reabsorption by the proximal tubule [Dogs]. 023205
Biphasic effect of extracts of Lithospermum ruderale on theuptake of 32P [phosphorus istope] by testes and *thyroids* **ofcockerels**. 024943
Lipid mobilization in rabbits. I. Dexamethasone, TSH *[thyroid* **stimulating** hormone], and GH [growth hormone]. 023632

THYROPROTEIN
Milk productivity of cows gives a feed supplement of *thyroprotein* and **glucavamorin** P10x. 023959

THYSANOPTERA
Hoplothrips (Odontoplothrips) cleistanthi, a new species ofgall **forming** *Thysanoptera* from New Caledonia. 029628
Thysanoptera notices. 3. (Insecta: *Thysanoptera)* [**New** taxa]. 029697

TIBIA
The **apical** *tibial* spur formula in the termite genus Odontotermes Holmgren (Isoptera: Termitidae: Macrotermitinae). 029597

TICKS
Animal health considerations involved in the movement of U. S. cattle to Haiti [Infection with Babesia, Anaplasma, and **Boophilus** *ticks]*. 024720
Host resistance to **cattle** *tick* (Boophilus microplus) in Brahman (Bos indicus) cattle. I. Responses of previously unexposed cattle to four infestations with 20,000 larvae. 028999
An evaluation of some organophosphate compounds for the control of **cattle** *tick*, Haemaphysalis (Kaiseriana) longicornis (Neumann), in sheep and cattle. 029057
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown **dog** *tick* [Chorioptes bovis, Ornithomyssus sylviarum, Rhipicephalus sanguineus] to acaricides. 029073
The effect of mean winter temperature around o degrees centigrade on the population size of the American **dog** *tick*, Dermacentor variabilis, Say. (Acarina: Ixodidae). 029195
A guide to the control of external parasites of poultry [Lice, mites, *ticks,* **fleas].** 029072
Studies on the development of Theileria annulata Dschunkowsky and Luhs, 1904 in the *tick* **Hyalomma** anatolicum anatolicum Koch, 1844. 028993
Comparative investigation of life cycles of *ticks* **Hyalomma** asiaticum asiaticum and Hyalomma anatolicum excavatum [Parasites, animals]. 029390
Nosema slovaca sp. N.: a second microsporidian of the *tick* **Ixodes** ricinus. 029427
Photoperiodic induction of diapause in the **kangaroo** *tick* Ornithodoros gurneyi Warburton (Acarina: Argasidae). 029022
Limb regeneration and apolysis in the *tick,* **Ornithodoros** tartakovskyi. 029413
Control of fluid secretion by isolated salivary glands of the lone **star** *tick* [Amblyomma americanum]. 029408

TIDE
Summer phytoplankton blooms and red tides along *tidal* **fronts** in the approaches to the English channel. 026691

TILES
Tile and **surface** drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and soybean yields (1962-72). 030717

TILIA
Temperature dependence of anaphase chromosome velocity and microtubule depolymerization *[Tilia* **americana].** 027324
Low-temperature-induced cankers and burls [injuries] in test conifers and hardwoods [Pinus, Malus, *Tilia* **cordata,** Ulmus]. 025018
Amino acids, phosphatase and peroxidase in nectary glands of certain meliferous plants during various secretory phases [Robinia pseudacacia, *Tilia* **platyphyllos,** Deutzia crenata, pumpkins]. 026828

TILLAGE
Studies on the effects of variation of *tilling* **conditions** on tilling torque in rotary tiller. 030018
Effect of plant residue on herbicide performance in *no-tillage* **corn.** 028616
Erosion control with *no-till* **cropping** practices. 030621
Use of no *tillage* in **double-cropping** wheat with soybeans or grain sorghum. 030603
New method of *tillage* of **fallow** soil planted to spring wheat [Soil management, wheat yields]. 030629
Combined **interrow** *tillage* [of cotton]. 027431
Dynamics of **mounted** *tillage* assemblies [Plows, designs]. 030131
Theory of **mounted** *tillage* assemblies [Plows, designs]. 030139
Tillage of **potato** stands [Equipment]. 030067
On the advantage of wide operating widths of machine units in **potato** *tillage*. 030161
Do *tillage* **practices** affect wheat yields? 027555
A rotary implement attached to MF-70 motorobot [for **soil** *tillage* in breeding nurseries]. 026249
Research on crumblers for presowing **soil** *tillage* [Equipment, disks]. 030135
Effect of rotary **soil** *tillage* on agrophysical soil properties and crop yields [Sugarbeets, wheat]. 030599
Fertilization of double cropping and *no-till* **systems:** a review and a projection [Maize]. 030461
Note on the yield of jowar [durra] and groundnut and cost of tillage under various *tillage* **systems.** 030590
Studies on the effects of variation of tilling conditions on *tilling* **torque** in rotary tiller. 030018
N [nitrogen] behavior under *no-till* **vs.** Conventional corn culture. I. First-year results using unlabeled N fertilizer. 030414

TILLERS
The relation between *tillering* **capacity** and cumulative temperature and its application in wheat culture. 027391
Effect of separate parameters of an asymmetric **disk** *tiller* on the characteristics of its operation. 030132
Feeding value of silage from a *tillering* and a **nontillering** hybrid corn [Sheep, steers]. 023721
A study on the design of rotary mower as a **power** *tiller* attachment. 030115
Studies on the effects of variation of tilling conditions on tilling torque in **rotary** *tiller*. 030018
Comparative test of **rotary** *tillers*. 030093

TILLETIA
Genetic differentiation of the pathogen of wheat bunt *[Tilletia* **caries].** 028012
Cooperative seed treatment trials—1974 *[Tilletia,* **Ustilago,** control]. 027928

TIMBER
Protection of *timber* in **aquatic** environments. 025425
Indian bark and *timber* **beetles.** VI. 312 contribution to the morphology and taxonomy of the Scolytoidea [New taxa]. 029676
Main agents of biological alterations of **building** *timber*. Preventive and curative treatments. 025276
Establishing typological base of work means and modalities by skidding and transport of round *timber,* in the **case** of some coupes within Forest Enterprise for Logging and Transport Brasov. 025478
Ecological effects of *timber* **clearng** [Pinus, Picea]. 025237
Multi-channel sorting of *timber* **[Data** processing]. 025444
Safe chain saw operation requires knowledge of accident causative factors *[Timber* **falling].** 025456
Improving equipment and technology of *timber* **felling** operations. 025432
Timber **fence** posts. 029904
Strength properties of **flooded** *timber* and its utilization for kraft pulp. 025541
Effectiveness of using new machines for *timber* **harvesting.** 025132
Timber **harvesting** operations in the taiga zone of the USSR and abroad. 025434
Harvesting *timber* of assigned groups of quality [Coniferae]. 025439
Investigations on the natural durability of **indigenous** *timbers* for use in marine construction. 025423
Investigations on the natural durability of **indigenous** *timbers* for use in marine construction. 025424
Silvicultural education and research at the University of Forestry and *Timber* **Industry,** Sopron. 025183
Econometric model of *timber* **industry.** 025475
An economic model of Georgia's **long-run** *timber* market. 025476
1974 **Oregon** *timber* harvest [Board feet]. 025158
Federal income tax reporting for *timber* **owners.** 025082
Investigations on the *timber* **quality** of silver fir [Abies] and Norway spruce [Picea abies] from selection stands. 025296
Timber **resources** and the Banchaonen Dam Development Project. 025058
What is the opinion of private forest owners concerning the **sale** of *timber?* 025163
Spacing contra quality of the **sawn** *timber* from Scots pine [Pinus sylvestris]. 025500
Derivation of functional interactions for predetermining the surface quality of plastic-sheathed **sections** [Saw *timber].* 025370
A *timber-water* **simulation** model for lodgepole pine [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071

TIME
Study on *timing* **application** of some insecticides for control of bean fly (Melanagromyza phaseoli Coq.). 028888
Time-course of 14C **[carbon** isotope]-sucrose translocation by successive leaves of Hibiscus esculentus L. (Okra). 027130
Chewing *time* and volatile fatty acid production in steers [Feed roughage]. 023856
Rooting and end of rest in 'Carignane' [grapevine] cuttingsas affected by **collection** *time* and cane segment used. 027699
Views in a *time* of **crisis** [Sugar industry, marketing]. 021657
The *time* **dependence** of food preferences. 022263
Effect of *time* of **digging** on incidence of Fusarium [basal] rot in tulip bulbs. 027877
Genetic analysis of *time* to **ear** emergence in hexaploid wheat, Triticum aestivum, using intervarietal chromosome substitution lines. 026122
Stability in *time-varying* **ecosystems.** 025860
Part-time **farming.** 021269
Effects of *timing* of **fertilization** of young spruce [Picea]. 030460
"Half-fat" milk tested for the **first** *time* in the 1975 German Agricultural Association butter testing. 021867
Gonadotrophin and steroid levels around the *time* of **first** ovulation in the rat. 024106
Timing and **function** of chitin synthesis in yeast [Saccharomyces cerevisiae]. 026626
Treat sunflower seeds in good *time* [with **fungicides].** 028121
Study on assessment of the quality of roughage. 2. Comparative value of orchardgrass hay and silage influenced by **harvesting** *time* and cutting frequency. 023066
Determination of optimum **harvesting** *time* of forage plants according to fodder digestibility. 027538
Influence of nitrogen fertilization, spraying of calcium nitrate, thinning, and *time* of **harvesting** on James Grieve [variety of] apples. 030514
Implications of *longer-time* **inbreeding** and the possibilities of their elimination through SIB-crossing in sunflower (Helianthus annuus L.). 026244
Duration of effects of benomyl on growth and wilt (Verticillium dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to *time* of **inoculation.** 027896
Using the coefficient of extinction in determining quality and quality of humus compounds by spectrophotometry in soils under **irrigation** for a long *time.* 030384
Effect of strain and age on the relationship of **oviposition** *time* to shell strength [Chickens]. 023339
Study of a sex linked dwarfing gene in the fowl: **oviposition** *time* and characteristics of the successive eggs in laying sequences. 024021
The *time* of **ovulation** in heifers after progestin (SC 9880; SC 21009) treatment. 024004
A note on the *time* of **parturition** in Russian Merino ewes [Sheep]. 024077
Photoperiodic *time* measurement and circadian leaf movement in Pharbitis nil controlled by the same clock? 026863
Radioimmunoassay for bovine plasma 4-androstenedione and result obtained at the *time* of **pregnancy,** parturition, and postpartum. 023566

Nature protection in Norway at the **present** *time*. 030830
Carnation [Dianthus caryophyllus] **production** *timed* for flowers in November-December [Hungary]. 027594
The influence of the *time* of **propagation,** pinching and shortday treatment on the growth and development of Euphorbia pulcherrima. 027641
Test of shortening the biological **rearing** *time* of cattle after birth by laparotomy under practice conditions. 024230
Validity of soil water evaporatin versus square root of *time* **relation.** 030248
Auxiliary methods for determining the *time* of the **ripeness** of grasses [Lolium, harvesting]. 027533
Agrarian problems at the *time* of the **Russian** revolution of 1905-1907. 021068
Bloom blight [of Camellia] at **show** *time* [Sclerotinia camelliae, chemical control]. 027893
Solar *timing* for pot watering [Greenhouse equipment]. 030022
Growth habit of wheat and its related species in relation to **sowing** *time*. 026911
Effect of **sowing** *time* on the growth and yield of Malachra capitata L. 027759
Some thoughts concerning the West German sugar industry. Structure and *time-series* in **statistics** and graphics. 021821
Storage *time* and fermentation temperature of grass silage as factors affecting its voluntary consumption by sheep. 023055
Time **study** techniques for logging systems analysis. 025529
Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different paddy fields. II. Relationships between **transplanting** *time* and absorption of nitrogen by rice plants. 027054
Determination of the quantitative relationship between *time* **varying** work load and aortic blood flow and heart rate in the dog. 023549
Possibilities for cooperating in cattle rearing. Effects onconstruction planning, **work** *time* and capital requirement. 021300
Evaluating utilization of **working** *time* of equipment of automated production lines [Forest industries]. 025133

TIMOTHY

Variability of total nitrogen content of 18 genotypes of **meadow** *timothy* (Phleum pratense L.). 026993
Mowing dates of clover and *clover-timothy* **[Phleum]** mixtures[and relation to their chemical composition]. 027066

TIN

Influence of technological additives and of heating temperature on some chemical and physical changes in canned meat. I. Alteration of *tin* and **iron** content by corrosion of can. 021953
Investigations of the impregnating behaviour of *tributyl-tin* **oxide** in different wood preservative formulations with the help of an active substance labelled with carbon isotope. 025374
A rapid screening method for the determination of di-(n-octyl) *tin* **stabilizers** in alcoholic beverages, using a heated graphite atomizer. 022490

TINEOLA

Aminopeptidases in webbing clothes moth larvae *[Tineola* **bisselliella].** Properties and specificity of the major enzyme of low electrophoretic mobility. 029384

TINGIDAE

Relative toxicity of some important insecticides to the adults of lacewing bur Urentius echinus Distant (Heteroptera: *Tingidae)* **[Eggplant** pests]. 028846

TIPULA

The growth of larvae of *Tipula* **oleracea** Linnaeus, 1758 (Diptera, Tipulidae). 029499
The phenology and habitat of the species of the **subgenus** *Tipula* Linnaeus in the Netherlands (Diptera, Tipulidae). 029703

TIPULIDAE

The growth of larvae of Tipula oleracea Linnaeus, 1758 **(Diptera,** *Tipulidae).* 029499
The phenology and habitat of the species of the subgenus Tipula Linnaeus in the Netherlands **(Diptera,** *Tipulidae).* 029703
Faunistics and daily periodicity of some insect species in northern **Sweden** *(Tipulidae,* Typhlocybidae and Geometridae). 029342

TIRES

Determination of *tire* **characteristics** and equipment performance for field tractors. 030074
Effects of *tire* **deformation** on the tractor transversal stability. Articulated tractor. 030118
Pulling properties of the tractor Z-8011 with the Barum and **Goodyear** *tires.* 030000

TISSUES

Influence of **acute** *tissue* injury on in vitro incorporation of 6 5 Zn [zinc isotopes] by sheep erythrocytes. 024966
Fatty acid composition of **adipose** *tissue* of Jersey cattle during growth and development. 023452
Cellular development and lipid metabolism of lamb **adipose** *tissue.* 023627
The effect of atmospheric levels of pesticides on pesticide residues in rabbit **adipose** *tissue* and blood sera. 024945
The sheep ovary: regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and **adjacent** *tissue* before ovulation. 024132
Dynamic mechanical measurements during the life to death transition in **animal** *tissues.* 023314
Evidence of relationship between hydroxyproline and essential amino acid contents in **animal** *tissue* proteins. 023670
A screening method for determining nitrofuran drug residues in **animal** *tissues.* 024968
First results obtained in the aseptic culture of **apical** *tissues* of apple rootstocks. 027717
Interpretation of the transitory carbon dioxide emission by **apple** *tissues* (transition effect) observed after a change in temperature. 027151
Staining reactions of the *tissue* **bordering** lesions induced by wounding, tobacco mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262
Variation in susceptibility of stored **cabbage** *tissues* to infection by Botrytis cinerea. 027925
Release of hydrolytic enzymes from the cell walls of intact and disrupted carrot **callus** *tissue.* 027280
In vitro growth of *tissues* and **cells** cultures from apple fruits. 027146
Tissue **changes** induced by marginal vitamin C deficiency. 022049
Trimethoprim and sulphadoxine in swine. Half-lives, volume of distribution and *tissue* **concentrations.** 024395
A trichromatic staining for the detection of muscle protein, **connective** *tissue* protein and mineralized bone particles. 022644
The **connective** *tissue* skeleton in the mammalian kidney and its innervation [Includes livestock]. 023174
Enzymic analysis of cell wall structure in apple fruit **cortical** *tissue.* 026042
Studies on the cultivation of buffalo kidney cells in *tissue* **culture.** 023431
Demonstration in *tissue* **culture** of cellular immunity of fowl cholera [Pasteurella multocida, chickens]. 024537
Notes on disease resistance of *tissue* **culture** sub-clones and fusion of sugarcane protoplasts [for the improvement of varieties]. 026294
Growing plant cell and *tissue* **culture.** 026682
Arabidopsis thaliana as a model system in somatic cell genetics. I. Cell and *tissue* **culture.** 026795
Embryogenesis in *tissue* **culture** of Corylus avellana L. 027302
The effect of overlay medium on plaque formation of *tissue* **culture-attenuated** Newcastle disease (TCND) vaccine virus [Chicken embryos]. 024634
Cytogenetic characteristics of *tissue* **cultures** from legume plants [Lathyrus odoratus, broadbeans, peas]. 026140
Biosynthesis of ursene-type triterpenes from sodium (1,2-13C [carbon isotope]) acetate in *tissue* **cultures** of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463
Is polyploidy necessary for *tissue* **differentiation** in higher plants? [Sunflowers, peas, wheat]. 025940
Variation of the long-chain hydrocarbon pattern in different *tissues* of **Duncan** grapefruit. 027259
Arterial **elastic** *tissue* and collagen in experimental poststenotic dilatation in dogs. 023402
Phytochrome intermediates in **freeze-dried** *tissue* [Peas]. 027279
Soluble and wall-bound glycoproteins of apple **fruit** *tissue.* 027251
Inoculation of Basidiomycetes into mice: tissue reaction and survival of **fungi** in *tissues.* 024649
Blood glucose and *tissue* **glycogen** levels in turkey poults with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818
Concentrations of trimethoprim and sulphadoxine in *tissues* from **goats** and a cow. 024293
Apple latent viruses: transmission from herbaceous **host** *tissue* to Malus indicator plants and distribution in apple budwood. 028169
Total mercury levels in selected **human** *tissues,* Idaho—1973-74. 030945
Apple proliferation [virus] disease in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in **infected** *tissue.* 028170
Tissue-steroid **interactions** in canine hormone-dependent tumours [Dogs]. 024918
Application of disk-electrophoresis method to **investigate** *tissues* of silkworm [Bombyx mori] larvae infected by nuclear polyhedrosis virus. 029796
On the possibility of using a jointly cultured system of **isolated** *tissues* from legumes and nodular bacteria for investigating their interrelations [Alfalfa, Rhizobium meliloti, Rhizobium leguminosarum]. 026949
Activity and properties of alkaline phosphatase in some body fluids (blood plasma, blood serum, bile) and *tissues* **(kidney,** liver, small intestine, bone) of cattle. 023251
The analysis of bee moth **larval** *tissue* proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, polyhedrosis virus]. 029798
Effect of prostaglandin PGE on blood and *tissue* **lipids** in rabbit experimental atherosclerosis. 023605
Intercellular adhesive selectivity. I. An improved assay for the measurement of embryonic chick intercellular adhesion **(liver** and other *tissues).* 023494
Histological development of the thymic and intestinal **lymphoid** *tissue* of the horse. 023563
Pathomorphogical changes in lungs, intra-pulmonary **lymphoid** *tissue* and spleen in relation to aerosol vaccination of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773
Metabolism of arginine and ornithine in the cow and rabbit **mammary** *tissue.* 023509
Dieldrin and DDT in the *tissues* of **mice** fed aldrin and DDT for seven generations. 024940
A **new** *tissue* essential to necrophylactic periderm formation in the bark of four conifers [Abies, Tsuga heterophylla, Thuja plicata]. 025974
Adenosine deaminase in the pig: *tissue-specific* **patterns** and expression of the silent ADA [adenosine deaminase] allele in nucleated cells. 023976
The occurrence of hydroxyindole-O-methyltransferase activity in fetal sheep **pineal** *tissue* and its relationship to preparturient endocrine changes. 024130
Large-scale isolation of intact vacuoles and isolation of chloroplasts from protoplasts of mature **plant** *tissues.* 026067
Plant *tissue* culture methods in somatic hybridization by protoplast fusion and transformation. 026074
A rapid technique for the estimation of polynucleotide adenylyltransferase and ribonucleic acid polymerase in **plant** *tissues* [Maize]. 027015
Precipitation reactions between components of **plant** *tissue* extracts [Jackbeans, kidney beans, pigeon peas]. 027123
Characterization of nuclear membranes and endoplasmic reticulum isolated from **plant** *tissue* [Onions]. 027193
Ethylene and the degreening of **plant** *tissues* [Spinach]. 027227
The effect of 2,4-D on the permeability of **plant** *tissues* [Beans]. 028356
Changes in fatty acid and triglyceride compositions of **porcine** *tissue* lipids associated with growth of pigs. 023572
Relationship between chemical composition and breakdown in cooked **potato** *tissue.* 022951
The effects of Mycoplasma hyorhinis and of Mycoplasma hyopneumoniae on pig kidney **primary** *tissue* culture. 024480
Inoculation of Basidiomycetes into mice: *tissue* **reaction** and survival of fungi in tissues. 024649
The effect of 3-indolylacetic acid on the accumulation of starch in the **root** *tissue* of Cichorium intybus L. [Chicory] cultured in vitro. 027097
Hydrolysis of cyclic guanosine 3',5'-monophosphate in *tissues* of **Schistocerca** gregaria (Forsk.) (Orthoptera). 029441
A class of lectins present in the *tissues* of **seed** plants [Leeks, rape, pigeon peas]. 026386
Dietary vitamin E level, performance, *tissue* **selenium** and selenium balance in growing-finishing swine. 023889
Alpha-glycerol phosphatase and glycerol kinase activities in *tissues* of the **silkmoth** Hyalophora cecropia during the larval-pupal transformation. 029725
The effect of antibiotics on RNA biosynthesis in *tissues* of **silkworm** [Bombyx mori L.) chrysalis during metamorphosis. 029799
Isoenzyme polymorphism in flowering plants. V. The isoesterases of maize: *tissue* and **substrate** specificities, and responses to chemical inhibitors. 027053

TITANIUM

The kinetics of isomerization of delta 3-karene in the presence of a *titanium* **catalyst.** 025347
Isomerization of resin turpentine without pinene on a *titanium* **catalyzer** in the liquid phase. 025310

TITRATION

Automation of uronic **acid** *titration* by the carbazol method: Application to the case of pectic substances. 022380
Formaldehyde *titration* method for the determination of ammoniacal nitrogen in phosphate fertilizers. 030480
Juvenile **hormone** *titre* in the haemolymph of adults of the normal and infected Anacridium aegyptium (Orthoptera) during and after experimental rupture of diapause. 029270
Relationship between **hormone** *titres* and RNA and protein syntheses when the change to the pupal programme occurs in the silkworm, Bombyx mori. 029839
A review of work on **potentiometric** *titration* of south Indian soils. 030296
Application of **thermometric** *titrations* to the study of soil organic matter. I. Simple polyelectrolytes. 030204
Application of **thermometric** *titrations* to the study of soil organic matter. II. Humic acids. 030205

TOBACCO

Effect of a new antiviral substance produced by Streptomyces rameus on plant virus infection, its foliar absorption **andproperties** *[Tobacco].* 028237
A rapid 20-minute method of determining the moisture content of *tobacco* and **Aztec** tobacco seeds [Standards]. 021971
Studies on the haploid method of breeding by anther culture in *tobacco.* V. **Breeding** of mild flue-cured variety F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
Isolation, identification and synthesis of host-seeking stimulants for cardiochiles nigriceps, a parasitoid of *tobacco* **budworm** [Heliothis virescens]. 028722
Effect of irradiation with 60Co [cobalt isotope] on transfer and motility of sperm and on mating of the *tobacco* **budworm[Heliothis** virescens]. 028739
Mo [molybdenum] and N [nitrogen] effects on growth, yield, and Mo composition of **burley** *tobacco.* 026890

Varietal response of **burley** *tobacco* to stage of physiological development when topped. 026893
Photoautotrophic growth and photosynthesis in *tobacco* **callus** cells. 027027
Properties of peroxidases from *tobacco* **cell** suspension culture. 027009
Effect of initial kLa [volumetric oxygen-transfer coefficient] on the growth of *tobacco* **cells** in batch culture. 026978
Promotion of DNA renaturation by a non-DNA factor in *[tobacco]* **crown** gall tumor DNA preparations [Agrobacterium tumefaciens]. 028134
The development of the multiple disease resistant flue **cured** *tobacco* variety, F 209 [Breeding]. 026102
The mineral nutrition of culture chlorophyllous cells of *tobacco*. II. **Effects** of N/K, Ca (sigma mu-Ca), Cl and Na [nitrogen/potassium, calcium, chlorine, sodium] in the medium on growth conditions of cells. 026912
Certain problems of dust removal from *tobacco* [in **fermentation** factories]. 022832
Raw material losses on [operating] lines for the preparation of *tobacco* for **fermentation.** 022834
Breeding of broad leaf type varieties (F 207, F 208) in **flue-cured** *tobacco*. 026100
Diseases of **flue-cured** *tobacco* in Ontario and estimates of disease losses, 1972-73. 028348
To increase the economic efficiency of *tobacco* **growing** in the Crimea [Returns, prices]. 021447
Some major regional problems in *tobacco* **growing** and processing. 027409
Regularities in the action of fertilizers on **growing** *tobacco* in various zones. 030542
Induction of **haploid** *tobacco* plants from isolated pollen. 027040
Various schemes of **heating** *tobacco* dryers with thermal generators. 022837
Dynamics of juvenile hormone action in larvae of the *tobacco* **hornworm,** Manduca sexta (L.). 029252
Juvenile hormone titers in hemolymph during late larval development of the *tobacco* **hornworm,** Manduca sexta (L.). 029253
The biology of the black larval mutant of the *tobacco* **hornworm,** Manduca sexta. 029420
Results of work [of *tobacco* **industry**] groupings in 1974, plans for the final year of the five-year period. 021804
[Quality] certification of products in the branch [of *tobacco* **industry**]. 021973
Outdated methods of work [in *tobacco* **industry**] should be abandoned. 027528
Reaction of interruption of darkness by light and growth **inhibitors** *[Tobacco]*. 026950
Microfibril synthesis at the surfaces of **isolated** *tobacco* mesophyll protoplasts, a freeze-etch study. 026059
Penetration of plant viruses into **isolated** *tobacco* leaf protoplasts. 028241
A biosynthesis chamber system for the production of isotopically **labeled** *tobacco*. 026970
The production and fermentation of *tobacco* in **large-sized** packs. 022836
Isolation and purification of cytokinin binding protein from *tobacco* **leaves** by affinity column chromatography. 026903
Strain changes in populations of *tobacco* **mosaic** virus from tomato crops. 028218
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of *tobacco* **mosaic** virus in hypersensitive hosts of the genus Nicotiana. 028222
Model system for the adsorption of *tobacco* **mosaic** virus. 028240
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with *tobacco* **mosaic** virus. 028258
Staining reactions of the tissue bordering lesions induced by wounding, *tobacco* **mosaic** virus, and tobacco necrosis virus in [kidney] bean. 028262
Variability of *tobacco* **mosaic** virus in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and cross protection. 028272
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against *tobacco* **mosaic** virus (TMV). 028276
Transmission of *tobacco* **necrosis** virus by Olpidium brassicae. 027984
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and *tobacco* **necrosis** virus in [kidney] bean. 028262
Caryological studies in anther-derived haploids of **Nicotiana** *tabacum* L. [Tobacco]. 026104
Deuterium isotope effects in **Nicotiana** *tabacum* [Tobacco]. 026928
Deuterium isotope effects in **Nicotiana** *tabacum* [Tobacco]. 026929
Uptake, translocation, and metabolism of [the nematicide] Tirpate in *tobacco* **Nicotiana** tabacum. 028378
Population fluctuations of **Oriental** *tobacco* budworm (Heliothis assulta G.) in black light-traps and field control studies. 028791
The relationship of plastic deformation in freeze-etching to the orientation of a protein **particle** *[Tobacco]*. 026029
Unilateral cross protection among some NEPO viruses *[Tobacco,* **Petunia** hybrida]. 028206
Means of increasing the efficiency of *tobacco* **production** in the state farms in Azerbaijan. 021333
The raise of the concentration of *tobacco* **production** in the Ternopol'skaia province [Returns]. 021446
What the survey of the consumers of *tobacco* **products** has shown. 021972
Rational utilization of *tobacco* **raw** material [in a processing factory]. 022833
Spectrophotometric methods of determining the quality of *tobacco* **raw** material. 022835
Use a [disease] **resistant** *tobacco* variety. 026075
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of **'Samsun'** *tobacco* plants following systemic infection with tobacco mosaic virus. 028258
The nature of the infectious agent of *tobacco* **stunt** [virus] in relation to its [fungus] vector, Olpidium brassicae. 027983
Host range and properties of *tobacco* **stunt** virus. 028229
Acquisition and loss of the *tobacco* **stunt** pathogen by Olpidium brassicae [fungus vector] and transmission by sap inoculation. 028236
Synthesis and anticytokinin activity of **4-substituted-7-(beta-d-ribofuranosyl)-pyrrolo[2,3-d]pyrimidines** *[Tobacco]*. 027012
Caryological studies in anther-derived haploids of Nicotiana **tabacum** L. *[Tobacco]*. 026104
Deuterium isotope effects in Nicotiana **tabacum** *[Tobacco]*. 026928
Deuterium isotope effects in Nicotiana **tabacum** *[Tobacco]*. 026929
Mo [molybdenum] and N [nitrogen] effects on growth, yield, and Mo composition of *burley* **tobacco.** 026890
Varietal response of *burley* **tobacco** to stage of physiological development when topped. 026893
Comparison between biosynthesis of ent-kaurene in germinating tomato seeds and cell suspension cultures of **tomato** and *tobacco*. 027264
The efficiency of chemical protection of *tobacco* from **tomato** spotted wilt. 028278
Field resistance of *tobacco* **varieties** and hybrids to downy mildew [Peronospora tabacina]. 028100
Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in *tobacco* and **vegetables.** 029118
The experience of growing American varieties of **Virginia** *tobacco* in Bulgaria. 027529
Studies on the cucumber mosaic **virus** in *tobacco*. 028220
Effect of [herbicide] molecules with hormonal properties on phenylalanine ammonia lyase activity [in *tobacco* and **wheat**]. 028537
Effects of nematicides on the nematode populations and **yield** of *tobacco*. 028408

TOCOPHEROLS

Fat source and vitamin E level of sow gestation diets: effects on **alpha** *tocopherol* and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818
Production and physiological activity of *tocopherols* and their **analogues** [Livestock nutrition]. 023946
Study of antiradical activity of *tocopherols* by using the **chemiluminescent** method. 022220
Qualitative study of *tocopherols* in some **legume** seeds. 022196
Antioxidant function of *tocopherol* and **possibility** of replacing it by synthetic inhibitors [Chemistry]. 022214
Selenium-tocopherol in **veterinary** medicine. 024391

TOLBUTAMIDE

The effects of *tolbutamide* on the **development** of atherosclerosis in rhesus monkeys fed an average American table-prepared diet. 021992

TOLERANCE

Eleocharis acicularis (L.) R. & S.: The autecology of an **acid** *tolerant* sedge. 025886
Tolerance of **Botrytis** cinerea and rose powdery mildew [Sphaerotheca ?pannosa]. 027934
Assessment of **cold** *tolerance* in sugarcane hybrids derived frrom traditional and new germplasm. 026293
Influence of soil moisture on *tolerance* of **corn** to cyanazine [Herbicides]. 028619
Evaluation of commercial corn hybrids for *tolerance* to **corn** rotworm [Diabrotica]. 028729
Poikilohydrous plants: the extreme case of **drought** *tolerance*. 026857
Production of threitol and sorbitol by an adult insect [Upis ceramboides]: association with **freezing** *tolerance*. 029460
Tolerance of **Fusarium** oxysporum f.sp.gladioli to benzimidazole fungicides [Gladiolus, corm rot]. 027884
Different effects of bacterial lipopolysaccharide on neonatal **immunological** *tolerance* to HSA [human serum albumin] in rabbits and chickens. 024523
Tolerance of **Lolium** hybrids to quantitative variation in nuclear DNA. 026228
A comparative study on characters of heavy **metallic** *ion-tolerant* microorganisms [Soil and water pollution]. 030904
The *tolerance* of **oil** seed rape to herbicides. 027039
Tolerance of **ponies** to high levels of dietary copper [Toxiceffects]. 024967
Selection criteria for **Verticillium** *tolerance* of alfalfa. 026175
Water *tolerant* trees as bonsai. 027715

TOMATO

The creator of original varieties of *tomatoes* **[Aleksandr** Vasil'evich Alpat'ev, plant breeding]. 026266
Phytophthora diseases can be **avoided** *[Tomatoes]*. 027998
Differences between twisted leaf and *tomato* **bushy** stunt virus in sweet cherry. 028176
A foot and root rot disease of *tomato* **caused** by Fusarium oxysporum. 027927
Physiocochemical and microbiological evaluation of **commercial** *tomato* pastes. 022882
Aspects of the agronomic technique of the **commercial** *tomato:* investigations on a new cultivar adapted to mechanical harvesting. 027844
Controlling *tomato* diseases. 028363
Strain changes in populations of tobacco mosaic virus from *tomato* **crops.** 028218
Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focusing of proteins and enzymes from *tomatoes,* **cucumber,** sugar-maize and onions. 023003
Growing vegetable crops in rockwool and other media [Lettuce, *tomatoes,* **cucumbers].** 027605
Decentralized *tomato* processing: plant design, costs, and economic feasibility. 022870
Carotene epoxides from the **Delta** *tomato* mutant. 027242
Tomato **diseases** in sheltered ground. 028481
Light-dependent control [system] of day temperature for **early** *tomato* crops. 027615
Light-dependent temperature programmes for **early-sown** *tomatoes* [in greenhouses]. 029879
Zinc nutrition and temperature **effects** on *tomato*. 027206
On the specificity of sucrose for the growth of **excised** *tomato* roots. 027154
Effectiveness of a leafminer [Liriomyza sativae] control program for **Florida** *tomato* production. 028866
Ontogenetic predisposition of *tomato* **foliage** to race O of Phytophthora infestans [Late blight]. 028058
Water permeability during *tomato* **fruit** development in normal and rin nonripening mutant. 027274
Influence of stage of development at planting on flowering and **fruiting** in *tomato*. 027610
Pigment evolution in Lycopersicon esculentum *[tomato]* **fruits** during growth and ripening. 027248
The effects of plant population, irrigation frequency and cultivars on yield and canning qualities of *tomato* **fruits** grown under hot tropical conditions. 027640
Fungal antagonists for [biological] control of *tomato* **Fusarium** diseases. 027997
Comparison between biosynthesis of ent-kaurene in **germinating** *tomato* seeds and cell suspension cultures of tomato and tobacco. 027264
Variability of tobacco mosaic virus in relation to control of tomato mosaic in **glasshouse** *tomato* crops by resistance breeding and cross protection. 028272
Root temperature and **glasshouse** *tomato* production [Equipment]. 029988
Selecting high-yield varieties of *tomatoes* for **greenhouse** culture. 027855
Experiment in **growing** *tomatoes* [Cost]. 021398
Application of herbicides in **growing** *tomatoes* and bush redpeppers. 028529
Varieties and methods of planting determined to use *tomato* **harvester.** 027840
Screening for genetic host resistance against the bacterial leaf spot disease in *tomato* **incited** by Xanthomonas vesicatoria (Doidge) Dowson. 028137
Linkage and allelic relationships among genes for resistance in *tomato* **(Lycopersicon** esculentum) against Meloidogyne incognita [nematode]. 028343
The effect of selected plastic films and chemical dips on the shelflife of **Marmande** *tomatoes*. 022942
Variability of tobacco mosaic virus in relation to control of *tomato* **mosaic** in glasshouse tomato crops by resistance breeding and cross protection. 028272
Interaction of Corynebacterium michiganense [bacterial canker] and meloidogyne incognita [root-knot **nematode**] on *tomato*. 028147
The role of (25S)-5alpha-cholestan-3beta,26-diol and (25S)-5alpha-furostan-3beta,26-diol in the biosynthesis of tomatidine and **neotigogenin** [in *tomatoes]*. 027257
Influnce of SO2 [sulphur dioxide] on the vitamine content of plants *[Tomato,* **pea,** lettuce]. 027115
Growing [glasshouse] *tomatoes* in **peat** substrates. 027606
Possible involvement of growth substances in the response of *tomato* **plants** (Lycopersicon esculentum Mill.) to different soil temperatures. 027201
Influence of temperature, photoperiod and container size on the growth rate and development of *tomato* **plants** in growing rooms. 027611
On the question of integration of Agrobacterium tumefaciensdeoxyribonucleic acid by *tomato* **plants.** 028140
Compost nutrient balance: effects on growth of *tomato* **plants,** fruit quality and yield. 030394
Technique for the determination of the rate of ethylene production by Pseudomonas solanacearum [Bacterial wilt, *tomatoes,* **pototoes].** 028148
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] vertical distribution and *tomato* **production** in a sandy loam greenhouse soil. 028345
The status of *"tomato"* **races** of Phytophthora infestans [Late blight]. 028031
Spread and control of Prunus stem pitting [Peaches, *tomato* **ringspot** virus, transmitted by Xiphinema americanum]. 028196
Factors affecting the occurrence and severity of blackmold of **ripe** *tomato* fruit caused by Alternaria alternata. 028054
Activity of aminotransferase in *tomato* **seedlings** depending on Ca: Mg [calcium: magnesium] ion ratio in the nutrient medium. 027092
The efficiency of chemical protection of tobacco from *tomato* **spotted** wilt. 028278
Tomatoes on **straw** bales in unheated greenhouses [Yields]. 027791
Comparison between biosynthesis of ent-kaurene in germinating tomato seeds and cell suspension cultures of *tomato* and **tobacco.** 027264

The breeding of *tomato* **varieties** for canning for the central zone [of the USSR]. 026265
Resistance of *tomato* **varieties** to black bacterial spot [Xanthomonas vesicatoria]. 028142
Marketing problems force cut in **world** *tomato* harvests. 021544
Effects of chemicals and plastic mulch on nematode populations and **yield** of *tomato*. 028407
Growth and development of **young** *tomato* plants [in greenhouse culture]. 027607

TOMENTELLA

Some new North American species of *Tomentella* **[Fungi,** new taxa]. 025783

TONE

The **hedonic** *tones* [liking or disliking] of artificial sweeteners and their mixtures. 022069
Study of the raw material for **production** *tonic* beverages. 022982

TONGA

Temporary labour migration between *Tonga* and **New** Zealand. 021115

TONNAGE

Is it possible to obtain yields of 10 *ton/hectare* of **grain?** 027498

TOOLS

Opportunities and *tools* for **agricultural** economists in the 1980's. 021702
CMT [California Mastitis Test], your *tool* for **detecting** subclinical mastitis [Dairy cattle]. 024521
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of virion proteins as a *tool* for **detecting** the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Preliminary investigations on the suitability of phloem analysis as a **diagnostic** *tool* to predict the nutritional status of Norway spruce (Picea abies Karst.). 027317
Arabidopsis as a **genetic** *tool*. 026084
Methods and *tools* for **measuring** odors [from barns]. 030972
Error detections at *tool* **prearation** band sawing machines for logs operated in sawmill. 025288
Floor care supplies; what you should know about the three major types: chemicals, **replaceable** *tools* and machines. 022323
Nutrition labeling - *tools* for its use. 022255

TOPDRESSINGS

Late **nitrogen** *topdressing* of winter wheat [Yields]. 030550
Nitrogen *topdressing* of sugarbeets. 030551
Optimization of fertilizer doses for *topdressing* of **winter** wheat after inorganic analysis of the plants for 1975. 030552

TOPOCHEMISTRY

Dynamics of liver glycogen: The *topochemistry* of **glycogen** synthetis, glycogen content and glycogenolysis under the experimental conditions of glycogen accumulation and depletion [Hamsters]. 023420

TOPOLOGY

Dendrogram *topology:* nomenclature [Trees]. 025659
Contributions to *topological* **study** of chestnut [Castanea] stands on the hill piedmonts of Baia Mare. 025226

TOPPING

Scheme of a system for the production of strengthened glue with **continuous** *topping* of turpentine. 025327
Varietal response of burley tobacco to stage of physiological **development** when *topped*. 026893

TOPWORKING *see* GRAFTS

TORQUE

Studies on the effects of variation of tilling conditions on **tilling** *torque* in rotary tiller. 030018

TORTRICIDAE

Approaches to assessing insecticide efficacy in spruce budworm [Choristoneura fumiferana] (Lepidoptera: *Tortricidae)* **control** programs. 028923
"Porapak Q" adsorption of airborne organic compounds by the virgin female of Choristoneura fumiferana (Clem.) (Lepidoptera, *Tortricidae):* **Identification** of E-(11)-tetradecenal, main sex pheromone for this species. 029272
Effects of photoperiod and size on flight activity and oviposition in the eastern spruce budworm [Choristoneura fumiferana] **(Lepidoptera:** *Tortricidae).* 029281
Competition among larvae of Pimplopterus dubius Hgn. (Hymenoptera: Ichneumonidae), a parasitoid of Epinotia tedella Cl. **(Lepidoptera:** *Tortricidae).* 029509
Preliminary field trials with Bacillus thuringiensis-chemical insecticide combinations in the integrated control of thespruce budworm, Choristoneura fumiferana (Lepidoptera: *Tortricidae)* **[Picea** glauca, Abies balsamea]. 028927
Inherited partial sterility and chromosomal rearrangements in succeeding generations after irradiation of Adoxophyes orana (Lepidoptera, *Tortricidae)* with **substerilizing** doses of X-rays and fast neutrons [Integrated pest control, apple orchards]. 028836
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: *Tortricidae)* in the **western** part of Turkey. 028893

TORULA

The fine structure of conidial development in the **genus** *Torula*. I. Torula herbarum (Pers.) Link ex S. F. Gray and Torula herbarum f. quaternella Sacc. [Yeasts]. 025996

TORULOPSIS

The regulation of riboflavin synthetase synthesis by iron in flavinogenic yeasts [Pichia, *Torulopsis,* **Candida,** Schwanniomyces occidentalis]. 026400

TORYMIDAE

A karyological study of nine species of Torymus **(Hymenoptera:** *Torymidae).* 029555

TOUCH

Golden *touch* of Chinese chefs. 022360
Soft serve desserts: the **Midas** *touch*. 022237

TOURISM

Effect of *travel* **constraints** on the distribution of skiing in New England [Recreation]. 021216
Economic importance of *tourism* in **Montana** [Forests]. 025168
Tourism and **recreation** in rural areas. Aspects of land use planning and structural change [Bibliography]. 021161
Expenditures relating to land utilization in areas of *tourist* **traffic**—an examination of problematic expenditures relating to land utilization in spheres of different functions [Recreational use]. 021193
Insects perish on *tourist* **trails** in the Tatry Mountains. 029556
The influence of *tourism* on the **vegetation** of the Babia Gora National Park. 030837

TOXICITY

Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the *toxin* **A-chains** [Rabbits]. 024952
Acute *toxicity* of pesticide mixtures to bluegills [Fish]. 029083
Some *toxic* **African** Euphorbiaceae. 026786
Effect of ascorbic acid on **amine-nitrite** *toxicity* [Food additives]. 022032
Fluorimetric and gas-chromatographic determination of selenium in biological substances [Human and **animal** *toxicity].* 022216
Ascorbic acid requirements and metabolism in relation to organochlorine pesticides *[Toxicity,* **animals].** 023241
Mycotoxicosis in cows caused by *toxins* of **Aspergillus** flavus Lk. [Wheat, feed, contamination]. 025005
Toxicity from **boron** [Grapes]. 028428
Hydrocyanic (HCN) *toxicity* in **broilers** fed diets contaning cassava. 024987
Metabolism and *toxicity* of **cadmium,** mercury, and lead in animals: a review. 024969
Toxicity of **carbaryl** and diazinon to gypsy moth [Porthetriadispar] larvae: changes in relation to larval growth. 028665
Study of **chlorophacinone** *toxicity,* an anticoagulant raticide, in ducks. 024947
The **chronic** *toxicity* of methiocarb [pesticide] to grackles, doves, and quail and reproductive effects in quail. 029089
Comparative *toxic* effect of the surface lipid of Corynebacterium ovis [in sheep] on peritoneal macrophages. 024570
The *toxicity* of **DDE** [dichlorodiphenyl dichloroethylene] to a marine dinoflagellate [Exuviella baltica, algae]. 029095
Hormology with inorganic compounds [Nutritional and *toxic* **effects** on man and animals]. 021873
Introduction to heavy metal toxicity, safety and hormology [Nutritional and *toxic* **effects** in humans]. 021874
Toxicology of non-radioactive heavy metals and their salts [Nutritional and *toxic* **effects** on animals]. 024951
Toxic **effects** of diazinon [insecticide] on the gonads of fowls. 025008
Presence of **epsilon** *toxin* in an apparently healthy kid: a note [Clostridium perfringens, enterotoxaemia]. 024552
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, grape vines and grape products, *toxicity,* **etc.).** 028087
Studies on *toxic* **factor** in bracken fern [Pteridium aquilinum]. I. Attempts to produce bovine bracken poisoning by feeding soluble extracts [Bulls, sheep]. 025004
Studies with Fusarium [roseum]-infected corn [Swine, **feed** *toxicity].* 023070
Effect of night temperature on the *toxicity* of **field-weathered** mevinphos residues to honeybees. 029184
Toxicity of **fringe** treatments of peas [Chemical and biological control of Sitona]. 028916
Fungal *toxins* as determinants of hosts specificity [Helminthosporium victoriae, blight of oats, Helminthosporium carbonum, leafspot of maize, Helminthosporium maydis, leaf blight of maize, Helminthosporium sacchari, eyespot ofsugarcane. 027970
Genetical effect of the *toxin* of the **fungus** Phoma tracheipfilla (Petri) Kantschaveli et Gikaschvili on citrus crops. 028097
Protective effects of ascorbic acid against *toxicity* of **heavy** metals. 022041
The involvement of **host-specific** *toxins* in early step of infection by Alternaria kikuchiana and Alternaria mali [Pears, apples]. 027982
Antitoxic **immunity** in experimental cholera: protection, and serum and local antibody responses in rabbits after enteral and parenteral immunization. 024569
Iodine *toxicity* in cattle. 024954
Ribosome inactivation by the *toxic* **lectins** abrin and ricin. Kinetics of the enzymic activity of the toxin A-chains [Rabbits]. 024952
The amino acid sequence of purothionin A, a **lethal** *toxic* protein for brewer's yeasts [Saccharomyces cerevisiae] from wheat [flour]. 026350
Light-stimulated *toxin* production in Helminthosporium maydis, race T, cultures [Southern corn leaf blight]. 027919
Toxicity [to **livestock]** of some composite (Senecio) weeds. 028574
Response of two soya bean cultivars to **manganese** *toxicity* as affected by pH [hydrogen-ion concentration] and calcium levels. 028333
Introduction to heavy **metal** *toxicity,* safety and hormology [Nutritional and toxic effects in humans]. 021874
Antibody suppression by cadmium **[Mice,** *toxicity].* 024939
Natural *toxicants* in foods. 022125
Questions about the extreme geochemical ecology of animals [livestock, sheep] in provinces with selenium and some approaches to a study of the biological role of selenium **[Nutrition,** *toxicity].* 023947
Estimation of tutin and hyenanchin in honey. 3. *Toxicity* **ofhoney** samples from test hives, 1968-74 [Scolypopa australis, Coriaria arborea]. 021952
Toxicity of **organophosphorus** systemic pesticides to predator mites [Neoseiulus fallacis] and prey [Tetranychus urticae, integrated control, beans]. 028839
Comparison of *toxicity* between **organophosphorus** toxicants and ethylene dibromide, alone and in combination, to Monochamus alternatus Hope (Coleoptera: Cerambycidae. I. The. 028949
Concerning the *toxicity* of **parbendazole** (Helmatac 30) to horses and ponies [Anthelmintics]. 024732
Liming effects on the *toxicity* to **perennial** ryegrass [Lolium perenne] of a sewage sludge contaminated with zinc, copperand chromium. 028360
An attempt to assess the *toxicity* of **pesticide** formulations to honeybees [Apis mellifera] foraging on caged apple trees. 029113
Some effects of lindane on the microsomal enzymes of the rat liver **[Pesticides,** *toxicity].* 029100
Plant *toxicities* in sheep on a property with unusual weed control problems. 028563
Animal data on **plutonium** *toxicity.* 024956
Feeding experiments with rainbow trouts using Camembert andRoquefort starters [to test their **potential** *toxicity].* 021945
Influence of excess vitamin E on vitamin A *toxicity* in **rats.** 024971
Influence of methyl bromide fumigation on eggplant *[toxicity]* in **relation** to fertilization with ammonium sulphate. 028365
Relative *toxicity* of some important insecticides to the adults of lacewing bur Urentius echinus Distant (Heteroptera: Tingidae) [Eggplant pests]. 028846
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[Weed, *toxic* to **sheep].** 026384
Effect of some soil amendments on plant growth, survival and yield of dry beans (Phaseolus vulgaris L.) in relation to **sodium** *toxicity.* 028379
About the *toxins* of **spheropsidal** fungi [plant pathogens]. 028006
Physiological effects of carrageenan [Food **stabilizer,** *toxicity].* 021830
Scientific bases of establishment of maximum permissible concentrations of *toxic* **substances** in open waters (biological aspect) [Pollution]. 030986
Observations on antrycide methyl **sulphate** *toxicity* in Indian cattle and buffaloes. 024962
Toxicity **tests** of some chemicals against certain wood-staining fungi. 025381
Contact, residue, and **vapor** *toxicity* of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987
Termite (Isoptera) suppression with *toxic* **[wood]** baits. 028928
A discounted least squares quadratic growth prediction model for use in 2 **year** *toxicity* studies [Rats]. 024981
Toxicity of **zinc** to the green alga Selenastrum capricornutum as a function of phosphorus or ionic strength. 028357
Studies on the *toxicity* of **zinc** sulphate and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927

TOXICODENDRON

Urushiols of poisonous Anacardiaceae *[Toxicodendron,* **Metopium** toxiferum]. 028538

TOXICOLOGY

Toxicological **decisions** and recommendations resulting from the safety assessment of pesticide residues in food. 029093
Embryological aspects of **environmental** *toxicology:* relation between environmental protection and the successful conservation of species in the view of experimental embryology. 030878

Chromatographic methods for the anaysis of hexachlorobenzene [fungicide] and possible metabolites in monkey fecal samples [**Human** *toxicology].* 029117
The *toxicology* of **nitrate,** nitrite and N-nitroso compounds [in food]. 021937
Toxicology of **non-radioactive** heavy metals and their salts [Nutritional and toxic effects on animals]. 024951
Progress in **pesticide** *toxicology* in the USSR. 029173
Medical and *toxicological* **research** on dieldrin and related compounds. 029096
Toxicology [of **scandium**]. 024961

TOXIGENICITY
Chemical composition of the hyphal wall of a *toxigenic* **fungus,** Penicillium rubrum stoll. 026646

TOXOCARA
Experimental studies on "larva migrans". I. Transition of blood picture in mice infected with *Toxocara* **canis** larvae. 024622

TOXOPLASMA
The presence of *Toxoplasma* **gondii** in goats in Sri Lanka. 024501
An in vitro study on lymphocyte-mediated immunity in mice experimentally infected with *Toxoplasma* **gondii.** 024625
Disinfectant effects of several chemicals against *Toxoplasma* **oocysts** [Cats, chickens]. 024627
Destructive effect of heating against *Toxoplasma* **oocysts.** 024654
Pathogenicity for several laboratory animals of *Toxoplasma* **oocysts** originated from naturally infected cats. 024656
Latent infection of *Toxoplasma* in **swine.** 024632

TRACE
New light on zinc *[Trace* **element** deficiencies]. 021994
Macro-element and *trace* **element** nutrition of sheep grazing tussock grassland. 022709
Major and *trace* **element** analysis in red imported fire ant [Solenopsis invicta] queens by ion induced X-ray fluorescence. 029357
Collaborative study on the determination of *trace* **elements** in dried sugarbeet pulp and molasses. 1. Mercury. 022859
Investigation of *trace* **elements** uptake by plants on peat soils at Keszthely. IV. [Field crops]. 026886
Fertilizing and liming—factors influencing uptake of *trace* **elements** by ornamental plants grown in peat substrate. 027075
Concentration of some major and *trace* **elements** in honeybees [Apis mellifera] of different castes and growing stages. 029774
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and *trace* **elements** nickel, copper, zinc, rubidium, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Study of the sources of entry of *trace* **elements** into rivers and processes of self-purification of water. 030778
Fritted *trace* elements (F.T.E.) as a basic fertilizer for peat. 030400
Bacterial production of protein from cellulose. II. Effect of **individual** *trace* elements on cellulose fermentation [Food research]. 022372
Tracing **mercury** in a biosphere [Air pollution]. 030799
Significance of *trace* **metals** and nitrates in sludge soils. 030253
Trace **minerals** are top nutrition insurance [Dairy cattle]. 023728

TRACHEAL
Growth of the *tracheae* during the **development** of physogastry in the queen of higher termites (Isoptera: Termitidae). 029385
Structure and function of the respiratory epithelium in the *tracheal* **gills** of stonefly larvae [Perla, Protonemura, Taeniopteryx]. 029419

TRACKING
Statical solution on the cable crane [logging equipment] of Y-type system. II. Numerical values of design factors giving allowable tension to the *track* **cable.** 025421
An outbreak of equine infectious anemia in the Himeji **Race** *Track* and its control. 024484
Equine endoscopy [of the upper **respiratory** *track].* 024380

TRACT
Functional anatomy and nervous control of the equine **alimentary** *tract* [Horses]. 023562
Osmotic shock as a prerequisite to pollen digestion in the **alimentary** *tract* of the worker honeybee [Apis mellifera]. 029820
A note on response of potato to irrigation and nitrogen in **central** *tract* of Uttar Pradesh. 027758
Herbicides check weeds in largest **citrus** *tract.* 028507
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the yield of American cotton variety 320 F in Sri **Ganganagar** *tract* of Rajasthan [Fertilizers]. 030442
Gastrin activity along the **gastrointestinal** *tracts* of some ruminants and the donkey [Cattle, goats, sheep]. 023416
51Cr-EDTA, 91Y and 141Ce [chromium isotope-ethylenediamine, tetraacetic acid, cerium isotope] as nonabsorbed reference substances in the **gastrointestinal** *tract* of the chicken. 023541
Enhanced respiration and reduction of tetracycline binding of boar and bull spermatozoa following incubation in the female **genital** *tract.* 024145
Experimental research on operations of specially-designed **hydraulic** *tract* or loader [Logging equipment]. 025391
Infectious diseases of the **intestinal** *tract:* the secret of coccidiosis is further revealed [Sarcocystis fusiformis, cats, dogs]. 024745
Myo-epithelial junctions in skeletal and in **intestinal** *tract* muscle of the mite, Caloglyphus anomalus (Acarina). 029437
A scanning electron microscopic study of rabbit spermatozoa in the female **reproductive** *tract* following coitus. 024054
Diagnosis of reproductive failure through gross examination of porcine **reproductive** *tracts.* 024928
Newcastle disease virus pathogenesis in the **respiratory** *tract* of local or systemic immunized chickens. 024444
Bacteriological status of **respiratory** *tract* of normal fowl. 024545
Bollworm (Heliothis sp.) control on rainfed cotton of **tinnies** *tract* of Tamil Nadu. 028717

TRACTION
Parameters characterizing soil in the *traction* **equations** [Tractors]. 030336

TRACTORS
Drawbar performance of **agricultural** *tractors.* 030153
Effects of tire deformation on the tractor transversal stability. **Articulated** *tractor.* 030118
Pulling properties of the *tractor* Z-8011 with the **Barum** and Goodyear tires. 030000
Wear character of piston rings of *tractor* **engines** of unified range. 030003
Parameters characterizing soil in the traction **equations** *[Tractors].* 030336
Determination of tire characteristics and equipment performance for **field** *tractors.* 030074
Frames or cabins having undergone the tests of the former codes of the Organization for Economic Cooperation and Development, with the indication of the *tractors* to which they **fit.** 030019
Possibilities of regulation of force action of carried and hung **implements** on the *tractor.* 029998
The hydraulic system of the *tractor* **John** Derre 4630. II. 030105
The **new** *tractor* prices. 030050
Why are all wheel drive high **performance** *tractors* prevalent? 030078
The 1014 Allrad 105 horsepower Kramer two **row** *tractor.* 030054
Considerations on the stability of *tractor* **safety** frames in over-turning, especially of those equipped with replacements. 030076
On the adaptation of **skidder** *tractors* to carrying out of currant repairs. 025402
Measuring fuel consumption in *tractor* **testing.** 030160
The **"trac"** *tractor:* display gag or sensation in broad action? 030052
Effects of tire deformation on the *tractor* **transversal** stability. Articulated tractor. 030118
Mobile device for technical servicing of *machine-tractor* **units.** 030083
Roll and pitch investigations of off-road **vehicles** *[Tractors].* 030147
Energetic analysis of the aggregate from a **wheel** *tractor* and classical mower. 029996
Research on the stability of **wheeled** *tractors* [Forestry]. 025453

TRADE
Canada's **agricultural** *trade* performance in 1974 and prospects beyond 1975. 021476
U.S. **Agricultural** *trade* with Mexico, fiscal 1975. 021502
U.S. **Agricultural** *trade* as a share of production. 021504
U.S. **Agricultural** *trade* with Canada, fiscal 1975: exports rise, imports decline. 021505
U.S.-People's Republic of China **agricultural** *trade* in fiscal 1975. 021510
World monetary conditions in relation to **agricultural** *trade.* 021651
Agricultural *trade* unionism: some comments on the proposed legislation [New Zealand]. 021711
Residues in milk, blood serum and urine after intrauterine administration of **antibiotic** *trade* preparations to puerperal cows. 024995
Economic aspects of peanuts [Marketing, *trade,* **Argentina].** 021582
Protectionism in **beef** *trade.* 021557
U.S. *Trade* with **Central** America. 021509
U.S. **Dairy** *trade* deficit reduced in fiscal 1975 as exports gain and imports decline [Statistics]. 021515
The problem of Hungarian agricultural exports in the **English-Austrian** *trade* talks of the 1860s. 021462
Quality of the 1975 [cereal] harvest and its influence on baking procedures of *trade* **flours.** 022803
Relative advantages enjoyed by Kibbutz industry [collectivefarm] in the **free** *trade* between Israel and the Common Market. 021574
World **grain** *trade* and other factors influencing U.S. Beef production. 021624
French curtail, shift cotton **import** *trade.* 021536
Good prospects for marked articles [Dairy **industry,** *trade].* 021483
EEC [European Economic Community] agricultural policy. III. **International** *trade* [Bibliography]. 021691
Trade **labeling** problems of dairy products. 021943
Agriculture and the MTN **[Multilateral** *Trade* Negotiations]. 021517
Changing eating habits lift potato **product** *trade.* 021525
Iran: agricultural **production** and *trade.* 021492
The successful dairy production **section** *[Trade].* 021487
Butz **sees** *trade* growth in East Europe, Mideast. 021523
Review of the agricultural situation in Europe at the end of 1974. Volume II. Dairy products, eggs [Production, consumption, *trade,* **statistics].** 021489
Record '76 output should help stabilize world **sugar** *trade.* 021558
Sugar market policy from the view of the German **sugar** *trade.* 021656
Moving? **Traveling?** *Trading* plants? Leave pests behind [Quarantine]. 028410
World *trade* in oilseeds, oils and fats: past and prospects. 021490

TRADESCANTIA
A comparison of potassium and chloride uptake by *Tradescantia* **albiflora** leaf cells at different KCl [potassium chloride] concentrations. 026387
Influence of hypoxia on protoplast structure in the plant cell [of onion and of *Tradescantia* **bracteata].** 027095
The effect of oleander [Nerium oleander] glycosides on the germination of pollen grains and the mitosis of the generative nucleus in *Tradescantia* **bracteata** Small and Allium Cepa L. [Onions]. 027096
Translocation of uranin in the symplasm of staminal hairs of *Tradescantia* **[virginica].** 026452

TRAILER
Study of vertical dynamics of the MAZ-509 plus TMZ-803 **logging** *truck-trailer* trains. 025412

TRAILS
Insects perish on **tourist** *trails* in the Tatry Mountains. 029556

TRAINING
Apprentice *training* for maintenance employees in the pulp and paper industry. 025503
Economic analysis—**auditor** *training* and field experience. 021317
Training: 1975's **best** return on investment. 022288
Training **employees** for a convenience foods system. 022285
Training **employees** isn't enough. 022293
Application of Lynton-Pareek model in **farmers'** *training.* 021104
Student-run restaurant serves main course of **foodservice** *training.* 022287
Effects of bending and ringing of branches *[training* **method]** on flowering and fruiting of ponkan (Citrus reticulata Blanco) trees. 027143
Training **microbiologists** for fermentation technology in Japan [Foods]. 022472
The effect of **physical** *training* on skeletal muscle enzyme composition in pigs. 023195
Training and **pruning** of passion fruit (Passiflora edulis Sims) in Kenya. 027650
A question of *training* **[Swine** farm management]. 021309
Study of vertical dynamics of the MAZ-509 plus TMZ-803 logging **truck-trailer** *trains.* 025412
Person to person; **unique** *training* program helps lunchroom aides deal with individual problems. 022262
Modern **vocational** *training* in nutrition. 022223

TRAMETES
Studies on the decomposition of lignosulfonates by the fungi Pleurotus ostreatus and *Trametes* **pubescens.** 026324

TRANSAMINASES
Interaction of **aspartate** *transaminase* from chicken heart cytosol with analogs of pyridoxal phosphate. 023310
Subcellular localization of **gamma-aminobutyrate** *transaminase* and glutamate dehydrogenase in adult rat brain. Evidence for at least two small glutamate compartments in brain. 023289
A note on *transaminases* in the **ripening** of bananas on storage. 027163

TRANSDUCERS
The electrophysiology of *transduction,* **retinal** interaction and axonal conduction in invertebrate photoreceptors [Includes insects]. 029314

TRANSECTION
Studies of the hypothalamus and the pituitary gland, with special reference to the effects of *transection* of the **pituitary** stalk [Includes animals]. 023177

TRANSFER
Study of fatty **acid** *transfers* between liposomes and isolated mitochondria of cauliflowers. 027236
Lead and active **calcium** *transfer* through the intestinal wall in rats. 025000
Economic issues in programs of *transferable* **development** rights. 021196
The *transference* of **dietary** mercury to the eggs in chickens. 023931
Application of the **egg** *transfer* tecnique in cattle and sheep. 024176
Temperature-induced phase changes on the kinetics of photosynthetic **electron** *transfer* in winter and spring wheat chloroplasts. 026908
Natural convection **heat** *transfer* in covered plant canopies [Electrical system]. 029880

The influence of convective sensible **heat** *transfer* on the greenhouse and the curtain effect. 029890
Solution of differential equation of **humidity** *transfer* [in cereals] on an analogue computer. 026880
Transfer of **IgG** [immunoglobulin] from plasma to nasal secretions in newborn lambs. 024756
Kinetic studies of **leucyl** *transfer* RNA synthetase from Bakers' yeast: Order of addition of substrates and release of products. 026628
Long-distance *transfer* of data and mechanized data processing in sugar industry. 022757
The *transfer* of **mannose** to dolichol diphosphate oligosaccharides in pig liver endoplasmic reticulum. 023294
Basic knowledge of freeze drying. Heat and **mass** *transfer*. 022444
Heat and **mass** *transfer* in freeze drying. 022453
Heat and **mass** *transfer* in freeze drying of mixed granular particles. 022454
Effect of irradiation with 60Co [cobalt isotope] on *transfer* and **motility** of sperm and on mating of the tobacco budworm[Heliothis virescens]. 028739
Ova *transfer* in Danish blue white cattle. 023968
Studies on fertilized **ova** *transfer* in goat. 024205
Hydrogen bonding in yeast **phenylalanine** *transfer* RNA. 026812
Transfer of **proteins** across membranes. II. Reconstitution of functional rough microsomes from heterologous components [Dog pancreas]. 023500
Washing of pulps. 3. *Transfer* **rates** of dissolved sodium andlignin from pulps in a dilute, agitated suspension. 025498
Valyl tRNA's *[transfer* **ribonucleic** acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from barley seedlings and yeasts]. 026773
In **vivo** *transfer* of R factors between Escherichia coli strains inoculated into the rumen of sheep. 024605
Effect of initial kLa [**volumetric** *oxygen-transfer* coefficient] on the growth of tobacco cells in batch culture. 026978

TRANSFERASES

Purification and properties of potato 1,4-alpha-D-glucan: **1,4-alpha-D-glucan** *6-alpha-(1,4-alpha-glucano)-transferase:* Evidence against a dual catalytic function in amylose-branching enzyme. 027171
The relative importance of monoamine oxidase and **catechol-O-methyl** *transferase* on the physiologic response to administered norepinephrine in the turkey. 023382

TRANSFORMATION

The onset and progress of *transformation* of **avian** slow into fast muscles under neural influence [Chickens]. 023612
Biochemical *transformation* by fungi, and antifungal activity of 1,4-naphthoquinones, of biosynthetic intermediary products, and of chemically related compounds. 026364
Biological *transformation* of clay-sized sediments in simulated aquatic environments. 030948
Mobility of normal and *virus-transformed* **cells** in cellular aggregates [Chick embryos]. 023496
Long-term perservation of transfecting activity of DNA isolated from rat virogenic XC **cells** *transformed* by Prague strain of Rous sarcoma virus. 024524
Transformation of **clay** minerals under saline and alkali soil conditions. 030322
On a **deep** *transformation* of micas with galacturonic acid, and the genesis of sectites in Podzol. 030186
Effect of organic matter application and water regimes on the *transformation* of **fertilizer** nitrogen in a Philippine soil. 030530
Transformations of **fluxes** and forces describing the simultaneous transport of water and heat in unsaturated porous media. 030389
Plant tissue culture methods in somatic hybridization by protoplast **fusion** and *transformation*. 026074
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a *transformed* **hamster** cell line with use of specific fragments of the virus genome. 024762
Alpha-glycerol phosphatase and glycerol kinase activities in tissues of the silkmoth Hyalophora cecropia during the **larval-pupal** *transformation*. 029725
Nitrite *transformations* in canned meat. 021898
Nitrogen *transformations* in soil as affected by the fungicides benomyl, dyrene, and maneb [Effects on microorganisms]. 030177
Distribution and **nonphotochemical** *transformation* of phytochrome in subcellular fractions from Pisum [sativum, peas] epicotyls. 027267
TAS method for the detection of parathion-methyl and some *transformation* **products** in organic substances. 029082
The expression of avian Gs antigen in mammalian Rous **sarcoma** *virus-transformed* cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
Spontaneous *transformation* of the enteropathogenis Escherichia coli serotype O149:K91:K-88ac:H10 into the enteropathogenic serotype O138:K81 [Rabbits]. 024415

TRANSHYDROGENASE

Oxidation of NADPH by submitochondrial particles from beef heart in complete absence of *transhydrogenase* **activity** from NADPH to NAD [nicotinamide adenine dinucleotide phosphate, nicotinamide adenine dinucleotide]. 023483

TRANSLATION

Translation of **alfalfa** mosaic virus RNA's in mammalian cell-free systems. 028286
Growth hormone, cyclic nucleotides and the rapid control of *translation* in **heart** muscle [Rats]. 023280
Turnover of polyadenylated messenger RNA in fission yeast [Schizosaccharomyces pombe]. Evidence for the control of protein synthesis at the *translational* **level.** 026148

TRANSLOCATION

Translocation of **boron** to plant fruits [Peanuts, subterranean clover]. 026389
Effects of cholecalciferol on the *translocation* of **calcium** by non-everted chick ileum in vitro. 023275
Effect of 2,4-dinitrophenol and ATP [adenosine triphosphate] on uptake, *translocation* and **distribution** of 32P [phosphorus isotope] in cotton plants under different light conditions. 026945
Translocation and some **forms** of germanium in rice plants. 027050
Time-course of 14C [carbon **isotope]-sucrose** *translocation* by successive leaves of Hibiscus esculentus L. (Okra). 027130
Uptake, *translocation,* and **metabolism** of [the nematicide] Tirpate in tobacco Nicotiana tabacum. 028378
Some aspects of absorption, *translocation* and **metabolism** of 14C [carbon isotope]-picloram in gorse [Ulex europaeus]. 028569
Permanent *translocation* heterozygosity in Viscum hildebrandtii Engl. and Viscum engleri Tiegh. (Viscaceae) in East Africa. 026128
Ca [calcium]-uptake and *-translocation* by **plants** with special regard to apple trees. 027070
Association of pink albino seedlings with a **radiation-induced** *translocation* of cucumber. 026118
Translocation of **uranin** in the symplasm of staminal hairs of Tradescantia [virginica]. 026452

TRANSMISSION

Anomalous *transmission* of water through certain peats—a discussion. 030231
Aphid *transmission* and epidemiology of barley yellow dwarf and maize dwarf mosaic in southern France. 028696
Transmission of **broad** bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
The experimental **cyclical** *transmission* of certain African pathogenic trypanosomes. 024643
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange leaf virus **disease** *transmission*. 028789
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral **egg** *transmission* by reovirus-infected broiler breeders. 024439
A comparative study in the *transmission* **electron** microscope and scanning electron microscope of intracellular structures in sheep heart muscle cells. 023529
Transmission of **equine** infectious anemia virus by Tabanus fuscicostatus. 024587
Experimental *transmission* of lymphatic leucosis of sheep. 024796
Some evaluation on the ways and sources of pathogenic microorganisms and on the possibility of their *transmission* to **food** products. 021901
The influence of pH [hydrogen-ion concentration] on the growth and stability of *transmissible* **gastroenteritis** virus in vitro [Swine]. 024426
Transmissible **gastroenteritis** of swine in Colombia, an imported disease. 024744
Apple proliferation [virus] disease in Spain: **graft** *transmission* and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. 028170
Possible relationships among pome fruit viruses detected in **graft** *transmission* trials. 028190
Transmission by **grafting** of a disease of peach in Greece resembling that of chlorotic leaf roll (enroulement chlorotic)of some Prunus species: observations on the symptomatology of the LF disease. 028234
Apple latent viruses: *transmission* from **herbaceous** host tissue to Malus indicator plants and distribution in apple budwood. 028169
Transmission of **Histomonas** meleagridis to domestic fowl by means of earthworms recovered from pheasant yard soil. 024452
Study of the vertical transmission and **horizontal** *transmission* of Drosophila melanogaster and Drosophila immigrans Picornavirus. 029225
Failure of Anopheles stephensi Liston to *transmit* **human** plasmodia mechanically. 029042
Humoral *transmission* of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and systemic blood fractions [Rabbits]. 023608
Studies on the cultivation of an agent of bovine leucosis in bovine leucocyte cultures. 3. **Leucosis** *transmission* to calves with cell-free culture medium. 024806
Studies on the nondestructive measurement of quality of Satsuma mandarin oranges. II. The use of **light** *transmittance* techniques for fruit grading. 021861
Alternative strategies for **locating** *transmission* lines [Rural electrification]. 029914
Transmissible and **non** transmissible fruit deformation of quince [caused by virus]. 028205
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae [fungus vector] and *transmission* by **sap** inoculation. 028236
In vitro culture of the proximal tubule of the bovine nephron. *Transmission* and **scanning** electron microscopy. 023359
Transmission and **scanning** electron microscopy of changes associated with microcyst formation in the myxamoebae of Physarum polycephalum [Fungi]. 026001
Appearance of Fasciola cercariae in rice fields determined by a metacercaria-detecting buoy [Cattle, liver fluke, *transmission,* **snails].** 024653
Some problems of male **sterility** *transmission* and combining ability in lucerne hybrids made with a gytoplasmic male sterility system. 026177
Evidence for noradrenaline and adrenaline as **sympathetic** *transmitters* in the chicken. 023324
Transmission of **tobacco** necrosis virus by Olpidium brassicae. 027984
The **trans-stadial** *transmission* of the bovine farcy organism, Nocardia farcinica, by the ixodid Amblyomma variegatum (Fabricius, 1794). 024743
Study of the **vertical** *transmission* and horizontal transmission of Drosophila melanogaster and Drosophila immigrans Picornavirus. 029225
Lack of potato virus S *transmission* **via** true seed in Solanum tuberosum. 028261
Investigation of alfalfa mosaic **virus** *transmission* through alfalfa seed. 028255
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and **virus** *transmission* efficiency [Cowpeas]. 028771

TRANSPIRATION

Transpiration **method** for determining heat resistance of plants. 026565
Investigations on the importance of the root systems of cultivated plants. I. The influence of the soil water content and nitrogen manuring on plant growth, root morphology, *transpiration* and **nitrogen** absorption [Maize, barley]. 027061
Role of *antitranspirants* **[reducing** water loss from the plant] in arid agriculture. 027417
Soil-moisture studies in fallow-barley rotation under mulches, *antitranspirant* and **type** of seed bed. 027425

TRANSPLACENTAL *see* PLACENTA

TRANSPLANTS

Experimental keratoplasty in dogs and rabbits *[Transplant* of the **cornea].** 024322
Development of complete and bisected male genital disks after *transplantation,* and **duration** of host development in Ephestia kuehniella Z. 029505
Use of ethrel to promote rooting and growth in *transplanting* some **Eucalyptus** seedlings. 027327
Muscle formation de novo under the *transplantation* of **muscles** treated by trypan blue [Rabbits, rats]. 023603
Nuclear *transplantation* in the rabbit egg. 024157
The creation of mother plantations and nurseries for the production of vegetatively propagated **tea** *transplants.* 027863
Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different paddy fields. II. Relationships between *transplanting* **time** and absorption of nitrogen by rice plants. 027054

TRANSPORTATION

Evidence against the participation of the gamma-glutamyltransfease-gamma-glutamylcyclotransferase pathway in amino **acid** *transport* by rabbit erythrocytes. 023279
Amino **acid** *transport* by aggregates of cultured chicken heart cells: Effect of insulin. 023476
Evidence for three glutamic **acid** *transporting* systems with specialized physiological functions in Saccharomyces cerevisiae [Yeast]. 026393
Amino **acid** *transport* systems of cultured soybean root cells. 026924
Impact of *transportation* of **agricultural** inputs and products on rural development in the Great Plains. 021573
On modernization of **auto** *transport* of wood chips. 025446
Auxin *transport* inhibitors fluorescein and related compounds [Kidney beans]. 027260
The effect of *transport* on **biostimulation** of algal growth [Chlorella pyrenoidosa, Anacystis nidulans]. 026547
Establishing typological base of work means and modalities by skidding and transport of round timber, in the case of some coupes within Forest Enterprise for Logging and *Transport* **Brasov.** 025478
Vitamin D-dependent, particulate calcium-binding activity and intestinal **calcium** *transport.* 022012
Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and **cell** *transport.* 024046
Combine and *transportation* **complexes** in the harvesting of cereal crops. 030167
Organization of **container** *transport* [of bottled beer]. 021491
Evidence for ceruloplasmin as a **copper** *transport* protein [Rats]. 023271
No *transport* **crunch** yet for record U.S. Grain exports. 021550
Transportation and **culture** of Tytthus mundulus [egg predator of the sugarcane leafhopper, Perkinsiella saccharicida in Australia]. 028756
Long **distance** *transport* of potassium in intact peanut seedlings: effect of sodium and ouabain. 027121
Investigation on the long **distance** *transport* of some foliar applied 14C [carbon isotope]-labeled amino acids [Kidney beans]. 027129
Bulk rice. Alternatives for harvesting, *transport,* **drying** and storage. 022794
Effect of underpressure on performance and *transportation* **efficiency** of a rotary air pump [Equipment]. 029994

Ascorbic acid and **electron** *transport*. 022018
The activation of non-phosphorylating **electron** *transport* by adenine nucleotides in Jerusalem-artichoke (Helianthus tuberosus) mitochondria. 027125
Effect of vitamin K3 on photosynthetic **electron** *transport* [Peas]. 027132
Reduction of oxygen by the **electron** *transport* chain of [spinach] chloroplasts during assimilation of carbon dioxide. 027140
Estimating the *transport* and **evaporation** of blowing snow. 030701
Research on the locality of swine farm: *transportation* **factors** in swine rearing on areas far from the market. 021470
Suggestion on the modernization of mixed **feed** *transportation*. 021571
Reducing losses of pressure in **feed** *transporting* in vibrating tubes. 030162
Study of operating conditions of the screw pump *[Transport* of **feed** mixes and water. 030163
Simulation model for **grain** *transportation* and handling rationalization on a regional basis. 021479
New method of [press] packing sunflower husks [for *transport* to **hydrolitic** processing establishments]. 022764
Comparison of isomers of fluorophenylalanine as inhibitors of **ion** *transport* across barley roots. 026901
Transportation **issues** affecting productivity in the food industry. 021592
Efficient utilization of **log** *transport* equipment. 025437
Operational control of **logging** *transport*. 025448
Establishment of some mean conditions for logging at the level of the Forest Unity for **Logging** and *Transport*. 025479
Reserves for the effective use of *transport* **means** in viticulture. 021337
Transport **mechanism** in soil. Metabolism and movement of insecticides from soils into water and crop plants. 030330
Transport **mechanisms** for pesticides in the atmosphere. 029178
Transport **operations** in greenhouses [Mechanization]. 030068
Optimizing *transport* and trans-shipping operations [Logging]. 025450
Genetic regulation of **phosphate** *transport* system II in Neurospora [crassa, fungi]. 026091
Pneumatic *transport* of bark [Wood processing, pulp and paper]. 025452
Effect of soil erosion from basins on the **sediment** *transport* regime in rivers. 030628
Computer programs for **sediment** *transport* documentation and listing. 030942
Transformations of fluxes and forces describing the **simultaneous** *transport* of water and heat in unsaturated porous media. 030389
Physiological aspects of **sperm** *transport* in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. 024046
Regulation of **sugar** *transport* in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV [Rous sarcoma virus]. 024498
Concentration and *transport* of different **sugars** in the lymph of the thoracic duct and in blood of the portal vein in dogs after enteral and parenteral administration. 023388
Transport of **sulfonamides** into caprine [goat] erythrocyte [Veterinary pharmacology]. 024317
A quantitative investigation of **symplasmic** *transport* in Chara corallina. III. An evaluation of chemical and freeze-substituting techniques in determining the in vivo condition of the plasmodesmata [Algae]. 026439
The application of *transport* **systems** in the tree industry. 025289
Establishing typological base of work means and modalities by skidding and *transport* of round **timber,** in the case of some coupes within Forest Enterprise for Logging and Transport Brasov. 025478
A method for the continuous study of net **water** *transport* in the feline small bowel [Cats]. 023179

TRANSPOSITION

Transposition of a **member** of a duplicated region in maize [Genetics]. 026165

TRANSVERSE

Determination of the sum of main stresses on the surface of photoelastimetric layer by measurement of *transversal* **deformation** [Equipment]. 029992
Effects of tire deformation on the **tractor** *transversal* stability. Articulated tractor. 030118

TRAPS

Recapture of virgin female Caribbean fruit flies [Anastrepha suspensa] from *traps* **baited** with males. 028859
Population fluctuations of Oriental tobacco budworm (Heliothis assulta G.) in **black** *light-traps* and field control studies. 028791
Blacklight *traps* to control hickory shuckworm [Laspeyresia caryana] on pecan. 028883
A **Cesium-134** *trap* for isotope use [in entomological research]. 029353
Study of the Paris region entomological fauna in apple treeorchards with the aid of **colored** *traps*. 028822
Soybean looper [Pseudoplusia includens]: populatons in Florida, Georgia, and South Carolina, as determined with Pheromone-baited BL [black **light**] *traps*. 028753
Mosquito collections in El Salvador with ultraviolet and CDC miniature **light** *traps* with and without dry ice. 029051
Influence of trap screen age on collections of tabanids in **Malaise** *traps* [Tabanidae]. 029045
A study to suppress codling moth [Laspeyresia pomonella] (Lepidoptera: Olethreutidae) with sex **pheromone** *traps* [Apple pests]. 028827
Attraction of Scolytus multistriatus to **pheromone-baited** *traps* at different heights [Ulmus]. 028930
Some effects of **pollen** *traps* on colonies of honeybees [Apismellifera]. 029827
Long term can *trapping* for **population** analyses of ground-surface, arid-land arachnids. 029588
Influence of *trap* **screen** age on collections of tabanids in Malaise traps [Tabanidae]. 029045
Grape pest monitoring improved with **sex** *traps* and aerial photography [Insects]. 028891
Snow *trapping* and crop management with tall wheatgrass barriers in Montana [Soil water supplies]. 030710
Performance of a **sticky** *trap* with trimedlure impregnated in the adhesive material [Ceratitis capitata]. 028870

TRASH *see* WASTE

TRAUMA

The "reticular grunt" test for *traumatic* **reticulo-peritonitis** [Cattle]. 024827
Amputation of bovine medial dew claws on hindlegs as an aid in controlling **teat** *trauma*. 024389

TRAVEL *see* TOURISM

TRECHINAE

Beetles—Coleoptera: leaf beetles—Carabidae; subfamilies: **Bembidinae,** *Trechinae*. 029617

TREES

The **American** *Tree* Farm program. 025099
Growth and productivity of representatives of North **American** *tree* flora on the Black Sea coast of the Caucasus. 025709
Ca [calcium]-uptake and -translocation by plants with special regard to **apple** *trees*. 027070
Effects of dormancy factors on the growth of vegetative buds of young **apple** *trees* [Chilling requirements]. 027118
The relationship of Granny Smith **apple** *tree* growth and early cropping to planting density and rectangularity. 027766
Common canker [Nectria galligena] of **apple** *trees*, a very old disease locally in fresh outbreak. 027906
The role of the hyperparasite Cicinnobolus cesatii de By. In suppressing the powdery mildew [Podosphaera leucotricha] of **apple** *trees*. 028030
Growth response to latent virus infection of **apple** *trees* on seedling rootstocks. 028180
Growth, yield, and fruit quality of virus-infected and virus-free Golden Delicious **apple** *trees*. 028181
New evidences of the high sensitivity of Malus dawsoniana to apple proliferation [virus] disease and of its value for testing **apple** *trees*. 028187
Predacious mites (Acarina: Phytoseiidae) on sprayed **apple** *trees* at Bathurst (N.s.w.). 028381
Apple *trees* protected from voles with thiram. 028437
Visual stimuli eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) flies to **[apple]** *trees*. 028841
An attempt to assess the toxicity of pesticide formulations to honeybees [Apis mellifera] foraging on caged **apple** *trees*. 029113
Study of the Andrena carantonica behavior during the blooming of the Golden Delicious **apple** *trees* [Apoidea, pollination]. 029741
Effect of irrigation regimes on trunk and fruit growth rates, quality and yield of **apple** *trees*. 030662
Susceptibility of **apricot** *tree* pruning wounds to infection by Eutypa armeniacae [Cytosporina dieback]. 028062
Suturaspis archangelskayae (Lndgr.) (Homoptera, Diaspidoidea), a biophyte of **ash** *tree* [Fraxinus] in Turkmenistan. 028943
Measuring the world's **biggest** *tree*. II. [Sequoia sempervirens, California]. 025075
Effects of bending and ringing of branches [training method] on flowering and fruiting of ponkan (Citrus reticulata **Blanco**) *trees*. 027143
The flowering biology of Norway spruce [Picea abies]—an obstacle to a rational program for *tree* **breeding?** 027340
Use of atomizers for inducing production of **cacao** *trees*. 027858
Christmas *trees* from coast to coast. 025176
Virginia pine [Pinus virginiana] as a **Christmas** *tree*. 025259
Results of marketing Louisiana-grown **Christmas** *trees* [Pinus, Juniperus virginiana, Cupressus arizonica]. 025460
Plans for a shielded herbicide applicator for **Christmas** *trees* and nursery stock. 030114
Studies on soil improvement materials. I. Effect of phosphate fertilizers, silicic calcium, carbonate percipitated and compost of bark on **citrus** *trees*. 030433
Research results on the *crop-tree* **clonal** test study [Populus euramericana]. 025250
Dimensions of wood fibers and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the *tree* of **clone** I-214 [Populus euramericana]. 025244
An experiment concerning the inventory efficiency of even-aged stands by means of **cluster-samples** with 4, 6, 8 and 10 *trees*. 025160
Test allows early detection of young [orange and grapefruit] *tree* **decline** [Diseases of unknown origin]. 028442
[Forest] *tree* **disease** research. 028367
Competition in marketing **domestic** *tree* nuts. 021605
Trees and **energy** [Wood as fuel]. 025354
New [pneumatic] *tree* **facer** for resin tapping using sulfite-yeast [as stimulator]. 025317
Team-up, pitch-in and speak-out for *tree* **farming.** 025098
Tree **fern** indusia: studies of development and diversity [Cyathea fulva]. 025989
An improved apparatus for pressure-injecting **fluid** into *trees*. 025254
Trees—**food**—energy: human food potential. 022440
Trees—**food**—energy. Proceeding: 27th annual meeting, Forestry Committee, Great Plains Agricultural Council, June 16-19, Lincoln, Nebraska. 025031
The mesquite, a **forage** *tree*, a wealth which should be utilized better [Prosopis juliflora, also a source of wood and gum, Colombia]. 027860
Effects of the **forest** *tree* shelterbelts on the microclimate and agricultural production of the Bala State Farm. 025061
Method of estimating exponent in **[forest** *tree]* volume equation with a single variable. I. Theory of two points extimation based on order statistics. 025108
Field and computer techniques for stem analysis of coniferous **forest** *trees*. 025174
Means of reducing damage to seeds due to mechanical processing **[Forest** *trees].* 025200
Previous results and prospects of interspecific hybridization in **forest** *tree* breeding (review). 025235
Technical progress in the field of resin tapping from **forest** *trees*. 025337
Studies of cytology and growth of different strains of Fomes annosus (Fr.) Cooke. I. Numbers of nuclei and DNA content in different isolation and stages of development **[Forest** *trees].* 027952
Stem witches' broom of fruits and **forest** *trees* [Virus diseases]. 028197
Effect of forest shelterbelts on productivity of **fruit** *trees*. 025041
A new method for treating perennial **fruit** *trees* with chemical mutagens. 026217
Fruiting problems of **fruit** *trees*. 25. [Grapes, strawberries, citrus]. 027101
Growing deciduous **fruit** *trees* in the tropics, a new approach to an old problem. 027604
Fruit *tree* culture research in the Netherlands. 027740
Reproducing **fruit** *trees* by grafting and budding. 027754
Interim report on the first five years of the 1969-1984 cider **fruit** *tree* research. 027836
1974 evaluation of candidate pesticides. Fungicides: **fruit** *trees*. 027995
IXth International Symposium on **Fruit** *Tree* Virus Diseases, East Malling Research Station, Kent, 8-14 July 1973. 028184
A regional analysis of injury to deciduous **fruit** *trees* by the freeze of December, 1972. 028340
Chlorosis of **fruit** *trees*. 028460
Introduction of low-volume spraying [Disease and pest control of **fruit** *trees* and grapes]. 028472
1974 evaluation of candidate pesticides. Insecticides: deciduous **fruit** *trees*. 028877
Recommendation that farms use only healthy planting stock [Aspidiotus perniciosus as pest of **fruit** *trees* and ornamentals, control, Krasnodar Territory]. 028914
A new approach to *tree* **fruit** collection [Limb padding, space-fill, equipment]. 030141
Some data on the **hazel** *tree* [Corylus] in intensive culture. 4. 027712
Formula for describing effect of insect and **host** *tree* [Dendroctonus brevicomis] factors on resistance to western pine beetle [Pinus ponderosa] attack. 028945
The more **important** *tree* varieties of the Vietnam forests. 025691
Tetrazolium staining of seeds for interpretation of viability of six **Indian** *tree* species. 027319
Studies on the frequency distribution of the weight of **individual** *trees* in a forest stand. V. The M-w diagram for various types of forest stands. 025109
The application of transport systems in the *tree* **industry.** 025289
Defense in two pre-social membracids *[Tree* **insects,** biological control] (Homoptera: Membracidae) [Platycotis vittata, Umbonia crassicornis]. 028227
A practical example of tests with species in the Bragantinaregion [lower part of the Amazon area of Brazil) *[Tree* **introduction].** 025177
Preliminary discussion of polymorphism in *trees* which are the **issue** of nucellar embryos of the Tunisian variety of Maltese demi-sanguine oranges. 025971
The controversial **katsura** *tree* [Cercidiphyllum]. 025588
Chemical composition and in vitro nutrient digestibility of some of the *tree* **leaves.** 023037
Rough **lemon** *tree* decline [Phytophthora] peroxidase activity, isoenzymes and respiration rate of the leaves. 027892
Comparison of western spruce budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga **menziesii]** *trees*. 028962
The predominant role of calcium [in the *tree* **metabolism]** as an indicator in storage disorders in Cleopatra apples [Physiological diseases]. 028382
Diseases of **Midwest** *trees*. 028439
System of **mixing** *tree* species in reforestation of ravine-gully lands [Soil erosion control]. 025215
Dendrogram topology: **nomenclature** *[Trees].* 025659
Parasites and pathogens of the Japanese **nut** *tree* giant silkworm [Forest pests, natural control]. 028966

Fruits and *tree* **nuts:** blooming, harvesting, and marketing dates. 027656
Acidic composition of neutral lipids, glucolipids and phospholipids from **olive** *tree* leaves and chloroplasts. II. 027289
Future of **olive** *trees* in Colombia. II. 027831
Olive *trees* in Colombia. 027832
Records of two species of Ectopsocus McLachlan (Psocoptera: Ectopsocidae) from **one** *Tree* Island, Queensland. 029608
The effect of potassium fertilizers on frost resistance of the mandarin **orange** *tree.* 030538
The use of fertilized and unfertilized peats of different origin for rooting cuttings [of **ornamental** *trees* and shrubs]. 027647
Do **ornamental** *trees* and bushes have an economic value? 027801
Explanations and hints for those interested in the culture of **palm** *trees.* 027822
Photosynthesis in relation to growth and distribution of fruit in **peach** *trees.* 027122
Improved performance of **peach** *tree* clone freed from ring spot [virus] by thermotherapy. Study of recontamination in the orchard. 028182
The **pear** *tree* psylla (Psylla piri L.) and possibilities for its control. 027799
Crop reduction in **pear** *trees* caused by virus infection. 028174
Studies on the chlorosis of Japanese **pear** *trees* at old orchards in Kawabara, Tottori Prefecture. 1. Accumulation of copper in the affected orchard soils. 028445
Studies on the chlorosis of Japanese **pear** *trees* at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an upland crop. 028446
Pear *tree* response to drip irrigation on Carney clay soil, second season 1974. 030730
Pecan *tree* [Carya pecan] in Tadzhikistan. 027845
Operation and care of spray equipment for **pecan** *trees.* 030109
Physiological and morphological properties of the Japanese black and red **pine** *trees* (Pinus thunbergii Parl. & Pinus densiflora Sieb. et Zucc.) on the resistance to air pollution. 025014
Utilization of Beauveria tenella (Del.) Siem. For the [biological] control of the eastern may beetle [Melolontha hippocastani, pest of **pine** *trees]* in the Mari Autonomous Soviet Socialist Republic. 028950
Cross-breeding to facilitate the identification of Deladenus spp., nematode parasites of wood-wasps [Sirex noctilio, pest of **pine** *trees,* biological control]. 028951
Tree **planting** trends as indicated by distribution of [forest] species in Great Plains States. 025193
Vegetative disorders in the Japanese **plum** *trees* on myrobalan rootstock in the province of Valencia (Spain) [Apricot chlorotic leaf roll virus]. 028207
Distribution of Rhyacionia neomexicana eggs within ponderosa pine [Pinus **ponderosa**] *trees.* 028919
Appearance of bark cracking and process of healing of the cracks caused by low temperatures on *trees* of **Populus** X euramericana clone I-214. 025062
Debarking chips from whole *trees* [**Populus,** Acer saccharum, Pinus banksiana] in the Lake States. 025534
Economics of *tree* **production** on farms in the Great Plains. 025096
Bark split disease of **prune** *trees* and its association with strains of apple chlorotic leaf spot [virus]. 028172
Pruning *trees* and shrubs. 027731
Picrasins, simaroubolides of Japanese **quassia** *tree* Picrasma quassioides. 026755
Tree **responses** to fertilizer treatments. 030418
The role of *trees* in **river** bank control. 030605
Crystal structure of pachyman triacetate. A preliminary report *[Tree* **root** fungus Poria cocos]. 026418
The death of *trees* at **Shaar-Hagai.** 028368
Hendersonula toruloidea associated with a serious wilt disease of **shade** *trees* [Ficus benghalensis] in the Sudan. 028068
Protecting **shade** *trees* during home construction [Injuries]. 028369
Insecticide recommendations and spray calendar for **shade** *trees* and woody ornamentals. 028834
Birch [Betula] *trees* in **shelterbelt** forestry. 025040
Shredded *tree* bark as a soil conditioner in potato soils of New Brunswick, Canada. 030532
[Forest] *tree* and **shrub** species distribution for Great Plains planting (by states and years, 1970-1974). 025194
Seed scarifying machine [for *tree* and **shrub** planting] operated with superheated steam. 030084
The effect of white-tailed deer and showshoe hare browsing on *trees* and **shrubs** in northern Minnesota [Injuries]. 025060
Fall color from coast to coast *[Trees* and **shrubs].** 027683
Biology, ecology and control of insects of native and introduced [forest] *trees* and **shrubs** on the Great Plains. 028939
Stormflows and erosion after *tree-length* **skidding** on Coastal Plain soils [Logging equipment]. 025527
Host relations and distribution of a physiological and pathological variant of Pseudomonas morsprunorum [**Sweet-cherry** *trees,* leaf spot]. 028131
Water **tolerant** *trees* as bonsai. 027715
Vegetative propagation of **tropical** *tree* crops with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Your *tree's* **trouble** may be you [Injuries]. 028318
Esterified sterol glucoside and methylellagic acids from Aleurites fordii [**tung** *tree]* fruits. 022959
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a new amino acid from seeds of Aleurites fordii [**Tung** *tree].* 026746
Effect of forest insect pests on the structure of *tree* **varieties.** 028934
Some recommendations concerning the **walnut** *tree* [Juglans] in our country. 025234
Trees and **wildlife**—energy aspects for managers. 030901
The role of *trees* [as **windbreaks**] in improving energy utilization by beef cattle [Housing]. 023116
Miyabe maple [Acer miyabei]: a *tree* **worth** knowing more about[Culture]. 027693
An experimental container for quantitative recording of root growth of **young** *trees* under varied conditions in the root region. 025544

TREFLAN
The **herbicides** *Treflan* [trifluralin] and Lasso in winter rape. 028591
Effects of irrigation on the [herbicide] movement of *Treflan* and **Lasso** in containers. 030724

TREFOIL
Flavonoids fom the **birdsfoot** *trefoil* seeds (Lotus corniculatus L.). 026875

TREHALASE
Histochemical localization of *trehalase* **activity** in dorsal flight muscle of the flesh fly Sarcophaga bullata with lightand electron microscopy. 029403
Trehalase **activity** in the silk glands of the silkworm, Bombyx mori (Lepidoptera: Bombycidae). 029777
Properties of a free and solubilized form of *bound-alpha,alpha-trehalase* **purified** from honeybee [Apis mellifera] thorax. 029778

TREMATODA
Second parasitological inquiry in Guadeloupe. 1. *Trematodes* of **aquatic** birds [Ducks, geese]. 024493

TREMELLALES
The collection of fungi in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences. V. Orders Exobasidiales, Aphyllophorales, Tulasnellales, Dacrymycetales, **Auriculariales,** *Tremellales.* 025745

TREMOR
The effect of A *tremorgenic* **mycotoxin** (Penitrem A) on animals. 024960

TREPONEMA
Swine dysentery associated with *Treponema* **hyodysenteriae-like** organisms in Colombia. 024741

TRIALEURODES
Whiteflies *[Trialeurodes* **vaporariorum,** Aleurodes spiraeoides]: their biology and control [Horticultural crops]. 028833
Visual and olfactory responses in orientation to plants by the greenhouse whitefly, *Trialeurodes* **vaporariorum** (Homoptera: Aleyrodidae). 028840
Spectral specific responses in the visual behavior of the greenhouse whitefly, *Trialeurodes* **vaporariorum** (Homoptera: Aleyrodidae). 029336
A comparison of the effectiveness of insecticides against glasshouse **whitefly** *(Trialeurodes* vaporariorum). 028813

TRIALLATE
Triallate **granule** spacing effect on oat. 028623

TRIAZINE
Promotion of sorghum callus growth by the *s-triazine* **herbicides.** 027028
A study of sorption phenomena between **two** *triazine* herbicides and humic acids. 028599

TRIAZOLE
The influence of *3-amino-1,2,4-triazole* **(amitrole)** on the acid-soluble nucleotides and some other phosphorus compounds in oat seedlings. 026909

TRIBAL
From *tribe* to **cooperative:** outline of the evolution of OranHigh Plains. 021306
Amphitecna and Dendrosicus revisited (Bignoniaceae, *tribe* **Crescentieae).** 025830
Comparative morphology of the male genitalia in the subfamily Hydrophilinae (Coleoptera, Hydrophilidae). I. *Tribe* **Hydrophilini.** 029228
New sectional names in Spermacoce and a **new** *tribe* Virectarieae (Rubiaceae). 025734
Monograph of Dynastinae (Coleoptera, Melolonthidae). 4. *Tribe:* **Pentodontini** of the Ethiopian Region. II. [New taxa]. 029566

TRIBOLIUM
Hydrocarbon repellents isolated from *Tribolium* **castaneum** and Tribolium confusum (Coleoptera: Tenebrionidae) [Flour beetles. 028967
Red flour beetle *[Tribolium* **castaneum]:** populaton growth ondiets of corn, wheat, rice or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Hydrocarbon repellents isolated from Tribolium castaneum and *Tribolium* **confusum** (Coleoptera: Tenebrionidae) [Flour beetles. 028967
Contact, residue, and vapor toxicity of new insecticides to stored-product insects. III. *[Tribolium* **confusum,** confused flour beetle, Attagenus piceus, black carpet beetle]. 028987

TRIBUTYL
Investigations of the impregnating behaviour of *tributyl-tin* **oxide** in different wood preservative formulations with the help of an active substance labelled with carbon isotope. 025374

TRICHINA
The use of gamma radiation for killing the *Trichina* **larvae** in nham and pork. 024680

TRICHLOROACETIC
Determination of peptides in fish and fish products. II. Application of a turbidimetric method for the determination of polypeptides in *trichloroacetic* **acid** fish meal extracts. 022521

TRICHLOROETHYLENE
Periodical extraction of furfurol with *trichloroethylene* from **water** solutions [Wood hydrolisis]. 025318

TRICHLOROPHENOXYACETIC
Recent developments in the use of aldrin, dieldrin and 2,4,5-T *[trichlorophenoxyacetic* **acid]** in the USA [Legislation]. 021788
The evaluation of the teratogenic effects of *2,4,5-trichlorophenoxyacetic* **acid** [herbicide] in the rhesus monkey. 029099
Quality of 2,4,5-T *[trichlorophenoxyacetic* **acid]** available in New Zealand. 029157

TRICHLOROPHENYL
Photolysis of benzoic **acid** *2-(2,4,6-trichlorophenyl)hydrazide,* [Nitricide, on citrus leaves; residues]. 029111

TRICHLORPHON
Control of a looper, Lambdina atbasaria atbasaria, on hemlock [Tsuga canadensis] with three chemical insecticides [Carbaryl, *trichlorphon,* **acephate].** 028944

TRICHOCEREUS
Trichocereus and **Helianthocereus** hybrids. 026205

TRICHODERMA
Chemical and structural differences in mycelial and regeneration walls of *Trichoderma* **viride** [Fungi]. 026375
The effect of heat shock on differentiation of germinating conidia of *Trichoderma* **viride** [Fungi]. 026451
Treatment of wounds on Acer rubrum with *Trichoderma* **viride** [caused by fungi and bacteria]. 027954
Interactions of Pythium myriothylum with several fungi in peanut pod rot [Fusarium solani, Macrophomina phaseolina, Rhizoctonia solani, *Trichoderma* **viride].** 028055

TRICHODES
Notes on some species of Cleridae from Lebanon and Turkey, including description of *Trichodes* **sbordonii** n. sp. (Coleoptera). 029593

TRICHOGRAMMA
Taxonomy of the **genus** *Trichogramma.* 029711
Some bionomic dates on the **parasite** *Trichogramma* evanescensWestwood in the eggs of Anagasta kuehniella Zeller [Insect pests, biological control]. 028687

TRICHOLOMA
Bacterial behaviour in the rhizosphere of Pinus densiflora infected by *Tricholoma* **matsutake.** 027318

TRICHOMES
Scanning electron microscopy of *trichomes* of **Cheilanthes** (Sinopteridaceae). 026759

TRICHOMONADIDAE
Occurrence of *Trichomonas* **gallinarum** in the blood of chicken. 024549

TRICHOPHYTON
An epizootic outbreak of ringworm in a guinea-pig colony caused by *Trichophyton* **mentagrophytes** [Fungi]. 024635
Action of Econazol on the fine structure of cells of *Trichophyton* **rubrum** [Fungi]. 026039
Effect of metal ions on *Trichophyton* **rubrum** culture [Fungi]. 026806
Equine ringworm by *Trichophyton* **verrucosum** [of a horse transmitted from cattle]. 024628

TRICHOPLUSIA
Simulation of temperature-dependent development in population dynamics models [Anthonomus grandis, *Trichoplusia* ni, **Heliothis** zea]. 029288
Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper *[Trichoplusia* ni] and **imported** cabbage worm [Pieris rapae] in the greenhouse and field. 028874

TRICHOPTERA
Estimation of saprobity according to the larval and pupal stages of **caddis-flies,** *Trichoptera.* 029367
Ion absorption on chloride epithelia of *caddisfly* **larvae** (Trichoptera) [Glyphotaelius pellucidus]. 029339
Lethal levels of sodium chloride and potassium chloride for an oligochaete, a chironomid midge, and a *caddisfly* [**Nais** variabilis, Cricotopus trifascia, Hydroptila angusata] of Lake Michigan. 029346
New species of *Trichoptera* **[tamalpaisi]** from western North America. 029645
Estimation of saprobity according to the larval and pupal stages of *caddis-flies,* **Trichoptera.** 029367

TRICHOSTRONGYLUS
Skeletal muscle, liver and wool protein synthesis by sheep infected by the **nematode** *trichostrongylus* colubriformis. 024429

TRICUSPIS
Flavones and other compounds of **Boehmeria** *tricuspis* and Boehmeria holosericea. 026734

TRIDENS *see* TRIODIA

TRIFLURALIN
Trifluralin and **atrazine** for weed control in lupin seed crops. 028575
The herbicides Treflan *[trifluralin]* and **Lasso** in winter rape. 028591

TRIFOLIUM
Vernalization as a factor influencing the rate of development in subterranean **clover** *(Trifolium* subterraneum L.) [Cultivars]. 026898
Growth of skeleton weed (Chondrilla juncea L.) as affected by growth of subterranean **clover** *(Trifolium* subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
The selective control of grasses in red **clover** *(Trifolium* pratense) and lucerne (Medicago sativa) crops by carbetamide and propyzamide. 028606
Effect of coumarins on germination and growth of some forage grasses and legumes [Trifolium repens, *Trifolium* **pratense,** Phleum pratense]. 026997

TRIGLYCERIDE
Composition of *triglycerides* from **aphids** of six different families and from different seasonal forms of Aphis evonymi. 029407
Changes in fatty acid and *triglyceride* **compositions** of porcine tissue lipids associated with growth of pigs. 023572
Distribution of fatty acids in *triglycerides* from **Corylus** avellana L. oil seeds. 022978
Effects of **dietary** *triglyceride* on the properties and lipid composition of plasma lipoproteins: acute experiments in rats fed safflower oil. 022151
Application of differential thermal anaysis to peat waxes. 1. Long-chain alcohols, acids, *triglycerides,* and **esters** of stearic acid. 030265

TRIGONELLA
Aneuploids in *Trigonella* **foenum-graecum.** 026130
Leaf variation due to 2, 4-D [(2,4-dichlorophenoxy) acetic acid, herbicides] influence in *Trigonella* **foenum-graecum** L. 028541
On fenugreek **protein** *(Trigonella* foenum graecum [Human nutrition]. 022167

TRIIODOTHYRONINE
The influence of temperature increase, elevation of extracellular H+[hydrogen]-concentration, and of *triiodothyronine* on the **actions** of phenylephrine, histamine,. 023266

TRILLIUM
Structure of a novel type steroid glycoside, 18-norspirostanol oligoglycoside *[Trillium* **kamtschaticum].** 026849

TRIMETHOPRIM
Trimethoprim in the **horse** [Veterinary pharmacology]. 024310
Concentrations of *trimethoprim* and **sulphadoxine** in tissues from goats and a cow. 024293
Trimethoprim and **sulphadoxine** in swine. Half-lives, volume of distribution and tissue concentrations. 024395

TRIMETHYLAMMONIUM
The effect of GA3 [gibberellic acid], Alar and CCC **[2chloroethyl** *trimethylammonium* chloride] on citrus cuttings. 027084

TRIMMING
The effect of various methods of *trimming* on the **yield** of tea-bush plantations of different age on podzolic soils. 027864

TRIODIA
Capillaria *tridens* (Dujardin 1845) Travassos 1915, from wild turkeys (Meleagris gallopavo) in the southeastern United States. 024608

TRIPHENYL
The relationship between the ability to **reduce** *2,3,5-triphenyl* tetrazolium chloride and aroma formation in various strains of sake [rice beer] yeast [Saccharomyces cerevisiae]. 022778

TRIPHOSPHATASE
Studies on ATPase **[adenosine** *triphosphatase]* activity of actomyosin of squid mantle muscle [Fishery products]. 022408
Postnatal decline of (Ca2+ + Mg2+) calcium and magnesium ions]-activated membrane ATPase **[adenosine** *triphosphatase]* in cattle red cells. 023411
Fibrin membrane endowed with biological function. II. Chloroplast **adenosine** *triphosphatase* embedded in fibrin membrane. 026394
Preliminary investigation on the effects of mirex and its derivatives on **adenosine** *triphosphatase* activities from fire ants [Solenopsis richteri]. 029021

TRIPHOSPHATE
Studies on luciferin-luciferase ATP **[adenosine** *triphosphate]* assay in plants (etiolated wheat germs, and bean leaves). 026878
Effect of 2,4-dinitrophenol and ATP **[adenosine** *triphosphate]* on uptake, translocation and distribution of 32P [phosphorus isotope] in cotton plants under different light conditions. 026945
Activity of mitochondrial **adenosine** *triphosphate* enzyme in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et Hansen [Wilt]. 028007
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV [ultraviolet] irradiation, respiration measurements, ATP **[adenosine** *triphosphate]* [adenosine triphosphate] determinations and application of inhibitors. 029507
Research pertaining to determination of ATP **[adenosine** *triphosphate]* in soils and subsurface formations. 030859
Synthesis of guanosine 5'-di- and *-triphosphate* **derivatives** with modified terminal phosphates: effect on ribosome-elongation factor G- dependent reactions [Calf intestines]. 023305
The conversion of **dihydroneopterin** *triphosphate* to sepiapterin by an enzyme from Drosophila melanogaster. 029250
Inactivation of rabbit, pig, and carp adenylate kinases by N6-o- and **p-fluorobenzoyladenosine** *5'-triphosphates.* 023298

TRIPLETS
Inter-and intramolecular effects of tyrosyl residues on **flavin** *triplets* and radicals as investigated by flash photolysis [Flavoproteins]. 022195
Chemically induced dynamic electron polarization in chloroplasts at room temperature: evidence for *triplet* **state** participation in photosynthesis. 026809
Kinetic studies of the **tryptophan** *triplet* state in solid film and in wool keratin. 022697

TRIPLOIDS
Meiotic chromosome pairing in *triploid* **hybrids** of Gossypiumhirsutum L. [Cotton] with wild Australian species. 026103
Triploidy and *haploid-triploid* **mosaicism** among chick embryos (Gallus domesticus). 024059

TRIS *see* TROMETHAMINE

TRISETUM
Causes of calcinosis in cattle kept in the soil-fertilizer-pland-animal system **[Poisonous plants,** *Trisetum* **flavescens].** 024942

TRISTEZA
Role of the *tristeza* **virus** in citrus die-back complex. 028250

TRITERPENES
Steroid and *triterpene* **glycosides** of Crataegus pentagyna. 026498
Triterpene **glycosides** of Acanthophyllum paniculata. II. Structure of paniculatoside C. 026507
Triterpene **glycosides** of Gleditschia triacanthos. VI. The structure of triacanthoside F. 026508
24-methylenedammarenol: a **new** *triterpene* alcohol from shea [Butyrospermum parkii] butter. 022517
Biosynthesis of **ursene-type** *triterpenes* from sodium (1,2-13C [carbon isotope]) acetate in tissue cultures of Isodon japonicus Hara and re-assignments of 13C n.m.r. [Nuclear magnetic resonance] signals in Urs-12-enes. 026463

TRITERPENOIDS
Studies on the constituents of Lyonia ovalifolia Drude var. Eliptica Hand.-Mazz. XX. Structure of *triterpenoid* **glucoside,** lyofolic acid. 4. Correlation of protolyofoligenic. 026656
Mallotin—a new C32 [carbon] *triterpenoid* from **Mallotous** stenanthus. 026747
Terebenthifolic acid and bauerenone: **new** *triterpenoid* ketones from Schinus terebenthifolius. 026766
Carbon-13 NMR [nuclear magnetic resonance] spectra of some **polycyclic** *triterpenoids* [Actea racemosa]. 026844
Triterpenoids of the **roots** of Glycyrrhiza uralensis. 026509

TRITICALE
Accumulation of stored nutrients in the grains of **hexaploid** *triticale.* 026137
Triticale - **new** miracle grain revitalizes cereal products. 022342
Protein evaluation of *triticale* **varieties** [as feed] for weanling pigs. 023898

TRITICUM
Genetic analysis of time to ear emergence in hexaploid wheat, *Triticum* **aestivum,** using intervarietal chromosome substitution lines. 026122
Meiotic pairing between single chromosomes of diploid Agropyron elongatum and decaploid Agropyron elongatum in *Triticum* **aestivum** [Wheat]. 026124
The genic basis for differences in sedimentation value and protein content between two cultivars of *Triticum* **aestivum** [Wheat]. 026126
Restoring of pollen fertility in male-sterile lines of wheat (timopheevi) *Triticum* **aestivum** L. 026169
Endosperm abnormalities in *Triticum-Secale* **combinations.** I. X Triticosecale and its parental species. 026108
Endosperm abnormalities in *Triticum-Secale* **combinations.** II. Addition and substitution lines. 026109
The cytotoxic action of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on roots of *Triticum* **durum** Desf. [Wheat]. 028341
Observations of additional divisions in pollen grains of homozygous wheat **plants** *(Triticum* aestivum L.) obtained by androgenesis in vitro. 026920
Mitotic cycles in *Triticum* **[wheat]** species. 026008
New results on anther culture of **wheat** *(triticum* aestivum L.) in vitro: conditions of regeneration of haploid plantletsand production of homozygous lines. 026919
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of winter **wheat** *Triticum* aestivum). 030570

TRITIUM
Present recharging demonstration by *tritium* of **free** groundwaters in the dry area of the sahara (Algeria). 030666
Influence of hydroxyurea on nucleic acids content and 3H *[tritium]-uridine* **incorporation** in callus and tumorous tobaccotissues and cultured in vitro. 028699
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with *tritium* **labeled** uredospores of Uromyces phaseoli. 027908
Measurement of milk consumption in young ruminants [lambs and calves] using *tritiated* **water.** 023829

TROGODERMA
Qualitative carbohydrate requirements of the larve of *Trogoderma* **granarium** Everts. 029341

TROMBIDIFORMES
Parasitic mites of Surinam. XXIV. Mites of the genus Eudusbabekia (Myobiidae: *Trombidiformes)* of **phyllostomid** and desmodontid bats, with a key to known species [New taxa]. 029527

TROMETHAMINE
The inhibiting effect of *tris* **(1-aziridinyl)** phosphine sulphide (Thiotepa) [chemosterilant] on the reproduction of Blattella germanica L.). 028997
The sterilizing effect of *tris* **(1—aziridinyl)** phosphine sulphide (Thiotepa) [chemosterilant] on the species musca domestica L., depending on age. 028998
Effects of in-vitro treatment of boar spermatozoa with TEPA *[tris(1-aziridinyl)phosphine* **oxide]** on the fertilization and development of pig eggs. 024118
Livability of albino and normal bull spermatozoa at 5 degrees Centigrade in citrate, milk and *tris* **yolk** extenders. 024252

TROPHIC
The effect of **higher** *trophic* level components in an aquatic ecosystem model [Pollution]. 030861

TROPICAL
A new Panelus [rhodesiensis] (Coleoptera, Scarabaeidae) from *tropical* **Africa.** 029670
Some aspects of reproduction in the reddish brown goats of Maradi. Comparison with other tropical or *sub-tropical* **breeds.** 024151
Influence of water stress on water relations and growth of a *tropical* (C4 **[carbon])** grass, Panicum maximum var. trichoglume. 026902
Some aspects of the influence of *tropical* **climates** on swine exploitations: Cooling system. 023147
The planning and construction of veterinary investigation laboratories in tropical and *subtropical* **countries.** II. Interior laboratory planning with provision for flexibility. 024373
Perspectives in the hormone physiology of *tropical* **crops.** Responses to water stress. 026315
Studies in the Rubiaceae—Rubioideae for the Flora of *Tropical* **East** Africa. I. [New taxa]. 025737
Relationships between distribution and evolution in some **heterogathmic** *tropical* groups [Plants]. 025625
The effects of plant population, irrigation frequency and cultivars on yield and canning qualities of tomato fruits grown under **hot** *tropical* conditions. 027640
Natural mulch or chemical conditioner for reducing soil erosion in **humid** *tropical* **areas.** 030616

Leaf-feeding resistance to the European corn borer [Ostrinia nubilalis] in genotypes of *tropical* **(low-DIMBOA)** [2,4-dihydroxy-7-methoxy (2H)-benzoxazin-3 (4H)-one] and U.s. inbred (high-DIMBOA) maize. 028751
Treefalls and patterns of understory species in a wet **lowland** *tropical* forest. 025896
Two **new** *neotropical* Stenolemus (Reduviidae: Emesinae) [from Bolivia and Haiti]. 029662
Contribution to the study of *Neotropical* **Pachydemini** (Coleoptera, Scarabaeidae, Melolonthinae) [New taxa]. 029564
The effect of plant structure on the intake of *tropical* **pasture.** III. Influence of fertilizer nitrogen on the size of bite harvested by jersey cows grazing Setaria anceps cv. Kazungula swards. 023698
Potential new systems for **perennial** *tropical* fruit crops. 027624
Structure and climate in *tropical* **rain** forest. 025864
Artificial interspecific hybridization in temperate and *tropical* **species** of Ruellia (Acanthaceae). 026098
The use of progestogens in cattle under *tropical* or **subtropical** conditions. 024005
Some aspects of reproduction in the reddish brown goats of Maradi. Comparison with other *tropical* or **sub-tropical** breeds. 024151
The planning and construction of veterinary investigation laboratories in *tropical* and **subtropical** countries. II. Interior laboratory planning with provision for flexibility. 024373
The greenhouses [for *tropical* and **subtropical** plants] at Talbot manor [England]. 027770
Vegetative propagation of *tropical* **tree** crops with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Studies on the high-yield pulping of *tropical* **woods.** I. On the neutral sulfite semi chemical pulping. 025271
Anatomical characters and identification of *tropical* **woods.** I. Elaeocarpus and Sloanea (Elaeocarpaceae). 025272

TROPICS
Effect of weathering and parent materials on clay mineralisation: red ferruginous soils of **humid** *tropics.* 030308
Papua New Guinea: an example of conservation opportunity in the **humid** *tropics.* 030965
Growing deciduous fruit trees in the *tropics,* a **new** approach to an old problem. 027604
Palm kernel meal as the major protein concentrate in the diets of **pigs** in the *tropics.* 023778
Some thoughts on increasing agricultural **production** in the *tropics.* 021762
Status and use of native **ruminants** in the *tropics.* 023163
The ecology of Eupatorium odoratum L. II. Physiological studies of Eupatorium odoratum from the new and old **world** *tropics.* 025907

TROPINE
Competitive feeding experiments with *tropine* in **Datura** [meteloides]. 026728

TROPOLONE
Secondary metabolites of Penicillium stipitatum Thom. [Fungi]. I. Substances of *tropolone* **character.** 026417

TROTTER
Studies on the genetics of *trotting* **performance** in Dutch trotters. I. The heritability of trotting performance [Horses]. 024020

TROUGHS
Small devices make self drinking perfect [Cattle **drinking** *troughs].* 029928

TROUT *see* FISH

TRUCKS
Responsibilities of *truck* **farmers** [Vegetables, culture]. 027787
The Pottinger **harvesting** *truck.* 030051
Can the short cut **loading** *truck* replace the field chopper? 030024
The New Holland 1000 bale **loading** *truck.* 030049
Study of vertical dynamics of the MAZ-509 plus TMZ-803 **logging** *truck-trailer* trains. 025412
Automatic sample taking equipment for bacterial [contamination] count in milk **tank** *trucks.* 021866
Tank *trucks* for fluid manure. 030037

TRUNCATION
Selection with *truncation* in **autotetraploids** comparison with diploids [Forage plants]. 026305

TRUNK
Effect of irrigation regimes on *trunk* and **fruit** growth rates, quality and yield of apple trees. 030662
Volumetric tables of *trunks* for **pine** stands in the Briansk Forest Massif. 025107

TRYPANOSOMA
Pathology of **chronic** *Trypanosoma* brucei infection in the rabbit. 024803
The predominance of *Trypanosoma* **vivax** infections of cattle at a distance from savannah tsetse [Glossina] concentration. 024742

TRYPANOSOMES
The experimental cyclical transmission of certain African **pathogenic** *trypanosomes.* 024643

TRYPANOSOMIASIS
Controlling **bovine** *trypanosomiasis.* The disease spread by tsetse [Glossina]. 024785
Observations on a herd of beef cattle maintained in a tsetse [Glossina] area. I. Assessment of chemotherapy as a methodfor the **control** of *trypanosomiasis.* 024739

TRYPSIN
The refined crystal structure of **bovine** *beta-trypsin* at 1-8 A [Angstrom] resolution. I. Crystallization, data colection and application of Patterson search techniques. 023534
The refined crystal structure of **bovine** *beta-trypsin* at 1-8 A [Angstrom] resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH [hydrogen-ion concentration] 7-0. 023535
A light and electron microscopic study of the embryonic chick otocyst. The effects of *trypsin* and Ca **[calcium]**- and Mg [magnesium]- free salt solution. 023383
The *trypsin* and **chymotrypsin** inhibitors in chick peas (Cicer arietinum L.). Purification and properties of the inhibitors. 027172
Pattern of activity of a *trypsin-like* **enzyme** during malting. 022399
The mechanism of evagination of imaginal discs of Drosophila melanogaster. II. Studies on *trypsin-accelerated* **evagination.** 029508
Fowl *trypsin* and chymotrypsin. 023369
Refolding of reduced, denatured [bovine] trypsinogen and *trypsin* **immobilized** on agarose beads. 023486
Interaction of trypsin with *trypsin* **inhibitor** from cow colostrum [Cattle, biochemistry]. 023309
Changes in *trypsin* **inhibitory** activity in soybean varieties during maturation and germination. 021921
Plaque assay and primary isolation of influenza A viruses in an established line of canine kidney cells (MDCK) in the **presence** of *trypsin.* 024786
Isolation, purification and characterization of a *trypsin-like* **protease** from the root-knot nematode, Meloidogyne incognita. 028404
Studies on the biological evaluation of guar (Cyamopsistetragonoloba). I. Effects of *trypsin* **supplementation** on the nutritive value of guar. 022111
Interaction of *trypsin* with **trypsin** inhibitor from cow colostrum [Cattle, biochemistry]. 023309

TRYPTAMINE
Atypical *tryptamine* receptors in sheep pulmonary vein. 023321

TRYPTOPHAN
Important role of *tryptophan* on **albumin** synthesis in patients suffering from anorexia nervosa and hypoalbuminemia. 022002
Rapid determination of *tryptophan* in **beans** (Phaseolus vulgaris) [maize and wheat] by the acid ninhydrin method. 022920
Preliminary studies on fermentative production of *tryptophan* **[Candida** arborea, yeasts]. 026328
A spectrofluorimetric assay of the *tryptophan* **content** of feedstuffs. 023048
Tryptophan and **indole-3-acetic** acid metabolism by Rhizobiummeliloti [Root nodule bacteria]. 030270
Tryptophan **metabolism** of Phycomyces blakesleeanus. I. Elucidation of the pathway of indoleacetic acid biosynthesis [Fungi]. 026413
Tryptophan **metabolism** of Phycomyces blakesleeanus [Fungi]. II. The biosynthesis of nicotinic acid. 026414
Kinetic studies of the *tryptophan* **triplet** state in solid film and in wool keratin. 022697

TSETSE
Better chances in controlling sleeping sickness: radiation sterilization of *tsetse* **flies** [Glossina]. 029074
Ultrastructure of the perismpathetic organs of the *tsetse* **fly** Glossina fuscipes quanzenis (Muscidae). 029279
Genetic variation in some enzyme systems in the *tsetse* **fly** Glossina morsitans. 029333
Observations on a herd of beef cattle maintained in a *tsetse* **[Glossina]** area. I. Assessment of chemotherapy as a methodfor the control of trypanosomiasis. 024739
Controlling bovine trypanosomiasis. The disease spread by *tsetse* **[Glossina].** 024785
The predominance of Trypanosoma vivax infections of cattle at a distance from **savannah** *tsetse* [Glossina] concentration. 024742

TSUGA
Control of a looper, Lambdina atbasaria atbasaria, on hemlock *[Tsuga* **canadensis]** with three chemical insecticides [Carbaryl, trichlorphon, acephate]. 028944
Sexual reproduction of mountain **hemlock** *(Tsuga* mertensiana). 025181
The influence of wood and fiber properties on kraft converting-paper quality *[Tsuga* **heterophylla].** 025512
A new tissue essential to necrophylactic periderm formation in the bark of four conifers [Abies, *Tsuga* **heterophylla,** Thuja plicata]. 025974
Field and laboratory techniques for evaluating hemlock sawfly [Neodiprion tsugae] **infestations** *[Tsuga].* 028961

TUBE
Unusual cytoplasmic inclusion body in **neural** *tube* cells of rat early embryo: a phagocytotic vesicle? 023244
Development of pollen grain and the formation of spermocells in **pollen** *tubes* of Delphinium camptocarpum Fisch. et Mey. 026614
Calcium accumulatons within the growing tips of **pollen** *tubes* [Lilium longiflorum]. 027192
Filament formation in vitro of a **sieve** *tube* protein from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. 027276
The cleaning of *tubular* **ultrafiltration** membranes [of whey]. 022576
Reducing losses of pressure in feed transporting in **vibrating** *tubes.* 030162

TUBER
A study in the prefermentation process to increase the yield of steroidal diosgenin and the multipurpose usage of starch from the *tubers* of **Dioscorea** zingiberensis [Yams]. 022886
Comparative study of the chemical constituents of edible and saponin bearing **Dioscorea** *tubers.* 027180
Effect of method [split application] and levels of potassium on *tuber* **efficiency** and rate of bulking in potato varieties. 030452
Intracellular localization and some properties of two aldehyde oxidase isoenzymes (EC 1.2.3.1) in **potato** *tubers* (Solanum tuberosum). 027128
The p-coumaryl CoA ligase of **potato** *tubers.* 027255
Symptoms of Rhizoctonia disease in **[potato]** *tubers.* 027999
Laboratory testing for the resistance of **potato** *tubers* to gangrene (Phoma exigua var. foveata). 028047
Resistance of **potato** *tubers* during storage to Pectobacterium phytophthorum. 028141
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] fertilizer on yield, *tuber* **size** and N, P and K contents of three potato varieties. 030478
Piperonyl butoxide, a potent inhibitor of potato **spindle** *tuber* viroid in Scopolia sinensis. 028228
Comparative studies of two viroids: analysis of potato **spindle** *tuber* and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279
The size of [potato] *tubers* and their **yield.** 027790

TUBERCULINS
Studies on the improvement of **bovine** *tuberculin.* 1. Sensitivity and specificity of PPD's prepared from low-heated culture filtrate and cytoplasm of Mycobacterium bovis. 024696
Studies in *tuberculin* **sensitivity** in livestock in Ceylon. V. Patterns of sensitivity in pigs. 024500

TUBERCULOSIS
Incidence of tuberculosis in swine **[Mycobacterium** *tuberculosis,* Mycobacterium bovis]. 024563

TUBERIZATION
Hormonal regulation of *tuberization* in **Dahlia.** 027078

TUBERWORM *see* POTATOES

TUBULES
Interaction of vinblastine with calf **brain** *microtubule* protein. 023482
Plastid development in a virescens barley mutant and **chloroplast** *microtubules.* 026112
Microtubular **complexes** in blue-green algae [Nostoc sphaericum]. 026820
The role of **cytoplasmic** *microtubules* in fungi. 026013
Temperature dependence of anaphase chromosome velocity and *microtubule* **depolymerization** [Tilia americana]. 027324
Effect of parathyroid hormone secretion on sodium reabsorption by the **proximal** *tubule* [Dogs]. 023205
In vitro culture of the **proximal** *tubule* of the bovine nephron. Transmission and scanning electron microscopy. 023359

TUFTED
New 1974 varieties: **Valaska** *tufted* red fescue [Festuca rubra, yields]. 027549

TULIP
The effects on growth and flowering of the chemical growth regulators ethephon on Narcissus and **ancymidol** on *tulip.* 027086
The occurrence of Fusarium oxysporum in soils, and on Narcissus and *tulip* **[Basal** rot]. 027883
Criteria for early selection in *tulip* **breeding.** 026072
The influence of the choice of planting material on *tulip* **bulb** production. 027643
Nitrogen fertilization in *tulip* **bulb** production in Japan. 030402
Carbohydrate changes in *tulip* **bulbs** during storage and forcing. 027071
Dormancy of seeds as compared with dormancy of **bulbs** in *tulips.* 027073
The effect of cold treatment on protein patterns and enzymes in *tulip* **bulbs.** 027082
The effect of storage temperature on carbohydrate interconversion in *tulip* **bulbs.** 027085
Effect of time of digging on incidence of Fusarium [basal] rot in *tulip* **bulbs.** 027877
Cold requirements of *tulips* for **earliest** flowering. 027072

Control of Pythium root rot in **five-degree** *tulips* in the Netherlands and the United Kingdom. 027876
Studies on the possibility of delaying **flowering** of *tulip*. 027081
The influence of storage temperature and 2-chloroethylphosphonic acid (ethephon) on shoot elongation and **flowering** in *tulips*. 027091
Optimum temperature and duration of low-temperature treatment for **forcing** *tulips*. 027619
Tulip **forcing:** model and reality. 027651
Extractability of gibberellin-like substances from *tulips* **grown** at two temperatures in either the light or dark. 027074
Photographic review of the developmental stages of flower formation in *tulips*, **irises** and lilies. 025932
Peat as a forcing **medium** for *tulips*. 027621
Flower-bud blasting in *tulips* [due to **storage** and greenhouse conditions]. 028302
Mulching experiments in *tulips*, 1964-1971. 030581

TULIPAE
The magnificent quick-change artist *[Tulipa*, **history,** culture]. 027834
Ethylene disorders in bulbous crops *[Tulipa]* during **storageand** glasshouse cultivation. 028301

TUMOR
Aortic **body** *tumor* in a dog. 024847
Promotion of DNA renaturation by a non-DNA factor in [tobacco] crown **gall** *tumor* DNA preparations [Agrobacterium tumefaciens]. 028134
Auxin: its role in **genetic** *tumor* induction [in Nicotiana suaveolens X Nicotiana langsdorffii]. 026231
Tissue-steroid interactions in canine **hormone-dependent** *tumours* [Dogs]. 024918
Observations on "late onset disease" and *tumor* **incidence** in different strains of laboratory mice infected congenitally with LCM [lymphocytic choriomeningitis] virus. I. Experiments with random-bred NMRI mice. 024801
Observations on "late onset disease" and *tumor* **incidence** in different strains of laboratory mice infected congenitally with LCM [lymphocyte choriomeningitis] virus. II. Experiments with inbred CBA/J mice. 024802
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of *tumor* **induction.** 024867
Crown-gall [Agrobacterium tumefaciens] on castor bean leaves. V. Effect of light and chlorophyll content on *tumour* **initiation.** 028130
Viral etiology of **mammary** *tumours*. 024684
Induction of **melanotic** *tumors* in larvae of Drosophila affinis parasitized by the wasp, Pseudeucoila bochei. 029425
Homoeotic effect of the *tumorous-head* **mutant** and differential effect of an enhancer gene in the tumorous-head strain of Drosophila melanogaster. 029292
Demonstration of gap junctions by lanthanum in the vitamin A acid-treated **skin** *tumor*, Keratoacanthoma [Rabbits]. 024838
Homoeotic effect of the tumorous-head mutant and differential effect of an enhancer gene in the *tumorous-head* **strain** of Drosophila melanogaster. 029292
The morphology of spontaneous pulmonary adenomatosis in sheep. I. Histological findings on the *tumour* **stroma.** 024936
Influence of hydroxyurea on nucleic acids content and 3H [tritium]-uridine incorporation in callus and *tumorous* **tobaccotissues** and cultured in vitro. 028699

TUNDRA
Macromycetes [Fungi] of bushy and **ericaceous** *tundra* in the valleys of Great and Small Vud"iavrs Lakes in the Khibiny Mountains. 025744

TUNG
Esterified sterol glucoside and methylellagic acids from Aleurites fordii *[tung* **tree]** fruits. 022959
L-3-carboxy-1,2,3,4-tetrahydro-beta-carboline, a new amino acid from seeds of Aleurites fordii *[Tung* **tree].** 026746

TUNICA
The Blufflands: Pleistocene pathway into the *Tunica* **Hills** [Paleobotany]. 025587

TUNNELING
Surface flammability of fireproofing plywood in the **8-foot** *tunnel* furnace. 3. 021932
The study of covering date by **vinyl** *tunnel* for strawberry. 027825

TURBIDIMETRIC
Determination of peptides in fish and fish products. II. Application of a *turbidimetric* **method** for the determination of polypeptides in trichloroacetic acid fish meal extracts. 022521

TURBINATA *see* MOLLUSKS

TURBINE
Contribution to the study of the influence of *turbine* **cleanliness** on the properties of cotton open-end spun yarns. 2. 022769

TURCICA *see* MOLLUSKS

TURF
What is happening to our bermudagrass [Cynodon dactylon]. 2. A new concern with the hybrids *[Turf* **diseases].** 028452
Minimal herbicide treatments on the **establishment** of four *turfgrasses*. 028489
Spotted response of overseeded ryegrass [Lolium perenne] tosulfur-coated urea *[Turfgrasses,* **fertilizers].** 027105
Procedure for evaluating the biological degradation of *turfgrass* **thatch** [Festuca rubra]. 027104

TURKEY
Hemorrhagic enteritis of *turkeys*. **Antiserum**—efficacy, preparation, and use. 024438
Eating quality and thiamin retention of *turkey* **breast** muscle roasted and "slow-cooked" from frozen and thawed states. 022101
The effect of intermittent lighting programmes on the production of market **chickens** and *turkeys*. 023675
Christmas *turkeys*—efficiency the key to profit. 021243
Turkey **cuts** cotton acres, production sharply. 021563
Notes on some species of Cleridae from Lebanon and *Turkey*, including **description** of Trichodes sbordonii n. sp. (Coleoptera). 029593
Turkey **expanding,** updating cotton spinning sector. 021726
Some Diplopoda from *Turkey* **[New** taxa]. 029684
The relative importance of monoamine oxidase and catechol-O-methyl transferase on the physiologic response to administered **norepinephrine** in the *turkey*. 023382
Prices and price spreads for *turkeys* in **November** and December. 021610
Auxometric investigations on the *Turkey* **oak** [Quercus cerris] of the Gargano [Forest mensuration]. 025103
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the western **part** of *Turkey*. 028893
Karyological study of some Pinguicula of Greece and *Turkey*, **particularly** the Pinguicula hirtiflora Ten. complex [Cytotaxonomy]. 025611
The susceptibility of young chickens, ducks, and *turkeys* to the **photosensitizing** effect of Ammi visnaga seeds. 024821
Adenovirus respiratory infection in *turkey* **poults.** 024435
Blood glucose and tissue glycogen levels in *turkey* **poults** with spontaneous round heart disease and furazolidone-induced cardiomyopathy. 024818
Capillaria tridens (Dujardin 1845) Travassos 1915, from **wild** *turkeys* (Meleagris gallopavo) in the southeastern United States. 024608
Amino acid requirements of the **young** *turkey:* leucine, isoleucine and valine. 023711

TURNIPS
Effect of strong shock waves on dicotyledon seeds *[Turnip,* **Anethum** graveolens, cucumber, radishes]. 027166
Proton magnetic resonance studies of peroxidases from *turnip* and **horseradish.** 027139
Rearing *turnip* moth [Agrotis segetum] on a synthetic medium. 028913
Annotated bibliography on the storage of root vegetables (beetroot, parsnips, radishes, swedes, *turnips),* 1968-1974. 022963
Turnip **yellow** mosaic virus-RNA replication in Chinese cabbage. 028247

TURPENTINE
Use of a laboratory automatic instrument for determining the fractional **composition** of *turpentine*. 025353
Effect of double stimulation in the receiver-less method of extraction of **native** *turpentine*. 025305
Isomerization of **resin** *turpentine* without pinene on a titanium catalyzer in the liquid phase. 025310
Scheme of a system for the production of strengthened glue with continuous **topping** of *turpentine*. 025327

TURTLES
Seasonal variation of *turtle* **grass,** Thalassia testudinum Konig, with reference to temperature and salinity effects. 026374

TUSSILAGO
Tussilago **farfara** L.—a plant relatively resistant to industrial air pollution. 026338

TUSSOCK
Evaluating damage caused to a campground by **Douglas-fir** *tussock* moth [Orgyia pseudotsugata, Abies concolor]. 028960
Annual report of the *Tussock* **Grasslands** and Mountain Lands Institute for the year 1973/74. 027502
Studies of a climosequence of soils in *tussock* **grasslands.** 3. Nitrogen mineralisation and protease activity. 030267
Studies on a climosequence of soils in *tussock* **grasslands.** 4. Respiratory activities and their relationships with temperature, moisture, and soil properties. 030268
Macro-element and trace element nutrition of sheep **grazing** *tussock* grassland. 022709
Legume establishment on low fertility **semi-arid** *tussock* grasslands. 027460

TWIGS
Sampling dormant **apple** *twigs* to estimate the density of eggs of the European red mite [Panonychus ulmi]. 028852

TWINS
Performance of cows and their calves reared as **singles** or *twins*. 023149

TYLOSIN
Synergistic action of *tylosin* and **oxytetracycline** against bovine Pasteurella isolates [Cattle]. 024783
The application of the combination of *tylosin* and **sulphadimidine** in swine herds. III. Testing under field conditions. 024382

TYPHA
Population variation and introgression in north **american** *Typha*. 025925

TYROPHAGUS
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme-inducing and insecticidal effects [Mice, Elasmolomus sordidus, Plodia interpunctella, *Tyrophagus* **putrescentiae].** 028683

TYROSINASE *see* PHENOLASES

TYROSYL
Inter-and intramolecular effects of *tyrosyl* **residues** on flavin triplets and radicals as investigated by flash photolysis [Flavoproteins]. 022195

TYTTHUS
Transportation and culture of *Tytthus* **mundulus** [egg predator of the sugarcane leafhopper, Perkinsiella saccharicida in Australia]. 028756

UDDERS
Contribution to the treatment of *udder* **lesions** and teat wounds in cattle with Actihaemyl. 024994
Clinical signs of the *udders* of **sows** and some characteristics of their secretions [Irregular teats]. 024937

ULEX
A screening technique for evaluation of brushweed *[Ulex* **europaeus,** Cytisus scoparius, Lupinus arboreus] herbicides. 028545
Some aspects of absorption, translocation and metabolism of 14C [carbon isotope]-picloram in gorse *[Ulex* **europaeus].** 028569
The effect of soil moisture on the uptake of herbicide by gorse *[Ulex* **europaeus].** 028573
Soil residues of picloram applied aerially to New Zealand brushweeds *[Ulex* **europaeus,** Leptospermum scoparium]. 029159
Movement of herbicide effects within gorse *[Ulex]* **plants.** 028559

ULMUS
Penetration of oil-borne [wood] preservative in American elm *[Ulmus* **americana].** 025477
Low-temperature-induced cankers and burls [injuries] in test conifers and hardwoods [Pinus, Malus, Tilia **cordata,** *Ulmus].* 025018
Attraction of Scolytus multistriatus to pheromone-baited traps at different **heights** *[Ulmus].* 028930

ULNA
The radius and *ulna* **[Dogs,** radiography]. 024313

ULTRAFILTRATION *see* FILTRATION

ULTRASONICS
Ultrasonic **double** technique as a diagnostic aid in veterinary gynecology and obstetrics with special regard to new techniques and its resulting range of utilization in clinic and practice. 024231
An **exploratory** *ultrasonic* study on quantitative foetal kinesis in the horse. 023247

ULTRASTRUCTURE
Ultrastructure of **Agaricus** sylvicola and Agaricus bisporus [musroom] cell membrane evolution during fruit body development. 025973
The zoospore of Rozella **allomycis:** *ultrastructure*. 025987
The zoospore of Rozella **allomycis:** *ultrastructure*. 025988
Ultrastructural **alterations** observed in isolated apple leaf cuticles. 025990
Ultrastructural **aspects** of experimental swinepox with special reference to inclusion bodies. 024428
Ultrastructural **aspects** of spermatogenesis in Cutleria adspersa (Phaeophyceae, Cutleriales [Algae]) from the French Mediterranean coast. 025972
Ultrastructure of a **blue** green alga: Pseudanabaena galeata, Bocher. 026051
The effect of cervical vagotomy (decentralization) on the *ultrastructure* of the **carotid** body of the duck, Anas platyrhynchos. 023365

Ultrastructural **changes** in host-parasite interface of chrysanthemum rust [Puccinia horiana] treated with oxycarboxin. 027985
Ultrastructural **changes** in pepper cells in interactions with Phytophthora capsici (isolate 18) and Monilinia fructicola. 028063
Ultrastructural **characteristics** of embryo cellular walls obtained from protoplasts of Antirrhinum majus. 026065
Ultrastructure and **chemistry** of Epidermophyton floccosum cell walls [Pathogenic fungi]. 026015
Investigations on plastome mutants in Oenothera. III. **Comparative** *ultrastructural* characterization of the mutants. 025949
An *ultrastructural* **comparison** of Podosordaria leporina and Poronia oedipus (Ascomycetes). 025976
Ultrastructure, **composition,** and biogenesis of the encapsulation material surrounding the endophyte in Alnus crispa var. Mollis root nodules. 025992
Ultrastructure of the **cuticular** membranes of the developing wheat grain. 025993
Ultrastructure of the **dormant** Agaricus bisporus spore [Mushrooms]. 025994
Ultrastructural and **electron** cytochemical studies of Entomophthora coronara [Fungi]. 025943
Ultrastructure of the **endosperm** of Echinocystis lobata (Cucurbitaceae) at the cellular stage. 025929
First *ultrastructural* observation on the haustorial micropylar cells of Plantago lanceolata. 025968
Ultrastructure of **Gurleya** chironomi n. Sp., microsporidan parasite of the genus Orthocladius (Diptera, Chironomidae). 029486
Correlation between *ultrastructure* and **histochemistry** of mammalian intrafusal muscle fibres [Cats, rabbits, rats]. 023548
Ultrastructure of **hymenial** cells in two Boletes [Tylopilus felleus, Suillus americanus, fungi]. 026040
Ultrastructure of the **larval** firefly light organ as related to control of light emission [Photuris pennsylvanica]. 029295
Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An *ultrastructural* and **light** microscopical study of zygotes and rhizoids. 026060
Comparison of *ultrastructural* **localization** of acid phosphatasic activity in Allium cepa L. (Liliaceae) [onions] radicles, developed at low temperature (0 to +4 degrees Centigrade) and in others, warmed again to 22 degrees Centigrade. 027224
Ultrastructure of **Malameba** locustae (K. & T.), a protozoan parasite of locusts. 029201
Comparison of post mortem changes in *ultrastructure* of the **masseter** and longissimus dorsi muscle of pits yielding pale, soft exudative meat. 021840
Ultrastructure of **membrane-complex** systems in [the cultivated mushroom] Agaricus bisporus. 026014
Mitochondrial *ultrastructure* and respiration in the spadix of Arum maculatum L. during development. 026702
Ultrastructural **observations** of amorphous bone mineral in avian bone [Chickens, pigeons]. 023354
Ultrastructural **observations** on septal and merosporangial ontogeny in Linderina pennispora (Kickxellales; Zygomycetes). 025991
Ultrastructural **organization** of cystidia in the Basidiomycete Agrocybe praecox [Fungi]. 026027
Ultrastructure of the **perismpathetic** organs of the tsetse fly Glossina fuscipes quanzenis (Muscidae). 029279
Ultrastructure of the **pigmentary** system and chromatophorotropic activity in land isopods. 029254
Chlorophyll content and **plastid** *ultrastructure* in leaflets of Metasequoia glyptostroboides. 026054
Ultrastructure of **Rhizobia** in pure culture and symbiosis [Alfalfa and clover]. 026964
Ultrastructure of the **sporangiospore** of Piptocephalis unispora (Mucorales) [Fungi]. 025945
Ultrastructural **studies** of bovine paratuberculosis (Johne'sdisease) [Mycobacterium paratuberculosis]. 024784
Ultrastructural **studies** of plastids in leaves of Fraxinus excelsior L. var. aurea (Willd.). 026033
Ultrastructural **studies** on neuromuscular contacts and the formation of junctions in the flight muscle of Antheraea polyphemus (Lepidoptera). II. Changes after motor nerve section. 029294
Luteolysis induced by prostaglandin F2alpha compared with natural luteolysis in the ewe. An *ultrastructural* **study.** 023991
An *ultrastructural* **study** of pyrenoids in Leptosiropsis torulosa [Algae]. 025804
Ultrastructural **study** of [kohlrabi and barley] chloroplasts isolated by various fractionation methods. 025935
An *ultrastructural* **study** of 'phialospore' formation in Fusarium culmorum grown in continuous culture [Fungi]. 025975
Ultrastructural **study** of the wall of Polysiphonia elongata (Harv.) [Algae] Rhodophyceae, Floridea, with the help of actions of enzymes. 026032
Ultrastructural **study** of asci: wall, apical apparatus, ascospore wall in inoperculate Discomycetes and Hysteriales [Fungi]. 026041
Ultrastructural **study** of the host-parasite interactions. I. The Heterosporium gracile of the Iris. 027924
Investigations on plastome mutants in Oenothera. II. *Ultrastructural* **survey.** 025948

ULTRAVIOLET
Flavonoid localization in epidermal papillae of flower petals: a specialized adaptation for *ultraviolet* **absorption.** 026831
Modifying action of thymidine on *ultraviolet-irradiated* **Anascystis** nidulans cells [Algae]. 026687
Ultraviolet-mediated **antibiotic** activity of thiophene compounds of Tagetes [patula, photoxic to Candida albicans]. 026772
Mosquito collections in El Salvador with *ultraviolet* and **CDC** miniature light traps with and without dry ice. 029051
The influence of acridine dyes and caffeine on recovery from *ultraviolet* **damage** in Eudorina elegans [Algae]. 026459
Repair of UV *[ultraviolet]-induced* **DNA** damage and survival in yeast [Saccharomyces cerevisiae]. I. Dimer excision. 026226
Influence of double infections on the induction of thymidine kinase by UV *[ultraviolet]-irradiated* **Herpes** simplex virus types 1 and 2 and pseudorabies virus [Rabbits]. 024423
Mitochondria and polarity in the egg of Smittia spec. (Diptera, Chironomidae): UV *[ultraviolet]* **irradiation,** respiration measurements, ATP [adenosine triphosphate] [adenosine triphosphate] determinations and application of inhibitors. 029507
Confirmation of polybrominated biphenyl residues in feeds and dairy products, using an *ultraviolet* **irradiation-gas-liquid** chromatographic technique. 021911
Frequency of nonsense mutations (amber and ochre) induced by UV *[ultraviolet]* **light** in the ura3 gene in Saccharomyces cerevisiae [Yeasts]. 026222
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast [Saccharomyces cerevisiae] irradiated with low doses of *ultraviolet* **light.** 026650
UV *[ultraviolet]* **light** inactivation kinetics of wheat stem rust uredospores [Puccinia graminis]. 027874
Bioassay of nuclear polyhedrosis virus against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against *ultraviolet* **light.** 028674
Ultraviolet-visible and **proton** magnetic resonance spectroscopy of flavonoids. 026584

ULVA
Additional data on morphological and cytochemical features of the Golgi apparatus in vegetative cells of the chlorophycean **alga** *Ulva* lactuca L. (Ulvales). 025966
Observations on mechanisms of attachment in the green **alga** *Ulva* mutabilis Foyn. An ultrastructural and light microscopical study of zygotes and rhizoids. 026060

ULVALES
Additional data on morphological and cytochemical features of the Golgi apparatus in vegetative cells of the chlorophycean alga Ulva **lactuca** L. *(Ulvales).* 025966

UMBELLIFERAE
Study of the oils of plants of the **family** *Umbelliferae.* III. 026506
A noteworthy fruit stock in Oenanthe [prolifera] *(Umbelliferae)* **[Morphology].** 025951
Components of *Umbelliferae.* VII. **Two** new coumarins of Heracleum granatnse Boiss. Elench. 026362

UMBILICARIA
Studies in Antarctic lichens IV. Notes on *Umbilicaria* **aprina** Nyl. 025756

UNANESTHETIZED *see* ANESTHESIA

UNBLEACHED *see* BLEACHING

UNCARIA
The synthesis of 3-spirooxindole derivatives. VII. Total synthesis of alkaloids (plus/minus)-rhynchophylline and (plus/minus)-isorhynchophylline *[Uncaria* **rhynchophyla].** 026523

UNCURED *see* CURING

UNDERGROUND
Irrigating from the *underground* **[Costs].** 030698
Hydraulic standpipes for *underground* **irrigation** pipelines. 030069

UNDERGROWTH
Spacing of *undergrowth* as an **indicator** of potential success of forest regeneration in cutover areas. 025214
The significance of **spruce** *undergrowth* in the formation of young stands. 025131
Undergrowth **vegetation** effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897

UNDERSTORY
Treefalls and patterns of *understory* **species** in a wet lowland tropical forest. 025896
Short term effects of prolonged backwater flooding on *understory* **vegetation.** 025888

UNEMPLOYMENT *see* EMPLOYMENT

UNFERTILIZED *see* FERTILIZATION

UNGERMINATED *see* GERMINATION

UNGERNIA
Isolation of alkaloids **form** *Ungernia* severtzovii by the ion-exchange method. 026486

UNGUICULATA
Germination biology of **Vigna** *unguiculata* (L.) Walp. And Lablab purpurens (L.) Sweet. seeds under conditions of Turkmenistan. 026615
Nitrogen fertilizer management for cowpea **(Vigna** *unguiculata)* production in Sierra Leone. 030568

UNHEATED *see* HEAT

UNICELLULAR *see* CELLS

UNIFORMITY
The effect of poor gluing on the strength of glued wooden beams under a *uniformly* **distributed** load. 025413
A need for *uniformity* in **terminology** and data requirements for research on bulbous species. 027587

UNILATERAL
Unilateral **cross** protection among some NEPO viruses [Tobacco, Petunia hybrida]. 028206
Effects of *unilateral* **ovariectomy** on parturition and post-partum ovulation in the rats. 024139

UNITS
Nonequilibration of **acetyl** *units* from fatty acids and glucose in mammary glands of lactating mice. 023511
Yeast hexokinase A: succinylation and properties of the **active** *subunit.* 026557
The value of an A.U.M. **[Animal** *unit* month] of grazing [Land use]. 021213
Quantitative estimation of edaphic Testacea per soil **area** *unit.* 030187
Variation in **average** *unit* chain length of glycogen in relation to developmental stage in Blastocladiella emersonii [Fungi]. 026684
Conversion of purpose **built** *unit* for dairy cows [Buildings]. 029902
Structural studies on rabbit muscle glycogen synthase. I. *Subunit* **composition.** 023489
Limited proteolysis of yeast phosphofructokinase by subtilisin: Alterations in enzyme activity, *subunit* **composition,** and hydrodynamic properties. 026553
Equipment probe 4: microwave ovens don't replace but complement conventional **cooking** *units.* 022334
Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group II *unit* **discharge** [Taste]. 023370
U.S. **Export** *unit* values decline. 021507
Heat *unit* concept of crop maturity. 026961
Heating *units* in milking sheds, a reasonable thing or an extravagance? 029945
Subunit **interactions** in yeast [Saccharomyces cerevisiae] glyceraldehyde-3-phosphate dehydrogenase. 026405
On the advantage of wide operating widths of **machine** *units* in potato tillage. 030161
Mobile device for technical servicing of **machine-tractor** *units.* 030083
Studies of some twitch and fatigue properties of different **motor** *unit* types in the ankle muscles of the adult cat. 023188
The postnatal development of some twitch and fatigue properties of single **motor** *units* in the ankle muscles of the kitten. 023192
Immune plasma-dependent cytotoxicity of immune and non-immune peripheral lymphoid [chicken] cells for target cells coated with bacterial **outer** *unit* membrane [Leptospira interrogans canicola]. 024530
Heritable variation in a **polypeptide** *subunit* of the major storage protein of the bean, Phaseolus vulgaris L. 027272
Improved **rearing** *unit* for larvae of a common green lacewing [Chrysopa carnea]. 029401
Odor emmisions from animal **rearing** *units.* 030973
New South African Onthophagini collected by the Dung beetle **research** *unit,* Pretoria (Coleoptera, Scarabaeidae) [New taxa]. 029576
Isolation and characterization of *subunits* of 80S **ribosomesof** dry pea seeds. 027133
Microbial contamination of air by activated **sludge** *units.* 030987
Arrangement of the *subunits* in **solubilized** and membrane-bound cytochrome c oxidase from bovine heart. 023477
Reconstitution of potato virus X in vitro. I. Properties of the dissociated protein **structural** *subunits.* 028282
The function of calcium in the cell and in the **subcellular** *units* of apple fruit. 027087
Metric-unit **volume** equations for southern pine [Pinus]. 025144

UNRESTRICTED *see* RESTRICTION

UNSAPONIFIABLE *see* SAPONIFICATION

UPGRADING
Upgrading **primary** treatment with chemicals and water treatment sludge. 030934

UPLANDS
Response of rice to sulphur application under *upland* **conditions.** 030439

Breeding implications from a diallel analysis in two environments of yield and component characters in *U'pland* **cotton** (Gossypium hirsutum). 026301
A new project for the protection of the Kajasowka horst in the **Cracow** *Upland.* 030824
Studies on the chlorosis of Japanese pear trees at old orchards in Kawabara, Tottori Prefecture. 2. The effects of change in copper solubility resulting from amelioration of orchard soil on growth of an *upland* **crop.** 028446
1974 evaluation of candidate pesticides. Fungicides: *upland[fruit]* **crops.** 027994
1974 evaluation of candidate pesticides. Insecticides: *upland* **[horticultural]** crops. 028876
Red ferruginous soils of **Midnapur** *uplands* of West Bengal. 030218
Foliar nutrient variation in four species of *upland* **oaks** [Quercus]. 030554
Inorganic phosphorus fractions of *upland* **soils** of Thailand. 030328
The 1975 Iowa Corn Yield Test report. District 4 *Upland* **[Varieties].** 027472
Streamflow chemistry and nutrient yields from *upland-peatland* **watersheds** in Minnesota. 025022

URBAN

Alternate strategies for *urban* **development** and their implications for agriculture. 021168
The public health implications of *urban* **dogs.** 024294
Landowner behavior at the *rural-urban* **fringe** in response to preferential property taxation. 021407
Trends in rural and *urban* **land** uses in Canada. 021183
Quality of water discharged from an *urban* **motorway.** 030749
Cost of wholesale milk distribution in *urban* **Utah.** 021625
Cost of wholesale milk distribution in *urban* **Utah.** 021626
From city to farm: *urban* **wastes** and the American farmer [Fertilizers utilization, history]. 030413

UREA

Partitioning of nitrogen and carbon in cultures of the marine diatom Thalassiosira fluviatilis supplied with nitrate, **ammonium,** or *urea.* 026668
Distribution of nitrogen in different plant parts of sorghum and amino acid composition of its grain as affected by foliar **application** of *urea.* 030468
Periods for *urea* **application** to the soils of peach orchards. 030525
Estimation of the concentration of *urea* in the **blood** of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method [Veterinary medical diagnostic techniques]. 024368
Effect of *urea* and **boron** on the quality of grapes. 030473
The effects of *urea,* **cottonseed** oil meal and sunflower oil meal, a protein supplement, on lactation performance, digestibility of dry matter and feed nutrients and blood metabolites [Dairy cows]. 023774
Effect of grasses fertilized with *carbamide* and **diammonium** phosphate on the chemical composition of meat and physical properties of the wool of sheep. 022715
Change in nitrogen concentration in chyme of the small intestine in steers fed various **dosages** of *urea.* 023942
Quantitative aspect of the **endogenous** *urea* cycle in goats [Metabolism]. 023570
Consequences of disturbance of endogenous metabolism of *urea* in **fattened** bulls. 024920
A study of the nitrogen balance of cows **fed** with *urea.* 023951
Observations on the characteristics of cow's milk in relation to the *urea* in **feed.** 023929
Production of protein from low protein in **feedstuffs** and *urea.* 023061
The effects of autumn **foliar** *urea* sprays on storage forms of nitrogen extracted from bark and wood of apple shoots. 027204
Use of *urea* and **growth** substances in winter rye and oats [Yields]. 027553
Variations on a few sanguineous biochemical parameters after death in horses and oxen. I. Sodium, potassium, chlorides, *urea* and **hematocrit.** 024355
Analysis of some carbamate and *urea* **herbicides** in foods by gas-liquid chromatography after alkylation [Residues]. 021906
Effect of *urea* on **intracellular** ribonuclease from Aspergillus niger [Fungi]. 026829
Urea **metabolism** in the llama [Feeding]. 023724
Utilization of rice straw by water buffalo when supplemented with **molasses** and *urea.* 023847
The effect of melamin and potato-protein as reinforcing material in the production of *urea-treated* **plywood.** 025419
Using p-dimethylaminobenzaldehyde for extraction and colorimetric determination of *urea* in **soil.** 030184
Comparison of **sulphur-coasted** *urea* and ammonium sulphate amended with N-Serve as sources of nitrogen for sugarcane. 030476
Camellias and **sulphur-coated** *urea* [as source of slow-release nitrogen]. 030416
Urea **supplements** for Merino ewes. 022710
Spotted response of overseeded ryegrass [Lolium perenne] **tosulfur-coated** *urea* [Turfgrasses, fertilizers]. 027105
Urea **utilization** by calves during their growth up to six months of age. 023784

UREDINALES

Notes on **Chilean** *Uredinales* [Puccinia habranthi, Puccinia menthae, Uromyces minor]. III. New hosts [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. 027891
Rust **fungi** *(Uredinales)* in the Lithuanian SSR. 028022

UREDOSPORES

Deposition of Puccinia striiformis [yellow rust] *uredospores* on **adult** wheat plants in laboratory experiments. 027936
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with tritium **labeled** *uredospores* of Uromyces phaseoli. 027908
Presence of wheat rust [Puccinia] *uredospores* over the **Rohtang** pass (3,954 m) in the interior of the Himalayas [India]. 027939
UV [ultraviolet] light inactivation kinetics of wheat stem **rust** *uredospores* [Puccinia graminis]. 027874
Influence of actidion on the germination of the *uredospores* of **Uromyces** caryophyllinus (Schrank) Wint. [Ornamental plants]. 028033

URETER

Histochemistry of the metanephors in the golden hamster. II. The **adult** *ureter.* 023421

URETHANE

Influence of *urethane* and **pentobarbitone** on stimulus secretion coupling in the neurohypophysis [Rats]. 023518

URETHRA

Surgical repair of a fistula of the *urethral* **diverticulum** in a horse. 024932

URIC

Determination of *uric* **acid** precursors in dried yeast and other forms of single-cell protein. 022507
Effect of ribose and ribose-5-phosphate on *uric* **acid** synthesis in the chicken. 023574
Antigenic independence of some **microbial** *urate* oxidases [Fungi, bacteria, yeasts]. 026611

URIDINE

Uridine **diphosphate** glucose synthase from calf liver: determinants of enzyme activity in vitro. 023307
Influence of hydroxyurea on nucleic acids content and 3H *[tritium]-uridine* **incorporation** in callus and tumorous tobaccotissues and cultured in vitro. 028699

URINE

Host-mediated assay and *urinary* **assay** with the same mice for the detection of chemical mutagens in Saccharomyces cerevisiae [Yeasts]. 026093
The *urinary* **bladder:** neurogenic or nonneurogenic problem [in animals. 024840
Modern views on the etiology, epidemiology, diagnosis and pathology of *urinary* **bladder** cancer [in animals]. 024863
The induction and the oncogenic mechanism of *urinary* **bladder** cancer in rats with N-[4-(5-nitro-2-furyl)-2-tahiazolyl] formamide (FANFT) and its osotope-labelled form (FANFT-C14) I. Studies including the chemical carcinogenesis with nitrofuran derivatives and the development of FANFT as a model carc. 024866
The induction and the oncogenic mechanism of *urinary* **bladder** cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the biochemical work, isotopic distribution and the probable mechanism of tumor induction. 024867
Fundamental studies on the etiology of haematuria vesicalis bovis [cattle]. I. The induction of carcinomas and haemorrhages of the *urinary* **bladder** in guinea pigs by feeding bracken fern (Pteridium aquilinum). 025003
Urinary **calculi** in dogs. A trial on an analysis package. 024898
Effect of different dietary protein intake on *urinary* **creatinine** excretion in adults. 022107
Identification of radioactive 17beta-estradiol-17-beta-D-glucuronide and 17alpha-estradiol-17-beta-D-glucuronide in the *urine* of the **domestic** fowl after intramuscular injection of [4-14C] [carbon isotope] estrone. 023356
Twenty-four **hour** *urinary* excretion of vitamins, minerals and nitrogen by Eskimos. 022010
Residues in milk, blood serum and *urine* after **intrauterine** administration of antibiotic trade preparations to puerperal cows. 024995
Myofibrillar protein turnover and *urinary* **Ntau-methylhistidine** output. Response to dietary supply of protein and energy[Rats]. 023704
A *urinary* **pentasaccharide** in bovine mannosidosis [Deficiency of alpha-mannosidase]. 024836
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, water, and *urine* of **sheep** and cattle. 030940
Radiographic interpretation: the *urinary* **system** [Dogs]. 024343

UROCYSTIS

Conditions of germination of chlamidospores of **smut** *Urocystis* leimbachii (Oertel) Liro and the ways of its infection of Adonis vernalis. 028009

UROMYCES

Influence of actidion on the germination of the uredospores of *Uromyces* **caryophyllinus** (Schrank) Wint. [Ornamental plants]. 028033
Notes on Chilean Uredinales [Puccinia habranthi, Puccinia menthae, *Uromyces* **minor].** III. New hosts [Amaryllis belladonna, Majorana hortensis, Pisum vulgare] for the three species already established. 027891
Micro-autoradiographic studies on host-parasite interactions. I. The infection of Phaseolus vulgaris [kidney beans] with tritium labeled uredospores of *Uromyces* **phaseoli.** 027908
Bean rust *[Uromyces* **phaseoli** typica]. 027956

URONIC

Automation of *uronic* **acid** titration by the carbazol method: Application to the case of pectic substances. 022380

URTICACEAE

The role of the perrennial stinging nettle, *Urtica* **dioica,** as a reservoir of beneficial natural enemies [Predators, parasites and entomophagous fungi on Microlophium carnosum]. 028636

USTILAGINALES

Disappearance of smut *[Ustilaginales]* from **[cereal]** fields [Orenburg Region]. 028111

USTILAGO

Cooperative seed treatment trials—1974 [Tilletia, *Ustilago,* **control].** 027928
Differential activity staining: its use in characterization of guanylylspecific ribonuclease in the **genus** *Ustilago* [Fungi]. 026810
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of *Ustilago* **hordei** [Smut fungi]. 026113
Two additive, independent genes for mycelial growth versus sporidial growth of haploid cultures of *Ustilago* **hordei** [Fungi]. 026114
Relation between percent of infection of plants and heads as criterion for evaluation of susceptibility of barley to *Ustilago* **nuda** (Jens.) Rostr. 027960
Loose smut of wheat and barley, even though the seed has been dressed *[Ustilago* **nuda].** 028044
Establishment of new sources of resistance to the groups of races of barley pollen **smut** *(Ustilago* nuda (Jens.) Rostr.) occurring in Poland [Variety testing, breeding]. 026166
The evaluation of the initial [breeding] material of winter wheat for resistance to loose smut *[Ustilago* **tritici].** 026268
The antigen composition of proteins of *Ustilago* **zeae** (Beckm.) Ung. [Common smut of maize] strains that are distinct in nuclear ploidy and pathogenicity. 028025

UTERUS

Involution of *uterine* **activity** in postpartum stage in cows. 024141
Residues in milk, blood serum and urine after *intrauterine* **administration** of antibiotic trade preparations to puerperal cows. 024995
The segmental projection of the **cervix** *uteri* of the cow on the skin. 023674
Effect of prostaglandins on *uterine* **contractions** in the estrous ewe [Sheep]. 024224
Laparoscopic pregnancy diagnosis and *uterine* **fluid** recovery in swine. 024209
Effects of oestradiol and progesterone on the in vitro production of prostaglandin F2alpha by the **guinea-pig** *uterus.* 024044
The use of prostaglandin F2alpha given by either *intrauterine* **infusion** or by intramuscular injection for the control ofoestrus and ovulation in cattle. 024011
Effects of *intra-uterine* **injection** of PGF2a [prostaglandin F2alpha] on progesterone levels in peripheral blood plasma of the cow [Cattle]. 024138
Comparison of *intra-uterine* **metabolism** of prostaglandin F2alpha in ovine and human pregnancy. 023514
Electrical activity of phrenic nerve and diaphragm in *utero* **[Pregnant** ewes]. 024096
A simple approach to replacing a **prolapsed** *uterus* or vagina [Cows]. 024904
Modification of respiratory center output in the unanesthetized fetal **sheep** "in *utero".* 023466

UTETHEISA

On variation of preoviposition period in *Utetheisa* **pulchella** L. (Lepidoptera, Arctiidae) [Pest of Crotolaria juncea]. 028686

VACCARIA

Glycosides of *Vaccaria* **segetalis:** structure of vacsegoside C. 026618

VACCINATION

Immunoglobulin class specificity of non-agglutinating antibody produced in cattle following Brucella **abortus** 45/20 *vaccination.* 024431
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to **aerosol** *vaccination* of poultry with virus vaccine, LaSotta strain, against Newcastle disease. 024773
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum precipitated vaccine and its effect on local reaction in *vaccinated* **animals** [Buffaloes, rabbits]. 024567
Feeding, managing, and *vaccinating* **dairy** and orphan beef calves from birth to weaning. 023096
Swine physiopathology: Prophylaxis and treatment of [infectious] piglet **diseases.** 2. *[Vaccination].* 024710
The adverse effect of environment on the response to **distemper** *vaccination* [Dogs]. 024432
Studies from the Birmingham Dogs Home. 1. The problem of resettling stray and unwanted animals. 2. The effect of **distemper** *vaccination* upon disease incidence. 024618

Dust *vaccination*, an alternative method in Newcastle disease prophylaxis. 024795
Influence of strain of chickens on the immune response to *vaccination* against **Marek's** disease. 024457
Preliminary *vaccination* trials with Mathura strain of infectious bronchitis virus of poultry. 024551

VACCINES

Attenuated *vaccines* against bovine ephemeral fever. 024430
An **attenuated** *vaccine* for Japanese encephalitis [Swine]. 024535
Humoral antibody response to cattle to formalinized Staphylococcus **aureus** *vaccine*. 024496
Brucellosis *[Vaccines,* **cattle,** sheep]. 024681
Measurement of the efficacy of **coli-adsorbate** *vaccines*. Protection studies in mice. 024800
Influence of some physical factors on survival of Marek's **disease** *vaccine* virus. 024441
Newcastle **disease** *vaccines:* a study of duration of immunity and properties of LaSota vaccine given in drinking water [Chicks]. 024478
Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in calves applying **lapinized** *vaccine* against swine fever and a modified live virus of MD-BVD. 024409
Newcastle disease vaccines: a study of duration of immunity and properties of **LaSota** *vaccine* given in drinking water [Chicks]. 024478
Studies on Japanese encephalitis **live** *vaccine*. II. Development of an attenuated strain of virus (Anyang strain) [isolated from new-born piglet]. 024692
Neutralisation of the pH [hydrogen-ion concentration] of the haemorrhagic septicemae alum **precipitated** *vaccine* and its effect on local reaction in vaccinated animals [Buffaloes, rabbits]. 024567
Suckling-mouse-brain **rabies** *vaccine* (SMBV): duration of immunity in dogs. 024781
Investigation on the immunogenity of concentrated ethanol **saponin** *vaccine* against mucosal disease—bovine viral diarrhea. 024411
Vaccine **strain** 19: its problems in animals [cattle] and man [Brucella abortus]. 024529
The effect of overlay medium on plaque formation of tissue culture-attenuated Newcastle disease (TCND) *vaccine* **virus** [Chicken embryos]. 024634
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to aerosol vaccination of poultry with **virus** *vaccine*, LaSotta strain, against Newcastle disease. 024773

VACCINIUM

A study of variation in fruit yield and related characters in two diallels of the lowbush blueberry, *Vaccinium* **angustifolium** Ait. 026115
Observations on the rhizomes and roots of *Vaccinium* **membranaceum** [huckleberry]. 026070
Ethylene as a stimulator of ripening for *Vaccinium* **vitis-idaea**. 027213

VACUOLE

Polybase induced lysis of yeast spheroplasts. A new gentle method for preparation of *vacuoles* [**Candida** utilis]. 026380
Large-scale isolation of **intact** *vacuoles* and isolation of chloroplasts from protoplasts of mature plant tissues. 026067

VACUUM

Growth of bacteria [Serratia liquefaciens, Hafnia, Lactobacillus] isolated from *vacuum-packed* **beef** at low temperatures. 021938

VAGINA

A simple approach to replacing a prolapsed uterus or *vagina* **[Cows].** 024904
Effects of *intravaginal* **flurogestone** acetate and PMS [pregnant mares serum] administration on the reproductive performance of ewes in a cool environment. 024196
Ovulation control in cattle with **progesterone** *intravaginal* device (PRID) and gonadotropin releasing hormone (GnRH). 023994
Effect of long- and **short-term** *intravaginal* progestagen treatments on shychronization of oestrus and fertility in heifers. 024117
Synchronization of Oestrus in cows using *intravaginal* **silastic** coils containing progesterone. 023999

VAGOTOMY

Perietal **cell** *vagotomy* in dogs. Influence on Heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. 024308
The effect of **cervical** *vagotomy* (decentralization) on the ultrastructure of the carotid body of the duck, Anas platyrhynchos. 023365

VAGUS

Vasomotor inhibition in rabbits by *vagal* **nonmedullated** fibers from cardiopulmonary area. 023228

VALANGA

Feeding behavior of the Australian acridid, *Valanga* **irregularis.** 029332
Autonomous pigment movement in the radial pupil of locust ocelli *[Valanga* **nigricornis,** Austracorus guttulosa]. 029453

VALDIVIA

Synecology of the anthropogenic grasslands in *Valdivia* **Province,** Chile. 025858

VALENCE

Evidence for *covalently* **attached** p-coumaric acid and ferulic acid in cutins and suberins [of fruit and vegetables]. 027271
Presence of displacement loops in the *covalently* **closed** circular chloroplast deoxyribonucleic acid from higher plants [Peas, maize]. 026629
Investigations on *valence* **crosses** in rye (Secale cereale L.). IV. Meiotic pairing and seed setting in tetraploid hybrids. 026094

VALLEY

Agricultural-social settlement foundations of the Middle Ages and after in a southeast **Alps** *valley* (Fiemme). 021152
Control of herbaceous weeds in **Blackwood** *Valley* pine [Pinus radiata] plantations. 028582
Certain peculiarities of growing geranium [Pelargonium] on meadow soils of the **Gissar** *Valley* in relation to the utilization of nitrogenous fertilizers. 030534
Black spot: a nonparasitic disease of bell pepper fruit in the Lower Rio **Grande** *Valley* of Texas [of unknown origin]. 028417
Effect of water quality and irrigation frequency on farm income in the **Imperial** *Valley*. 021373
Cotton gin operating costs in the San **Joaquin** *Valley* of California, 1973/74. 022735
Analytical examinations of soils and hays from Viu Valley (**Lanzo** *Valley,* Torino Province) [Composition]. 030180
Costs and returns for selected crops in Closed Basin, San **Luis** *Valley,* Colorado, 1974. 021368
Costs and returns for irrigated crop production in the lower South **Platte** *Valley,* Colorado [Field crops]. 021369
Current situation of Tabebuia cassinoides (Lam.) DC. And Tabebuia obtusifolia Bur. in the Sao Joao **River** *valley,* Rio de Janeiro [National forest resources, conservation]. 025076
Effect of six 4-year rotations on yield, quality, and monetary return of sugarbeets in the Red **River** *Valley* (1971-74). 027527
One example of the comparative development of the clone of Populus euramericana I-214 on the alluvial soil of the Vardar in the *valley* of **Skopje.** 025247
Macromycetes [Fungi] of bushy and ericaceous tundra in the *valleys* of Great and **Small** Vud"iavrs Lakes in the Khibiny Mountains. 025744
Irrigation of fine-fiber cotton in the **Surkhan-Sherabad** *Valley*. 030675
Costs and returns for irrigated crop production in the **Uncompahgre** *Valley,* Colorado. 021370
Analytical examinations of soils and hays from **Viu** *Valley* (Lanzo Valley, Torino Province) [Composition]. 030180

VALUATION

Land *valuation* for tax assessment and land use planning: The search for and use of appropriate measures. 021177

VANDA

Palynologic investigation of Quaternary sediment from **Lake** *Vanda* [Paleobotany]. 025606

VAPOR

The influence of hot mix asphalt plants on vegetation with special regard to *vapors* from **asphaltic** bitumen. 028361
The use of activated charcoal for the concentration and analysis of **headspace** *vapours* containing food aroma volatiles. 022514
Contact, residue, and *vapor* **toxicity** of new insecticides to stored-product insects. III. [Tribolium confusum, confused flour beetle, Attagenus piceus, black carpet beetle]. 028987
Response of newly hatched codling moth larvae (Laspeyresia pomonella) to **water** *vapour*. 029335
Graphical determination of **water** *vapor* condensation on outside building components. 029943

VARIEGATED

Nonnuclear mutations in sunflower. II. Lethal chlorophyll mutations in the progeny of plants with *variegated* **leaves.** 026286

VARIETIES

The experience of growing **American** *varieties* of Virginia tobacco in Bulgaria. 027529
Studies on the control of scald [physiological storage disease] of Holsteiner Cox **apple** *variety*. 022957
The various characteristics of earliest **apple** *varieties* for apple season-off. 027826
Crab **apples** *[Varieties].* 027682
Varieties of **apples.** 027744
Influence of nitrogen fertilization, spraying of calcium nitrate, thinning, and time of harvesting on James Grieve *[variety* of] **apples.** 030514
Anomalies in the behaviour of certain peach and **apricot** *varieties* grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf spot virus. 028168
'Comet,' an early strawberry *[variety]* for **Arkansas.** 027713
Behavior of exotic forage plants in Patagonia **Austral** *[Varieties].* 027362
Polyphenol oxidase activity and browning of three **avocado** *varieties* [resulting from mechanical injury]. 028385
The yield and quality of grain of **barley** *varieties* under different mineral fertilization levels [in breeding intensive types]. 026278
Physiological aspects of nitrate utilisation in a **barley** *variety* exhibiting high seed protein content. 026986
Resistant [crop] *varieties* as the **basis** of integrated methods [of insect pests control]. 028693
New improved kidney **bean** *varieties* for internal comsumption and export [Breeding for mosaic resistance, Chile]. 026281
Zygopetalum—an abandoned genus of **beauty** *[Varieties].* 025599
Report on breeding irradiated **begonia** *varieties* resistant to ozone injury. 026076
Biosynthesis of some water soluble vitamins during germination of Dolichos lablab **(bitter** *variety).* 027184
Blueberry *varieties* and their culture in the United States. 027657
Investigations on flavonoid glycosides in a *variety* of **botanical** groups: luteolin 7-glucoside and diosmin in Lonicera (Caprifoliaceae). 026437
The 1975 Iowa Corn Yield Test report. District 4 **Bottomland** *[Varieties].* 027467
The underestimated Brassavola nodosa *[Varieties,* **breeding].** 027707
Evaluation of **brinjal** *varieties* for resistance to shoot and fruit borer, Leucinodes orbonalis Guen. 028863
Large-grained **buckwheat** *varieties*. 027573
Application of fertilizers to different **cabbage** *varieties* in a flood plain. 030486
Additional new information on Yunnan reticulatas from China **[Camellia,** *varieties].* 027663
The judges have spoken **[Camellia,** *varieties].* 027680
Guidelines to choosing **Camellias** *[Varieties].* 027673
Studies on the processing adaptability of pear **canning** *[Varieties].* 022972
Genotypic and environmental variation in some colour characteristics of **carrots** *[Varieties].* 026082
The effects of long days on the flowering of spray carnations [Dianthus **caryophyllus** *varieties].* 027638
Cereal *varieties* seeded in 1975. 027403
Economic efficiency of [cotton] *variety* **changing.** 021401
The **changing** *variety* picture in stone fruits. 027794
Supplementary lighting for spray **chrysanthemums** *[Varieties].* 027632
French bean: production, *varieties* and use **[Colombia].** 027757
On the existence of levelled beehive designs *[Variety* **competition].** 026096
About the development of [cotton] *varieties* with **complex** resistance [to Xanthomonas malvacearum and Rhizoctonia solani]. 028143
Cotton *variety* Tashkent 1 improved. 027432
Tamcot SP21, SP23, SP37: **cotton** *varieties*. 027442
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the yield of American **cotton** *variety* 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442
Forage **crop** *varieties* and seeding mixtures for 1976. 027583
Predicting bulb size and maturity in Lilium longiflorum Thunb. **cultivars** *[Varieties].* 027080
Variation in **[cultivated** *varieties* of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported cabbage worm [Pieris rapae] in the greenhouse and field. 028874
Camellias in condominiums **[Culture,** *varieties].* 027669
Hollies [Ilex] for Christmas and the landscape **[Culture,** *varieties].* 027691
The strawberry in Ontario *[Varieties,* **culture].** 027821
Modification of the botanical composition and dry substance yield of grass and white clover mixtures from the use of different **Dactylis** *varieties*. 027369
New 1974 *varieties:* **Dargov** tetraploid meadow clover. 027551
The 1975 Iowa Corn Yield Test report. **District** 6 *[Varieties].* 027466
The 1975 Iowa Corn Yield Test report. **District** 3 *[Varieties].* 027468
The 1975 Iowa Corn Yield Test report. **District** 1 *[Varieties].* 027469
The 1975 Iowa Corn Yield Test report. **District** 2 *[Varieties].* 027470
The 1975 Iowa Corn Yield Test report. **District** 5 *[Varieties].* 027471
The production, propagation and distribution of virus-free clones of Narcissus tazetta cv. **"Grand Soleil d'Or"** *[Varieties].* 028204
The season try these new jowars **[Durra,** *varieties].* 027405
Swan Hill fruitless olive [Olea **europaea,** *varieties].* 027793
Seasonal change of palatability of orchardgrass [Dactyis] *varieties* **[Ewes,** grazing]. 023874
Problem of taxonomic definition of categories (species subspecies, prespecies, *varieties)*—the **example** of the genus complex Ophrys fuciflora (Crantz) Moench—Ophrys scolopax Moench—Ophrys scolopax Cav Cav. 025839
Consequential decisions of the State Commission of *Varieties* **[Field** crops]. 027536
The mechanization of harvesting **fine-fiber** *varieties* of cotton. 030072
Wintering of new **first-class** *varieties* of winter rape. 027059
Contribution to the study of photoperiodic response of Impatiens balsamina L. **"Buisson fleuri"** *variety.* 027147
Florida Belle—a bigger and better strawberry for **Florida** *[Varieties].* 027846
Studies on the haploid method of breeding by anther culture in tobacco. V. Breeding of mild **flue-cured** *variety* F 211 byhaploid method [for Pseudomonas solanacearum resistance]. 026101
Additional lighting of lilies [Lilium] (cv. "Enchantment") in the winter to prevent flower-bud abscission *[Varieties,* **forcing].** 027588
New species and *varieties* in the **genus** Astragalus from Kopet Dagh mountains. 025708

Pecan [Carya illinoiensis] *varieties* for **Georgia.** 027815
New among the gesneriads [**Gesneriaceae,** *varieties].* 027687
Small **grain** *varieties* 1975. 027348
Aroma of Muscat **grape** *varieties* [due to terpenes]. 022915
Dependence of the quality of muscadine and red **grape** *varieties* and wines on the content of sodium salts in the soil. 022988
Breeding of **grape** *varieties* resistant to Phylloxera by means of intervarietal hybridization. 026308
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of **grape** *varieties* [Winter injury]. 027287
Stepniak, a frost-resistant **grape** *variety.* 027854
Selection of **hemp** *varieties* in breeding for heterosis. 026146
Selecting **high-yield** *varieties* of tomatoes for greenhouse culture. 027855
New cultivar of silage corn, "**Hokuyu**" *[Varieties].* 027493
Familiar plants in foreign zones [**Horticultural** *varieties].* 027803
Precocious flowering of citrus seedlings. 1. Species, *varieties,* and **hybrids** showing the precocious flowering on their seedlings, and irregularities of the flower organs. 027100
The response of swede [rutabaga] *varieties* and their **hybrids** to soil pH [hydrogen-ion concentration]. 027423
Canada's grape growers plant **improved** *varieties* [Marketing]. 021524
Changes in soil fertility under intensive rice cropping with **improved** *varieties* [Fertilizers]. 030527
Notes on disease resistance of tissue culture sub-clones and fusion of sugarcane protoplasts [for the **improvement** of *varieties].* 026294
Milling of paddy in relation to yield and quality of rice of different **Indian** *varieties.* 022774
Variety **influence** on sunflower seed oil composition. I. 022766
Autumn: silkworm [Bombyx mori] *variety* "**Jam** 113 X Jam 114". 029855
Winter wheat *[variety]* **Krasnovodopadskaia** 210. 026279
New 1974 *varieties:* **Kvart** red clover [Yields]. 027550
My Camellias with unusual **leaves** *[Varieties].* 027675
Usefulness of micromethods for determination of milling and baking quality of wheat grain. III. Comparison of qualitative characters and *varieties* and **lines** of wheat. 027415
Chemical composition, protein quality and protein value of Opaque-2 and other *varieties* of **maize** at different stages of ripening. 022077
Drying of various **maize** *varieties* and hybrids. 022800
As is the **maize** *variety,* so is the yield. 027401
Results of the 1974 main research with summer cereal and **maize** *varieties.* 027454
Varieties and **methods** of planting determined to use tomato harvester. 027840
Green Isle—a promising **new** *variety* of perennial ryegrass [Lolium perenne]. 027406
New *varieties* of Dactylis [glomerata], meadow fescue [Festuca pratensis], and Italian ryegrass [Lolium multiflorum westerwoldicum] recommended for forage production. 027500
Ways of introducing **new** *varieties* [of field crops] into production. 027523
Milona, a **new** *variety* of orchardgrass. 027546
New *varieties* [Cereals]. 027574
Varieties for **nursery** watermelon culture. 027792
Responses of four **orange** *varieties* to certain petroleum oils [used as insecticidal sprays] in Texas. 028872
Flower seed production trials in southern **Oregon** *[Varieties].* 027843
The creator of **original** *varieties* of tomatoes [Aleksandr Vasil'evich Alpat'ev, plant breeding]. 026266
Late summer perennials *[Varieties* of **ornamental** plants]. 027809
Growth of **ovis** *variety* Chlamydia psittaci in cellular cultures and practical applications [Sheep]. 024703
Studies on root distribution pattern of some high yielding **paddy** *varieties.* 027426
Veld types of South Africa [**Pastures,** *varieties].* 027448
Use of grass covers for intensification of agricultural production and improvement of the environment [Culture, *varieties,* **pastures,** lawns]. 027449
Studies on the processing adaptability for nectar of introduced **peach** *varieties.* 022973
The results of studying [Soviet] **peanut** *varieties* [in Guinea]. 027518
Advice for the harvesting and storage of the most important apple and **pear** *varieties* for 1975/76. 022956
Biochemical changes associated with growth and development of **pineapple** *variety* Kew. IV. Changes in major lipid constituents. 027179
Disease resistance of **plant** *varieties* [Breeding]. 026313
Susceptibility of **plum** *varieties* to plum pox disease. 028199
Early [maturing] *varieties* of **plums.** 027802
Germinating capacity of some maize open **pollinated** *varieties,* inbreds, hybrids, synthetics and composites in saline substrate. 026965
Results of investigations of the resistance of **poplar** *varieties* to the borer Cryptorrhynchus lapathi., Curculionidae, Coleoptera. 028957
Breeding of starchy **potato** *varieties.* 026206
Need to accelerate introduction of highly productive [**potato**] *varieties.* 027781
The evaluation of **potato** *varieties* for suitability for mechanized harvesting. 027841
Nucleoproteids from sprouts of **potato** *varieties* resistant and susceptible to the fungus Synchytrium endobioticum (Schilb.) Perc. [Wart]. 028016
Evaluation of nematode resistant **potato** *varieties.* 028389
Potato *varieties* resistant to the Colorado beetle [Leptinotarsa decemlineata]. 028878
Effect of method [split application] and levels of potassium on tuber efficiency and rate of bulking in **potato** *varieties.* 030452
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] fertilizer on yield, tuber size and N, P and K contents of three **potato** *varieties.* 030478
Breeding Narcissus for cut flower **production** *[Varieties].* 026071
The effects of CO_2 [carbon dioxide] concentration on the canopy photosynthesis and winter bloom production of the glasshouse rose 'Sonia' (syn. 'Sweet **Promise**') *[Varieties].* 027639
New **promising** *varieties* of proso. 027510
Mtsvane kakhetinskii, a **promising** *variety* for a true-rooted vineyard. 027852
Food value of some guar (Cyamopsis **psoralioides)** *varieties.* 022105
Comparative evaluation of the field and laboratory methods of determining the *variety* **purity** of seeds [of wheat]. 027509
Best **radish** *varieties* for plastic greenhouses [Yields]. 027776
Testing method for the breeding disease **resistant** *varieties* of ornamental plants. 026077
Specimens of spring wheat *[varieties]* **resistant** to races of stem and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. 026261
Apparent solubility and alkali degradation patterns of **rice** *varieties.* 022780
Morphological and chemical study on grain characteristics of indigenous Thai **rice** *variety.* 022810
Late maturing **rice** *variety* trial, Kern County 1975. 027427
The testing of Soviet-bred **rice** *varieties* [in Guinea]. 027520
Nitrogen responsiveness of two lowland **rice** *varieties* under five management practices. 030498
A new gem squash: **Rolet** *[Varieties].* 027662
Graceful **roses** *[Varieties].* 027806
Yield, chemical composition and dry matter intake of R.v.P **ryegrass** *varieties* [Lolium, sheep]. 023071
Effects of temperature on the germination and emergence of lettuce (lactuca **sativa,** L.) *varieties.* 027198
Study on host reaction of some **selected** *varieties* of soybean rust [Phakopsora pachyrhizi]. 028086
The California Camellia season—1975 *[Varieties,* **shows].** 027678
Pecan *[variety]* **shuck** dehiscence dates under southwest Georgia conditions. 027816
Dependences of some physical-mechanical quantities on internodes of barley stalks of the Dvoran and **Sladar** *varieties.* 026879
The Channel Islands and the International Camellia **Society** *[Varieties].* 027679
The most widespread **sorghum** *varieties* [in Guinea]. 027516
Changes in trypsin inhibitory activity in **soybean** *varieties* during maturation and germination. 021921
Forrest **soybean** *[Varieties].* 027441
New **soybean** *varieties* analyzed for the state. 027504
Information from the cultivation of Czechoslovak and foreign **soybean** *varieties.* 027541
Macronutrient variation in small grain forage as related to **specie** and *variety.* 026943
Progress in the promotion of flowering in lilies [Lilium **speciosumin** *varieties]* by supplementary illumination. 027625
The productivity coefficient of the spring wheat **spike** *[Varieties].* 026273
The results of **state** *variety* testing [of field and horticultural crops] for 1974. 027519
Strawberry-raspberry-grape *varieties* for Minnesota. 027732
Results of the Swiss post control test with **sugarbeet** *varieties* from 1971 to 1974. 027455
Homegrown and foreign-grown **sugarbeet** *varieties* in the experiments of the Central Agricultural Control and Testing Institute in the Period from 1970 to 1973. 027540
Effects of potato cyst nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the water relations and growth of a resistant and a **susceptible** *variety.* 028402
Effects of potato cyst nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the yield of two **susceptible** *varieties.* 028403
Swiss *varieties* in the 1975 cereal cultivation. 027456
Crane's Bill—Geranium [**sylvaticum,** *varieties].* 027800
Components of test weight of **ten** *varieties* of winter wheat grown with two rates of nitrogen fertilizer application. 030477
The use of multivariate analysis in [plant] breeding and *variety* **testing.** 026156
Establishment of new sources of resistance to the groups of races of barley pollen smut (Ustilago nuda (Jens.) Rostr.) occurring in Poland *[Variety* **testing,** breeding]. 026166
Australian specimens of common wheat *[Variety* **testing** in USSR]. 027506
Alma, a new fig for **Texas** *[Varieties].* 027795
Anatomical study of leaf lesions on **three** *varieties* of rice as a result of feeding by different species of rice leafhoppers [Nephotettix, Recilia dorsalis]. 028788
Use a [disease] resistant **tobacco** *variety.* 026075
The development of the multiple disease resistant flue cured **tobacco** *variety,* F 209 [Breeding]. 026102
Field resistance of **tobacco** *varieties* and hybrids to downy mildew [Peronospora tabacina]. 028100
The breeding of **tomato** *varieties* for canning for the central zone [of the USSR]. 026265
Resistance of **tomato** *varieties* to black bacterial spot [Xanthomonas vesicatoria]. 028142
The more important **tree** *varieties* of the Vietnam forests. 025691
Effect of forest insect pests on the structure of **tree** *varieties.* 028934
Protein evaluation of **triticale** *varieties* [as feed] for weanling pigs. 023898
Preliminary discussion of polymorphism in trees which are the issue of nucellar embryos of the **Tunisian** *variety* of Maltese demi-sanguine oranges. 025971
Effect of nitrogen application spacing and planting method on **two** *varieties* of sunflower. 027474
Breeding of broad leaf **type** *varieties* (F 207, F 208) in flue-cured tobacco. 026100
Entered acreage of certified seed potatoes by *varieties*—1975, **United** States and Canada. 027708
The 1975 Iowa Corn Yield Test report. District 4 **Upland** *[Varieties].* 027472
New 1974 *varieties:* **Valaska** tufted red fescue [Festuca rubra, yields]. 027549
The most **valuable** *varieties* of barley and oats. 026272
Vegetable *varieties* for Finnmark. 027811
Methods of field testing of [cotton] *varieties* [against **Verticillium** wilt]. 027435
Volatile constituents of grape leaves. I. Vitis **vinifera** *variety* 'Chenin Blanc'. 027108
Milling **wheat** *varieties* increase in popularity. 022779
An investigation of the effect of mutagens on **wheat** *varieties* and species of different ploidy levels. 026282
An apparent relationship of soluble sugars with hardiness in winter **wheat** *varieties.* 026925
An apparent relationship of soluble sugars with hardiness in winter **wheat** *varieties.* 026926
New **wheat** *varieties.* 027428
Performance of the new **wheat** *variety* Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 [Nitrogen and phosphorus fertilizers]. 030475
Corn performance tests in Texas, 1974 [**Yield,** *varieties].* 027457
Consumers' responses to high **yielding** *varieties* of rice. 021580
Strong spring wheat *[variety]* **Zarnitsa.** 027513

VARNISH

Permanent preparations of sweetwater algae. VI. Enclosure in water-soluble mounting media (**sealing** *varnish).* 025560

VARROA

Varroa **jacobsoni:** a prospective pest of honeybees in many parts of the world. 029756

VAS

Fine structure of *vas* **deferens** wall in the mite, Pergamasusviator Halas, (Mesostigmata, Parasitidae). 029191
The effects of lysergic acid diethylamide on the response to field stimulaton of the **rat** *vas* deferens and the rat and cat anococcygeus muscles. 023333

VASCULAR

The effects of glucagon on the hepatic **arterial** *vasculature* of the dog: an inhibition of the effects of vasoconstrictor agents. 023332
The **blood** *vascular* system of the bovine omasum. 023232
Effects of ethanol and its interaction with vasoactive agents in **bovine** *vascular* smooth muscle. 023259
The role of H1 and H2-receptors in the **coronary** *vascular* response to histamine of isolated perfused hearts of guinea-pigs and rabbits. 023334
Vascular **dopamine** receptors in the canine hindlimb [Dogs]. 023335
The *vascular* **flora** and vegetation in the Green River Gorge, North Carolina. 025677
Histamine receptors in **peripheral** *vascular* beds in the cat.. 023325
Additions and corrections to O. Eriksson, A. Hansen & P. Sunding: "Flora of Macaronesia. Checklist of *vascular* **plants** 1974". 025684
Development and organization of the **primary** *vascular* system in Populus deltoides according to phyllotaxy. 025939
Ferns and other **primitive** *vascular* plants of central south Georgia. 025671
Histamine receptors in the *vasculature* of the **rabbit** ear. 023594
Vascular **restriction** as the cause of 'Dimbula disease' of tea (Camellia sinensis) bushes. 028391
The *vascular* **system** of the fertile scale of Abietaceae. 025965

VASOACTIVE

Effect of *vasoactive* **agents** on the distribution of renal cortical blood flow in dogs. 023182
Effects of ethanol and its interaction with *vasoactive* **agents** in bovine vascular smooth muscle. 023259

VASOCONSTRICTION

The effects of glucagon on the hepatic arterial vasculature of the dog: an inhibition of the effects of *vasoconstrictor* **agents.** 023332

VASODILATATION.
Two phases of chorda-lingual **induced** *vasodilatation* in the cat's submandibular gland during prolonged perfusion with Locke solution. 023557

VASOMOTOR
Vasomotor **inhibition** in rabbits by vagal nonmedullated fibers from cardiopulmonary area. 023228

VASOPRESSIN
Effects of histamine, *vasopressin,* and **angiotensin** II on hepatosplanchnic hemodynamics, liver function, and hepatic metabolism in cats. 023183
Vasopressin **release** by nicotine: the site of action [Cats]. 023336

VASCULAR
Renal function and *intra/extravascular* **distribution** spaces in the rat after supralethal whole-body X-irradiation. 023640
Rapid estimation of **pulmonary** *extravascular* water with an instream catheter [Dogs]. 023469

VEAL
Peak shear-force values obtained for *veal* **muscle** samples cooked at 50 and 60 Celsius: influence of aging. 022683
Veal **productivity** of calves of dairy and beef-dairy [cattle] breeds in conditions of industrial technology [Costs, returns, meat composition]. 021460

VECTORS
Problems and possibilities for control of BYDV [barley yellow dwarf virus] in Britain **[Aphids,** *vectors].* 028162
Epidemiological studies on Malayan filariasis in an inland area in Kyungpook, Korea. 2. The periodicity of the microfilariae [Brugia malayi] and the bionomics of the *vector* **[Brugia** malayi, Anopheles sinensis]. 029039
Movement of feral pigs in North Canterbury, New Zealand *[vectors* of **contagious** disease, cattle, sheep]. 024607
Vector **control** activities in the West Central region of the American Mosquito Control Association. 029069
Aflatoxin production [by Aspergillus flavus] and Lepidopteran insect injury on corn in Georgia [Heliothis zea, Spodoptera frugiperda, Astrinia nubilalis, fungus **disease** *vectors].* 028746
Recent orientations in the study of insect pathogens in in vitro cultured cells **[Disease** *vectors,* biological control]. 029016
Leaf spot of black currants [Virus **diseases,** *vectors].* 028287
Comparative observations on maize rough dwarf virus and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, **Fulgoroidea,** *vectors].* 028158
Acquisition and loss of the tobacco stunt pathogen by Olpidium brassicae **[fungus** *vector]* and transmission by sap inoculation. 028236
Pathogenicity of the corn stunt agent to an **insect** *vector,* Dalbulus elimatus. 028758
Observations on cattle infectious keratoconjunctivitis in Ivory Coast. II. Study of the ophthalmotropic **lepidoptera** as *vector.* 024641
The nature of the infectious agent of tobacco stunt [virus] in relation to its [fungus] *vector,* **Olpidium** brassicae. 027983
Potato mop-top virus and its *vector,* [the **powdery** scab fungus] Spongospora subterranea. 027978
The mechanism controlling the crossing of the *vector's* **stomach** wall by microfilariae (Dipetalonema desae-Aedes aegypti). 029278
Laodelphax striatellus as a *vector* of **two** cereal viruses in Italy. 028697

VEGETABLE
Breeding of *vegetables* in **Bulgaria.** 026207
Levels of residues of chlorinated hydrocarbons in **canned** *vegetables.* 021859
Effect of **certain** *vegetables* on the larval development of Diacrisia obliqua Walker (Lepidoptera: Arctiidae). 028861
Gall nematode **[Control,** *vegetables].* 028468
Fruit and *vegetable* **crops** costs and returns from farm cost accounts. 37 farms, 1974. 021352
Yield response to soil warming: *vegetable* **crops** [Soil temperature for optimum growth, utilization of energy production waste waters]. 027106
Productivity of *vegetable* **crops** in a region of high solar input. IV. Field chamber measurements on French beans (Phaseolus vulgaris L.) and cabbages (Brassica oleracea L.). 027124
Diseases of *vegetable* **crops** in home gardens. 028349
Photosynthetic reduction of nitrite gas injury to *vegetables* **[Cucumbers,** kidney beans]. 028316
Vegetable **cultivars** and planting guide for Wisconsin gardens 1976. 027585
Prospect of hydroponic method of *vegetable* **culture** in greenhouses. 027785
Responsibilities of truck farmers *[Vegetables,* **culture].** 027787
Plastic shelters *[Vegetables,* **culture].** 029940
A descriptive study of the New York Capital **District** *vegetable* industry, 1974. 021675
Glyceride structure of **Egyptian** *vegetable* oils. VII. Erucic acid rich oils. 022808
On the use of enzymes for *vegetable-oil* **extraction.** A preliminary report. 022818
Electric heating of hotbeds [Horticultural **ezuipment,** *vegetables].* 030079
[Results of work of] scientists of the Scientific-Research Institute of *Vegetable* **Farming** [in breeding]. 026280
The **freezing** of *vegetables.* 022904
Evidence for covalently attached p-coumaric acid and ferulic acid in cutins and suberins [of **fruit** and *vegetables].* 027271
Vegetable **greenhouse** insect control. 028835
Equipment necessary for *vegetable* **growers.** 030063
Internal farm cost accounting in *vegetable* **growing.** 021283
Growing *vegetable* crops in rockwool and other media [Lettuce, tomatoes, cucumbers]. 027605
Consumer preferences for *vegetables* **grown** under "commercial" and "organic" conditions. 022928
Peat and other organic materials repeatedly used for greenhouse **grown** *vegetables.* 027620
The mechanization of *vegetable* **harvesting.** 030014
Fresh fruits and *vegetables* from the **home** garden [Culture]. 027804
Fresh fruits and *vegetables* from the **home** garden [Culture]. 027805
Fruits and *vegetables* in **human** diet. 022090
Survival of enteroviruses on *vegetables* **irrigated** with chlorinated oxidation pond effluents [Wastewater treatment]. 021904
Production of *vegetables* on **irrigated** lands [Yields]. 030670
Studies on the color-development of meat products by some *vegetable* **juices.** I. On the mechanism of coloring and substances relating to it. 022648
Freeze concentration of *vegetable* **juices.** 022903
Nutritional qualities of some African edible **leafy** *vegetables.* Effect of boiling on the essential amino acid composition of their extracted protein. 022933
Study on mineral accumulation at the **main** *vegetable* production area [Soil analysis]. 030334
Home freezing of fruits, *vegetables,* **meats,** and other foods. 022072
Studies on the effects of various adsorbents on the constituents of *vegetable* **oil** [Rapeseed, sunflowers]. 022809
Interpretation of *vegetable* **oil** analyses through EDP [electronic data processing]. 022817
European Community's use of *vegetable* **oils** gaining over animal fats [Consumption]. 021533
Exploitation of some wastes of *vegetable* **oils** as sources of vitamin E in animal and poultry husbandry. 023944
Study on residual life of pesticides **on/in** *vegetable* crops. 029166
Subcellular localization of lipoxygenase and lipolytic acyl hydrolase enzymes in **plants** *[Vegetables].* 027253
Use of all reserves to increase productive capacity *[Vegetables,* **potatoes].** 021284
Aftereffects of herbicides *[Vegetables,* **potatoes,** yields, weed control]. 028524
An outline of microbiological contamination of commercially **preserved** *vegetables* during the last 15 years. 021858
Automatic methods of *vegetable* **processing.** 022896
The use of calcareous sand in Abu Dhabi as a growing medium in the sand culture system [to **produce** *vegetables].* 027646
Distribution, specialization and concentration of *vegetable* **production** in the open. 021816
Vegetable **production** in the Pacific islands. 027842
Profit more with *vegetables.* 022358
Effective methods of **protecting** *vegetable* crops [in Poland]. 028393
U.S. Imports of fruits and *vegetables* under **quarantine,** fiscal 1975 [Statistics]. 021508
Rare *vegetables* [Artichokes, cardoons, culture]. 027786
Annotated bibliography on the storage of **root** *vegetables* (beetroot, parsnips, radishes, swedes, turnips), 1968-1974. 022963
Symposium on protected cultivation of flowers and *vegetables,* **Scheveningen,** 13-16 May 1975. 027634
The methodology of determining the sowing quality of pelleted **seeds** [of *vegetables].* 021970
Increase of germination of *vegetable* **seeds** in open ground. 027210
Method of determining **germination** rate and vital capacity of *[vegetable]* **seeds.** 027211
Storage characteristics of some *vegetables* and **soft** fruits. 022879
Yield response [of field crops and *vegetables]* to **soil** warming: economic feasibility [of utilizing energy production waste waters]. 021363
Check the diseases on **summer** *vegetables.* 028375
Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in **tobacco** and *vegetables.* 029118
Studies on the weed [Sasa paniculata]-vegetation at the early stage of reforestation. I. *Vegetable* **transition** on Cryptomeria japonica forests planted in every year. 025203
Vegetable **varieties** for Finnmark. 027811
Occurrence of fungi of the genus Fusarium on fruits and *vegetables* during their **winter** storing in the Turkmen SSR. 027989

VEGETARIANS
Vegetarian **diets.** 022088
The dietary status of **new** *vegetarians.* 022131

VEGETATION
Factors affecting the distribution of *vegetation* of **abandoned** rice fields, Georgetown County, South Carolina. 025670
Distribution of starch in the *vegetative* **apex** of the maize shoot. 026948
The use of overwinter draw down for **aquatic** *vegetation* management [Acquatic weeds, control]. 028598
The influence of tourism on the *vegetation* of the **Babia** Gora National Park. 030837
Gibberellic acid [for producing early blooms of Camellias]-flower bud vs. *vegetative* **bud.** 027671
Effects of dormancy factors on the growth of *vegetative* **buds** of young apple trees [Chilling requirements]. 027118
Observations on the lichen flora and *vegetation* of the **Canary** Islands. 1. Ochrolechia szatalaensis Vers (Pertusariaceae). 025686
Additional data on morphological and cytochemical features of the Golgi apparatus in *vegetative* **cells** of the chlorophycean alga Ulva lactuca L. (Ulvales). 025966
Vegetation **changes** on an old rice field following herbicide treatment. 028586
Vegetation **changes** in a shallow African lake: response of the vegetation to a recent dry period. 030655
First survey on the *vegetation* of **Chelmos** (Peloponesis). 025610
Climatic and *vegetational* **classifications** in regional site classification. Considerations from the forest site classification system in Baden-Wurttemberg. 025091
Thoughts and studies on the notion of *vegetation* **climax** in the eastern Mediterranean climate. 025873
Determination of fluoride in *vegetation:* a **comparative** study of four sample preparation methods. 022922
The influence of soil composition on the *vegetation* of the **Coolac** Serpentinite Belt in New South Wales [Casuarina stricta, Ricinocarpos bowmanii, Xanthorrhoea australis]. 030251
Spreading of the mosaic virus on **corn** during *vegetation.* 028164
Vegetative **disorders** in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) [Apricot chlorotic leaf roll virus]. 028207
Successional stages in a hardwood bottomland forest near Dallas, Texas *[Vegetation* **dynamics].** 025924
Establishing *vegetative* cover along logging access roads: techniques—costs—benefits. 025468
Collaborative study of a potentiometric method for the determination of **fluoride** in *vegetation.* 026622
Streamflow response to forest cutting and *revegetation* **[Forested** watersheds]. 025070
Grassland *vegetation* analysis using remote sensing techniques. 3. Spectral reflectance of plants as a base of multispectral photo interpretation. 027491
Grassland *vegetation* analysis using remote sensing techniques. 4. Multispectral photo interpretation of vegetation for the purpose of grassland planning. 027492
The vascular flora and *vegetation* in the **Green** River Gorge, North Carolina. 025677
Air pollution and *vegetation* **[Inquiries].** 028384
The *vegetation* of the **Kajasowka** hill and the problem of itsprotection. 025892
Hydrographically conditioned floristic and *vegetation* **limits** in Icelandic coastal waters [Algae]. 025878
The **native** *vegetation* in south Florida related to month of [prescribed] burning [Pinus]. 025258
Natural *vegetation* of Shirasu cliff. 1. 025881
Lead in soil and *vegetation* along a **New** Zealand state highway with low traffic volume. 030869
Effect of partial defoliation during the *vegetative* **phase** on subsequent growth and grain yield of maize. 027366
Vertical distribution of *vegetation* on **Pico** Island, Azores. 025688
Seed treatment of Mojave Desert shrubs [to improve germination for *revegetation* **planting].** 026354
The **presettlement** *vegetation* of Williamson County, Illinois [Forest ecology]. 025890
The effect of fertilizers on sclerophyll (heath) *vegetation-the* **problems** of revegetation after sand-mining of high dunes. 030524
The creation of mother plantations and nurseries for the production of *vegetatively* **propagated** tea transplants. 027863
Observations on *vegetative* **propagation** of avocados (Persea americana) at Thika. 027618
Vegetative **propagation** of papaya by budding. 027652
Vegetative **propagation** of daffodils [Narcissus] by double-scaling. 027653
Vegetative **propagation** of tropical tree crops with emphasis on cacao (Theobroma cacao L.) and kola (Cola nitida, (Vent.) (Schott and Endlicher). 027857
Grassland vegetation analysis using remote sensing techniques. 4. Multispectral photo interpretation of *vegetation* for the **purpose** of grassland planning. 027492
Vegetation changes in a shallow African lake: response of the *vegetation* to a **recent** dry period. 030655
Ruderal *vegetation* of the Bielsko-Biala town [Poland]. 025912
The effect of fertilizers on sclerophyll (heath) vegetation-the problems of *revegetation* after **sand-mining** of high dunes. 030524
Studies on the weed **[Sasa** *paniculata]-vegetation* at the early stage of reforestation. I. Vegetable transition on Cryptomeria japonica forests planted in every year. 025203
Progress in potted plant systematics, floristics and *vegetation* **science** in Austria during 1961-1971. 025848
The influence of hot mix asphalt plants on *vegetation* with **special** regard to vapors from asphaltic bitumen. 028361

Studies on the development of **spontaneous** *vegetation* of anthropogenic waters in the reculti-vation area of open lignite mines in the Rhine area. 025875
Seedling establishment and *vegetative* **spread** of Cirsium arvense (L.) Scop. in Victoria, Australia. 028602
Flavonoids of the *vegetative* **stems** of Periploca graeca. 026738
A survey of darkling beetles [Philolithus, Stenomorpha] in desert **steppe** *vegetation* after a decade. 029533
An ecological study on the **strand** *vegetation* of the Orissa Coast. 025905
Submerged *vegetation* of the Rotorua and Waikato Lakes. 3. Lake Rerewhakaiitu. 025900
Experimental technique allowing for the study of the incidence on *vegetation* of **sulfur** dioxide pollutants applied continuously and at subnecrotic doses. 030946
Flora and *vegetation* of the **suthern** region of the New Hebrides Archipelago. 025790
Antarctic glaciation and early **Tertiary** *vegetation* [Pollen studies]. 025760
Vertical distribution of the natural and introduced flora on the central southwestern slope of Tenerife (with examples of *vegetation* **types**). 025749
Undergrowth *vegetation* effects on the nutrient content of litterfall and soils in red pine [Pinus resinosa Ait.] and birch [Betula papyrifera] stands in northern Minnesota. 025897
Short term effects of prolonged backwater flooding on **understory** *vegetation*. 025888
Effect of deicing salts on **woody** *vegetation* along Minnesotaroads; final report, 1975 [Injuries]. 025059

VEHICLE
Roll and pitch investigations of **off-road** *vehicles* [Tractors]. 030147
Studies from **space** *vehicles* in forestry. 025044
Using dimensionless prediction terms to describe in-soil **tracked** *vehicle* performance. 030152

VEIN
Specific release of bovine neurophysin II during arterial or *venous* **haemorrhage** in the cow. 023521
Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in **jugular** *venous* plasma in cows prior to and during oestrus. 024134
Concentration and transport of different sugars in the lymph of the thoracic duct and in blood of the **portal** *vein* in dogs after enteral and parenteral administration. 023388
Amino acid absorption by **portal-jugular** *venous* differences in sheep fed two maturities of alfalfa hay. 023756
Atypical tryptamine receptors in sheep **pulmonary** *vein*. 023321
Morphological study of the kidney in the fowl. II. Renal portal and *venous* **systems.** 023569
Beet necrotic **yellow** *vein* virus and its relation to the fungus, Polymyxa betae. 027965
Sonchus [oleraceus] **yellow** *vein* virus, a new virus disease of sowthistle. 028233

VELD
Veld **types** of South Africa [Pastures, varieties]. 027448

VELOCITY
An approach to the measurement of photosynthetic rate in single leaves by the aeration method. II. The effects of **aeration** *velocity*, CO2 [carbon dioxide]-concentration and air stirring on the photosynthetic rate of mulberry [Morus] leaf. 026433
Temperature dependence of anaphase **chromosome** *velocity* and microtubule depolymerization [Tilia americana]. 027324
Study of the effect of pulses on **milking** *velocity* and magnitude of manual end-milking during machine milking of ewes. 023194
Velocity **reducer** and amplifier [Energy source for farm equipment]. 029949

VENEERS
Improvement of the characteristics of *veneer* **boards** made from poplar wood by moddification of their outer layer. 025517

VENOM
Bee *venom*. 029757
Discrete and discontinuous action of brown widow spider [Latrodectus geometricus] *venom* on the **presynaptic** nerve terminals of frog muscle. 029435

VENTILATION
Hemodyamic and *ventilatory* **effects** of skin-cooling in cattle. 023410
Airflow and temperature distribution in greenhouses with **fan** *ventilation*. 029869
Ventilation, **feed** waste, breakage [Raising poultry]. 023114
Effect of *ventilation* on **maximum** air temperatures in twelve identical glasshouses. 029876
Mechanically *ventilated* livestock buildings. 029866
Naturally *ventilated* livestock buildings. 029867
Residual levels and biochemical changes after *ventilation* with **perfluorinated** liquid [Dogs]. 023470
Effect of continuous **positive-pressure** *ventilation* (CPPV) on edema formation in dog lung. 023462
Use of *ventilation* to **remove** odors from liquid manure [Equipment, air pollution control]. 030016

VENTRICULAR
The effect of anoxia on the *ventricular* **fibrillation** threshold in the rabbit isolated heart. 023330
Dynamic stiffness profiles in the **left** *ventricle* [Dogs]. 023461
The hydraulic function of intramyocardial fluids subject to the erectile properties of the *ventricular* **wall** of mammalian hearts [Dogs]. 023679

VENTURIA *see* MYCOSPHAERELLACEAE

VERATRUM
Structure of veralodisine *[Veratrum* **lobelianum**]. 026503

VERMICULITE
X-ray and DTA **characterisation** of some *vermiculites*. 030323

VERNALIZATION
Effects of **bulb** *vernalization* on yield and quality characteristics of outdoor grown Golden Yellow Freesia hybrida. 027763
Contribution to the study of *vernalization* by **cold** treatment on the root of Cichorium intybus L. [Chicory]. 027225
Vernalization as a **factor** influencing the rate of development in subterranean clover (Trifolium subterraneum L.) [Cultivars]. 026898
Acceleration of winter **wheat** *vernalization* when grown under controlled conditions [for breeding]. 026251
Vernalization of **winter** field pea. 026894

VEROMESSOR
Natural history of *Veromessor* **pergandei**. II. Behavior (Hymenoptera: Formicidae). 029467

VERSICOLOR *see* COLOR

VERTEBRATES
Vertebrate **animal** populations of the McCormick Forest [Michigan]. 025069
Unusual anatomical disposition with supernumerary rib and **anomalous** *vertebra* in ox (Bos indicus). 023446
Histochemical investigation on the kidney of *vertebrates*. VI. The **avian** kidney. 023267
Histochemical and histoenzymological investigations of the *vertebral* **chondrogenesis** in the chick embryo. 023240
A high density component in several *vertebrate* **enteroviruses** [Swine vesicular disease virus]. 024601
Interaction of viruses of *vertebrates* and **nuclear** polyhedrosis viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. 029317
Effect of *vertebrate* **size** and density on host-selection by caged Culex nigripalpus. 029038

VERTICAL
Vertical **distribution** of vegetation on Pico Island, Azores. 025688
The effect of ecological factors on the *vertical* **distribution** of micromycetes [including plant pathogenic fungi] in soils of East Georgia [USSR]. 025746
Vertical **distribution** of the natural and introduced flora on the central southwestern slope of Tenerife (with examples of vegetation types). 025749
Effects of rate and depth of application of nematicide on nematode [Meloidogyne incognita] *vertical* **distribution** and tomato production in a sandy loam greenhouse soil. 028345
Seasonal flight and *vertical* **distribution** of Scolytidae attractred to ethanol in an oak-hickory [Quercus, Carya] forest in Missouri. 029287
Seasonal and *vertical* **distribution** of a population of soil arthropods: Cryptostigmata. 030274
Irrigation regime of cotton in relation to *vertical* **drainage.** 030678
Study of *vertical* **dynamics** of the MAZ-509 plus TMZ-803 logging truck-trailer trains. 025412
Vertical **electrical** resistivity soundings to locate ground water resources: a feasibility study. 030641
Theory of *vertical* **hydrodynamic** zonation of Artesian basinsof the platform type [Groundwater]. 030782
Vertical **integration** and contracts in agriculture. IV. Synoptic survey. 021281
Vertical **interactions** in phytoplankton populations—an asymptotic Eigenvalue analysis [Algae]. 025920
The sensitivity of two arable lands to compaction; a contribution to the behavior of soils under a *vertical* **load** in a range of soil suction up to pF 2.7. 030260
Mathematical description of the process of filtration during *vertical* **percolation** [Wood hydrolisis]. 025312
Seasonal *vertical* movement of wireworm larvae in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711
Inertial removal of bell peppers with a *vertical* **snapping** motion produced by a double crank mechanism. 030144
Studies on off-the-road locomotion. Estimation of *vertical* **stresses** in the layer of paddy field soil. 030174
Study of the *vertical* **transmission** and horizontal transmission of Drosophila melanogaster and Drosophila immigrans Picornavirus. 029225

VERTICILLIUM
Some aspects of the lucerne breeding work in the GDR [German Democratic Republic] against *Verticillium* **albo-atrum.** 026176
Residual effect of soil fumigation with vine burning on control of *Verticillium* **[albo-atrum]** wilt of potato. 028060
The effect of various factors on the production of pectolytic enzymes by *Verticillium* **dahliae** Kleb. [Cotton wilt]. 028027
Resistance of soybeans to root rots and wilting [Fusarium, *Verticillium*, **Sclerotinia**]. 028118
Selection criteria for *Verticillium* **tolerance** of alfalfa. 026175
Early maturing and resistance to *[Verticillium]* **wilt** of cotton [Breeding]. 026212
Methods of field testing of [cotton] varieties [against *Verticillium* **wilt**]. 027435
Duration of effects of benomyl on growth and **wilt** *(Verticillium* dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to time of inoculation. 027896
Directional variability of *Verticillium* **[wilt** of cotton]. 028000
Fungicide properties of topsine for control of *[Verticillium* **wilt** of cotton]. 028001

VESICLE
A new form of *vesicular* **diseases** of swine and preventive measures against them [Enteroviruses]. 024645
Characterization of fibrous compound of **golgi** *vesicles* in tapetal cells of Delphinium. 026053
Electron microscopy of vesicular-arbuscular mycorrhizae of yellow poplar [Liriodendron tulipifera]. II. Intracellular **hyphae** and *vesicles*. 025995
Unusual cytoplasmic inclusion body in neural tube cells of rat early embryo: a **phagocytotic** *vesicle?* 023244
Photophosphorylation and related properties of **reaggregated** *vesicles* from spinach photosystem I particles. 027138
A possible role for intercisternal elements in the formation of **secretory** *vesicles* in plant golgi apparatus [Maize roots]. 026023
Cytochemical studies of the secretion of accessory glands and **seminal** *vesicles* of the honeybee Apis cerana indica. 029811
A comparative study of the surface projections of different strains of *vesicular* **stomatitis** virus. 024600
A high density component in several vertebrate enteroviruses **[Swine** *vesicular* disease virus]. 024601
Correlation of polypeptide composition with antigenic variation in the **swine** *vesicular* disease and coxsackie B5 viruses. 024659

VESPIDAE
Influence of different sucrose syrup concentrations and presence of species members on the foraging behaviour of wasps **(Hymenoptera:** *Vespidae)*. 029338
The biology of Stenogaster concinna van der Vecht with comments on the phylogeny of Stenogastrinae **(Hymenoptera:** *Vespidae)*. 029395

VESPOIDEA
Observations on the egg laying and sleeping habits of Euparagia scutellaris Cresson **(Hymenoptera:** *Vespoidea)*. 029468
A review of the genus Stenogaster Guerin **(Hymenoptera:** *Vespoidea)*. 029604

VESPULA
The attractiveness to bees [Apis mellifera] of synthetic wasp *[Vespula]* **attractants**. 029830

VESSEL
Junctions in the central nervous system of the cat. IV. Interendothelial junctions of cerebral **blood** *vessels* from selected areas of the brain. 023361
Vessels in **Juncales:** II. Centrolepidaceae and Restionaceae. 025942
The kind of a *vessel* that should be used for **visual** estimation of seeds [in breeding]. 026270

VETCH
Shoot zone uptake of soil-applied herbicides in some legume species [Broadbeans, scarlet runner **beans,** *vetch]*. 028603
Biology of Dinarmus acutus, a chalcidoid parasite of the *vetch* **bruchid** [Biological control]. 028707
Variability of protein content in **spring** *vetch* and peas for forage. 027046

VETERINARIANS
In memoriam: H. A. **Dingemans** *[Veterinarians]*. 024371
Anaplasmosis: treatment and management options available to the *veterinarian* and **herd** owner during an acute outbreak [Cattle]. 024465
Domokos Derzsy, 1915-1975 *[Veterinarians,* **Hungary**]. 024297
Brucella infections in **Illinois** *veterinarians* [Brucellosis]. 024581
In memoriam: Dr. Gijsbert Goedbloed *[Veterinarians,* **Netherlands**]. 024369
In memoriam: Jan Stapel *[Veterinarians,* **Netherlands**]. 024372
In memoriam: E. **Vleming** *[Veterinarians]*. 024370

VETERINARY
Veterinary **activities** in the field of nutrition and dietetics in Slovakia in 1971-1974. 023940
Annual meeting of the American Association of *Veterinary* **Antomists** Anaheim, California, July 13, 1975. 023230
Application and verification of SPOFA preparations in specific conditions in Algeria [Cattle, *veterinary* **drugs**]. 024381

Ultrasonic double technique as a diagnostic aid in *veterinary* **gynecology** and obstetrics with special regard to new techniques and its resulting range of utilization in clinic and practice. 024231
Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood *[Veterinary* **hematology].** 024333
The stader plan expands—beautifully! *[Veterinary* **hospitals].** 024393
The planning and construction of *veterinary* **investigation** laboratories in tropical and subtropical countries. II. Interior laboratory planning with provision for flexibility. 024373
The planning and construction of *veterinary* **investigation** lagladesh nch and other services. 024374
A *veterinary-controlled* **meat** and poultry inspection centre in Canada. 021978
Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the "Merckognost Harnstoff" method compared with an enzymatic, photometric method *[Veterinary* **medical** diagnostic techniques]. 024368
Veterinary **medicine** and the sciences of administration and organization. 024295
Drug interactions *[Veterinary* **medicine].** 024300
Small animal literature index *[Veterinary* **medicine].** 024335
The defence rights *[Veterinary* **medicine].** 024354
Specialization in *veterinary* **medicine:** viewpoint of a general practitioner. 024357
Specialization: when, where, how *[Veterinary* **medicine].** 024358
The implications of specialization in medicine [Includes *veterinary* **medicine].** 024359
Analysis of scientific activity in *veterinary* **medicine** from 1972 to 1974 in German-speaking areas based on title bibliography information service in veterinary medicine. 024362
Ethics and academia *[Veterinary* **medicine].** 024377
"Housecall service available" *[Veterinary* **medicine].** 024378
Deeper collaboration in *veterinary* **medicine** among the Mutual Economic Assistance countries participating in increasing animal production and protection of human health. 024383
Selenium-tocopherol in *veterinary* **medicine.** 024391
The logical use of anitbiotics *[Veterinary* **medicine].** 024619
Residual group [Anthelmintics, *veterinary* **medicine].** 024734
Miconazole nitrate: a new antifungal agent *[Veterinary* **medicine].** 024779
The Journal of Small Animal Practice *[Veterinary* **periodicals].** 024336
Trimethoprim in the horse *[Veterinary* **pharmacology].** 024310
Transport of sulfonamides into caprine [goat] erythrocyte *[Veterinary* **pharmacology].** 024317
Heart disease in dogs, 10 years of diagnostic activity at the Institute of *Veterinary* **Physiology.** 024902
The *veterinary* contribution to **public** health practice. 024312
A note on the clinical trial with *"Lazin-Veterinary"* in **sarcoptic** mange [Sarcoptes scabiei] in rabbits. 029019
Timely problems of *veterinary* **science.** 024774
Specialization of *veterinary* **service** in the Tachov district. 024386
Michigan dairymen indicate demand for *veterinary* **services** and client education. 024302
Responsibilities and activities of *veterinary* **staff** integrated in production. 024366
Acupuncture analgesia in *veterinary* **surgery.** First results. 024352
Exposure to Brucella abortus in *veterinary* **undergraduates** and graduates. 024752
Dystocias [of domestic animals] seen in the Clinic of Ankara **University** *Veterinary* Faculty, Obstetric and Gynecology Department in the period of 1963-1973. 024861
Veterinary **work** at a primate collection in kenya. 024375

VETIVERIA

Abnormal presence of hexyleneglycol in commercial essential oils of *Vetiveria* **zizanioides** and Cananga odorata. 022377
Abnormal presence of hexyleneglycol in the commercial essential oils of *Vetiveria* **[zizanioides]** and Cananga [odorata]. 026780

VIABILITY

The *viability* of the **eggs** of the African armyworm, Spodoptera exempta in laboratory cultures. 029337
Industrial dust and the *viability* of **pines** in suburban forests of Leningrad [Air pollution, forest damage]. 025035
Sclerotinia sclerotiorum: *viability* and **separation** of sclerotia from soil [Sunflowers]. 028061
Tetrazolium staining of seeds for interpretation of *viability* of **six** Indian tree species. 027319

VIBRATIONS

Mechanical properties influencing vibrations in blueberry canes *[Vibratory* **harvesters,** mathematical model]. 030145
Separation of thrashed cereal mass on a *vibrating* **screen.** 022732
Reducing losses of pressure in feed transporting in *vibrating* **tubes.** 030162

VIBRIO

Isolation, characterization and public health aspects of *Vibrio* **cholerae** NAG [Non Agglutinable] isolated from a Danish duck farm. 024458
Bovine abortion and low fertility caused by Campylobacter fetus subsp. **fetus** *(Vibrio* fetus var. Venerealis), a first case in Japan. 024486
Relationship of *Vibrio* **parahaemolyticus** in oysters, water and sediment, and bacteriological and environmental indices. 021929
Serological and hemolytic characteristics of *Vibrio* **parahaemolyticus** from marine sources [Oysters]. 021930

VIBURNUM

Studies on the constituents of flowers. IV. On the components of flower of *Viburnum* **ditatatum** Thunb. 026657

VICIA

Influence of isolation distance on genetic contamination of field **bean** *(Vicia* faba L.) seed produced in small plots. 026190
A comparison of the protein nutritive value and composition of four cultivars of faba **beans** *(Vicia* faba L.) grown and harvested under controlled conditions. 022145
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field **beans** *(Vicia* faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
Heterogeneity of heterochromatin in plants: comparison of Hy- and C-bands in *Vicia* **faba** [Broadbeans]. 026233
Role of membrane systems in the absorption of calcium by the roots of *Vicia* **faba** [broadbeans] (calcicolous) and Lupinus luteus [lupine] (calcufugous). 026704
Quantitative investigations on the nitrogen metabolism in higher plants. I. Mathematical models of nitrogen-metabolism of *Vicia* **faba** [Broadbeans]. 027141
Effect of calcium on the biosynthesis of phosphatidylcholine by microsomes prepared from *Vicia* **faba** [broadbean] roots. 027148
Polyadenylated RNA from *Vicia* **faba** [broadbeans] meristematic root cells. Localization and size estimation of the poly(A) segment. 027170
On a lectin from *Vicia* **graminea** seeds. 026438

VICINA *see* MOLLUSKS

VIGNA

Nitrogen fertilizer management for **cowpea** *(Vigna* unguiculata) production in Sierra Leone. 030568
Germination biology of *Vigna* **unguiculata** (L.) Walp. And Lablab purpurens (L.) Sweet. seeds under conditions of Turkmenistan. 026615

VILLAGES

Main features of the social and economic changes and the social regroupement of the agrarian population in some Transdanubian **cooperative** *villages.* 021117
Farmer, worker and city dweller: social change in a **Dutch** *village.* 021155
An economic perspective of *village* **electrification** programme in Pakistan. 029938
Waidoro—a Papuan village in an era of change. I. The *village* and its **neighbours.** 021148
Prairie *Village,* [Kansas], Commodity Office operations [Commodity Credit Corporation]. 021692
Ruralism as a way of life? Stratification and voluntary associations in a **Tuscan** *village.* 021146

VINBLASTINE *see* VINCALEUKOBLASTINE

VINCA

Quantitative determination of vincanidine in the roots of *Vinca* **erecta.** 026493

VINCALEUKOBLASTINE

Interaction of *vinblastine* with **calf** brain microtubule protein. 023482

VINEGAR

Substances having an opalescent effect on [wood] *vinegar* **acid.** 025336

VINES

Residual effect of soil fumigation with *vine* **burning** on control of Verticillium [albo-atrum] wilt of potato. 028060
Influence of trellising on growth and yield of 'Thompson Seedless' [grape] *vines* [in **California].** 027698
Studies on cold hardiness of **grape** *vines.* I. Studies on cold hardiness of grape varieties [Winter injury]. 027287
Control of gray mold (Botrytis cinerea): effects of new fungicides (effectiveness, residues, accumulation in soil, **grape** *vines* and grape products, toxicity, etc.). 028087
Synthesis of (7E,9Z)-7,9-dodecadien-1-yl acetate, a sex pheromone of [the European **grape** *vine* moth] Lobesia botrana. 028894
Examination of power machines of high output, which are applicable for **large-scale** *vine* plantations on sandy soil. 030098

VINEYARDS

Planning of demands for planting material for establishment of **new** *vineyards.* 021336
Soil [invertebrates] fauna of orchards and *vineyards* in **relation** to soil cover. 030228
Mtsvane kakhetinskii, a promising variety for a **true-rooted** *vineyard.* 027852
Bacterial canker [Agrobacterium **tumefaciens]** in *vineyards.* 028154
The *vineyards* in 1975. 027753

VINIFERA

Volatile constituents of grape leaves. I. **Vitis** *vinifera* variety 'Chenin Blanc'. 027108

VINYL

Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of *poly(vinyl* **alcohol-co-vinyl-sulfonic** acid). 025461
Identification of *vinyl* **chloride** in polyvinyl chloride and simulated food solvents. 021836
Gas-liquid chromatographic determination of *vinyl* **chloride** in vinyl chloride polymers, food-stimulating solvents, and other samples [Food packaging material]. 021913
Studies on the hydrolysis reaction of model substances of cellulose in the presence of a polymeric catalyst 4. Michaelis-Menten type catalytic behaviour of **poly(vinyl** *alcohol-co-vinyl-sulfonic* acid). 025461
The study of covering date by *vinyl* **tunnel** for strawberry. 027825

VIOLA

Geographical distribution of the cedar glade **endemic** *Viola* egglestonii. 025809

VIOLETS

The effect of caffeine on survival of **UV-[ultra** *violet]-irradiated* diploid yeast [Saccharomyces cerevisiae] strains of different sensitivities. 026227

VIRGIN

Response of laboratory animals to a fungus [Colletotrichum gloeosporioides aeschynomene] used as a biological herbicide[to control **Aeschynomene** *virginica* in rice]. 028495
Effect of processing, distribution and storage on Vibro parahaemolyticus and bacterial counts of oysters **(Crassostrea** *virginica).* 021923
Distribution of nitrogen forms in *virgin* and **cultivated** soils. 030528
Recapture of *virgin* **female** Caribbean fruit flies [Anastrepha suspensa] from traps baited with males. 028859
"Porapak Q" adsorption of airborne organic compounds by the *virgin* **female** of Choristoneura fumiferana (Clem.) (Lepidoptera, Tortricidae): Identification of E-(11)-tetradecenal, main sex pheromone for this species. 029272
Collection records of the project "mosquitoes of Middle America." 2. Puerto Rico (PR,PRA,PRX) and *Virgins* **Islands** (VI,VIA). 029634
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 2. Effect of age and storage conditions of *virgin* **queens** on their attractiveness to workers. 029803
Translocation of uranin in the symplasm of staminal hairs of **Tradescantia** *[virginica].* 026452

VIROIDS

Comparative studies of two viroids: analysis of potato spindle tuber and citrus **exocortis** *viroids* by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279
Piperonyl butoxide, a potent inhibitor of potato spindle **tuber** *viroid* in Scopolia sinensis. 028228
Comparative studies of **two** *viroids:* analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. 028279

VIROLOGY

An antigen in normal avian cells which **confuses** *virological* and serological tests [Chickens]. 024454
A study of outbreaks of Aujeszky's disease in cattle. I. *Virological* and **epidemiological** findings. 024396

VIRULENCE

Farther attenuation of the *virulence* of **Brucella** abortus 19with preservation of its immunogenicity [Cattle]. 024538
Bacillus penetrans n. Comb. Causing a *virulent* **disease** of plant-parasitic nematodes. 028383
Pathogenic races of potato wart [Synchytrium endobioticum (Schilb.) **Perc.]** and their *virulence.* 028019

VIRUSES

Purification and study of the antigens of equine infectious **anemia** *virus* produced in vivo or in cell culture. 024495
Transmission of equine infectious **anemia** *virus* by Tabanus fuscicostatus. 024587
Responses of isolator-derived Japanese quail and quail cellcultures to selected **animal** *viruses.* 024593
Studies on Japanese encephalitis live vaccine. II. Development of an attenuated strain of *virus* **(Anyang** strain) [isolated from new-born piglet]. 024692
Cydonia C 7-1 and Pyronia veitchii, two complementary indicators [Pears, **apples,** *viruses].* 028175
The genome of equine **arteritis** *virus.* 024767
Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK [chicken kidney] **attenuated** *virus.* 024482
Immunization against mucosal disease—**bovine** *viral* diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD-BVD. 024409
Investigation on the immunogenity of concentrated ethanol saponin vaccine against mucosal disease—**bovine** *viral* diarrhea. 024411
Effect of pH [hydrogen-ion concentration] on the growth andcytopathogenicity of avian infectious **bronchitis** *virus* in chick kidney cells. 024420
The polypeptide composition of avian infectious **bronchitis** *virus.* 024427

Experimental studies on the immunization of avian infectious **bronchitis** *virus:* immunogenicity of the CK [chicken kidney] attenuated virus. 024482
Preliminary vaccination trials with Mathura strain of infectious **bronchitis** *virus* of poultry. 024551
Characteristics of a Kenyan **camelpox** *virus.* 024603
Transmissible and non transmissible fruit deformation of quince [**caused** by *virus].* 028205
Viruses **causing** apple topworking disease (Taka tsugi byo) in Japan. 028210
Inclusions in mesophyll cells induced by a *virus* **causing** chlorotic streaks on leaves of Allium porrum L. [Leeks]. 028254
Mobility of normal and *virus-transformed* **cells** in cellular aggregates [Chick embryos]. 023496
Significance of **CELO** *virus* contamination of hatching eggs, in view of its oncogenic properties. 024414
Laodelphax striatellus as a vector of two **cereal** *viruses* in Italy. 028697
The production, propagation and distribution of *virus-free* **clones** of Narcissus tazetta cv. "Grand Soleil d'Or" [Varieties]. 028204
Virus **concentrations** and chlorophyll levels in celery plants affected by cucumber mosaic virus and alfalfa mosaic virus, after treatment with gibberellin. 028235
Infectious tenosynovitis (viral arthritis): characterization of a **Connecticut** *viral* isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. 024439
Virus **consideration** in land disposal of sewage effluents and sludge. 030956
Measures for **controlling** *virus* diseases of cattle in large herds [in Hungary]. 024646
Isolation in France and characterization of a porcine **corona-like** *virus* (vomiting and wasting disease) [Piglets]. 024683
Correlation of polypeptide composition with antigenic variation in the swine vesicular disease and **coxsackie** B5 *viruses.* 024659
Symptoms of star **crack** *virus* on the fruit and shoot growth of apple cultivars. 028200
Further studies on the occurrence of antibodies against **C-type** *virus* specific antigen in sera of cattle from leucosis-infected, suspicious and unsuspicious herds. 024797
Electron microscopy of *virus-infected* **cultivated** mushroom and of an ascomycete fungus. 028238
Multiplication if Venezuelan equine encephalitis (Mucambo) *virus* in **cultured** mosquito cells [Aedes aegypti, Aedes albopictus]. 024424
Control of forest pest insects by *viruses* [**Dendrolimus** spectabilis, Lymantria fumida, Lymantria dispar, Entomophthora]. 028942
Immunological relationships between two strains of mucosal disease/virus **diarrhea** *virus* [Calves]. 024410
A microtiter complement-fixation test for detecting and differentiating Newcastle **disease** *virus* strains. 024434
Methods of spread of velogenic viscerotropic Newcastle **disease** *virus* in the southern Californian epidemic of 1971-1973 [Chickens]. 024443
Newcastle **disease** *virus* pathogenesis in the respiratory tract of local or systemic immunized chickens. 024444
Preparation of Newcastle **disease** *virus* hemagglutination-inhibition test antigen [Chickens]. 024446
Response of congenitally immune chicks to viscerotropic velogenic Newcastle **disease** *virus.* 024449
Mid-piece abnormalities in bovine semen following experimental and natural cases of bovine ephemeral fever [a *viral* **disease** of cattle]. 024476
Specific B lymphocyte suppression by infectious bursal agent (Gumboro **disease** *virus)* in chickens. 024516
Further studies of foot-and-mouth **disease** *virus* strains under type group (A) by complement fixation test in Iran [Cattle]. 024548
Isolation of foot-and-mouth **disease** *virus* from recovered animals [Cattle, goats, sheep, buffaloes]. 024564
In vitro radiolabeling procedure which labels the proteins of Newcastle **disease** *virions* with carbon-14 [Chick embryos]. 024575
A high density component in several vertebrate enteroviruses [Swine vesicular **disease** *virus].* 024601
Variation among strains of type A foot-and-mouth **disease** *virus* in the Eastern Mediterranean region 1964-1972. 024606
Indirect complement fixation in foot and mouth disease (detection of foot and mouth disease antibody in cattle serums using inactivated concentrated foot and mouth **disease** *viral* antigens.). 024674
Isolation of Newcastle **disease** *virus* from the peacock. 024688
Apple proliferation *[virus]* **disease** in Spain: graft transmission and detection of mycoplasma and rickettsiaplasma-like organisms in infected tissue. 028170
Evidence of a [peach wart] *virus* **disease** causing deformed stones on the peach seedling GF 305. 028178
New evidences of the high sensitivity of Malus dawsoniana to apple proliferation *[virus]* **disease** and of its value for testing apple trees. 028187
Prolonged observations on spread and behaviour of proliferation *[virus]* **disease** in apple orchards. 028192
The effect of benomyl on the symptoms of apple proliferation *[Virus* **disease].** 028202
Studies on the [Canna] mottle *[virus]* **disease** of Canna indica L. 028251
Lymphosarcoma (leukemia) of cattle *[Virus* **diseases].** 024468
Initial [breeding] material of wheat resistant to *virus* **diseases.** 026258
Influence of temperature regime on *virus* **diseases** in cucumber. 028183
Pear decline like symptoms observed in France *[Virus* **diseases].** 028188
Stem witches' broom of fruits and forest trees *[Virus* **diseases].** 028197
Tetracycline therapy of pear decline and X-disease in peachand cherry *[Virus* **diseases].** 028201
The influence of oxytetracycline on the appearance of apple proliferation symptoms *[Virus* **diseases].** 028203
Viruses and *virus* **diseases** of irises in Britain. 028209
Rapid indexing procedures for detecting yellow speckle disease in grapevines *[Virus* **diseases].** 028267
Virus **diseases** detected in mushroom production. 028277
Leaf spot of black currants *[Virus* **diseases,** vectors]. 028287
Investigations on the etiology of cherry decline in the German Democratic Republic and the Moldavian Socialist Soviet Republic *[Virus* **diseases].** 028305
Epizootics of *virus* **diseases** of insects. 029015
In vitro synthesis of full-length DNA transcripts of Rous sarcoma virus RNA by *viral* **DNA** polymerase. 024671
A study of the sequences of chicken embryo lethal orphan (CELO) *virus* **DNA** present in a transformed hamster cell line with use of specific fragments of the virus genome. 024762
Comparative observations on maize rough **dwarf** *virus* and other planthopper-borne, reo-like viruses of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. 028158
Epidemiological problems of barley yellow **dwarf** *virus* in Hungary. 028160
Problems and possibilities for control of BYDV [barley yellow **dwarf** *virus]* in Britain [Aphids, vectors]. 028162
Occurrence and integrated control of **dwarf** *virus* disease in rice. 028214
Effects of early and late infectious of BYDV (barley yellow **dwarf** *virus)* on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. 028230
Photodynamic inactivation of virion-associated RNA transcriptase of rice **dwarf** *virus* catalyzed by azure B and its therapeutic effect on infected plants. 028242
The maize rough **dwarf** *virion.* I. Protein composition and distribution of RNA in different viral fractions. 028284
The maize rough **dwarf** *virion.* II. Seroligical analysis. 028285
Transmission of broad bean stain virus and **Echtes** *Ackerbohnenmosaik-Virus* to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of *viral* **egg** transmission by reovirus-infected broiler breeders. 024439
Laboratory studies of Venezuelan equine **encephalitis** *virus* in equines, Texas, 1971. 024590
Japanese **encephalitis** *virus* in pregnant swine. 024675
Susceptibility of chickens to avian **encephalomyelitis** *virus.* I. Clinical observation on day-old-chicks inoculated by various routes. 024490
Antibodies against Venezuelan equine **encephalomyelitis** *virus* in accidental human infections in Argentina. 024527
Plaque assay and primary isolation of influenza A *viruses* in an **established** line of canine kidney cells (MDCK) in the presence of trypsin. 024786
Viral **etiology** of mammary tumours. 024684
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocytic choriomeningitis] *virus.* I. **Experiments** with random-bred NMRI mice. 024801
Observations on "late onset disease" and tumor incidence in different strains of laboratory mice infected congenitally with LCM [lymphocyte choriomeningitis] *virus.* II. **Experiments** with inbred CBA/J mice. 024802
Distribution of *viruses* of the **fall** webworm [Hyphantria cunea] in soil. 028652
Feline *viral* rhinotracheitis in Japan—isolation of herpes type virus and pathologic picture [Cats]. 024630
Rolling round bottle culture of HmLu-1 cells and the production of bovine ephemeral **fever** *virus.* 024657
Increased susceptibility of Easter lilies to Pythium root rot as a result of infection by necrotic **fleck** *virus* complex. 027880
Stabilities of *viruses* **following** freezing and storage at low temperatures. 024534
Defective interfering particles of Semliki **Forest** *virus* generated in BHK [baby hamster kidney] cells do not interfere with viral RNA synthesis in Aedes albopictus cells. 029504
The maize rough dwarf virion. I. Protein composition and distribution of RNA in different *viral* **fractions.** 028284
Potato culture on a *virus* **free** basis. 028288
Possible relationships among pome **fruit** *viruses* detected in graft transmission trials. 028190
Biochemical and biological aspects of **fungal** *viruses.* 027966
Electron microscopic study of several **fungal** *viruses.* 027969
Some recent advances in the study of **fungal** *viruses.* 027980
Isolation and characterization of *viruses* from **fungi.** 028239
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of virus in plants. II. Examination of **further** *virus-host* combinations. 028257
The influence of pH [hydrogen-ion concentration] on the growth and stability of transmissible **gastroenteritis** *virus* in vitro [Swine]. 024426
A study of the sequences of chicken embryo lethal orphan (CELO) virus DNA present in a transformed hamster cell line with use of specific fragments of the *virus* **genome.** 024762
Growth, yield, and fruit quality of virus-infected and *virus-free* **Golden** Delicious apple trees. 028181
Observations on a **granulosis** *virus* of the potato tuberworm, Phthorimaea operculella. 028875
Isolation of IBR [infectious bovine rhinotracheitis] *virus* from a **heifer** with meningoencephalitis. 024706
Recent research on **honeybee** *viruses.* 029750
Virus **inactivation** by ethylene oxide containing gases [Cats]. 024402
Crop reduction in pear trees caused by *virus* **infection.** 028174
Results and application of a survey of *virus* **infection** in Narcissus stocks in Scotland. 028194
Cytoplasmic inclusions in yellowing parsley leaves [presumably due to a *virus* **infection].** 028212
Inhibitors of *viral* **infection** in sap from pea, broadbean and lucerne plants. 028223
Virus **infection** of potato seed stocks [by Myzus persicae] in Ontario under commercial insect-control practices. 028232
Demonstration of avian **influenza-A** *virus* in Iran by immunodiffusion technique. 024436
Swinepox, *virus* **isolation,** experimental infections and the differentiation from Vaccinia virus infections. 024425
Antibody survey of infectious bovine rhinotracheitis (IBR) *virus* in **Korean** native cattle. 024685
Apple **latent** *viruses:* transmission from herbaceous host tissue to Malus indicator plants and distribution in apple budwood. 028169
Growth response to **latent** *virus* infection of apple trees on seedling rootstocks. 028180
Plant species outside the genus Malus as indicators for **latent** *viruses* of apple. 028189
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the yellow orange **leaf** *virus* disease transmission. 028789
An unusual case of dilatation of the esophagus in a cat [Lymphosarcomas, feline **leukemia** *virus].* 024367
Testing and management of a specific pathogen free chicken flock with special reference to avian **leukosis** *virus* infections. 024400
Studies on *virus* **like** particles in Lentinus edodes [Mushrooms]. 028244
Virus **like** particles in fungi. 028248
Viruses of **lilies** and their control. 028211
Mosaic *[virus]* and **little** leaf of chili pepper. 028271
Immunization against mucosal disease—bovine viral diarrhea (MD-BVD) in calves applying lapinized vaccine against swine fever and a modified **live** *virus* of MD-BVD. 024409
Viruses and **meristem** culture of Nerine. 028208
Potato **mop-top** *virus* and its vector, [the powdery scab fungus] Spongospora subterranea. 027978
Concentration of the barley stripe **mosaic** *virus* during disease development. 028159
Influence of chloroform evaporation on isolation and infectivity of barley stripe **mosaic** *virus.* 028161
Relation between ectodesmata and infection of wheat leaves by wheat streak **mosaic** *virus.* 028163
Spreading of the **mosaic** *virus* on corn during vegetation. 028164
Sugarcane **mosaic** *virus* in sorghum. 028165
A member of the apple **mosaic** *virus* group occurring in Rubus. 028167
Two isolates of watermelon **mosaic** *virus* isolated from pumpkin leaves. 028213
A new Dow treatment is efficient in the control of hops arabis **mosaic** *virus.* 028215
Partial purification and serological relationship of three strains of bean yellow **mosaic** *virus* [Kidney beans, peas]. 028217
Strain changes in populations of tobacco **mosaic** *virus* from tomato crops. 028218
Studies on the cucumber **mosaic** *virus* in tobacco. 028220
Serological identification of cucumber **mosaic** *virus* by means of simplified precipitation tests (Short communication). 028221
The effects of gibberellic acid, 2-chloroethyl phosphonic acid (ethylene) and some growth retardants on the development of local lesions of tobacco **mosaic** *virus* in hypersensitive hosts of the genus Nicotiana. 028222
Virus concentrations and chlorophyll levels in celery plants affected by cucumber **mosaic** *virus* and alfalfa mosaic virus, after treatment with gibberellin. 028235
Model system for the adsorption of tobacco **mosaic** *virus.* 028240
Studies on the infection with cowpea **mosaic** *virus.* 028243
The entry and spreading of cucumber **mosaic** *virus* [Cowpeas]. 028245
The in vitro synthesis of viral protein and its regulation [Brome **mosaic** *virus].* 028246
Turnip yellow **mosaic** *virus-RNA* replication in Chinese cabbage. 028247
Investigation of alfalfa **mosaic** *virus* transmission through alfalfa seed. 028255
Studies on viral pathogenesis in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with tobacco **mosaic** *virus.* 028258

Effect of a non-localized infection by southern bean **mosaic** *virus* on a cell wall glycoprotein from bean leaves. 028260
Staining reactions of the tissue bordering lesions induced by wounding, tobacco **mosaic** *virus*, and tobacco necrosis virus in [kidney] bean. 028262
The nature of [kidney] bean yield reduction by bean yellow and bean common **mosaic** *viruses*. 028263
Occurrence an incidence of cucumber **mosaic** *virus* and alfalfa mosaic virus on celery in Israel. 028265
Pea enation **mosaic** *virus* resistance among commercial breeding lines of Pisum sativum. 028266
Resistance in Glycine max [soybean] to isolates of bean yellow **mosaic** *virus* in New York State. 028268
Wheat spindle streak **mosaic** *virus* in Kentucky. 028270
Variability of tobacco **mosaic** *virus* in relation to control of tomato mosaic in glasshouse tomato crops by resistance breeding and cross protection. 028272
Multiple molecular forms of catalase, peroxidase and acid phosphatase in Lycopersicum sp. with genetical and induced resistance against tobacco **mosaic** *virus* (TMV). 028276
Translation of alfalfa **mosaic** *virus* RNA's in mammalian cell-free systems. 028286
Systemic infestation by cucumber **mosaic** *virus* on kidney beans (Phaseolus vulgaris L.) in the German Democratic Republic. 028293
Dual infection of Roundel cherry with ring mottle and European rusty **mottle** *viruses*. 028177
Immunological relationships between two strains of **mucosal** *disease/virus* diarrhea virus [Calves]. 024410
Multiple viral infections of insect cells and host pathogenesis: **multicomponent** *viral* insecticides [Galleria mellonella, biological control]. 028653
Focus assay and defectiveness of avian **myeloblastosis** *virus* [Chick embryos]. 024764
Transmission of tobacco **necrosis** *virus* by Olpidium brassicae. 027984
Staining reactions of the tissue bordering lesions induced by wounding, tobacco mosaic virus, and tobacco **necrosis** *virus* in [kidney] bean. 028262
Unilateral cross protection among some **NEPO** *viruses* [Tobacco, Petunia hybrida]. 028206
Sonchus [oleraceus] yellow vein virus, a **new** *virus* disease of sowthistle. 028233
Effect of a **new** *antiviral* substance produced by Streptomyces rameus on plant virus infection, its foliar absorption andproperties [Tobacco]. 028237
An unusual **new** *virus*, possibly of the potyvirus group, from pepper in Nigeria. 028259
Nonoccluded *viruslike* particles in larvae of Culicoides cavaticus (Diptera: Ceratopogonidae). 029030
Identification of *virus* in **ornamental** Prunus in Belgium. 028275
Virus-like **particles** in shiitake mushroom, Lentinus edodes (Berk.) Sing. 028249
Studies on *viral* **pathogenesis** in plant hosts. VII. Symptoms and external morphology of 'Samsun' tobacco plants following systemic infection with tobacco mosaic virus. 028258
Equine infectious anemia: a new model of **persistent** *virus* infection [Horses]. 024842
Electron microscopical study of initial and final stages of fowl **plague** *virus-replication* in chick embryo cells. 024421
Host-range mutant of fowl **plague** *virus* (FPV): comparison of the genome and virus proteins. 024765
Polyadenylate sequences of fowl **plague** *virus* complementary RNA (cRNA) synthesized in vivo and in vitro. 024766
Effect of a new antiviral substance produced by Streptomyces rameus on **plant** *virus* infection, its foliar absorption andproperties [Tobacco]. 028237
Penetration of **plant** *viruses* into isolated tobacco leaf protoplasts. 028241
Rapid high-resolution immune electron microscopy of **plant** *viruses*. 028281
Planthopper-transmitted *virus* diseases of cereals in Sweden. 028698
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of virion proteins as a tool for detecting the presence of *virus* in **plants.** II. Examination of further virus-host combinations. 028257
Effect of hydrogen-ion concentration on the activity of inclusion bodies of Spodoptera litura nuclear **polyhedrosis** *virus* [Insect pests, biological control]. 028643
Bioassay of nuclear **polyhedrosis** *virus* against larval stages of Spodoptera litura (Fabricius) and the effect of protectants against ultraviolet light. 028674
Interaction of viruses of vertebrates and nuclear **polyhedrosis** *viruses* of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. 029317
Detection on nuclear **polyhedrosis** *virus* infection in Heliothis spp. by agar gell double diffusion. 029423
The effects of ulravolet irradiation on a Baculovirus [nuclear **polyhedrosis** *virus]* infecting Galleria mellonella. 029430
Application of disk-electrophoresis method to investigate tissues of silkworm [Bombyx mori] larvae infected by nuclear **polyhedrosis** *virus*. 029796
The analysis of bee moth larval tissue proteins by the method of electrophoresis in polyacrilamide gel [Honeybees, pests, biological control, **polyhedrosis** *virus]*. 029798
Some characteristics of infectious RNA from **potato** *virus* Y. 022209
Potato *A-virus* diagnosis by serological methods. 028256
Lack of **potato** *virus* S transmission via true seed in Solanum tuberosum. 028261
Some leguminous hosts for **potato** *virus* X [Gomphrena globosa]. 028269
Reconstitution of **potato** *virus* X in vitro. I. Properties of the dissociated protein structural subunits. 028282
Reconstitution of **potato** *virus* X in vitro. II. Characterization of the reconstituted product. 028283
Studies on propagation and cytopathogenicity of fowl **pox** *virus* (Beaudette strain) on chicken embryo fibroblasts. 024568
Further studies about the host range of sharka (plum **pox**) *virus*. 028179
Protection with some strains of sarka [plum **pox**] *virus*. 028193
Serodiagnosis of plum **pox** *virus*. 028195
Study of sharka [plum **pox** *virus]* spread pattern in some plum orchards. 028198
Examinations concerning the range of host plants of the plum **pox** *virus* (PPV). 028290
Experiments to verify the plum **pox** *virus* (PPV) by communicating it on Chenopodium foetidum Schrad. 028291
Preliminary identification of the *viruses* **producing** Spanishapricot pseudopox (viruela) and apricot mosaic diseases. 028191
The in vitro synthesis of *viral* **protein** and its regulation [Brome mosaic virus]. 028246
Host-range mutant of fowl plague virus (FPV): comparison of the genome and *virus* **proteins.** 024765
SDS [sodium dodecyl sulfate] polyacrylamide gel electrophoresis of *virion* **proteins** as a tool for detecting the presence of virus in plants. II. Examination of further virus-host combinations. 028257
Meristem culture for the production of *virus-free* **Prunus.** 028186
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes simplex virus types 1 and 2 and **pseudorabies** *virus* [Rabbits]. 024423
Effect of isoleucine deprivation on **rabbitpox** *virus* DNA synthesis in mouse L cells. 024602
Plaque assay of **rabies** *virus* on porcine kidney cell monolayers. 024592
Long-term perservation of transfecting activity of DNA isolated from **rat** *virogenic* XC cells transformed by Prague strain of Rous sarcoma virus. 024524
Characteristics and epidemiological scope of various rabies strains and serologically **related** *viruses*. 024700
The nature of the infectious agent of tobacco stunt *[virus]* in **relation** to its [fungus] vector, Olpidium brassicae. 027983
Viral **release** and membrane acquisition by budding through the nuclear envelope of hemocytes of the gypsy moth, Porthetria dispar. 029431
Comparative observations on maize rough dwarf virus and other planthopper-borne, **reo-like** *viruses* of Gramineae [Cicadelloidea, Fulgoroidea, vectors]. 028158
Immunoglobulins, antibodies and inhibitors of parainfluenza 3 *virus* in **respiratory** secretions of sheep. 024422
Stability of infectious bovine **rhinotracheitis** *virus* and it's immunity in Korean native calves. 024690
A leaf mosaic in the Russian apple clone R 12 740-7A connected with a strain of cherry necrotic **ringspot** *virus*. 028166
Spread and control of Prunus stem pitting [Peaches, tomato **ringspot** *virus*, transmitted by Xiphinema americanum]. 028196
Prunus necrotic **ringspot** *virus* as a multicomponent system. 028280
Photodynamic inactivation of *virion-associated* **RNA** transcriptase of rice dwarf virus catalyzed by azure B and its therapeutic effect on infected plants. 028242
The effect of two pathogens [Adelina, **RNA** *virus]* on a black beetle [Heteronychus arator] population in Kikuyu [Pennisetum clandestinum] pasture. 028784
Defective interfering particles of Semliki Forest virus generated in BHK [baby hamster kidney] cells do not interfere with *viral* **RNA** synthesis in Aedes albopictus cells. 029504
Cherry leaf **roll** *virus* in Sambucus ebulus L. 028173
Localisation of cherry leaf **roll** *virus* in Prunus avium x Prunus pseudocerasus rootstocks. 028185
Vegetative disorders in the Japanese plum trees on myrobalan rootstock in the province of Valencia (Spain) [Apricot chlorotic leaf **roll** *virus]*. 028207
Nucleotide sequences in the RNA of mammalian leukemia and **sarcoma** *viruses*. 024461
Regulation of sugar transport in chick embryo fibroblasts infected with a temperature-sensitive mutant of RSV [Rous **sarcoma** *virus]*. 024498
Long-term perservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of Rous **sarcoma** *virus*. 024524
The expression of avian Gs antigen in mammalian Rous **sarcoma** *virus-transformed* cells after treatment with 5-iododeoxyuridine and dexamethasone. 024525
In vitro synthesis of full-length DNA transcripts of Rous **sarcoma** *virus* RNA by viral DNA polymerase. 024671
Isolation of a *virus* from **sheep** and its classification as a serotype of ovine adenoviruses. 024798
Influence of double infections on the induction of thymidine kinase by UV [ultraviolet]-irradiated Herpes **simplex** *virus* types 1 and 2 and pseudorabies virus [Rabbits]. 024423
Anomalies in the behaviour of certain peach and apricot varieties grafted on different types of plum rootstocks and their possible relationship with the chlorotic leaf **spot** *virus*. 028168
Bark split disease of prune trees and its association with strains of apple chlorotic leaf **spot** *[virus]*. 028172
Transmission of broad bean **stain** *virus* and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by weevils [Sitona lineatus, Apion vorax, broadbeans]. 028219
A comparative study of the surface projections of different strains of vesicular **stomatitis** *virus*. 024600
Studies on **strawberry** *virus* diseases [transmitted by Chaetosiphon minor]: degeneration of strawberry in Hokkaido. 028273
Cytology of carnation **streak** *virus* infection [isolated from Silene armeria]. 028225
Differences between twisted leaf and tomato bushy **stunt** *virus* in sweet cherry. 028176
Host range and properties of tobacco **stunt** *virus*. 028229
Infectious **tenosynovitis** *(viral* arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. 024439
Improved performance of peach tree clone freed from ring spot *[virus]* by **thermotherapy.** Study of recontamination in the orchard. 028182
Effects of alarm pheromones [of Aphis craccivora or Myzus persicae] on aphid [Aphis craccivora] probing behavior and *virus* **transmission** efficiency [Cowpeas]. 028771
IXth International Symposium on Fruit **Tree** *Virus* Diseases, East Malling Research Station, Kent, 8-14 July 1973. 028184
Role of the **tristeza** *virus* in citrus die-back complex. 028250
Feline viral rhinotracheitis in Japan—isolation of herpes **type** *virus* and pathologic picture [Cats]. 024630
Influence of some physical factors on survival of Marek's disease **vaccine** *virus*. 024441
The effect of overlay medium on plaque formation of tissue culture-attenuated Newcastle disease (TCND) **vaccine** *virus* [Chicken embryos]. 024634
Pathomorphogical changes in lungs, intra-pulmonary lymphoid tissue and spleen in relation to aerosol vaccination of poultry with *virus* **vaccine,** LaSotta strain, against Newcastle disease. 024773
Swinepox, virus isolation, experimental infections and the differentiation from **Vaccinia** *virus* infections. 024425
Beet necrotic yellow **vein** *virus* and its relation to the fungus, Polymyxa betae. 027965
Sonchus [oleraceus] yellow **vein** *virus*, a new virus disease of sowthistle. 028233
Interaction of *viruses* of **vertebrates** and nuclear polyhedrosis viruses of insects with subcultured diploid embryonic cells of Drosophila [melanogaster]. 029317
Viruses and **virus** diseases of irises in Britain. 028209
Growth, yield, and fruit quality of *virus-infected* and **virus-free** Golden Delicious apple trees. 028181
Light and electron microscopy of broadbean **wilt** *virus* intracellular inclusions. 028252
First proof of broadbean **wilt** *virus* in the People's Republic of Poland. 028292
Passiflora foetida, a widespread host of passionfruit **woodiness** *virus* in Queensland. 028157
The response of various breeding lines of lettuce to beet western **yellows** *virus*. 026083
Effects of beet western **yellows** *virus* on crambe in the greenhouse. 028264
Virus **yellows** control accessible to every farm [Sugarbeets]. 028289

VISCACEAE

Permanent translocation heterozygosity in Viscum hildebrandtii Engl. and Viscum engleri Tiegh. *(Viscaceae)* in **East** Africa. 026128

VISCERAL

On the presence of estrogens in calves' **meat** and *viscera*. 021899
Prenatal development of the autonomic innervation to the **pelvic** *viscera* in ox (Bos taurus). 023444

VISCOSITY

Rheology of rye dough. III. Model test of clarification of *viscose* **behavior** in dough in rising temperatures. 022763
On the *viscous* **properties** of aqueous solutions of arabogalactan in Larix sibirica. 027321
Enzyme use to **reduce** *viscosity* and increase recovery of soluble solids from citrus pulp-washing operations [Oranges]. 022932

VISCUM

Cytological, cytochemical and histoautoradiographic study of *viscum* **album** L. (Loranthaceae). I. The seed, its germination and means of fixation on the host. 026066
Permanent translocation heterozygosity in Viscum hildebrandtii Engl. and *Viscum* **engleri** Tiegh. (Viscaceae) in East Africa. 026128

VISUAL

Spectral specific responses in the *visual* **behavior** of the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 029336
Use of expanded color scales to predict chemical and *visual* **changes** in solutions [Cranberry juice]. 022939
Evidence for direct projections between the ponto-mesencephalic tegmentum and the *visual* **cortex** in the cat as revealed by the horseradish peroxidase technique. 023350
The kind of a vessel that should be used for *visual* **estimation** of seeds [in breeding]. 026270
A comparison of the role of *vision* and **hearing** in lambs finding their own dams. 023246
X-ray **induced** *visible* alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera). Relation of radiation sensitivity to pronuclear chromosome structure. 029302

Investigation of the genetic processes in irradiated population. II. Influence of chronic X-irradiation on the concentration of *visible* **mutations** in laboratory populations of Drosophila melanogaster. 029495
Visual and **olfactory** responses in orientation to plants by the greenhouse whitefly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 028840
Ultraviolet-visible and **proton** magnetic resonance spectroscopy of flavonoids. 026584
Visual **stimuli** eliciting attraction of Rhagoletis pomonella(Diptera: Tephritidae) flies to [apple] trees. 028841
The retina-lamina projection in the *visual* **system** of the bee, Apis mellifera. 029779

VITALITY
Vitality of **Urzhum** swine. 023681

VITAMIN
Demonstration of gap junctions by lanthanum in the *vitamin* A **acid-treated** skin tumor, Keratoacanthoma [Rabbits]. 024838
Factors increasing the *vitamin* E **activity** of plant lipids [Soybean oil hydrogenation]. 022846
Modern trends in **analytics** of *vitamins*. 023939
Exploitation of some wastes of vegetable oils as sources of *vitamin* E in **animal** and poultry husbandry. 023944
Functional interrelations of *vitamins* E and K in **animal** metabolism [Nutrition]. 023945
Synthesis and some major functions of *vitamin* C in **animals**. 023243
Observations on the richness of *vitamin* C of **apples** and pears of the 1974 harvest in the Gembloux region. 022099
Some observations on the possible nutritional significance of *vitamin* **B12-and** folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. 023705
Cardiac structure and function in *vitamin* **B-12-deprived** rats. 022135
Chemistry of *vitamin* E and its **biological** derivatives. 022215
The effects of levels of calcium, phosphorus and *vitamin* D on **bone** deveopment and eggshell quality in modern laying hens. 023825
Vitamin **B6-responsive** and -unresponsive cystathioninuria: two variant molecular forms. 022206
Vitamin C and **cigarette** smokers. 022050
Effect of a high-concentrated **combined** *vitamin-preparation* (AD3E) on important parameters of the reproductive performance of the sow. 023965
Some aspects of **current** *vitamin* C usage: diminished high-altitude resistance following overdosage. 022046
Vitamin **D-dependent,** particulate calcium-binding activity and intestinal calcium transport. 022012
Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The induction of *vitamin* B12 **deficiency** and its effect on folate levels. 022061
Aflatoxicosis and *vitamin* D3 **deficiency** in ducklings. 024897
Effect of magnesium deficiency on responsiveness to 1-25 dihydroxycholecalciferol injection in *vitamin* D **deficient** rats. 022063
Influence of **dietary** *vitamin* E. 022197
Dietary *vitamin* E level, performance, tissue selenium and selenium balance in growing-finishing swine. 023889
Effects of lalpha-hydroxy- vitamin D3 and **1,25-dihydroxy-** *vitamin* D3 on calcium and phosphorus metabolism in hypoparathyroidism. 022159
Effect of *vitamin* A on the **effectiveness** of estrus synchronization in sows. 024262
Influence of **excess** *vitamin* E on vitamin A toxicity in rats. 024971
Studies on **experimental** *vitamin* A deficiency in chicks—clinical picture. 024845
Change in permeability of erythrocyte membranes in rodents caused by cod-liver oil, *vitamin* E, and **fatty** acids [Gerbils, rats]. 022133
Santoquin salts as stabilizers of carotene *[Vitamins* in **feed].** 023086
Current status of *vitamin* C and **future** horizons. 022030
Present questions on the biochemistry of *vitamin* E **[Human** and animal nutrition]. 022217
Studies on the oxidative catalytic activity of *vitamin* B12. VIII. **Inhibition** of papain by vitamin B12 in the presence of thiol compounds. 022212
Studies on the oxidative catalytic activity of *vitamin* B12. IX. **Inhibition** of yeast alcohol dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213
Stimulation in vitro by *1,25-dihydroxy-vitamin* D3 of **intestinal** cell calcium uptake and calcium-bindng protein [Rats]. 022205
Effects of **lalpha-hydroxy-** *vitamin* D3 and 1,25-dihydroxy- vitamin D3 on calcium and phosphorus metabolism in hypoparathyroidism. 022159
Fat source and *vitamin* E **level** of sow gestation diets: effects on alpha tocopherol and enzymes in plasma of dam and progeny and possible role of selenium [Swine, feeding]. 023818
Tissue changes induced by **marginal** *vitamin* C deficiency. 022049
Use of *vitamin* E in **medicine** [Includes human nutrition]. 022221
Vitamin B12 **metabolism** in the fruit bat (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. 022061
Twenty-four hour urinary excretion of *vitamins,* **minerals** and nitrogen by Eskimos. 022010
Studies on the renal uptake of *vitamin* D3 in the **mouse** and the quail. 023189
Vitamin E in the **nutrition** of livestock. 023948
Vitamin A **nutritional** status of rural community of Khol block in Haryana, North India. 022011
Effect of *vitamin* K3 on **photosynthetic** electron transport [Peas]. 027132
Changes in ascorbic acid metabolism of the offspring following high maternal intake of this *vitamin* in the **pregnant** guinea pig. 022027
Studies on the oxidative catalytic activity of vitamin B12. VIII. Inhibition of papain by *vitamin* B12 in the **presence** of thiol compounds. 022212
Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of yeast alcohol dehydrogenase by *vitamin* B12 in the **presence** of thiol compounds. 022213
A **primer** on *vitamins*. 022155
Vitamin E and **processes** of biological oxidation. 022222
Vitamin C and upper **respiratory** illness in Navaho children: preliminary observations (1974). 022051
Vitamin E, **selenium** and amino acids containing sulfur [Animal nutrition]. 023949
Vitamin E and **sex** behavior in mice [Dietary deficiency]. 022175
Biosynthesis of some water **soluble** *vitamins* during germination of Dolichos lablab (bitter variety). 027184
Providing the organism of cotton-picking machine operators with *vitamins* C and B2 during **spring-summer** period in Turkmenistan. 022114
Vitamin C **status:** methods and findings. 022052
Quantitative determination of **supplemental** *vitamin* C in mineral salt mixtures. 022225
Mineral and *vitamin* **supplementation** of cattle. 023870
Effects of selenium, chromium and antioxidants on growth, eye cataracts, plasma cholesterol and blood glucose in selenium deficient, *vitamin* E **supplemented** rats. 022182
Polarographic study of the reaction of *vitamin* K3 with **thiol** compounds in aqueous ethanol. 022143
Influence of excess vitamin E on *vitamin* A **toxicity** in rats. 024971
Inability of chronic alcoholics with liver disease to use food as a source of folates, thiamin and *vitamin* B6. 022003
Large-scale trials of *vitamin* C. 022037
Panel discussion *[Vitamin* C]. 022040
Second conference on *vitamin* C. 022045
Hazards of overuse of *vitamin* D. 022078
Metabolism and biological activity of cis-and trans-phylloquinone in the rat *[Vitamin* K]. 022140
Vitamin C. 022169
Nutritive studies on the utilization of beta-carotene in rats. 1. Effects of hydrolyzed iodinated-casein on the conversion of beta-carotene into *vitamin* A. 023718

VITAVAX
Cytological effects of fungicides, plantvax and *vitavax* on **somatic** cells of Allium cepa [Onions]. 027945

VITICULTURE
Reserves for the effective use of transport **means** in *viticulture*. 021337
Wind and storm damages to bird controlling **nets** *[Viticulture].* 028436
Some characteristics of **peasant** *viticulture* in Hungary during the 18th to 19th centuries. 027655
Agricultural census in 1971/72. 8. *Viticultural* **survey** in 1972/73. 021660

VITIS
Ethylene as a stimulator of ripening for **Vaccinium** *vitis-idaea*. 027213
Volatile constituents of grape leaves. I. *Vitis* **vinifera** variety 'Chenin Blanc'. 027108

VITRO
Differentiation of apical cells in callus of Pteris creticaL. cultivated in *vitro*. **Acquistion** of secific characters. 025967
Uridine diphosphate glucose synthase from calf liver: determinants of enzyme **activity** in *vitro*. 023307
Aminoglutethimide and glutethimide: effects on 18-hydroxycorticosterone biosynthesis by human and sheep **adrenals** in *vitro*. 023176
Observations of additional divisions in pollen grains of homozygous wheat plants (Triticum aestivum L.) obtained by **androgenesis** in *vitro*. 026920
Positive inotropic effect of insulin on rabbit **auricle** in *vitro*. 023263
Reconstitution of potato virus X in *vitro*. II. **Characterization** of the reconstituted product. 028283
The behavior of fibroblasts from the developing avian cornea. Morphology and movement in situ and in *vitro* **[Chick** embryos]. 023499
New results on anther culture of wheat (triticum aestivum L.) in *vitro:* **conditions** of regeneration of haploid plantletsand production of homozygous lines. 026919
Correlations and morphogenesis in Chara vulgaris L. [Algae] **cultivated** in *vitro*. 026827
In *vitro* **culture** of the proximal tubule of the bovine nephron. Transmission and scanning electron microscopy. 023359
In *vitro* **culture** of wheat. III. Anther culture of the A genome aneuploids in common wheat. 026304
In *vitro* **culture** of some hybrid cultivars of Weigela (Thun) from meristems. 027150
Propagation of Dioscorea floribunda from in *vitro* **culture** of single-node stem segments [Culture]. 027730
The effect of 3-indolylacetic acid on the accumulation of starch in the root tissue of Cichorium intybus L. [Chicory] **cultured** in *vitro*. 027097
Influence of hydroxyurea on nucleic acids content and 3H [tritium]-uridine incorporation in callus and tumorous tobaccotissues and **cultured** in *vitro*. 028699
The haemocytes of themosquito Aedes albopictus and their comparison with larval cells **cultured** in *vitro*. 029013
Recent orientations in the study of insect pathogens in in *vitro* **cultured** cells [Disease vectors, biological control]. 029016
Moulting hormone and cuticle synthesis by epidermal cells of in *vitro* **cultured** cockroach embryos [Blabera cranifer]. 029271
Photoreversible binding in *vitro* of **cytosolic** phytochrome to particulate fraction isolated from pea epicotyls. 027278
Stimulation in *vitro* by **1,25-dihydroxy-vitamin** D3 of intestinal cell calcium uptake and calcium-bindng protein [Rats]. 022205
In *vitro* **effect** of acidity levels on xylem differentiation in Plumeria [rubra]. 026530
Effects of lipids on the stability of lysosomes in *vitro*. I. **Effects** of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and. 023403
The role of calcium ions in fertilization of mouse and rat **eggs** in *vitro*. 024131
Effect of anti-herpesvirus drugs on human and bovine lymphoid **function** in *vitro*. 024573
In *vitro* **growth** of tissues and cells cultures from apple fruits. 027146
A leukocyte migration inhibition assay technique using blood clot fragments in *vitro* **[Guinea** pigs, immunization]. 023397
In *vitro* **hatching** of the tapeworm Moniezia expansa (Cestoda: Anoplocephalidae) and some properties of the egg membranes [Sheep]. 024789
Effects of cholecalciferol on the translocation of calcium by non-everted chick **ileum** in *vitro*. 023275
Influence of acute tissue injury on in *vitro* **incorporation** of 6 5 Zn [zinc isotopes] by sheep erythrocytes. 024966
Alteration in human granulocyte function after in *vitro* **incubation** with L-ascorbic acid. 022016
Culture of embryonic cells and hemocytes of cockroaches [Periplaneta americana] of parthenogenetic origin. In *vitro* **maintenance** of haploid and aneuploid formulas. 029351
The influence of prostaglandins on the in *vitro* **motility** of the oviduct of the laying hen. 024256
In *vitro* and **mouse** evaluation of methods for protecting whey protein and casein from ruminal degradation. 023508
Regulation of in *vitro* **mRNA** transcription by a fraction of chromosmal proteins [Chickens]. 023488
Influence of concanavalin A, wheat germ agglutinin, and soybean agglutinin on the fusion of **myoblasts** in *vitro*. 026977
Chemical composition and in *vitro* **nutrient** digestibility of some of the tree leaves. 023037
The effect of prostaglandin F2alpha and oxytocin on **porcinemyometrium** in *vitro*. 024275
Effects of oestradiol and progesterone on the in *vitro* **production** of prostaglandin F2alpha by the guinea-pig uterus. 024044
Reconstitution of potato virus X in *vitro*. I. **Properties** of the dissociated protein structural subunits. 028282
In *vitro* **radiolabeling** procedure which labels the proteins of Newcastle disease virions with carbon-14 [Chick embryos]. 024575
The in *vitro* **sensitivity** of some species of Chlorophyceae [Algae] to a selected range of herbicides. 028604
New inhibitors of methane production by rumen micro-organisms. Development and testing of inhibitors in *vitro* **[Sheep].** 023317
Filament formation in *vitro* of a **sieve** tube protein from Cucurbita maxima and Cucurbita pepo [Winter squash, pumpkins]. 027276
Influence of physical factors on the growth of insect cells in *vitro*. II. **Sodium** and potassium as osmotic pressure regulators of moth cell growth. 029370
Antifungal activity of 'choti dudhi' plant (Euphorbia prostrata Ait. and Euphorbia thymifolia Linn.) against certain dermatophytes. I. In *vitro* **studies** [Mycotic dermatitis, control]. 024561
An in *vitro* **study** on lymphocyte-mediated immunity in mice experimentally infected with Toxoplasma gondii. 024625
The influence of pH [hydrogen-ion concentration] on the growth and stability of transmissible gastroenteritis virus in *vitro* **[Swine].** 024426
In *vitro* **synthesis** of full-length DNA transcripts of Rous sarcoma virus RNA by viral DNA polymerase. 024671
In *vitro* **synthesis** of cytokinins in isolated roots of lupine (Lupinus albus L.) treated with leaf extracts. 026918
The in *vitro* **synthesis** of viral protein and its regulation [Brome mosaic virus]. 028246
Double chain sequence of RNA obtained through in *vitro* **transcription** of wheat DNA by Escherichia coli RNA polymerase. 026917

Effects of *in-vitro* **treatment** of boar spermatozoa with TEPA [tris(1-aziridinyl)phosphine oxide] on the fertilization and development of pig eggs. 024118
Purine metabolism pathway in Drosophila melanogaster cells grown in *vitro:* **utilization** of adenosine. 029273
Blocking the formation of N-nitroso compounds with ascorbicacid in *vitro* and in **vivo** [Caricinogens]. 022026
Polyadenylate sequences of fowl plague virus complementary RNA (cRNA) synthesized in **vivo** and in *vitro.* 024766

VIVO
Some physiological characteristics of motility in the in *vivo* **avian** oviduct [Chickens]. 024039
Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, *ex-vivo-perfused,* **canine** stomach. 023614
Blocking the formation of N-nitroso compounds with ascorbicacid in vitro and in *vivo* **[Caricinogens].** 022026
The kinetics of incorporation in *vivo* of **[14C][carbon** isotope] acetate and [14C]carbon dioxide into the fatty acids of glycerolipids in developing leaves [Corn, peas, spinach]. 026905
Purification and study of the antigens of equine infectious anemia virus produced in *vivo* or in **cell** culture. 024495
A quantitative investigation of symplasmic transport in Chara corallina. III. An evaluation of chemical and freeze-substituting techniques in determining the in *vivo* **condition** of the plasmodesmata [Algae]. 026439
In-vivo **diagnosis** of right renal aplasia in a pekingese bitch. 024915
Conformational changes in spinach (Spinacia oleracea) leaves chloroplasts in *vivo* [when **exposed** to red or blue light]. 027093
The in *vivo* **metabolism** of [14C [carbon isotope]] histamine during pentagastrin-stimulated acid secretion in the cat. 023555
In *vivo* **modification** of milk fat and body fat composition in ruminants; a review. 023588
In *vivo* **studies** of the site of fatty acid synthesis in the rabbit. 023448
In *vivo* **transfer** of R factors between Escherichia coli strains inoculated into the rumen of sheep. 024605
Polyadenylate sequences of fowl plague virus complementary RNA (cRNA) synthesized in *vivo* and in **vitro.** 024766

VOCAL
Vocal **reactions** of chickens to different parameters of electrical stimulation of midbrain. 023524

VOCATIONS
Research on **agricultural** *vocational* mobility. Dead ends andsolution methods. 021144
Modern *vocational* training in nutrition. 022223

VOLATILE
Identification and ratio of *volatile* **acids** in [food] conservation. 022378
Modification of content of *volatile* **admixtures** in hydrolysates during their processing [Terpenes, furfurol]. 025315
Radio gas chromatographic analysis of *volatile* **aldehydes** originating from soybean and oat lipoxygenase linoleic acid oxidation. 022850
Olfactory discrimination by honeybees [Apis mellifera] of terpenes identified from *volatiles* of **alfalfa** flowers. 029819
Volatile **amine** production in uncured pork during storage. 022690
The use of activated charcoal for the concentration and analysis of headspace vapours containing food **aroma** *volatiles.* 022514
Production of ethylene and other *volatiles* and **changes** in cellulase and laccase activities during the life cycle of the cultivated mushroom, Agaricus bisporus. 027194
Effect of process conditions in freeze drying on retention of *volatile* **components.** 022449
The retention of *volatile* **components** during freeze drying: a structurally based mechanism. 022468
Studies on the juice qualities of subtropical fruits. I. Seasonal changes of organic acids, sugars and *volatile* **components** in Ponkan and Tankan [Citrus]. 022883
Effect on microorganisms of *volatile* **compounds** released from germinating seeds. 026453
Extraction and concentration of the *volatile* **constituents** of cereals grains with a view to their analysis by gas chromatography. 022739
Volatile **constituents** of tamarind (Tamarindus indica L.). 022921
Volatile **constituents** of Cupressus stephensonii heartwood. 025473
Volatile **constituents** of grape leaves. I. Vitis vinifera variety 'Chenin Blanc'. 027108
Digestibility and *volatile* **fatty** acids in steers and wethers at 21 and 32 Celsius ambient temperature. 023506
Effects of frequency of feeding on ruminal pH [hydrogen-ionconcentration] value, concentration and molar proportion of *volatile* **fatty** acids, and dry matter digestibility. 023781
Chewing time and *volatile* **fatty** acid production in steers [Feed roughage]. 023856
Production of **flavor** *volatiles* in enzyme and substrate enriched peanut homogenates. 022785
Volatile **flavour** components of watercress. 022954
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by **fungistatic** *volatiles* in soils. 030192
A method for determining the *volatility* of **herbicides.** 028607
Occurrence of *volatile* **nitrosamines** [known to be carcinogenic] in spice premixes [Meat products]. 022687
Trial-following by the army ant, Neivamyrmex nigrescens: responses by workers to *volatile* **odors.** 029223
Volatile **phytotoxic** substances formed by litter of Pinus radiata [inhibiting seedling growth of white clover and Lolium perenne]. 028397
Classification of lager beers by computer analysis of *volatile* **profiles.** 022543
Effect of *volatile* **substances** from species of Labiatae on rhizospheric and phyllospheric fungi of Phaseolus vulgaris [Kidney beans]. 030282
Possibilities of error in the detemination of *volatile* **sulphur** compounds [Beer]. 022400
Effect of geraniol on levels of *volatile* **terpenoid** compounds produced by apples during cool storage [Low temperature breakdown]. 022944

VOLCANOES
Soils derived from *volcanic* **ash** in Central America. 2. Soils more developed than Andepts. 030345
Relationships between the inorganic colloid and the parent material of some *volcanic* **ash** soils in Miyagi and Iwate prefectures, Japan. 030353
Relationships between particle size and mineral composition of *volcanic* **ashes** [Soils]. 030376
Determination of fluorine in *volcanic* **rocks** from Filicudi and Alicudi (Aeolian Islands, southern Italy) and in geochemical reference materials. 030199
Development of ligneous weeds on *volcanic* **soils** in pure stands and those mixed with Gramineae [Chile]. 025856
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the **well-drained** *volcanic* ash soil of the Tokachi region under two moisture levels. 028430

VOLES
Some observations on the Japanese **field** *vole,* Microtus montebelli (Milne-Edwards) in captivity. I. Postnatal growth and development [Forest pests]. 025016
Hazards to predators feeding on **prairie** *voles* killed with zinc phosphide [rodenticide]. 029141
Apple trees protected from *voles* with **thiram.** 028437

VOLTAGE
Effect of network voltage change on regulation of fan revolutions by means of **changed** *voltage* [in stables]. 029893
Mitochondrial structure studied by **high** *voltage* electron microscopy of thick sections of Candida utilis [Yeasts]. 026026
Effect of **network** *voltage* change on regulation of fan revolutions by means of changed voltage [in stables]. 029893

VOLUMETRY
Effect of initial kLa *[volumetric* **oxygen-transfer** coefficient] on the growth of tobacco cells in batch culture. 026978
Volumetric **tables** of trunks for pine stands in the Briansk Forest Massif. 025107

VOMITING
Isolation in France and characterization of a porcine corona-like **virus** *(vomiting* and wasting disease) [Piglets]. 024683
Vomiting and **wasting** disease in piglets in Switzerland. 024716

VULCANIZATION
Model tests on the mechanisms of microbial deterioration of **filled** *vulcanizates.* 3. Influence of soil microorganisms on the surface of natural rubber vulcanizates. 022479

WAFER
Determination of particle length in cobs and *wafers* **[Separator** equipment]. 030143

WAGES
Note on impact of new technology on employment and *earnings* of **rural** labour. 021244

WAGONS
Wagon **rack** for silage-feeding. 029966

WALL
Clay minerals in the **altered** *wall-rocks* of Mosabhoni coppermines, Singbhum District, Bihar. 030303
Ultrastructural study of asci: *wall,* **apical** apparatus, ascospore wall in inoperculate Discomycetes and Hysteriales [Fungi]. 026041
Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae [yeasts]: meiosis with defective **ascospore** *wall* formation. 026197
Changes in *cell-wall* **carbohydrates** and lignin of some forage-type millets [pearlmillet, durra, Pennisetum purpureum] asaffected by growth stage. 026985
Determination method of digestibility of forage dry matter and **cell** *wall* constituent by artificial rumen—neutral detergent treatment. 023873
Studies on the supermolecular structure of **cell** *wall* components. 4. Composition of the fractions from ion exchange chromatography [Picea abies, holocellulose]. 025492
Longitudinal shrinkage of compression wood [of Pinus silvestris] in dependence on water content and **cell** *wall* structure. 025934
Study of **cell** *walls* of Candida yeast. 026007
Ultrastructure and chemistry of Epidermophyton floccosum **cell** *walls* [Pathogenic fungi]. 026015
Enzymic analysis of **cell** *wall* structure in apple fruit cortical tissue. 026042
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. **Cell** *wall* lysis and microfilament-associated mating structure activation in wild-type and mutant strains. 026200
Polysaccharide from **cell** *walls* of Chlamydomonas reinhardtii[Algae]. 026756
Enzyme to break down lettuce endosperm **cell** *wall* during gibberellin- and light-induced germination. 027217
Cell *wall* glycoproteins and polysaccharides of mature runner beans. 027243
Cell *wall* glycoproteins and polysaccharides of parenchyma of Phaseolus coccineus [Runner beans]. 027244
Release of hydrolytic enzymes from the **cell** *walls* of intact and disrupted carrot callus tissue. 027280
Molecular sizes of polysaccharides liberated from **cell** *wall* [plant]-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot Pseudomonas [marginalis]. 028132
Effect of a non-localized infection by southern bean mosaic virus on a **cell** *wall* glycoprotein from bean leaves. 028260
Activity of faecal fluid of a leaf-cutting ant [Atta colombica tonsipes] toward plant **cell** *wall* polysaccharides. 029404
Ultrastructural characteristics of embryo **cellular** *walls* obtained from protoplasts of Antirrhinum majus. 026065
Fine structure of vas **deferens** *wall* in the mite, Pergamasusviator Halas, (Mesostigmata, Parasitidae). 029191
The structure of saponins from rhizomes of Dioscorea **deltoidea** *Wall.* 026430
Observations with cytochemistry and ultracryotomy on the fine structure of the **expanding** *walls* in actively elongating plant cells [Mung beans, pea, celery]. 026024
Soluble and *wall-bound* **glycoproteins** of apple fruit tissue. 027251
Hymenolepis nana var. Fraterna (Cestoda, Hymenolepididae) in Leucophaea maderae (Dictyoptera, Blattidae) crossing of the **gut** *wall.* 028991
Chemical composition of the **hyphal** *wall* of a toxigenic fungus, Penicillium rubrum stoll. 026646
Solution of anticorrosive protection of **inner** *walls* of fecal tanks. 029896
Lead and active calcium transfer through the **intestinal** *wall* in rats. 025000
Pressure of granular material on *wall* of **model** silo. 029915
Lateral behavior of a double sheet **pile** *wall* structure [Soil reaction]. 030357
Ultrastructural study of the *wall* of **Polysiphonia** elongata (Harv.) [Algae] Rhodophyceae, Floridea, with the help of actions of enzymes. 026032
Chemical and structural differences in mycelial and **regeneration** *walls* of Trichoderma viride [Fungi]. 026375
The mechanism controlling the crossing of the vector's **stomach** *wall* by microfilariae (Dipetalonema desae-Aedes aegypti). 029278
Enzymatic improvement of date quality. Use of invertase to improve texture and appearance of **"sugar** *wall"* dates. 022950
The hydraulic function of intramyocardial fluids subject to the erectile properties of the **ventricular** *wall* of mammalian hearts [Dogs]. 023679
Six years of measurements of *wall* **wetting** by driving rains in Braunschweig-Volkenrode [Agricultural structures]. 029944
Wall **works** on the farmhouse. 029930

WALNUTS
Uptake, distribution, and degradation of simazine by **black** *walnut* [Juglans nigra] and yellow-poplar [Liriodendron tulipifera] seedlings [Herbicides]. 028624
Bibliography of the codling moth [Laspeyresia pomonella, **fruits,** *walnuts].* 028152
Walnut **harvest** and preliminary treatment for storage. 022981
Host race formation among sympatric apple, *walnut,* and **plum** populations of the codling moth, Laspeyresia pomonella. 028817
Some recommendations concerning the *walnut* **tree** [Juglans] in our country. 025234
World *walnut* crop up [Production]. 021647

WARBLE
The larval development of the *warble* **fly** Oestromyia leporina Pall. (Diptera, Hyodermatidae). 029077

WARMTH
The influence of duration of *warm,* **cold-dry** and cold-moist storage on development and flowering of Freesia plants. 027090
Yield response [of field crops and vegetables] to **soil** *warming:* economic feasibility [of utilizing energy production waste waters]. 021363
Yield response to **soil** *warming:* agronomic crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 026895

Yield response to **soil** *warming:* vegetable crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 027106
Warm **water** economics in breweries. 022397
Development of subterranean heating and *warm* **water** utilization for horticulture. 029901

WARTS *see* PAPILLOMA

WASHING
Enzyme use to reduce viscosity and increase recovery of soluble solids from **citrus** *pulp-washing* operations [Oranges]. 022932
Displacement *washing* of packed beds of cellulose fibres. 1. Mathematical model. 025484
Determining optimum productivity of equipment for *washing* **parts** in machine repairing. 030157
Washing of **pulps.** 2. The sorption of Na, Mg and Ca [sodium, magnesium, calcium] on kraft pulp. 025497
Washing of **pulps.** 3. Transfer rates of dissolved sodium andlignin from pulps in a dilute, agitated suspension. 025498
Influence of *washing* on the **shelf** life of cod. 022536

WASPS
The behaviour of some **bembicine** *wasps* [Xerostictia longilabris] of southern Arizona (Hymenoptera: Sphecidae, Microbembex, Glenostictia, Xerostictia). 029492
Coming of the **giant** *wasps* [Hymenoptera]. 029242
Influence of different sucrose syrup concentrations and presence of species members on the foraging behaviour of *wasps* **(Hymenoptera:** Vespidae). 029338
Device for continous recording of variations in the weight of *wasp's* **nests** [Paravespula germanica]. 029374
On the nature of the sounds produced within the nest of the *wasp* **Paravespula** germanica F. 029380
Induction of melanotic tumors in larvae of Drosophila affinis parasitized by the *wasp,* **Pseudeucoila** bochei. 029425
The attractiveness to bees [Apis mellifera] of **synthetic** *wasp* [Vespula] attractants. 029830

WASTE
Aerobic stabiliztion of *waste* **activated** sludge: an experimental investigation [Sewage disposal]. 030870
Disposal of **agricultural** *waste* by controlled burning—a regulatory viewpoint [Air pollution]. 030917
The economic reasibility of processed **animal** *waste* [Feed]. 023081
Waste **cellulose** as an energy source for animal protein production [Feed]. 023080
Utilization of edible protein from meat industry by-products and *waste.* V. The **characterization** of extracted proteins, using polyacrylamide gel electrophoresis. 022505
Pectins as potential by-products of **coffee** *waste.* 022493
Ecological chemical evaluation of waste treatment procedures: the behavior of xenobiotics in *waste* **composting.** 030877
The concept of *'waste'* and the **conservation** of nature. 030865
Modeling the effect of *waste* **discharges** in a small mountain stream [Water quality control]. 030818
The use of algal assays to determine effects of *waste* **discharges** in the Spokane River system. 030862
Isolation in France and characterization of a porcine corona-like virus (vomiting and *wasting* **disease)** [Piglets]. 024683
Vomiting and *wasting* **disease** in piglets in Switzerland. 024716
Ventilation, **feed** *waste,* breakage [Raising poultry]. 023114
Aspects of **herd** *wastage* in New Zealand dairy herds [Farm management]. 021259
Colloidal lignin and the method of detecting it in **hydrolysis** *wastes.* 025300
Control of **livestock** *waste* odors. 030913
Odor measurement for livestock feeding operations *[Waste* **management,** feedlots]. 030921
Yield response [of field crops and vegetables] to soil warming: economic feasibility [of utilizing energy **production** *waste* waters]. 021363
Yield response to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of energy **production** *waste* waters]. 026895
Yield response to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of energy **production** *waste* waters]. 027106
Straw: from *trash* to **productive** feed. 023056
Putting *waste* water to work [Fertilizer utilization]. 030443
Recirculation of centrifugate in mechanical dehydration of poultry excrements *[Waste* **removal].** 029983
Nutritional evaluation of protein from shrimp cannery effluent **(Shrimp** *Waste* Protein). 023748
Solid *waste* management methods and costs in independent retail food stores. 030928
An analysis of the generation of household **solid** *wastes* from consumption [Pollution]. 030957
The use of decomposed pine bark *[waste]* as a **substrate** for growing Gerbera. 030406
Biological treatment of concentrated **sugarbeet** *wastes.* 030871
Availability of nutrients in **swine** *waste* [Feed]. 023883
Swine *waste* nutrient recycling [Drinking water]. 023902
Meal from **tannery** *wastes* in swine rations. 023958
The role and regularities of the process of biosorption when **treating** *waste* waters of [wood] hydrolisis. 025350
Treating *waste* air from swine barns. 030936
Ecological chemical evaluation of *waste* **treatment** procedures: the behavior of xenobiotics in waste composting. 030877
From city to farm: **urban** *wastes* and the American farmer [Fertilizers utilization, history]. 030413
Utilizing *waste* waters of Voroshilovgrad for irrigation. 030747
Exploitation of some *wastes* of **vegetable** oils as sources of vitamin E in animal and poultry husbandry. 023944
Biological, physical and chemical methods in the purification of *waste* **water.** 030894
Study of contamination and purification of *waste* **waters** from dairy farms and milk processing enterprises. 030960
Wood *waste* [utilization]. 025270
Methods of establishing optimum dimensions of production in the utilization of low-grade lumber and **wood** *waste.* 025396
Boll weevil [cotton pests, control]: survival in hibernation cages and in surface **woods** *trash* in central Texas. 028748

WASTEWATERS *see* WATER

WATER
On the problem of isolation of pyrocatechol from gas-generated **acid** *water* [Wood technology]. 025406
Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the *water-splitting* **activity** in photosynthesis [Spinach, wheat]. 026406
Removal of detergent fluorescent whitening **agents** from *wastewater.* 030933
How does the [West German] state **aid** *water* management and agricultural projects? 021772
Removal of phytoplankton **[Algae]** from *water.* 030985
Assessing treatment process efficiency [in *wastewater]* with the **algal** assay test [Selenastrum capricornutum]. 030855
Models of land and *water* **allocation** to improve environment and water quality through soil loss controls. 030792
Studies on the development of spontaneous vegetation of **anthropogenic** *waters* in the recultivation area of open lignite mines in the Rhine area. 025875
Concentration of helium in **artesian** *water.* 030980
Effects of simazine applicatins and *watering* on **asparagus** seedlings [Weed control]. 028554
Water **balance** of small lactating rodents. II. Concentration and composition of milk of females on ad libitum and restricted water intakes. 023379
Thermal disturbance of *water* **balance** in wheat in models of natural weather complexes. 026951
Analytic model of the structure of the *water* **balance.** 030751
The effect of agricultural activity on the *water* **balance.** 030780
Water **balance** investigations in regions of well-developed irrigated agriculture (exemplified by the Syr-Darya basin). 030783
Defence substances of arthropods. LIX. Platambin, a defence substance of the *water* **beetle** Platambus maculatus (Coleoptera: Dytiscidae). 029439
Effect of *water* and **BHT** [butylated hydroxytoluene] on stability of cottonseed oil during frying. 022790
Utilization of rice straw by *water* **buffalo** when supplemented with molasses and urea. 023847
Anomalous transmission of *water* through **certain** peats—a discussion. 030231
Water **chemistry** and fertility of twenty-three Connecticut lakes. 030638
LANDSAT measures of *water* **clarity.** 030696
Hydrographically conditioned floristic and vegetation limits in Icelandic **coastal** *waters* [Algae]. 025878
On the chemical characterization of *water* from **collector-drainage** system in the Mary and Chardzhou Regions. 030661
Snow management for *water* **conservation** in Wyoming. 030708
Water **conservation** by snow management in North Dakota. 030712
Water **consumption** and provision of Moscow and the Moscow district in the future. 030784
The Colorado River and agriculture/energy equations **[Consumptive** use of *water].* 030743
Biological treatment with a two stage activated sludge process of *wastewater* **containing** cyanide. 030926
Plutonium in aqueous systems *[Water* **contamination].** 030902
The *water* **content** of sugar. 022861
Longitudinal shrinkage of compression wood [of Pinus silvestris] in dependence on *water* **content** and cell wall structure. 025934
Study on pigments of Acalypha leaves: influence of *water* **content** in acetone solutions on anthocyanins and chlorophylls. 026705
The response of cell sap concentration and *water* **content** in cotton leaves to different combinations of soil salinity and nitrogen levels. 027062
Correlation of specific surface area of soils according to the BET theory with cation exchange capacity, *water* **content** at the suction of 15 atmosphere pressure. 030378
Controlling *water* pollution: what is needed? 030819
Reducing water and *wastewater* **costs.** 030971
Effect of [the defoliant] Butifos in relation to the provision with *water* [of **cotton** plants]. 027433
An application of the aerial gamma monitoring techniques for measuring snow **cover** *water* equivalents on the Great Plains. 030700
Transport mechanism in soil. Metabolism and movement of insecticides from soils into *water* and **crop** plants. 030330
Inhibition of thermal tachypnoea in rabbits following exposure to cold and *water* **deprivation.** 023550
Corn yield and nutrient uptake as affected by *water-table* **depth** and soil submergence. 026889
Quality of *water* **discharged** from an urban motorway. 030749
Socioeconomic factors affecting **domestic** *water* demand in Israel. 030794
The consequences of **drinking** *water* regulation on dairy industry. 021951
Swine waste nutrient recycling **[Drinking** *water].* 023902
Newcastle disease vaccines: a study of duration of immunity and properties of LaSota vaccine given in **drinking** *water* [Chicks]. 024478
The horn fly [Haematobia irritans]: methoprene in **drinking** *water* of cattle for control. 029028
Analysis of river water and **drinking** *water* from seven European Countries [Quality]. 030649
Dynamic *water* quality management strategies. 030668
Inhibitors produced by algae as an ecological factor affecting bacteria in *water* **ecosystems.** I. Dependence between phytoplankton and bacteria development. 025854
Optimization of *water* use **efficiency** under high frequency irrigation. I. Evapotranspiration and yield relationship. 030737
Optimization of *water* use **efficiency** under high frequency irrigation. II. System simulation and dynamic programming. 030738
Electrical potentials during *water* **entry** into an air-dry mixture of sand and kaolinite [Soil-particle surfaces]. 030338
Rapid estimation of pulmonary **extravascular** *water* with an instream catheter [Dogs]. 023469
Filters with a floating charge for purifying water in **farm** *water* supplies. 030745
Reactions of *water-soluble* **fertilizer** phosphates with different soils in the German Democratic Republic. 030181
Steady state resistance to *water* **flow** in corn under well watered conditions. 030643
Water **flow** through a multilayer stratified hillside. 030797
Metabolic behaviour of *water-soluble* **fluorescent** whitening agents in the rat and bean plant. 023389
Bromosulphthalein clearance and total bilirubin level in cows deprived of **food** and *water.* 024933
Dieldrin and DDT: accumulation from *water* and **food** by lake trout (Salvelinus namaycush) in the laboratory. 029155
Estimation of food intake of sheep grazing green pasture when no **free** *water* is available. 023751
Surface molting behavior and its possible respiratory significance for a **gaint** *water* bug Abedus herberti Hidalgo (Hemiptera: Belostomatidae). 029469
Water from **gravel.** 030653
Vertical electrical resistivity soundings to locate **ground** *water* resources: a feasibility study. 030641
Ground *water* map and the agriculture of the Great Plain [Hungary]. 030734
Monitoring disposal-well systems [surveillance of the quality of surface and **ground** *waters].* 030867
Studies on the toxicity of zinc sulphate and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in **hard** *water* [Pollution]. 030927
Water **harvesting** from watersheds treated for water repellency. 030732
Transformations of fluxes and forces describing the simultaneous transport of *water* and **heat** in unsaturated porous media. 030389
Estimate of annual runoff based on individual elements of the *water* and **heat** balances. 030764
Effect of **heated** *water* of thermal electric power plants on the oxygen regime of a stream. 030760
Hot *water* treatment improves bud-take [pecan scionwood]. 027812
The effect of prewarming, presoaking and **hot** *water* treatment on the growth of Narcissus and control of stem eelworm (Ditylenchus dipsaci (Kuhn) Filipjev). 028311
The *water* **hyacinth** (Eichhornia crassipes Solms) in the Nile system, Egypt. 025608
Influence of nutrient additions and initial density of plants on production of *water* **hyacinth** Eichhornia crassipes. 026372
A study on relationship of persistency [of the first lactation] with other first production traits in **Indian** *water* buffaloes. 023429
Germination, seedling growth and sugar metabolism of two species of Brassica under polyethylene glycol (PEG) **induced** *water* stress. 026906
Internal *water* balance of brigalow (Acacia harpophylla F. Muell.) under natural conditions. 027305
Dissemination of weed seeds by **irrigation** *water.* 028615
New technique saves **irrigation** *water* [Beans]. 030634
A device for saving **irrigation** *water* in cotton. 030646

On the possible utilization of *waters* of the **Kriviy** Torets River for irrigation. 030746
Bacterial communidty in the sea and **lake** *waters* polluted with organic substances. 030905
Use of climatic data in design of soils treatment systems **[Land-based** *wastewater* management]. 030943
The Moscow canal—a **large** *water-supply* complex and its significance in the national economy. 030781
Leaf *water* stress in Engelmann spruce [Picea engelmannii]: Influence of the root and shoot environments. 027336
Level of wastewater technology in the sugar industry and *wastewater* **legislation.** 030989
The *water* **lily,** a potential forage plant for cattle. 023052
Problems of [land] reclamation and *water* **management.** IV. 030608
Basic directions of investigations for control and economy of *water* **management.** 030656
Evaluation of *water* use and **management** in Ayacut area of Sambalpur district (Orissa). 030658
Review of recent research on pulse crops. IV. *Water* **management** practices. 030659
Water **management** in arid zones: how to use surface water. 030695
Modest hydraulics in the service of the people: social and economic analysis of hydraulic operation of the lower Limpopo River *[Water* **management,** Mozambique]. 030715
Modest hydraulics in the service of the people: social and economic analysis of hydraulic operation *[Water* **management,** Mozambique]. 030716
Effect of the Kara-Kuma canal of the environment *[Water* **management].** 030763
Water **management** and noise [pollution] reduction. 030937
The methodology of determining the potential contamination load in *water* **management** planning and the role of agriculture in it. 030961
Newton's cooling coefficients of Uttar Pradesh soil clays in *water* **media.** 030317
Studies on the effects of alcohols on **membrane** *water* permeability of Nitella [Algae]. 026822
Water **metabolism** in the llama [and goat]. 023380
Microbiology of natural **mineral** *water,* a review. 022373
Enhanced cotton yields with **minimum** use of *water.* 027393
Study of operating conditions of the screw pump [Transport of feed **mixes** and *water.* 030163
Growth and differentiation of the *water* **mold** Blastocladiella emersonii: cytodifferentiation and the role of Ribonucleic acid and protein synthesis [Fungi]. 026390
Metabolism of radioactive antheridiol by Achlya species *[Water* **molds].** 026379
Sources of **Moscow's** *water* supply. 030775
Permanent preparations of sweetwater algae. VI. Enclosure in *water-soluble* **mounting** media (sealing varnish). 025560
Infiltration, evaporation, and *water* **movement** as related to water repellency [Soils]. 030366
Lime-induced reactions in **municipal** *wastewaters.* 030932
Studies on the modification of **natural** *water* conditions for cocoon cooking operation in silk reeling process. 022534
Enumeration, concentration, and separation of microbial cells from natural habitats [Soils, silt, *water* and other **natural** habitats]. 030907
A method for the continuous study of **net** *water* transport in the feline small bowel [Cats]. 023179
Sporophyte development of Funaria hygrometrica Sibth. [Musci]. I. Structural data of *water* and **nutrient** uptake in the haustorium. 026063
Root patterns in [grain] crops as related to *water* and **nutrient** uptake. 026963
Water quality perception by users: can it supplement **objective** *water* quality measures? 030786
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the oil yield, on the analytical characteristics of the **oils** and of the *wastewaters.* 022979
Scientific bases of establishment of maximum permissible concentrations of toxic substances in **open** *waters* (biological aspect) [Pollution]. 030986
Problems and principles of **optimizing** *water* quality control programs. 030772
The rational hydromodule and the irrigation rate for **overhead** *watering* of cultivated pastures. 030722
Four-step mechanism of *water* **oxidation** in photosynthesis [Algae, Chlorella pyrenoidosa]. 026539
Experimental study of non-uniform movement of *water* **parachutes** [Hydrodynamics, log rafts]. 025392
Water **permeability** during tomato fruit development in normal and rin nonripening mutant. 027274
On the manifestation of biogenetic law in **plant** *water* exchange. 026870
Microbial activities in **polluted** *waters.* 030908
Growth requirements of Enteromorpha compressa and Codium fragile [Algae, *water* **pollution].** 026546
Polychlorinated biphenyls (PCB's) in the rivers Avon and Frome *[Water* **pollution].** 030814
Pollution problems in communities in the process of industrialization *[Water* **pollution].** 030851
Tertiary purification of domestic effluents *[Water* **pollution].** 030852
The development of a standardized marine algal assay procedure for nutrient assessment *[Water* **pollution].** 030860
Bioflocculation and the accumulation of chemicals by floc-forming organisms *[Water* **pollution** treatment]. 030874
Bioaccumulation of 14C [carbon isotope]-DDT in a small pond *[Water* **pollution].** 030875
Chemical control of the sea lamprey: the addition of a chemical [3-Trifluoromethyl-4-nitrophenol] to the environment *[Water* **pollution].** 030876
A comparative study on characters of heavy metallic ion-tolerant microorganisms [Soil and *water* **pollution].** 030904
Efficient white water handling at Munksjo mill *[Water* **pollution].** 030969
The status of *water* **pollution** control in the Soviet Union. 030970
Practical research in *water* **pollution** control. 030977
Legal protection of *waters* from **pollution.** 030982
Solar timing for **pot** *watering* [Greenhouse equipment]. 030022
Effect of ozonation in treating **potable** *water.* 030762
The demands set by **programmed** *watering* and feeding [of plants] on the growing medium [Peat, Sphagnum moss]. 027636
Method of determining the effectiveness of measures for **protecting** *water* supply. 030769
Control of the water regime as a prospective method of **protecting** *waters* from depletion and pollution. 030981
Communal purification stations. Choice of a *water* **purification** technique. 030848
Creation and operation of *[water]* **purification** stations. 030849
Filters with a floating charge for **purifying** *water* in farm water supplies. 030745
Effect of *water* **quality** and irrigation frequency on farm income in the Imperial Valley. 021373
The effects of dipotassium endothall [herbicides] on the zooplankton and *water* **quality** of a small pond. 029181
Oversnow runoff events affect streamflow and *water* **quality.** 030703
A *water* **quality** model for a conjunctive surface-groundwater system. 030725
Water **quality** perception by users: can it supplement objective water quality measures? 030786
Models of land and water allocation to improve environment and *water* **quality** through soil loss controls. 030792
Modeling the effect of waste discharges in a small mountain stream *[Water* **quality** control]. 030818
Role of antitranspirants **[reducing** *water* loss from the plant] in arid agriculture. 027417
Reducing *water* and wastewater costs. 030971
Water-salt **regime** of soils of the Inguletskii irrigation system. 030748
Control of the *water* **regime** as a prospective method of protecting waters from depletion and pollution. 030981
Effect of organic matter application and *water* **regimes** on the transformation of fertilizer nitrogen in a Philippine soil. 030530
Water **relations** of selected species of chaparral and coastal sage communities. 025898
Influence of water stress on *water* **relations** and growth of a tropical (C4 [carbon]) grass, Panicum maximum var. trichoglume. 026902
Effects of potato cyst nematodes [Heterodera rostochiensis]on potato plants. III. Effects on the *water* **relations** and growth of a resistant and a susceptible variety. 028402
The influence of burrowing and thermoregulatory behaviour on the *water* **relations** of Geolycosa godeffroyi (Araneae: Lycosidae), an Australian wolf spider. 029463
Infiltration, evaporation, and water movement as related to *water* **repellency** [Soils]. 030366
Water harvesting from watersheds treated for *water* **repellency.** 030732
Treatment of **residual** *waters* from the brewery. 030811
Energy demand and *water* **resource** management: some economic aspects [Cost models]. 021350
Comment on 'Chance-constrained dynamic programing and optimization of *water* **resource** systems' by Arthur J. Askew. 030789
Using parametric models of runoff to improve parameter estimates for stochastic models *[Water* **resource** planning]. 030796
When soil water matters *[Water* **resources].** 030635
Improved utilization of *water* **resources** at hydroelectric plants. 030657
Some aspects of the development of Djerid zone South Tunisia *[Water* **resources].** 030694
Consideration of the use of *water* **resources** in the USSR state water resources inventory system. 030755
Contribution of the Academy of Sciences of the USSR to the development of inland hydrology *[Water* **resources].** 030756
Effect of economic activity on the state of *water* **resources** in West Germany. 030759
Some results of first comprehensive Volga expeditions of the Academy of Sciences of the USSR *[Water* **resources].** 030774
State Hydrology Institute [USSR, *water* **resources].** 030776
Extraction and utilization of space acquired physiographic data for *water* **resources** development. 030785
Intervention analysis in *water* **resources.** 030791
Water balance of small lactating rodents. II. Concentration and composition of milk of females on ad libitum and **restricted** *water* intakes. 023379
Crystallization of *water,* a **review** [Food freezing]. 022447
Water and the **rice** crop [Irrigation]. 030798
Analysis of **river** *water* and drinking water from seven European Countries [Quality]. 030649
Use of **saline** *water* for irrigated soils in arid & semi-arid zones of Rajasthan. 030660
Relationship of Vibrio parahaemolyticus in oysters, *water* and **sediment,** and bacteriological and environmental indices. 021929
Study of the sources of entry of trace elements into rivers and processes of **self-purification** of *water.* 030778
Utilization of ejectors in small purification installations [for **sewage** *water].* 030962
Water for **sheep** [Equipment]. 030013
The kinetics of dissolution of atrazine, propazine and **simazine** in *water.* 028605
A *timber-water* **simulation** model for lodgepole pine [Pinus contorta latifolia] watersheds in the Colorado Rockies. 025071
A microscopic-scale model of **soil** *water* uptake and salt movement to plant roots. 026832
Investigations on the importance of the root systems of cultivated plants. I. The influence of the **soil** *water* content and nitrogen manuring on plant growth, root morphology, transpiration and nitrogen absorption [Maize, barley]. 027061
Distribution of salts in the root zone **[Soil** *water].* 030232
Validity of **soil** *water* evaporatin versus square root of time relation. 030248
The hysteresis in the relationship between hydraulic conductivity and **soil** *water* content. 030349
Occurrence and phenomenon of natural and fire-induced **soil** *water* repellency. 030367
Measurement of hydraulic conductivity and diffusivity for predicting the process of **soil** *water* infiltration from a trickle source. 030386
The use of a dependent domain model of hysteresis in numerical **soil** *water* studies. 030388
When **soil** *water* matters [Water resources]. 030635
Snow trapping and crop management with tall wheatgrass barriers in Montana **[Soil** *water* supplies]. 030710
Biosynthesis of some *water* **soluble** vitamins during germination of Dolichos lablab (bitter variety). 027184
Modified flotation method of determining alcohol in *water* **solutions** containing admixtures [Wood hydrolysis]. 025316
Periodical extraction of furfurol with trichloroethylene from *water* **solutions** [Wood hydrolisis]. 025318
Consideration of the use of water resources in the USSR **state** *water* resources inventory system. 030755
Influence of the *water* **status** on the growth and fruit setting of pepper and eqqplant in protected cultivation. 027612
Classification of **stream** *water* according to degree of pollution on the basis of microbiological indices. 030979
Summer grazing performance of cattle as influenced by *water* **stress** & trailing. 023146
Perspectives in the hormone physiology of tropical crops. Responses to *water* **stress.** 026315
Influence of *water* **stress** on water relations and growth of a tropical (C4 [carbon]) grass, Panicum maximum var. trichoglume. 026902
Effect of *water-soluble* **substances** of hydrolyzed lignin on the properties of the pressed products. 025307
Mathematical model for investigating problems of **subsurface** *water* dynamics (exemplified by the Ararat plain). 030768
Problem of the use of **subsurface** *waters* for irrigation, exemplified by Uzbekistan. 030771
Study of the **subsurface** *water* regime in Hyngary. 030779
Soil cultivation and *water* **supply** in relation to bitter pit [in apples, excessive potassium, calcium deficiency]. 028308
The influence of agrochemical compounds and *water* **supply** on the breakdown of [wheat] straw in soil. 030390
Economic assessment of an activity analysis model for *water* **supply** planning. 030790
Some combined reactions of *water* at the **surface** of freeze dried products. 022462
Experimental studies of soil erosion in Daisen laom by **surface** *water* flow. 030624
Water management in arid zones: how to use **surface** *water.* 030695
Studies carried out on Ukrainian **surface** *water* hydrochemistry. 030777
The behaviour of mercury in the **system** *water-fish.* 030815
Pollution of waterways and *water* **tables.** 030850
Development of irrigation and evolution of *watering* **techniques.** 030637
Level of *wastewater* **technology** in the sugar industry and wastewater legislation. 030989
Measurement of the uptake of a 14C [carbon isotope]-labelled fluorescent whitening agent by fish from *water* and **througha** model food chain. 030881
Water **tolerant** trees as bonsai. 027715
Survival of enteroviruses on vegetables irrigated with chlorinated oxidation pond effluents *[Wastewater* **treatment].** 021904
Health significance of airborne microorganisms from *wastewater* **treatment** processes. I. Summary of investigations. 030930
Health significance of airborne microorganisms from *wastewater* **treatment** processes. II. Health significance and alternatives for action. 030931
Upgrading primary treatment with chemicals and *water* **treatment** sludge. 030934
Microbiological basis of phosphate removal in the activated sludge process for the **treatment** of *wastewater.* 030938
An *overview-wastewater* **treatment** disposal systems utilizing land application. 030953
Performance studies on a pilot-scale activated-sludge plant *[Wastewater* **treatment].** 030976
Measurement of milk consumption in young ruminants [lambs and calves] using **tritiated** *water.* 023829

Determination of **unfrozen** *water* in winter cereals at subfreezing temperatures [Wheat, rye]. 027018
The influence of hardness components (Ca2+ and Mg2+) in *water* on the **uptake** and concentration of cadmium in a simulated freshwater ecosystem [Nitella flexilis, algae, Elodea. 030650
Natural fluorine levels in the Bluff area, New Zealand. 2. Concentrations in pasture, soil, *water,* and **urine** of sheep and cattle. 030940
Water **usage** by potato plants at different stages of growth. 027112
Main trends and outlook for **utilizing** *water* resources of the USSR. 030767
Graphical determination of *water* **vapor** condensation on outside building components. 029943
Response of newly hatched codling moth larvae (Laspeyresia pomonella) to *water* **vapour.** 029335
Protection of *waters* in **Volga** basin from pollution. 030984
Warm *water* economics in breweries. 022397
Development of subterranean heating and **warm** *water* utilization for horticulture. 029901
Yield response [of field crops and vegetables] to soil warming: economic feasibility [of utilizing energy production **waste** *waters].* 021363
The role and regularities of the process of biosorption when treating **waste** *waters* of [wood] hydrolisis. 025350
Yield response to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of energy production **waste** *waters].* 026895
Yield response to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of energy production **waste** *waters].* 027106
Putting **waste** *water* to work [Fertilizer utilization]. 030443
Utilizing **waste** *waters* of Voroshilovgrad for irrigation. 030747
Biological, physical and chemical methods in the purification of **waste** *water.* 030894
Study of contamination and purification of **waste** *waters* from dairy farms and milk processing enterprises. 030960
Steady state resistance to water flow in corn under **well** *watered* conditions. 030643
White *water*—savealls [Paper mills, effluent control]. 030810
Nature reserve "Biala Wodo" [**White** *Water]* in Little Pieniny mountains. 030831
Efficient **white** *water* handling at Munksjo mill [Water pollution]. 030969

WATERCOURSES

Maintaining *watercourses.* 030689

WATERCRESS

Volatile flavour **components** of *watercress.* 022954

WATERFOWL

Clostridium botulinum in the lakes and waterways of London [**Botulism** in *waterfowl].* 024604

WATERMELONS

A study on the influence of the structural chemical constituents of the skin of *watermelon* (**Citrullus** lanatus Sch.) fruit on the incidence of its blossom-end-rot and cracking [Rhysiological disorders]. 027178
Pyrazole in Citrullus vulgaris *[watermelon]* **(Cucurbitaceae).** 027249
The effects of irrigation frequency and cultivars on premature cracking and blossom-end rot of *watermelon* **fruits** grown in the Sudan [Plant injuries]. 030632
Two isolates of *watermelon* **mosaic** virus isolated from pumpkin leaves. 028213
Annotated bibliography on manurial requirements of pumpkin, squash, *watermelon* and **muskmelon,** 1969-1974. 030512
Varieties for **nursery** *watermelon* culture. 027792
Physical and mechanical **properties** of *watermelons.* 027212
Pollination requirements for *watermelon* **seed** production [Bees, Apis mellifera]. 029823
Schemes of *watermelon* **spacing** in Golodnaya Step. 027788

WATERSHED

Analysis of litterfall in a deciduous forest on Walker **Branch** *Watershed,* Tennessee: data stratification by two alternative methods. 030179
A modified Monte Carlo technique to compute Thiessen **coefficients** *[Watersheds].* 030664
A timber-water simulation model for lodgepole pine [Pinus contorta latifolia] *watersheds* in the **Colorado** Rockies. 025071
Streamflow response to forest cutting and revegetation **[Forested** *watersheds].* 025070
Sampling procedures for nitrogen and phosphorus in *[watershed]* **runoff.** 025063
A finite-element approach to *watershed* **runoff**—a discussion. 030663
Evaluation of a model for simulating continuous streamflow from **small** *watersheds.* 030726
Water harvesting from *watersheds* **treated** for water repellency. 030732
Streamflow chemistry and nutrient yields from **upland-peatland** *watersheds* in Minnesota. 025022

WATERWAYS

Clostridium botulinum in the lakes and *waterways* of **London** [Botulism in waterfowl]. 024604
Pollution of *waterways* and **water** tables. 030850

WAVELENGTH

Photocontrol of phytochrome destruction in grass [oats, maize] seedlings. The influence of *wavelength* and **irradiance.** 027002

WAVES

Relationships between the *wave* **form** of ECG [electrocardiogram] and the morphological properties of the heart in the developing chick embryo. 023575
Temperature distributions [in air-dry and moist soil] under stones submitted to a diurnal **heat** *wave.* 030346
Effect of strong **shock** *waves* on dicotyledon seeds [Turnip, Anethum graveolens, cucumber, radishes]. 027166

WAX

Effects of ethephon and *waxing* on the **degreening** of Cyprusgrown lemons and grapefruit. 022945
High moisture, acid-treated opaque-2, *waxy* and **dent** corn rations for growing-finishing pigs. 023893
Preliminary notes on the **leaf** *waxes* of Saccharum officinarum [sugarcane] and related species. 027052
Postharvest decay, weight loss, and fungicide residues on peaches hydro- or hydraircolled before of after *waxing* [**Monilinia** fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
Application of differential thermal analysis to peat waxes. 2. **Montan** *wax* and New Zealand peat waxes. 030266
Lysozymelike lytic enzyme of Streptococcus faecalis and itsrole in the larval development of *wax* **moth,** Galleria mellonella. 029426
Application of differential thermal anaysis to **peat** *waxes.* 1. Long-chain alcohols, acids, triglycerides, and esters of stearic acid. 030265
Application of differential thermal analysis to **peat** *waxes.* 2. Montan wax and New Zealand peat waxes. 030266
Synthesis and analysis of phytyl and **phytenoyl** *wax* esters [Hygrohypnum luridum, Paraleucobryum longifolium, Phleum pratense]. 026665
Beta-diketones in **Rhododendron** *waxes.* 027239
Steryl acetates in **Rhododendron** *waxes.* 027252
Eggs and *wax* **secretion** of Kermes kingi [Quercus rubra]. 028920
A simple **solar** *wax* extractor [Apicultural equipment]. 029764
Branched-chain constituents of Brussels **sprout** *wax.* 027240
Waxy **vs** normal barley in rat and pig diets. 023868

WEANING

Feedlot performance and carcass evaluation of various two-breed cross steers fed at *weaning* **age** and as yearlings. 023906
Effects of ration protein level and diethylstilbestrol implants on *early-weaned* **beef** bulls. 023763
Feeding, managing, and vaccinating dairy and orphan beef calves from **birth** to *weaning.* 023096
Short-term feeding of methionine hydroxy analog to beef brood cows: Does it increase **calf** *weaning* weights? 023907
Early *weaning* lambs. 023144
Early *weaning* and first frenzy successively synchronized [Swine]. 023730
The method of **early** *weaning* of piglets. 023731
Effect of replacing barley with tapioca meal at two different levels of feeding on the growth and health of **early** *weaned* pigs. 023792
Study on growing and fattening of Korean native cattle in Jeju. Effects of feeding milk substitute and calf starter to **early** *weaning* and suckling calves for growing and fattening. 023881
Investigations on improving the fertility of aged sows. 3. Histological study of puerperal involution and regenerative processes occuring in the endometrium of sows during normal-lactation and very **early** *weaning.* 024027
Piglet barns for **early** *weaning* with help of batteries. 029925
Increasing the effectiveness of sow **exploitation** *[Weaning].* 023171
Studies on the *weaning* and **grazing** of calves. 1. The grazing grasses [Dactylis, Ladino clover] and rumen adaptation. 023876
Effectiveness of selection for growth rate in Zebu X British crossbred cattle. II. *Post-weaning* **growth** and genetic estimates. 024032
Cerebrospinal fluid pressure in acute-and chronic hypovitaminosis A of the **male** *weanling* rabbit. 022201
Cerebrospinal fluid pressure and squamous metaplasia in chronic hypovitaminosis A of the **male** *weanling* rat. 023643
When and how to *wean* **piglets.** 023159
Protein evaluation of triticale varieties [as feed] for *weanling* **pigs.** 023898
Complementary and supplementary value of peanut protein to rice when fed to *weanling* **rats** [Diet]. 022178
Luteal 20alpha-hydroxy steroid dehydrogenase and the formation of delta4-3-oxo steroids in the rat after *weaning* or **treatment** with 2-bromo-alpha-ergocryptine during lactation. 023282
Variability in *preweaning* **weights** of calves. 023638
Effects of genetic and environmental factors on birth and *weaning* **weights** of Korean native calf. 023644
Effect of ameliorating summer temperature stress on some blood constituents of **Large White Yorkshire** *weaners* [Sheep]. 023442

WEAR

Experimental results of **abrasive** *wear* resistance [Equipment]. 029997
Wear **character** of piston rings of tractor engines of unified range. 030003
Problems of *wear* of the **working** group piston-cylinder in the engines Z-5501 and Z-V4001. 029999

WEATHER

Dry *weather* retarding USSR winter grains [Production]. 021531
Weather **effects** on glubility and surface checking of plywood trated with PEG [Polyethylene glycol]. 025528
Weather and **farm** prices. 021600
Planting the **garden** by the *weather.* 027817
The effects of *weather* on **hay** production [Alfalfa]. 027349
Thermal disturbance of water balance in wheat in models of **natural** *weather* complexes. 026951
Plants to outwit the *weather* **[Ornamentals].** 027729
An aid to streamlining [forest] *fire-weather* **station** networks. 025065
Effects of fertilizers and *weather* **[Sunflower** yields]. 030575
Grain [production] shortfall **underlines** *weather's* impact in USSR. 021537
World *weather* watch. 021100

WEATHERING

Effect of night temperature on the toxicity of *field-weathered* **mevinphos** residues to honeybees. 029184
Effect of *weathering* and **parent** materials on clay mineralisation: red ferruginous soils of humid tropics. 030308
Studies on the resin sheet overlay. 12. Results of nine years outdoor *weathering* of **resin** sheet overlaid plywood. 025273
Influence of chemical agents on *weathering* of **silicate** minerals [Clay minerals]. 030310

WEB

Change of *web* **site** in Argiope spiders (Araneidae). 029204
Scorpionflies as kleptoparasites of *web-building* **spiders.** 029461

WEBWORMS

Variations in numbers of the **beet** *webworm* [Loxostege sticticalis, control]. 028917
Distribution of viruses of the **fall** *webworm* [Hyphantria cunea] in soil. 028652

WEED

The use of overwinter draw down for aquatic vegetation management **[Acquatic** *weeds,* control]. 028598
Control of winter **annual** *weeds* in white clover raised for seed. 028611
A production model for Myriophyllum spicatum L. **[Aquatic** *weeds].* 025893
Biological availability of sediment phosphorus to microorganisms [Algae, **aquatic** *weeds,* eutrophication]. 026696
Biological **aquatic** *weed* control by fish in the lower Sonoran Desert of California. 028501
Aquatic *weed* control policy. 028547
A survey of **aquatic** *weed* control methods used by internal drainage boards, 1973. 028587
Weed-crop **behaviour** in pure and mixed stands of maize and Echinochloa colona Link. 028542
The biology of **Canadian** *weeds.* 13. Cirsium arvense (L.) Scop. 028504
The biology of **Canadian** *weeds.* 14. Gypsophila paniculata L. 028505
The biology of **Canadian** *weeds.* 15. Pteridium aquilinum (L.) Kuhn. 028506
Herbicides **check** *weeds* in largest citrus tract. 028507
Chemical *weed* control in lupins. 028548
Chemical *weed* control in Solanum laciniatum. 028549
Chemical *weed* control guide; summer crops—1975. 028579
Chemical *weed* control of seed plantings of perennial grasses. 028626
1975 **chemical** *weed* control: task of obtaining maximum effect. 028635
Influence of *weed* **competition** on sugarbeet yield [Polygonumlapathifolium, Chenopodium album, Commelina communis, Echinochloa crusgali]. 028581
Some like it cold *[Weed* **control,** 4-chloro-5-(dimethylamino)-2-phenyl-3 (2H)-pyridazinone]. 028488
Dodder [Cuscuta]—increasing in Connecticut [Horticultural plants, *weed* **control].** 028508
Weed **control** trials in sugarbeet crops with isocarbomide and its combination with lenacyl. Results of 4-year experiments. 028512
Weed **control** in winter legumes and in safflower with Kerb 50. 028518
Aftereffects of herbicides [Vegetables, potatoes, yields, *weed* **control].** 028524
Use of Semeron [for *weed* **control** in cabbage stands]. 028525
Weed **control** suggestions for soybeans in 1976. 028539
Weed **control** suggestions for corn in 1976. 028540
A review of some factors affecting the performance of glyphosate *[Weed* **control].** 028544

Effects of simazine applicatins and watering on asparagus seedlings *[Weed* **control].** 028554
Herbicide antidotes—a new concept in *weed* **control.** 028557
Penoxalin, a new selective herbicide for *weed* **control** in peas, beans and other crops. 028562
Trifluralin and atrazine for *weed* **control** in lupin seed crops. 028575
Weed **control** in snap beans. 028577
Weed **control** in immature rubber. 028578
Necessity of paying more attention to *weed* **control** of maize. 028631
Use of aircraft for *weed* **control** in sugarbeets. 028632
Weed **control** in wheat. 028634
Use of liquid manure for potatoes [Yields, *weed* **control].** 030427
Sweet **corn** *[Weeds].* 028513
The efficiency of agrotechnical and chemical control of *weeds* [in **cotton** stands]. 028527
Dousing *weeds* [of maize with propane for burning]. 028510
Apion antiquum (Curculionoidea: Apionidae) for biological control of the *weed* **Emex** australis. 028521
New herbicides for *weed* **eradication** in meadow clover. 028589
Noncompetitive effects of common milkweed, Asclepias syriaca L., *[weeds]* on **germination** and growth of grain sorghum. 028491
Acetylfasiocarpine, an alkaloid from **Heliotropium** *europaeum[Weed,* toxic to sheep]. 026384
Control of **herbaceous** *weeds* in Blackwood Valley pine [Pinus radiata] plantations. 028582
Catalogue of species of *weeds* **infesting** cultivated areas in Brazil—annual grasses. 028499
Initial *weed* control in Douglas fir [Pseudotsuga menziesii] nursery beds at Rangiora. 028532
Development of **ligneous** *weeds* on volcanic soils in pure stands and those mixed with Gramineae [Chile]. 025856
Weeds in **maize?** 028511
VEL 5026—a new herbicide for **non-selective** *weed* control. 028576
Weeds in **orchards** as important alternate sources of green peach aphids [Myzus persicae] in late spring. 028855
Preliminary investigations with DPX 3674 for *weed* **[Pteridium** aquilinum, Cortaderia fulvida] control in [Pinus radiata] forestry. 028565
Control of *weeds* in **rice** fields. 028528
Studies on the *weed* **[Sasa** paniculata]-vegetation at the early stage of reforestation. I. Vegetable transition on Cryptomeria japonica forests planted in every year. 025203
Scrub *weed* control with thiazafluron. 028568
Changes of germinability of *weed* **seeds** during storage in air-dry condition. II. 028523
Dissemination of *weed* **seeds** by irrigation water. 028615
Toxicity [to livestock] of some composite **(Senecio)** *weeds.* 028574
Growth of **skeleton** *weed* (Chondrilla juncea L.) as affected by growth of subterranean clover (Trifolium subterraneum L.) and infection by Puccinia chondrillina Bubak & Syd. [Biological control]. 028496
Response of *weeds* to **soil** pH [hydrogen-ion concentration]. 028621
Submerged *weed* [Lagarosiphon major] control by lake lowering. 028570
Plant toxicities in sheep on a property with **unusual** *weed* control problems. 028563
Experiences gained in current **year's** *weed* control in sugarbeet culture [Austria]. 028534
Proceedings of the twenty-eighth New **Zealand** *Weed* and Pest Control Conference, Angus Inn, Hastings, August 5 to 7, 1975. 028566

WEEVILS

Efficacy of insecticides and dosage rates applied for control of the Egyptian **alfalfa** *weevil* [Hypera brunneipennis] and pea aphid [Acyrthosiphon pisum]. 028663
Yield and quality losses due to **alfalfa** *weevil* [Hypera postica]. 028703
Feeding damage to several leguminous and non-leguminous plants by the Egyptian **alfalfa** *weevil* [Hypera brunneipennis]. 028730
Field survival of diapausing Bathyplectes curculionis, a parasite of the **alfalfa** *weevil* [Hypera postica]. 028731
A natural epizootic of a coccidian in a population of the Egyptian **alfalfa** *weevil,* Hypera brunneipennis, and the alfalfa weevil, Hypera postica. 028757
Population and mortality assessment during the cocoon stage of the **alfalfa** *weevil,* Hypera postica (Coleoptera: Curculionidae). 029286
Boll *weevil* [Anthonomus grandis] oviposition behavior: multiple punctured squares [Cotton lines]. 028726
Boll *weevil* [cotton pests, control]: survival in hibernation cages and in surface woods trash in central Texas. 028748
Phenotypic deviants in the ebony genotype in the **boll** *weevil* [Cotton pests, control] [Anthonomus grandis]. 028752
Suppression of the **boll** *weevil* [Anthonomus grandis] with ULV ultra-low-volume] azinphosmethyl, and malathion, and with LV [low-volume] methyl parathion [on cotton]. 028755
Dispersal of marked **boll** *weevil* [Anthonomus grandis]: 19701973 studies. 029217
Smaller output of spray and higher productiveness of labor [Sugarbeet pest **control,** *weevils].* 028807
Effects of gamma radiation on the egg stage of the southern **cowpea** *weevil,* Callosobruchus maculatus F. 028895
Notes on the biology and distribution of three recently discovered **exotic** *weevil* pests [Atrichonotus taeniatulus, Floresianus sordidus, Sitona humeralis] in Hawkes Bay pastures]. 028782
Successful biocontrol of musk thistle [Carduus nutans] by an **introduced** *weevil,* Rhinocyllus conicus. 028514
Mycoflora of pecans treated with heat, low temperatures, or methyl bromide for control of the **pecan** *weevil* [Curculio caryae]. 028057
The use of polyvinyl acetate as a barrier to the **pecan** *weevil* larvae [Curculio caryae, control]. 028885
Introduction of a *weevil* **[Rhinocyllus** conicus] for biological control of nodding thistle [Carduus nutans]. 028558
Accessory cells of the mycetome in the **rice** *weevil,* Sitophilus oryzae: post-embryonic development. 028968
Transmission of broad bean stain virus and Echtes Ackerbohnenmosaik-Virus to field beans (Vicia faba) by *weevils* **[Sitona** lineatus, Apion vorax, broadbeans]. 028219
Control of **white-fringed** *weevil* [Graphognathus leucoloma] adults with insecticides [pests of pastures and lucerne]. 028776

WEIGELA

In vitro culture of some hybrid cultivars of *Weigela* **(Thun)** from meristems. 027150

WEIGHT

Comparative study of various *weights* of **belladonna** [Atropa belladonna] from Languedoc for obtaining pharmaceutics. 026782
Food intake, its relationship to **body** *weight* and age, and its apparent nutritional adequacy in New Guinean children. 022001
Studies on the contents of free amino acids, inosinic and lactic acids in the lean meat from pigs of different **body** *weights* at slaughtering. 022647
Early **body** *weight* of five strains of White Leghorn [Chickens]. 023338
Estimation of **body** *weight* in pure and crossbred Sinhala cattle using body measurements. 023367
Effect of restricted feeding during the growing period on the **body** *weight* and egg production of Japanese quail, Coturnix coturnix japonica. 023688
The effect of different planes of nutrition during growth on the productivity of Holstein cows. 3. Growth to the first calving of two groups at the same **body** *weight.* 023877
Possibility of reducing calving difficulties by selection. III. A note on pelvic size in relation to **body** *weight* of cattle. 024018
Sources of variation for wool, **body** *weight* and estrous characters in Romney hoggets [Sheep]. 024186
Influence of individual **body** *weight* on the susceptibility of adult Musca domestica to DDT and malathion. 029007
Pregnancy in slaughtered cows in north-eastern Australia: incidence and relationship to pregnancy diagnosis, season, age and **carcase** *weight.* 024034
Live-weight and **carcass** characteristics of cattle in Sri Lanka. 022649
Comparison between two methods of selecting 20-month steers for slaughter **[Carcass** *weight].* 022699
Hereditability of **caryopse** *weight* in spring barley hybrids. 026167
Wood anatomical classification using iterative **character** *weighing* [Rubiaceae, numerical taxonomic studies]. 025576
Sexual dimorphism in the *weight* of **chicks.** 024045
Action of energy supply during pregnancy on *weight* **development** and reproductive performance in sows. 024232
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. **Dry** *weight* loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Recent developments in the handling and *weighing* of **farm** animals [Swine, equipment]. 030088
A comparative study of [sheep] body form, live and **fleece** *weights* of the Kivircik and different Texel crossbreds at Inanli Animal Breeding Research Station. 024110
The effect of castration on *weight* **gain** and carcass quality in male fat-tail sheep. 024290
Effect of anthelmintic and selenium drenching on *live-weight* **gain** in young beef cattle. 024652
Effect of ralgro on *weight* **gains** of suckling calves [Growth]. 023647
Genetic analysis of the **grain** *weight* per plant in wheat by the method of a single array of crosses. 026152
Effect of confinement on the *weight* of **honeybee** queens [Apis mellifera carnica]. 029815
Studies on the frequency distribution of the *weight* of **individual** trees in a forest stand. V. The M-w diagram for various types of forest stands. 025109
Live *weight* growth and reproducibility of breeding bulls reared with free feed consumption. 023930
Postharvest decay, *weight* **loss,** and fungicide residues on peaches hydro- or hydraircolled before of after waxing [Monilinia fructicola, Monilinia laxa, Rhizopus stolonifer]. 028073
The size and *weight* of **melon** seeds as parameters of their vigor [Germination]. 027176
The absorption by boar spermatozoa of zinc bound to low **molecular** *weight* ligands. 024129
Molecular *weight* and amino acid composition of purified spinach beet phenolase. 027247
Variability in **preweaning** *weights* of calves. 023638
The effect of the growing of onion bulbs and their *weight* on **seed** yield. 027856
Heating and *weight-loss* **sequences** in maple [Acer saccharum]chip piles and the effect of borax. 025509
Effect of **sow** *weight* gain on litter size in swine. 024207
Components of **test** *weight* of ten varieties of winter wheat grown with two rates of nitrogen fertilizer application. 030477
Thrust-dynamic *weight* relationship of rigid wheels [on different soil types with different compaction treatments]. 029981
Dimensions of wood fibers and nominal **volume** *weights* of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of clone I-214 [Populus euramericana]. 025244
Device for continous recording of variations in the *weight* of **wasp's** nests [Paravespula germanica]. 029374
Effects of genetic and environmental factors on birth and **weaning** *weights* of Korean native calf. 023644
Short-term feeding of methionine hydroxy analog to beef brood cows: Does it increase calf **weaning** *weights?* 023907
Site and growth of the important bamboo plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, *weight* and the **yield** tables]. 025080
Fixing the final *weight* of **young** bulls of different gene design with special reference to the growth function. 023268

WELDING

Notre **Dame** *welds* kitchen efficiency to gothic dignity. 022330

WELFARE

Knowledge, **agriculture** and *welfare.* 021103
Nutrition, **human** *welfare,* and economics. 022126

WELLS

Clogging of screens and intake zones in **collector** *wells* [Groundwater]. 030752
Play it smart, eat a *well-balanced* **diet.** 022098
Relationships between the performances of ancestors and direct offspring as *well* as between **first** inspection results of young bulls and their breeding values. 4. Relationships. 024029
How *well* are your bulls performing? 024212
You can have one as *well* as the other: **instinct** versus technique. 022281
Water balance investigations in regions of *well-developed* **irrigated** agriculture (exemplified by the Syr-Darya basin). 030783
Monitoring *disposal-well* systems [surveillance of the quality of surface and ground waters]. 030867
Unsaturated conductivity of a *well* **structured** loam soil. 030247
Studies on the influence of soil moisture conditions on soybean cyst nematodes [Heterodera glycines]. 2. Nematode development and soybean growth in the surface soil and the sub-soil of the *well-drained* **volcanic** ash soil of the Tokachi region under two moisture levels. 028430
Steady state resistance to water flow in corn under *well* **watered** conditions. 030643

WESTERN

Phosphate, algae, and taconite tailings in the *western* **arm** of Lake Superior. 025918
New land farms in *Western* **Australia.** 021231
Dispersed recreation survey in native forests near Perth, *western* **Australia.** 025157
Preliminary investigation of the palynology of the upper Eocene Wirillup Formation, *Western* **Australia.** 025718
Seagrasses of *south-western* **Australia** with special reference to the ecology of Posidonia australis Hook F. in a polluted environment. 025871
Organochlorine pesticide residues in human milk, *Western* **Australia**—1970-71. 029151
Pollutant mercury and sedimentation in the *western* **basin** of Lake Erie. 030949
The *western* **bean** cutworm [Loxagrotis albicosta] on beans and[sweet] corn. 028830
The response of various breeding lines of lettuce to **beet** *western* yellows virus. 026083
Effects of **beet** *western* yellows virus on crambe in the greenhouse. 028264
Economic analysis of grain and oilseed production in *Western* **Canada** [Costs, returns]. 021374
Conversion factors for the forest-products industry in *western* **Canada.** 025538
Small-log sawmill systems in *Western* **Canada:** headrig downtime, rough, green lumber yield from sound, straight logs, log throughput, volume productivity analysis procedure. 025540
Prevalence of oosporesof Albugo cruciferarum in Brassica [bird rape] seed samples from *western* **Canada,** 1967-73. 027932
Susceptibility of diapausing pupae of the *western* **cherry** fruit fly [Rhagoletis indifferens] (Diptera: Tephritidae) and a parasite [Psilus] (Hymenoptera: Diapriidae) to subfreezing temperatures. 028854
Life histories of three species of Corixidae (Hemiptera: Heteroptera) from *western* **Colorado** [Callicorixa audeni, Cenocorixa bifida, Arctocorisa lawsoni]. 029205
Material and technical servicing of agriculture in the countries of *western* **Europe.** 021305
Effect of mineral fertilizers on yield and quality of forage grass stands of cultivated pastures in the *western* **forest-steppe** region of the Ukraine. 030561
Can and should the dairy producers in *western* **France** take recourse to crossing [of dairy cows with beef type bulls]. 024067
Mineralogical study of the fine sands from the *western* **fringe** of Haryana. 030223
Exquisite orchids from *Western* **Ghats** (India). 1. Dendrobium barbatulum. 025593

A revision of the bees of the genus Andrena of the *western* **hemisphere.** VII. Subgenus Euandrena. 029704
European rabbit **invades** *western* Argentina [Animal pests]. 028387
[Natural] conditions for forest growing in *western* **Kara-Kum.** 025046
Storm induced relationships among chemical conditions and phytoplankton [Algae] in Saginaw Bay and *western* **Lake** Huron. 026805
New species of Trichoptera [tamalpaisi] from *western* **North** America. 029645
Investigations on the biology, damage, natural enemies and the chemical control measures of European grapeberry moth Lobesia (=Polychrosis) botrana (Schiff and Den.) (Lepidoptera: Tortricidae) in the *western* **part** of Turkey. 028893
Formula for describing effect of insect and host tree [Dendroctonus brevicomis] factors on resistance to *western* **pine** beetle [Pinus ponderosa] attack. 028945
In the *Western* **plant** breeding center. 026257
Rational methods of preparing and utilizing feeds in the *western* **provinces** of the Ukrainian SSR. 023964
Problems of agriculture in the mountainous regions of **selected** *western* European countries (review) [Economic aspects]. 021224
A note on the macrofauna of a temporary rainpool in **semi-arid** *western* Australia [Insects]. 029246
Project of new mechanized sheep farm for *western* **Siberia.** 030168
Notes on *Western* **species** of Helvella. I. [Fungi, new taxa]. 025778
Comparison of *western* **spruce** budworm [Choristoneura occidentalis] populations and damage on grand fir and Douglas-fir [Abies grandis, Pseudotsuga menziesii] trees. 028962
Effects of the plant growth regulator indolebutyric acid on the growth, development, and reproduction of the *western* **tent** caterpillar, Malacosoma californicum pluviale (Lepidoptera: Lasiocampidae). 028924
On fertilizing forage beets during the first years of development of peat soils in the *western* **Ukrainian** Polesye. 030562
Systematic relationships in the narrow-leaved species of Chenopodium of the *western* **United** States. 025636
Predicting employment in four regions of the *western* **UnitedStates.** 021151
A comparative study of clay mineralogy of semi-arid soils of *Western* **Uttar** Pradesh and Eastern Rajasthan. 030295
A new Grevillea [microstegia] species from *western* **Victoria.** 025752
Egypt looks to *Western* **world** for more farm products [Imports]. 021532

WET

Removing magnesium from *wet-process* **acid** with fluosilicate [fertilizers]. 030507
Treefalls and patterns of understory species in a *wet* **lowland** tropical forest. 025896
The nutritive value of Kikuyu grass, Pennisetum clandestinum, in the *wet* upper **montane** region of Sri lanka. II. Concentrate feeding for milk production [Dairy cattle]. 023723
Comparative measurements of fan and pad cooling and **plant** *wetting* [Greenhouses]. 029871
Wet **pressing** [Paper manufacture]. 025269
Testing printing papers for *wet-rub* **resistance.** 025511
Seedbeds and aggregate stability improved by **rototilling** *wet* soil. 030370
Six years of measurements of **wall** *wetting* by driving rains in Braunschweig-Volkenrode [Agricultural structures]. 029944
Preservation of *wet* **yeast** for animal feeding. 023014

WETHERS

Digestibility and volatile fatty acids in steers and *wethers* at 21 and 32 **Celsius** ambient temperature. 023506

WETLANDS *see* MARSHES

WHEAT

Rapid determination of tryptophan in beans (Phaseolus vulgaris) [maize and *wheat]* by the **acid** ninhydrin method. 022920
Deposition of Puccinia striiformis [yellow rust] uredospores on **adult** *wheat* plants in laboratory experiments. 027936
Meiotic pairing between single chromosomes of diploid Agropyron elongatum and decaploid Agropyron elongatum in Triticum **aestivum** *[Wheat].* 026124
The genic basis for differences in sedimentation value and protein content between two cultivars of Triticum **aestivum** *[Wheat].* 026126
Do tillage practices **affect** *wheat* yields? 027555
Occurrence of some enzymes in starchy endosperm and hormonal regulation of isoperoxidase in **aleurone** of *wheat.* 027026
Crop equivalent rating guide for soils of Minnesota [Yields, maize, *wheat,* **alfalfa,** Poa]. 027450
In vitro culture of *wheat.* III. **Anther** culture of the A genome aneuploids in common wheat. 026304
Test in view of reducing the effects of monoculture on *wheat* by the **application** of various cultural measures. 027501
Argentina's *wheat* exports may be highest in a decade. 021518
An analysis of the problem of lodging with particular reference to *wheat* and **barley.** 026017
Effect of NADH [naphthaleneacetic acid dehydrogenase] on the activities of nitrate reductase and its inactivating enzyme *[Wheat,* **barley,** chickpeas, rice]. 026967
Good seed **[Barley,** *wheat].* 027479
Loose smut of *wheat* and **barley,** even though the seed has been dressed [Ustilago nuda]. 028044
A prominent *[wheat]* **breeder** [Vasilii Nikolaevich Remeslo]. 026248
Dependent and independent combinability of yield elements and the Central European ideotype of *wheat* **[Breeding].** 026150
Genetic differentiation of the pathogen of *wheat* **bunt** [Tilletia caries]. 028012
Admission of N15 [nitrogen isotope] into the flowering glumes and separate parts of the **caryopsis** in *wheat.* 026946
Studies on the bonding states of the chlorophylls in freezedried *[wheat]* **chloroplast** lamellae by use of various solvents. 027004
In vitro culture of wheat. III. Anther culture of the A genome aneuploids in **common** *wheat.* 026304
Australian specimens of **common** *wheat* [Variety testing in USSR]. 027506
Weed **control** in *wheat.* 028634
Use of more forage to produce beef—**crested** *wheat* seedings. 027487
Research on *[wheat]* **crop** response to shelterbelts and slat-barriers. 026956
Effect of sulphur and phosphorus application on soil characteristics, nutrient uptake and yield of *wheat* **crop.** 026980
Nutrient status of *wheat* **crop** in Ludhiana [Zinc and copperdeficiencies]. 028350
Genetic control of durable resistance to yellow rust (Puccinia striiformis) in the *wheat* **cultivar** Hybride de Bersee. 027897
The relation between tillering capacity and cumulative temperature and its application in *wheat* **culture.** 027391
The cytotoxic action of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on roots of Triticum durum **Desf.** *[Wheat].* 028341
Ultrastructure of the cuticular membranes of the **developing** *wheat* grain. 025993
Nonroot liquid [aerial] fertilization of *wheat* and the **development** of brown rust. 028113
Double chain sequence of RNA obtained through in vitro transcription of *wheat* **DNA** by Escherichia coli RNA polymerase. 026917
Use of no tillage in **double-cropping** *wheat* with soybeans or grain sorghum. 030603
Nitrate and nitrite content in *wheat* **dried** in internal combustion dryers. 022820
Sulfur content in *wheat* **dried** in internal-combustion dryers in relation to the sulfur content in fuel [Contamination]. 022821
Development and characteristics of a disomic-1D addition line of **durum** *wheat.* 026119
The heterogeneity of the germination of *wheat* **ear** grains. 026921
Increasing bumper harvest of three crops *[wheat,* **early** rice, late rice] within a year by applying the materialist dialectics. 027387
Studies on luciferin-luciferase ATP [adenosine triphosphate] assay in plants **(etiolated** *wheat* germs, and bean leaves). 026878
Demand for U.S. *Wheat* **expanding** in Caribbean area. 021530
Mycotoxicosis in cows caused by toxins of Aspergillus flavus Lk. *[Wheat,* **feed,** contamination]. 025005
Effect of *wheat* **fiber** on blood lipids, fecal steroid excretion and serum iron [in human nutrition]. 021999
Compositional difference of *wheat* **flour** glutens in relation to their **aggregation** behaviors. 022734
Tight crushing and air sifting of *wheat* **flour.** 022804
The amino acid sequence of purothionin A, a lethal toxic protein for brewer's yeasts [Saccharomyces cerevisiae] from *wheat* **[flour].** 026350
Role of agronomic techniques in reducing the numerical strength of the *wheat* **flower** mite [Steneotarsonemus panshini]. 028806
Luminescence studies of saccharide binding to *wheat* **germ** agglutinin (lectin). 026955
Influence of concanavalin A, *wheat* **germ** agglutinin, and soybean agglutinin on the fusion of myoblasts in vitro. 026977
Quality of the 1975 **German** *wheat* harvest. 2. Milling and baking quality. 022802
Whole *wheat* **grain** feeding of lambs. V. Effects of roughage and wheat grain mixtures. 023701
Determination of groats formation ability of *wheat* **grain** for the evaluation of its quality [during early stages of breeding]. 026253
Usefulness of micromethods for determination of milling and baking quality of *wheat* **grain.** III. Comparison of qualitative characters and varieties and lines of wheat. 027415
Phytotoxic substances contained in sawdust [inhibitory effect on the **growth** of *wheat].* 028409
Effect of certain chemical mutagens on chromosome rearrangements and growth processes in **hard** *wheat.* 026142
Hard *wheat* culture in autumn seeding in the northern part of France. 027475
Quality of the 1975 *wheat* **harvest.** Quantitative and qualitative results in the [West German] states and provinces. 022753
Genetic analysis of time to ear emergence in **hexaploid** *wheat,* Triticum aestivum, using intervarietal chromosome substitution lines. 026122
Observations of additional divisions in pollen grains of **homozygous** *wheat* plants (Triticum aestivum L.) obtained by androgenesis in vitro. 026920
Susceptibility of Cadra cautella and Plodia interpunctella to Bacillus thuringiensis on [stored] *wheat* **[Insect** pests, biological control]. 028984
The economic feasibility of onion, potato and *wheat* **irradiation** in India. 021395
Energy supply and light-enhanced chloride uptake in *wheat* **laminae.** 027022
Immunochemical methods in the study of ontogenic evolution of proteins: fraction I protein and malate dehydrogenase during ageing of *wheat* **leaves.** 027003
The changes of adenylate energy charge in *wheat* **leaves** during anoxia, study of their reversibility. 027005
Relation between ectodesmata and infection of *wheat* **leaves** by wheat streak mosaic virus. 028163
Usefulness of micromethods for determination of milling and baking quality of wheat grain. III. Comparison of qualitative characters and varieties and **lines** of *wheat.* 027415
Agricultural investigation and its influence on Chilean agriculture: *wheat* and **maize** [Culture, yields]. 027524
How Canada **markets** *wheat:* government is in charge. 021538
Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, calcium, and zinc in *wheat* during **maturation.** 026973
Genetic analysis of the grain weight per plant in *wheat* by the **method** of a single array of crosses. 026152
Milling *wheat* varieties increase in popularity. 022779
Thermal disturbance of water balance in *wheat* in **models** of natural weather complexes. 026951
Chlorophyll synthesis in a yellow **mutant** of *wheat.* 026900
New *wheat* varieties. 027428
Septoria nodorum infection of *wheat* in **New** Zealand. 027872
Performance of the **new** *wheat* variety Marcos Juarez INTA in nothern Buenos Aires and southern Santa Fe in 1973 [Nitrogen and phosphorus fertilizers]. 030475
Response of *wheat* to **nitrogen,** phosphorus and potash under rainfed conditions. 027420
Effect of temperature on respiration of mitochondria and shoot segments from cold-hardened and **nonhardened** *wheat* and rye seedlings. 027021
Cultural techniques for extensive production of *wheat* in **paddy** fields. 027351
Pakistani *wheat* output up; sufficiency not imminent. 021552
Is polyploidy necessary for tissue differentiation in higher plants? [Sunflowers, **peas,** *wheat].* 025940
Regional treatments for control of Eurygaster integriceps *[Wheat* **pests,** Kazakhstan]. 028805
Philippine *wheat* imports to rebound in 1975/76. 021555
The *wheat* **plant** for cows [Pastures, beef cattle]. 023910
Supply response in the wheat-belt of south-eastern Australia: the impact of delivery quotas on *wheat* **plantings.** 021469
Fraction 1 protein and the origin of **polyploid** *wheats.* 026245
FAR-MAR-CO [farmers marketing cooperative] implementing **producer** *wheat* marketing system. 021602
Wheat **production** situation [Brazil]. 027373
Wheat **production** in Manitoba. 027483
Effect of temperature, light, and dew duration on relative numbers of infection structures of Puccinia coronata avenae [Crown rust fungus, oats, *wheat,* **Puccinia** graminis tritici]. 028052
Simple rapid determination of *wheat* **quality** with the resistogram. 022754
Moldy [Fusarium graminearum] *wheat* **refusal** by swine. 023896
Growth habit of *wheat* and its **related** species in relation to sowing time. 026911
Initial [breeding] material of *wheat* **resistant** to virus diseases. 026258
Study of proteins of **resistant** *wheat,* Kharkov and sensitivewheat, Selkirk, during cold hardening. I. Soluble proteins. 026932
Study of proteins of **resistant** *wheat,* Kharkov and sensitivewheat, Selkirk, during cold hardening. II. Soluble proteins and proteins of chloroplasts and membranes. 026933
Red flour beetle [Tribolium castaneum]: populaton growth ondiets of corn, *wheat,* **rice** or shelled peanuts supplemented with eggs or adults of the Indian meal moth [Plodia. 028983
Wheat in the **rural** extension program of Angola [Culture]. 027490
A historical account of *wheat* **rust** [Puccinia] epidemics in India, and their significance. 027935
Presence of *wheat* **rust** [Puccinia] uredospores over the Rohtang pass (3,954 m) in the interior of the Himalayas [India]. 027939
Study of the infection process by *wheat* **rust** using luminescent microscopy. 028024
Determination of unfrozen water in winter cereals at subfreezing temperatures *[Wheat,* **rye].** 027018
Effect of presoaking seed treatment with indole-acetic-acid on *wheat* under different **salinity** regimes coupled with SAR and boron levels. 027418
Conversion of alpha[15N]amino-2,6-dichlorobenzaldoxime into[15N]2,6-dichlorobenzonitrile [nitrogen isotope] by a soil culture [of microorganisms; phytotoxicity assay with *wheat* **seedlings].** 028536
Identification of genomes and chromosomes involved in peroxidase synthesis of *wheat* **seeds.** 026110
Comparative evaluation of the field and laboratory methods of determining the variety purity of **seeds** [of *wheat].* 027509
Injury to *wheat* **seeds** from Alternaria blight. 028112
The chromosomal location of a major dwarfing fene from Norin 10 in new British **semi-dwarf** *wheats.* 026160

The use of magnesium phosphide tablets with hydrogen phosphide in gas treatment of *wheat* in **silos.** 023029
Amino acid content and digestible energy value of sprouted, rust-affected and **sound** *wheat* in pig diets. 023015
Supply response in the *wheat-belt* of **south-eastern** Australia: the impact of delivery quotas on wheat plantings. 021469
Factors affecting the molecular structure and the agglutinating ability of concanavalin A and other lectins [Kidney beans, *wheat,* **soybeans**]. 026954
Mitotic cycles in Triticum *[wheat]* **species.** 026008
Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the water-splitting activity in photosynthesis [**Spinach,** *wheat].* 026406
Influence of sowing dates, soil amendments, and cultivars on *wheat* **spindle** streak mosaic in winter wheat. 028231
Wheat **spindle** streak mosaic virus in Kentucky. 028270
Influence of low temperatures on meiotic abnormalities in soft **spring** *wheat.* 026144
Specimens of **spring** *wheat* [varieties] resistant to races of stem and yellow rust [Puccinia graminis tritici, Puccinia glumarum]. 026261
The productivity coefficient of the **spring** *wheat* spike [Varieties]. 026273
The role of spatial structure of a light field in the formation of **spring** *wheat* crop [for the reproduction of breeding material]. 026277
Temperature-induced phase changes on the kinetics of photosynthetic electron transfer in winter and **spring** *wheat* chloroplasts. 026908
Comparative changes in hardiness and lipid composition in two near-isogenic lines of *wheat* (**spring** and winter) grown at 2 degrees C and 24 degrees C [centigrade]. 026927
Strong **spring** *wheat* [variety] Zarnitsa. 027513
The quality of **spring** *wheat* seeds. 027517
New method of tillage of fallow soil planted to **spring** *wheat* [Soil management, wheat yields]. 030629
United States potentials and problems for insect disinfestation of *wheat* and **sprout** inhibition of potatoes by irradiation. 028743
Light conditions and their regulation for *wheat* **stand** in high yield field. 026941
Certain characteristics of *wheat* **stem** growth [Breeding]. 026218
UV [ultraviolet] light inactivation kinetics of *wheat* **stem** rust uredospores [Puccinia graminis]. 027874
On the presence of the gene Sr 5 in some European cultivars *[Wheat,* **stem** rust resistance, Puccinia graminis tritici]. 027937
Induced susceptibility or induced resistance as causes of host-parasite specificity *[Wheat,* **stem** rust, Puccinia graminis tritici]. 027971
Peculiarities of *wheat* **stem** rust [Puccinia graminis] races prevailing in the Georgian SSR. 028020
Photocontrol of fungal spore germination [Puccinia graministritici, *wheat* **stem** rust]. 028077
Digestibility of grain sorghum stover and *wheat* **straw** supplemented with NPN [non-protein nitrogen, cattle]. 023857
Evaluation of *wheat* **straw** in feeder lamb rations. 023862
Characterization of bound residues of [the selective herbicide] nitrofen in rice and *wheat* **straw.** 029106
The influence of agrochemical compounds and water supply on the breakdown of *[wheat]* **straw** in soil. 030390
Relation between ectodesmata and infection of wheat leaves by *wheat* **streak** mosaic virus. 028163
Effect of rotary soil tillage on agrophysical soil properties and crop yields [**Sugarbeets,** *wheat].* 030599
Occurrence and nature of naturally-occurring antagonism to Gaeumannomyces graminis *[Wheat* **take-all** fungus]. 027975
Accumulation of an adcrusting substance in the pigment strand of a diploid and a **tetraploid** *wheat.* 026922
Accumulation of an adcrusting substance in the pigment strand of a diploid and a **tetraploid** *wheat.* 026923
Restoring of pollen fertility in male-sterile lines of *wheat* **(timopheevi)** Triticum aestivum L. 026169
Effect of [herbicide] molecules with hormonal properties on phenylalanine ammonia lyase activity [in **tobacco** and *wheat].* 028537
New results on anther culture of *wheat* **(triticum** aestivum L.) in vitro: conditions of regeneration of haploid plantletsand production of homozygous lines. 026919
The cytotoxic action of chloroneb (1,4-dichloro-2,5-dimethoxybenzene) on roots of **Triticum** *durum* Desf. [Wheat]. 028341
The results of reproducing breeding material [of *wheat]* in **Turkmenia.** 026276
Partial purification and characterization of two cytoplasmic DNA polymerases from **ungerminated** *wheat.* 026998
An investigation of the effect of mutagens on *wheat* **varieties** and species of different ploidy levels. 026282
Development and characteristics of a disomic-1D addition line of *durum* **wheat.** 026119
Acceleration of **winter** *wheat* vernalization when grown under controlled conditions [for breeding]. 026251
Study of the inheritance of sedimentation indicator of soft **winter** *wheat.* 026262
The evaluation of the initial [breeding] material of **winter** *wheat* for resistance to loose smut [Ustilago tritici]. 026268
Winter *wheat* [variety] Krasnovodopadskaia 210. 026279
An apparent relationship of soluble sugars with hardiness in **winter** *wheat* varieties. 026925
An apparent relationship of soluble sugars with hardiness in **winter** *wheat* varieties. 026926
The cultivation and management of **winter** *wheat* in the TibetAutonomous Region. 027389
Yield of **winter** *wheat* in relation to preceding crops and fertilizers. 027554
Quality of seeds and yield of **winter** *wheat.* 027563
Influence of sowing dates, soil amendments, and cultivars on wheat spindle streak mosaic in **winter** *wheat.* 028231
Experiment in protecting **winter** *wheat* from diseases. 028465
The winter fly [Leptohylemyia coarctata], a pest of **winter** *wheat* in the German Democratic Republic. 028808
Components of test weight of ten varieties of **winter** *wheat* grown with two rates of nitrogen fertilizer application. 030477
Results from two experiments with **winter** *wheat,* comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Late nitrogen topdressing of **winter** *wheat* [Yields]. 030550
Optimization of fertilizer doses for topdressing of **winter** *wheat* after inorganic analysis of the plants for 1975. 030552
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of **winter** *wheat* Triticum aestivum). 030570
Soil temperature and soil aeration effects on concentrations and total amounts of nutrients in **'Yecora'** *wheat* grain. 027047
How we succeeded in obtaining high **yield** of *wheat.* 027386
Preceding crops and *wheat* **yield.** 027575
New method of tillage of fallow soil planted to spring wheat [Soil management, *wheat* **yields].** 030629
Alternate sources of protein for Heliothis **zea** *wheat* germ diet. 028706

WHEATGRASS

Effects of cattle dung and dung beetle [Onthophagus nuchicornis] activity on growth of **beardless** *wheatgrass* [Agropyron spicatum inerme] in British Columbia. 030434
Snow trapping and crop management with **tall** *wheatgrass* barriers in Montana [Soil water supplies]. 030710

WHEEL

Why are all *wheel* **drive** high performance tractors prevalent? 030078
Thrust-dynamic weight relationship of **rigid** *wheels* [on different soil types with different compaction treatments]. 029981
Energetic analysis of the aggregate from a *wheel* **tractor** and classical mower. 029996

WHEY

Preparation of immobilized beta-galactosidase by poly(vinylpyrrolidone) and the continuous hydrolysis of lactose in **acid** *whey.* 022564
Determination of iron in **cheese** *whey* by atomic absorption spectrometry. 022562
Cottage **cheese** *whey* ultrafiltrate produced by hollow fiber ultrafiltration. 022591
Cold-disaggregation of the casein micelles in heated **concentrated** *whey* protein-free milk. 022558
Manufacture of soft cheese without drainage of *whey* from **concentrates** of ultrafiltrated skim milk. 022613
Expanded *whey* and lactose usage means economy, improved products. 022565
Metabolism of **liquid** *whey* fed to sheep. 023768
The cleaning of tubular ultrafiltration **membranes** [of *whey].* 022576
In vitro and mouse evaluation of methods for **protecting** *whey* protein and casein from ruminal degradation. 023508
The interaction of N-acetylglucosamine and an affinity-label analogue with alpha-lactalbumin *[whey* **protein** of milk] andlactose synthetase. 022563
Influence of crystallization of lactose in serum concentrate on hygroscopicity and agglomeration of *[whey]* **serum** powder. 022628
Whey and **skim** milk [Membrane processing]. 022578
Formaldehyde **treated** *whey* protein concentrate for lactating dairy cattle. 023767

WHITEFLIES

Aschersonia for control of the **citrus** *whitefly* [Dialeurodescitri]. 028901
A comparison of the effectiveness of insecticides against **glasshouse** *whitefly* (Trialeurodes vaporariorum). 028813
Visual and olfactory responses in orientation to plants by the **greenhouse** *whitefly,* Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 028840
Spectral specific responses in the visual behavior of the **greenhouse** *whitefly,* Trialeurodes vaporariorum (Homoptera: Aleyrodidae). 029336
Whiteflies **[Trialeurodes** vaporariorum, Aleurodes spiraeoides]: their biology and control [Horticultural crops]. 028833

WHOLESALE

Cost of *wholesale* **milk** distribution in urban Utah. 021625
Cost of *wholesale* **milk** distribution in urban Utah. 021626

WILD

Contribution of leaves and stems to yield and quality of Russian wild ryegrass [Elymus junceus] and **Altai** *wild* ryegrass [Elymus angustus]. 023019
A telemetric aid in establishing the cause of death in semidomesticated or *wild* **animals** [Reindeer]. 024292
Meiotic chromosome pairing in triploid hybrids of Gossypiumhirsutum L. [Cotton] with *wild* **Australian** species. 026103
The removal of a *wild* **colony** from a dense thicket [Bees]. 029745
Mercury residues in breast muscle of *wild* **ducks,** 1970-71. 030944
Wild **grape** of Nuristan and its relation to the history of civilization of mankind. 027709
Gene dosage effects in polyploid strains of Saccharomyces cerevisiae [Yeasts] containing **gua-1** *wild-type* and mutant alleles. 026193
Materials on Acaridae, the parasites of mountain rams and *wild* **hoofed** animals of Badkhyz. 029020
Gametic differentiation in Chlamydomonas reinhardtii [Algae]. III. Cell wall lysis and microfilament-associated mating structure activation in *wild-type* and **mutant** strains. 026200
Wild **oat** [Avena fatua] gene pool: a collection maintained by the Canada Department of Agriculture. 026241
Difenzoquat for *wild* **oat** [Avena fatua, Avena ludoviciana] control in cereals. 028550
Wild **oat** control in Kentucky bluegrass [Poa pratensis] and perennial ryegrass [Lolium perenne]. 028625
Selective control of *wild* **oats** [Avena fatua] in barley withAC 84777. 028503
Another problem solved: *wild* **oats** [Avena fatua control]. 028515
Garden **ornaments** *wild* and whimsical. 027690
The bee, conservator of nature by pollination of *wild* **plants.** 029738
The bee [Apis mellifera], conservator of nature by pollination of *wild* **plants.** 029739
Contribution of leaves and stems to yield and quality of **Russian** *wild* ryegrass [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. 023019
Capillaria tridens (Dujardin 1845) Travassos 1915, from *wild* **turkeys** (Meleagris gallopavo) in the southeastern United States. 024608

WILDLIFE

Trees and *wildlife*—**energy** aspects for managers. 030901
Diseases of *wildlife* **examined** at laboratory [Zoonoses]. 024360
Public demands on forests in relation to **forest** *wildlife.* 025083
Prescribed burning for improving pine [Pinus taeda, Pinus echinata] production and *wildlife* **habitat** in the hilly Coastal Plain of Alabama. 025179
Selected bibliography of *wildlife* and **habitats** for the Southwest. 025066
The Utah Mosquito Control—Fish and *Wildlife* **Management** Coordination Committee. 029068
Past and future of *wildlife* **preservation** in the Polish People's Republic. 030833

WILLOWS

Ectoparasites [of the *willow* **grouse** and the ptarmigan] in Norway [Lice]. 029014
About the cultivation of poplar and *willows* **[Salix]** in Romania. 025242
Willows **(Salix)** and their importance for bees (Apis mellifera). 029770
Willows **(Salix)** and their importance for bees [Apis mellifera]. 029771
Usability of **white** *willow* (Salix alba L.) for industrial purposes. 025292
More recent methods and means for the control of insect pests of poplars and *willows* in **Yugoslavia.** 028956

WILT

An antibacterial compound from Solanum phureja and its rolein resistance to **bacterial** *wilt* [Pseudomonas solanacearum]. 028146
Technique for the determination of the rate of ethylene production by Pseudomonas solanacearum **[Bacterial** *wilt,* tomatoes, pototoes]. 028148
Light and electron microscopy of **broadbean** *wilt* virus intracellular inclusions. 028252
First proof of **broadbean** *wilt* virus in the People's Republic of Poland. 028292
Fertilizers are found to influence **coconut** *wilt* disease in India. 028457
Leaf freckles and *wilt* of **corn** incited by Corynebacterium nebraskense Schuster, Hoff, Mandel, Lazar, 1972. 028150
Early maturing and resistance to [Verticillium] *wilt* of **cotton** [Breeding]. 026212
Directional variability of Verticillium *[wilt* of **cotton].** 028000
The effect of membrane-active substances and antibiotics with a systemic action on Fusarium oxysporum Schlecht. f. sp. vasinfectum (Robin) Berkh. **[Cotton** *wilt* compared withtomato rot, Botrytis cinerea]. 028026
The effect of various factors on the production of pectolytic enzymes by Verticillium dahliae Kleb. **[Cotton** *wilt].* 028027

Wilt **development** in red oak [Quercus rubra] seedlings: a new system for studying oak wilt [Ceratocystis fagacearum]. 028065
Fusarium *wilt* of alfalfa and studies of disease resistance. 026171
Activity of mitochondrial adenosine triphosphate enzyme in pathogenically different forms of Fusarium oxysporum Schlecht. f. sp. vasinfectum (Atk.) Snyder et **Hansen** *[Wilt].* 028007
Wilt development in red oak [Quercus rubra] seedlings: a new system for studying **oak** *wilt* [Ceratocystis fagacearum]. 028065
Residual effect of soil fumigation with vine burning on control of Verticillium [albo-atrum] *wilt* of **potato.** 028060
Sclerotium [rolfsii] *wilt* of **Psoralea** corylifolia. 027948
Hendersonula toruloidea associated with a **serious** *wilt* disease of shade trees [Ficus benghalensis] in the Sudan. 028068
The efficiency of chemical protection of tobacco from tomato **spotted** *wilt.* 028278
Methods of field testing of [cotton] varieties [against **Verticillium** *wilt].* 027435
Duration of effects of benomyl on growth and *wilt* **(Verticillium** dahliae) development in the strawberry, cv. Cambridge Vigour, in relation to time of inoculation. 027896
Fungicide properties of topsine for control of **[Verticillium** *wilt* of cotton]. 028001

WILTING

Resistance of soybeans to root rots and *wilting* **[Fusarium,** Verticillium, Sclerotinia]. 028118
The effect of residue moisture in *wilted* **leaves** on quality indices of fine black tea. 022541
The conditions for the occurrence of secondary fermentation on *wilted* **silage.** 023067

WIND

Soil and climatic characteristics of the **Armavir** *wind* corridor [Erosion]. 030619
Soil stabilizers to **control** *wind* erosion. 030617
Dispersal of 32 P[phosphorus isotope]-treated larvae of Spodoptera litura and Spodoptera mauritia (Lepidoptera: Noctuidae) [Effect of the *wind* **direction].** 028714
Wind **effects** and their amelioration in crop production. 028371
Estimating seedling survival from *wind* **erosion** parameters. 028444
Full-scale **glasshouse** *wind* load measurements. 029877
First on the *wind* **[Insects,** flight]. 029243
Wind **loads** and greenhouse design. 029891
Determination of glasshouse heat requirements from temperature and *wind* **records.** 029874
Wind and **storm** damages to bird controlling nets [Viticulture]. 028436

WINDBREAKS

The role of trees [as *windbreaks]* in **improving** energy utilization by beef cattle [Housing]. 023116
Plant response to environmental change **induced** by *windbreaks.* 025030
Windbreak **removal** trends in the Great Plains [Forest conservation]. 025032
Windbreaks for **snow** management in North Dakota. 030713
Goals in Plains **States—***windbreak* plantings. 025029

WINDFALLS

A quick method for determining the cause and nature of **citurs** *'windfall'* [attributed to fruit-piercing moths or windstorms] in Sierra Leone. 028296

WINE

Studies on the Takju *[wine]* **brewing** with potatoes. 022974
Modification of catechins during thermal processing of **catechin-type** *wines.* 022995
Dependence of the quality of muscadine and red grape varieties and *wines* on the **content** of sodium salts in the soil. 022988
Gas chromatographic determination of diols and glycerol in flavor bases and **flavored** *wines.* 022923
Use of the frontal-adsorptive concentration method for the analysis of dissolved **gases** in must and *wine.* 023000
Advice for production of *wine* from **grapes** affected by gray mold [Botrytis cinerea]. 022961
Electrophoretic determination of proteins in **grapes** and *wine.* 022990
Wine **growing** for the home vineyardist. 027688
Problem of normalization of losses in *wine* **manufacture.** 022996
Use of enzyme preparations in *wine* **manufacture.** 022999
Development of **maturation** in 1975 *[Wine].* 022984
Determination of sugar, glycerol and ethanol in *wine* by **means** of high-pressure liquid chromatography. 022892
Biological stabilization of *wines* with **5-nitrofurylacrylic** acid. 022986
Grape and *wine* **production** within the framework of a joint venture [Cooperation]. 021271
On the way to the *wine* **profile.** 022872
Effect of [grape] leaf content and mechanical harvest on *wine* **"quality".** 022875
Problem of *wine* **quality** and stability. 022997
The effect of irrigation and fertilizers on the accumulation of aromatic substances in grape berries and on *wine* **quality.** 027300
On the nature of reactions responsible for color behavior in **red** *wine:* a hypothesis. 022876
Grape proteins, their properties and *wine* **stability.** 022991
Dimethyldicarbonate as a *wine* **sterilant.** 022874
Losses of *wine* during **storage** and aging under different climatic conditions. 022993
Comparative genetics of yeast. XIV. Analysis of *wine* **strains** of Saccharomyces neutral to killer strain of type k2. 026284
Propaganda for eastern **Swiss** *wine,* more current than ever! [Marketing]. 021636
Metabolism of *wine* **yeasts** according to storage conditions [Fermentation]. 022994

WING

The role of **butterfly** *wings* in regulation of body temperature. 029422
Corpus allatum activity and *wing* **determination** in Megoura viciae. 029454
A chemical influence of ants [Formica fusca] on *wing* **development** in aphids [Aphis fabae]. 029323
Morphology of the male sex organs, spermatophore formation and insemination in the *clear-winged* **grasshopper,** Camnula pellucida (Scudder). 029198
The effect of gene dosage on variability in the honeybee [Apis mellifera]. 2. *Wing* **hook** number. 029832
Formation of *winged* **insects** [Pterygota] and their present system [Evolution]. 029514

WINTER

Control of *winter* **annual** weeds in white clover raised for seed. 028611
Will it pay to feed concentrates to *overwintering* **beef** cattle? [Returns]. 021390
Winter **blindness** of Gladiolus: interaction of light and temperature. 028313
The effects of CO2 [carbon dioxide] concentration on the canopy photosynthesis and *winter* **bloom** production of the glasshouse rose 'Sonia' (syn. 'Sweet Promise') [Varieties]. 027639
Frequency of occurrence of winter injury to forage legume, *winter* **cereal** and strawberry plants in Prince Edward Island, 1901-1975. 028346
Determination of unfrozen water in *winter* **cereals** at subfreezing temperatures [Wheat, rye]. 027018
Overwintering of **colonies** of honeybees [Apis mellifera] with restricted and unrestricted brood-rearing in Louisiana. 029723
Winter **corn** can butter up menu profits. 022316
Feeding grass straws to *wintering* **cows.** 023863
Towards *winter* in the **cowshed** and around it. 023123
Effect of nitrogen fertilizers on yield of *winter* **crops** grown in soddy-podzolic loamy soils of the Belorussian Polesye. 030558
Physical gill efficiency and *winter* **dormancy** in the pigmy backswimmer, Neoplea striola (Hemiptera: Pleidae). 029221
The use of *overwinter* **draw** down for aquatic vegetation management [Acquatic weeds, control]. 028598
Economical *winter* feeding of dairy cattle. 023742
The effect of *winter* **feed** levels of reproductive performance of beef cows and heifers. 023908
Winter **feeding** of lactating cows [Dairy cattle]. 023729
Studies on all season management of beef cattle with the non-pen system. 2. *Winter* **feeding** of heifers with only a hay supply and their compensational growth in spring. 023875
Vernalization of *winter* **field** pea. 026894
The *winter* **fly** [Leptohylemyia coarctata], a pest of winter wheat in the German Democratic Republic. 028808
Agroclimatic characteristics of 1973-1974 *winter* and the 1974 **growing** period in the subtropical regions of West Georgia [USSR]. 021150
Comparative changes in hardiness and lipid composition in two near-isogenic lines of wheat (spring and *winter)* **grown** at 2 degrees C and 24 degrees C [centigrade]. 026927
Overwintering of **honeybee** [Apis mellifera carnica] queens. 1. Maintenance of honeybee queens in solitary confinement. 029821
Studies on cold hardiness of grape vines. I. Studies on cold hardiness of grape varieties *[Winter* **injury].** 027287
Frequency of occurrence of *winter* **injury** to forage legume, winter cereal and strawberry plants in Prince Edward Island, 1901-1975. 028346
Overwintering of **lawn** grass [Culture]. 027810
Weed control in *winter* **legumes** and in safflower with Kerb 50. 028518
Influence of *autumn-winter* **lucerne** management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions [Lolium multiflorum]. 027459
The effect of **mean** *winter* temperature around o degrees centigrade on the population size of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). 029195
Bees [Apis **mellifera]** in *winter.* 029859
Wintering of **new** first-class varieties of winter rape. 027059
Looking after **pastures** in *winter.* 027400
Parasitic fungi on [forage] legumes during the *winter* **period** in the foothill zone of Kabardino-Balkaria. 028018
Measurement of *winter* **precipitation** in windswept areas. 030702
Additional lighting of lilies [Lilium] (cv. **"Enchantment")** in the *winter* to **prevent** flower-bud abscission [Varieties, forcing]. 027588
Experiment in **protecting** *winter* wheat from diseases. 028465
Biological bases [growth, flowering] for applied biological control of *winter* **rape.** 027057
Wintering of new first-class varieties of *winter* **rape.** 027059
The herbicides Treflan [trifluralin] and Lasso in *winter* **rape.** 028591
Accelerated improvement of *winter* **rye** with production of two generations in the course of one year. 027532
Use of urea and growth substances in *winter* **rye** and oats [Yields]. 027553
Key problems of the *winter* **season** [Logging]. 025135
Study of the inheritance of sedimentation indicator of **soft** *winter* wheat. 026262
Overwintering, **sources** of infection and development cycle of Phytophthora infestans (Mont.) de By. [Late blight of potatoes]. 028017
Temperature-induced phase changes on the kinetics of photosynthetic electron transfer in *winter* and **spring** wheat chloroplasts. 026908
Filament formation in vitro of a sieve tube protein from Cucurbita maxima and Cucurbita pepo *[Winter* **squash,** pumpkins]. 027276
Unusually severe granulation of *winter* **stores** caused by nectar from ivy, Hedera helix, in Ireland [Honey]. 022489
Occurrence of fungi of the genus Fusarium on fruits and vegetables during their *winter* **storing** in the Turkmen SSR. 027989
Overwintering **structures** in Connecticut for nursery stock. I. The plant response [Cold injuries]. 028352
Field surveys on coccidial [Eimeria] infection in broilers in Japan—**results obtained in autumn** and *winter* and **summarized** in 1973. 024631
Overwinter **survival** and spring emergence of the bollworm **[Heliothis zea]** in **Arkansas** [Cotton]. 028735
Summer gain as influenced by *winter* **treatment** [Forage, protein supplements, cattle]. 023867
Dry weather retarding **USSR** *winter* grains [Production]. 021531
Acceleration of *winter* **wheat** vernalization when grown under controlled conditions [for breeding]. 026251
The evaluation of the initial [breeding] material of *winter* **wheat** for resistance to loose smut [Ustilago tritici]. 026268
Winter **wheat** [variety] Krasnovodopadskaia 210. 026279
An apparent relationship of soluble sugars with hardiness in *winter* **wheat** varieties. 026925
An apparent relationship of soluble sugars with hardiness in *winter* **wheat** varieties. 026926
The cultivation and management of *winter* **wheat** in the TibetAutonomous Region. 027389
Yield of *winter* **wheat** in relation to preceding crops and fertilizers. 027554
Quality of seeds and yield of *winter* **wheat.** 027563
Influence of sowing dates, soil amendments, and cultivars on wheat spindle streak mosaic in *winter* **wheat.** 028231
The winter fly [Leptohylemyia coarctata], a pest of *winter* **wheat** in the German Democratic Republic. 028808
Components of test weight of ten varieties of *winter* **wheat** grown with two rates of nitrogen fertilizer application. 030477
Results from two experiments with *winter* **wheat,** comparing todressings of a liquid N [nitrogen]-fertilizer either alone or with added herbicide or mildew fungicide or both, and of 'Nitro-Chalk' without or with the herbicide or fungicide or both. 030479
Late nitrogen topdressing of *winter* **wheat** [Yields]. 030550
Optimization of fertilizer doses for topdressing of *winter* **wheat** after inorganic analysis of the plants for 1975. 030552
The influence of nitrogen and benlate on leaf-area duration, grain growth and pattern of N-, P- and K-[nitrogen, phosphorus, potassium] uptake of *winter* **wheat** Triticum aestivum). 030570

WIRE

Wire **gauze** size and the efficiency of Berlese-Tullgren funnels [Soils]. 030278

WIREWORMS

The orientation response of Ctenicera destructor and other *wireworms* **(Coleoptera:** Elateridae) to germinating grain and to carbon dioxide. 029290
Seasonal vertical movement of *wireworm* **larvae** in Missouri: influence of soil temperature on the genera Melanotus Escholtz and Conoderus Escholtz [Maize]. 028711

WITCHES

The relation between the shoots of plants inoculated with *[witches'* **broom]** Cornyebacterium fascians [Peas]. 028135
Stem *witches'* broom of fruits and forest trees [Virus diseases]. 028197

WITHANIA

Withanolides Q and R, two new 23-hydroxy-steroidal lactones *[Withania* **somnifera].** 026635

WOLVES

The influence of burrowing and thermoregulatory behaviour on the water relations of Geolycosa godeffroyi (Araneae: Lycosidae), an **Australian** *wolf* spider. 029463
Surgical treatment of posterior luxation and radius deformation in a *wolf* **dog.** 024970
Sound production by **nearctic** *wolf* spiders [Lycosa and Schizocosa]: a substratum-coupled stridulatory mechanism. 029490

WOMEN

Nutrient needs and food **costs** of *women.* 022087
Handicrafts: a source of employment for *women* in **developing** rural economies. 021114
Nutrient **intake** of *women.* 022086

Nutritional adequacy of diets of a selected group of **low-income** *women:* identification of some related factors. 022102
Developing the *woman* **manager.** 022291
Comparison of the nutritional status of pregnant adolescents with adult **pregnant** *women.* II. Anthropometric and dietary findings. 021997
Dietary requirements of **pregnant** *women.* 022188

WOOD

Utilization of the heat-treated bark as a filler of *wood* **adhesives.** 025431
Plant communities of the Irwin Prairie and **adjacent** *wooded* areas. 025887
Mastering the production of rectified top grade **alcohol** [from *wood].* 025311
Thinning in a maple [Acer]-beech [Fagus] stand in view of producing yellow birch [Betula **alleghaniensis**] *wood.* 025223
Wood **anatomical** classification using iterative character weighing [Rubiaceae, numerical taxonomic studies]. 025576
Changes in mineral contents of cotyledons and young seedlings of *woody* **angiosperms** [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310
The effects of autumn foliar urea sprays on storage forms of nitrogen extracted from bark and *wood* of **apple** shoots. 027204
Termite (Isoptera) suppression with toxic *[wood]* **baits.** 028928
The pulping of woods with barks. I. The cleaning of mixed stock, *wood* and **bark** pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
On parameters of forces in relation to **barking** of *wood.* 025401
The pulping of *woods* with **barks.** I. The cleaning of mixed stock, wood and bark pulp from beech [Fagus] wood, by the use of the 600 Bauer centri-cleaner. 025274
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on drying property of **beech** *wood* [Fagus sylvatica]. 025428
Study of lyes of bisulfite **boilings** [of *wood].* 025329
The chinone and pulp relation in higher plants. IV. The biosynthesis of catalpalacton and catalponol in *wood* of **Catalpa** ovata. 026522
Constitution of the sesquiterpenoid, centdarol [from the *wood* of **Cedrus** deodara]. 027330
Toxicity tests of some chemicals against **certain** *wood-staining* fungi. 025381
Ammonia treatment of *wood.* I. **Changes** in wood characteristics. 025286
Study of the mechanism of low-temperature oxidation of *wood* **charcoal** in air. 025333
The effect of accompanying admixtures on the oxidation rate of n-cymene from *wood* **chemical** processing. 025341
The methodology of optimization of technological processes of *wood* **chemical** industry. 025348
The planning of working capital in *wood* **chemistry** industry under new conditions of economic operation. 025094
The composition of black acid [a semiproduct of processing pyroligenous distillate] from *wood* **chemistry** enterprises. 025339
Degree of filling of the feeding chutes of *wood* **chippers.** 025355
On modernization of auto transport of *wood* **chips.** 025446
Static hysteresis in **compressed** *wood* of birch in relation to compression along the fibers. 025410
Compression *wood* in Pinus radiata clones on four different sites [Influence of genotype]. 025220
Longitudinal shrinkage of **compression** *wood* [of Pinus silvestris] in dependence on water content and cell wall structure. 025934
The drying [of *wood]* through **condensation** and it's application. 025290
Study of the supermolecular structure of *wood* and **cotton** cellulose by the method of alcoholysis in higher alcohols. 025334
Volume of *wood* and the **current** and average increment of Populus X euramericana clone I-214, Populus X euramericana cv. robusta, and some other clones and cultivars after 12 years of rotation at the poplar experimental plantation of Veliko Polje. 025251
Studies on the rate of decay of wood litter on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of **decaying** *wood.* 025429
Dimensions of wood fibers and nominal volume weights of *wood* in **dependance** of two different silvicultural technologies, according to the age and height of the tree of clone I-214 [Populus euramericana]. 025244
Observations on lignicolous aquatic fungi [Ecology, distribution, *wood* **destroying** fungi]. 025377
New life for old *[wood-frame]* **dwellings;** appraisal and rehabilitation. 025265
Wood as an **energy** source for ruminants [Feeding]. 023741
The influence of *wood* and **fiber** properties on kraft converting-paper quality [Tsuga heterophylla]. 025512
Dimensions of *wood* **fibers** and nominal volume weights of wood in dependance of two different silvicultural technologies, according to the age and height of the tree of clone I-214 [Populus euramericana]. 025244
Trees and energy *[Wood* as **fuel].** 025354
Moisture control in laboratory tests with *wood-rotting* **fungi.** 025379
The effect of poor gluing on the strength of **glued** *wooden* beams under a uniformly distributed load. 025413
Tests on evaluation of the performance of end coatings on **green** *wood.* 025426
The mesquite, a forage tree, a wealth which should be utilized better [Prosopis juliflora, also a source of *wood* and **gum,** Colombia]. 027860
Dielectric properties of *wood* and **hardboard:** variation with temperature, frequency, moisture content, and grain orientation. 025531
On "Marking the *wood* **harvest".** 025294
Collembola from *wood* **holes** in Styria (Austria) [New taxa]. 029673
Strain variations among Fomes durissimus Lloyd [Swietenia mahogani, Casuarina equistetifolia, Mimusops elengi, India] attacking different **host** *wood.* 027887
The dynamics of **Hueston** *Woods* and a review of the question of the successional status of the southern beech-maple forest [Fagus grandifolia, Acer saccharum]. 025889
Automatic and program control of the process of *[wood]* **hydrolisis.** 025297
Mathematical description of the process of filtration during vertical percolation *[Wood* **hydrolisis].** 025312
Mechanical-chemical destruction of polysaccharides of cellolignin in the presence of phosphoric acid *[Wood* **hydrolisis].** 025313
Periodical extraction of furfurol with trichloroethylene from water solutions *[Wood* **hydrolisis].** 025318
Study of the composition of monosaccharides in sulphite media by the method of paper chromatography *[Wood* **hydrolisis].** 025332
The increase of the effectiveness of directional crystallization of gypsum [from *wood* **hydrolisis].** 025345
The kinetics of drying hydrochloric acid hydrolizate mass with air *[Wood* **hydrolisis].** 025346
The role and regularities of the process of biosorption when treating waste waters of *[wood]* **hydrolisis.** 025350
The utilization of active silt [at a *wood* **hydrolisis** mill]. 025351
Modified flotation method of determining alcohol in water solutions containing admixtures *[Wood* **hydrolysis].** 025316
Production functions and limit indices in calculating the efficiency of production at *[wood]* **hydrolysis** enterprises. 025409
Refractometry of *[wood]* **hydrolyzate.** 025326
Effect of concentration of potassium in the medium on the content of protein in fodder yeast [grown on *wood* **hydrolyzates].** 023030
Wood **imports** vital for Swedish forest industries. 025499
Effects of knots on the mechanical properties of plywood from **Indian** *wood* species. 025372
Utility of **indigenous** *wood.* 025463
Main objectives of **industrial** *wood* processing in the next planning period. 025282
Role of the forest and *wood* **industry** within the framework of developmental policy of the German Federal Republic. 025090
Determination of moisture in wood-based materials treated with oil *[Wood* **industry].** 025371
Resistance of wood plastic combinations to *wood-destroying* **insect** attacks. 028941
Studies on the prevention of checks during drying. 2. Drying schedule for the boxed heart of **Larix** *wood.* 025417
Alkaloids of the *wood* of **Liriodendron** tulipifera. 027313
Studies on the rate of decay of *wood* **litter** on the [Quercus] forest floor. II. Dry weight loss and CO2 [carbon dioxide] evolution of decaying wood. 025429
Gas chromatographic determination of pentosans in plant raw **material** *[Wood].* 025308
Determination of moisture in *wood-based* **materials** treated with oil [Wood industry]. 025371
On the forming of a bundle of round *wood* **materials** by compression. 025404
Comparative studies on cellulolytic enzyme lignin and **milled** *wood* lignin of sweetgum and spruce [Liquidambar styraciflua, Picea abies]. 025362
Study of **new** *woody* species as raw material for the hydrolisis industry. 025330
Northern *wood* in the construction of beehives. 029857
Insecticide recommendations and spray calendar for shade trees and *woody* **ornamentals.** 028834
Inheritance of gall midge (Pachydiplosis **oryzae** *Wood* Mason) resistance in rice with particular reference to cytoplasmic influence on its expression. 028719
The role of research in the development of *wood-based* **panel** industries. 025496
On the behaviour of *wood* **particles** in hot air-steam mixtures—a contribution of the improvement of particle drying in particle board plants. I. 025376
Passiflora foetida, a widespread host of **passionfruit** *woodiness* virus in Queensland. 028157
On calculating the stresses and deformations in non-homogeneous material of *woody* **plants.** 025399
Modes of sympodial development in *woody* **plants** of the temperate zone. 025969
Resistance of *wood* **plastic** combinations to wood-destroying insect attacks. 028941
The formation of carboxylic acids from *wood* **polysaccharides** during kraft pulping. 025472
Improvement of the characteristics of veneer boards made from **poplar** *wood* by moddification of their outer layer. 025517
Industrial utilization of **poplar** *wood* in Romania. 025518
Obtaining details of stable dimensions from **poplar** *wood.* 025520
Physico-mechanical properties of the **poplar** *wood* from floodable areas. 025521
Poplar *wood* processing by hydrolysis. 025522
State and perspectives of chemical processing of **poplar** *wood* in Czechoslovakia. 025523
State of the industrial use of **poplar** *wood* and its perspectives in Hungary. 025524
Use of softwood broadleaved species from natural forests and plantations for obtaining sulphate pulp **[Poplar** *wood].* 025525
Evolution of chlorinated phenols from concentrated boron solutions containing these phenols added as their sodium salts *[Wood* **preservation].** 025465
Investigations of the impregnating behaviour of tributyl-tin oxide in different *wood* **preservative** formulations with the help of an active substance labelled with carbon isotope. 025374
Penetration of oil-borne *[wood]* **preservative** in American elm [Ulmus americana]. 025477
On the interaction between bacterial and *wood* **preservatives.** 025380
Delignification of *wood* using **pressurized** oxygen. II. Kinetics of lignin oxidation. 025469
Basic principles of *wood* **processing.** 025280
Potential content of the antioxidant in the resin oils produced by the Ashinskii *[wood* **processing]** establishment. 025319
Pneumatic transport of bark *[Wood* **processing,** pulp and paper]. 025452
Wood **production** from Juglans nigra. 025281
Coulometric determination of organic substances in the concentrates of spent liquor from *[wood].spirit* **production.** 025302
For *wood* **products** firms: the use of financial indicators. 025284
Methods of investigating the carbohydrate fraction of sulfite alkalis *[Wood* **pulp** processing]. 025314
Production of furfural and furan compounds [using *wood* **pulp** and cereal lignin] in foreign countries. 025321
The improvement of the quality of tall fatty acids and colophony in operating installations *[Wood* **pulp** and paper mills]. 025344
Kinetics of each stage of the bleaching sequence CEHD *[Wood* **pulps].** 025378
Studies on the utilization of xylan and glucomannan in *woods.* I. **Purification** and separation. 025422
Introduction of a predacious **red** *wood* ant, Formica lugubris(Hymenoptera: Formicidae), from Italy to eastern Canada [Forest insect pests, biological control]. 028925
Study of some characteristics of **Rhododendron** *wood* species and their suitability for particle board manufacture under laboratory conditions. 025514
The use of **rigid** *wood* frames, a method of self help construction in agriculture [Barns]. 029937
Air layering *[Woody* or **semi-woody** shrubs]. 027681
The paramagnetic properties of **settled** *wood* tar. 025349
Air layering [Woody or *semi-woody* **shrubs].** 027681
Production of charcoal briquettes at the **Siavskii** *wood* chemistry mill. 025320
The content of colophony in fresh [pine] **stump** *wood.* 025340
Decomposition of litter on forest floor. III. Decomposition of *woods* in **subalpine** forest. 030249
Boll weevil [cotton pests, control]: survival in hibernation cages and in **surface** *woods* trash in central Texas. 028748
The effect of BFCA [boro-fluoride-chrome-arsenic] preservative on shrinkage property of beech [Fagus **sylvatica**] *wood.* 025427
On the problem of isolation of pyrocatechol from gas-generated acid water *[Wood* **technology].** 025406
Methods of working up the volume of *wood* in **thinning** cuttings in poplar stands. 025519
Moisture and density of Populus **tremula** *wood* with consideration of its sex. 025397
Studies on the high-yield pulping of **tropical** *woods.* I. On the neutral sulfite semi chemical pulping. 025271
Anatomical characters and identification of **tropical** *woods.* I. Elaeocarpus and Sloanea (Elaeocarpaceae). 025272
Development and future of *wood* **utilization.** 025356
Manufacturing interior furniture parts: a new look at an old problem *[Wood* **utilization].** 025537
Effect of deicing salts on *woody* **vegetation** along Minnesotaroads; final report, 1975 [Injuries]. 025059
Substances having an opalescent effect on *[wood]* **vinegar** acid. 025336
Wood **waste** [utilization]. 025270
Methods of establishing optimum dimensions of production in the utilization of low-grade lumber and *wood* **waste.** 025396

WOODLAND

Phytogeographical relationships of the northern islands of the New Hebrides *[Woodland* **ecology].** 025917
A computer simulation model for population studies of *woodland* **pool** Aedes mosquitoes. 029009
Field investigations on Aedes fitchii mosquito populations in a *woodland* **pool** ecosystems. 029043

WOOL

Sources of variation for *wool,* **body** weight and estrous characters in Romney hoggets [Sheep]. 024186
Diffusion of regain in **bulk** *wool.* 9. Restrictive influence of a cardboard container. 022696
Surface properties of *wool* **fibers.** 022654

Chemical control of **fleece** *wool* and sheep dip micro-organisms. 022694
Kinetic studies of the tryptophan triplet state in solid film and in *wool* **keratin.** 022697
Action of alkaloids on keratinic fibers in relation to morphological structure. II. Action of alkalis on proteins constituting morphological structures *[Wool,* **mohair,** dog hair]. 022767
Skeletal muscle, liver and *wool* **protein** synthesis by sheep infected by the nematode trichostrongylus colubriformis. 024429
The role of crimp in the assessment of *wool* **quality.** 022712
Increasing the *wool* **quality** of sheep in Ural Region. 022719
Effect of grasses fertilized with carbamide and diammonium phosphate on the chemical composition of meat and physical properties of the *wool* of **sheep.** 022715
Sulfhydryl groups in **[sheep]** *wool.* 022717
Action of alkalis on keratinic fibers in relation to morphological structure. 1. Action of alkalis on the disulfide bridge of cystine in relation to morphological **structure** *[Wool].* 022660
World *wool* production in 1975. 021648
Intensification of sheep husbandry in the central Volga River area [Meat and *wool* **yields].** 023172

WORK

Comparison of *work* done in the **air** and on the ground [Farm management, agrotechnology]. 021267
Design, construction, and *working* of an **animal** house in Scotland. 029942
Larval recognition by *workers* of the **ant** Myrmica [rubra, Myrmica scabrinodis]. 029210
Study on teratological changes in **ant** *workers* of Formica rufa group (Hymenoptera, Formicidae). 029383
Thoughts on the new trends of the [dairy industry] **Association's** *work.* 022573
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 2. Effect of age and storage conditions of virgin queens on their **attractiveness** to *workers.* 029803
The induction and the oncogenic mechanism of urinary bladder cancer in rats with N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) and its isotope labelled form (FANFT-C14). 2. Studies including the **biochemical** *work,* isotopic distribution and the probable mechanism of tumor induction. 024867
Some aspects of the lucerne **breeding** *work* in the GDR [German Democratic Republic] against Verticillium albo-atrum. 026176
Results of 60 years of **breeding** *work* [Apis mellifera]. 029788
The planning of *working* **capital** in wood chemistry industry under new conditions of economic operation. 025094
Testing the terracing machinery with **combination** *working* parts. 030086
System of management and control of *work* with **explosives** in Czechoslovakia [Safety engineering]. 029982
Study on the intensity of sericultural work. I. Characteristics of changes in heart rate of the **farm** *workers* in mounting and mulberry [Morus] harvesting by machine. 021254
Insurance of accidents in **farm** *work* [Brazil]. 021437
Putting waste water to *work* **[Fertilizer** utilization]. 030443
Quality of *work* of the E280 **fodder** chopper in the whole-plant harvesting of cereals [East Germany]. 030010
Problems of wear of the *working* **group** piston-cylinder in the engines Z-5501 and Z-V4001. 029999
Intensive *work* [of the N. I. Vavilov All-Union Scientific-Research Institute of Plant Industry] in the final year of the ninth five-year-plan period. 025568
Recording of *work* **load** of forest personnel, methodological problems and recommendations. 025089
The experience of operating cotton harvesting **machines** *working* at various height in the Pakhtaaral state farm [Kazakh SSR]. 030071
Group use of 8 kg/s combined harvesters and threshers [Cereals, harvesting, *work* **management].** 021294
Turnovers correlated with maximum and minimum manual labor [Forest labor, *work* **management].** 025105
How will the intervention price rise on the butter **market** *work?* 021484
Establishing typological base of *work* **means** and modalities by skidding and transport of round timber, in the case of some coupes within Forest Enterprise for Logging and Transport Brasov. 025478
Continuous forest inventory in the General Administration of the National Forest Inventory (summary of three years of *work)* **[Mexico].** 025153
Hygiene during *work* with **mineral** fertilizers. 030571
New data on the ecology of the ant Proformica ferreri Bondroit., with special reference to **nurse** *workers.* 029378
Ergonometric principles for **organizing** *work* places with machines. 021291
Plants on *working* **places** with the effect to improve microenvironment. 027847
Improving estimates of stand basal area in *working* **plan** [forest] inventories. 025149
A review of *work* on **potentiometric** titration of south Indian soils. 030296
Preliminary *work* of a monograph on the lichen family Roccellaceae Chev. I. The genus Sagenidium Stirt. [New taxa]. 025623
Bibliography on the genus Arvicola Lacepede; *work* **published** in Europe from 1900 to 1972 (excluding Russia) [Rodents causing severe damage crops]. 028420
Implements [harrows] for seedbed preparation; studies of the mode of working and the *working* **results.** 030112
Microanalysis in **routine** *work.* II. Evaluation of [cereal] proteins. 022815
[Results of *work* of] **scientists** of the Scientific-Research Institute of Vegetable Farming [in breeding]. 026280
Study on the intensity of **sericultural** *work.* I. Characteristics of changes in heart rate of the farm workers in mounting and mulberry [Morus] harvesting by machine. 021254
Investigation of the *work* of a **series** of experimental plow bases [Construction, operation]. 030134
Design data for plywood for concrete **shuttering** *work.* 025382
Effect of underpressure oscillation on *work* **stability** of a pneumatic pulsator [Equipment]. 029995
Rotary cultivator for *working* with **straw.** 030035
Single service for — people at *work* and **study.** 022269
Studies in fruit-body development in the Bolbitiaceae [Fungi] and the [taxonomic] implications of **such** *work.* 025784
Analysis of *work* of the **sugar** factories of the Latvian SSR in the processing of raw cane sugar in 1974 [Productive capacity]. 021800
About labor conditions of **temporary** *workers* and employees [in agriculture]. 021118
Possibilities for cooperating in cattle rearing. Effects onconstruction planning, *work* **time** and capital requirement. 021300
Evaluating utilization of *working* **time** of equipment of automated production lines [Forest industries]. 025133
Results of *work* [of **tobacco** industry] groupings in 1974, plans for the final year of the five-year period. 021804
Outdated methods of *work* [in **tobacco** industry] should be abandoned. 027528
Urgent *work* for the closing year [Plant protection, Crimea]. 028482
Determination of the quantitative relationship between time **varying** *work* load and aortic blood flow and heart rate in the dog. 023549
Veterinary *work* at a primate collection in kenya. 024375
Trial-following by the army ant, Neivamyrmex nigrescens: responses by *workers* to **volatile** odors. 029223
Methods of *working* up the **volume** of wood in thinning cuttings in poplar stands. 025519
Behavioural studies on queen introduction in the honeybee [Apis mellifera]. 3. Relationship between queen attractiveness to *workers* and **worker** aggressiveness towards a queen. 029804
Implements [harrows] for seedbed preparation; studies of the mode of *working* and the **working** results. 030112

WORMS

Variation in [cultivated varieties of] Brassica oleracea resistance to cabbage looper [Trichoplusia ni] and imported **cabbage** *worm* [Pieris rapae] in the greenhouse and field. 028874
Corn **ear** *worm* [Helicoverpa armigera conferta] control with phenthoate. 028777
Parasites of domestic and laboratory animals in the Netherlands. 2. **[Parasitic** *worms,* insect pests]. 024733

WORTS

A new rapid spectrophotometric determination of hop bitterness in beer and *wort,* including the **EBU-determination.** 022537
Conditioning factors in malt and **unprocessed** *worts.* 022387

WOUND

Treatment of *wounds* on **Acer** rubrum with Trichoderma viride [caused by fungi and bacteria]. 027954
Localised tetanus in a dog as a *wound* **complication;** diagnosis and successful treatment. 024566
A literary review of *wound* **healing** and the effects of zinc on wound healing. 024992
Operative care of **infected** *wounds* with an exchange suture [Dogs]. 024363
Closed-wound **irrigation** of compound and contaminated fractures as a preventive and treatment for osteomyelitis [Dogs, cats]. 024927
Susceptibility of apricot tree **pruning** *wounds* to infection by Eutypa armeniacae [Cytosporina dieback]. 028062
The reaction of hair follicles in the vicinity of full-thickness excised **skin** *wounds* in the dog. 024978
Contribution to the treatment of udder lesions and **teat** *wounds* in cattle with Actihaemyl. 024994
Staining reactions of the tissue bordering lesions induced by *wounding,* **tobacco** mosaic virus, and tobacco necrosis virus in [kidney] bean. 028262

XANTHENE

Xanthene **dye-sensitized** photooxidation in the black imported fire ant, Solenopsis richteri. 028646

XANTHIUM

Form changing effect of colchicine in *Xanthium* **[albinum].** 026424
Germination of cocklebur *[Xanthium* **pensylvanicum]** seeds: interactions between gibberellic acid, benzyladenine, thiourea, KNO3 [potassium nitrate] and gaseous factors. 026388

XANTHOMONAS

[Xanthan gum from *Xanthomonas* **campestris]** for strength and elasticity [Protein sources]. 021995
Biology and control of *Xanthomonas* **hyacinthi** in hyacinths. 028123
About the development of [cotton] varieties with complex resistance [to *Xanthomonas* **malvacearum** and Rhizoctonia solani]. 028143
The distribution and the lysis patterns of the bacteriophages of *Xanthomonas* **malvacearum,** the incitant of bacterial blight of cotton. 028149
Studies on the leaf blight of rice plant. III. A metabolite of the pathogenic bacteria *[Xanthomonas* **oryzae].** 028151
Screening for genetic host resistance against the bacterial leaf spot disease in tomato incited by *Xanthomonas* **vesicatoria** (Doidge) Dowson. 028137
Resistance of tomato varieties to black bacterial spot *[Xanthomonas* **vesicatoria].** 028142

XENOBIOTICS

Ecological chemical evaluation of waste treatment procedures: the behavior of *xenobiotics* in **waste** composting. 030877

XIPHINEMA

Spread and control of Prunus stem pitting [Peaches, tomato ringspot virus, transmitted by *Xiphinema* **americanum].** 028196

XYLANS

Studies on the utilization of *xylan* and **glucomannan** in woods. I. Purification and separation. 025422
Enzymatic hydrolysis of **hardwood** *xylans.* II. Isolation of five beta-1 lead to 4-xylanasen from three commercial enzyme products. 025363

XYLEM

In vitro effect of acidity levels on *xylem* **differentiation** in Plumeria [rubra]. 026530

XYLOPIA

Isolation of lanuginosine from a Malagassy species of Annonaceae, *Xylopia* **lemurica.** 026745

XYLOTRUPES

Observations on the biology of *Xylotrupes* **gideon** (Coleoptera: Scarabaeidae: Dynastinae) in Melanesia. 029394

YAMS

Bitterness of Dioscorea **cayenensis** *[Yams].* 022916
Particulate properties and rheology of **pregelled** *yam* (Dioscorea rotundata) products. 022934
A study in the prefermentation process to increase the yield of steroidal diosgenin and the multipurpose usage of starch from the tubers of Dioscorea **zingiberensis** *[Yams].* 022886

YARNS

Application of the B-V electronic hairness tester to the **cotton** *yarns:* nature and efficiency of the measure. 022768
Contribution to the study of the influence of turbine cleanliness on the properties of cotton open-end **spun** *yarns.* 2. 022769
Open-end **spun** *yarns* made from blends: their properties during bobbin formation [Polyester, cotton]. 022770

YEARLINGS

Feedlot performance and carcass evaluation of various two-breed cross steers fed at weaning **age** and as *yearlings.* 023906

YEAST

Studies on the oxidative catalytic activity of vitamin B12. IX. Inhibition of *yeast* **alcohol** dehydrogenase by vitamin B12 in the presence of thiol compounds. 022213
The intrinsic zinc atoms of *yeast* **alcohol** dehydrogenase. 026396
Comparative genetics of *yeast.* XIV. **Analysis** of wine strains of Saccharomyces neutral to killer strain of type k2. 026284
Preliminary studies on fermentative production of tryptophan [Candida **arborea,** *yeasts].* 026328
Induction of petite mutations during germination and outgrowth of Saccharomyces cerevisiae *[yeasts]* **ascospores.** 026194
Antigenic independence of some microbial urate oxidases [Fungi, **bacteria,** *yeasts].* 026611
Baker's *yeast* as a protein supplement in corn meal muffins. 022343
Increase of NADase activity during storage of pressed **baker's** *yeast* [Saccharomyces cerevisiae]. 022369
The isolation and characterization of perixosomes (microbodies) from **baker's** *yeast,* Saccharomyces cerevisiae. 026383
Kinetic studies of leucyl transfer RNA synthetase from **Bakers'** *yeast:* Order of addition of substrates and release of products. 026628
Studies on the energy metabolism during the respiratory process by **Baker's** *Yeast* [Saccharomyces cerevisiae]. 026825

On the mechanism of petite genesis in *yeast.* IV. **Biochemical** characterizaton of a conditional cytoplasmic mutant producing petites at restrictive temperature. 026090
Study of returns obtained from using liquid **brewer's** *yeast* as a feed supplement to chicken rations [Costs]. 021438
The amino acid sequence of purothionin A, a lethal toxic protein for **brewer's** *yeasts* [Saccharomyces cerevisiae] from wheat [flour]. 026350
The stereospecificity of alcohol oxidases from Tanacetum vulgare [leaves] and [the *yeast]* **Canadia** boidnii. 026397
Citric acid production from various raw materials by *yeasts* [**Candida** lipolytica]. 022494
Study of cell walls of **Candida** *yeast.* 026007
Effects of thiamine and pyridoxine on the respiratory activities of Saccharomyces **carlsbergensis** *[Yeasts].* 026591
Fine structure of the *yeast* **cell** accompanied by changing the growth phase [Saccharomyces cerevisiae]. 026010
The biosynthesis of aroma compounds by microorganisms. I. Formation of N-acetyl-amines by Saccharomyces **cerevisiae** *[Yeasts].* 022554
CYP3 a likely candidate for the structural gene of iso-2 cytochrome C in Saccharomyces **cerevisiae** *[Yeasts].* 026089
Host-mediated assay and urinary assay with the same mice for the detection of chemical mutagens in Saccharomyces **cerevisiae** *[Yeasts].* 026093
Action of "colonie lisse" mutation on cell morphology of Saccharomyces **cerevisiae** *[Yeast].* 026117
Regulation of the ilv 1 multifunctional gene in Saccharomyces **cerevisiae** *[Yeasts].* 026215
Frequency of nonsense mutations (amber and ochre) induced by UV [ultraviolet] light in the ura3 gene in Saccharomyces **cerevisiae** *[Yeasts].* 026222
Electron microscopic observations on the meiotic karyotype of diploid and tetraploid saccharomyces **cerevisiae** *[Yeasts].* 026236
Evidence for three glutamic acid transporting systems with specialized physiological functions in Saccharomyces **cerevisiae** *[Yeast].* 026393
Isolation and properties of an arginine-binding protein from Saccharomyces **cerevisiae** *[Yeasts].* 026552
Effectiveness of various unsaturated fatty acids in supporting growth and respiration in Saccharomyces **cerevisiae** *[Yeasts].* 026627
Requirements for unsaturated fatty acids for the induction of respiration in Saccharomyces **cerevisiae** *[Yeasts].* 026630
Thermal injury and recovery of Saccharomyces **cerevisiae** *[Yeast].* 026644
Gene dosage effects in polyploid strains of Saccharomyces cerevisiae *[Yeasts]* **containing** gua-1 wild-type and mutant alleles. 026193
Regulation of mitochondrial biogenesis: enzymatic changes in **cytochrome-deficient** *yeast* [Saccharoomyces cerevisiae] mutants requiring delta-aminolevulinic acid. 026198
The effect of caffeine on survival of UV-[ultra violet]-irradiated **diploid** *yeast* [Saccharomyces cerevisiae] strains of different sensitivities. 026227
Determination of uric acid precursors in **dried** *yeast* and other forms of single-cell protein. 022507
Improvement of substrate preparation from peat hydrolyzates [for growing **feed** *yeasts].* 023032
State standard for **feed** *yeasts.* 023034
Protein from petroleum *[Yeasts* as **feed].** 023072
Turnover of polyadenylated messenger RNA in **fission** *yeast* [Schizosaccharomyces pombe]. Evidence for the control of protein synthesis at the translational level. 026148
The effect of 8-hydroxyquinoline on enzyme synthesis in the **fission** *yeast* Schizosaccharomyces pombe. 026556
The regulation of riboflavin synthetase synthesis by iron in **flavinogenic** *yeasts* [Pichia, Torulopsis, Candida, Schwanniomyces occidentalis]. 026400
Production of a mixture of amino acids [for food and drugs] by autolysis of hydrolyzed **fodder** *yeast.* 022438
Effect of concentration of potassium in the medium on the content of protein in **fodder** *yeast* [grown on wood hydrolyzates]. 023030
Enrichment of **fodder** *yeast* with vitamine D2. 023031
The immune response to polysaccharides from *yeast-like* **fungi** in sensitized experimental animals. 024651
Study of nature of interrelations of *yeast* of the **genus** Saccharomyces in champagne manufacture. 022998
Induction of p- mutants in Saccharomyces cerevisiae *[yeasts]* by **guanidine** hydrochloride. II. Conditions that prevent p- induction. 026225
Yeast **hexokinase** A: succinylation and properties of the active subunit. 026557
The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae *[yeasts].* III. **Higher** alcohols as byproducts of the biosynthesis of amino acids. 026868
Loss of cytochrome oxidase in Saccharomyces cerevisiae *[Yeasts]* during **inhibition** of mitochondrial protein synthesis by erythromycin and chloramphenicol. 026647
High resolution 31P [phosphorus isotope] nuclear magnetic resonance studies of **intact** *yeast* cells. 026811
Studies on the fermentation of citric acid from N-alkanes by Candida **lipolytica** B74 *[Yeasts].* 026330
Development of intracellular oil globules and a membrane structure surrounding the core lipids in the *yeast* **Lipomyces** starkeyi. 026590
Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae *[yeasts]:* **meiosis** with defective ascospore wall formation. 026197
Pyridine nucleotide-linked oxidation of methanol in **methanol-assimilating** *yeasts* [Pichia pinus, Candida boidianii]. 026625
Microbody of **methanol-grown** *yeasts* [Saccharomyces cerevisiae]. Localization of catalase and flavin-dependent alcohol oxidase in the isolated microbody. 026554
Yeasts of **normal** honeys from various sources [Food contamination]. 021837
Osmophilic *yeasts* [Saccharomyces rouxii] in preserved ginger products. 022503
Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral **petite** *[Yeasts].* 026125
Hydrogen bonding in *yeast* **phenylalanine** transfer RNA. 026812
Limited proteolysis of *yeast* **phosphofructokinase** by subtilisin: Alterations in enzyme activity, subunit composition, and hydrodynamic properties. 026553
Synthesis of beta-glucanase and other extracellular proteins by cells and protoplasts of the *yeast* **Pichia** polymorpha. Effect of 2-deoxy-D-glucose. 026382
Cytochemical localization of catalase activity in methanol-grown Hansenula **polymorpha** *[Yeasts].* 026377
Investigation of the possibility of using lignin to purify the **post-fermentation** *yeast* sediments [from hydrolysis establishments]. 030899
The algorithm of management of the pure-culture of hydrolytic [fodder] *yeast* **production.** 023035
Soviets **promote** *yeast* for livestock protein [Feed supplements]. 023028
Influence of [soy, fish, *yeast]* **protein** supplements on growth of Staphylococcus aureus and production of enterotoxins. 021926
The fine structure of conidial development in the genus Torula. I. Torula herbarum (Pers.) Link ex S. F. Gray and Torula herbarum f. **quaternella** Sacc. *[Yeasts].* 025996
Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. A study by proton magnetic **resonance** *[Yeasts].* 026411
The relationship between the ability to reduce 2,3,5-triphenyl tetrazolium chloride and aroma formation in various strains of sake [rice beer] *yeast* [**Saccharomyces** cerevisiae]. 022778
The Genetic effects of elevated temperature in the *yeast,* **Saccharomyces** cerevisiae. 026162
Cytogenetic demonstration of mitotic chromosomes in the *yeast* **Saccharomyces** cerevisiae. 026214
The mating reaction in *yeast* [**Saccharomyces** cerevisiae]. II. Spontaneous occurrence of omnimating types. 026216
A kinetic analysis of spontaneous p-mutations in *yeast* [**Saccharomyces** cerevisiae]. 026220
Ethidium bromide mutagenesis in *yeast* [**Saccharomyces** cerevisiae]: protection by anaerobiosis. 026221
Genetic activity of niridazole in *yeast* [**Saccharomyces** cerevisiae]. 026223
Induction of DNA double-strand breaks by X-rays in a radiosensitive stain of the *yeast* **Saccharomyces** cerevisiae. 026224
Repair of UV [ultraviolet]-induced DNA damage and survival in *yeast* [**Saccharomyces** cerevisiae]. I. Dimer excision. 026226
Analysis of inheritance of the sensitivity of *yeast* [**Saccharomyces** cerevisiae] to radiation and nitrous acid. 026283
Regulation of transcription in *yeast* [**Saccharomyces** cerevisiae]. 026339
Subunit interactions in *yeast* [**Saccharomyces** cerevisiae] glyceraldehyde-3-phosphate dehydrogenase. 026405
Glycogen, a physiological determinant of *yeast* [**Saccharomyces** carlsbergensis] flocculation? 026454
The relationship of acid-soluble glycogen to *yeast* [**Saccharomyces** carlsbergensis]. 026460
Temperature-sensitive mutants of the *yeast* [**Saccharomyces** cerevisiae] fatty-acid-synthetase complex. 026555
Timing and function of chitin synthesis in *yeast* [**Saccharomyces** cerevisiae]. 026626
Serological specificities of sake [rice beer] *yeasts* [**Saccharomyces** cerevisiae]. 026642
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of *yeast* [**Saccharomyces** cerevisiae] irradiated with low doses of ultraviolet light. 026650
Influence of energy metabolism on the repair of X-ray damage in Living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of *yeast* [**Saccharomyces** cerevisiae]. 026824
A study of the chromosomes of the *yeast* **Schizosaccharomycespombe** by light and electron microscopy. 026002
Simple and sensitive procedure for **screening** *yeast* [Saccharomyces cerevisiae] mutants that lyse at nonpermissive temperatures. 026196
Valyl tRNA's [transfer ribonucleic acids] of Anacystis nidulans [Algae; tests with aminoacyl synthetase from barley **seedlings** and *yeasts].* 026773
Polybase induced lysis of *yeast* **spheroplasts.** A new gentle method for preparation of vacuoles [Candida utilis]. 026380
New [pneumatic] tree facer for resin tapping using *sulfite-yeast* [as **stimulator].** 025317
Fermentative production of fumaric acid from liquid N-paraffin by Candida rugosa *[Yeasts].* II. **Studies** on the fermentation conditions. 026326
On-line measurement of gas-exchange conditions in fermentation processes [Candida **utilis,** *yeasts].* 022384
Mitochondrial structure studied by high voltage electron microscopy of thick sections of Candida **utilis** *[Yeasts].* 026026
Preservation of **wet** *yeast* for animal feeding. 023014
Metabolism of **wine** *yeasts* according to storage conditions [Fermentation]. 022994

YELLOW

Sulphate uptake and metabolism in the chrysomonad, Monochrysis lutheri *[Yellow-green* **alga].** 026381
Epidemiological problems of **barley** *yellow* dwarf virus in Hungary. 028160
Problems and possibilities for control of BYDV [**barley** *yellow* dwarf virus] in Britain [Aphids, vectors]. 028162
Effects of early and late infectious of BYDV (**barley** *yellow* dwarf virus) on cultivars of barley (Hordeum vulgare) with and without the Yd2 gene. 028230
Aphid transmission and epidemiology of **barley** *yellow* dwarf and maize dwarf mosaic in southern France. 028696
Partial purification and serological relationship of three strains of **bean** *yellow* mosaic virus [Kidney beans, peas]. 028217
The nature of [kidney] bean yield reduction by **bean** *yellow* and bean common mosaic viruses. 028263
Resistance in Glycine max [soybean] to isolates of **bean** *yellow* mosaic virus in New York State. 028268
Crown release accelerates diameter growth and crown development of *yellow* **birch** [Betula alleghaniensis] saplings. 025260
Rapid indexing procedures for **detecting** *yellow* speckle disease in grapevines [Virus diseases]. 028267
Studies on [aster] *yellows* **disease** of parsley and celery [Scleroracus flavopicta, mycoplasma-like organisms]. 028274
Effects of bulb vernalization on yield and quality characteristics of outdoor grown **Golden** *Yellow* Freesia hybrida. 027763
Environmental impact of **Lethal** *Yellowing* disease of coconut palms. 028359
Lethal *yellowing:* intensive probe is launched [Coconuts, diseases of unknown origin]. 028440
Malayan Dwarf [Diseases of unknown origin] palm, resistant to **lethal** *yellowing,* is recommended for planting in Florida. 028441
Morphological and cytological differences within the species Lupinus luteus L. *[Yellow* **lupine].** 025577
Epiphytotic character of Ceratohorum [setosum] disease of the *yellow* **lupine** in the Udmurt ASSR. 028010
Chlorophyll synthesis in a *yellow* **mutant** of wheat. 026900
Beet **necrotic** *yellow* vein virus and its relation to the fungus, Polymyxa betae. 027965
Bionomics of the green rice leafhopper, Nephotettix virescens (Distant) in paddy field regarding the *yellow* **orange** leaf virus disease transmission. 028789
Cytoplasmic inclusions in *yellowing* **parsley** leaves [presumably due to a virus infection]. 028212
Electron microscopy of vesicular-arbuscular mycorrhizae of *yellow* **poplar** [Liriodendron tulipifera]. II. Intracellular hyphae and vesicles. 025995
Thinning in a maple [Acer]-beech [Fagus] stand in view of **producing** *yellow* birch [Betula alleghaniensis] wood. 025223
Specimens of spring wheat [varieties] resistant to races of stem and *yellow* **rust** [Puccinia graminis tritici, Puccinia glumarum]. 026261
Genetic control of durable resistance to *yellow* **rust** (Puccinia striiformis) in the wheat cultivar Hybride de Bersee. 027897
Deposition of Puccinia striiformis *[yellow* **rust]** uredospores on adult wheat plants in laboratory experiments. 027936
The *yellow* **rust,** Puccinia striiformis West. 028032
Turnip *yellow* mosaic virus-RNA replication in Chinese cabbage. 028247
Sonchus [oleraceus] *yellow* **vein** virus, a new virus disease of sowthistle. 028233
Virus *yellows* control accessible to every farm [Sugarbeets]. 028289
The response of various breeding lines of lettuce to beet **western** *yellows* virus. 026083
Effects of beet **western** *yellows* virus on crambe in the greenhouse. 028264

YERSINIA

Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and *Yersinia* **enterocolitica** antigens [Mice]. 024479

YIELD

Influnece of varied soil cultivation and sowing speeds on *yields* of **agricultural** crops [Cereals, culture, mechanization]. 027530
Effect of N [nitrogen], P [phosphorus], and K [potassium] on the *yield* of **American** cotton variety 320 F in Sri Ganganagar tract of Rajasthan [Fertilizers]. 030442
Science, technology and the university in the development of the agricultural sector [Crop cultures, *yields,* **Angola].** 025566

Effect of irrigation regimes on trunk and fruit growth rates, quality and *yield* of **apple** trees. 030662
The effect on the *yields* of **barley** and kale of soil conditions induced by cultivation at high moisture content. 027422
Crop physiological aspects of coffee **bean** *yield:* a review. 026638
The nature of [kidney] **bean** *yield* reduction by bean yellow and bean common mosaic viruses. 028263
Beef *yield* on an alfalfa field [Grazing, Argentina]. 023692
Pulsating overhead irrigation and **cabbage** *yields.* 030671
Why the **cacao** *yield* is low in the south of Bahia [Plant diseases]. 028342
New isotope methods for estimating milk intake and *yield* **[Calves].** 023769
The effects of plant population, irrigation frequency and cultivars on *yield* and **canning** qualities of tomato fruits grown under hot tropical conditions. 027640
Yielding **capacity** of irrigated pasture and chemical composition of fodder according to the level of fertilizer application. 030578
Relationship between leg troubles and movement defects and fattening performance, **carcass** *yield* and retention capacity [Swine]. 024815
Application of fertilizers to irrigated lands of the Volga area **[Cereal** *yields].* 030574
Yield, **chemical** composition and dry matter intake of R.v.P ryegrass varieties [Lolium, sheep]. 023071
Influence of temperature on growth of Froker oats for forage. II. Concentrations and *yields* of **chemical** constituents. 026935
Effects of nitrogen and phosphorus on the *yield* and **chemical** composition of meadow foxtail [Alopecurus pratensis]. 030435
For the *yield* of the **closing** year of the Five-Year Plan [Cereal production]. 021823
New 1974 varieties: Kvart red **clover** *[Yields].* 027550
Florida corn production: Are better *yields* **coming?** [Fertilizers]. 030541
Breeding implications from a diallel analysis in two environments of *yield* and **component** characters in Upland cotton (Gossypium hirsutum). 026301
Yield, **composition** and dynamics of flora in grasslands for hay. 027364
Yield, **composition** and dynamics of flora in grasslands for hay in Finland. 027365
Yield and **composition** of midland bermudagrass [Cynodon dactylon] selected by beef cows and calves. 027424
The growth and development indexes of cotton and a diagnosis of its high and **consistent** *yield.* 027390
Corn *yield* and nutrient uptake as affected by water-table depth and soil submergence. 026889
The 1975 Iowa **Corn** *Yield* Test report. District 6 [Varieties]. 027466
The 1975 Iowa **Corn** *Yield* Test report. District 4 Bottomland [Varieties]. 027467
The 1975 Iowa **Corn** *Yield* Test report. District 3 [Varieties]. 027468
The 1975 Iowa **Corn** *Yield* Test report. District 1 [Varieties]. 027469
The 1975 Iowa **Corn** *Yield* Test report. District 2 [Varieties]. 027470
The 1975 Iowa **Corn** *Yield* Test report. District 5 [Varieties]. 027471
The 1975 Iowa **Corn** *Yield* Test report. District 4 Upland [Varieties]. 027472
Fertilizer application and sweet **corn** *yield.* 030487
Enhanced **cotton** *yields* with minimum use of water. 027393
'Planofix' for enhanced **cotton** *yields.* 027394
Preceding crops and the *yields* [of **cotton].** 027436
Photorespiration in relation to **crop** *yield.* 027416
Relations between soil moisture content and **crop** *yield* on a Tonschwarzerde soil in the central part of the Thuringian Basin. 030182
Effects of fertilizer, barnyard manure, and crop residues on irrigated **crop** *yields* and soil chemical properties. 030437
Experiments with scientific control of plant feeding on a Tachov branch farm [Mineral fertilizers, field **crop** *yields].* 030547
Effect of liming peat-bog soils on change in their agrochemical indices and **crop** *yields.* 030557
Effect of rotary soil tillage on agrophysical soil properties and **crop** *yields* [Sugarbeets, wheat]. 030599
The effect of non-root fertilizer supplements on the physiological indices and **cucumber** *yield* in hydroponic greenhouses [Soiless culture]. 027301
Influence of micronutrients on **cucumber** *yields.* 030488
Agricultural investigation and its influence on Chilean agriculture: wheat and maize **[Culture,** *yields].* 027524
Studies on the Satsumadori-crossbred-broilers produced by crossing with some other breed. II. On the **dissecting** *yields.* 024049
Production potential of sugarbeets under irrigation in the West Oakes Irrigation **District** *[Yields].* 030640
Effect of some soil amendments on plant growth, survival and *yield* of **dry** beans (Phaseolus vulgaris L.) in relation to sodium toxicity. 028379
The economic threshold of infestation for the cotton bollworms [Pectinophora gossypiella, Earias insulana] on *yield* in **Egypt.** 028801
Dependent and independent combinability of *yield* **elements** and the Central European ideotype of wheat [Breeding]. 026150
Influence of climatical conditions on growth and **flower** *yield* of Anthurium andreanum. 027609
Chloroplast fluorescence of C4 [carbon] plants. II. A photographic technique for obtaining relative **fluorescence** *yields* and spectra photographically [Dichanthium annulatum]. 026802
Forage *yield* potential of some grasses. 027419
A study of variation in **fruit** *yield* and related characters in two diallels of the lowbush blueberry, Vaccinium angustifolium Ait. 026115
Effect of different rootstocks on vigour, *yield* and **fruit** quality of blood red orange (Citrus sinensis Osbeck) [Culture]. 027761
Growth, *yield,* and **fruit** quality of virus-infected and virus-free Golden Delicious apple trees. 028181
Yield **gradients** in cocoa (Theobroma cacao L.)—shade and fertilizer experiments. 030409
Genetic analysis and combining ability of **grain** *yield* components of maize inbred lines. 026151
Inheritance of **grain** *yield* and its components in two crosses of rice (Oryza sativa L.). 026237
Effect of partial defoliation during the vegetative phase on subsequent growth and **grain** *yield* of maize. 027366
The influence of distance between rows and crop density on **grain** *yield* and dry matter content in grain maize. 027568
Technology of soybean cultivation for **grain** *[Yields].* 027577
Best radish varieties for plastic **greenhouses** *[Yields].* 027776
Tomatoes on straw bales in unheated **greenhouses** *[Yields].* 027791
Multiple cutting of sown grasslands in the central Urals **[Hay** *yields,* composition, costs]. 027581
Bacterization of chickpeas can produce **heavier** *yields* in the Negev. 027748
Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring **herbage** *yields* under irrigated and dry conditions [Lolium multiflorum]. 027459
Consumers' responses to **high** *yielding* varieties of rice. 021580
Feeding of **high** *yield* cows. 023743
Study for the manufacture of unbleached **high** *yield* pulp from bagasse. 025366
Light conditions and their regulation for wheat stand in **high** *yield* field. 026941
How we succeeded in obtaining **high** *yield* of wheat. 027386
Studies on root distribution pattern of some **high** *yielding* paddy varieties. 027426
High *yields* on large areas [Sunflower culture]. 027571
Yield and **improvement** experiments of Douglas fir in Hungary [Pseudotsuga menziesii]. 025187
An estimate of the variability of the *yield* of **individual** strawberry plants and its significance for a breeding programme. 026202
Effects of form and amounts of nitrogen and magnesium fertilisers on the *yield* and on the **inorganic** and organic composition of Italian ryegrass [Lolium multiflorum] grown on magnesium deficient soil. 030484
Care of the early potato under **irrigation** *[Yields].* 030669
Note on the *yield* of **jowar** [durra] and groundnut and cost of tillage under various tillage systems. 030590
Partial milk yield and age at first calving as the measures to predict **lactation** *yield* in Jersey cattle. 024081
Production of vegetables on irrigated **lands** *[Yields].* 030670
Relationship among macronutrients, boron and zinc contents of coffee **leaves** and *yield.* 026526
Small-log sawmill systems in Western Canada: headrig downtime, rough, green **lumber** *yield* from sound, straight logs, log throughput, volume productivity analysis procedure. 025540
Crop equivalent rating guide for soils of Minnesota *[Yields,* **maize,** wheat, alfalfa, Poa]. 027450
Use of liquid manures for **maize** *[Yields].* 030426
Effect of sowing time on the growth and *yield* of **Malachra** capitata L. 027759
The effect of root and foliar nutrition on the growth, development and *yield* of **mandarin** orange fruits [Soil and foliardressing with fertilizers]. 030539
The effect of mulching of humus calcareous soils on the *yield* of **mandarin** oranges. 030618
Irrigation for **maximum** *yields* [Economic crops]. 030652
Genetic improvement of **milk** *yield* in Sardinian ewes. I. Heritabilities and correlations between characters. 024015
Milk *yield* in mice selected for growth or maternal ability. 024053
Partial **milk** *yield* and age at first calving as the measures to predict lactation yield in Jersey cattle. 024081
Effect of month, season and sequence of calving on **milk** *yield* in Italian buffaloes. 024250
Heritability estimates for **milk** *yield* by daughter-dam-regression and problems related to it [Cattle]. 024283
Mo [molybdenum] and N [nitrogen] effects on growth, *yield,* and **Mo** composition of burley tobacco. 026890
Yield and **morphological** response of rape (Brassica campestris L. cv. Span) to irrigation and fertilizer treatments. 027385
The effect of fertilizers on the *yield* of **mushrooms** in pine forests located in the region along the middle part of Angara River. 030503
Effects of CO2 [carbon dioxide] nutrition on growth and *yield* of **muskmelon** (Cucumis melo L.), eggplant (Solanum melongena L.) and sweet-pepper (Capsicum annuum L.). 027598
Is is necessary to fertilize with sulfur? [Rape, **mustard** *yields].* 030549
Streamflow chemistry and **nutrient** *yields* from upland-peatland watersheds in Minnesota. 025022
Oat *yield* losses from septoria leaf blotch [Leptosphaeria avenaria] at four locations in eastern Canada. 027931
Use of urea and growth substances in winter rye and **oats** *[Yields].* 027553
Effects of the treatments by enzymatic preparations and tannin phenolics absorbent agents in extracting the olive oil by single pressure process on the **oil** *yield,* on the analytical characteristics of the oils and of the wastewaters. 022979
Effect of manganese and sulphur fertilization on growth and *yield* of **onions** grown on alkaline low moor peat soil. 030395
Effects of spacing and nitrogen level on growth and *yield* of **pimento** [Capsicum annum]. 027716
Comparison of post mortem changes in ultrastructure of the masseter and longissimus dorsi muscle of **pits** *yielding* pale, soft exudative meat. 021840
Carrot seed production. I. Effects of plant spacing on *yields* per **plant** and per hectare. 027661
Knowledge gained at the liquid manure experimental farm of the Federal Experimental Station at Bumpenstein [Forage **plant** *yields,* effects of feeding on dairy cattle]. 030423
Irrigation of meadows [Forage **plant** *yields].* 030741
Marrowstem kale as the main crop [Forage **plants,** *yields].* 027368
Organization of unbroken sequence of forage **plants** *[Yields].* 027582
Take notice of soil properties when applying liquid manures [Forage **plants,** *yields].* 030425
Potatoes in crop rotations of **Polesye** *[Yields].* 027783
Influence of zonal conditions on **potato** *yield* [Ivanovo-Frankovsk Region]. 027780
Direct and residual effect of green manures and other organic residues on soil aggregation and **potato** *yield.* 030483
Effect of application dates for organic fertilizers on **potato** *yields.* 030556
Yield **potential** of soybean as related to soil compaction induced by farm traffic. 030178
Climatic variability and world grain **production** *[Yields].* 027408
Protein *yields* from bones destined for processing [Cattle, sheep, swine]. 022702
An economic evaluation of different selection alternatives as means for improvement of milk **protein** *yield* [Dairy cattle, genetics]. 024152
Studies on the *high-yield* **pulping** of tropical woods. I. On the neutral sulfite semi chemical pulping. 025271
Milling of paddy in relation to *yield* and **quality** of rice of different Indian varieties. 022774
Contribution of leaves and stems to *yield* and **quality** of Russian wild ryegrass [Elymus junceus] and Altai wild ryegrass [Elymus angustus]. 023019
Influence of pseudocryptorchidism on growth, *yield* and **quality** of meat [Cattle]. 023650
The *yield* and **quality** of grain of barley varieties under different mineral fertilization levels [in breeding intensive types]. 026278
Effect of the level of nitrogen nutrition on *yield* and **quality** of planted grass stands. 027060
Yield and **quality** of corn and grain sorghum grain and residues as influenced by N [nitrogen] fertilization. 027360
Season and summer flush seeds and their influence on *yield* and **quality** of rainfed Karunganni cotton (Gossypium arboreum L.). 027395
Effect of six 4-year rotations on *yield,* **quality,** and monetary return of sugarbeets in the Red River Valley (1971-74). 027527
Yield and **quality** of sunflower seeds. 027579
Effects of bulb vernalization on *yield* and **quality** characteristics of outdoor grown Golden Yellow Freesia hybrida. 027763
Yield and **quality** losses due to alfalfa weevil [Hypera postica]. 028703
Experiments on the harmful effect of Aculus pelekassi K. On the *yield* and **quality** of essential lemon oil. 028857
Compost nutrient balance: effects on growth of tomato plants, fruit **quality** and *yield.* 030394
Influence of fertilizers on *yield* and **quality** of a young citrus orchard in Kenya. 030401
Effect of foliar fertilisation on *yield* and **quality** of rainfed Cambodia cotton. 030451
The effect of copper, cobalt and molibdenum microfertilizers on the *yield* and **quality** of buckwheat. 030560
Effect of mineral fertilizers on *yield* and **quality** of forage grass stands of cultivated pastures in the western forest-steppe region of the Ukraine. 030561
Effects of fertilizers on fruit length and *yield* of **ratoon** Smooth Cayenne pineapple crop in Sierra Leone. 030396
Optimization of water use efficiency under high frequency irrigation. I. Evapotranspiration and *yield* **relationship.** 030737
Yield **response** [of field crops and vegetables] to soil warming: economic feasibility [of utilizing energy production waste waters]. 021363
Yield **response** to soil warming: agronomic crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 026895
Yield **response** to soil warming: vegetable crops [Soil temperature for optimum growth, utilization of energy production waste waters]. 027106
Note on the *[yield]* **response** of hybrid bajra-4 [pearlmillet] to different levels of nitrogen. 030470
Clover root curculio [Sitona hispidulus]: Control with granular carbofuran as measured by alfalfa regrowth, *yield,* and **root** damage. 028749

New 1974 varieties: Valaska tufted red fescue [Festuca **rubra,** *yields].* 027549
The relation between nutrition state and *yield* of **Scotch** pine (Pinus sylvestris L.) in north eastern Bavaria. 025189
The effect of the growing of onion bulbs and their weight on **seed** *yield.* 027856
Effect of nitrogen and phosphorus fertilization on **seed** *yield* of late cauliflower—(Brassica oleracea var. botrytis). 030472
Irrigating for maximum alfalfa **seed** *yield.* 030642
Selecting *high-yield* varieties of tomatoes for greenhouse culture. 027855
Tile and surface drainage of clay soils. II. Hydrologic performance with field crops (1962-72). III. Corn, oats, and **soybean** *yields* (1962-72). 030717
Taking into account of *high-yielding* **stands** [Forest appraisal]. 025130
A study in the prefermentation process to increase the *yield* of **steroidal** diosgenin and the multipurpose usage of starch from the tubers of Dioscorea zingiberensis [Yams]. 022886
Modification of the botanical composition and dry **substance** *yield* of grass and white clover mixtures from the use of different Dactylis varieties. 027369
Influence of weed competition on **sugarbeet** *yield* [Polygonumlapathifolium, Chenopodium album, Commelina communis, Echinochloa crusgali]. 028581
Investigations on the effects of stubble and catch crop treatments on physical soil properties and *yields* in a **sugarbeet** rotation on a Pseudogley-Parabrown soil. 030257
Moisture supply and *yield* of **sugarbeets** in various groups of rotated crops. 027560
Effects of fertilizers and weather **[Sunflower** *yields].* 030575
Emergence, seedling growth and *yield* of **sweet** corn after pregermination at high temperature. 027725
Grade and *yield* **[Swine,** carcasses]. 022655
Site and growth of the important bamboo plantations in Taiwan. V. Chu—pien bamboo [Bambusa beecheyana, weight and the *yield* **tables].** 025080
The effect of forms of nitrogenous fertilizers on agrochemical properties of brown forest soils and the *yield* of **tea** leaves. 030535
The effect of various methods of trimming on the *yield* of **tea-bush** plantations of different age on podzolic soils. 027864
Grain sorghum performance tests in **Texas,** 1974 *[Yields].* 027458
Influence of trellising on growth and *yield* of **'Thompson** Seedless' [grape] vines [in California]. 027698
Effects of nematicides on the nematode populations and *yield* of **tobacco.** 028408
Effects of chemicals and plastic mulch on nematode populations and *yield* of **tomato.** 028407
Is it possible to obtain *yields* of 10 **ton/hectare** of grain? 027498
Studies on milk production in cattle. II. Usefulness of partial lactation records for selection. Relations between partial, last test day and **total** *yields.* 024019
Results from experiments measuring the effects of large amounts of an NPK [nitrogen, phosphorus, potassium] fertilizer on *yield,* **tuber** size and N, P and K contents of three potato varieties. 030478
The size of [potato] **tubers** and their *yield.* 027790
Effects of potato cyst nematodes on potato plants. IV. Effects of fertilisers and Heterodera rostochiensis on the *yield* of **two** susceptible varieties. 028403
Corn performance tests in Texas, 1974 *[Yield,* **varieties].** 027457
As is the maize **variety,** so is the *yield.* 027401
Aftereffects of herbicides [Vegetables, potatoes, *yields,* **weed** control]. 028524
Use of liquid manure for potatoes *[Yields,* **weed** control]. 030427
Effect of sulphur and phosphorus application on soil characteristics, nutrient uptake and *yield* of **wheat** crop. 026980
Do tillage practices affect **wheat** *yields?* 027555
Preceding crops and **wheat** *yield.* 027575
Late nitrogen topdressing of winter **wheat** *[Yields].* 030550
New method of tillage of fallow soil planted to spring wheat [Soil management, **wheat** *yields].* 030629
Yield of **winter** wheat in relation to preceding crops and fertilizers. 027554
Quality of seeds and *yield* of **winter** wheat. 027563
Effect of nitrogen fertilizers on *yield* of **winter** crops grown in soddy-podzolic loamy soils of the Belorussian Polesye. 030558
Intensification of sheep husbandry in the central Volga River area [Meat and **wool** *yields].* 023172
$28 million added cash from state hybrid corn during last 14 **years** *[Yields].* 027505

YOGHURT

Consumer **attitudes** toward *yogurt.* 022267
Fermented lactic acid products and their dietetic properties: *yoghurt,* **bioghurt** and biogarde. 022581
Fermented lactic acid products and their dietetic properties: *yoghurt,* **bioghurt** and biogarde. 022582
Pretreatment of milk and skim milk for the manufacture of **buttermilk** and *yoghurt.* 022572
Quality **control** of *yoghurt.* 021870

YOLKS

Factors promoting vitellogenic competence and *yolk* **deposition** in the cockroach [Periplaneta americana] ovary: the postecdysis female. 029411
Vitellogenin synthesis in the avian liver: vitellogenin in the precursor of the **egg** *yolk* phosphoproteins. 023491
Cholesterol content and fatty acid composition in **egg** *yolks* and blood plasma of poultry [Dietary effects]. 023717
Livability of albino and normal bull spermatozoa at 5 degrees Centigrade in citrate, milk and **tris** *yolk* extenders. 024252

YOUNG

Growth of the understorey and beech [Fagus] stands of a *young* **age.** 025119
Effects of dormancy factors on the growth of vegetative buds of *young* **apple** trees [Chilling requirements]. 027118
Carotene content in blood serum of *young* **Arabian** camels in ontogenesis. 023451
Development of some *young* **aspen** [Populus tremuloides] stands in Arizona. 025263
Effect of anthelmintic and selenium drenching on live-weight gain in *young* **beef** cattle. 024652
Interaction of aflatoxin with Eimeria tenella infection andmonensin in *young* **broiler** chickens. 024442
Study of the quality of beef. I. Biochemical study of the aging of *young* **bull** meat. 022643
Fixing the final weight of *young* **bulls** of different gene design with special reference to the growth function. 023268
Relationships between the performances of ancestors and direct offspring as well as between first inspection results of *young* **bulls** and their breeding values. 4. Relationships. 024029
Cardiovascular and endocrine responses to feeding in the *young* **calf.** 023547
Leucodystrophic lesions in the brain of *young* **cats.** 024903
Productivity of *young* **cattle** fed a ration enriched with Propiovit [Costs, returns]. 023963
Genetic study of early activity in open-field of the *young* **chicken.** 024016
The susceptibility of *young* **chickens,** ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. 024821
Management of *young* **chicks** [Rearing]. 023139
Influence of fertilizers on yield and quality of a *young* **citrus** orchard in Kenya. 030401
Interrelationship between heights of *young* **conifers** and indices of needle development in their crowns. 027329
Serum calcium and magnesium levels during pregnancy and at calving in heifers and *young* **cows,** and the relationship between these components and the incidence of puerperal paresis in older half-sisters. 024253
Biochemical diagnosis of degenerative myopathy of **early** *young* cattle. Study of two cases observed in a Lyons slaughterhouse. 024831
Economics of **establishing** *young* pecan orchards [Costs, returns]. 021423
Full ration feed mixtures with different nutritive value in **fattening** *young* **Italian White geese.** 023808
Beef production, **fattening** *young* cattle. Energy supplementation of diets with a maize silage base. 023911
Area housing for *young* and **fattening** cattle. 029918
Slatted floor bays for *young* and **fattening** cattle. 029927
Feeding *young* slaughter calves requires permanent attention. 023788
Ill-effects of feeding mouldy peanut hay to *young* **goats** [Aspergillus nidulans, mycotoxicosis]. 024955
Hepatic aminopyrine N-demethylase, acetanilide hydroxylase and lipid peroxidation in *young* **growing** rats during the treatment of insecticides. 024944
Cholesterol esterification and lipids in plasma and liver from newborn and *young* **guinea** pigs raised on milk and non-milk diet. 022170
Quality of hides and skins of *young* **Hereford** and Simmental hybrids [Properties, composition]. 022720
Protection against zinc deficienc by prior excess dietary zinc in *young* **Japanese** quail. 022142
Carcinogenicity of the food additive furylfuramide in foetal and *young* **mice.** 021954
Lymphocytosis in **normal** *young* pigs. 024830
Responses of the two-spotted spider mite, Tetranychus urticae Koch., to *young* and **old** leaves, upper and lower surfaces of leaf. 028678
Test allows early detection of *young* **[orange** and grapefruit] tree decline [Diseases of unknown origin]. 028442
Utilization of amino acids administered enterally or parenterally to *young* **pigs.** 023540
Changes in body fluid compartments with growth in *young* **pigs.** 023625
Competition quotient in *young* **Pinus** radiata. 025913
Protect *young* dogs from Distemper. 024522
Test results for **rearing** *young* cattle in open box stalls. 023134
Measurement of milk consumption in *young* **ruminants** [lambs and calves] using tritiated water. 023829
Changes in mineral contents of cotyledons and *young* **seedlings** of woody angiosperms [Acer rubrum, Fraxinus pennsylvanica, Robinia pseudoacacia]. 027310
Distribution of enzymatic browning of *young* **shoot** homogenates [as taxonomic character] in the Aurantioideae [including cultivated citrus species]. 025585
Preliminary studies on the development of *young* **spikes** in the second crop of the double cropping rice. 027388
Effects of timing of fertilization of *young* **spruce** [Picea]. 030460
Growth peculiarities of *young* **stands** of spruce in cutover areas. 025120
The significance of spruce undergrowth in the formation of *young* **stands.** 025131
Annual changes in heritability values of *young* **sugi** [Cryptomeria] seedlings. 025202
Stimulation of branching in *young* **tea** plants. 026318
Growth and development of *young* **tomato** plants [in greenhouse culture]. 027607
An experimental container for quantitative recording of root growth of *young* **trees** under varied conditions in the root region. 025544
Amino acid requirements of the *young* **turkey:** leucine, isoleucine and valine. 023711

YOUTH

Needs of *youth* [4-H **clubs].** 021095
Modern science for the future environment and social **university** *youth* activities. 030882

YTTRIUM

Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, *yttrium,* **zirconium,** niobium and barium in the Steiger slates (Vosges, France). 030200

ZANTHOXYLUM

Alkaloids and coumarins from *Zanthoxylum* **belizense.** 026713
Alkaloids from the root bark of *Zanthoxylum* **myriacanthum.** 026715

ZEA *see* MAIZE

ZEARALENONE

Naturally occurring derivatives of *zearalenone* **[Fusarium,** fungi]. 026593

ZEBUS

Effectiveness of selection for growth rate in *Zebu* X **British** crossbred cattle. II. Post-weaning growth and genetic estimates. 024032
Trials of *Zebu* **cattle** fattening based on rice polish in north Cameroon. 023791
Note on artificial insemination of *Zebu* **cattle** in Madagascar after synchronisation of estrus by norethandrolone. 024150
Inhibited development of Cooperia punctata and Cooperia pectinata larvae in *Zebu* **cattle** of Niger. 024639
Additional note on serum alkaline phosphatase activity in bloat in *Zebu* **[cattle]** and ruminal impaction in buffaloes. 024843

ZEIRAPHERA

Action of Bacillus thuringiensis preparation against larch bud moth, *Zeiraphera* **diniana** (Gn.), enhanced by beta-exotoxin and DDT. 028936

ZETHUS

New records for *Zethus* from **Texas** (Hymenoptera: Eumenidae). 029589

ZIGNOELLA

Revision of **algicolous** *Zignoella* spp. And description of Pontogeneia gen. nov. (Ascomycetes) [New taxa]. 025626

ZINC

Zinc **accumulation** and growth of corn seedlings as affected by endosperm removal. 026896
Interrelationship among **available** *zinc,* copper and phosphorus in soil. 030243
The absorption by boar spermatozoa of *zinc* **bound** to low molecular weight ligands. 024129
Relationships between **clinical** *zinc* deficiency symptoms and zinc status in lactating cows. 024935
Relationship among macronutrients, boron and *zinc* **contents** of coffee leaves and yield. 026526
Liming effects on the toxicity to perennial ryegrass [Lolium perenne] of a sewage sludge contaminated with *zinc,* **copperand** chromium. 028360
Nutrient status of wheat crop in Ludhiana *[Zinc* and **copperdeficiencies].** 028350
The meliacins (limonoids): minor constituents of Khaya anthotheca: reduction of the meliacins with *zinc-copper* **couple.** 027325
Protection against *zinc* **deficienc** by prior excess dietary zinc in young Japanese quail. 022142
Zinc **deficiency** and protein synthesis in the pig. 023646
Protection against zinc deficienc by prior excess **dietary** *zinc* in young Japanese quail. 022142
Zinc **dificiency** in Utah field corn—its diagnosis and treatment. 028454
Effects of *zinc-smelter* **emissions** on forest soil microflora. 028344
Effect of Zn, *[zinc]* **Fe** [iron] and moisture on the availability of Zn, Fe annd Mn [manganese] in soil. 030240
Zinc in **foods.** 022089
Toxicity of *zinc* to the **green** alga Selenastrum capricornutum as a function of phosphorus or ionic strength. 028357
The **intrinsic** *zinc* atoms of yeast alcohol dehydrogenase. 026396
Influence of acute tissue injury on in vitro incorporation of 6 5 Zn *[zinc* **isotopes]** by sheep erythrocytes. 024966
Effect of *zinc* **level** in rations on sperm production of bulls. 024263
Zinc **nutrition** and temperature effects on tomato. 027206

Experimental studies on the absorption of *zinc* from different **parts** of the small intestine and various Zn compounds [Rats, metabolism]. 023601
Hazards to predators feeding on prairie voles killed with *zinc* **phosphide** [rodenticide]. 029141
The effect of *zinc* and **phytic** acid on the incorporation of 1-14C [carbon isotope]-acetate into aflatoxin by resting mycelia of aspergillus parasiticus [Fungi, soybeans]. 021983
Estimation of critical limit for *zinc* in **rice** soils. 030203
Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, *zinc*, **rubidium**, strontium, yttrium, zirconium, niobium and barium in the Steiger slates (Vosges, France). 030200
Boar **seminal** *zinc-precipitable* protein and the haemagglutinin. 024115
Zinc **sorption** on soil clays. 030325
Relationships between clinical zinc deficiency symptoms and *zinc* **status** in lactating cows. 024935
Studies on the toxicity of *zinc* **sulphate** and of cadmium sulphate to stone loach Noemacheilus barbatulus (L.) in hard water [Pollution]. 030927
Influence of *zinc* on **symbiotic** nitrogen fixation by soybean (Glycine max Linn.) in silt loam soil. 030222
Nutritional physiology of *zinc* and **symptoms** of its deficiency in some field crops. 028364
New light on *zinc* [**Trace** element deficiencies]. 021994
Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, calcium, and *zinc* in **wheat** during maturation. 026973
A literary review of wound healing and the effects of *zinc* on **wound** healing. 024992

ZINGIBER

Comparison of growing media for ginger *[Zingiber* **officinale**]. 027859

ZIRCONIUM

Geochemical investigations on the composition and depositional environment of paleozoic marine pelites: the content of the major elements and trace elements nickel, copper, zinc, rubidium, strontium, yttrium, *zirconium,* **niobium** and barium in the Steiger slates (Vosges, France). 030200

ZIZYPHUS

Alkaloids from Rhamnaceae. XXVI. Nummularine -D, -E and -F, new cyclopeptide alkaloids from *Zizyphus* **nummularia**. 026839

ZOISIA

Cold hardening and carbohydrate composition of **Meyer** *Zoysia* [japonica]. 027103

ZONE

Hydrogeothermal methods of studying the percolation properties of soils of the *zone* of **aeration**. 030385
In view of an integrated approach of deveopment of pasture in **arid** *zones:* considerations from a case in South Tunisia. 021307
Knowledge of the ecosystems of semi-arid and **arid** *zones* in the Middle-East and North Africa: trend of ecological research in view of development. 025915
Water management in **arid** *zones:* how to use surface water. 030695
The breeding of tomato varieties for canning for the **central** *zone* [of the USSR]. 026265
Study of electrical drainage as applied to clay soil in a land **creep** *zone.* 030667
Suggestions for a strategy of development of arid pastoral and **desert** *zones* of Tunisia. 030598
Some aspects of the development of **Djerid** *zone* South Tunisia [Water resources]. 030694
Development of complex mechanization of forest regeneration in the *zone* of **excess** soil moisture. 030082
Phosphorus uptake by soybeans as influenced by [soil] moisture stress in the **fertilized** *zone.* 026891
Parasitic fungi on [forage] legumes during the winter period in the **foothill** *zone* of Kabardino-Balkaria. 028018
Familiar plants in **foreign** *zones* [Horticultural varieties]. 027803
Certain problems of poplar seedlings cultivation in conditions of the mountainous **forest** *zone* of Mongolia. 025243
Effectiveness of soil-protective crop rotations for erosion control in the **forest-steppe** *zone* of the Ukrainian SSR. 030600
A sex-chromosome **hybrid** *zone* in the grasshopper Podisma pedestris (Orthoptera: Acrididae). 029362
Clogging of screens and **intake** *zones* in collector wells [Groundwater]. 030752
Drainage—the major element of reclamation [in the **new** *zone* of the Golodnaya Step']. 030673
"The **noiseless** *zone"* at the foot of the Tatry Mountains [Forests, recreational uses]. 025021
The project for scenic parks and *zones* of **protected** landscape in the Lublin province. 030838
Distribution of salts in the **root** *zone* [Soil water]. 030232
For a synthetic approach of socio-economic and ecological problems of arid and **semi-arid** *zones.* 021124
Use of saline water for irrigated soils in arid & **semi-arid** *zones* of Rajasthan. 030660
Shoot *zone* uptake of soil-applied herbicides in some legume species [Broadbeans, scarlet runner beans, vetch]. 028603
Correct calculation of the effectiveness of fixed capital [in collective farms of the **subtropical** *zone].* 021442
Establishing forest stands in the **taiga** *zone* [Silviculture]. 025205
Mechanization of logging operations in the **taiga** *zone.* 025433
Timber harvesting operations in the **taiga** *zone* of the USSR and abroad. 025434
Modes of sympodial development in woody plants of the **temperate** *zone.* 025969
Regularities in the action of fertilizers on growing **tobacco** in various *zones.* 030542

ZONING

Management, classification and *zoning* of **New** Zealand indigenous forests. 025150

ZOOCENOSES

Studies of the [invertebrate] *zoocenosis* of a **"natural"** environment: the Brachypodium phoenicoides land in lower Provence [Insects included]. 029255

ZOOGEOGRAPHY

Systematics and *zoogeography* of the **family** Neopseustidae with the proposal of a new superfamily (Lepidoptera: Neopseustoidea). 029701
A new Floridian Polycyrtidea [floridana] with comments on *zoogeography* of **Florida** Mesostenini (Hymenoptera: Ichneumonidae) [and comparison with Polycyrtidea limitis from Texas]. 029587
Studies of the subtribe Tachyina (Coleoptera: Carabidae: Bembidiini). III. Systematics, phylogeny, and *zoogeography* of the **genus** Tachyta Kirby [New taxa]. 029700

ZOOLOGY

The American dermestid beetle [Reesa vespulae], a pest [of *zoological* and **botanical**] museums. 028651
New Melolonthidae and Rutelidae from the *Zoological* **State** Collection, Munich. 029571

ZOONOSES

Diseases of wildlife examined at **laboratory** *[Zoonoses].* 024360

ZOOPLANKTON

The effects of dipotassium endothall [herbicides] on the *zooplankton* and **water** quality of a small pond. 029181

ZOOTECHNICS

Zootechnical and **physiological** evaluation of fattening cattle on platforms [Body heat losses]. 023682
Biological and *zootechnical* **problems** relating to nutritional requirements for conventional and nonconventional proteins: production, availability and consumption. 022013

ZYGOPETALUM

Zygopetalum—an **abandoned** genus of beauty [Varieties]. 025599

ZYGOPTERA

The **damselflies** *(Zygoptera)* of Montana. 029665
Observations on egg laying of four Odonata of the genus **Lestes** *(Zygoptera:* Lestidae) in Quebec. 029451

ZYGOSPORES

Germination of *zygospores* of the **fungus** Zygorhynchus japonicus Kominami. 026675

ZYGOTE

Observations on mechanisms of attachment in the green alga Ulva mutabilis Foyn. An ultrastructural and light microscopical study of *zygotes* and **rhizoids**. 026060

916
471
cop. 2

Vol. 40—No. 4 April 1976

REFERENCE ROOM

ISSN 0006-1530

BIBLIOGRAPHY OF AGRICULTURE

with SUBJECT INDEX

Data provided by National Agricultural Library
U. S. Department of Agriculture

CURRENT SERIAL RECORDS
AUG 12 1976

ORYX PRESS

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

Copyright © 1976 by The Oryx Press

The Bibliography of Agriculture is published monthly by The Oryx Press, 3930 E. Camelback Road, Phoenix, AZ 85018. All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photo-copying, recording, or by any information storage and retrieval system, without permission in writing from The Oryx Press. Price $170.00 for 12 Issues, plus postage ($10.50 U.S. and Canada, all others $13.00); individual issue $10.00, plus $1.25 for postage and handling.

Manufactured in the United States of America.

Second Class Postage paid at Scottsdale, AZ.

Vol. 40—No. 4 April 1976 Entries 030991–041685

BIBLIOGRAPHY OF AGRICULTURE

with SUBJECT INDEX

Data provided by National Agricultural Library
U.S. Department of Agriculture

CONTENTS

INTRODUCTION . . . . . p. iii
LIST OF JOURNAL TITLE ABBREVIATIONS CITED . . . . . p. vii
MAIN ENTRY SECTION . . . . . p. 1

General agriculture and rural sociology . . . . . 030991 – 031143
General agricultural economics and land economics . . . . . 031144 – 031239
Agricultural administration and management . . . . . 031240 – 031401
Agricultural production costs and returns . . . . . 031402 – 031515
Agricultural production distribution . . . . . 031516 – 031742
Statistical data and methodology . . . . . 031743 – 031767
Outlook, policies, programs, and legislation . . . . . 031768 – 031940
Consumer protection . . . . . 031941 – 032159
Human nutrition . . . . . 032160 – 032512
Home economics . . . . . 032513 – 032526
Food and nutrition—history . . . . . 032527 – 032561
Food and nutrition—standards and legislation 032562
Food and nutrition—management and administration . . . . . 032563 – 032586
Food and nutrition—education and training . . . . . 032587 – 032613
Menu planning . . . . . 032614 – 032619
Food preparation and production . . . . . 032620 – 032643
Food and nutrition—equipment . . . . . 032644 – 032665
Food and nutrition—sanitation and safety . . . . . 032666 – 032668
Food technology . . . . . 032669 – 032676
Food and nutrition—general programs . . . . . 032677 – 032692
Recipes . . . . . 032693 – 032701
Food and nutrition—reference materials . . . . . 032702 – 032703
Food and nutrition—purchasing, receiving and storage . . . . . 032704 – 032707
Agricultural products—general . . . . . 032708 – 032926
Dairy products . . . . . 032927 – 033036
Livestock products . . . . . 033037 – 033117
Poultry products . . . . . 033118 – 033137
Field crop products . . . . . 033138 – 033315
Horticultural products . . . . . 033316 – 033490
Feed products . . . . . 033491 – 033590
Animal husbandry . . . . . 033591 – 033696
Livestock biology . . . . . 033697 – 034248
Livestock feeding . . . . . 034249 – 034538

THE ORYX PRESS
3930 E. Camelback Road
Phoenix, AZ 85018

Livestock breeding ..... 034539 – 034874
Veterinary medicine ..... 034875 – 034953
Infectious and parasitic diseases ..... 034954 – 035292
Non-infectious diseases ..... 035293 – 035388
Miscellaneous diseases ..... 035389 – 035456
Forestry—general ..... 035457 – 035512
Forest management ..... 035513 – 035627
Silviculture ..... 035628 – 035694
Forest industries ..... 035695 – 035906
General plant science ..... 035907 – 035933
Plant taxonomy and geography ..... 035934 – 036168
Plant ecology ..... 036169 – 036258
Plant morphology, anatomy and cytology ..... 036259 – 036372
Plant genetics and breeding ..... 036373 – 036720
Plant physiology and biochemistry—general ..... 036721 – 037331
Physiology and biochemistry of field crops ..... 037332 – 037613
Physiology and biochemistry of horticultural crops ..... 037614 – 037887
Physiology and biochemistry of forest trees ..... 037888 – 037941
Field crops—culture ..... 037942 – 038219
Horticultural crops—culture ..... 038220 – 038536
Miscellaneous economic plants—culture ..... 038537 – 038559
Plant fungus diseases and control ..... 038560 – 038849
Plant bacterial diseases and control ..... 038850 – 038874
Plant virus diseases and control ..... 038875 – 038946
Miscellaneous plant diseases, injuries, and control ..... 038947 – 039087
Weeds and herbicides ..... 039088 – 039197
Insect pests and controls—general and miscellaneous plants ..... 039198 – 039248
Insect pests and controls—field crops ..... 039249 – 039308
Insect pests and controls—horticultural crops ..... 039309 – 039373
Insect pests and controls—forest trees, products ..... 039374 – 039410
Insect pests and controls—products ..... 039411 – 039435
Insect pests and controls—animal and man ..... 039436 – 039519
Pesticides—general ..... 039520 – 039602
General entomology ..... 039603 – 039976
Taxonomic entomology ..... 039977 – 040180
Apiculture and sericulture ..... 040181 – 040312
Agricultural engineering ..... 040313 – 040396
Farm equipment ..... 040397 – 040551
Soil science ..... 040552 – 040850
Soil improvement materials ..... 040851 – 041137
Soil resources and management ..... 041138 – 041215
Water resources and management ..... 041216 – 041465
General natural resources and environmental pollution ..... 041466 – 041685

USDA PUBLICATIONS ..... **p. 152**
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS ..... **p. 156**
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS ..... **p. 160**
FAO PUBLICATIONS ..... **p. 162**
TRANSLATED PUBLICATIONS ..... **p. 163**
GEOGRAPHIC INDEX ..... **p. 168**
CORPORATE AUTHOR INDEX ..... **p. 171**
PERSONAL AUTHOR INDEX ..... **p. 172**
SUBJECT INDEX ..... **p. 201**

INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

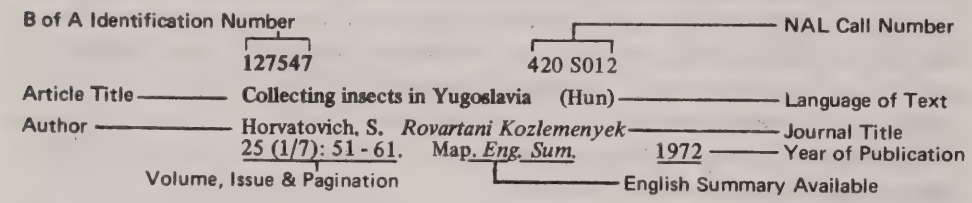
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Fle)	Flemish	(Lit)	Lithuanian
(Alb)	Albanian	(Fre)	French	(Mac)	Macedonian
(Arm)	Armenian	(Geo)	Georgian	(Nor)	Norwegian
(Aze)	Azerbaijani	(Ger)	German	(Pol)	Polish
(Bel)	Belorussian	(Gre)	Greek	(Por)	Portuguese
(Bul)	Bulgarian	(Heb)	Hebrew	(Rum)	Rumanian
(Bur)	Burmese	(Hun)	Hungarian	(Rus)	Russian
(Chi)	Chinese	(Ice)	Icelandic	(Ser)	Serbian
(Cro)	Croatian	(Ind)	Indonesian	(Slo)	Slovak
(Cze)	Czech	(Ita)	Italian	(Slv)	Slovenian
(Dan)	Danish	(Jap)	Japanese	(Spa)	Spanish
(Dut)	Dutch	(Kor)	Korean	(Swe)	Swedish
(Est)	Estonian	(Lat)	Latin	(Tha)	Thai
(Fin)	Finnish	(Lav)	Latvian	(Tur)	Turkish
				(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

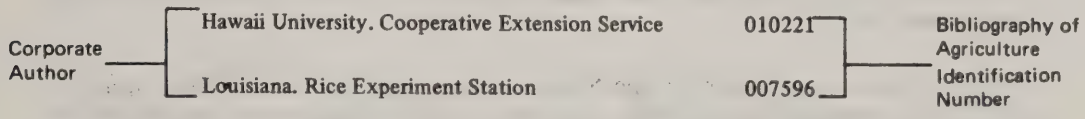
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section, as follows: USDA, State Experiment, and State Extension publications are arranged alphabetically by journal title abbreviation; in addition, the *Bibliography of Agriculture* Identification Numbers have been eliminated. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the subsections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

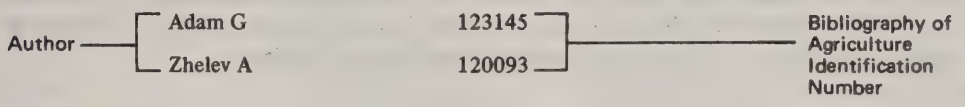
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms,* published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$1.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A M A (Agric Mech Asia)
AAACE (Am Assoc Agric Ed)
Aastaraamat Eesti Geogr Selts
Abeilles & Fleurs
Acad Agric Fr C R Seances
Academic Therapy
Acarologia
ACS Symp Ser (Amer Chem Soc)
Acta Agric Scand
Acta Agron (Budap)
Acta Anat
Acta Biochim Biophys
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Microbiol Pol, Ser A Microbiol Gen
Acta Neurobiol Exp
Acta Pathol Microbiol Scand, Sect B Microbiol
Acta Physiol Pol
Acta Phytotaxon Barcinonensia Barc Univ Dep Bot
Acta Trop
Acta Virol
Acta Vitaminol Enzymol
Adv Insect Physiol
Adv Lipid Res
Adv Vet Sci Comp Med
Advance
Advis Leafl G B Minist Agric Fish Food
AE Dep Agric Econ Rural Sociol Clemson Univ
AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign
Afrikanerbees J
Ag Stat N D Crop Livest Rep Serv
Agrar Rundsch
Agrar Tud Egy Kozl (Godollo)
Agrartechnik
Agrarwirtschaft
Agric Adm
Agric Agroind J
Agric Biol Chem
Agric Bull Univ Alberta
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Res
Agric Handb U S Dep Agric
Agric Libr Inf Notes
Agric Merch
Agric North Irel
Agric Pak
Agric Res
Agric Res Rev
Agric Situation India
Agric Technol
Agrichem Age
Agricoltura
Agricultura (Madr)
Agriculture (Paris)
Agrikultura
Agrochemophysica
Agrochimica
Agrokhimiia
Agrologist
Agron Trop (Paris)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Alkaloids
Alkaloids, Chem Physiol
Allg Dtsch Imkerztg
Allg Forstztg
Am Bee J
Am Dairy Rev
Am Dyest Rep
Am Fern J
Am J Bot
Am J Enol Vitic
Am J Public Health
Am Lab
Am Mus Novit
Am Nurserym
Am Potato J
Am Sci
Am Veg Grow
Amer J Clin Nutr
Amer School Board J
AMS U S Dep Agric Agric Mark Serv
An Soc Rural Argent
Anal Biochem
Anat Rec
Anim Husb
Anim Prod
Anim Quar
Ann Appl Biol
Ann Arid Zone Arid Zone Res Assoc India
Ann Bot
Ann Fac Agrar (Milan)
Ann Fac Med Vet Pisa
Ann Genet Sel Anim
Ann Geogr
Ann Immunol
Ann Inst Pasteur (Paris)
Ann Ist Super Sanita (Roma)
Ann Med Vet
Ann N Y Acad Sci
Ann Parasitol Hum Comp
Ann Perugia Univ Fac Agrar
Ann Phytopathol Soc Jap
Ann Sci Nat Bot Biol Veg
Ann Trop Med Parasitol
Ann Zootech
Annu Rep Agric Res Inst North Irel
Annu Rev Entomol
Anz Schadlingskd Pflanzenschutz
APE, Riv Svizz Apic
APHIS-91 U S Anim Plant Health Insp Serv
Apidologie
Appl Biochem Microbiol
Appl Microbiol
Arbeiten Hohenheim Univ
Arbor Rev Minn Univ Agric Ext Serv
Arboric Assoc J
Arboric Fruit
Arch Anat Histol Embryol, Norm Exp
Arch Anat Microsc Morphol Exp
Arch Biochem Biophys
Arch Gartenbau
Arch Hydrobiol
Arch Ital Biol
Arch Protistenkd
Arch Tierernahr
Arch Tierz
Arch Toxikol
Arkansas Farm Res
Arkh Anat Gistol Embriol
Arnoldia
Arsb Foren Skogstradsfor Inst Skogsforbattr
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ASCS Background Inf Bl (Agric Stab Conserv Serv)
Atmos Environ
Atoll Res Bull
Auburn Vet
Audiovisual Instruction
Aust Entomol Mag
Aust J Bot
Aust J Chem
Aust J Exp Biol Med Sci
Aust J Zool
Aust J Zool, Suppl Ser
Aust Orchid Rev
Aust Water Resour Counc Tech Pap
Bakers Dig
Baromfitenyesztes
Bedrijfsontwikkeling
Ber Dan Pelsdyravlerforen
Ber Dtsch Bot Ges
Ber Eidg Anstalt Forstl Vers
Ber Landwirtsch (Hamburg)
Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten
Beret Ostfold Skogselskap
Biatas, The Tillage Farmer
Biene
Bienenpflege
Bienenvater
Bi-mon Res Can For Serv
Bio Systems
Biochem Actions Horm
Biochemistry (Easton)
Biochemistry (N Y)
Biochim Biophys Acta
Biochimie
Biokhimiia
Biol Conserv
Biol Plant
Biol Rev
Biol Zentralbl
Biol Zh Arm
Biologia, Ser B Zool
Biologia, Ser C Vesobecna Biol
Biopolymers
BIOS
BioScience
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Birokteren
Blyttia
Bodemkd Stud
Bois Forets Trop
Bol Agric
Bol Chil Parasitol
Bol Divulg Minist Ganad Agric Cent Invest Agric Alberto Boerger
Bol Soc Quim Peru
Boll Chim Farm
Bonsai J
Bot Mus Leafl Harv Univ
Bot Rev
Bot Zh
Botyu Kagaku
Br J Cancer
Br J Nutr
Br J Pharmacol
Br Sugar Beet Rev
Bras Acucar
Brew Dig
Bul Kebun Raya
Bull A Ariz Univ Coll Agric Ext Serv
Bull Acad Pol Sci, Ser Sci Biol
Bull Acad Sci USSR, Div Chem Sci
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Agric Exp Stn Univ Del
Bull Am Assoc Bot Gard Arboreta
Bull Azabu Vet Coll
Bull Biol Fr Belg
Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur
Bull Conn Arbor Conn Coll
Bull Conn Univ Coop Ext Serv
Bull Ehime Univ For
Bull Entomol Soc Am
Bull Fac Agric Univ Miyazaki
Bull Fac Agric Yamaguti Univ
Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Bull Fla Dep Agric
Bull Gov For Exp Stn (Tokyo)
Bull Grain Technol
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inst Chem Res Kyoto Univ
Bull Inst Int Froid
Bull Jap Soc Sci Fish
Bull Morris Arbor
Bull O I V
Bull Off Int Epizoot
Bull Res Inst Nedri As
Bull S D State Univ Agric Exp Stn
Bull Schweiz Verb Ing Agron
Bull Soc Chim Fr
Bull Tex Agric Exp Stn Coll Stn
Bull W Va Agric Exp Stn
Buvar
Cac Suc Mex
Cah I E A (Inst Econ Agric Brux)
Calcif Tissue Res
Calif Agric
Can Agric
Can Farm Econ
Can For Ind
Can J Afr Stud
Can J Bot
Can J Chem
Can J Comp Med
Can J Genet Cytol
Can J Physiol Pharmacol
Can J Public Health
Can J Zool
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Carbohydr Res
Caryologia
Cashew News Teller
Cattlemen
CCP F A O
CCP/CSD/SR Food Agric Organ U N
Cell Mass Inst Technol
Cell Tissue Res
Cellul Carta
Cellul Chem Technol
Cereal Chem
Cereal Foods World
Champignon
Chem Ber Ges Dtsch Chem
Chem Commun
Chem Nat Compd
Chem Pharm Bull
Chem Scr
Child Care Quarterly
Chromosoma
Chron Hortic
Circ Agric Exp Stn Auburn Univ
Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Circ N C Agric Ext Serv
Citrograph
Citrus Ind
Citrus Veg Mag
Clin Pediatrics
Clin Vet
Clinics Perinatology
CNI Weekly Rep
Coconut Bull
Commercial Kitchen & Dining Room
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Compost Sci
Conf Food Agric Organ U N
Confect Prod
Conn Woodl
Consultant
Consumer News
Consumer Reports
Cooking for Profit
Coop Inf (Int Labor Off)
Cornell Hotel Restaurant Admin Quarterly
Cornell Vet
Coton Fibres Trop
Counc Food Agric Organ U N CL
Courr Norm
CPMC (Cuoio Pelli Mater Concianti
CRC Crit Rev Food Technol (Chem Rubber Co)
Crop Sci
Ctry Life
Cukoripar
Cult Dairy Prod J
Curr Sci
Cytobios
Cytol Genet
D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn
Dairy Counc Dig
Dairy Tales
Dairyfarm Dig
Dan Pelsdyravl
Dan Skovforen Tidsskr
Day Care And Early Ed
Depeche Ind Commer Agric
Dev Biol
Dev Change
Div Soils Tech Pap C S I R O
DLZ (Die Landtech Z)
Dokl Akad Nauk SSSR
Dokl S-kh Akad Im Georgiia Dimitrova
Down Earth
Dtsch Entomol Z
Eau Amenagement Reg Provencale
Ecol Bull Statens Naturvetensk Forsk
Ecol Res Ser EPA U S Environ Prot Agency
Ecol Rev
Econ Bot
Econ Med Anim
Econ Rep ER Minn Univ Dep Agric Appl Econ
Effluent Water Treat J
Egypt J Hortic
Ekol Pol
Ekon Sel'sk Khoz
Ekon Sov Ukr
Elelmez Ipar
Empress Chinchilla Breeder
Endocrinology
Entomol Mon Mag

Entomol News
Entomol Obozr
Entomol Rec J Var
Entomol Rev
Entomol Z
Environ & Plann
Environ Child Health
Environ Health Eff Res Ser EPA
Environ Monit Ser EPA U S Environ Prot Agency
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Sci Res
Environ Sci Tech
Equip Tips
ERD Rep Fla Dep Citrus Econ Res Dep
Erdo
ERS Foreign Reg Anal Div Econ Serv U S Dep Agric
ERS U S Dep Agric Econ Res Serv
Essenze Deriv Agrum
Essex Suc Rev
Eur J For Pathol
Eur Rev Agric Econ
Euro-Farm Bus
Europ J Immunol
Evolution
Exp Cell Res
Exp Gerontol
Exp Parasitol
Experientia
Experientiae
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Ext Leafl L Ohio State Univ Ext Serv
Ext Serv Rev U S Dep Agric
Fact Sheet Coop Ext Serv Univ Md
Factsheet Ont Minist Agric Food
Fam Econ Rev
FAO Agric Stud
Farm Chem
Farm Food Res
Farm For
Farm Front
Farm J (Calcutta)
Farmer Parliament
Farmers Bull U S Dep Agric
FATUS (Foreign Agric Trade U S)
FCS Inf U S Dep Agric Farmer Coop Serv
FDA By-Line Food Drug Adm
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Feddes Repert
Feedlot Manage
Feldwirtschaft
Feline Pract
Fennia
Fermes Mod
Fert News
Fert Prog
Fette Seifen Anstrichm
Fibre Sci Technol
Fieldiana Bot
Fieldiana Zool
Fish Technol
Fitologiia
Fiziol Biokhim Kult Rast
Fiziol Rast (Mosk)
Fiziol Zh SSSR
Fjorfe
Fleischwirtschaft
Flora Fauna
Florists Rev
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Foldr N C Agric Ext Serv
Folia Biol (Praha)
Folia Geobot Phytotaxon
Folia Microbiol
Folia Parasit
Food and Nutr News
Food Cosmet Toxicol
Food Eng
Food Management
Food Manuf
Food Nutr
Food Nutr (FAO)
Food Nutr Notes Rev
Food Process Ind
Food Prod Dev
Food Serv Mark
Food Technol
Food Technol Aust
Food Technol Rev
For Chron
For Prod J
For Serv Res Pap WO U S Dep Agric
For Tech Pap For Comm (Victoria)
Forderungsdienst
Forecast Home Econ
Foreign Agric Circ, Cann Fruit FCAN (U S Dep Agric)
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Circ, Poult FPE (U S Dep Agric)
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forestry
Forpride Dig
Forsk Prakt
Fresenius Z Anal Chem
Freshwater Biol
Fruit Var J
Fruit Veg Facts Pointers
Fruits
G Bot Ital
Gabonaipar
Gart Kleintierzucht, C Imker
Gartenbau
Gartneryket
Gartneryrket
Gaz Apic
Gazdalkodas
Gen & Comp Endocrinol
Genet Pol
Genet Res
Genetics
Genetika
Geol Surv Prof Pap U S Dep Inter
Geoponika
Geotechnique
Getreide Mehl Brot
Gidrotekh Melior
Glean Bee Cult
Grasas Aceites
Green Revolution
Grounds Maint
Grune
Hassadeh
Health Phys
Herba Hung
Highlights Agric Res
Histochem J
Hoards Dairym
Holz Roh Werkst
Holztechnologie
Home Econ Res J
Home Econ Res Rep Agric Res Serv U S Dep Agric
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Hortic Dig Dep Hortic Univ Hawaii
Hortic Vitic Sci
Hortsci
Hospital Topics
Human Ecol Forum
Husipar
Hydrobiol Bull
IAWA Bull (Int Assoc Wood Anat)
Idojaras
Ill Career Ed J
Ill Res
Imkerfreund
Immunochemistry
Impact Sci On Soc
In Agriculture and Food Conference on Inflation Report
In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.
In Biomembranes, Lipids, Proteins and Receptors Proceedingsof a NATO Advanced Study Institute
In Chromatographic Analysis of the Environment. R. L. Grob, ed.
In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium
In Ecology and Evolution of Communities. M. L. Cody & J. M. Diamond, eds.
In Embryologie Chimique et Experimentale Resultats Recents Livre Jubilaire Offert a E. Wolff
In Environmental Problems in Medicine. W. D. McKee, ed.
In Feline Medicine & Surgery. E. J. Catcott, ed.
In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse
In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.
In Genetic Aspects of Photosynthesis Selected Papers from the Symposium
In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov
In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.
In Honey: A Comprehensive Survey. E. Crane, ed.
In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting
In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium
In Insect Biochemistry and Function. D. J. Candy & B. A. Kilby, eds.
In Insect Neurobiology. J. E. Treherne, ed.
In Insects, Science & Society Proceedings of a Symposium
In Issues in Canadian Economics. L. H. Officer & L. B. Smith, eds.
In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.
In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.
In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium
In Pesticide Selectivity. J. C. Street, ed.
In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.
In Potassium in Tropical Crops and Soils
In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin
In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation
In Proceedings Western Hemisphere Nutrition Congress
In Processing of RNA Report of Symposium
In Prostaglandins & Reproduction. S. M. M. Karim, ed.
In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.
In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.
In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium
In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium
In Soil Microbiology. N. Walker, ed.
In Symp on Green Revolution
In The Influenza Viruses and Influenza. E. D. Kilbourne, ed.
In Waste Recycling and Canadian Agriculture Conference Proceedings
Ind Aliment Anim
Ind Obst Gemuseverwert
Ind Saccarif Ital
Indian Cof
Indian Farming
Indian Food Pack
Indian For
Indian J Chem
Indian J Dairy Sci
Indian J Exp Biol
Indian J Med Res
Indian J Mycol Plant Pathol
Indian J Technol
Indian Phytopathol
Indian Poult Rev
Indian Sugar
Indian Vet J
Inf Fitopatol
Inf Rep FMR-X For Manage Inst Can For Serv
Inf Tech Cent Tech Int Prof Ol Metrop
Inf Tech (Paris)
Insect World Dig
Insects Soc
Inst Prod Florestais Cortica
Instit/vol Feeding
Int Conf Handling Perish Agric Commod
Int J Appl Radiat Isot
Int J Biochem
Int J Parasitol
Int J Radiat Biol Relat Stud Phys Chem Med
Int Rev Gesamten Hydrobiol
Int Sugar J
Int Z Landwirtsch
Inten Agric
Interdep Publ ID Univ Ky Coop Ext Serv
Iowa State J Res
Iowa Vet
Ir Beekeep (An Beacaire)
Irrigazione
Isotopenpraxis
Isr Agric
Ital Agric
Ital For Mont
Izv Akad Nauk BSSR, Ser Biol Nauk
J Agric Assoc China
J Agric Chem Soc Jap
J Agric Econ Dev
J Agric Food Chem
J Agric Sci (Camb)
J Agric Univ P R
J Am Anim Hosp Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Oil Chem Soc
J Am Vet Med Assoc
J Am Water Works Assoc
J Amer Med Assoc
J Anat
J Anim Sci
J Apic Res
J Appl Bacteriol
J Appl Chem USSR
J Appl Ecol
J Appl Physiol
J Arboric
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Biomech
J Can Diet Assoc
J Cell Physiol
J Cell Sci
J Chem Soc, Perkin Trans II
J Chin Chem Soc
J Chromatogr
J Chromatogr Sci
J Comp Physiol
J Cyclic Nucleotide Res
J East Afr Nat Hist Soc Nat Mus
J Ecol
J Econ Entomol
J Embryol Exp Morphol
J Endocrinol
J Entomol Ser A Physiol & Behav
J Entomol, Ser B, Taxon
J Entomol Soc South Afr
J Environ Health
J Environ Manage
J Environ Qual
J Exp Biol
J Exp Bot
J Exp Mar Biol Ecol
J Exp Zool
J Fac Agric Tottori Univ
J Fac Sci Hokkaido Univ, Ser vi Zool
J Ferment Technol
J Fish Res Board Can
J Food Sci
J Food Sci Tech
J For
J For Suisse
J Gen Appl Microbiol
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Helminthol
J Hered
J Hist Geogr
J Home Econ
J Hydrol
J Hyg
J Hyg Epidemiol Microbiol Immunol
J Immunol Methods
J Interdis Cycle Res
J Jap Bot
J Jap For Soc
J Jap Vet Med Assoc
J Med Entomol
J Membr Biol
J Microsc (Lond)
J Milk Food Technol
J Mol Biol
J Morphol
J Natl Assoc Coll Teach Agric
J Nutr Educ
J Org Chem
J Peasant Stud
J Pharm Soc Jap
J Physiol
J Physiol (Paris)
J Psychol Soc Jap
J R Soc West Aust
J Reprod Fertil
J S Afr Vet Assoc
J Sci Hir Univ, Ser A II Phys Chem
J Sediment Petrol
J Small Anim Pract
J Soc Dairy Technol
J Tenn Acad Sci
J Text Inst
J Texture Stud
J Theor Biol
J Ultrastruct Res
J Virol
J Zool
Jap J Genet
Jap J Microbiol
Jap J Zootech Sci
Jap Poult Sci
JARQ (Jap Agric Res Q)
Justus Liebigs Ann Chem
Kajitsu Nippon
Kakteen Sukkulenten
Kartoffelbau
Kemia-Kemi (Helsinki)
Kenya Cof
Kitchen Planning
Kleintier Prax
Kooperation
Korma
Kosmos
Kosmos, Ser A Biol
Kromosomo
Lab Anim Sci
Lab Pract
Lait
Landbauforsch Volkenrode
Landbo Nyt
Landbouwkd Tijdschr
Landbouwmechanisatie
Landbrukstidende
Lantbrukshogsk Medd, Ser A
LASCA Leaves (Los Ang State Cty Arbor)
Latte
Lavoura
Leafl Aust Dep Agric For Timber Bur
Leafl Coop Ext Serv Univ Ga Coll Agric
League Int Food Educ
Len Konopliia
Lesn Khoz
Lesn Prom St'
Lesn Zh Izv Vyssh Uchebn Zaved
Lesnictwo (Warsz)
Lesovod Agrolesomelior
Life Sci
Limnol Oceanogr
Lives Prod Day La State Univ Anim Sci Dep
Livest Breed J
Lohnunterne Land Forstwirtsch
Macaroni J
Madrono
Maelkeritidende
Magy Allatvilaga
Magy Textiltech
Malay For
Mar Biol
Marcellia
Mark Res Rep U S Dep Agric
Mater Org
Meded Fac Landbouwwet Rijksuniv Gent
Meded Overdrukken Landbouw Econ Inst
Meheszet
Mejeribrugets Uge-Nyt
Mem Coll Agric Ehime Univ
Mem Entomol Soc Can
Mem Fac Agric Kagoshima Univ
Mem N Y Bot Gard
Mem Sch Entomol
Metabolism
Methods Anim Exp
Methods Cell Biol
Mezogazd Vilagirodalom
Mich Acad
Microbiology
Microbiology (Wash, D C)
Milchwissenschaft
Milk Ind
Minerva Dietol
Minn Sci
MIRINZ Meat Indus Res Inst N Z
Misc Publ U S Dep Agric
Misc Univ Nac Tucuman Fac Agron Zootech
Mitt DLG (Dtsch Landwirtsch Ges), Ausg A
Mitt Entomol Ges Basel
Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau

Mitt Rebe Wien Ostbau Fruchteverwert
Mitt Versuchsstn Garungsgewerbe Wien
Modern Schools
Mol Cell Endocrinol
Mol Gen Genet (MGG)
Mol Pharmacol
Molk-Ztg Welt Milch
Monatsh Veterinarmed
Monogr Inst Geogr "Agustin Codazzi" Dir Agrol
Mosq Syst
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Nebr Coll Agric Home Econ Agric Exp Stn
Mushroom J
Mutat Res
Mysore J Agric Sci
N D Farm Res
N S W Dairyman
N Z Agric Sci
N Z Beekeep
N Z Geogr
N Z J Agric
N Z J Agric Res
N Z J Bot
N Z J Dairy Sci Technol
N Z J Sci
N Z Tob Grow J
N Z Vet J
Nat Belg
Nat Can
Natl Food Situation
Natl Wool Grow
Nature
Natursch Naturp
Naturwissenschaften
Nauka Pol
Nauyn Schmiedebergs Arch Pharmacol
Ned Bosbouw Tijdschr
Nematropica
Neth J Agric Sci
Newsl Assoc Off Seed Anal
Niger Agric J
Niger Field
Nippon Kagaku Kaishi J Chem Soc Jap
NIZO Rapp (Ned Inst Zuivelonderz Ede)
Nogyo Kisho J Agric Meteorol
Nor Hagetid
Nor Pelsdyrbl
Nor Skogind
Nord Lantbruksekon
Nord Mejeritidsskr
Nord Veterinaermed
Not Entomol
Notes I E A (Inst Econ Agric Brux)
Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique
Nouv Avic
Novenytermeles
Nutr Food Sci
Nutr News
Nutr Program News
Nutr Rep Int
Nutr Rev
Nutrition
Nytt Mag Bot
Obz Inf Minist Sel'sk Khoz SSSR Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Oecol Plant
Oecologia
Off Proc Annu Meet Am Assoc Feed Microsc
Ohio J Sci
Ohio Rep Res Dev Agric Home Econ Nat Resour
Oils Oilseeds J
Okajimas Folia Anat Jap
Oleagineux
Onderstepoort J Vet Res
Orchid Dig
Outlook Agric
Outstate Test Circ Nebr Agric Exp Stn
Overz Landbouw Econ Inst
PA U S Dep Agric
Pag Bull
Pamiet Pulawski
Pap Annu Meet Am Soc Photogramm
Pap Puu
Parasitology
Parazitologiia
Pathol Biol
PB U S Natl Tech Inf Serv
Pchelarstvo
Pchelovodstvo
Pediatric Annals
Pediatrics
Pedobiologia
Pedologist
Pepinier Hortic Maraich
Personnel J
Pest Control
Pflugers Arch
Pharm Acta Helv
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Agric
Phospho Potas
Photogramm Eng Remote Sensing
Phycologia
Physiol Chem Phys
Phytochemistry
Phytopathol Mediterr
Phytopathology
Phytoprotection
Pig Farming
Plant Med
Plant Physiol
Plant Prot Bull (Rome)
Planta
PM Coop Ext Serv Iowa State Univ
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Bull (Pac Northwest Coop Ext)
Pochvovedenie
Pochvozn Agrokhim
Pollen Spores
Pol'nohospodarstvo
Pork Ind Gaz
Postepy Nauk Roln
Poult Egg Situation
Poult Guide
Poult Patrika
Poult Pointers
Power Farming
Prakt Schadlingsbekampf
Prep Biochem
Prikl Biokhim Mikrobiol
Principes
Proc Annu Conv Natl Assoc Anim Breeders
Proc Biol Soc Wash
Proc Crop Sci Soc Jap
Proc Fert Soc Lond
Proc Jap Acad
Proc K Ned Akad Wet, Ser C Biol Med Sci
Proc Linnean Soc N S W
Proc Natl Acad Sci U S A
Proc Nutr Soc
Proc Pa Acad Sci
Proc R Soc Lond, B Biol Sci
Proc Soc Exp Biol Med
Proc Soil Sci Soc Am
Proc Turfgrass Sprinkler Irrig Conf
Prod Agric Fr
Prod Publ Assoc Off Seed Certifying Agencies
Prod R D
Prod Veg Cereale Plante Teh
Prof Pap U S Geol Surv
Prog Agric Vitic
Prog Farmer (Birmingham)
Prog Farming
Prog Rep Ohio Dep Nat Resour Div Lands Soil
Prog Rep Pa State Univ Agric Exp Stn
Prog Water Technol
Protoplasma
Pub (Manit Dep Agric)
Publ Agric Can
Publ Agric Econ Res Unit Lincoln Coll
Publ Ext Serv Miss State Univ Coop U S Dep Agric
Pulp & Pap Can
Pulp & Pap Mag Can
Pyrethrum Post
Q Bull Am Rhodod Soc
Q Bull Assoc Food Drug Off U S
Q J Agric Econ
Q J Chin For
Q J Exp Physiol Cogn Med Sci
Q Rev Agric Econ
Qual Plant Plant Foods Human Nutr
Query File Commonw Bur Hortic Plant Crops
Radiat Res
Radiobiologiia
Radiobiology
Rass Chim
Rassenber IVRO Wageningen (Inst Rassenonderz Landbouwgewassen)
Rastenievud Nauk
Remote Sens Environ
Rep Dep Agric Econ Univ Nebr Coll Agric Home Econ Agric Exp Stn
Rep Noda Inst Sci Res
Rep Univ Newcastle Upon Tyne Dep Agric Econ
Rep Water Resour Res Inst Univ N C
Res Bull Agric Home Econ Exp Stn Iowa State Univ Sci Tech
Res Bull Ohio Agric Res Dev Cent
Res Bull Univ Ga Coll Agric Exp Stn
Res Circ Ohio Agric Res Dev Cent
Res Div Rep Va Polytech Inst & State Univ Res Div
Res Div Rep Va Polytech Inst State Univ Res Rep
Res Pap Savanna For Res Stn
Res Rep Mich State Univ Agric Exp Stn
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Univ Ga Coll Agric Exp Stn
Res Rep Utah Agric Exp Stn
Residue Rev
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Restaurant Bus
Rev Agric (Brux)
Rev Agron Noroeste Argent
Rev Cresterea Anim
Rev Embouteillage Indus Cond Trait Distrib Transp
Rev Fr Corps Gras
Rev Geogr Lyon
Rev Hortic Suisse
Rev Inst Laticin Candido Tostes
Rev Lait Fr
Rev Latinoam Microbiol
Rev Nac Agric
Rev Palaeobot Palynol
Rev Soc Savantes Haute Normand
Rev Suisse Zool
Rev Vet Can
Rev Vet Venez
Rev Vin Fr, Engl Lang Ed
Rhodora
Riv Ital Sost Grasse
Riv Ortoflorofruttic Ital
RSRI Discuss Pap Ser (Reg Sci Res Inst)
Russ Chem Rev
Russ J Inorg Chem
S Afr J Dairy Technol
S D Farm Home Res
Sadovod Vinograd Vinodel Mold
Sante Abeille
Sarsia
Scand J Immunol
Sch Foodserv J
School Health Review
Schriftenr Agrarsoziologie Agrarrecht
Schweiz Bienen-Zeitung
Schweiz Landtech Dtsch Ausg
Schweiz Milchwirtsch Forsch
Schweiz Z Obst Weinbau
Sci Am
Sci Prog
Science
Scott Beekeep Scott Beekeep Assoc
Search Agric
Seed Sci Technol
Ser EE Cent Int Agric Trop
Short Term Leafl Minist Agric Fish Food (Middlesex)
Silva Fenn
Simiente
S-kh Biol
Smithson Contrib Bot
Smithson Contrib Zool
Social Ed
Soil Biol Biochem
Soil Conserv
Soil Ser Br Columbia Dep Agric Field Crops Branch
Soobshch Akad Nauk Gruz SSR
South Aust Dairym J
Sov Genet
Sov J Dev Biol
Sov J Ecol
Sov Plant Physiol
Sov Soil Sci
Soybean Dig
Spec Rep Agric Exp Stn Agric Fayetteville Arkansad
Spec Rep Oreg State Univ Agric Exp Stn
Spec Rep Va Polytech Inst State Univ Wood Res Wood Constr Lab
Spectrosc Lett
Speculum
Staff Welfare Catering
Stat Bull U S Dep Agric
Staudengarten
Stikstof ('S Grav)
Stud Biol Inst Biol (Lond)
Stud Inf, Lesn
Stud Inf, Rostl Vyroba
Stud Inf, Zakl Vedy Zemed
Stud Neotrop Fauna
Succulenta
Sugarbeet
Suom Elainlaakaril
Supervisory Management
Surinaam Landbouw
Sven Frotidn
Sver Skogvardsforb Tidskr
Sver Utsadesforen Tidskr
Swed J Agric Res
Sylwan
Symb Bot Upsal
Synchronos Georgia
SYR Inf (Sver Yrkesfruktodl Riksforb)
Taiwan Water Conserv
Tappi (Tech Assoc Pulp Paper Ind)
Tech Bull Agric Exp Stn Univ Ariz
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Tech Bull U S Dep Agric
Tech Memo Fed Repub Niger Fed Inst Ind Res
Tech Release U S Soil Conserv Serv Eng Div
Termeszet Vilaga
Tetrahedron
Tetrahedron Lett
Text Res J
Tidsskr Biavl
Tidsskr Landokon
Tidsskr Plant
Tierzucht
Tijdschr Diergeneeskd
Tijdschr Entomol
Tissue Cell
Toxicol Appl Pharmacol
Toxicon
Trae Traebranchens Oplysningsrad
Training
Training Dev J
Trans ASAE (Am Soc Agric Eng)
Trans Biochem Soc
Trans Br Mycol Soc
Trans R Soc South Aust Inc
Trans R Soc Trop Med Hyg
Trop Agric (Guilford)
Trop Sci
Tropenlandwirt
Tsitol Genet
TSitologiia
Tuinbouwberichten
Type A Topics
U S Agric Res Serv West Reg ARS W
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S Dep Agric Econ Res Serv WMC
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)
USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric
USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USDA For Serv Res Pap SE U S Southeast For Exp Stn
Van Zee Land
Vara Palsd
Vcelarstvi
Vending Times
Veroeff Landwirtsch Chem Bundesversuchsanst
Veroff Land- Hauswirtsch Auswertungs-Informationsdienst
Vestn Cesk Spol Zool
Vestn Moskovsk Univ, Biol Pochvoved
Vestn S-kh Nauki (Alma-Ata)
Vestn S-kh Nauki (Mosc)
Vet Glas
Vet Ital
Vet Med (Prague)
Veterinariia (Mosk)
Veterinarstvi
Victorian Hortic Dig
Vinodel Vinograd SSSR
Visn Sil's'kohospod Nauki
Vitamin
Vitis
Voeding
Vopr Pitan
Vopr Virusol
W H O Tech Rep Ser
Wasser & Boden
Water Res
Weinberg Keller
Wirtschseig Futter
Wood Fibre
Wood Ind
Wood Sci Technol
World Rev Nutr Diet
Yearb Agric (U S Dep Agric)
Young Children
Z Acker Pflanzenbau
Z Arbeitsgem Osterr Entomol
Z Ausl Landwirtsch
Z Lebensm Unters Forsch
Z Morphol Tiere
Z Parasitenkd
Z Pflanzenkr Pflanzenschutz
Z Pflanzenphysiol
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Tierpsychol
Z Versuchstierkd
Z Zuckerind
Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol
Zern Maslichn Kul't
Zesz Probl Postepow Nauk Roln
Zh Obshch Khim
Zhivotnovud Nauki
Zoo Anvers
Zool Anz
Zool J Linn Soc
Zool Jahrb, Abt Anat Ontog Tiere
Zool Scr
Zool Verh Uitgeg Rijksmus Nat Hist Leiden
Zool Zh
Zpr Masneho Prum CSSR
Zucker
Zucker Susswaren Wirtsch 12Mandsbladet

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

030991 238 AM33A
Longtime agricultural report remains popular in Texas. Braden, W F *AAACE (Am Assoc Agric Ed)* 58 I.e. 57 (4): 11-15. Oct/Dec 1975

030992 238 AM33A
States vary in information support for [agricultural] extension and research programs. Carpenter, W L *AAACE (Am Assoc Agric Ed)* 58 I.e. 57 (4): 16-21. Oct/Dec 1975

030993 331.9 EE7
Some demographic aspects of reconstructing settlement [Rural population]. (Est) Laas, K *Aastaraamat Eesti Geogr Selts* P. 153-162. Eng. Sum. 1974

030994 14 P215BC
Emile Naslin (1870-1975) [Agriculture, biographies]. (Fre) Cramois, *Acad Agric Fr C R Seances* 61 (8): 459-460. 1975

030995 14 P215BC
Redistribution of the population, this time of rural space, in Auvergne, France. (Fre) Gachon, L *Acad Agric Fr C R Seances* 61 (8): 439-446. 1975

030996 100 W27A
After the first century [Agricultural Research Center, Washington State University]. Nielson, J; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 1. Fall 1975

030997 S3.A32
Social emphasis of peoples' priorities in rural development: case studies in Kenya on results of decentralised planning. Rasmusson, R *Agric Adm* 2 (4): 263-284. Ref. Oct 1975

030998 101 AL1A
Metric conversion in agriculture. Manning, T *Agric Bull Univ Alberta* 28: 6-10. Fall 1975

030999 A281.9 AG8A
Population change in nonmetropolitan cities and towns [Rural sociology]. Fuguitt, G V; Beale, C L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 323, 16 P. Ref. Feb 1976

031000 1 AG84AH
Professional workers in state agricultural experiment stations and other cooperating state institution, 1975-76. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 305, Rev., 211 P. Map. Jan 1976

031001 AZ733.N3A54
Agricultural research information support at Kentucky State University. O'Rourke, J R; National Agricultural Library *Agric Libr Inf Notes* 1 (4): 1-2. Apr 1975

031002 AZ733.N3A54
Bibliographic control of USDA—owned [agricultural] library materials. Waters, S T; National Agricultural Library *Agric Libr Inf Notes* 1 (6/7): 1-3. June/July 1975

031003 AZ733.N3A54
CAIN [Cataloging and Indexing] on-line at the University of Wisconsin [Forestry literature indexing coverage]. Oyler, D; National Agricultural Library *Agric Libr Inf Notes* 1 (1): 1-2. Jan 1975

031004 AZ733.N3A54
CAIN-on-line [Catalog and Indexing] services at the University of Arizona [Agricultural computer systems]. Leadenham, D J; National Agricultural Library *Agric Libr Inf Notes* 1 (6/7): 1. June/July 1975

031005 AZ733.N3A54
Regional document delivery via [agricultural] land-grant libraries in 1974. Olsen, W C; National Agricultural Library *Agric Libr Inf Notes* 1 (2): 1-2. Feb 1975

031006 AZ733.N3A54
The library exchange project of the US-USSR agricultural agreement. Tontarski, T; National Agricultural Library *Agric Libr Inf Notes* 1 (5): 1-2. May 1975

031007 AZ733.N3A54
[Agricultural] information networks: technology, input and output mechanisms. Farley, R A; National Agricultural Library *Agric Libr Inf Notes* 1 (5): 3-5. May 1975

031008 S17.A35
Needs and demands for farmer education. Hawkins, S *Agric Technol* 6 (4): 3-4. Nov 1975

031009 381 AG85
Agricultural science and american prosperity. White-Stevens, R *Agrichem Age* 18 (8): 8. Nov/Dec 1975

031010 16 AG8226
Agriculture and the limits of demographic development. (Ita) Rotini, O T *Agricoltura* 24 (6): 31-36. June 1975

031011 16 AG8226
Coordinated activity of research for the progress of Italian agriculture. (Ita) Stupazzoni, G *Agricoltura* 23 (8): 39-48. Aug 1974

031012 16 AG8226
Farmers by vocation. (Ita) Martirano, G *Agricoltura* 23 (7): 73-76. July 1974

031013 16 AG8226
Proposed for an audiovisual information system in agriculture. (Ita) Falconio, A *Agricoltura* 24 (5): 15-19. May 1975

031014 16 AG8226
The fellah as a protagonist of the social redemption of Algeria. (Ita) Vespa, B *Agricoltura* 24 (2): 92-95. Feb 1975

031015 16 AG8226
Thousands of county agents in each county of the United States [Rural extension service]. (Ita) Tomassini, A *Agricoltura* 24 (6): 15-22. June 1975

031016 15 AG84
Mexico in 1975: past and present of its agriculture [History]. (Spa) Felipe, I de; Briz, J *Agricultura (Madr)* 44 (519): 576-582. July 1975

031017 19.5 AG8
Activities of the Slovak Agricultural Muzeum in Nitra in 1972. (Slo) Vontorcik, J *Agrikultura* 13: 225-232. 1975

031018 19.5 AG8
Agricultural exhibitions in Slovakia between the two World Wars, (1919-1945). (Slo) Jurkovic, M *Agrikultura* 13: 167-196. Ref. 1975

031019 19.5 AG8
History of agricultural production enterprises [in Slovakia, 1949-1974]. (Slo) Vontorcik, J *Agrikultura* 13: 233-238. 1975

031020 A280.39 M34AM
Available publications of USDA's Agricultural Marketing Service [Bibliographies]. U.S. Agricultural Marketing Service *AMS U S Dep Agric Agric Mark Serv* 546, Slightly Rev., 13 P. Sept 1974

031021 QH541.5.D4A1
Frequency and probability of fry spells at Dharwar [Agricultural meteorology]. Ratnam, B P; Hegde, D M; Joshi, S N *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 201-205. Sept 1975

16 M582
More than fifty years of agronomic experience and social life [Autobiography, agronomists]. (Ita) Zanini, E *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 311-349. Jan/Dec 1974 (Pub. 1975)

031022 473 AN75
Some figures about Brazilian agriculture and their analysis[Acreage, statistics]. (Fre) Bret, B *Ann Geogr* 84 (465): 557-588. Maps. Eng. Sum. Sept/Oct 1975

031023 100 AR42F
The Northeast Branch Station [University of Arkansas, Agricultural Experiment station]. Taylor, M H; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 6-7. Sept/Oct 1975

031024 100 AR42F
The Southeast Branch [Agricultural] Experiment Station [University of Arkansas]. Smith, K B; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 8-9. Sept/Oct 1975

031025 18 G31
Motivation of study of agricultural students during their tuition. (Ger) Bruse, R *Ber Landwirtsch (Hamburg)* (New Ser.) 53 82): 330-337. Oct 1975

031026 100 SO82 (1)
Population change in South Dakota small towns: 1960-1970 [Rural sociology]. Goss, S G; Wagner, R T; Dimit, R M; South Dakota Agricultural Experiment Station *Bull S D State Univ Agric Exp Stn* 636, 27 P. Map. Dec 1975

031027 100 SO82 (1)
South Dakota low income families and migration [Rural sociology]. Montoya, M; Wagner, R T; Dimit, R M; South Dakota Agricultural Experiment Station *Bull S D State Univ Agric Exp Stn* 637, 25 P. Maps. Dec 1975

031028 HD1401.C2
The Prairie [rural] community system. Meredith, M L *Can Farm Econ* 10 (5): 19-27. Oct 1975

031029 280.29 IN88
Agricultural co-operatives in the United Kingdom. Morley, J A E *Coop Inf (Int Labor Off)* 2: 3-20. 1975

031030 H1.D4
Industrialisation, agricultural specialisation, and frontier settlement in south-central Brazil, 1940-70. Katzman, M T *Dev Change* 6 (4): 25-49. Maps. Ref. Oct 1975

031031 TD1.E5
An evaluation of growth-center theory and practice [Regional development]. Hansen, N M *Environ & Plann* 7 (7): 821-832. Map. Ref. 1975

031032 TD1.E5
Controlling interregional migration processes of a Markovian type. MacKinnon, R D *Environ & Plann* 7 (7): 781-792. Ref. 1975

031033 TD1.E5
Migration and the dynamics of multiregional population systems. Cordey-Hayes, M *Environ & Plann* 7 (7): 793-814. Ref. 1975

031034 TD1.E5
On the economic structure of strictly hierarchical central place systems [Rural-urban relations]. Beckmann, M J *Environ & Plann* 7 (7): 815-820. 1975

031035 HD1401.E92
Multiple job holding and leisure time [of farmers]. Hanf, C H; Muller, R A E *Eur Rev Agric Econ* 2 (1): 87-93. 1974/1975

031036 18 W763
Chemicals for farming essential to intensifying agricultural production. (Ger) Artjuschin, A M *Feldwirtschaft* 16 (10): 441-442. Oct 1975

031037 47.8 T432
Agriculture in Nord-Trondelag. (Nor) Sjogard, M *Fjorfe* 92 (6): 181-183. June 1975

031038 19 F75
Agriculture and forestry in mountain areas. (Ger) Riedler, R *Forderungsdienst* 23 (10): 323-326. Oct 1975

031039 19 F75
Supporting advice [Agriculture]. (Ger) Alfons, H *Forderungsdienst* 23 (10, Suppl. 1): 1-2. Oct 1975

031040 S19.G74
Advances in [Indian] agricultural extension education. Sharma, S K *Green Revolution* P. 141-144. 1974

031041 S19.G74
Failure of research to reach the farm [India]. Krishnaswamy, S Y *Green Revolution* P. 39-43. 1974

031042 S19.G74
How green is the green revolution [in India]. Ladejinsky, W *Green Revolution* P. 9-11. 1974

031043 S19.G74
Improved communication can bring rural change [in India]. Singh, K N *Green Revolution* P. 146-149. 1974

031044 S19.G74
International co-operation in agricultural research. Kanwar, J S *Green Revolution* P. 150-153. 1974

031045 S19.G74
Recent progress in agricultural research [India]. *Green Revolution* P. 49-52, 54-56. 1974

031046 100 AL1H
Standard of excellence set by early [Alabama Agricultural Experiment] Station directors [History]. Roberson, R; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 4. Winter 1975

031047 HD654.B785 1972
Leading farmer classes of today [Social organization, Europe]. (Ger) Planck, U *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 331-345. Ref. 1975

031048 HD654.B785 1972
Leading peasant classes in Old Bavaria [History, sociology]. (Ger) Haushofer, H *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 103-135. Ref. 1975

031049 HD654.B785 1972
Leading peasant classes of Dithmarschen between Peasants' War and peasants' liberation. (Ger) Nissen, N R *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 165-182. Ref. 1975

031050 HD654.B785 1972
Leading peasant classes of Austria-Hungary in the 19th and 20th centuries and their achievements [History, social and political aspects]. (Ger) Dinklage, K *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 195-223. Ref. 1975

031051 HD654.B785 1972
Leading peasant classes in Bavaria in the 19th to 20th centuries [History, sociology]. (Ger) Haushofer, H *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 225-243. Ref. 1975

031052 HD654.B785 1972
Leading peasant class in Hesse in the 19th and 20th centuries [History, social and political aspects]. (Ger) Schlau, W *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 265-290. Ref. 1975

031053 HD654.B785 1972
Peasant leaders in Tyrol from the 16th to the 18th century [History, social and political aspects]. (Ger) Huter, F *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 43-63. Ref. 1975

031054 HD654.B785 1972
Peasants in the Bavarian Provincial Diet (1819-1970) [History]. (Ger) Lenk, L *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 245-264. Ref. 1975

031055 HD654.B785 1972
Revolution of continuity—the personnel structure of the peasants of the Third Reich [History, social and political aspects]. (Ger) Gies, H *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 323-330. Ref. 1975

031056 HD654.B785 1972
Sociologic structure of the Swiss peasants in the late Middle Ages. (Ger) Hauser, A *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 65-88. Ref. 1975

031057 HD654.B785 1972
Swiss colonists in East Prussia from 1710 to 1730 as an example of colonizing peasants [History, land colonization]. (Ger) Wunder, G *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 183-194. Ref. 1975

031058 HD654.B785 1972
The leaders in the Peasants' War [History]. (Ger) Franz, G *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 1-15. Ref. 1975

031059 HD654.B785 1972
The leading ranks of the farmers' associations [History, sociology, Westphalia]. (Ger) Muth, H *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 291-321. Ref. 1975

031060 HD654.B785 1972
The peasant aristocracy of the Kocherberg area in the outgoing Middle Ages and at the beginning of modern times [History, sociology, France]. (Ger) Rapp, E *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 89-101. Ref. 1975

031061 HD654.B785 1972
The peasants in East-Friesian agriculture in the 16th to 18th centuries [History, social and political aspects]. (Ger) Wiemann, H *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 153-164. Ref. 1975

031062 HD654.B785 1972
The ruling class and the subject class with land interests in the German southwest [History, social organization]. (Ger) Blickle, P *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 17-41. Ref. 1975

031063 HD654.B785 1972
Upper peasant classes in Old Wirtemberg [History, sociology]. (Ger) Wunder, G *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 137-151. Ref. 1975

031064 SB52.G43F6
Development trends in the education of wine growers and farmers. (Ger) Heinemann, H U *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 52-55. 1974

031065 SB52.G43F6
The condition of education, technical schools in the change of times [Agriculture]. (Ger) Zorcher, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr-Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 55-72. 1974

031066 QH541.5.L3S7
Resettlement [Rural population]. Scudder, T *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 453-471. Ref. 1975

031067 SD645.P6
Basic research and development [Agriculture]. (Fre) Aubert, G *In Potassium in Tropical Crops and Soils* P. 551-556. Eng. Sum. 1974

031068 SD645.P6
Programming of agricultural research in the Ivory Coast. (Fre) Du Plessix, C J; Lohoury, G G; Dinechin, B D de; Lazzarino, C *In Potassium in Tropical Crops and Soils* P. 523-541. Ref. Eng. Sum. 1974

031069 SD645.P6
The connections of research in the Ivory Coast with the French Organization for Agricultural Research in Overseas Countries. (Fre) Lanfranchi, J *In Potassium in Tropical Crops and Soils* P. 543-550. Eng. Sum. 1974

031070 HN389.D75
Ideas and arguments, farm servants. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 232-262. Ref. 1974

031071 HN389.D75
Ideas and arguments: Crofters [Rural unrest]. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 263-281. Ref. 1974

031072 HN389.D75
Ideas and arguments, the tithe war [Rural unrest]. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 282-296. Ref. 1974

031073 HN389.D75
The crofter's "land war" [Rural unrest]. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 181-210. Ref. 1974

031074 HN389.D75
The Welsh "tithe war" [Rural unrest]. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 211-231. Ref. 1974

031075 HN389.D75
Northumberland in the 1870s [Rural labor unrest]. *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 155-172. Ref. 1974

031076 HN389.D75
The first half of the nineteenth century [Rural unrest]. *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 18-26. Ref. 1974

031077 HN389.D75
Village radicalism in East Anglia 1800-50 [Rural labor unrest]. Peacock, A J *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 27-61. Ref. 1974

031078 S471.I4S92
Green Revolution [History of agriculture]. Shrikhande, J G *In Symp on Green Revolution* P. 159-160. 1974

031079 S471.I4S92
Pros and cons of Green Revolution [in agriculture]. Mukherjee, S K *In Symp on Green Revolution* P. 137-140. 1974

031080 22 IN283
Agricultural revolutions—loss and gain for women. Burman, B K R *Indian Farming* 25 (8): 29-30, 40. Nov 1975

031081 22 IN283
Extension training [for women]. Kamalanathan, G; Seethalakshmi, S *Indian Farming* 25 (8): 60-61. Nov 1975

031082 22 IN283
Role in agricultural extension. Pushpamma, P *Indian Farming* 25 (8): 57-58. Nov 1975

031083 22 IN283
The saga of women in the hills [Rural sociology]. Parmar, S *Indian Farming* 25 (8): 11-13. Nov 1975

031084 22 IN283
Training for scientific agriculture. Ahmed, W *Indian Farming* 25 (8): 47, 61. Nov 1975

031085 22 IN283
Women in ancient Indian agriculture. Gopal, L *Indian Farming* 25 (8): 62-63. Nov 1975

031086 22 IN283
Women in rural society: options for the future. Jain, D *Indian Farming* 25 (8): 23, 25, 27-28. Nov 1975

031087 334.8 IN84
The energy spectrum of a relatively large kilocurie 60Co [cobalt isotope] source used in agriculture. Visser, C J; Mouton, W L *Int J Appl Radiat Isot* 26 (10): 573-578. Ref. Oct 1975

031088 470 IO9
Remote sensing of Iowa's agricultural resources by using the ERTS [Earth Resources Technology Satellite]-1 satellite. Carlson, R E; Fenton, T E *Iowa State J Res* 50 (2): 189-207. Maps. Nov 1975

031089 16 IT1
Agricultural aspects of the Alburni region: Roscigno, an area on the move; the old and the new. (Ita) Palmieri, A *Ital Agric* 112 (9): 32-44. Map. Sept 1975

031090 16 IT1
Ecology and agriculture. (Ita) Fischetti, B *Ital Agric* 112 (10): 20-23. Oct 1975

031091 16 IT1
Information in agriculture: technical assistance and popularization. (Ita) Volpi, R *Ital Agric* 112 (9): 28-31. Sept 1975

031092 16 IT1
Young farmers and the structure policy [Land tenure, inheritance, family farms]. (Ita) Galizzi, G *Ital Agric* 112 (5): 60-73. May 1975

031093 99.8 IT12
Instruction of topography and construction in courses for obtaining academic degrees in agricultural and forest sciences. (Ita) Gasperi-Campani, I *Ital For Mont* 59 (4): 155-160. July/Aug 1975

031094 HD2087.J6
Increased agricultural productivity and effective delivery system of extension services. Sandol, P R *J Agric Econ Dev* 5 (2): 155-163. July 1975

031095 HD2087.J6
Problems on curriculum development in extension personnel training. Juliano, C *J Agric Econ Dev* 5 (2): 164-171. July 1975

031096 G141.J6
Northeast Brazil 1700-50: the agricultural crisis re-examined [History]. Galloway, J H *J Hist Geogr* 1 (1): 21-38. Maps. Ref. Jan 1975

275.9 N213
Expanding international agricultural research and development to meet the world food crisis. Beck, G H *J Natl Assoc Coll Teach Agric* 19 (2): 13-14. June 1975

275.9 N213
International trade [of farm products] and agricultural education. Witt, L *J Natl Assoc Coll Teach Agric* 19 (2): 46-49. June 1975

031097 275.9 N213
Weather variability: important factor in the food crisis. McQuigg, J D *J Natl Assoc Coll Teach Agric* 19 (2): 34-35. June 1975

031098 HD1521.J6
Agrarian reform and the transition to socialism in Chile, 1970-1973. Kay, C *J Peasant Stud* 2 (4): 418-445. Ref. July 1975

031099 HD1521.J6
Agriculture and the State: An inquiry into agricultural differentiation and political alliances: the case of Turkey. Birtek, F; Keyder, C *J Peasant Stud* 2 (4): 446-467. Ref. July 1975

031100 HD1521.J6
Chayanov and the economics of the Russian peasantry. Harrison, M *J Peasant Stud* 2 (4): 389-417. Ref. July 1975

031101 HD1521.J6
Stability and change 1300-1700: The socio-economic context of the self-perpetuating family farm in England. Howell, C *J Peasant Stud* 2 (4): 468-482. Ref. July 1975

031102 HD1491.G3K6
Intensification of education and further training [East Germany]. (Ger) Schmidt, H; Gumz, W; Kaiser, F *Kooperation* 9 (12): 571. Dec 1975

031103 105.2 OR3
Data concerning weather and climate. (Dut) Scharringa, M *Landbouwkd Tijdschr* 87 (1): 14-16. Jan 1975

031104 11 L236
Glimpses of Hungarian agriculture. (Nor) Oldren, O *Landbrukstidende* 81 (43): 921-923. Oct 25, 1975

031105 11 L236
Swedish State Agricultural Society dedicates new research facility. (Nor) Raastad, N *Landbrukstidende* 81 (47): 1006-1007. Nov 22, 1975

031106 11 L236
150 years of public agricultural instruction in Norway. (Nor) Wold, A *Landbrukstidende* 81 (39): 936-938. Sept 27, 1975

031107 9.2 L39
National Society of Agriculture and the depository library of the Food and Agriculture Organization. (Por) Duarte de Barros, W *Lavoura* 78 (1): 21. Jan/Feb 1975

031108 107.6 EH33
A list of published research reports of the faculties in the College of Agriculture, Ehime University in 1974. (Jpn) *Mem Coll Agric Ehime Univ* 20: 167-182. Oct 1975

031109 SB353.M8
Four farm tour of Scandinavia. Tuite-Dalton, J *Mushroom J* 33: 317, 320, 322-324, 326-328. Sept 1975

031110 S19.M9
[Socio-economic] characteristics of dairy farmers in Bangalore milk-shed area. Patil, S H; Ramachandra, K T; Dwarakinath, R; Ganapathy, K R *Mysore J Agric Sci* 9 (3): 493-499. 1975

031111 S17.N4
Agricultural science in today's world. Burns, W J *N Z Agric Sci* 9 (3): 73-77. Aug 1975

031112 S17.N4
New Zealand rural society. A framework for study. Gill, H; Gill, T *N Z Agric Sci* 9 (2): 60-68. Ref. May 1975

031113 S17.N4
Whatawhata Hill Country Research Station: its function, organization and current research programme [Agriculture]. Hight, G K *N Z Agric Sci* 9 (2): 55-59. May 1975

031114 475 N223
Yesterday, today and tomorrow of the Agricultural Academy in Poznan. (Pol) Fiszer, W *Nauka Pol* 23 (11/12): 70-82. Nov/Dec 1975

031115 24 N5623
The effectiveness of selected extension methods in influencing farm improvements. Obibuaku, L O; Hursh, G D *Niger Agric J* 11 (2): 143-149. Oct 1974

031116 340.9 SO1
Modeling air temperature for plant and animal simulation. Jordan, K A; Takakura, T; Buffington, D E; Boyd, L L *Nogyo Kisho J Agric Meteorol* 31 (3): 125-134. Dec 1975

031117 281.9 B832N
Brief survey of Belgian agriculture in 1974. (Fre) Tambuyzer, C; Gerard, P *Notes I E A (Inst Econ Agric Brux)* 42, 18 P. Mar 1975

031118 64.8 N76
Andor Janossy, 1908-1975 [Agronomists, Hungary]. (Hun) Svab, J *Novenytermeles* 24 (3): 267-268. Sept 1975

031119 64.8 N76
Commemoration of J. Gyarfas on the centennary of his birth [Agronomists, Hungary]. (Hun) Berzsenyi-Janosits, L *Novenytermeles* 24 (3): 271-272. Sept 1975

031120 TA593.A43
The significance of remote sensing techniques for agricultural, forestry, and rangeland management. Miller, R H *Pap Annu Meet Am Soc Photogramm* 41st: 199-206. 1975

031121 20.5 P84
Concept of organization of an information system for agriculture. (Pol) Drelichowski, L; Glodek, Z *Postepy Nauk Roln* 22 (2): 93-98. 1975

031122 20.5 P84
Plan of coordination of research in the field of agriculture and forestry in connection with environmental protection. (Pol) Pronczuk, J *Postepy Nauk Roln* 22 (1): 123-128. 1975

031123 21 R862
Contribution of the Agricultural University "Dr. Petru Groza" in Cluj to the forming of a staff of specialists for our socialist agriculture. (Rum) Negrutiu, E *Prod Veg Cereale Plante Teh* 26 (8): 29-32. Aug 1974

031124 21 R862
The optimum territorial distribution of plant production on district level. (Rum) Condratenco, T *Prod Veg Cereale Plante Teh* 26 (11): 4-9. Map. Nov 1974

031125 275.29 M68EXT
A career for you in agricultural and extension education. Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 927, 10 P. 1975?

031126 22.5 N687
Agricultural fundamentalism in the oriental literature. (Jpn) Saito, Y *Q J Agric Econ* 29 (4): 91-122. Ref. Oct 1975

031127 284.9 M58
Family-community resource linkage [Rural sociology]. Miller, B K; Schlater, J D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 280, 12 P. Ref. Oct 1975

031128 100 SO82S
Agricultural Experiment Station, South Dakota State University Brookings, South Dakota; 87th annual report. South Dakota Agricultural Experiment Station *S D Farm Home Res* 25 (4), 46 P. Ref. 1975

031129 470 SCI2
Agricultural research system. Lovvorn, R L *Science* 191 (4224): 241. Jan 23, 1976

031130 S13.S44
Solution of phenoprognostic problems by combining phenological curves with the annual temperature dynamics [Climate]. (Rus) Podol'skii, A S; Denisov, V V *S-kh Biol* 10 (1): 118-122. Eng. Sum. Jan/Feb 1975

031131 9.6 SU7
Agricultural education. Ruinard, J *Surinaam Landbouw* 23 (2): 51-56. 1975

031132 9.6 SU7
Agricultural potentials in relation to changing social patterns. Amson, F W van *Surinaam Landbouw* 23 (2): 44-50. 1975

SB111.A2T72
Farm machinery and problems of unemployment in developing countries. (Ger) Lorenz, F *Tropenlandwirt* 76: 67-77. Ref. Eng. Sum. Oct 1975

031133 105.9 L65V
Man's interference in nature [Agricultural aspects]. (Ger) Linser, H *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 41-50. 1975

031134 105.9 L65V
Present and future tasks and the significance of agricultural experiment and research institutes. (Ger) Heigener, H *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 27-39. 1975

031135 20 V82
Scientific and production activity of the Crimean State Agriculture Experiment Station. (Ukr) Holubyns'kyi, IU D *Visn Sil's'kohospod Nauki* 10: 104-106. Oct 1975

031136 1 AG84Y
Better mushrooms, hops, tabasco, and even mink [Agricultural research]. Goss, G W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 329-336. 1975

031137 1 AG84Y
Experiment or starve: the early settlers [Agricultural history]. Rasmusen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 10-14. 1975

031138 1 AG84Y
Jefferson, Washington and other farmers [Agricultural history]. Rasmussen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 15-22. 1975

031139 1 AG84Y
Main Street pokes along while urban areas boom [Small towns and the rural areas]. Bohlen, J M; Powers, R C; Wallize, J A; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 55-64. 1975

031140 1 AG84Y
Research from soil to oil: Doing whatever is needed. Lovvorn, R L; Robertson, D V; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 31-40. Map. 1975

031141 1 AG84Y
The first two [state agricultural experiment] stations—Connecticut, California. Waggoner, P E; Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 2-8. 1975

031142 1 AG84Y
The Great Depression: farm ills hit the cities [History]. Baker, G L; Murray, W G; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 47-54. 1975

031143 281.8 Z32
Rural development, the necessity of an economy of subsidized agriculture. (Ger) Heimpel, C *Z Ausl Landwirtsch* 14 (3): 276-277. July/Sept 1975

20.5 Z5
Transformation of meadow and plant communities within the last few decades as an index of changes in natural and agricultural conditions [in Poland]. (Pol) Grynia, M *Zesz Probl Postepow Nauk Roln* 169: 31-40. 1975

GENERAL AGRICULTURAL ECONOMICS AND LAND ECONOMICS

031144 14 P215BC
Note on some recent works on the agro-food economy. (Fre) Malassis, L *Acad Agric Fr C R Seances* 61 (9): 503-513. 1975

031145 14 P215BC
The right to space [Land utilization]. (Fre) Farcy, R P de *Acad Agric Fr C R Seances* 61 (8): 419-437. 1975

031146 280.8 AG82
The agriculture of Malaysia [Economic aspects]. (Ger) Lifka, A *Agrar Rundsch* 7/8: 39-40. Dec 1975

031147 281.8 AG826
Theory and practice of operational goals. Results of analysis of goals of entrepreneurs in horticulture. (Ger) Hinken, J *Agrarwirtschaft* 24 (8): 212-220. Ref. Eng. Sum. Aug 1975

031148 1 EC7AGR
Economic research in the Department of Agriculture: a historical perspective. Baker, G L; Rasmussen, W D; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 53-72. Ref. July/Oct 1975

031149 1 EC7AGR
Using the automatic interaction detection (AID) model to obtain homogeneous classifications of farmland [real estate] markets. Clifton, I D; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 93-100. Ref. July/Oct 1975

031150 16 AG8226
Agriculture is just beginning to move in Poland [Economic aspects]. (Ita) Vespa, B *Agricoltura* 24 (3): 97-100. Mar 1975

031151 16 AG8226
Argentina in search of an equilibrium between industry and agriculture. (Ita) Vespa, B *Agricoltura* 23 (7): 77-80. July 1974

031152 16 AG8226
Developmental requirements of the food industry and development of the agricultural food system [Economic aspects]. (Ita) Buitoni, B *Agricoltura* 24 (1): 53-57. Jan 1975

031153 16 AG8226
The residences of farm tourists [Tourism]. (Ita) Chelini, A *Agricoltura* 23 (8): 73-77. Aug 1974

031154 16 AG8226
We have stopped at 1927 with our civic customs [Land reform, legislation, history]. (Ita) Pasquini, A *Agricoltura* 24 (3): 33-43. Mar 1975

031155 S1.A375
A land use policy for Canada. *Agrologist* 4 (4): 22-23, 25. Autumn 1975

031156 S1.A375
Canadian inventory: how much land do we have? McKeague, J A *Agrologist* 4 (4): 10-12. Map. Autumn 1975

031157 S1.A375
In search of a land use policy. McPherson, J *Agrologist* 4 (4): 29. Autumn 1975

031158 S1.A375
The politics of land use. Bursa, M *Agrologist* 4 (4): 27-28. Autumn 1975

031159 QH541.5.D4A1
Preliminary studies on the role of trenches in isolating root effect of forest trees bordering agricultural crops [Landuse]. Singh, A; Dayas, R *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 241-244. Sept 1975

031160 SD79.A3E5
Suitability and feasibility analysis of [regional] planning for mountain regions [as shown by the example of Goms area (Wallis canton). (Ger) Gresch, P *Ber Eidg Anstalt Forstl Vers* 152, 128 P. Ref. Sept 1975

031161 18 G31
Development of agriculture in the Balkan states in the period between the two world wars from 1919 to 1939 [Economic aspects]. (Ger) Tornow, W *Ber Landwirtsch (Hamburg)* 53 (1): 86-117. Ref. Eng. Sum. July 1975

031162 18 G31
The regional production structure of agriculture in Lower Saxony. State, development and governing factors. (Ger) Altmann, A *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 254-290. Maps. Ref. Eng. Sum. Oct 1975

031163 18 G31A
Case studies on agribusiness according to the Harvard-Case method [Farm management]. (Ger) Stuhler, E A; Arthur, H B *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 189, 348 P. Ref. 1975

031164 S900.B5
Report by Bureau of Land Management on range conditions and grazing in Nevada. Vale, T R *Biol Conserv* 8 (4): 257-260. Dec 1975

031165 100 F66S (1)
The economics of water oriented outdoor recreation in the Kissimmee River Basin [Land use]. Gibbs, K C; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 769, 51 P. Map. Ref. May 1975

031166 100 W52 (1)
Rural land use in the Monongahela River Basin [West Virginia]. Akintola, J; Colyer, D; Weber, W; West Virginia Agricultural Experiment Station *Bull W Va Agric Exp Stn* 641, 39 P. Map. Aug 1975

031167 280.38 D442
Economic role of Guadaloupe [Agriculture]. (Fre) *Depeche Ind Commer Agric* (New Ser.) 28 (249): 30. Nov 1975

031168 HD1401.E92
The Dutch system of farm classification. Kuperus, J A *Eur Rev Agric Econ* 2 (1): 47-64. 1974/1975

031169 18 W763
Plot documentation and its adequate use for socialist farms. (Ger) Kasch, W; Kussmann, S; Ratzke, U; Weinert, R *Feldwirtschaft* 16 (11): 512-516. Maps. Nov 1975

031170 100 AL1H
Land use in Alabama. Yeager, J H; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 8. Winter 1975

HD654.B785 1972
Swiss colonists in East Prussia from 1710 to 1730 as an example of colonizing peasants [History, land colonization]. (Ger) Wunder, G *In Bauernschaft und Bauernstand 1500-1970. G. Franz, ed.* P. 183-194. Ref. 1975

031171 HD1516.G3N5
Development of the west German furlong field [Land settlement, history]. (Ger) Homberg, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 66-80. Ref. 1974

031172 HD1516.G3N5
Development of the furlong field as reflecting events of cultivated areas [Land settlement, history, Lower Franconia]. (Ger) Krenzlin, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 108-135. Ref. 1974

031173 HD1516.G3N5
Early medieval roots of the furlong field in southwest Germany [Land settlement, history]. (Ger) Boelcke, W A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 136-183. Ref. 1974

031174 HD1516.G3N5
Elongated strip field and previllage, a contribution to the land settlement geography of western Germany [History]. (Ger) Muller-Wille, W *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 247-314. Ref. 1974

031175 HD1516.G3N5
Elongated strip fields in old northwestern North Germany [Land settlement, history]. (Ger) Hambloch, H *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 361-385. Ref. 1974

031176 HD1516.G3N5
Field and land settlement development in old Westphalia [History]. (Ger) Martiny, R *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 187-211. Ref. 1974

031177 HD1516.G3N5
Furlong village and detached village [Land settlement, history]. (Ger) Steinbach, F *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 42-65. Ref. 1974

031178 HD1516.G3N5
History of development of field forms in the old land settlements of South Germany. (Ger) Otremba, E *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 81-107. Ref. 1974

031179 HD1516.G3N5
Introduction: paths taken by historic and genetic [land] settlement research. (Ger) Nitz, H J *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 1-11. 1974

031180 HD1516.G3N5
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, clustered village and radial settlement [History, USSR]. (Ger) Wilhelmy, H *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 419-443. Ref. 1974

031181 HD1516.G3N5
Primary and secondary [land] settlement forms in the Lower Geest of the Hannover Wend area [History]. (Ger) Schulz-Luchow, W *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 472-489. 1974

031182 HD1516.G3N5
Principles and methods of furlong measurement [Land settlement, history]. (Ger) Meitzen, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 15-27. 1974

031183 HD1516.G3N5
Problem of the formation and age of radial villages in eastern Lower Saxony [Land colonization, history, Slavs]. (Ger) Meibeyer, W *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 490-513. Ref. 1974

031184 HD1516.G3N5
Questions on Northwest-German land settlement and field research in the light of East-German research [History]. (Ger) Mortensen, H *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 315-333. Ref. 1974

031185 HD1516.G3N5
Regular elongated strip fields and Frankish colonization: an investigation of their relations in the western areas of the Upper Rhine and in other German districts [Land, history]. (Ger) Nitz, H J *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 334-360. Ref. 1974

031186 HD1516.G3N5
Spread of Alemannic-Frankish [land] settlement and its connection with the spread of furlong villages [History]. (Ger) Gradmann, R *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 28-41. Ref. 1974

031187 HD1516.G3N5
The "Eschkern" theory and the problem of Germanic—German cultivated area continuity [Land settlement, history, northwestern Germany, Netherlands]. (Ger) Niemeier, G *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 222-246. Ref. 1974

031188 HD1516.G3N5
The matter of radial land settlement in the Hannover Wend area [History]. (Ger) Krenzlin, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 408-418. Ref. 1974

031189 HD1516.G3N5
The northern strip field [Land settlement, history]. (Ger) Homberg, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 212-221. Ref. 1974

031190 HD1516.G3N5
The question of radial land settlement in western East Germany [History]. (Ger) Krenzlin, A *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 444-456. Ref. 1974

031191 HD1516.G3N5
The radial matter as a problem of the map of the form of historical [land] settlement of Mecklenburg and Pomerania. (Ger) Engel, F *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen, H. J. Nitz, ed.* P. 457-471. 1974

031192 HD1516.G3N5
The Wendish radial village [Land settlement, history]. (Ger) Jacobi, V *In Historisch-Genetische Siedlungsforschung Genese und Typen Landlicher Siedlungen und Flurformen. H. J. Nitz, ed.* P. 389-407. 1974

031193 HC115.O316
Agriculture in the Canadian economy. Craddock, W J; Lewis, E T *In Issues in Canadian Economics. L. H. Officer & L. B. Smith, eds.* P. 150-168. 1974

031194 QH76.Z82
Application of a landscape-preference model to land management. Brush, R O; Shafer, E L *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 168-182. 1975

031195 QH76.Z82
[Landscape] preservation policy and personal perception: a 200-million-acre misunderstanding [Land-use]. Little, C E *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 46-57. 1975

031196 389.8 K832
Fruit and vegetable processing industry in Turkey [Economic aspects]. (Ger) Bulbul, M *Ind Obst Gemuseverwert* 60 (19): 553-558. Oct 2, 1975

031197 HD9000.1.I53
A concept for agricultural land use: Michigan Department of Agriculture. Ball, B D *Int Conf Handling Perish Agric Commod* 26th: 32-33. 1974

031198 S19.I78
Agricultural adjustment-the Isareli experience. Pohoryles, S *Isr Agric* P. 51-54. Autumn/Winter 1975

031199 S19.I78
Israel's institutional framework of land policy. Pohoryles, S *Isr Agric* P. 59-67. Autumn/Winter 1975

031200 HD2087.J6
On teaching and research in agricultural economics and agribusiness. Deomampo, N R *J Agric Econ Dev* 5 (2): 172-173. July 1975

031201 HC75.E5J6
Biophysical land classification schemes: a review of their relevance and applicability to agricultural development in the humid tropics. Moss, M R *J Environ Manage* 3 (4): 287-307. Maps. Ref. Oct 1975

031202 G141.J6
Tithe surveys and landownership [England and Wales]. Kain, R J P *J Hist Geogr* 1 (1): 39-48. Map. Ref. Jan 1975

031203 18 N39
Clear arrangements prevent disputes [Farm leasing]. (Ger) Weirauch, I *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1160-1161. Nov 6, 1975

031204 18 N39
Leasing farms. (Ger) Osthoff, F K *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1164. Nov 6, 1975

031205 18 N39
Repeated crop failure in the Soviet Union. (Ger) Jaehne, G; Pospelowa, G *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (19): 1061-1062. Oct 2, 1975

031206 18 N39
What prospects are there for the tenant farmer? (Ger) Lipinsky, E E *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1154-1156. Nov 6, 1975

031207 S17.N4
Competition for productive land in New Zealand. Leamy, M L *N Z Agric Sci* 9 (3): 91-97. Aug 1975

031208 S17.N4
People as a factor influencing future agricultural production. Morton, H A *N Z Agric Sci* 9 (3): 85-90. Aug 1975

031209 TA593.A43
Applicability of Skylab orbital photography to coastal wetland mapping [Chesapeake Bay]. Anderson, R M; Carter, V *Pap Annu Meet Am Soc Photogramm* 41st: 371-377. Ref. 1975

031210 TA593.A43
Automated land-use mapping from spacecraft data. Rogers, R H; Reed, L E *Pap Annu Meet Am Soc Photogramm* 40th: 417-432. Maps. 1974

031211 TA593.A43
Investigations of [Delaware] coastal land use and vegetation with ERTS [Earth Resources Technology Satellite]-1 and Skylab-EREP. Bartlett, D; Klemas, V *Pap Annu Meet Am Soc Photogramm* 41st: 378-389. 1975

031212 TA593.A43
Mapping land-use from existing air photos [Michigan]. Walton, J M; Olson, C E Jr; Limoges, E *Pap Annu Meet Am Soc Photogramm* 40th: 290-300. 1974

031213 TA593.A43
Merits of conventional aerial photography in an intensive natural resources inventory in Puerto Rico [Land use]. Liegel, L H; Toro, G A del *Pap Annu Meet Am Soc Photogramm* 40th: 178-191. 1974

031214 TA593.A43
Quantitative photo-interpretation for wetland mapping [Wisconsin]. Scarpace, F L; Kiefer, R W; Wynn, S L; Quirk, B K; Friederichs, G A *Pap Annu Meet Am Soc Photogramm* 41st: 750-771. Maps. Ref. 1975

031215 TA593.A43
Statewide land cover mapping using ERTS [Earth Resources Technology Satellite] imagery [Wisconsin]. Kiefer, R W; Frazier, B E; Miller, A H *Pap Annu Meet Am Soc Photogramm* 41st: 141-145. 1975

031216 241 IN832
Agriculture in the Irish economy. Sheehy, S J *Phospho Agric* 29 (65): 1-8. Sept 1975

031217 275.29 IO9PA
Outdoor recreation in southeastern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640g, 4 P. Map. Nov 1975

031218 275.29 IO9PA
Outdoor recreation in southwestern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640h, 4 P. Map. Nov 1975

031219 275.29 IO9PA
Outdoor recreation in central Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640f, 4 P. Map. Nov 1975

031220 275.29 IO9PA
Outdoor recreation in east central Iowa: 1970 and 1975 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640e, 4 P. Map. Nov 1975

031221 275.29 IO9PA
Outdoor recreation in northwestern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640d, 4 P. Map. Nov 1975

031222 275.29 IO9PA
Outdoor recreation in north central Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640c, 4 P. Map. Nov 1975

031223 275.29 IO9PA
Outdoor recreation in northeastern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640b, 4 P. Map. Nov 1975

031224 275.29 IO9PA
Outdoor recreation in Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640a, 4 P. Map. Nov 1975

031225 19.5 P752
Prognosis of the development of the structure of agricultural soil fund and planted areas in the Slovak Socialist Republic up to 1990 [Land utilization]. (Slo) Rychtarik, J; Zat'ko, J *Pol'nohospodarstvo* 21 (7): 579-584. Ref. Eng. Sum. 1975

031226 14 P94
Economies and the Technical Wine Institute. (Fre) Branas, J *Prog Agric Vitic* 92 (23): 717-722. Nov 15, 1975

031227 22.5 N687
Land utilization and its economic contribution to the rural communities. (Jpn) Watanabe, H *Q J Agric Econ* 29 (4): 73-90. Oct 1975

031228 281.9 AU73
The changing structure and enconomic situation of the Australian sheep and beef cattle grazing industry. McCarron, A C *Q Rev Agric Econ* 28 (3): 152-176. Map. July 1975

031229 100 OH3R
Fee fishing lakes in Ohio [Recreation, directories]. Mountz, G L; Hackney, P A; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 208, 27 P. Nov 1975

031230 284.9 M58
Private land leasing for public recreation—snowmobiling in Michigan [Land use]. Manning, R E; Holecek, D F; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 282, 11 P. Maps. Ref. Nov 1975

031231 473 ET8
Agrarian reform in Greece. (Fre) Pechoux, P Y *Rev Geogr Lyon* 50 (4): 317-332. Eng. Sum. 1975

031232 44.8 IN2
Survey of the Austrian dairy economy. (Fre) Oppenheim, J F *Rev Lait Fr* 337: 779-780. Dec 1975

031233 9.4 R32
We must keep the people in the country with the only inducement of a larger income approximating that earned in the cities [Cotton industry, economic aspects, Colombia]. (Spa) Lopez Michelsen, A *Rev Nac Agric* 68 (816): 4-9. June 30, 1975

031234 S7.O8
Anticommunity land settlement: concept and problem [Legislation, Austria]. (Ger) Bach, H; Jeschke, H P *Schriftenr Agrarsoziologie Agrarrecht* 18, 142 P. Ref. 1975

031235 100 AR42SP
Resident and tourist perceptions of the Ozark Folk Center [Land use]. Tebbetts, D O; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 24, 33 P. Jan 1976

031236 292.8 T13
A suggestion for increasing food production by developing land resources. (Chi) Huang, T F *Taiwan Water Conserv* 23 (3): 11-19, 70. Eng. Sum. Sept 1975

031237 49 T443
On the 30th anniversary of the democratic land reform [EastGermany]. (Ger) Rasper, W *Tierzucht* 29 (9): 385-387. Sept 1975

031238 20 V82
Agricultural productivity grouping of soils for land management. (Ukr) Derevyts'kyi, A V *Visn Sil's'kohospod Nauki* 10: 41-46. Oct 1975

031239 56.8 W28
Industrial society and rural district [Land utilization]. (Ger) Paulssen, U *Wasser & Boden* 27 (11): 281-285. Nov 1975

AGRICULTURAL ADMINISTRATION AND MANAGEMENT

031240 S760.A75A35
Resource productivity on selected [mechanized and non-mechanized] farming areas on Punjab. Mehta, P *A M A (Agric Mech Asia)* 6 (2): 59-63. Autumn 1975

031241 14 P215BC
Responsility of farmers in the creation of non agricultural work in rural environment. (Fre) Farcy, R P de *Acad Agric Fr C R Seances* 61 (9): 472-480. 1975

031242 280.8 AG82
Applied research for counseling of farm management. (Ger) Klasz, W *Agrar Rundsch* 7/8: 16-19. Dec 1975

031243 280.8 AG82
Functionally suitable building sites, a prerequisite for competitive production, adaptability and the further existence of farms [Management]. (Ger) Herms, A *Agrar Rundsch* 7/8: 20-21. Dec 1975

031244 280.8 AG82
Use of electronic data processing in farm accounting [Management, Austria]. (Ger) Bochsbichler, K *Agrar Rundsch* 7/8: 12, 14-16. Dec 1975

031245 S16.H8A32
Application of linear programming in the determination of an optimum organization of the cattle branch under varying conditions. (Hun) Kovacs, G *Agrar Tud Egy Kozl (Godollo)* P. 391-406. 1974

031246 58.8 D482
A new division of time in agriculture and forestry. (Ger) Schimming, J *Agrartechnik* 25 (8): 402-403. Aug 1975

031247 58.8 D482
Control dispatcher station for operative control in plant production. (Ger) Jones, H *Agrartechnik* 25 (11): 526-528. Nov 1975

031248 58.8 D482
Experiences made with the central dispatcher station in the Dorf Mecklenburg Crop Cooperative. (Ger) Rose, G; Schlaak, G *Agrartechnik* 25 (11): 529-530. Nov 1975

031249 58.8 D482
More efficient control activities by an improved information system [Cooperatives]. (Ger) Richter, K H; Poehls, A *Agrartechnik* 25 (11): 523-525. Nov 1975

031250 58.8 D482
Study of time funds available for maintaining industrial dairy cattle plants. (Ger) Rupp, G *Agrartechnik* 25 (8): 377-379. Aug 1975

031251 S3.A32
Observations on the organisation of a unit improved peasant farm at the Institute of Agriculture, Ambo, Shoa Province, Ethiopia, 1969-1974. Akroyd, D *Agric Adm* 2 (4): 307-319. Oct 1975

031252 101 AL1A
Alberta farm business simulator (Altasim) a farm managementteaching tool. Brown, B *Agric Bull Univ Alberta* 28: 13-15. Fall 1975

031253 16 AG8226
Clear ideas on contractual relations between poultry operators. (Ita) Grazzani, R *Agricoltura* 24 (9): 20-22. Sept 1975

031254 16 AG8226
Industrialists constrained to yield after absurd strong-arm tactics [Contract farming]. (Ita) Civinini, S *Agricoltura* 24 (7/8): 71-74. July/Aug 1975

031255 16 AG8226
Rationalization of forms of contract type of vertical integration in agriculture. (Ita) Friz, C *Agricoltura* 24 (1): 63-67. Jan 1975

031256 16 AG8226
Regions under the microscope [Labor and utilization of agricultural and forest lands]. (Ita) Donati, M *Agricoltura* 24 (7/8): 31-35. July/Aug 1975

031257 19.5 AG8
Function of the shepherds and codification in contracts of shepherds in the Liptov area. (Slo) Petras, M *Agrikultura* 13: 71-84. Ref. 1975

031258 49 C43
Programs for the management of egg laying chickens by computer [Production planning]. (Jpn) Tahara, S *Anim Husb* 29 (7): 964-968. July 1975

031259 49 C43
Registration and operation of dairy farms. 8. (Jpn) Ukai, N *Anim Husb* 29 (7): 1017-1020. July 1975

031260 A284.9 ST1
Farmer committee administration of agricultural programs. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf Bl (Agric Stab Conserv Serv)* 6, 3 P. Dec 1975

031261 S11.B43
Programming developments in the cultural combination of bulb flowers/flower bulbs in the Southern Bulb Region. (Dut) Vroomen, C O N de *Bedrijfsontwikkeling* 6 (7/8): 645-651. July/Aug 1975

031262 S11.B43
Some thoughts on "better" agricultural industry [Management]. (Dut) Hoogerkamp, D *Bedrijfsontwikkeling* 6 (6): 503-504. June 1975

031263 18 G31A
The influence of semiautomatic milking plants on the sequence of operations [Livestock management]. (Ger) Schlunsen, D *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 146-155. Ref. Eng. Sum. 1975

031264 18 G31A
The unicar system as a new technical method for the obtaining of basic data for dairy farming. (Ger) Rosegger, S; Schlunsen, D *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 451-464. Ref. Eng. Sum. 1975

031265 65.8 B73
Minas Gerais has a model cooperative of sugarcane planters. (Por) Pelico Filho, S; Medeiros, S *Bras Acucar* 86 (4): 33-40. Oct 1975

031266 64.8 IM7
Requirements for economic analysis [Farm management]. Pearse, R A *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 169-191. Ref. 1975

031267 22.5 M6932B
Studies on the development of dual functions in agricultural cooperatives. 1. The theory of general and special functions. (Jpn) Ueda, R *Bull Fac Agric Univ Miyazaki* 22 (1): 53-63. Ref. Eng. Sum. Oct 1975

031268 281.9 B832
Regional significance of employment in agriculture. (Fre) Tambuyzer, C *Cah I E A (Inst Econ Agric Brux)* 174, 20 P. Dec 1974

031269 389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Applications for membership in the organization [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/39, 10 P. Oct 1975

031270 389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Relations and consultations with international organizations. Review of the recommendations of the Special Session of the UN [United Nations] General Assembly devoted to development and international economic cooperation. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/31, 8 P. Oct 1975

031271 389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Appointment of Independent Chairman of the Council [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/46, 6 P. Sept 1975

031272 389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Relations with international organizations (excluding United Nations and Specialized Agencies) [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/34, 7 P. Sept 1975

031273 389.9 F735RC
Report of the Council of FAO; sixty-seventh session, Rome, 3-7 November 1975 [Management of world agriculture]. Food and Agriculture Organization of the United Nations Council *Counc Food Agric Organ U N CL* 67/REP, 85 P. 1975

031274 389.9 F735RC
Report of the Council of FAO; sixty-eighth session, Rome, 27-28 November 1975 [Management of world agriculture]. Food and Agriculture Organization of the United Nations Council *Counc Food Agric Organ U N CL* 68/REP, 30 P. 1975

031275 100 L935
Wintergrazing beef cattle on Louisiana farms [Labor, management]. Schupp, A R; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 490, 26 P. June 1975

031276 H1.D4
Peasant co-operation, consciousness and solidarity. Galjart, B *Dev Change* 6 (4): 75-83. Ref. Oct 1975

031277 HC337.U5A1
Infrafactory cost accounting system for repair enterprises of "Sel'khoztekhnika" [Farm machinery]. (Rus) Timchenko, V; Sizonenko, V *Ekon Sov Ukr* 6: 26-34. Jun 1975

031278 HC337.U5A1
On increasing the effectiveness of utilization of machines and equipment in agriculture. (Rus) Bil'skii, V; Denisenko, P *Ekon Sov Ukr* 6: 70-73. Jun 1975

031279 HD9259.C5F5
Socioeconomic dimensions of Florida citrus harvesting labor. Fairchild, G F *ERD Rep Fla Dep Citrus Econ Res Dep* 75-2, 89 P. Ref. Dec 1975

031280 HD1401.E92
A computer-based method of examining students in farm management. Csehi, M; Szekely, C *Eur Rev Agric Econ* 2 (1): 23-32. 1974/1975

031281 22 F223
Economic analysis of paddy enterprise in district Raipur [Production function analysis]. Raju, V T *Farm J (Calcutta)* 16 (6): 9-13. Apr 1975

031282 S19.F37
A new production technology for dry lands. Kaushik, S N *Farmer Parliament* 10 (6): 13-14, 22. June 1975

031283 A281.9 F76FO
Bulgaria seeks Western know-how to spur farming [Management]. Lambert, M J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 10-12. Feb 9, 1976

031284 80 G1948
Economic results of the development of the member enterprises of the "Halle-Saale-Obst" cooperation association [Fruit production]. (Ger) Wunsche, J; Langheinrich, K; Vogt, A; Muhl, M *Gartenbau* 22 (8): 245-247. Aug 1975

031285 80 G1948
Experience regarding the organization of joint vegetable production in the "Lobitzgemuse" cooperative institution, Micheln. (Ger) Frotscher, D; Busler, W *Gartenbau* 22 (9): 266-267. Sept 1975

031286 80 G1948
Experience regarding the organization of pome fruit harvest in large-scale horticulture. (Ger) Griesbach, K *Gartenbau* 22 (9): 268-269. Sept 1975

031287 80 G1948
Experience regarding the transition to industrial late cabbage production in the "Am Meer des Friedens" cooperative farm, Elmenhorst. (Ger) Pinkau, H; Harnack, H; Baresel, F; Jagusch, E *Gartenbau* 22 (10): 301-302. Oct 1975

031288 80 G1948
Gradual concentration and specialization of cooperative farms, state farms and their interfarm cooperative institutions, a basic requirement of socialist intensification. (Ger) Zacharias, H *Gartenbau* 22 (8): 229-230. Aug 1975

031289 80 G1948
Preliminary experience in the concentration and specialization of vegetable production and the development of self-contained areas of vegetable growing. (Ger) Riedel, H; Engel, E *Gartenbau* 22 (8): 225-228. Aug 1975

031290 80 G1948
Process, organization problems in fruit culture. (Ger) Baba, S *Gartenbau* 22 (8): 239-242. Aug 1975

031291 80 G1938
Norwegian flower production is worth 284 million kroner. (Nor) Brenna, H K *Gartneryket* 65 (33): 510-512. Aug 15, 1975

031292 80 G1938
The economic value of vegetable cultivation [Management]. (Nor) Hellem, F *Gartneryket* 65 (38): 624-626. Sept 19, 1975

031293 80 G1938
The economic value of vegetable cultivation. (Nor) Hellem, F *Gartneryket* 65 (33): 519-520. Aug 15, 1975

031294 80 G1938
The economic value of the nursery industry. (Nor) Westrum, K *Gartneryket* 65 (33): 536, 538. Aug 15, 1975

031295 80 G1938
5000 years production of vegetables, flowers, and plants for house and garden for a value of 550 million kroner. (Nor) Brenna, H K *Gartneryket* 65 (33): 510. Aug 15, 1975

031296 80 G1938
5000 years work; producing vegetables, flowers, and plants for house and garden for a value of 550 million kroner [Agricultural administration]. (Nor) Brenna, H K *Gartneryket* 65 (38): 626. Sept 19, 1975

031297 281.8 G25
Certain experiences concerning the farm management analysis of cattle-breeding on the Papa State Farm [Hungary]. (Hun) Osepregi, I *Gazdalkodas* 19 (10): 49-53. Eng. Sum. 1975

031298 281.8 G25
The operative statutes and regulations of the co-operative farms. (Hun) Horvath, J *Gazdalkodas* 19 (10): 11-24. 1975

031299 290.8 G362
Team contracting in [land] reclamation construction in Belorussia. (Rus) Gerashchenko, A N *Gidrotekh Melior* 6: 12-14. June 1975

031300 S19.G74
New vistas in agricultural farming [India]. Singh, K N *Green Revolution* P. 113-116. 1974

031301 26 H27
Food production and the energy crisis. (Heb) *Hassadeh* 56 (2): 276-278. Nov 1975

031302 SB52.G43F6
Advances in the field of farm control and wine research. (Ger) Jakob, L *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 168-174. Ref. 1974

031303 SB52.G43F6
Farm management analysis and research activities. (Ger) Adams, K *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 101-113. Ref. 1974

031304 QH541.5.L3S7
Agricultural implications of the Ord River Dam. Millington, A J *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 113-135. Map. Ref. 1975

031305 HN389.D75
Agricultural trade unionism in Oxfordshire. Horn, P *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 85-129. Map. Ref. 1974

031306 HN389.D75
Hiring fairs and arm servants' combinations in Scotland. *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 130-154. Ref. 1974

031307 HN389.D75
The rise and fall of agricltural trades unionism in England. *In Rural Discontent in Nineteenth-Century J. P. D., Dunbabin, ed.* P. 62-84. Ref. 1974

031308 22 IN283
A leading role [of women] in agriculture and animal husbandry. Bhatt, K P *Indian Farming* 25 (8): 39-40. Nov 1975

031309 22 IN283
In Rajasthan tribal women play significant role [Agriculture]. Bhatnagar, S R *Indian Farming* 25 (8): 51-52. Nov 1975

031310 22 IN283
Landless agricultural women workers. Chatterjee, A *Indian Farming* 25 (8): 31-33. Nov 1975

031311 22 IN283
Role of women in modern agriculture. Devadas, R P *Indian Farming* 25 (8): 15-17. Nov 1975

031312 22 IN283
Training farm women for effective decisionmaking. Chakravorty, S *Indian Farming* 25 (8): 53-54, 56. Nov 1975

031313 22 IN283
Women in agriculture. Mazumdar, V *Indian Farming* 25 (8): 5-7, 9, 64-65. Nov 1975

031314 22 IN283
Women plantation workers. Sharma, K *Indian Farming* 25 (8): 66-68. Nov 1975

031315 20 M57AG
Changing of plantation structure by enlarging plantation areas. (Ger) Gajewski, J *Int Z Landwirtsch* 5: 503-510. 1975

031316 20 M57AG
Content and construction of a "plant production test result" data storage in the German Democratic Republic. (Ger) Batz, G; Franko, J *Int Z Landwirtsch* 5: 538-541. 1975

031317 20 M57AG
Experience in the conversion of agricultural production to industrial production methods. (Ger) Nikonow, A *Int Z Landwirtsch* 6: 610-615. 1975

031318 20 M57AG
Experiences of cooperative work in developing specialized plant and animal production farms in the German Democratic Republic. (Ger) Zacharias, H *Int Z Landwirtsch* 5: 497-500. 1975

031319 20 M57AG
Improvement of the economic mechanism in Bulgarian agriculture. (Ger) Grosev, I; Dimitrov, K *Int Z Landwirtsch* 5: 488-492. 1975

031320 20 M57AG
Methodological questions of socialist prognosis of the agrarian complex [Farm management]. (Ger) Jenicek, V *Int Z Landwirtsch* 6: 615-618. 1975

031321 20 M57AG
Mutual achievement by work and introduction of mathematical methods in the management system of agricultural production. (Ger) Hirs, J *Int Z Landwirtsch* 5: 500-503. 1975

031322 20 M57AG
New [agricultural and industrial] organization forms of production. (Ger) Litwin, W *Int Z Landwirtsch* 5: 493-496. 1975

031323 20 M57AG
Use of balancing of the overall economic processes in state planning for the agriculture of the German Democratic Republic. (Ger) Lange, H J *Int Z Landwirtsch* 6: 607-610. 1975

031324 20 M57AG
Use of stochastic optimization for optimal planning of agricultural production. (Ger) Nikolov, N; Bytschwarowa, Z *Int Z Landwirtsch* 5: 510-515. 1975

031325 HD2087.J6
An analysis of farm record keeping data in Nueva Ecija. Alcachupas, R C; Olalo, C C; Omana, A P *J Agric Econ Dev* 5 (2): 125-138. July 1975

031326 HD1521.J6
The 'private plot' in Soviet agriculture. Hill, I H *J Peasant Stud* 2 (4): 492-496. Ref. July 1975

031327 HD1491.G3K6
Health, labor and fire protection as a task of [farm] management. (Ger) Wenk, G *Kooperation* 9 (10): 472-473. Oct 1975

031328 HD1491.G3K6
High-quality milk and meat from all producers [Competition, farm management]. (Ger) Behrens, G; Herckt, J; Sommer, J *Kooperation* 9 (11): 489-491. Nov 1975

031329 HD1491.G3K6
How many managers and administrators does a cooperative plant production section need? [East Germany]. (Ger) Loffler, J; Urban, R *Kooperation* 9 (12): 542-546. Dec 1975

031330 HD1491.G3K6
How we organize specialized [equipment] maintenance [East Germany]. (Ger) Schliebner, H *Kooperation* 9 (12): 557-560. Dec 1975

031331 HD1491.G3K6
Investigative results of efficiency criteria in livestock production [Management]. (Ger) Angermann, H; Rossler, E *Kooperation* 9 (10): 466-468. Oct 1975

031332 HD1491.G3K6
Joint measures for improved supply [of potatoes, cooperative organization, East Germany]. (Ger) Kreibich, W; Koppen, D; Behrendt, H; Kruger, O *Kooperation* 9 (12): 547-550. Dec 1975

031333 HD1491.G3K6
Joint responsibility for a high level of crop farming and animal husbandry [Cooperatives, East Germany]. (Ger) Wille, G *Kooperation* 9 (10): 433-435. Oct 1975

031334 HD1491.G3K6
More effective management makes scientific findings rapidly productive. (Ger) Cesarz, W *Kooperation* 9 (12): 529-531. Dec 1975

031335 HD1491.G3K6
Necessity for maintenance to correspond to industrial production [Eggs, management]. (Ger) Elschner, A *Kooperation* 9 (11): 516-517. Nov 1975

031336 HD1491.G3K6
Organization of the comparison of economic performance according to uniform standards [Livestock management, East Germany]. (Ger) Rathke, M; Knaut, W *Kooperation* 9 (12): 564-565. Dec 1975

031337 HD1491.G3K6
Performance and pay, two factors to be watched by farm managers [East Germany]. (Ger) Richter, I; Weisser, K *Kooperation* 9 (10): 439-442. Oct 1975

031338 HD1491.G3K6
Planning and balancing feed supplies by using the German Democratic Republic feed evaluation system as a component of farm planning from 1976 on. (Ger) Chudy, A; Schumann, S *Kooperation* 9 (10): 436-438. Oct 1975

031339 HD1491.G3K6
Prerequisites and principles for the gradual adjustment of farm regulations [Collectives, East Germany]. (Ger) Siegert, E *Kooperation* 9 (12): 555-557. Dec 1975

031340 HD1491.G3K6
Responsibility and tasks of the economist in the Grossengottern Cooperative Plant Production Section [East Germany]. (Ger) Cotte, G; Wassmund, G; Broda, R *Kooperation* 9 (10): 443-445. Oct 1975

031341 HD1491.G3K6
Socialist competition as a comprehensive instrument of [farm] management. (Ger) Malpricht, P; Schubert, H *Kooperation* 9 (11): 485-488. Nov 1975

031342 HD1491.G3K6
Suggestions on the development of forms of [labor] compensation according to performance. (Ger) Reule, E *Kooperation* 9 (11): 510-512. Nov 1975

031343 HD1491.G3K6
Trade contracts as indispensable instruments of management in the planned cooperation of cooperative associations. (Ger) Wilke, K *Kooperation* 9 (11): 506-510. Nov 1975

031344 SB193.A1L8
Improving the structure of feed production [Farm management]. (Rus) Romanov, N; Shitikov, D *Korma* 2: 17-18. Mar/Apr 1975

031345 SB193.A1L8
Intensification of meadow and pasture management in Leningrad Region [Farm management]. (Rus) Sediakov, V *Korma* 3: 22-23. May/June 1975

031346 18 L2353
On the disequilibrium of factor alocation in West German agriculture. (Ger) Bremen, L von *Landbauforsch Volkenrode* 25 (1): 32-41. Eng. Sum. 1975

031347 18 L2353
Proceedings in developing technics in respect of increasing labour and energy costs in farm production. (Ger) Rosegger, S; Sorgel, F P; Steinkampf, H *Landbauforsch Volkenrode* 25 (1): 1-10. Ref. 1975

031348 11 L2322
Production system and production design for dairy cattle [Management]. (Dan) *Landbo Nyt* 29 (10): 567-570. Oct 1975

031349 11 L2322
Steady modernization [Farm management]. (Dan) Andersen, H V *Landbo Nyt* 29 (7): 391-392, 394-396. July 1975

031350 11 L2322
The feed budget and production management. (Dan) Fogtmann, H P *Landbo Nyt* 29 (11): 598-600, 602. Nov 1975

031351 105.2 OR3
Regulating the potential of glasshouse culture [Common Market]. (Dut) Kruyk, P A *Landbouwkd Tijdschr* 87 (2): 31. Feb 1975

031352 58.8 L2352
Choice of machines in relation to management of sugarbeet harvest. (Dut) Tanis, T *Landbouwmechanisatie* 26 (10): 1149-1153. Eng. Sum. Oct 1975

031353 58.8 L2352
The sugarbeet cooperative Kats [Harvesting]. (Dut) Miedema, T T *Landbouwmechanisatie* 26 (10): 1115-1120. Eng. Sum. Oct 1975

031354 11 L236
Collective forage cultivation—an alternative to expansion of farming. (Nor) Heie, K *Landbrukstidende* 81 (47): 1000-1002. Nov 22, 1975

031355 73.8 L542
Improvement of labor organization and wages in mechanized teams [in fiber flax growing farms]. (Rus) Diuev, I F; Diueva, L V *Len Konopliia* 3: 24-25. Mar 1975

031356 HD9275.D44D3
Common Market's budget under debate. Expenditures for the dairy sector in the limelight? (Dan) *Mejeribrugets Uge-Nyt* 38: 321. Sept 29, 1975

031357 107.6 EH33
Managerial economic research on interregional competition in agricultural industry. (Jpn) Horita, T *Mem Coll Agric Ehime Univ* 20: 1-153. Maps. Ref. Eng. Sum. Oct 1975

031358 18 N39
Self help with help of the producer cooperative [Cereal production]. (Ger) *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1252, 1254. Dec 4, 1975

031359 100 N813B
Farm leasing in North Dakota. Staroba, A R; Johnson, J E; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 11-18. Maps. Sept/Oct 1975

031360 S17.N4
An organization for professional agriculturalists in UnitedKingdom. Thomson, D J *N Z Agric Sci* 9 (2): 69-71. May 1975

031361 331.8 N48
An analysis of the determinants of farm enlargement in Northland, New Zealand. Smit, B *N Z Geogr* 31 (2): 160-177. Map. Ref. Oct 1975

031362 12 N3892
Substitution of labour and energy in agriculture and options for growth. Wit, C T de *Neth J Agric Sci* 23 (2): 145-162. Ref. 1975

031363 281.8 N75
Denmark after two and one-half years in the Common Market. (Dan) Christiansen, A *Nord Lantbruksekon* 25 (3): 3-5. 1975

031364 281.8 N75
Is there a danger in [agricultural] cooperation? (Dan) Hakansson, H *Nord Lantbruksekon* 25 (3): 6-8. 1975

424.8 P295
Apiary complexes and interfarm relations. (Rus) Kolpakov, I *Pchelovodstvo* 9: 1-3. Sept 1975

SF481.P64
How to economise on feed. Reddy, V R; Vaidya, S V *Poult Guide* 12 (10): 21-29. Ref. Oct 1975

031365 43.9 N212
The manager's viewpoint [Cattle industry]. Krumm, C J *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 117-131. 1975

031366 21 R862
Applying of the modern calculation technics in the agricultural crop production. (Rum) Tucarman, I *Prod Veg Cereale Plante Teh* 27 (5): 43-45. 1975

031367 21 R862
Aspects of the help rendered by the agricultural experiment station Louvrin to the state and cooperative production enterprises. (Rum) Vlaicu, E *Prod Veg Cereale Plante Teh* 26 (8): 23-28. Aug 1974

031368 21 R862
Production and economical results in the activity of the [agricultural] cooperative Pantelimon, district Contanta. (Rum) Palan, S *Prod Veg Cereale Plante Teh* 26 (9): 3-7. Sept 1974

031369 21 R862
Specialization and concentration of the crop production at the intercooperative councils. (Rum) Timatiu, G *Prod Veg Cereale Plante Teh* 27 (2): 3-6. 1975

031370 14 P94
Renovate, with or without incitement subsidy [Grape culture]. (Fre) Gouvernet, R *Prog Agric Vitic* 92 (23): 730-735. Nov 15, 1975

031371 22.5 N687
Industrial orientation of agriculture and agribusiness: an analysis of regional input-output tables. I. (Jpn) Sasaki, K *Q J Agric Econ* 29 (4): 123-144. Oct 1975

031372 281.9 AU73
Some agronomic aspects of factors underlying production in the New South Wales grazing industry [Livestock management]. Easter, C D *Q Rev Agric Econ* 28 (3): 177-199. Ref. July 1975

031373 9.4 R32
Farm cooperatives, the only solution for the problem of living costs. (Spa) Tello Aragon, M *Rev Nac Agric* 68 (813): 28-29. Mar 1975

031374 80 SA15
Economic analysis in organizations of Moldvinprom [Moldavian Winemaking Industry]. (Rus) Petrenko, I A; Rukhvarger, L I *Sadovod Vinograd Vinodel Mold* 8: 46-49. Aug 1975

031375 80 SA15
Means of increasing the efficiency of horticulture and viticulture. (Rus) Makarenko, P P *Sadovod Vinograd Vinodel Mold* 7: 1-4. July 1975

031376 80 SA15
On the problem of selecting an efficient system of grape culture. (Rus) Rybin, V F; Kolosovskii, Zh A *Sadovod Vinograd Vinodel Mold* 7: 25-28. July 1975

031377 9.6 SU7
Physical working capacity in a tropical country [Agricultural laborers]. Staudt, F J *Surinaam Landbouw* 23 (1): 19-25. Ref. 1975

031378 11 T43
Current notes on future problems for Danish agriculture [Administration]. (Dan) Krogstrup, E *Tidsskr Landokon* 162 (4): 307-317. 1975

49 T443
Analysis of feed economy at the Wildberg industrial swine fattening plant, in the Neuruppin district [Nutritive value, livestock managment]. (Ger) Lehmann, M; Nehl, S; Rosentrager, W *Tierzucht* 29 (11): 512-515. Nov 1975

031379 49 T443
Intensification, concentration and specialization on the Oberbohmsdorf livestock production cooperative farm [Management, East Germany]. (Ger) Goll, H; Heller, K; Egerer, K *Tierzucht* 29 (11): 499-501. Nov 1975

031380 49 T443
Proposals for the organization of forage supply on livestock cooperative farms with several lines of production [East Germany]. (Ger) Bruckner, H; Schleitzer, G; Spitzer, A *Tierzucht* 29 (11): 495-498. Nov 1975

49 T443
Spome economic aspects of assuring udder health in industrially producing dairies. (Ger) Hagelschuer, P; Adam, W; Hubner, R; Griepentrog, K; Jahnig, K P *Tierzucht* 29 (11): 506-509. Nov 1975

031381 49 T443
Use of electron computers to plan livestock inventories, production, costs and proceeds in industrial swine production facilities. (Ger) Schmidt, H J; Gerlach, G; Hilpert, H; Marquardt, B; Herzberg, F *Tierzucht* 29 (10): 473-475. Oct 1975

031382 SB111.A2T72
Ancient technics for modern agriculture in arid zones. (Ger) Evenari, M; Nessler, U; Rogel, A; Schenk, O *Tropenlandwirt* 76: 11-21. Eng. Sum. Oct 1975

031383 80 T817
Saving energy [Horticulture]. (Dut) Robberecht, J *Tuinbouwberichten* 39 (9): 358-360. (Continued) Sept 1975

031384 80 T817
Saving fuel. 8. [Horticulture]. (Dut) Robberechts, J *Tuinbouwberichten* 39 (6): 256-257. June 1975

031385 41.8 V6439
Contemporary aspects of large-scale poultry farming in Czechosovakia. (Cze) Oplt, J *Veterinarstvi* 25 (6): 248-249. 1975

031386 41.8 V6439
On the problem of [labor] accidents in the livestock industry. (Cze) Smejkal, A *Veterinarstvi* 25 (11): 521-522. 1975

031387 95.8 V77
The experience of working of the Kotovskii agricultural-industrial association [for grape and wine production]. (Rus) Dubrivin, V F *Vinodel Vinograd SSSR* 6: 52-53. 1975

031388 20 V82
Analysis of information flow at the republic level in the administration of state farm production of Ukraine. (Ukr) Skyrta, B K; Net'osov, M O *Visn Sil's'kohospod Nauki* 10: 1-7. Oct 1975

031389 20 V82
Classification and choice of mechanized brigades for determination of demand for special equipment and machines. (Ukr) Verkhusha, V M *Visn Sil's'kohospod Nauki* 10: 8-13. Oct 1975

031390 20 V82
Efficiency of sugarbeet production under conditions of intensified specialization. (Ukr) Dusanovs'kyi, S L *Visn Sil's'kohospod Nauki* 11: 105-106. Nov 1975

031391 20 V82
Programming the yield of farm crops. (Ukr) Polozhai, V *Visn Sil's'kohospod Nauki* 10: 107-110. Ref. Oct 1975

031392 20 V82
System of centralized control of the state of technological equipment on livestock farms and complexes. (Ukr) Korchemnyi, M O; Kisten', H IE; Homeniuk, P IA *Visn Sil's'kohospod Nauki* 10: 14-17. Oct 1975

031393 20 V82
The scientific organization of labor as an important factor in the effective utilization of rural manpower. (Ukr) IAkuba, K I *Visn Sil's'kohospod Nauki* 11: 5-8. Nov 1975

031394 1 AG84Y
Cooperatives and the stations, partners in progress. Schneider, V E; Stanton, B; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 299-310. 1975

031395 281.8 Z32
Large mechanized farming in the Sudan. Mann, W S *Z Ausl Landwirtsch* 14 (3): 238-248. Map. Ref. July/Sept 1975

031396 SB183.Z4
Advanced harvesting-transportation complexes [for removing grain from the fields]. (Rus) Moiseichenko, N G; Ponomarenko, V P *Zern Maslichn Kul't* 8: 11-12. Aug 1975

031397 SB183.Z4
Flow line management of labor in the postharvest processing of grain [on collective farms]. (Rus) Kurichenko, O V *Zern Maslichn Kul't* 9: 16-18. Sept 1975

031398 SB183.Z4
Planning and keeping records of transportation operations with grain. (Rus) Alekseev, B F *Zern Maslichn Kul't* 7: 44-47. July 1975

031399 SB183.Z4
The integrated utilization of technical means for the transportation of the sunflower [seed] harvest. (Rus) Kovalev, V G *Zern Maslichn Kul't* 8: 42-43. Aug 1975

031400 SB183.Z4
The management of the transportation of harvested crops. (Rus) Kormakov, L F *Zern Maslichn Kul't* 8: 26-28. Aug 1975

031401 11 T58
Closed-circuit television for agriculture. (Dan) Langmach, I *12Mandsbladet* 47 (8): 381-382. Aug 1975

11 T58
Drainage economics [Maize, beets, grass]. (Dan) Stryg, P E *12Mandsbladet* 47 (9): 409-415. Sept 1975

AGRICULTURAL PRODUCTION COSTS AND RETURNS

031402 281.9 C59
South Carolina cash receipts from farm marketings, 1973 revised and 1974 preliminary. Foster, R M comp; Addison, R L comp; South Carolina Agricultural Experiment Station *AE Dep Agric Econ Rural Sociol Clemson Univ* 385, 22 P. Maps. Sept 1975

031403 280.8 AG82
European agreement on social security for farmers. (Ger) Schuberth, R *Agrar Rundsch* 7/8: 31-33. Dec 1975

031404 280.8 AG82
Unsatisfactory taxation of help by neighboring farmers [Austria]. (Ger) Ruth, P *Agrar Rundsch* 7/8: 30-31. Dec 1975

031405 280.8 AG82
Varied development of income in agriculture and forestry [Austria]. (Ger) Poschacher, G *Agrar Rundsch* 7/8: 9-11. Dec 1975

031406 58.8 D482
Evaluation of operating expenses for the preventive maintenance of plant production machinery. (Ger) Klamka, S *Agrartechnik* 25 (9): 451-452. Sept 1975

031407 58.8 D482
Proposals aimed at determining more exactly the cost of plant production machinery. (Ger) Klamka, S *Agrartechnik* 25 (9): 449-451. Sept 1975

031408 281.8 AG826
Changes in farm structure and individual farm investment aids. (Ger) Jochimsen, H *Agrarwirtschaft* 24 (11): 312-322. Ref. Eng. Sum. Nov 1975

031409 281.8 AG826
Comments on cost benefit analyses of subsidies for dairy plants. (Ger) Meyer zu Drewer, H; Pollehn, J *Agrarwirtschaft* 24 (9): 233-239. Ref. Eng. Sum. Sept 1975

031410 281.8 AG826
Experiences of the [West German] Federal Department of Agriculture with cost-benefit analyses. (Ger) Guth, E; Meyer zu Drewer, H *Agrarwirtschaft* 24 (10): 265-273. Ref. Eng. Sum. Oct 1975

031411 281.8 AG826
Inflation and fictitious profits [Agribusiness]. (Ger) Kohne, M *Agrarwirtschaft* 24 (11): 293-304. Ref. Eng. Sum. Nov 1975

031412 281.8 AG826
Interregional differences of agricultural income in the Federal Republic of Germany. (Ger) Peters, W *Agrarwirtschaft* 24 (7): 181-189. Map. Eng. Sum. July 1975

031413 S3.A32
Appraisal of credit worthiness of emergent-commercial farmers in developing agriculture. Bessell, J E *Agric Adm* 2 (4): 249-262. Oct 1975

031414 1 EC7AGR
Cost of unemployment insurance for farmworkers in selected states. Elterich, J; Bieker, R; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 85-92. Ref. July/Oct 1975

031415 1 EC7AGR
Optimum plant size and location: a case for separable programming [Cost anaysis, spatial markets in agricultural economics]. Baritelle, J L; Holland, D W; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 73-84. Ref. July-/Oct 1975

031416 256.13 AG82M
Commercial egg production costs and returns. Bingham, M E; Dickson, E J M *Agric North Irel* 50 (8): 229-232. Dec 1975

031417 256.13 AG82M
The use of capital for two dairying systems; farm management section. *Agric North Irel* 50 (7): 185-188. Nov 1975

031418 256.13 AG82M
The use of capital in dairying. *Agric North Irel* 50 (8): 210-214. Dec 1975

031419 24 EG94
Estimating the average cost of egg production in Egyptian poultry farms. Mahmoud, T H; Madkour, Y H; Abdel-Salam, N *Agric Res Rev* 52 (7): 155-163. Ref. July 1974 (Pub. 1975)

031420 16 AG8226
Chiana cattle do well on marginal lands [Capital, costs]. (Ita) Frilli, A *Agricoltura* 24 (9): 27-39. Sept 1975

031421 16 AG8226
Credit, the key of rural development. (Ita) Dell'Amore, G *Agricoltura* 24 (9): 13-19. Sept 1975

031422 16 AG8226
The herds have returned to the hills [Sheep, capital, costs, returns]. (Ita) Frilli, A; Serchi, G *Agricoltura* 24 (2): 35-51. Feb 1975

15 AG84
Use of the "direct sowing" method for planting a grove of almond trees [Prunus amygdalus, costs]. (Spa) Ramos Carmona, B *Agricultura (Madr)* 44 (521): 675-678. Sept 1975

031423 14 AG823
Prospects for financing agricultural enterprise. (Fre) Pradier, J *Agriculture (Paris)* 391: 300-303. Nov 1975

031424 9 SO1
Reconsideration of the tax on potential [farm] income. (Spa) Instituto de Estudios Economicos de la Sociedad Rural Arg; Entina *An Soc Rural Argent* 109 (5): 8-12. May 1975

031425 49 C43
Managerial analysis on the profitability of dairy farming in Tokyo: a case study. (Jpn) Ishii, T *Anim Husb* 29 (7): 979-982. July 1975

031426 500 N484
Food, feed, and energy [Costs]. Borgstrom, G *Ann N Y Acad Sci* 261: 150-158. 1975

031427 105.4 P435
Repair of automatic farm equipment [Costs]. (Ita) Scotton, M; Bolli, P *Ann Perugia Univ Fac Agrar* 29: 9-20. Eng. Sum. 1974

031428 100 AR42F
Resource models for production of apples, blackberries, and table grapes in northwest Arkansas [Costs]. Baldwin, J F; Price, C; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 3. Sept/Oct 1975

031429 S11.B43
The financial position of beginning attempts in glasshouse horticulture. (Dut) Boers, A *Bedrijfsontwikkeling* 6 (7/8): 670-676. July-/Aug 1975

031430 18 G31
Part-time farming. The results of investigations into selected aspects of particular significance [Income]. (Ger) Werschnitzky, U *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 215-253. Ref. Eng. Sum. Oct 1975

031431 18 G31
Task and financial planning in the Federal Ministry of Agriculture. Concept and practical experience. (Ger) Scholz, H *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 165-182. Ref. Eng. Sum. Oct 1975

031432 18 G31
The financing of co-operative credit associations in the developing countries. (Ger) Stockhausen, J von *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 318-327. Ref. Eng. Sum. Oct 1975

031433 18 G31
The possibilities of improving the liquidity level in agricultural firms with special references to the alteration of the timing of orders and sales. (Ger) Gabr, M; Lickfers, W *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 199-214. Eng. Sum. Oct 1975

18 G31A
A comparative analyse of the labour requirements and the costs involved in various dairying procedures. (Ger) Olfe, H C; Walter, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 419-450. Ref. Eng. Sum. 1975

18 G31A
Preliminary remark to the problem area II: Feeding, milk yield and economical aspects of dairy cattle husbandry. (Ger) Meinhold, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 243-244. 1975

031434 65.8 B73
Government policy of investment in the sugar sector. (Por) Fonseca, A C da *Bras Acucar* 86 (4): 41-51. Oct 1975

100 F66S (1)
Supplemental feeding of steers on everglades pasture. Effect on pasture and feedlot performance and economics of production [Income]. Pate, F M; Hayes, B W; Beardsley, D W; Greene, R E L; Palmer, A Z; Carpenter, J W; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 775, 17 P. May 1975

031435 TS2120.B8
Post harvest losses in food grains. Krishnamurthy, K *Bull Grain Technol* 13 (1): 33-49. Ref. Apr 1975

100 SO82 (1)
South Dakota low income families and migration [Rural sociology]. Montoya, M; Wagner, R T; Dimit, R M; South Dakota Agricultural Experiment Station *Bull S D State Univ Agric Exp Stn* 637, 25 P. Maps. Dec 1975

031436 7 R31
The farm credit corporation. (Fre) Neveu, L *Can Agric* 20 (4): 8-12. Fall 1975

031437 HD1401.C2
The economics of waste heat utilization for controlled environment [greenhouse] production of agricultural products [Costs]. Anderson, R W; Teeter, N J *Can Farm Econ* 10 (5): 11-18. Oct 1975

031438 80 C352
Taxation of returns from the land. (Ger) Wittich, J *Champignon* 171: 5-7. Nov 1975

389.9 F735CONC
Eighteenth session, Rome, 2-27 November 1975. World Food Programme: financial report and statements 1974, III. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/9, 28 P. Aug 1975

100 L935
Pricing water in Louisiana. Corty, F L; Ramgolam, R; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 487, 107 P. Map. Ref. June 1975

031439 100 L935
The effect of output changes on [rural] income, employment and output in Assumption Parish. Klindt, T H; Robertson, D R; Guedry, L J; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 486, 32 P. Map. Ref. June 1975

031440 100 L935
The property tax as a source of revenue to finance local public services in rural parishes of Louisiana. Corty, F L; Coulon, K J Jr; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 488, 52 P. Map. Ref. June 1975

031441 44.8 D1443
Butterfat production in the Heytesbury settlement [Costs, returns]. McBeath, N *Dairyfarm Dig* 22 (3): 14-16. Winter 1975

031442 H1.D4
Rural savings, wage remittance effects and real industrial wage determination. Irvin, G W *Dev Change* 6 (4): 85-93. Ref. Oct 1975

031443 58.8 T677
Bookkeeping carried out by the farmer. 3. [Farm management]. (Ger) Grill, H *DLZ (Die Landtech Z)* 26 (12): 838. Dec 1975

031444 HD1775.M5M5
1974 annual report of the Southwestern Minnesota Farm Management Association [Costs, returns]. Miller, B B; Otis, J B; Nodland, T R; Minnesota University Agricultural Extension Service; Minnesota University Dept. of Agricultural and Applied Economics; Minnesota Agricultural Experiment Station *Econ Rep ER Minn Univ Dep Agric Appl Econ* 75-3, 26 P. May 1975

031445 HD1775.M5M5
1974 annual report of the Southeastern Minnesota Farm Management Association [Costs, returns]. Otis, J B; Miller, B B; Nodland, T R; Minnesota University Agricultural Extension Service; Minnesota University Dept. of Agricultural and Applied Economics; Minnesota Agricultural Experiment Station *Econ Rep ER Minn Univ Dep Agric Appl Econ* 75-2, 25 P. May 1975

031446 HD1401.E9
Capital transfer tax: minimising the effects [Agricultural properties]. Mitchell, W *Euro-Farm Bus* 4 (4): 13-17. Dec 1975

031447 275.29 M66EX
Housing costs in the mid-seventies [Property taxes]. Angell, W J; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 315, 15 P. Ref. 1975

031448 S279.A3I5
Commercial banks financing agriculture. Gurumallappa, T M *Farm Front* 9 (4/5): 3-6. Apr/May 1975

031449 22 F223
Economic profitability of crop enterprises in a dry farming area of Madhya Pradesh. Marothia, D K; Sahu, S D *Farm J (Calcutta)* 16 (5): 20-24. Mar 1975

031450 A280.29 F22I
Using cooperative members' money. Kirkman, C J Jr; U.S. Farmer Cooperative Service *FCS Inf U S Dep Agric Farmer Coop Serv* 79, Rev., 15 P. Nov 1975

031451 43.8 F32
Processing affects feedlot profit potential [Costs]. Farlin, S *Feedlot Manage* 17 (11): 28, 30, 32. Nov 1975

031452 19 F75
Limits of profitability in swine rearing. (Ger) Klasz, W *Forderungsdienst* 23 (11, Suppl. 2): 1-6. Nov 1975

031453 A281.9 F76FO
Canada foresees 25 percent dip in farm income in 1976. Bray, C E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 8-9. Feb 2, 1976

031454 A281.9 F76FO
USSR facing possible import payment pinch [Credit]. Goldich, J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 12. Feb 2, 1976

031455 80 G1948
Investment preparation problems of industrial cabbage storage and dressing centers. (Ger) Rausche, K H; Bastian, P *Gartenbau* 22 (10): 299-300. Oct 1975

031456 80 G1948
The development of intensity in fruit growing [Costs]. (Ger) Muhl, M; Volkel, H *Gartenbau* 22 (8): 242-244. Aug 1975

031457 80 G1938
Economic growth of the greenhouse industry [Income]. (Nor) Repstad, K *Gartneryket* 65 (33): 532, 535-536. Aug 15, 1975

031458 80 G1938
Production of young [Chrysanthemum] plants in the greenhouse—economic calculations [Costs]. (Nor) Langvatn, H *Gartneryket* 65 (37): 593-596. Sept 12, 1975

031459 80 G1938
Growing Azaleas and economics [Costs]. (Nor) Repstad, K; Amdal, K *Gartneryket* 65 (35/36): 579. Sept 5, 1975

031460 281.8 G25
The economic problems of feedstuf management on large-scale farms. (Hun) Toth, M *Gazdalkodas* 19 (10): 1-10. Eng. Sum. 1975

031461 281.8 G25
The impact of concentration upon cost-, output- and income relations within the activities of sunflower production. (Hun) Belteky, B; Racz, L *Gazdalkodas* 19 (10): 37-48. 1975

031462 281.8 G25
The investment requirements of rain-plants in the irrigation systems at Kiskore. (Hun) Szathmary, A *Gazdalkodas* 19 (10): 25-36. 1975

031463 290.8 G362
About the calculation of the efficiency of capital investments in the constructions for the control of high waters and soil erosion. (Rus) Alekseev, N A *Gidrotekh Melior* 8: 89-95. Aug 1975

S19.G74
Pesticides and requirements of institutional finance [India]. Vevai, E J *Green Revolution* P. 72-74. 1974

031464 S19.G74
Role of commercial banks in financing agriculture. Datey, C D *Green Revolution* P. 107-112. 1974

031465 100 AL1H
A cost comparison of selected agricultural protein sources. Crawford, K W; Murphy, V L; McCoy, E W; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 11. Winter 1975

031466 44.8 H65
There can be big tax savings when you buy a farm. Whitney, E K *Hoards Dairym* 121 (1): 9, 35. Jan 10, 1976

031467 SB403.H6
Dwarf Brassaia [arboricola] stock block [Costs, returns]. Rauch, F D; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 4-5. Sept 1974

100 IL64
Relative costs of wall construction for underfloor manure-storage tanks [for a confinement swine unit]. Huhnke, R L; Curtis, J O; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 8-9. Fall 1975

031468 65.8 IN26
Finance and accounting for the sugar industry. Anand, S D P *Indian Sugar* 25 (5): 319-320, 323-324, 327-328. Aug 1975

031469 65.8 IN26
Unprecedented crisis facing the sugar industry in Bihar [Cost increase]. Dhanuka, O P *Indian Sugar* 25 (5): 313-314. Aug 1975

55.8 IR733
Remarks on the economic efficiency of irrigation water [Maize, cost, returns]. (Fre) Arrighi de Casanova, J *Irrigazione* 22 (3): 51-54. Eng. Sum. May/June 1975

031470 HD2087.J6
Economies of size in sugarcane farming [Returns]. Cabanilla, L S *J Agric Econ Dev* 5 (2): 113-124. July 1975

031471 HD2087.J6
Income and resource productivity of alternative rice farm cropping patterns in Bicol. Sardido, M L *J Agric Econ Dev* 5 (2): 87-112. Ref. July 1975

031472 HD1491.G3K6
Criteria for effectiveness in the production of cattle for slaughter [Costs, East Germany]. (Ger) Angermann, H *Kooperation* 9 (12): 566-568. Dec 1975

031473 HD1491.G3K6
Criteria of efficiency of swine production for slaughtering [Costs]. (Ger) Angermann, H; Flemig, B *Kooperation* 9 (11): 513-515. Nov 1975

031474 SB193.A1L8
Mowing of high yield grass stands [Costs]. (Rus) Khussar, V *Korma* 3: 38. May/June 1975

031475 18 L2353
1973 agricultural income accounts of European Economic Community member countries. (Ger) Manegold, D *Landbauforsch Volkenrode* 25 (1): 21-31. 1975

031476 11 L2322
Capital gains [Taxes]. (Dan) Andersen, H V *Landbo Nyt* 29 (11): 608-611. Nov 1975

031477 105.2 OR3
National economic importance of the cultivation of bulb flowers [Costs, returns]. (Dut) Slangen, L H G *Landbouwkd Tijdschr* 87 (1): 24-28. Ref. Jan 1975

031478 58.8 L2352
Choice of milking parlor based on the costs of organization. (Dut) Hop, J *Landbouwmechanisatie* 26 (9): 1029-1034. Eng. Sum. Sept 1975

031479 11 L236
Tax exempt feed concentrates during a critical period do not cost the government a coin [Costs, dairy cattle]. (Nor) Venger, A *Landbrukstidende* 81 (35): 747-748. Aug 30, 1975

031480 11 L236
Taxes. Depreciation in agriculture. (Nor) Galland, A *Landbrukstidende* 81 (45): 960-962. Nov 8, 1975

031481 11 L236
Taxes. The necessity for tax planning. (Nor) Galland, A *Landbrukstidende* 81 (41): 880-882. Oct 1975

031482 43.9 L932
Economic implications of producing beef calves with various pasture management systems [Costs, returns]. Carpenter, J C Jr; Harris, H E; Feazel, J I; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 152-173. 1976

031483 49 L758
Use your feed to make more money. 10 [Cattle, returns]. McCullough, M E *Livest Breed J* 18 (12): 18, 20. Dec 1975

031484 18 N39
Conversion and adaptation measures in secondary income farms. (Ger) Hogl, P *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1151-1152. Nov 6, 1975

031485 18 N39
Existence maintenance and the furthering of single farm growth arguments, for and against state [West Germany] investment promotion. (Ger) Neander, E *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1146, 1148. Nov 6, 1975

031486 18 N39
Investment furthering for main income farms capable of development. (Ger) Zierer, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1148-1150. Nov 6, 1975

031487 18 N39
Is it profitable to lease a farm? (Ger) Bewer, C *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1156, 1158. Nov 6, 1975

031488 18 N39
Measures to help main income farms which are not capable of development. (Ger) Mutzbauer, C *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1150. Nov 6, 1975

031489 18 N39
Single farm aid measures. (Ger) Klare, K *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (19): 1046-1049. Oct 2, 1975

031490 41.8 M742
Economic analysis of veterinary services for udder health in industrialised dairy farming units [Costs]. (Ger) Hagelscheuer, P; Hemm, H; Adam, W *Monatsh Veterinarmed* 30 (16): 601-606. Eng. Sum. Aug 15, 1975

031491 41.8 M742
Studies into real expenses for veterinary services in statecontrolled veterinary centres. (Ger) Eschenbach, E; Witt, W; Lippstreu, S *Monatsh Veterinarmed* 30 (18): 606-608. Eng. Sum. Aug 15, 1975

031492 S17.N4
The future structure of agricultural finance in New Zealand. Bayliss, L C; Bayley, J G *N Z Agric Sci* 9 (3): 105-115. Aug 1975

031493 281.9 B832N
Inflation and agriculture. (Fre) Heghe, G van *Notes I E A (Inst Econ Agric Brux)* 41, 46 P. Nov 1974

031494 281.9 B832N
Profitability of swine productions (development from May 1, 1969 to April 30, 1974). (Fre) Buyle, A *Notes I E A (Inst Econ Agric Brux)* 43, 21 P. July 1975

031495 281.9 B832N
Provisional results of agricultural accounts for the 1974-1975 accountable year. (Fre) Vertriest, W; Cloosterin, B; Pipart, C; Vis, J de *Notes I E A (Inst Econ Agric Brux)* 44, 27 P. July 1975

464.8 P566
The dollars and no sense of crop losses from weeds. Hamill, A S *Phytoprotection* 56 (3): 121-134. Ref. Oct 1975

031496 SF481.P64
Economics of egg production [costs]—a case study in Udaipur. Kumat, V S *Poult Guide* 12 (11): 58-65. Nov 1975

031497 SF481.P642
Ammonia increases broiler costs [Housing]. Fowler, J C *Poult Patrika* 4 (3): 95-96. Mar 1975

031498 6 T311
Will death taxes be the death of your farm? Johnson, B *Prog Farmer (Birmingham)* 90 (3): 26-27. Mar 1975

031499 281.9 L632
A practical guide to tax planning using procedures for [farm] imcome equalisation. Charlton, P J *Publ Agric Econ Res Unit Lincoln Coll* 70, 60 P. 1975

031500 281.9 N27
Estimated crop and livestock production costs, Nebraska; 1975. Bitney, L L; Henderson, P A; Retzlaff, R E J; Perry, R E; Miller, P E; Duey, D D; Nebraska Agricultural Experiment Station; Nebraska University College of Agriculture Dept. of Agricultural Economics *Rep Dep Agric Econ Univ Nebr Coll Agric Home Econ Agric Exp Stn* 63, 53 P. May 1975

031501 281.9 K61R
Profitability of farming in the north of England, 1973-1974: results for selected groups of farms. Robson, S *Rep Univ Newcastle Upon Tyne Dep Agric Econ* 178, 69 P. May 1975

031502 100 OK4M
A property tax model for Oklahoma. Drummond, H E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 730, 24 P. Map. Ref. Dec 1975

031503 44.8 F33
Credit assistence for dairy cattle raising [Brazil]. (Por) Vieira, S A *Rev Inst Laticin Candido Tostes* 30 (179): 23-24. May/June 1975

031504 80 SA15
Economic effectiveness of concentration of viticulture on collective farms [Costs, returns]. (Rus) Verzhanskii, V V; Ginkul, V P *Sadovod Vinograd Vinodel Mold* 7: 46-48. July 1975

031505 SB111.A2T72
Agricultural Development Bank of Afghanistan. (Ger) Neidhart, J *Tropenlandwirt* 76: 78-85. Eng. Sum. Oct 1975

031506 SB111.A2T72
Know-how-bank for the mountain regions [Agriculture, finance]. (Ger) Lampe, K J *Tropenlandwirt* 76: 7-10. Oct 1975

031507 80 T817
How to calculate cost price? [Horticulture]. (Dut) Labeeuw, N *Tuinbouwberichten* 39 (6): 247-248. June 1975

031508 80 T817
Inflation in our industry! [Costs, horticulture]. (Dut) Labeeuw, N *Tuinbouwberichten* 30 (9): 345-346. Sept 1975

031509 80 T817
There is always the cost price! [Horticultural crops]. (Dut) Labeeuw, N *Tuinbouwberichten* 39 (7/8): 303-304. July/Aug 1975

031510 SB183.Z4
Economic incentive in the production of mustard seeds. (Rus) Sotnikova, T V *Zern Maslichn Kul't* 7: 41-42. July 1975

031511 SB183.Z4
Stimulation of the quality [of grain of cereals, legumes and buckwheat, through state procurement prices]. (Rus) Teniaev, D M *Zern Maslichn Kul't* 9: 12-13. Sept 1975

031512 SB183.Z4
The improvement of the price system [in state procurement of grain]. (Rus) Stepanov, A I; Udalova, V V *Zern Maslichn Kul't* 9: 10-12. Sept 1975

031513 11 T58
Agricultural income situation [Common Market]. (Dan) Dyreborg-Carlsen, B *12Mandsbladet* 47 (10): 455-461. Oct 1975

031514 11 T58
Financial problems in agriculture. (Dan) Gunnergaard, T; Moltke, N *12Mandsbladet* 47 (10): 471-476. Oct 1975

031515 11 T58
Young bull production economics and optimal weight decrease under different conditions [Costs]. (Dan) Andersen, R; Ostergaard, V *12Mandsbladet* 47 (9): 427-431. Sept 1975

AGRICULTURAL PRODUCTION DISTRIBUTION

031516 281.9 IL62
Actual and potential use of the livestock futures market by Illinois producers. Leuthold, R M; Illinois Agricultural Experiment Station; Illinois University College of Agriculture Dept. of Agricultural Economics *AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign* 141, 29 P. Dec 1975

031517 280.8 AG82
Marketing problems with consumer eggs [Austria]. (Ger) Wimmer, H *Agrar Rundsch* 7/8: 41-42. Dec 1975

031518 280.8 AG82
The sugar market in the United States of America. (Ger) Loeffler, K *Agrar Rundsch* 7/8: 38-39. Dec 1975

031519 281.8 AG826
Agricultural prices. Basis, results and problems of comparing some price index numbers. (Ger) Manegold, D *Agrarwirtschaft* 24 (11): 305-312. Eng. Sum. Nov 1975

031520 281.8 AG826
Analysis and prediction of potato producer prices in the Federal Republic of Germany. (Ger) Uhlmann, F *Agrarwirtschaft* 24 (9): 248-255. Ref. Eng. Sum. Sept 1975

031521 281.8 AG826
Forecasting the cattle market. (Ger) Bockenhoff, E *Agrarwirtschaft* 24 (8): 220-224. Eng. Sum. Aug 1975

031522 281.8 AG826
Organization and functions of the Milk Marketing board in England and Wales. (Ger) Frassine, W *Agrarwirtschaft* 24 (8): 201-212. Ref. Eng. Sum. Aug 1975

031523 281.8 AG826
Pricing and price policy in horticulture. (Ger) Hormann, D M *Agrarwirtschaft* 24 (9): 239-248. Ref. Eng. Sum. Sept 1975

031524 281.8 AG826
Some statements about agricultural marketing of individual firms under behavioral aspects. (Ger) Warmbier, W *Agrarwirtschaft* 24 (10): 273-280. Ref. Eng. Sum. Oct 1975

031525 A281.9 AG8A
Butter and cheese: sales changes associated with three levels of promotion [Marketing]. Henderson, P L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 322, 33 P. Jan 1976

031526 1 EC7AGR
What do successive frequency distributions show? [Statistical methods]. Mighell, R L; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 101-104. July/Oct 1975

031527 256.13 AG82M
Quality in beef cattle—does it pay? [Price]. Wright, D; Milliken, J *Agric North Irel* 50 (8): 233-236. Dec 1975

031528 16 AG8226
Attainment of coordination without suppression of free initiative [Marketing, trade, Europe]. (Ita) De Fabritiis, C *Agricoltura* 24 (5): 23-26. May 1975

031529 16 AG8226
Distribution and future of the food sector [Prices, Marketing]. (Ita) D'Onofrio, D *Agricoltura* 24 (1): 58-62. Jan 1975

031530 16 AG8226
Experiences and problems of coordination between agriculture, the food industry and distribution [Dairy industry, Europe]. (Ita) Beraud, D *Agricoltura* 24 (1): 68-70. Jan 1975

031531 16 AG8226
Food supply is today, one of the vital problems of the Italian society [Agricultural products, consumption, distribution, statistics]. (Ita) Bagnulo, A *Agricoltura* 23 (7): 17-28. July 1974

031532 16 AG8226
In spite of transport rate increases, the train is convenient for the transportation of agricultural products. (Ita) Bordoni, F *Agricoltura* 23 (7): 69-72. July 1974

031533 16 AG8226
The emerging agricultural food system [Distribution, marketing]. (Ita) Galizzi, G *Agricoltura* 24 (1): 36-37, 39-52. Jan 1975

031534 15 AG84
Cattle markets. (Spa) Compaire Fernandez, C; Almansa Sahagun, V *Agricultura (Madr)* 44 (514): 113-120. Feb 1975

031535 15 AG84
Notes on the world market for wheat [Prices]. (Spa) Rodriguez Barrio, J E *Agricultura (Madr)* 44 (519): 521-523. July 1975

031536 15 AG84
Present situation of cereal production [Prices, statistics, wheat, maize]. (Spa) Medina del Cerro, L *Agricultura (Madr)* 44 (519): 517-519. July 1975

031537 15 AG84
Selling cattle: public auctions. (Spa) Olmedo, E *Agricultura (Madr)* 44 (517): 359-361. May 1975

031538 15 AG84
Structural aspects of the marketing of fruits. (Spa) *Agricultura (Madr)* 44 (521): 684-687. Sept 1975

031539 14 AG823
The beef market crisis. (Fre) Broders, M *Agriculture (Paris)* 391: 280-286. Nov 1975

031540 14 AG823
The beef market crisis. (Fre) Broders, M *Agriculture (Paris)* 392: 318-321. (Continued) Dec 1975

031541 14 AG823
Towards a better knowledge of the national and international potato market. (Fre) *Agriculture (Paris)* 392: 322-324. Map. Dec 1975

031542 424.8 AM3
The world honey market. *Am Bee J* 116 (1): 6-7. Jan 1975

031543 44.8 AM38
How effective is dairy [products] promotion and advertising? Cropp, R A; Graf, T F *Am Dairy Rev* 37 (12): 33C-35C. Dec 1975

031544 44.8 AM38
Outlook for building consumer acceptance for cultured [dairy] products. Nielsen, V H *Am Dairy Rev* 38 (1): 24, 26. Jan 1976

031545 44.8 AM38
The sales potential for cultured dairy products. Quackenbush, G G *Am Dairy Rev* 38 (1): 18B, 18D-18E. Jan 1976

031546 9 SO1
Meat exportation [Foreign trade, Argentina]. (Spa) Instituto de Estudios Economicos de la Sociedad Rural Arg; Entina *An Soc Rural Argent* 109 (5): 34-42. May 1975

031547 9 SO1
Productivity and price in cattle farming. (Spa) Instituto de Estudios Economicos de la Sociedad Rural Arg; Ent ina *An Soc Rural Argent* 109 (6/7): 28-29, 31-32, 34. June/July 1975

031548 49 C43
Production, distribution and consumption of broilers in Japan. 1. (Jpn) *Anim Husb* 29 (7): 947-950. July 1975

031549 16 M582
Position of Italian wines on foreign markets. (Ita) De Marchi, A *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 56-87. Ref. Jan/Dec 1974 (Pub. 1975)

031550 47.8 B262
Characteristics of economical and management aspects of increased turkey production [Prices, marketing]. (Hun) Laszlo, Mrs L *Baromfitenyesztes* 19 (11): 4-6. (Continued) Nov 1975

031551 S11.B43
New system for handling and supplying seed potatoes [Transportation]. (Dut) Lint, M M de *Bedrijfsontwikkeling* 6 (7/8): 627-631. July/Aug 1975

031552 S11.B43
Potential application of program planning in the horticultural trade. (Dut) Vries, K J de *Bedrijfsontwikkeling* 6 (7/8): 642-644. July/Aug 1975

031553 S11.B43
The market for tulip [Tulipa] bulbs. (Dut) Kortekaas, B M M *Bedrijfsontwikkeling* 6 (7/8): 658-664. July/Aug 1975

031554 65.8 B73
Commodity markets. 2. Localities and futures [London, agricultural products, trade, prices]. (Por) Mont'alegre, O *Bras Acucar* 85 (4): 53-82. Map. Apr 1975

031555 65.8 B73
From the alternatives of 1974 to the prospects of 1974 [Sugar demand and prices]. (Por) Mont'Alegre, O *Bras Acucar* 85 (3): 24-28. Mar 1975

031556 65.8 B73
Marketing is a two-way street [Sugar, corn syrup, prices]. (Por) Mont'Alegre, O *Bras Acucar* 86 (1): 8-14. July 1975

031557 65.8 B73
Sugar in first place in Brazil [Prices, exports]. (Por) *Bras Acucar* 85 (3): 29-39. Mar 1975

031558 65.8 B73
The president of the Sugar and Alcohol Institute [of Brazil] talks to sugar producers [Markets]. (Por) Carmo, A T *Bras Acucar* 85 (4): 5-14. Apr 1975

031559 295.9 IN7
The future of the cold chain system from the viewpoint of supply-demand relations of world food. Hirano, T *Bull Inst Int Froid* 1 (Suppl.): 265-270. 1974

031560 281.9 B832
Behavior and requirements of the consumer for eggs in Belgium. (Fre) Goffinet, R *Cah I E A (Inst Econ Agric Brux)* 178, 86 P. June 1975

031561 7 R31
Canada's European cattle importation. Miller, R R *Can Agric* 20 (4): 13-14. Fall 1975

031562 HD1401.C2
Farm food [retail] marketing costs. Langman, A H *Can Farm Econ* 10 (5): 1-10. Oct 1975

031563 389.9 F7354CO
Committee on Commodity Problems, fiftieth session; Rome, 13-24 October 1975. Recent developments in the world agricultural commodity situation and outlook [Marketing]. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/7, 6 P. Oct 1975

031564 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/3, 4 P. Nov 1975

031565 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/4, 5 P. Dec 1975

031566 389.9 F735CC
Committee on Commodity Problems Consultative Sub-committee on Surplus Disposal. Summary record, 216th meeting, 13 January 1976, 10:00 a.m. Food and Agriculture Organization of the United Nations *CCP/CSD/SR Food Agric Organ U N* 216, 12 P. Jan 28, 1976

031567 80 C49
Production—the next five years [Citrus]. Reitz, H J *Citrus Ind* 57 (1): 11-12, 14, 18-19, 22-24. Jan 1976

031568 HD9275.A2C9
Market outlook for [Lactobacillus] acidophilus food products. Speck, M L *Cult Dairy Prod J* 10 (4): 8-10. Nov 1975

031569 100 L935
Prices and price indexes for Louisiana farm products, 19711975. Fielder, L L Jr; Guy, S L; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 489, 16 P. June 1975

031570 412.628 D23
Estimating feed production requirements [on a national scale, fur animals]. (Dan) *Dan Pelsdyravl* 38 (7): 226. July 20, 1975

031571 280.38 D442
Export prospects of the French milling industry. (Fre) *Depeche Ind Commer Agric* (New Ser.) 28 (249): 14. Nov 1975

031572 H1.D4
The EEC [European Economic Community] generalised system of preferences; with special reference to Latin America [International trade relations]. Boer, K den *Dev Change* 6 (4): 63-73. Ref. Oct 1975

031573 281.8 SO73
Regulation of the agricultural market in the European Economic Community. (Rus) Trotsenko, I *Ekon Sel'sk Khoz* 7: 114-117. July 1975

031574 290.9 M57
Export turn-over of foods in 1974, in the mirror of world market situation. (Hun) Soos, L *Elelmez Ipar* 29 (9): 257-261. Eng. Sum. Sept 1975

031575 290.9 M57
Improvement of producer's price-system in the food industries. (Hun) Borbenyi, E *Elelmez Ipar* 29 (10): 309-316. Eng. Sum. Oct 1975

031576 A281.9 AG83
Demand for soybean meal in Denmark. Cohen, M H; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign Reg Anal Div Econ Serv U S Dep Agric* 368, 36 P. Map. Ref. Oct 1974

031577 HD1401.E92
EEC [European Economic Community] food imports from the Third World and international responsibility in agricultural policy. Wagstaff, H R *Eur Rev Agric Econ* 2 (1): 1-21. 1974/1975

031578 HD1401.E92
Structural adjustments in agriculture under different price conditions. Schrader, H; Henrichsmeyer, W *Eur Rev Agric Econ* 2 (1): 33-46. 1974/1975

031579 HD1401.E9
A buyer's view of the future for meat. Nugent, F L *Euro-Farm Bus* 4 (4): 7-12. Dec 1975

031580 HD1401.E9
Fats, oils and meals plentiful in 1976. *Euro-Farm Bus* 4 (4): 35-37. Dec 1975

031581 HD1401.E9
Record world sugar crop to exceed demand [Situation]. Hurt, L C *Euro-Farm Bus* 4 (4): 33-34. Dec 1975

031582 102.5 EX7
Model of elasticities of demand and consumption of agricultural products in Juiz de Fora, Minas Gerais. (Por) Rezende, P S de; Barbosa, T; Machado Filho, F; Alves, E R de A *Experientiae* 20 (3): 53-87. Ref. Eng. Sum. Aug 1975

031583 A286.9 AG8
Ocean shipping highlights in grain trade [Statistics]. Reinsel, E I; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 38-45. Jan 1976

031584 A286.9 AG8
Selected prices of international significance [Agriculturalcommodities]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 46-50. Jan 1976

031585 A286.9 AG8
U.S. Agricultural export shares by states, fisal 1975 [Statistics]. Breedlove, S E; Stanton, L E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 5-15. Jan 1976

031586 A286.9 AG8
U.S. Agricultural imports from 50 major countries, fiscal years 1970-75 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 16-37. Jan 1976

031587 280.38 F62
Austria's 1974 export trade in meat. (Ger) Siegel, O *Fleischwirtschaft* 55 (9): 1247. Sept 1975

031588 280.38 F62
Export trade in meat and meat products within the OECD [Organization for Economic Cooperation and Development] area. (Ger) Siegel, O *Fleischwirtschaft* 55 (9): 1248-1250. Sept 1975

031589 280.38 F62
Lamb and mutton on the market. Problems of supply and demand. (Ger) Schon, I *Fleischwirtschaft* 55 (9): 1170-1172. Sept 1975

280.38 F62
The correlation between price and composition of sausages. (Ger) Puolanne, E *Fleischwirtschaft* 55 (10): 1452, 1455-1456. Ref. Eng. Sum. Oct 1975

031590 280.38 F62
The German Federal Republic's 1974 export trade in live animals. (Ger) Siegel, O *Fleischwirtschaft* 55 (9): 1246. Sept 1975

031591 280.38 F62
Trends in the wholesale meat market. (Ger) Reitmeier, M *Fleischwirtschaft* 55 (9): 1168-1170. Sept 1975

031592 HD9000.1.F64
Creating and updating [food] package communication. Tietjen, K H *Food Prod Dev* 9 (9): 61. Nov 1975

031593 HD9000.1.F64
Good market climate nurtures soy industry growth. Anton, J J *Food Prod Dev* 9 (8): 96-99. Oct 1975

031594 19 F75
Importance of the European Economic Community market for Austrian agriculture. (Ger) Reisch, H *Forderungsdienst* 23 (10): 331-335. Oct 1975

031595 1.943 F7633
Prospects for French corn production: an assessment [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv* 15-75, 6 P. Nov 12, 1975

031596 1.943 F116
1975 meat production down 3 percent, world trade continues restricted [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)* 10-75, 9 P. Oct 1975

031597 1.943 F113
World trade in eggs and poultry, 1973 and 1974 [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Poult FPE (U S Dep Agric)* 5-75, 8 P. Nov 1975

031598 A281.9 F76FO
Adverse weather in Brazil cuts wheat crop estimate [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 5. Jan 26, 1976

031599 A281.9 F76FO
Affluent Saudis increase imports of some U.S. Foods. Parker, J B Jr; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 2-4. Feb 9, 1976

031600 A281.9 F76FO
Australian wool stocks still growing [Supply and demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 11. Jan 26, 1976

031601 A281.9 F76FO
Bangladesh grain crops on uptrend, but imports heavy [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 14-15. Feb 9, 1976

031602 A281.9 F76FO
Bulgaria stresses grains, oilseeds [Production]. Lambert, M J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 12. Feb 9, 1976

031603 A281.9 F76FO
Canada's oilseed crops rebound in 1975 [Production]. Riggs, D W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 8. Jan 26, 1976

031604 A281.9 F76FO
Danish fishmeal exports off; oilseed needs may rise. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 5. Feb 9, 1976

031605 A281.9 F76FO
Ecology fears boost Kenyan pyrethrum exports [Insecticides]. Rose, I; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 9-10. Jan 26, 1976

031606 A281.9 F76FO
Malaysia's palm oil exports up. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 10. Jan 26, 1976

031607 A281.9 F76FO
Morocco seeks larger export trade in textiles. Williams, D G; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 6-7. Feb 9, 1976

031608 A281.9 F76FO
Rebound in world meat trade seen for 1976. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 2-4, 10. Feb 2, 1976

031609 A281.9 F76FO
Record crops lift world rice supply, depress trade. Beeghly, W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 2-4, 16. Jan 26, 1976

031610 A281.9 F76FO
Rising energy costs imperil East Europe's import growth. Vankai, T A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 6-7, 16. Feb 2, 1976

031611 A281.9 F76FO
Some broiler price declines noted in world food survey. DiCostanzo, S R; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 8-9. Feb 9, 1976

031612 A281.9 F76FO
Soviet sugarbeet harvest below target [Production]. Bernstein, L A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 5. Feb 9, 1976

031613 A281.9 F76FO
United States imports more cut flowers. Wagley, H O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 16. Feb 9, 1976

031614 A281.9 F76FO
USDA to continue monitoring all export sales contracts. Hokana, F E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 6-7, 11. Jan 26, 1976

031615 A281.9 F76FO
Venezuela to continue as grain importer in future. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 5, 11. Feb 2, 1976

031616 80 F9492
Imports of citrus juice in the European Economic Community. (Fre) Cadillat, R M *Fruits* 30 (9): 573-585. Sept 1975

031617 80 G1938
Import of cut flowers. (Nor) Taerum, R *Gartneryket* 65 (33): 516, 519. Aug 15, 1975

031618 80 G1938
Import of nursery articles [Common Market]. (Nor) Taerum, R *Gartneryket* 65 (33): 544. Aug 15, 1975

031619 80 G1938
Norwegian vegetable imports. (Nor) Hellem, F *Gartneryket* 65 (33): 530. Aug 15, 1975

031620 80 G1938
Plum production in Norway. Factors influencing price and demand. (Nor) Haugse, L *Gartneryket* 65 (41/42): 663-665. Oct 17, 1975

031621 80 G1938
Producers and business must cooperate for better marketing of flowers. (Nor) Varbo, H O *Gartneryket* 65 (33): 515. Aug 15, 1975

031622 80 G1938
Market regulation of vegetables produced during the current season. (Nor) Nodenes, M *Gartneryrket* 65 (26/27): 453. July 4, 1975

031623 26 H27
Positive and negative aspects of subsidies to agriculture. (Heb) Magen, Z *Hassadeh* 56 (2): 159-163, 165. Nov 1975

031624 26 H27
What are subsidies? (Heb) Zvi, M *Hassadeh* 56 (2): 162-163. Nov 1975

031625 100 AL1H
Relative changes in prices received by farmers and hourly earnings of employees of food marketing firms. White, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 12. Winter 1975

031626 50.8 H95
Role of cooling chain in food trade. (Hun) Santa, Mrs I *Husipar* 24 (5): 203-206. Eng. Sum. Sept/Oct 1975

031627 HG538.A5 1974
Agricultural and food economic summit conference [Food prices, paper]. Armstrong, J *In Agriculture and Food Conference on Inflation Report* 1: 203-238. 1974

031628 HG538.A5 1974
Agriculture & food economic summit; conference paper [Food prices]. Bates, M *In Agriculture and Food Conference on Inflation Report* 1: 245-257. 1974

031629 HG538.A5 1974
Agriculture and inflation. Sims, M E *In Agriculture and Food Conference on Inflation Report* 2: 441-450. 1974

031630 HG538.A5 1974
Causes and effects of [agricultural] inflation and suggested corrective actions. York, C M *In Agriculture and Food Conference on Inflation Report* 2: 233-240. 1974

031631 HG538.A5 1974
Combating inflation [Food prices]. Adamy, C G *In Agriculture and Food Conference on Inflation Report* 1: 175-202. 1974

031632 HG538.A5 1974
Controlling inflation. Ferguson, F E *In Agriculture and Food Conference on Inflation Report* 2: 269-280. 1974

031633 HG538.A5 1974
Inflation: Can we control it? [Agricultural prices]. Palmer, L *In Agriculture and Food Conference on Inflation Report* 2: 83-96. 1974

031634 HG538.A5 1974
Inflation: causes, impacts on agriculture, farming and food, suggested policies. Boger, L L *In Agriculture and Food Conference on Inflation Report* 2: 343-364. 1974

031635 HG538.A5 1974
Inflation-causes, consequences and controls [Food prices]. Blair, G B *In Agriculture and Food Conference on Inflation Report* 1: 259-265. 1974

031636 HG538.A5 1974
Inflation—Its causes, its effects and its cure. Magdanz, D F *In Agriculture and Food Conference on Inflation Report* 2: 281-300. 1974

031637 HG538.A5 1974
Inflation—probable causes and possible cures [Agriculural prices]. Pike, H W *In Agriculture and Food Conference on Inflation Report* 2: 97-109. 1974

031638 HG538.A5 1974
Main causes of inflation. Hildreth, R J *In Agriculture and Food Conference on Inflation Report* 2: 481-486. 1974

031639 HG538.A5 1974
Our love-hate relationship with inflation. Paarlberg, D *In Agriculture and Food Conference on Inflation Report* 2: 329-333. 1974

031640 HG538.A5 1974
Paper on inflation [Prices]. Smith, Mrs Haven *In Agriculture and Food Conference on Inflation Report* 2: 335-336. 1974

031641 HG538.A5 1974
Policies and practices in the private nonagriculture and non-food economic sector to control inflation. Ray, O M *In Agriculture and Food Conference on Inflation Report* 2: 541-552. 1974

031642 HG538.A5 1974
Some thoughts on inflation [Food prices]. Atkinson, T C *In Agriculture and Food Conference on Inflation Report* 1: 239-244. 1974

031643 HG538.A5 1974
Summary of main consequences of inflation on agriculture, food and farming. Boger, L L *In Agriculture and Food Conference on Inflation Report* 2: 491-507. 1974

031644 HG538.A5 1974
The economy and agriculture [Prices]. Oliver, A E *In Agriculture and Food Conference on Inflation Report* 2: 69-82. 1974

031645 HG538.A5 1974
Views of the American Meat Institute on inflation in the agriculture and food industry. Lyng, R *In Agriculture and Food Conference on Inflation Report* 2: 21-47. 1974

031646 SF539.H66
World trading in honey. Willson, R B *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 355-377. 1975

031647 SF95.C63 1974
World cereal supplies and trade and usage for animal feeds. Low, E M *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 41-47. 1974 (Pub. 1975)

031648 SF95.C63 1974
World oilcake and meal supplies. Breslin, P J R *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 49-52. 1974 (Pub. 1975)

031649 QP141.A1W4 1974
Consumer response to trends in food design. Creasy, D N *In Proceedings Western Hemisphere Nutrition Congress* 4th: 228-234. 1974 (Pub. 1975)

031650 SF95.W3 1975
Consumer acceptance of waste recycling. Brechin, M *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 236-245. 1975

031651 389.8 K832
Basic and purchase prices for fruit and vegetables for the 1975/76 fiscal year [European Economic Community]. (Ger) *Ind Obst Gemuseverwert* 60 (15): 433-435. Aug 7, 1975

031652 389.8 K832
Canada, a producer of fresh fruit [Supply, marketing]. (Ger) *Ind Obst Gemuseverwert* 60 (19): 565-566. Oct 2, 1975

031653 389.8 K832
Foreign trade in fruit in 1974. (Ger) Siegel, O *Ind Obst Gemuseverwert* 60 (21): 617-620. Nov 6, 1975

031654 389.8 K832
Foreign trade with vegetables in 1974. (Ger) Siegel, O *Ind Obst Gemuseverwert* 60 (15): 436-440. Aug 7, 1975

031655 389.8 K832
Fruit and vegetable products in foreign trade in the first semester of 1975. (Ger) Siegel, O *Ind Obst Gemuseverwert* 60 (23): 680-683. Dec 4, 1975

031656 389.8 K832
Market for dehydrated vegetables still poorly developed in Switzerland and Sweden. (Ger) *Ind Obst Gemuseverwert* 60 (15): 440-441. Aug 7, 1975

031657 389.8 K832
Preparations and preserved fruit and vegetable products for imports into the area of the Organization for Economic Cooperation and Development. (Ger) Siegel, O *Ind Obst Gemuseverwert* 60 (18): 511-513. Sept 18, 1975

031658 389.8 K832
Regulation of the European Economic Committee with third countries for fruit and vegetable products [Imports, prices]. (Ger) Arlitt, M *Ind Obst Gemuseverwert* 60 (17): 489-499. Sept 4, 1975

031659 68.29 IN23M
A study of the coffee market in France in relation to Indian coffee. Abraham, J M; Ramamurthy, A; Mallari Rao, T V *Indian Cof* 39 (7/8): 209-213. July/Aug 1975

031660 389.8 IN25
Livestock market and marketing of livestock. Bailur, D M *Indian Food Pack* 29 (4): 56-59. July/Aug 1975

031661 65.8 IN26
Need for fuller capacity utilisation [Sugar production]. Pittle, S M N *Indian Sugar* 25 (5): 305-306. Aug 1975

031662 65.8 IN26
Problems and prospects of sugar industry [Production, trade, prices]. Pillai, P M *Indian Sugar* 25 (5): 301-304. Aug 1975

031663 65.8 IN26
[Sugarcane] pricing policy. Jhunjhunwala, V D *Indian Sugar* 25 (5): 315-316, 318. Aug 1975

031664 HD9000.1.I53
A realistic look at unitization for the produce industry [Fruits and vegetables, transportation equipment]. Wolf, D *Int Conf Handling Perish Agric Commod* 26th: 48-50. 1974

031665 HD9000.1.I53
Background of the lettuce industry [Production, marketing, transportation]. Angstadt, H E *Int Conf Handling Perish Agric Commod* 26th: 14-17. 1974

031666 HD9000.1.I53
Evolution of meat products handling and transportation. Ives, J R *Int Conf Handling Perish Agric Commod* 27th: 52-59. 1975

031667 HD9000.1.I53
Marketing of lettuce. Toppen, H *Int Conf Handling Perish Agric Commod* 26th: 76. 1974

HD9000.1.I53
Palletization or unitization in the transportation cycle [of fresh fruits and vegetables]. Wells, R A *Int Conf Handling Perish Agric Commod* 27th: 123-126. 1975

031668 HD9000.1.I53
Palletization/unitization [Loading patterns and their relationship to refrigeration in food transit]. Toppen, H *Int Conf Handling Perish Agric Commod* 27th: 120-122. 1975

031669 HD9000.1.I53
Rail/ship distribution of fresh lettuce. Rath, E *Int Conf Handling Perish Agric Commod* 26th: 77-82. 1974

031670 HD9000.1.I53
"Regulating the regulator" [Agricultural production and distribution]. Boyd, A S *Int Conf Handling Perish Agric Commod* 27th: 23-27. 1975

031671 HD9000.1.I53
Research to improve transit environments for western lettuce. Harvey, J M *Int Conf Handling Perish Agric Commod* 26th: 56-64. Ref. 1974

031672 HD9000.1.I53
Transportation of western Iceberg lettuce, yesterday, today, and tomorrow. Wolf, D *Int Conf Handling Perish Agric Commod* 26th: 45-47. 1974

031673 HD9000.1.I53
Who needs rail transportation? [Fresh fruits and vegetables]. Kudjer, F J *Int Conf Handling Perish Agric Commod* 26th: 51-55. 1974

031674 HD9000.1.I53
27th annual International Conference on Handling Perishable Agricultural Commodities "a challenge to the railroads" [Transportation]. Kabrick, M *Int Conf Handling Perish Agric Commod* 27th: 89-91. 1975

031675 16 IT1
Containers for storage and transport of fruit and vegetables [Research projects, Italy]. (Ita) Panattoni, A *Ital Agric* 112 (5): 35-37. May 1975

16 IT1
Structures for plant production. 2. [Storage, fruit, vegetables]. (Ita) Pratelli, G *Ital Agric* 112 (9): 70-87. Sept 1975

031676 44.8 J824
Recent trends in vending [Food and beverage vending machines]. Hartley, D E *J Milk Food Technol* 39 (1): 59-62. Jan 1976

031677 275.9 N213
International trade [of farm products] and agricultural education. Witt, L *J Natl Assoc Coll Teach Agric* 19 (2): 46-49. June 1975

031678 275.9 N213
The world food crisis—the Watergate of animal agriculture [Cattle production, meat consumption]. Riemann, M J *J Natl Assoc Coll Teach Agric* 19 (2): 18-20. June 1975

031679 44.8 SO12
The competitive position of the UK [United Kingdom] dairy industry in Europe. Morton, J *J Soc Dairy Technol* 29 (1): 14-22. 1976

031680 80 K122
Special theme on the proposals for promoting the production and marketing of Satsuma oranges. (Jpn) Hirose, W; Ogaki, C; Muramatsu, K; Miura, E; Yamamoto, S; Mizutani, K; Yamasaki, Y; Ide, G *Kajitsu Nippon* 30 (1): 18-59. Jan 1975

031681 75.8 K145
Potatoes and potato products in foreign trade. (Ger) Siegel, O *Kartoffelbau* 26 (9): 262-263. Sept 1975

031682 75.8 K145
Retrospect and outlook of the Central Marketing Association of the German Agrarian Economy for potatoes. (Ger) *Kartoffelbau* 26 (9): 269-270. Sept 1975

031683 75.8 K145
The 1974 world potato harvest. (Ger) Graf, G *Kartoffelbau* 26 (9): 264-265. Sept 1975

031684 75.8 K145
Thoughts on the potato market in fall 1975. (Ger) Kratzig, P *Kartoffelbau* 26 (9): 260-261. Sept 1975

031685 HD1491.G3K6
Further improvement of the efficiency of distribution and the economic regulation of [the East German] storage houses. (Ger) Rieger, U; Kleiber, E; Steinhauser, L; Strubing, H *Kooperation* 9 (11): 502-505. Nov 1975

031686 HD1491.G3K6
Improving cooperation with the trade [Meat marketing, consumer preferences]. (Ger) Kmetzsch, K *Kooperation* 9 (11): 481-484. Nov 1975

58.8 L2352
Import of agricultural machinery, 1974. (Dut) Vollaers, J A *Landbouwmechanisatie* 26 (10): 1189-1193. Eng. Sum. Oct 1975

58.8 L2352
1974 turned out to be a good year for tractor imports. (Dut) Vollaers, J A *Landbouwmechanisatie* 26 (9): 1051-1057. Eng. Sum. Sept 1975

031687 1 AG84MR
Methods and costs for the warehouse assembly of grocery orders for small stores [Wholesale marketing]. Bragg, E R; Runyan, J L; Bouma, J C; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1031, 21 P. Sept 1975

031688 HD9275.D44D3
Much friendliness [Supply of butter to British market, New Zealand, Common Market]. (Dan) *Mejeribrugets Uge-Nyt* 34: 285. Sept 1, 1975

031689 HD9275.D44D3
Only a modest portion of world milk production is sold in international trade. (Dan) *Mejeribrugets Uge-Nyt* 27: 221. July 14, 1975

031690 HD9275.D44D3
Settlement stalls on butter price increase [Exports, Common Market]. (Dan) *Mejeribrugets Uge-Nyt* 36: 301. Sept 15, 1975

031691 HD9275.D44D3
The British accept Europe [Common Market]. (Dan) *Mejeribrugets Uge-Nyt* 22: 177. June 9, 1975

031692 44.8 M593
Costings go metric [Milk, prices]. Freeman, W R *Milk Ind* 77 (3): 30-33. Sept 1975

031693 44.8 M593
The dairy goes metric [Milk, marketing]. Kirby, D S *Milk Ind* 77 (3): 28-29. Sept 1975

031694 44.8 M593
The [milk] producer goes metric [Marketing, Great Britain]. Brown, J *Milk Ind* 77 (3): 22-23, 26-28. Sept 1975

031695 18 N39
Agriculture needs more marketing. (Ger) Fried, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1249-1251. Dec 4, 1975

031696 18 N39
Market partners will be fair [Agriculture]. (Ger) Bokemeier, F *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1256. Dec 4, 1975

031697 18 N39
Rational distribution system for vegetables. (Ger) Ostendorf, H D *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1258-1260. Dec 4, 1975

031698 44.8 M735
Causes of, and resistance to, the concentration of enterprises and their dependence on the general economic policy [Dairy industry]. (Ger) Drews, M *Molk-Ztg Welt Milch* 29 (41): 1143-1151. Oct 10, 1975

031699 44.8 M735
Competition between pasteurized and homogenized milk as indicated by costs, prices and consumption. (Ger) Drews, M *Molk-Ztg Welt Milch* 29 (43): 1203-1209. Oct 24, 1975

031700 44.8 M735
Dairy industry at the limit of its growth [Demand, markets, Bavaria]. (Ger) Meggle, T *Molk-Ztg Welt Milch* 29 (42): 1180, 1184-1188. Oct 17, 1975

031701 44.8 M735
Milk marketing in an isolated large city [West Berlin]. (Ger) Becker, W *Molk-Ztg Welt Milch* 29 (40): 1113-1116, 1125. Oct 3, 1975

031702 1.941 S2F73
Food price movements and shifts in purchases. Manchester, A C; U.S. Dept. of Agriculture Economic Research Service *Natl Food Situation* 154: 33-34. Nov 1975

031703 410 N56
Raphia palms: the production of piassava in Nigeria [Oil, fiber, exports]. Otedoh, M O *Niger Field* 40 (1): 4-16. Mar 1975

031704 44.8 N752
New automatic cheese store in Olterterp in Friesland. (Mul) Hansen, R *Nord Mejeritidsskr* 41 (6): 232-241. 1975

031705 44.8 N752
When the dairies changed over to non-returnable packages, they paid for something which they have not yet received. (Mul) Hansen, R *Nord Mejeritidsskr* 41 (7): 242-247, 253. 1975

031706 294.8 P56
Elasticity of fertilizer demand. *Phospho Potas* 80: 26-32. Nov/Dec 1975

031707 SF481.P64
Better [poultry] marketing facilities needed. Singh, B *Poult Guide* 12 (11): 45-47. Nov 1975

031708 SF481.P64
Reorient farming and marketing techniques [Poultry]. Reddy, P B *Poult Guide* 12 (11): 23-28. Nov 1975

031709 SF481.P64
Scientific modernization of marketing can cure the ills [Poultry]. Som, R *Poult Guide* 12 (11): 29-33. Nov 1975

031710 43.9 N212
Advertising support for field personnel [Agri-business]. Bannon, D *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 148-155. 1975

031711 43.9 N212
Knowing your market situation [Artificial insemination, cattle]. Mellinger, J R *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 143-147. 1975

031712 43.9 N212
Milk marketing and the law [Agricultural Marketing Agreement Act]. Knox, W D *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 83-93. 1975

031713 43.9 N212
Some unkind remarks about advertising [Animal breeding business]. Stephens, J *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 72-82. 1975

031714 43.9 N212
The A. I. [Artificial insemination] industry market potential [Beef cattle]. Marion, G B *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 138-143. 1975

031715 43.9 N212
The general financial overview and implications to the livestock industry [Prices, inflation]. Gramm, W P *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 56-62. 1975

031716 281.9 B87
Beef: balance of a year of recovery. (Fre) Fontenil, R *Prod Agric Fr* 51 (179): 21-22. Nov 1, 1975

031717 281.9 B87
The swine market in the European Economic Community. (Fre) Vanderhaegen, J *Prod Agric Fr* 51 (177): 29, 31-32. Maps. Oct 1, 1975

031718 281.9 B87
Where are our cereals going? [Exports]. (Fre) Legret, J *Prod Agric Fr* 51 (178): 7-8. Oct 15, 1975

031719 6 T311
Farm grain storage gives you more market muscle. *Prog Farmer (Birmingham)* 90 (5): 17-19. May 1975

031720 6 T311
There is something you can do about beef marketing! Pope, L S *Prog Farmer (Birmingham)* 90 (4): 27-28. Apr 1975

031721 6 T311
What you should know about your biggest soybean competitor [Marketing]. Wilborn, E *Prog Farmer (Birmingham)* 90 (11): 23-25. Nov 1975

031722 22.5 N687
Conditions enabling long distance delivery of milk produced in Hokkaido. (Jpn) Sasaki, K *Q J Agric Econ* 29 (4): 31-71. Oct 1975

031723 22.5 N687
The Lockset method of sequential programming applied to milk collection. (Jpn) Kobayashi, K *Q J Agric Econ* 29 (4): 145-158. Oct 1975

031724 281.9 AU73
Demand and supply forces in the world beef market. Reeves, G W; Haman, A H *Q Rev Agric Econ* 28 (3): 121-151. Ref. July 1975

031725 64.8 R18
Situation and aspects of world cotton production. (Bul) Milkovski, I; Dushev, E; Nikolov, G *Rastenievud Nauk* 12 (6): 148-158. Ref. Eng. Sum. 1975

031726 100 OH3S (2)
Some conduct and performance aspects of food specials retailing: a Columbus market case study. Stout, T T; Doehler, R C; Ohio Agricultural Research and Development Center *Res Bull Ohio Agric Res Dev Cent* 1082, 19 P. Ref. Dec 1975

031727 49 P943
Methods of predeterminating the output in cheese and dairy products. (Rum) Valasuteanu, E *Rev Cresterea Anim* 26 (5): 79-86. June 1975

031728 9.4 R32
Eighty-three million dollars received from the United States for export of cotton [Colombia]. (Spa) Lizarralde, L *Rev Nac Agric* 68 (816): 10-14, 16-19. June 30, 1975

031729 SF221.S6
[Economic of the] transportation of bulk milk. Luck, H *S Afr J Dairy Technol* 7 (3): 189-196. Ref. Sept 1975

031730 60.38 SO9
Equal rights for soybeans [Marketing]. Jobman, D *Soybean Dig* 36 (3): 10. Jan 1976

031731 60.38 SO9
Soy oil faces stiff competition [Marketing]. Graham, L *Soybean Dig* 35 (2): 12-13. Dec 1975

031732 100 OR3M
A market potential for fresh vegetables. Groder, R H; Oregon Agricultural Experiment Station *Spec Rep Oreg State Univ Agric Exp Stn* 389, Rev., 21 P. Sept 1975

031733 61.8 SV2
Continued decline of oil seed prices on the international market. (Swe) Cedell, T *Sven Frotidn* 44 (5): 73-74, 76-77. May 15, 1975

031734 61.8 SV2
The year's prices for field seed. (Swe) *Sven Frotidn* 44 (11): 153. Nov 15, 1975

031735 11 T43
Agricultural price situation, 1974-1975 [Common Market]. (Dan) *Tidsskr Landokon* 162 (4): 318-329. 1975

031736 SB111.A2T72
World demand prospects for bananas and citrus fruits, the effect of prices and income on the growth rate of consumption. (Ger) Andeae, B *Tropenlandwirt* 76: 42-47. Eng. Sum. Oct 1975

031737 80 T817
Packaging horticultural products. (Dut) Frison, R *Tuinbouwberichten* 39 (7/8): 297-298. July/Aug 1975

031738 80 T817
Vegetables and fruits in the consumers index. 1. (Dut) Avermaete, U *Tuinbouwberichten* 39 (10): 401-405. Oct 1975

031739 AHG3810.A2U5
World monetary conditions in relation to agricultural trade [Statistics]. Goolsby, O H; Manfredi, E M; U.S. Dept. of Agriculture Economic Research Service *U S Dep Agric Econ Res Serv WMC* 8, 31 P. May 1975

031740 410 V42
The skin market [Mink]. (Swe) Vik, A M *Vara Palsd* 46 (11): 258-259. Nov 15, 1975

031741 20 V82
Increasing the marketability of fruit and vegetable products. (Ukr) Kravchenko, I O *Visn Sil's'kohospod Nauki* 11: 8-13. Nov 1975

031742 11 T58
Estimate of grain and pork prices in the USA during the coming year. (Dan) Jensen, F L *12Mandsbladet* 47 (10): 463-468. Oct 1975

STATISTICAL DATA AND METHODOLOGY

031743 281.9 IL62
Landlord and tenant shares, 1974 [Farms, statistics]. Reiss, F J; Illinois Agricultural Experiment Station; Illinois University College of Agriculture Dept. of Agricultural Economics *AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign* 142, 29 P. Oct 1975

031744 2 N818A
North Dakota barley, corn, oats, rye historic estimates, 1955-1970 [Statistics]. *Ag Stat N D Crop Livest Rep Serv* 36, 66 P. Oct 1975

031745 100 D37S (1)
Employment in Delaware, 1954 to 1974 [Rural statistics]. Allred, D L; Delaware Agricultural Experiment Station *Bull Agric Exp Stn Univ Del* 416, 26 P. Nov 1975

031746 64.8 IM7
Accounting for components of error [Experimental design]. Roberts, E A *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 59-71. 1975

031747 64.8 IM7
An introduction to some multivariate techniques with applications in field experiments. Bofinger, V J *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 73-83. 1975

031748 64.8 IM7
Introduction: design and analysis in field experiments. Haydock, K P; Sandland, R L *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 1-10. Ref. 1975

031749 64.8 IM7
Making effective use of computing resources [Data processing]. Abel, D E; Cunningham, R B; Kirton, C *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 119-127. 1975

031750 64.8 IM7
Missing data and non-orthogonality [Experimental design]. Kirton, C *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 43-57. 1975

031751 64.8 IM7
Pattern analysis in field experiments. Williams, W T *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 107-117. Ref. 1975

031752 64.8 IM7
Principal components analysis and its use in hypothesis generation and multiple regression. Dudzinski, M L *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 85-105. Ref. 1975

031753 64.8 IM7
Repeated measurements experiments [Cyclic designs]. Hall, W B *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 33-42. Ref. 1975

031754 64.8 IM7
Response surface designs [Experimental design]. Balaam, L N *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 11-32. Ref. 1975

031755 64.8 IM7
The role of modelling and field experiments in understanding complex systems. Rose, C W *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 129-154. Ref. 1975

031756 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. (Fre) Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/2, 17 P. Jan 1976

031757 HD1401.E92
Pooling time-series and cross-section data: a review [Research methods, agriculture]. Fanfani, R *Eur Rev Agric Econ* 2 (1): 65-85. Ref. 1974/1975

031758 S279.A315
Material relating to the developed and backward districts or areas (in agriculture) in Karnataka state [Statistics]. Gondhi, M G *Farm Front* 9 (2/3): 6-7. Feb/Mar 1975

031759 A281.3939 F76
Canned fruit: world production and trade statistics. U.S. Foreign Agricultural Service *Foreign Agric Circ, Cann Fruit FCAN (U S Dep Agric)* 6, 82 P. Nov 1975

031760 1.943 F7633
World grain situation: outlook for 1975/76 [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv* 11 75, 13 P. Aug 19, 1975

031761 389.8 K832
Fruit and vegetable processing in Germany in 1974 (Statistics). (Ger) Siegel, O *Ind Obst Gemuseverwert* 60 (19): 535-536. Oct 2, 1975

031762 389.8 K832
Production of canned fruit in Europe [Statistics]. (Ger) *Ind Obst Gemuseverwert* 60 (23): 683-684. Dec 4, 1975

031763 20 M57AG
Dynamics and structure of labor in the agriculture of Hungary [Statistics]. (Ger) Ivanics, A *Int Z Landwirtsch* 6: 618-622. 1975

031764 16 IT1
Evolution of agronomic techniques in Italy in the last ten years [Field crops, acreage, yields, statistics]. (Ita) Maliani, C *Ital Agric* 112 (9): 64-69. Sept 1975

031765 100 N27M
Nebraska agriculture: selected graphics [Statistical methods]. Stark, A L; Kendrick, J G; Nebraska Agricultural Experiment Station *MP Univ Nebr Coll Agric Home Econ Agric Exp Stn* 30, 23 P. Mar 1975

10 OU8
Cereal straw production and utilization in England and Wales [Statistics]. Staniforth, A R *Outlook Agric* 8 (4): 194-200. Maps. Ref. 1975

031766 1 AG84ST
Wool statistics and related data, 1930-69. Frye, S M comp; U.S. Dept. of Agriculture *Stat Bull U S Dep Agric* 455 (Suppl.), 124 P. Jan 1976

031767 SB183.Z4
Cereal growing in the Nonchernozem zone of the RSFSR [Acreage, yields]. (Rus) Klikukach, A A *Zern Maslichn Kul't* 9: 15-16. Sept 1975

OUTLOOK, POLICIES, PROGRAMS AND LEGISLATION

S760.A75A35
Green revolution with or without tractors: the case of Sri Lanka. Ahmed, I *A M A (Agric Mech Asia)* 6 (2): 86-90. Autumn 1975

031768 S760.A75A35
Systems analysis as a guide technology transfer [for evaluating agricultural development programs]. Faidley, L W; Esmay, M L *A M A (Agric Mech Asia)* 6 (2): 26-31. Ref. Autumn 1975

031769 14 P215BC
Communications relating to the 1973-1974 agricultural season. II. The 1974 grape growing season and situation of French viticulture. (Fre) Audidier, *Acad Agric Fr C R Seances* 61 (7): 363-372. 1975

14 P215BC
Hidden vices in the sale of domestic animals [Diseases, legislation]. (Fre) Juglart, de *Acad Agric Fr C R Seances* 61 (7): 402-410. 1975

100 W27A
What's for lunch? A look at school lunches [Programs]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 10-11. Fall 1975

031770 280.8 AG82
Active income policy for farmers [Austria]. (Ger) Schneider, M *Agrar Rundsch* 7/8: 1-4. Dec 1975

031771 280.8 AG82
Inquiries of income in agriculture and forestry [Policies, Austria]. (Ger) Kobsa, F *Agrar Rundsch* 7/8: 5-9. Dec 1975

031772 280.8 AG82
The future of European agriculture [Outlook]. (Ger) Nussbaumer, A *Agrar Rundsch* 7/8: 27-30. Dec 1975

031773 58.8 D482
New legal regulations concerning service standards [Equipment]. (Ger) Liers, H W *Agrartechnik* 25 (9): 435-436. Ref. Sept 1975

031774 S3.A32
A research approach to institutional alternatives in the administration of agrarian development programmes. Schmid, A A; Faas, R C *Agric Adm* 2 (4): 285-305. Ref. Oct 1975

031775 16 AG8226
Agricultural production and the food economy of Italy in the outlay of the family. (Ita) Cantarelli, G *Agricoltura* 23 (7): 37-44. July 1974

031776 16 AG8226
Agriculture also depends on producing more for all to eat better. (Ita) Stupazzoni, G *Agricoltura* 23 (7): 29-33. July 1974

031777 16 AG8226
How and why revise the community agricultural policy. (Ita) Dell'Angelo, G *Agricoltura* 24 (9): 23-26. Sept 1975

031778 16 AG8226
Need for bringing legislation up to date for greater diversification and better utilization of foods. (Ita) Angelini, A; Artioli, D *Agricoltura* 23 (7): 61-68. July 1974

031779 16 AG8226
New course of Soviet agriculture [Policies]. (Ita) Vespa, B *Agricoltura* 23 (8): 78-82. Aug 1974

031780 16 AG8226
Reality of Italian wines and a listing of their origins [Production]. (Ita) Desana, P *Agricoltura* 24 (9): 65-69. Sept 1975

031781 14 AG823
Agricultural development three years after. (Fre) *Agriculture (Paris)* 392: 340-343. Dec 1975

424.8 AM3
Beehive locations and zoning regulations. II. Bailey, N E *Am Bee J* 116 (1): 13-14, 26. Jan 1975

031782 9 SO1
Agrarian reform done the wrong way [Policies, Argentina]. (Spa) Acuna R M, C M *An Soc Rural Argent* 109 (6/7): 50-52. June/July 1975

031783 9 SO1
Chilean agrarian reform. II. Its influence on farm production [Crop yields]. (Spa) Levis, R *An Soc Rural Argent* 109 (5): 28-32. May 1975

031784 9 SO1
The Chilean agrarian reform. III. Squandering of livestock riches [Policies]. (Spa) Levis, R *An Soc Rural Argent* 109 (6/7): 36-40, 42, 44-45. June/July 1975

031785 9 SO1
The world food problem and the contribution that the modern agroindustrial enterprise can make [Argentina]. (Spa) Pereda, C V *An Soc Rural Argent* 109 (6/7): 22-27. June/July 1975

031786 16 M582
Policy on grape growing and wine production in the EuropeanEconomic Community [Legislation]. (Ita) Niederbacher, A *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 7-26. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

031787 16 M582
Quality wines in Italian and European Economic Communuty legislation [Labeling]. (Ita) Sforza Fogliani, C *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 27-55. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

031788 500 N484
The world food crisis: projections, models, and paradigms. Hopkins, M J D; McLean, J M *Ann N Y Acad Sci* 261: 159-174. Ref. 1975

031789 500 N484
World priority number one: population and subsistence. Dumont, R *Ann N Y Acad Sci* 261: 147-149. 1975

031790 A284.9 ST1
Emergency conservation measures [Programs]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf BI (Agric Stab Conserv Serv)* 9, 1 P. Dec 1975

41.8 AU1
The veterinarian and the world food supply. Westergaard, J M *Auburn Vet* 32 (1): 13-15, 28-29. Fall 1975

031791 S11.B43
The position of industry in regard to glasshouse horticulture outside the large centers. (Dut) Verhaegh, A P *Bedrijfsontwikkeling* 6 (7/8): 665-669. July/Aug 1975

031792 S11.B43
The world food problem and meat consumption in industrialized countries. (Dut) Groot, E H *Bedrijfsontwikkeling* 6 (7/8): 575-578. July/Aug 1975

031793 18 G31
The development of German agricultural structural policy from the founding of the German Empire in 1871 until the end of the Second World War. (Ger) Schreiner, G *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 291-317. Ref. Eng. Sum. Oct 1975

424.8 B476
Coordination of apiculture with agriculture in Baden-Wurttemberg [Legislation]. (Ger) Schieferstein, E *Biene* 112 (1): 5-6. Jan 1976

031794 65.8 B73
Bolivian sugar industry, 1971-1973. (Por) Passos, C *Bras Acucar* 86 (1): 23-25. July 1975

031795 65.8 B73
National Program for Sugarcane Improvement: for what, why and how? [Brazil]. (Por) Azzi, G M *Bras Acucar* 85 (3): 46-50. Mar 1975

031796 65.8 B73
Participation of suppliers [Sugar production]. (Por) Almeida, D *Bras Acucar* 86 (1): 26-27. July 1975

031797 390.8 B87
World situation of grape culture in 1974. (Fre) Mauron, P *Bull O I V* 48 (536): 868-885. Oct 1975

031798 DT19.9.C2C3
An international perspective on the African famines. Wiseberg, L S *Can J Afr Stud* 9 (2): 293-313. Ref. 1975

031799 389.9 F7354CO
Committee on Commodity Problems. Report of the ninth session of the Intergovernmental Group on Hard Fibres; Rome, 30 June-4 July 1975 [Situation studies]. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/16, 24 P. 1975

031800 389.9 F735CONC
Eighteenth session, Rome, 2-27 November 1975. World Food Programme: financial report and statements 1974, III. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N C* 75/9, 28 P. Aug 1975

031801 280.29 IN88
Co-operation, co-operativism? Notes on certain provisions in recent co-operative legislation. Louis, R *Coop Inf (Int Labor Off)* 2: 59-73. 1975

031802 SF221.D33
Dairy outlook for 1976. Jacobson, R E; California University, Berkeley Agricultural Extension Service *Dairy Tales* 6 (1), 5 P. Jan 1976

031803 450 EC7
An historical memoir of the Indigo [Indigofera] industry of Bihar. Martin-Leake, H *Econ Bot* 29 (4): 361-371. Oct/Dec 1975

031804 HC337.U5A1
Scientific and technical progress and integration in agriculture. (Rus) Grinchuk, L *Ekon Sov Ukr* 6: 65-69. Jun 1975

031805 290.9 M57
Medium-term development of the dairy industry. (Hun) Simka, I *Elelmez Ipar* 29 (9): 262-264. Eng. Sum. Sept 1975

031806 TD1.E5
Models aiding national settlement policies in the USSR: a survey. Sokolov, V *Environ & Plann* 7 (7): 757-780. Ref. 1975

031807 TD1.E5
Urban analysis in the regional-national [medium-term econometric forecasting] model REGINA of the French economy [includes rural areas]. Courbis, R *Environ & Plann* 7 (7): 863-878. Map. Ref. 1975

031808 A281.9 AG83
Basic agricultural resources of Kenya [Development, statistics]. Singleton, C B Jr; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign Reg Anal Div Econ Serv U S Dep Agric* 346, 77 P. Maps. Ref. July 1974

031809 A281.9 AG83E
The new politics of food. Schertz, L P; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 619, 14 P. Nov 1975

031810 A281.9 AG83E
U.S. Soybean economy in the 1980's [Forecast]. Kromer, G W; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 518: 16-23. Apr 1973

031811 HD1401.E9
EEC [European Economic Community] forecasts: possible danger of beef deficit. *Euro-Farm Bus* 4 (4): 29-30. Dec 1975

031812 HD1401.E9
Prospects for Europe's farming in the 1980s [Outlook]. Fennell, R *Euro-Farm Bus* 4 (4): 4-6. Dec 1975

031813 S279.A3I5
New challenges before the Indian agriculture. Rao, V K R V *Farm Front* 9 (1): 3-12. Jan 1975

031814 18 W763
Agrochemical centres, present position and size of network, performance and results, and forthcoming tasks for intensification of crop farming. (Ger) Pach, W; Simchen, H *Feldwirtschaft* 16 (10): 437-441. Oct 1975

031815 47.8 T432
The poultry industry in Nord-Trondelag. (Nor) Dybwad, S *Fjorfe* 92 (6): 185. June 1975

031816 HD9000.1.F64
Do world food needs demand a reconsideration of policies on blending? *Food Prod Dev* 9 (8): 22, 27, 30, 32. Oct 1975

HD9000.1.F64
Self-generated safety assurance dictated by S. 641 [the Staff Working Draft of the Consumer Food Act of 1975]. O'Brien, M T *Food Prod Dev* 9 (10): 68, 71. Dec 1975

031817 19 F75
Basis of British agricultural policy. (Ger) Poschacher, G *Forderungsdienst* 23 (10): 327-331. Oct 1975

031818 19 F75
Developmental trends and future aspects of Austrian fruit culture. (Ger) Schratt, H *Forderungsdienst* 23 (11): 357-361. Nov 1975

031819 19 F75
Economic situation of Austrian agriculture in 1974. (Ger) Kobsa, F *Forderungsdienst* 23 (11): 366-376. Nov 1975

031820 19 F75
Feed regulations of the new food law. (Ger) Smolka, K *Forderungsdienst* 23 (9): 301-303. Sept 1975

031821 19 F75
Hunger does not wait [Food supply]. (Ger) Matzke, O *Forderungsdienst* 23 (11): 362-366. Nov 1975

031822 19 F75
The future of the European Economic Community agrarian policy. (Ger) Ertl, J *Forderungsdienst* 23 (9): 285-291. Sept 1975

031823 19 F75
Turning point in agricultural and forestry education [Legislation]. (Ger) Luger, F *Forderungsdienst* 23 (9): 291-297. Sept 1975

031824 19 F75
World fertilizer supply and food security. (Ger) Reiff, M *Forderungsdienst* 23 (10): 336-343. Oct 1975

031825 A281.9 AG8F
The agricultural situation in Africa and West Asia. Review of 1974 and outlook for 1975 [Statistics]. Marx, R E; Dunmore, J C; Kurtzig, M E; Parker, J B; Peed, M L; Skinner, S W; Steiner, H H; Treakle, H C; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 108, 61 P. Map. May 1975

031826 A281.9 AG8F
The agricultural situation in Eastern Europe. Review of 1974 and outlook for 1975 [Statistics]. Chrisler, D; Lambert, M J; Vankai, T A; Miller, C; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 102, 23 P. Apr 1975

031827 80 G1948
30th anniversary of the democratic land reform, thirty years of Marxist-Leninist agricultural policy. (Ger) *Gartenbau* 22 (9): 257-258. Sept 1975

031828 80 G1938
Plum production in Norway. Production foundation and development. (Nor) Haugse, L *Gartneryket* 65 (38): 607-608, 610. Sept 19, 1975

031829 S19.G74
Agricultural price policy [India]. In, D N *Green Revolution* P. 104, 106. 1974

031830 S19.G74
Agriculture, rural development and irrigation in the Fifth Plan [India]. *Green Revolution* P. 19-26. 1974

031831 S19.G74
Agriculture tomorrow. Ahmed, F A *Green Revolution* P. 27-29. 1974

031832 S19.G74
Fisheries research in India: present and future [Food supply]. Prasad, R R; Tampi, P R S *Green Revolution* P. 138-140. 1974

031833 S19.G74
Food for all: towards a realistic procurement policy [India]. Laxminarayan, H *Green Revolution* P. 100-102. 1974

031834 S19.G74
Green revolution and agrarian conflict [Land reform laws inIndia]. Oommen, T K *Green Revolution* P. 15-18. 1974

031835 S19.G74
Planning for more productive cultivation. Arakeri, H R *Green Revolution* P. 30-33. 1974

031836 HG538.A5 1974
Actions in the private economic sector of agriculture, farming and food to control inflation. Palmer, L *In Agriculture and Food Conference on Inflation Report* 2: 527-540. 1974

031837 HG538.A5 1974
Government policies and actions to control inflation. Kuhfuss, W *In Agriculture and Food Conference on Inflation Report* 2: 513-521. 1974

031838 RA565.M3
Food and population—a critical appraisal. Borgstrom, G *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 199-222. Ref. 1974

031839 SF95.C63 1974
World animal production and feed supplies. Nestel, B L *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 15-21. Ref. 1974 (Pub. 1975)

031840 QP141.A1W4 1974
A network for technological information transfer in developing countries. Knox, W T *In Proceedings Western Hemisphere Nutrition Congress* 4th: 281-287. 1974 (Pub. 1975)

031841 QP141.A1W4 1974
Agriculture and energy balance [Food production and consumption]. Cochrane, W W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 16-22. 1974 (Pub. 1975)

031842 QP141.A1W4 1974
Coordinating food production with human needs. Sabry, Z I *In Proceedings Western Hemisphere Nutrition Congress* 4th: 5-9. Ref. 1974 (Pub. 1975)

031843 QP141.A1W4 1974
Economics of transfer. Hulse, J H; Daniels, W D *In Proceedings Western Hemisphere Nutrition Congress* 4th: 271-277. 1974 (Pub. 1975)

031844 QP141.A1W4 1974
Our food supply—the passing of the golden age. Rubin, L J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 370-375. 1974 (Pub. 1975)

031845 QP141.A1W4 1974
Planning technology transfer policies. Amorelli, M O C; Furtado, J S *In Proceedings Western Hemisphere Nutrition Congress* 4th: 288-298. Ref. 1974 (Pub. 1975)

031846 QP141.A1W4 1974
Some economic aspects of the present and future food situation in the Western Hemisphere. Valdes, A; Scobie, G M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 23-31. Ref. 1974 (Pub. 1975)

031847 QP141.A1W4 1974
The influence of international financial problems on food and nutrition. Chafkin, S; Berg, A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 10-15. 1974 (Pub. 1975)

031848 HN389.D75
Tenant [farmers] right in Britain and Ireland. *In Rural Discontent in Nineteenth-Century Britain. J. P. D., Dunbabin, ed.* P. 173-180. Ref. 1974

031849 S471.I4S92
Green Revolution and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the protein problem. Dhar, N R *In Symp on Green Revolution* P. 1-123. 1974

031850 S471.I4S92
Green Revolution—promises and problems [in agriculture]. Sen, P K *In Symp on Green Revolution* P. 146-148. 1974

031851 S471.I4S92
Impact of Green Revolution on Punjab. Randhawa, M S *In Symp on Green Revolution* P. 128-130. 1974

031852 389.8 K832
Aspects of the Portuguese fruit and vegetable processing industry in 1974. (Ger) Capela, M da C N *Ind Obst Gemuseverwert* 60 (19): 542-544. Oct 2, 1975

031853 389.8 K832
Development of the Finnish fruit, berry and vegetable processing industry in 1974. (Ger) Konttinen, J *Ind Obst Gemuseverwert* 60 (19): 538-539. Oct 2, 1975

031854 389.8 K832
Development of the fruit and vegetable processing industry in Greece. (Ger) *Ind Obst Gemuseverwert* 60 (19): 552-553. Oct 2, 1975

031855 389.8 K832
Fruit and vegetable processing industry in Austria in 1974. (Ger) *Ind Obst Gemuseverwert* 60 (21): 620-623. Nov 6, 1975

031856 389.8 K832
Fruit and vegetable processing industry in Spain. (Ger) Plaza, J L *Ind Obst Gemuseverwert* 60 (19): 540-542. Oct 2, 1975

031857 389.8 K832
Fruit and vegetable processing industry in Israel. (Ger) Rosenstein, E *Ind Obst Gemuseverwert* 60 (19): 558-561. Oct 2, 1975

031858 389.8 K832
The canning industry of the United States in 1974. (Ger) *Ind Obst Gemuseverwert* 60 (19): 561-564. Oct 2, 1975

031859 389.8 K832
The fruit and vegetable processing industry of the Netherlands in 1974. (Ger) Gerritsen, L G *Ind Obst Gemuseverwert* 60 (19): 544-550. Oct 2, 1975

031860 389.8 K832
The Italian fruit and vegetable processing industry in 1974. (Ger) Gianni, G *Ind Obst Gemuseverwert* 60 (19): 550-551. Oct 2, 1975

031861 389.8 K832
The state of the canning industry in Japan. (Ger) Mitsui, Y *Ind Obst Gemuseverwert* 60 (19): 566-570. Oct 2, 1975

031862 389.8 K832
The Swiss canning industry in 1974. (Ger) Hodler, B *Ind Obst Gemuseverwert* 60 (19): 536-538. Oct 2, 1975

031863 16 IT1
A policy on [rural] youth. (Ita) Fischetti, B *Ital Agric* 112 (9): 23-27. Sept 1975

031864 16 IT1
Evaluation of the agricultural policy of the [European Economic] Community. 1. (Ita) *Ital Agric* 112 (9): 45-50. Sept 1975

031865 16 IT1
Evaluation of the agricultural policy of the [European Economic] Community. 2. (Ita) *Ital Agric* 112 (10): 24-43. Oct 1975

16 IT1
Young farmers and the structure policy [Land tenure, inheritance, family farms]. (Ita) Galizzi, G *Ital Agric* 112 (5): 60-73. May 1975

031866 SB436.J6
Current status of pesticide legislation. Johns, H *J Arboric* 1 (12): 227-229. Dec 1975

031867 389.9 C1632
Impressions from the World Food Conference [Food supply]. Milner, M *J Can Diet Assoc* 36 (4): 220-228. 1975

031868 321.8 J82
World food supplies and America's resources: a review. *J Home Econ* 67 (6): 4-6. Ref. Nov 1975

031869 275.9 N213
A course description: FS [Food science]-201 Man's Food, University of Florida. Appledorf, H *J Natl Assoc Coll Teach Agric* 19 (2): 75-76. June 1975

031870 275.9 N213
A hungry world: the challenge to agriculture [Food situation]. Youde, J G; Carter, H O *J Natl Assoc Coll Teach Agric* 19 (2): 8-12. Map. June 1975

031871 275.9 N213
Aspects of the food problem. Zarkin, D A *J Natl Assoc Coll Teach Agric* 19 (2): 20-21. June 1975

031872 275.9 N213
Con: a world food reserve system. Findley, P *J Natl Assoc Coll Teach Agric* 19 (2): 40-45. June 1975

031873 275.9 N213
Current facts, future needs: the world food situation as seen by FAO. Kimmel, D C *J Natl Assoc Coll Teach Agric* 19 (2): 50-53. June 1975

031874 275.9 N213
Expanding international agricultural research and development to meet the world food crisis. Beck, G H *J Natl Assoc Coll Teach Agric* 19 (2): 13-14. June 1975

031875 275.9 N213
Food production: problems and opportunities. Pickett, R C; Srinivasan, G *J Natl Assoc Coll Teach Agric* 19 (2): 30-33. June 1975

031876 275.9 N213
Land-grant college of agriculture's role in meeting the world food crisis. Manderscheid, L V *J Natl Assoc Coll Teach Agric* 19 (2): 60-62. Ref. June 1975

031877 275.9 N213
Population trends and food production potential. Fellows, I F *J Natl Assoc Coll Teach Agric* 19 (2): 68-72. June 1975

031878 275.9 N213
Priorities in agricultural economics as a result of the world food challenge. Ruttan, V W *J Natl Assoc Coll Teach Agric* 19 (2): 15-18. Ref. June 1975

031879 275.9 N213
Pro: a world food reserve system. Grant, J P *J Natl Assoc Coll Teach Agric* 19 (2): 36-39. June 1975

031880 275.9 N213
The people—food equation. Kendrick, J G; Patterson, E E *J Natl Assoc Coll Teach Agric* 19 (2): 54-59. Ref. June 1975

031881 275.9 N213
The private college focuses on world hunger [Agricultural research]. Karr, G L *J Natl Assoc Coll Teach Agric* 19 (2): 66-67. June 1975

031882 275.9 N213
The relevance of foreign agriculture [Development]. Withers, R V *J Natl Assoc Coll Teach Agric* 19 (2): 84-86. June 1975

031883 275.9 N213
The two-year agricultural junior college in response to the world food situation. Sandstedt, N *J Natl Assoc Coll Teach Agric* 19 (2): 62-63. June 1975

031884 275.9 N213
The university agricultural schools in response to the world food situation. Burger, O J *J Natl Assoc Coll Teach Agric* 19 (2): 64-65. June 1975

031885 275.9 N213
The world food situation. Butz, E L *J Natl Assoc Coll Teach Agric* 19 (2): 4-7. June 1975

275.9 N213
Weather variability: important factor in the food crisis. McQuigg, J D *J Natl Assoc Coll Teach Agric* 19 (2): 34-35. June 1975

031886 275.9 N213
World food situation: perspectives for students in agriculture. Arnold, R G; Hartung, T E *J Natl Assoc Coll Teach Agric* 19 (2): 72-74. June 1975

031887 68.29 C652
Negotiations of a new international coffee agreement. Kanyoko, S *Kenya Cof* 40 (472): 206-209. July 1975

031888 HD1491.G3K6
Course toward systematic growth of farm production [Policies, Poland]. (Ger) Kleist, H; Mertens, H *Kooperation* 9 (10): 464-465. Oct 1975

031889 HD1491.G3K6
High rates of increase of agricultural products in Romania until 1980 [Outlook]. (Ger) Kirchner, A *Kooperation* 9 (11): 518-519. Nov 1975

031890 SB193.A1L8
Attention to feed quality [Productive capacity of agriculture, pasture management]. (Rus) Ludin, A *Korma* 2: 11-12. Mar/Apr 1975

031891 SB193.A1L8
Effective exploitation of each hectare of land [Productive capacity of agriculture, Five-Year Plan, pasture management of sheep]. (Rus) Akynbaev, M *Korma* 2: 9-11. Mar-/Apr 1975

031892 11 L2322
Commercial swine production in the Soviet Union. (Dan) Holmgaard, P; Radum, A *Landbo Nyt* 29 (10): 572-573, 575, 577, 579-580. Oct 1975

031893 11 L236
Agriculture, an important food industry in Bjugn. (Nor) *Landbrukstidende* 81 (27): 599-600. July 5, 1975

031894 73.8 L542
[Resolution of] the Central Committee of the Communist Party of the Soviet Union and USSR Council of Ministers [about the increase of production and procurements of fiber ry of initial processing]. (Rus) *Len Konopliia* 3: 1-3. Mar 1975

031895 18 N39
Situation of agriculture. (Ger) Richter, L *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (19): 1041-1042. Oct 2, 1975

031896 44.8 M735
"Stock taking" of the milk policy [European Economic Community]. (Ger) Heiber, J *Molk-Ztg Welt Milch* 29 (45): 1257-1258. Nov 7, 1975

031897 S17.N4
Will New Zealand's agriculture be technically efficient in the future? Mitchell, K J *N Z Agric Sci* 9 (3): 98-104. Aug 1975

031898 41.8 N483
Man and his food [World food supply]. Johns, A T *N Z Vet J* 23 (12): 299-307. Dec 1975

031899 410 N56
Famine in the Sahel: A brief report on the disaster, its causes, and remedial policies. Haig, E F G *Niger Field* 40 (1): 23-40. Map. Mar 1975

031900 275.29 W27PN
1976 Pacific Northwest agricultural situation and outlook. Groder, R H; Harrington, A H; Sargent, R L; Adams, H P; Blanch, G E; Fischer, C M; Gardner, H E; Garren, R; Goetze, N R; Et Al; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 161, 21 P. Jan 1976

031901 1.9 EC752F PES
The energy situation and outlook for the poultry and egg industries. Rogers, G B; Benson, V W; Van Dyne, D L; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* PES-288: 23-25. Dec 1975

031902 SF481.P64
Wanted, a national plan on poultry feeding [Policies]. Sathe, B S *Poult Guide* 12 (11): 17-22. Nov 1975

031903 43.9 N212
Agriculture and the Washington scene [Beef cattle industry, marketing, outlook]. Van Vleck, G *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 63-71. 1975

031904 281.9 B87
Cereals in the world. II. A difficult standardization. (Fre) Cordonnier, J M *Prod Agric Fr* 51 (178): 9, 11. Oct 15, 1975

031905 21 R862
Romanian agriculture in the years of buildng up of socialism. (Rum) Miculescu, A *Prod Veg Cereale Plante Teh* 26 (8): 3-7. Aug 1974

031906 21 R862
State agriculture on the path of intensive development. (Rum) Popescu, B *Prod Veg Cereale Plante Teh* 26 (8): 18-22. Aug 1974

031907 6 T311
Can agriculture provide an answer to the U.S. Energy crisis? [Fuel]. Scruggs, C G *Prog Farmer (Birmingham)* 90 (11): 21-22. Nov 1975

031908 6 T311
Surprise land use law raises flood of fears. Deterling, D *Prog Farmer (Birmingham)* 90 (11): 66-67. Nov 1975

031909 22.5 N687
A study on new dual system of the rural sector in relation to the Green Revolution. (Jpn) Kamiya, M *Q J Agric Econ* 29 (4): 1-29. Oct 1975

031910 49 P943
Achievements and outlook in the meat industry. (Rum) Medaru, G *Rev Cresterea Anim* 26 (5): 76-78. June 1975

031911 TP659.R4
The German spirits industry at the limits of growth. (Fre) *Rev Embouteillage Indus Cond Trait Distrib Transp* 155: 27, 29, 31. Nov 1975

031912 44.8 F33
Dairy industry in the Paraibuna Valley Micro Region. (Por) Barbosa, H D C *Rev Inst Laticin Candido Tostes* 30 (179): 3-11. May/June 1975

031913 9.4 R32
Considerations on the program of integrated rural development and the national food and nutrition plan [Colombia]. (Spa) Gonzalez M, C J *Rev Nac Agric* 68 (816): 28, 30. June 30, 1975

031914 9.4 R32
The brown sugar and coffee industries [Productive capacity, outlook, Colombia]. (Spa) Chalarca, J *Rev Nac Agric* 68 (813): 6-9. Mar 1975

031915 9.4 R32
23,500 tons of sesame in 1975 [Productive capacity, Colombia]. (Spa) *Rev Nac Agric* 68 (813): 10-13. Mar 1975

S7.O8
Anticommunity land settlement: concept and problem [Legislation, Austria]. (Ger) Bach, H; Jeschke, H P *Schriftenr Agrarsoziologie Agrarrecht* 18, 142 P. Ref. 1975

031916 60.38 SO9
Soybean outlook: bearish. Jobman, D *Soybean Dig* 36 (2): 6-7. Dec 1975

57.9 ST52
Animal production and the world food situation. (Dut) Iwema, S *Stikstof ('S Grav)* 80 (7): 247-248. Sept 1975

031917 9.6 SU7
Agricultural policy; a vision on objectives and means. (Dut) Alvares, K; Caldeira, W; Joe, W C; Hooplot, J; Jagbandhan, A; Luttjehuizen, P; Mihardja, A; Romondt, R von; Sewpersad, R *Surinaam Landbouw* 23 (2): 57-75. Eng. Sum. 1975

031918 9.6 SU7
Animal husbandry in Surinam and its development. Alvares, H C; Tjong A Hung, A R *Surinaam Landbouw* 23 (2): 76-84. 1975

031919 275.249 G81
Manpower in Greek agriculture: development perspectives to 1981. (Gre) Ziogas, Ch; Gazelas, E *Synchronos Georgia* 4: 103-111. July/Aug 1975

031920 11 T43
Problems in future agricultural policy in Scandinavia. (Dan) Thomsen, C *Tidsskr Landokon* 162 (4): 291-295, 297-306. 1975

031921 49 T443
The development of livestock production in the USSR since 1965. (Ger) Gruneberg, G *Tierzucht* 29 (9): 387-389. Sept 1975

031922 SB111.A2T72
Developments and endeavors in India's agriculture. (Ger) Ruppert, H R P *Tropenlandwirt* 76: 59-66. Ref. Eng. Sum. Oct 1975

031923 80 T817
Outcome of the energy cost explosion in relation to our position in international horticultural competition. 2. (Dut) Avermaete, U *Tuinbouwberichten* 39 (6): 243. June 1975

031924 41.8 V6439
Ensurance of the 1975 plan in the organization of the Czechoslovakian State Veterinary Board [Five-Year Plan]. (Cze) Polak, L *Veterinarstvi* 25 (3): 100-104. 1975

031925 41.8 V6439
Further dynamic but effective development of animal production [Economic aspects]. (Slo) Hucko, J *Veterinarstvi* 25 (3): 97-99. 1975

41.8 V6439
Legal regulation of breeding and reproduction of farm animals. (Slo) Pleva, J; Cabadaj, R; Szabo, M *Veterinarstvi* 25 (6): 274-275. 1975

031926 41.8 V6439
On development and prospects of the food industry. (Cze) Besta, J *Veterinarstvi* 25 (8): 341-342. 1975

031927 41.8 V6439
Outlook for mechanization of animal production in the sixth Five-Year Plan. (Cze) Cakajda, E *Veterinarstvi* 25 (7): 289-291. 1975

031928 20 V82
On some economic results of chemicalization of agriculture in the Ukraine. (Ukr) Mosiiuk, P O *Visn Sil's'kohospod Nauki* 11: 107-108. Nov 1975

389.8 V85
Planning activities in the area of nutrition legislation. (Dut) Schuddeboom, L J *Voeding* 36 (9): 477-482. Sept 15, 1975

031929 95.8 W435
Preparation of a global grape and wine policy. Grape culture. (Ger) Huglin, P *Weinberg Keller* 22 (11/12): 485-490. Nov/Dec 1975

031930 1 AG84Y
George Harrar sets off the Green Revolution [Rural development programs, Mexico]. Uribe, I; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 312-322. 1975

031931 1 AG84Y
Lincoln and the liberation of the man on the land [Legislative history]. Rasmussen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 23-30. 1975

031932 1 AG84Y
The people—food [supply] race, and how to win it. Marks, J J; Fortmann, H R; Kendrick, J B; Wittwer, S H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 345-350. 1975

031933 281.8 Z32
From the protein crisis to a food crisis. New dimensions ofthe world food problem. (Ger) Kracht, U *Z Ausl Landwirtsch* 14 (3): 205-224. Ref. Eng. Sum. July/Sept 1975

031934 281.8 Z32
Limits of knowledge, shortcomings in scientific journalism [World food supply]. (Ger) Blanckenburg, P von *Z Ausl Landwirtsch* 14 (3): 203-204. July/Sept 1975

031935 281.8 Z32
National foodgrain stock policies in developing countries in the context of world food security. Teutem, O van *Z Ausl Landwirtsch* 14 (3): 225-237. July/Sept 1975

031936 SB183.Z4
Plans and achievements of Briansk grain farmers. (Rus) Pankov, E A; Garbuz, M; Kuznetsov, I; Kos'ianchuk, A *Zern Maslichn Kul't* 8: 7-10. Aug 1975

031937 SB183.Z4
Plans of the Gorky province farmers. (Rus) Liagasov, A I; Kanashchenko, A G; Baranov, A I; Kodanev, I M; Chistiakov, A V *Zern Maslichn Kul't* 7: 8-12. July 1975

031938 SB183.Z4
Some problems of cereal production in Kazakhstan. (Rus) Burlakov, IU M *Zern Maslichn Kul't* 7: 13-16. July 1975

031939 65.8 Z82
Current problems of trade policy and raw material economy [in sugar industry]. (Ger) Steeg, H *Zucker* 28 (12): 651-654. Dec 1975

031940 11 T58
Danish swine production. (Dan) Sorensen, J E *12Mandsbladet* 47 (8): 359-360. Aug 1975

CONSUMER PROTECTION

031941 14 P215BC
Toxigenic power of Aspergillus flavus producing aflatoxin [Food contamination]. (Fre) Jacquet, J; Tantaoui, E; Boutitbonnes, P *Acad Agric Fr C R Seances* 61 (7): 374-380. 1975

031942 1 AG84AH
USDA [grade] standards for food and farm products. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 341, 15 P. Nov 1974

031943 24 EG94
Incidence of Clostridia as gas forming agent in Domiati cheese. Fahmy, T K; Youssef, L M *Agric Res Rev* 52 (7): 233-236. July 1974 (Pub. 1975)

16 AG8226
The grain goes to the radiologist [Insect pest and food quality control]. (Ita) Tirelli, M *Agricoltura* 24 (5): 27-34. May 1975

031944 44.8 AM38
Penicillin-testing program focuses on contaminated milk. Nielsen, V H *Am Dairy Rev* 37 (12): 30, 32. Dec 1975

031945 306.8 AM3
Rot-proofing properties of chemically modified cotton fabrics. Amin, S A; Kharadly, E A; Kamel, M *Am Dyest Rep* 64 (11): 21-22. Ref. Nov 1975

031946 SF998.A1A55
Amnesty bins, a valuable adjunct to quarantine inspections [Animal and plant products]. *Anim Quar* 4 (2): 1-3. Sept 1975

16 M582
Quality wines in Italian and European Economic Communuty legislation [Labeling]. (Ita) Sforza Fogliani, C *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 27-55. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

031947 16 M582
Residues of 2-imidazolidine-thione (ethylenethiourea) in musts and wines. (Ita) Colagrande, O; Del Re, A; Natali, P; Rocchetta, R *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 287-298. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

031948 448.3 AP5
Growth potential of clostridium botulinum in fresh mushrooms packaged in semipermeable plastic film [Food contamination]. Sugiyama, H; Yang, K H *Appl Microbiol* 30 (6): 964-969. Ref. Dec 1975

031949 448.3 AP5
Heat resistance of ileal loop reactive Bacillus cereus strains isolated from commercially canned food. Bradshaw, J G; Peeler, J T; Twedt, R M *Appl Microbiol* 30 (6): 943-945. Ref. Dec 1975

031950 448.3 AP5
Microbial inhibition by an isolate of Pediococcus from cucumber brines. Fleming, H P; Etchells, J L; Costilow, R N *Appl Microbiol* 30 (6): 1040-1042. Dec 1975

031951 AS21.A75U53
A durable flame-retardant finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. Donaldson, D J; Normand, F L; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 45-46. Dec 1975

031952 AS21.A75U53
An effective ammonia reactor for the continuous production of fire-retardant cottou fabrics. Perkins, R M; Calamari, T A; Moore, H B; Schreiber, S P; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 52-65. Dec 1975

031953 AS21.A75U53
Effects of milk on fire-retardant cotton fabric. Bullock, A L; Carter, M E; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 15-16. Dec 1975

031954 AS21.A75U53
Electron microscopy of flame-resistant fabrics [Cotton]. Goynes, W R; Boylston, E K; Muller, L L; Trask, B J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 79-80. Dec 1975

031955 AS21.A75U53
Flame-retardant cotton and synthetic fabric blends. St Mard, H H; Hamalainen, C; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 13-14. Dec 1975

031956 AS21.A75U53
Meeting the mattress flammability standard with treated cotton batting. Neumeyer, J P; Koenig, P A; Knoepfler, N B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 70-78. Dec 1975

031957 AS21.A75U53
New or unusual approaches to flameproofing [Cotton, textiles]. Frank, A W; Gonzales, E J; Margavio, M F; Vail, S L; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 47-48. Dec 1975

031958 AS21.A75U53
Oxyluminescent behavior of flame-retardant cottons. Pittman, R A; Heinzelman, D C; Tripp, V W; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 68-69. Dec 1975

AS21.A75U53
Proceedings of the 13th cotton utilization research conference, New Orleans, Louisiana, May 14-16, 1973 [Flameproofing fabrics, processing]. U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64, 80 P. Ref. Dec 1975

AS21.A75U53
Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, Cherry Hill, New Jersey, October 20-22, 1974. Clarke, M A ed; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88, 154 P. Ref. Dec 1975

031959 AS21.A75U53
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(-hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. Weiss, L C; Andrews, F R; Hassenboehler, C B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 66-67. Dec 1975

031960 AS21.A75U53
The effects of dyes on the flame retardancy of cotton fabric. Segal, L; Timpa, J D; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 49-51. Dec 1975

031961 AS21.A75U53
Trace constituents in molasses [Heavy metal contaminants and organochlorine pesticide residues]. Morriss, A C; Nicol, W M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 116-124. Dec 1975

031962 442.8 AU7
A comparison of strontium selenite broth and mannitol-selenite-cystine broth in the isolation of salmonellae from egg products. Chandler, R A *Aust J Exp Biol Med Sci* 53 (1): 329-331. Aug 1975

031963 47.8 B262
Problems related to the guarantee of natural losses of baby chicks. (Hun) Szecsenyi, I *Baromfitenyesztes* 19 (11): 10-11. Nov 1975

031964 47.8 B262
The quality of goose feather. (Hun) Szeker, I *Baromfitenyesztes* 19 (11): 14. Nov 1975

18 G31A
Evaluation of the results and outlook [Milk production, quality, sanitation]. (Ger) Tolle, A *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 234-238. 1975

031965 18 G31A
Preliminary remark to the problem area I: Milking and quality. (Ger) Tolle, A *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 13-14. 1975

031966 18 G31A
The development of an automated analytical system for the determination of somatic cells in milk [Quality, sanitation]. (Ger) Heeschen, W; Tolle, A; Reichmuth, J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 156-178. Ref. Eng. Sum. 1975

031967 18 G31A
The development of an automated system of analysis for the determination of the bacteriological quality of milk. (Ger) Heeschen, W; Tolle, A; Suhren, G; Reichmuth, J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 179-214. Ref. Eng. Sum. 1975

031968 18 G31A
The interpretation of somatic cell counts in milk [Sanitation]. (Ger) Reichmuth, J; Tolle, A; Heeschen, W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 215-233. Ref. Eng. Sum. 1975

031969 424.8 B53
Inspection of honey from the producer at Honey Central. (Nor) Villumstad, E *Birokteren* 91 (10): 192-194. Oct 1975

031970 436.9 C43
Intestinal parasites and commensal protozoa in foodhandlers from the central area of the city of Concepcion, Chile [Food sanitation]. (Spa) Dall'Orso, L M; Pinilla, N; Parra, G; Bull, F *Bol Chil Parasitol* 30 (1/2): 30-31. Eng. Sum. Jan/June 1975

031971 41.9 AZ1
A study on quality control in the dairy industry. (Jpn) Takemura, K *Bull Azabu Vet Coll* 29: 37-57. Ref. Eng. Sum. Jan 1975

031972 41.9 AZ1
Hygienic studies on microbial flora of foods. (Jpn) Kaneko, S *Bull Azabu Vet Coll* 29: 135-170. Ref. Eng. Sum. Jan 1975

031973 41.9 AZ1
Studies on the administration of food sanitation, especially for the theoretical development of probability process [Inspection]. (Jpn) Takahashi, H *Bull Azabu Vet Coll* 29: 1-35. Ref. Eng. Sum. Jan 1975

031974 41.9 AZ1
Studies on the administration of food sanitation: an attempt to the establishment of a methodology for quantitative administrative hygiene [Inspection]. (Jpn) Tanaka, H *Bull Azabu Vet Coll* 29: 155-134. Ref. Eng. Sum. Jan 1975

107.6 Y14
On the volatile bases and the volatile fatty acids in pork during the storage at low temperatures [Keeping quality]. (Jpn) Nakano, K *Bull Fac Agric Yamaguti Univ* 26: 197-210. Ref. Eng. Sum. 1975

TS2120.B8
Assessment of storage losses, quality and pesticidal contamination in wheat available in the markets of western Uttar Pradesh, Punjam and Haryana. 5. Girish, G K; Jain, S K; Kumar, A; Agrawal, N S *Bull Grain Technol* 13 (1): 8-18. Apr 1975

031975 295.9 IN7
Quality problems of fish frozen aboard. Amano, K *Bull Inst Int Froid* 1 (Suppl.): 271-277. 1974

031976 41.8 OF2
Survival of foot-and-mouth disease virus in milk and milk products. Callis, J J; Hyde, J L; Blackwell, J H; Cunliffe, H R *Bull Off Int Epizoot* 83 (3/4): 183-191. Ref. Mar/Apr 1975

031977 41.8 C162
Lead and mercury residues in kidney and liver of Canadian slaughter animals. Prior, M G *Can J Comp Med* 40 (1): 9-11. Jan 1976

031978 449.8 P964
Criteria and procedures for implicating Clostridium perfringens in food-borne outbreaks. Hauschild, A H W *Can J Public Health* 66 (5): 388-392. Ref. Sept/Oct 1975

031979 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* HF 76/5, 8 P. Dec 1975

031980 389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* HF 76/6, 16 P. Dec 1975

031981 59.8 C33
Measurement of the size and size distribution of milled rice [Grading, standards]. Stermer, R A; Daigger, G C *Cereal Chem* 53 (1): 20-27. Jan/Feb 1976

031982 382 C4223
Reactions of nitrous acid and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents [Food additives, meats]. Bonnett, R; Charalambides, A A; Martin, R A; Sales, K D; Fitzsimmons, B W *Chem Commun* 21: 884-885. 1975

41.8 C61
Trials to isolate viral agents [Newcastle virus] from chicken meats; thoughts on their characteristics. (Ita) Di Modugno, G; Maiolino, R; Lucisano, A *Clin Vet* 98 (10): 440-443. Eng. Sum. Oct 1975

031983 T59.C6
International standardization of fruits, vegetables and their derived products [Grading]. (Fre) Majlert, W *Courr Norm* 42 (242): 155-158. Mar/Apr 1975

031984 TP368.C7
Food borne illness from Clostridium perfringens. Walker, H W *CRC Crit Rev Food Technol (Chem Rubber Co)* 7 (1): 71-104. Ref. 1975

TP368.C7
Photooxidation of milk and milk products: a review. Sattar, A; DeMan, J M *CRC Crit Rev Food Technol (Chem Rubber Co)* 7 (1): 13-37. Ref. 1975

031985 41.8 EC7
Hygiene of fish and shellfish [Contamination]. (Fre) *Econ Med Anim* 16 (3): 149-162. May/June 1975

031986 290.9 M57
Comparison of microbiological methods for the quality evaluation of soft drinks. (Hun) Torok, T; Fabri, I; Lendvai, I *Elelmez Ipar* 29 (9): 272-276. Eng. Sum. Sept 1975

031987 290.9 M57
Standardisation of the sensoric evaluation of foods. (Hun) Szilagyi, J; Katona, L *Elelmez Ipar* 29 (10): 303-306. Ref. Eng. Sum. Oct 1975

031988 RA565.E58
Molybdenum—a toxicological appraisal [Man and animals]. Friberg, L; Boston, P; Nordberg, G; Piscator, M; Robert, K H *Environ Health Eff Res Ser EPA* 600/1-75-004, 141 P. Ref. Nov 1975

031989 A321.9 R31
Convenience and the cost of baked products. Collier, Linda; Odland, Dianne *Fam Econ Rev* P. 14-16 Spring 1975

031990 A321.9 R31
Economical meals for a month. Cromwell, Cynthia; McGeary, Bernice *Fam Econ Rev* P. 11-31 Fall 1975

031991 28 F73
Pesticide residues in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. Food and Agriculture Organization of the United Nations *FAO Agric Stud* 97, 37 P. 1975

031992 TX341.F3
Washing does not affect bloom or keeping quality of lamb carcasses. Kelly, C A *Farm Food Res* 6 (5): 113-115. Sept/Oct 1975

031993 TX501.A1U55
Safety of light-activited chemical substances in foods, drugs, and cosmetics. Marzulli, F N *FDA By-Line Food Drug Adm* 6 (3): 135-141. Ref. Nov 1975

031994 280.38 F62
A comparison of bacteriological methods of examining the hygienic status of frozen fish products. (Ger) Priebe, K *Fleischwirtschaft* 55 (11): 1537-1538. Nov 1975

031995 280.38 F62
Advice on calculations and conversions when applying the meat and meat products regulations. (Ger) Belica, J *Fleischwirtschaft* 55 (9): 1216-1218. Sept 1975

031996 280.38 F62
An entomological contribution to the problem of fly-infected meat. A few biological data on Piophila and Calliphora. (Ger) Blumel, B *Fleischwirtschaft* 55 (10): 1405-1408. Ref. Oct 1975

280.38 F62
Are there residue problems with spices? (Ger) Gerhardt, U; Roth, B *Fleischwirtschaft* 55 (9): 1287-1290, 1293. Ref. Eng. Sum. Sept 1975

031997 280.38 F62
Checks on ready packaging in accordance with the new ready-packaging regulations [Meat]. (Ger) Sacht, H J *Fleischwirtschaft* 55 (9): 1231-1234, 1236-1239. Sept 1975

031998 280.38 F62
Detecting the addition of phosphates to meat products. (Ger) Gerhardt, U; Rein, H W *Fleischwirtschaft* 55 (10): 1396-1398. Ref. Oct 1975

280.38 F62
Detection of Yersinia enterocolitica in the feces and meat of pigs, bovines and poultry. (Ger) Leistner, L; Hechelmann, H; Kashiwazaki, M; Albertz, R *Fleischwirtschaft* 55 (11): 1599-1602. Ref. Eng. Sum. Nov 1975

031999 280.38 F62
Evaluating sea mussels in the consumer area on the basis of food regulations [Seafood]. (Ger) Kraus, H *Fleischwirtschaft* 55 (10): 1463-1465. Ref. Eng. Sum. Oct 1975

032000 280.38 F62
Examination of slaughter swine for pesticide and arsenic residues. (Ger) Knoppler, H O; Donnerbauer, H J; Philipp, A *Fleischwirtschaft* 55 (10): 1460-1462. Ref. Eng. Sum. Oct 1975

032001 280.38 F62
Examining and judging sausage rolls. (Ger) Stamm, H *Fleischwirtschaft* 55 (11): 1571-1573. Ref. Eng. Sum. Nov 1975

032002 280.38 F62
Factors arising during distribution and sale that make meat and meat products unattractive or repulsive to the buyer. (Ger) Scheunemann, H *Fleischwirtschaft* 55 (11): 1534-1537. Nov 1975

032003 280.38 F62
Investigations of salmonellosis in poultry offered for sale. (Ger) Oberhauser, M *Fleischwirtschaft* 55 (10): 1424. Oct 1975

032004 280.38 F62
Official limits to storage times for prepacked meat and sausage products. (Ger) Tandler, K *Fleischwirtschaft* 55 (10): 1394-1396. Oct 1975

032005 280.38 F62
Sulphhydryl and disulphide groups in PSE [pale, soft, exudative] meat [Pork]. (Ger) Fischer, C; Hamm, R *Fleischwirtschaft* 55 (9): 1295-1296. Eng. Sum. Sept 1975

032006 280.38 F62
The determination of 3,4-benzopyrene in smoked meat products [Contamination]. (Ger) Potthast, K *Fleischwirtschaft* 55 (11): 1511-1515. Ref. Nov 1975

032007 280.38 F62
The present method of classification of pork sides in the EEC [European Economic Community]. (Ger) Schon, L; Bach, H *Fleischwirtschaft* 55 (9): 1174-1775. Sept 1975

032008 280.38 F62
The problem of effective inspection of meat for harmful substances. (Ger) Kreuzer, W *Fleischwirtschaft* 55 (11): 1539-1542. Nov 1975

032009 280.38 F62
The use of sequential test plans for factory supervision of the quality of meat products. 2. Examples of the use of sequential three-decision plans. (Ger) Hildebrandt, G; Kretschmer, F J; Weiss, H *Fleischwirtschaft* 55 (11): 1595-1599. Ref. Eng. Sum. Nov 1975

032010 391.8 F73
Biological testing of food grown in the Transkei [Rats]. Purchase, I F H; Tustin, R C; Rensburg, S J van *Food Cosmet Toxicol* 13 (6): 639-647. Ref. Dec 1975

032011 391.8 F73
Dimethylnitrosamine in souse and similar jellied cured-meat products. Fiddler, W; Feinberg, J I; Pensabene, J W; Williams, A C; Dooley, C J *Food Cosmet Toxicol* 13 (6): 653-654. Ref. Dec 1975

032012 391.8 F73
Observations on the oral administration and toxicity of vinyl chloride in rats [Nutrition and food research]. Feron, V J; Speek, A J; Willems, M I; Battum, D van; Groot, A P de *Food Cosmet Toxicol* 13 (6): 633-638. Ref. Dec 1975

032013 391.8 F73
Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial production of proteins]. Groot, A P de; Meulen, H C Dreef-van der; Til, H P; Feron, V J *Food Cosmet Toxicol* 13 (6): 619-627. Dec 1975

032014 389.8 F736
Overcoming the bird [pests] problem [in food manufacturing]. Jenkins, D L *Food Manuf* 50 (12): 29. Dec 1975

032015 389.8 F736
Preventing mice infestations [in bakery]. Bateman, P L G *Food Manuf* 50 (12): 24, 47. Dec 1975

032016 HD9000.1.F64
Anodic stripping voltammetry—a new, simple answer for lead residue analysis [in food]. Zink, E W; Askew, L R *Food Prod Dev* 9 (10): 48, 50, 54, 58-59. Ref. Dec 1975

032017 HD9000.1.F64
Balancing the costs and benefits of nutrient labeling. Hopper, P F *Food Prod Dev* 9 (9): 48, 50. Nov 1975

032018 HD9000.1.F64
Correlation of organoleptic [quality] evaluation with chemical and microbiological tests in oysters. Liuzzo, J A; Novak, A F *Food Prod Dev* 9 (8): 57. Oct 1975

032019 HD9000.1.F64
FDA [Food and Drug Administration] reports on heavy metals in foods, need for reductions in certain areas. O'Brien, M T *Food Prod Dev* 9 (9): 14. Nov 1975

032020 HD9000.1.F64
FDA's [Food and Drug Administration] plan for quality assurance in the food industry. Angelotti, R *Food Prod Dev* 9 (10): 14, 16, 18. Dec 1975

032021 HD9000.1.F64
Microbiological standards—are they realistic? [Quality or safety of fresh or processed meats]. Hill, W M *Food Prod Dev* 9 (10): 38, 43, 46. Dec 1975

032022 HD9000.1.F64
Self-generated safety assurance dictated by S. 641 [the Staff Working Draft of the Consumer Food Act of 1975]. O'Brien, M T *Food Prod Dev* 9 (10): 68, 71. Dec 1975

032023 HD9000.1.F64
Sweeteners [as food additives]-a study in regulatory lore. Becker, R H *Food Prod Dev* 9 (9): 26, 28, 30. Nov 1975

032024 HD9000.1.F64
Weighing the risks and responsibilities of a HACCP [Hazard Analysis Critical Control Point] inspection [Food processing]. O'Brien, M T *Food Prod Dev* 9 (10): 16, 18. Dec 1975

032025 298.8 M292
Tests for judgement of aptitude to be organoleptical examiner [Food grading]. (Hun) Bende, E; Szabo, A *Gabonaipar* 22 (6): 224-226. Ref. 1975

032026 298.8 G33
Results of the 17th quality test and evaluation of bread and other baked products by the German Agricultural Association. (Ger) Seibel, W *Getreide Mehl Brot* 29 (10): 245-250. Map. Oct 1975

298.8 G33
[Pesticide] residues in milled products of durum wheat. (Ger) Hertel, W *Getreide Mehl Brot* 29 (7): 182-185. July 1975

032027 87 G75
Current state, trends and problems relating to grading apples [by various countries]. (Bul) Dzhuvinov, V *Hortic Vitic Sci* 12 (5): 3-12. Ref. 1975

032028 50.8 H95
Tasks in order to meet requirements of meat hygiene. (Hun) Berszan, G *Husipar* 24 (5): 207-211. Ref. Eng. Sum. Sept/Oct 1975

032029 50.8 H95
Taste identification experiments for choosing persons for organoleptical examinations [of food]. (Hun) Szabo, A; Bende, E *Husipar* 24 (5): 226-229. Eng. Sum. Sept/Oct 1975

032030 RA565.M3
Infectious disease from food. Dupont, H L; Hornick, R B *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 223-246. Ref. 1974

032031 RA565.M3
Infectious diseases from water. Taylor, A; McCabe, L J; Gangarosa, E J; Schultz, M G *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 284-304. Ref. 1974

032032 SF539.H66
Honey quality control [including adulteration detection]. Rodgers, P E W *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 314-325. 1975

032033 SF539.H66
Honey standards legislation [Quality control]. Fasler, A *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 329-354. 1975

SF539.H66
Microscopy of honey [Analysis, adulteration]. Maurizio, A *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 240-257. 1975

032034 HC115.O316
Consumerism and consumer protection. Bond, D E *In Issues in Canadian Economics. L. H. Officer & L. B. Smith, eds.* P. 96-106. 1974

032035 QP141.A1W4 1974
A new look at environment and gastric cancer. Weisburger, J H; Raineri, R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 263-267. Ref. 1974 (Pub. 1975)

032036 QP141.A1W4 1974
Current concepts in the nutrient design of foods [Regulatory policies and procedures]. Moore, J L *In Proceedings Western Hemisphere Nutrition Congress* 4th: 220-227. Ref. 1974 (Pub. 1975)

032037 QP141.A1W4 1974
Current research on mycotoxins: a status report [Food contaminants]. Wogan, G N *In Proceedings Western Hemisphere Nutrition Congress* 4th: 389-396. Ref. 1974 (Pub. 1975)

032038 QP141.A1W4 1974
Effects of Codex Alimentarius on food design [Food standards, food laws]. Chapman, D G *In Proceedings Western Hemisphere Nutrition Congress* 4th: 215-219. 1974 (Pub. 1975)

032039 QP141.A1W4 1974
Food and water contamination with heavy metals. Chisolm, J J Jr *In Proceedings Western Hemisphere Nutrition Congress* 4th: 253-257. Ref. 1974 (Pub. 1975)

032040 QP141.A1W4 1974
Food design and consumer needs. Labuza, T P *In Proceedings Western Hemisphere Nutrition Congress* 4th: 235-236. 1974 (Pub. 1975)

032041 QP141.A1W4 1974
Food design and consumer needs (toward the development of international superfoods). Jerome, N W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 236-238. 1974 (Pub. 1975)

032042 QP141.A1W4 1974
Food design and consumer needs. Egan, M C *In Proceedings Western Hemisphere Nutrition Congress* 4th: 238-240. 1974 (Pub. 1975)

032043 QP141.A1W4 1974
Food design and consumer needs (Latin America and the Caribbean). Daza, C H *In Proceedings Western Hemisphere Nutrition Congress* 4th: 241-244. 1974 (Pub. 1975)

032044 QP141.A1W4 1974
Impact of food and water contamination on gestation and infant growth. Arena, J M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 258-262. 1974 (Pub. 1975)

032045 SF95.W3 1975
Waste and health protection. Simpson, H D *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 228-232. 1975

032046 389.8 K832
Business stipulations for trade with fruit and vegetables [Quality control]. (Ger) Haupt, H G *Ind Obst Gemuseverwert* 60 (15): 432-433. Aug 7, 1975

032047 389.8 K832
Modifications and amendments to the standards for canned fruits in the German Food Codex. (Ger) Nehring, P *Ind Obst Gemuseverwert* 60 (15): 423-424. Aug 7, 1975

032048 389.8 K832
New legal regulations [Food]. (Ger) Haupt, H G *Ind Obst Gemuseverwert* 60 (16): 461-466. Aug 21, 1975

032049 389.8 K832
Quality control of the 1975 wild mushroom and berry crops in the Bavarian Forest—characteristics of wild raspberry juices. (Ger) Botticher, W; Schone, H J *Ind Obst Gemuseverwert* 60 (23): 669-674. Ref. Dec 4, 1975

032050 389.8 K832
Standards for canned fruit in the German Food Codex. (Ger) *Ind Obst Gemuseverwert* 60 (15): 425-432. Aug 7, 1975

032051 22 IN283
Quality control [of fish] from catch to dining table. Mathen, C *Indian Farming* 25 (7): 26-28. Oct 1975

032052 389.8 IN25
Psoralens in foods [Man, toxicity, melanogenesis]. Ramaswamy, S *Indian Food Pack* 29 (4): 37-46. Ref. July/Aug 1975

032053 44.8 IN28
Changes in the whey protein fraction in mastitis milk, colostrum and drying off secretions. Singh, L N; Ganguli, N C *Indian J Dairy Sci* 28 (4): 273-277. Ref. Dec 1975

032054 44.8 IN28
Observations on the microbial quality of some indigenous concentrated milk products. Singh, K; Ogra, J L; Rao, Y S *Indian J Dairy Sci* 28 (4): 304-305. Dec 1975

032055 44.8 IN28
Spontaneous appearance of staphylococcal variants during vacuum concentration of reconstituted skim milk. Ghodekar, D R; Nambudripad, V K N *Indian J Dairy Sci* 28 (4): 306-308. Ref. Dec 1975

032056 44.8 IN28
Studies on the survival of thermophilic bacteria during manufacture and storage in dried milks. Reddy, P C; Atwal, J S; Srinivasan, R A *Indian J Dairy Sci* 28 (4): 289-295. Ref. Dec 1975

032057 SF481.I55
Microbiological aspects of poultry processing [Food contamination]. Mulder, R W A W *Indian Poult Rev* 7 (1): 93-98. Aug 15, 1975

032058 65.8 IN26
New sugar standards [Quality]. Chatterjee, A C *Indian Sugar* 25 (7): 615-619. Oct 1975

464.8 IN3
"Security times" [residue] research of some pesticides usedon strawberry. (Ita) Pancaldi, D; Vismara, C; Lugaresi, C *Inf Fitopatol* 25 (7): 15-20. Eng. Sum. July 1975

464.8 IN3
Technical and sanitary aspects on the control of brown rot [Monilia] of peaches and plums [Fungicide residues]. (Ita) Vismara, C; Ponti, I; Bencivelli, A; Musacci, P *Inf Fitopatol* 25 (9): 15-19. Eng. Sum. Sept 1975

032059 HD9000.1.I53
Cleaning and sanitizing meat trailers [Control of microbialcontamination in transport]. Hoke, K E *Int Conf Handling Perish Agric Commod* 27th: 83-87. 1975

032060 HD9000.1.I53
Destination inspection out-turn in view of the 1974 Conference [on Handling Perishable Agricultural Commodities]. Van Keuren, W E *Int Conf Handling Perish Agric Commod* 27th: 41-44. 1975

032061 HD9000.1.I53
Inspection of fresh meat at destination. Del Selva, J E *Int Conf Handling Perish Agric Commod* 27th: 110-114. 1975

032062 HD9000.1.I53
Lettuce: destination inspections—why and how. Van Keuren, W E *Int Conf Handling Perish Agric Commod* 26th: 71-75. 1974

032063 HD9000.1.I53
Origin inspecting and reporting [of perishable agricultural commodities]. Massey, L M Jr *Int Conf Handling Perish Agric Commod* 26th: 67-70. 1974

032064 HD9000.1.I53
Preparation and handling of meat and meat food products [Inspection standards and regulations]. Snyder, G R *Int Conf Handling Perish Agric Commod* 27th: 61-64. 1975

032065 385 AG8
Application of both paper disk assay method and TTC [triphenyltetrazolium chloride] test for the detection of antibiotics in eggs. (Jpn) Sato, Y; Nakamura, R *J Agric Chem Soc Jap* 49 (12): 661-663. Eng. Sum. Dec 1975

381 J8223
Behavior and fate of ethylenethiourea in plants [Dithiocarbamate fungicides, residues, vegetables]. Hoagland, R E; Frear, D S *J Agric Food Chem* 24 (1): 129-133. Ref. Jan/Feb 1976

032066 381 J8223
Determination of lead, cadmium, and zinc in sugar [for possible contamination]. Morris, N M; Clarke, M A; Tripp, V W; Carpenter, F G *J Agric Food Chem* 24 (1): 45-47. Jan/-Feb 1976

032067 381 J8223
Gas chromatographic analysis of neodecanoic acids in onions [Desiccants, residues]. Gilbert, M D; Maylin, G A; Lisk, D J *J Agric Food Chem* 24 (1): 194-195. Jan/Feb 1976

381 J8223
Irradiation studies of mallard duck eggs material containing the insecticide] mirex [Degradation]. Lane, R H; Grodner, R M; Graves, J L *J Agric Food Chem* 24 (1): 192-193. Jan/Feb 1976

032068 381 J8223
Isolation of Gonyaulax tamarensis toxins from soft shell clams (Mya arenaria) and a thin-layer chromatographic-fluorometric method for their detection. Buckley, L J; Ikawa, M; Sasner, J J Jr *J Agric Food Chem* 24 (1): 107-111. Ref. Jan/Feb 1976

032069 381 J8223
Metabolism of zearalenone by Fusarium roseum graminearum [Food, feed, contamination]. Steele, J A; Mirocha, C J; Pathre, S V *J Agric Food Chem* 24 (1): 89-97. Ref. Jan/-Feb 1976

032070 381 J8223
National marine fisheries service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and arsenic content [Contamination]. Zook, E G; Powell, J J; Hackley, B M; Emerson, J A; Brooker, J R; Knobl, G M Jr *J Agric Food Chem* 24 (1): 47-53. Ref. Jan/Feb 1976

381 J8223
Protein and amino acid changes in peanut (Arachis hypogaea L.) seeds infected with Aspergillus oryzae. Cherry, J P; Beuchat, L R; Young, C T *J Agric Food Chem* 24 (1): 79-85. Ref. Jan/Feb 1976

032071 381 J8223
Use of water slurries in aflatoxin analysis [Food, feed, contamination]. Velasco, J; Morris, S L *J Agric Food Chem* 24 (1): 86-88. Jan/Feb 1976

032072 448.39 SO12
A Proteus inconstans which produced 'cabbage odour' in the spoilage of vacuum-packed sliced bacon. Gardner, G A; Patterson, R L S *J Appl Bacteriol* 39 (3): 263-271. Ref. Dec 1975

032073 448.39 SO12
Changes in the microbiology of vacuum-packaged beef. Sutherland, J P; Patterson, J T; Murray, J G *J Appl Bacteriol* 39 (3): 227-237. Ref. Dec 1975

032074 448.39 SO12
Microbial spoilage of fresh refrigerated beef liver. Shelef, L A *J Appl Bacteriol* 39 (3): 273-280. Ref. Dec 1975

032075 448.39 SO12
Recovery of Escherichia coli coliforms from macerated shellfish [Food contamination]. Ayres, P A *J Appl Bacteriol* 39 (3): 353-356. Dec 1975

032076 448.39 SO12
Some metabolic and biochemical characteristics of representative microbial isolates from vacuum-packaged beef [Food bacteria]. Sutherland, J P; Patterson, J T; Gibbs, P A; Murray, J G *J Appl Bacteriol* 39 (3): 239-249. Ref. Dec 1975

032077 448.39 SO12
The incidence of Clostridium botulinum in farmed trout raised in Great Britain [Food contamination]. Cann, D C; Taylor, L Y; Hobbs, G *J Appl Bacteriol* 39 (3): 331-336. Ref. Dec 1975

475 J824
Gas chromatographic-mass spectrometric identification of phenylurea herbicides after N-methylation [food chemistry]. Buchert, A; Lokke, H *J Chromatogr* 115 (2): 682-686. Ref. Dec 24, 1975

032078 389.8 F7322
Influence of the z value of Clostridium botulinum on the accuracy of [canned food] process calculations. Perkins, W E; Ashton, D H; Evancho, G M *J Food Sci* 40 (6): 1189-1192. Ref. Nov/Dec 1975

032079 389.8 J823
Chemical quality of market ice cream. Sebastian, J; Unnikrishnan, V; Bhimasena Rao, M *J Food Sci Tech* 12 (4): 202. July-/Aug 1975

032080 389.8 J823
Clean-up cereal and milk for determination of residues of organochlorine insecticides. Lakshminarayana, V; Menon, P K *J Food Sci Tech* 12 (3): 144-146. Ref. May/June 1975

032081 389.8 J823
Comparative efficiency of triphenyl tetrazolium chloride reduction test for grading of milk. Chaturvedi, G C; Garg, D N; Narayan, K G *J Food Sci Tech* 12 (4): 196-197. July/Aug 1975

032082 389.8 J823
Effect of washing, cooking and dehydration on the removal of some insecticides from okra (Abelmoschus esculentus Moench.). Nath, G; Jat, N R; Srivastava, B P *J Food Sci Tech* 12 (3): 127-131. Ref. May/June 1975

032083 389.8 J823
Estimation of dimethoate [pesticide residue] in foods. Chakaraborti, J; Mukherjee, G; Mukherjee, A K; Roy, B R *J Food Sci Tech* 12 (3): 146-148. Ref. May/June 1975

032084 389.8 J823
Evaluation of mutton quality traits of four Indian carpet type sheep breeds. Chopra, S C; Choudhary, S S *J Food Sci Tech* 12 (4): 167-169. July/Aug 1975

032085 389.8 J823
Microbiological evaluation of raw, pasteurised and flavoured milk [Quality control]. Singh, K; Eapen, S; Philip, T E *J Food Sci Tech* 12 (4): 170-172. July/Aug 1975

032086 389.8 J823
Pathogenic Staphylococci associated with contamination of market eggs. Panda, P C; Panda, B *J Food Sci Tech* 12 (4): 165-167. Ref. July/Aug 1975

032087 389.8 J823
Preliminary observations on the survival of Salmonella in curry, sambar, coriander and red-chilly powders [Food poisoning]. Krishnaswamy, M A; Nair, K K S; Patel, J D; Parthasarathy, N *J Food Sci Tech* 12 (4): 195-196. Ref. July/Aug 1975

032088 449.8 J82
Studies on the estimation of the hygienic condition of frozen broiler chickens [Escherichia coli, Enterobacteriaceae]. Schothorst, M van; Northolt, M D; Kampelmacher, E H; Notermans, S *J Hyg* 76 (1): 57-63. Ref. Feb 1976

032089 449.8 J82
Survival of Salmonella eastbourne and Salmonella typhimurium in chocolate [Food poisoning]. Tamminga, S K; Beumer, R R; Kampelmacher, E H; Leusden, F M van *J Hyg* 76 (1): 41-47. Ref. Feb 1976

032090 449.8 J82
The preparation of simulated water samples for the purpose of bacteriological quality control. Gray, R D; Lowe, G H *J Hyg* 76 (1): 49-56. Feb 1976

032091 41.9 J275
Determination of nitrate in milk and cheese by cadmium reduction. (Jpn) Takeba, K; Matsumoto, M; Murakami, H; Haruta, M *J Jap Vet Med Assoc* 28 (10): 521-524. Eng. Sum. Oct 1975

032092 44.8 J824
Bacteriological quality of selected delicatessen foods. Harris, N D; Martin, S R; Ellias, L *J Milk Food Technol* 38 (12): 759-761. Ref. Dec 1975

032093 44.8 J824
Bacteriological survey of frankfurters produced at establishments under federal inspection. Surkiewicz, B F; Johnston, R W; Carosella, J M *J Milk Food Technol* 39 (1): 7-9. Ref. Jan 1976

032094 44.8 J824
Fungi in foods. VII. A comparison of the surface, pour plate, and most probable number methods for enumeration of yeasts and molds. Koburger, J A; Norden, A R *J Milk Food Technol* 38 (12): 745-746. Dec 1975

032095 44.8 J824
Microbiological criteria for food in military and Federal specifications. Powers, E M *J Milk Food Technol* 39 (1): 55-58. Ref. Jan 1976

032096 44.8 J824
Quality control significance of special media for enumeration of microbial groups in cottage-type cheese. Hankin, L; Stephens, G R; Dillman, W F *J Milk Food Technol* 38 (12): 738-744. Ref. Dec 1975

44.8 J824
Report of Committee on Dairy Farm Methods, 1973-1975 [Sanitation, regulation]. Jefferson, M W; Termunde, D; Flake, J C; Smathers, J B *J Milk Food Technol* 39 (1): 63-70. Jan 1976

032097 44.8 J824
Some observations on a perigo-type inhibition of Clostridium botulinum in a simplified medium [Food contamination]. Huhtanen, C N *J Milk Food Technol* 38 (12): 762-763. Dec 1975

032098 44.8 J824
The "new disease" status of human anisakiasis and North American cases: a review [Contaminated raw fish]. Jackson, G J *J Milk Food Technol* 38 (12): 769-773. Ref. Dec 1975

032099 44.8 J824
The microbial flora of rock shrimp Sicyonia brevirostris. Koburger, J A; Norden, A R; Kempler, G M *J Milk Food Technol* 38 (12): 747-749. Ref. Dec 1975

032100 44.8 J824
The nematodes that cause anisakiasis [Contaminated raw fish]. Myers, B J *J Milk Food Technol* 38 (12): 774-782. Ref. Dec 1975

032101 44.8 J824
The public health implications of larval Thynnascaris nematodes from shellfish. Norris, D E; Overstreet, R M *J Milk Food Technol* 39 (1): 47-54. Ref. Jan 1976

032102 44.8 J824
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. Doyle, M P; Marth, E H *J Milk Food Technol* 38 (12): 750-758. Ref. Dec 1975

032103 49 N62
On the compatibility of the electric conductivity in the California Mastitis Test for the detection of abnormal milk. (Jpn) Iritani, Y; Hidaka, S; Kitabatake, T; Ise, T *Jap J Zootech Sci* 46 (10): 585-587. Oct 1975

032104 HD1491.G3K6
Complex measures for high quality of [meat] products. (Ger) Wilke, W; Franke, A *Kooperation* 9 (10): 453-455. Oct 1975

032105 11 L2322
New quality requirements for rape [Common Market]. (Dan) Juel, O *Landbo Nyt* 29 (10): 564, 584. Oct 1975

032106 105.2 OR3
Proposals concerning food additives [Preservatives]. (Dut) Akker, A van den; Dees, F H *Landbouwkd Tijdschr* 87 (1): 10-14. Ref. Jan 1975

032107 44.8 L35
Identification of cow's milk in sheep's milk and sheep's milk cheeses [Adulteration]. (Ita) Carini, S; Busca, M *Latte* 3: 610-612. Eng. Sum. Oct 1975

44.8 L35
The cooling of milk destined for the making of Grana cheese. Distribution of microflora and technical controls. (Ita) Senesi, E; Caserio, G; Emaldi, G C *Latte* 3: 605-609. Ref. Oct 1975

43.9 L932
Acceptability of grass fed beef [Feeding, consumer preference]. Bidner, T D; Schupp, A R; McKnight, W F; Carpenter, J C Jr; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 38-46. 1976

032108 43.9 L932
The proposed beef carcass quality grade changes. Sanders, M B; Bidner, T D; Boston, A C; Taylor, M S; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 99-102. 1976

032109 105.1 G344
A comparative study between the pour plate method and the method of the most probable number (M.p.n.) for the enumeration of coliforms, Enterobacteriaceae and fecal coli in. (Dut) Debevere, J M; Voets, J P *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1498-1504. Eng. Sum. 1974

032110 QR1.M56
Enumeration, laboratory identification, and serotypic analyses of Vibrio parahaemolyticus [Food poisoning]. Fishbein, M; Wentz, B *Microbiology (Wash. D C)* P. 246-256. Ref. 1974 (Pub. 1975)

032111 QR1.M56
Epidemiology of Vibrio parahaemolyticus infection in humans[Raw fish, shellfish, and cucumbers in brine]. Barker, W H; Weaver, R E; Morris, G K; Martin, W T *Microbiology (Wash. D C)* P. 257-262. Map. Ref. 1974 (Pub. 1975)

032112 QR1.M56
Interactions of mycotoxins [produced by toxicogenic fungi] with substrate molecules and macromolecules [Food research]. Chu, F S *Microbiology (Wash. D C)* P. 359-371. Ref. 1975

032113 QR1.M56
Liver microsomal system and mycotoxin metabolism [Food toxicity]. Campbell, T C; Hayes, J R *Microbiology (Wash, D C)* P. 372-380. Ref. 1975

032114 QR1.M56
Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, fungal flora on agricultural commodities, feedstuffs]. Lillehoj, E B; Ciegler, A *Microbiology (Wash, D C)* P. 344-358. Ref. 1975

032115 QR1.M56
Occurrence and biology of Vibrio parahaemolyticus [Food poisoning, Japan]. Colwell, R R *Microbiology (Wash, D C)* P. 230-240. Map. 1974 (Pub. 1975)

032116 QR1.M56
Toxicity of Vibrio parahaemolyticus [Food poisoning]. Twedt, R M; Brown, D F *Microbiology (Wash, D C)* P. 241-245. Ref. 1974 (Pub. 1975)

032117 TS1950.M42
Microbial contamination of meat in boning and packing rooms. Newton, K G; Nottingham, P M; Harrison, J C L *MIRINZ Meat Indus Res Inst N Z* 452, 18 P. May 1975

032118 44.8 M735
Bacteriological and sensory investigations on milk quality with different packaging systems. (Ger) Schonborn, W; Kinkel, H J; Muller, U *Molk-Ztg Welt Milch* 29 (43): 1210-1211, 1214-1217. Oct 24, 1975

032119 44.8 M735
Penetration of oxygen to milk packed in paper cartons [Quality]. (Ger) Hansson, E *Molk-Ztg Welt Milch* 29 (46): 1300-1302. Nov 14, 1975

032120 44.8 M735
Quantity and date statements on milk and dairy products. (Ger) Schauff, M *Molk-Ztg Welt Milch* 29 (39): 1085-1087. Sept 26, 1975

032121 44.8 M735
Tetrahedron-packed milk for infants—a method for optimum infant nutrition [Bacteria, quality]. (Ger) Hoppner, L *Molk-Ztg Welt Milch* 29 (40): 1110-1112. Oct 3, 1975

032122 44.8 N752
Market milk products, infected by Bacillus cereus in the dairy [Contamination]. (Mul) Sogaard, H *Nord Mejeritidsskr* 41 (7): 248-253. 1975

032123 41.8 N813
Residues of organochlorine insecticides and polychlorinated biphenyls in some Norwegian foods. (Nor) Kveseth, N J; Bjerk, J E *Nord Veterinaermed* 27 (7/8): 384-388. July/Aug 1975

424.8 P295
Chloretracycline in the organism of the honeybee [Honey contamination with antibiotics]. (Rus) Shakarian, G A; Akopian, Z M; Danielian, S G *Pchelovodstvo* 10: 22. Oct 1975

032124 389.9 AS7Q
Emerging food patterns: coping with reality [Nutritional labeling]. Stare, F J *Q Bull Assoc Food Drug Off U S* 39 (4): 227-236. Oct 1975

032125 389.9 AS7Q
Is the consumer an over-protected species? [Food]. Khan, P *Q Bull Assoc Food Drug Off U S* 39 (4): 247-251. 1975

032126 389.9 AS7Q
Standardization and certification in food service sanitation. Banks, A L *Q Bull Assoc Food Drug Off U S* 39 (4): 257-261. 1975

032127 389.9 AS7Q
The food service industry training- certification program [Regulation]. Davis, A S *Q Bull Assoc Food Drug Off U S* 39 (4): 253-256. 1975

389.9 R314
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in public health and agriculture. Vettorazzi, G *Residue Rev* 56: 107-134. Ref. 1975

032128 49 P943
Some considerations regarding the standardization of quality in the food industry. (Rum) Nichita, S *Rev Cresterea Anim* 25 (7): 70-73. July 1975

032129 TP659.R4
Wines. Indication of susceptible origin to mislead the buyer. The bad faith of the seller. Misdemeanor. (Fre) Weinstock, A *Rev Embouteillage Indus Cond Trait Distrib Transp* 154: 37. Oct 1975

032130 44.8 F33
Drinking milk [Grading, distribution, Brazil]. (Por) Gomes, M F *Rev Inst Laticin Candido Tostes* 30 (179): 12-18. May/June 1975

307.8 OL3
The present validity of the pancreatic lipase method for husk oil protection [Olive oil cake, composition, adulteration]. (Ita) Leone, A M; La Notte, E; Lamparelli, F *Riv Ital Sost Grasse* 52 (9): 287-290. Eng. Sum. Sept 1975

032131 SF221.S6
The incidence of Propionibacteria in South African dairy products [Contamination]. (Afr) Britz, T J *S Afr J Dairy Technol* 7 (3): 157-161. Eng. Sum. Sept 1975

032132 80 SCH9
Use of Ough's method to determine proline in light and highly colored fruit juices and their concentrates [Adulteration]. (Ger) Sandoz, M; Tanner, H *Schweiz Z Obst Weinbau* 111 (25): 639-647. Nov 29, 1975

032133 49 T443
State and development of swine carcass evaluation and its conversion for grading. (Ger) Popp, H *Tierzucht* 29 (9): 412-414. Sept 1975

41.8 T431
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as well as in foods and effluents. (Dut) Edel, W; Schothorst, M van; Kampelmacher, E H *Tijdschr Diergeneeskd* 100 (24): 1304-1311. Ref. Eng. Sum. Dec 15, 1975

032134 391.8 T66
Twenty-five cases of poisoning by the mushroom Pleurotus olearius. Maretic, Z; Russell, F E; Golobic, V *Toxicon* 13 (5): 379-381. Nov 1975

032135 26 T756
Quality problems of South American honeydew melons imported into Britain [Contamination]. Mimbela-Leyva, L; Passam, H C; Reilly, P J A; Wallbridge, A *Trop Sci* 17 (2): 61-74. 1975

032136 105.9 L65V
25 years of seed control [Austria]. (Ger) Schachl, M *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 51-61. 1975

032137 41.8 V6426
Problems in increasing the sanitary quality of milk. (Rus) Kartashova, V M; Danilenko, I P *Veterinariia (Mosk)* 9: 36-38. Sept 1975

41.8 V6426
Use of hydrogen peroxide to disinfect installations producing brucellosis preparations. (Rus) Shlygina, I N; Blekherman, B E; Akulova, G I; Bondarenko, Z P; Kaz'mina, T P *Veterinariia (Mosk)* 9: 42-43. Sept 1975

032138 41.8 V6439
Conditions for production of staphylococcic enterotoxin in foodstuffs [Contamination]. (Cze) Lukasova, J *Veterinarstvi* 25 (8): 358-360. 1975

032139 41.8 V6439
Contemporary and future demands on examination of meat products [Quality control]. (Cze) Matyas, Z *Veterinarstvi* 25 (8): 343-345. 1975

032140 41.8 V6439
Hygienic problems of cooling poultry carcasses during slaughter-house processing. (Slo) Hrusovska, K; Siksa, J; Izak, S *Veterinarstvi* 25 (8): 356-357. 1975

032141 41.8 V6439
Hygienic problems in sheep's milk and production of rennin. (Slo) Guryca, V *Veterinarstvi* 25 (8): 361-362. 1975

032142 41.8 V6439
Microbiological examination of smears as an important part of prevention in food-processing plants [Food contamination]. (Slo) Grieger, G; Pakanova,; Olexa, *Veterinarstvi* 25 (8): 352-353. 1975

032143 41.8 V6439
Notes on some hygienic parameters in the production of Czabayka sausages under conditions of meat-processing industrialgroup. (Cze) Konecny, S *Veterinarstvi* 25 (8): 354-355. 1975

032144 41.8 V6439
Verification of some combined tests on media for enterobacteria [Food contaminating bacteria]. (Cze) Pejhovska, M; Bartoskova, M *Veterinarstvi* 25 (8): 363-365. 1975

41.8 V6439
Veterinary service relative to ensuring hygienic quality of foodstuffs. (Cze) Janicek, J *Veterinarstvi* 25 (8): 349-351. 1975

95.8 V77
About the possiblity of penetration of some pesticides into grapes. (Rus) Nalbandian, R A *Vinodel Vinograd SSSR* 6: 42-43. 1975

032145 389.8 V85
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, Doctor of Medicine], pioneer in the area of prevention of botulism [Clostridium botulinum];. (Dut) Mossel, D A A *Voeding* 36 (1): 2-3. Jan 15, 1975

032146 389.8 V89
A study of toxic effect of the strains of Aspergillus flavus fungi metabolites, isolted from Soviet-grown cereals. (Rus) Meshkov, N V; Bogoroditskaia, V P *Vopr Pitan* 4: 59-62. Eng. Sum. July/Aug 1975

032147 389.8 V89
An analysis of meat products as possible factors responsible for transmission of dysenterial affections of the toxinfectional type [Shigella sonnei]. (Rus) Sedova, N N *Vopr Pitan* 5: 68-73. Eng. Sum. Sept/Oct 1975

032148 389.8 V89
Determination of micro-amounts of mercury in fish [Contamination]. (Rus) Polishchuk, L P; Matvienki, I N; Zubko, T M *Vopr Pitan* 5: 88-89. Ref. Sept/Oct 1975

032149 389.8 V89
Experimental inquiry into the action of some physical and chemical factors on the survival and propagation of vibrio parahaemolyticus in food products. (Rus) Ermolina, E P; Shikalov, G M *Vopr Pitan* 5: 74-79. Ref. Eng. Sum. Sept/Oct 1975

032150 389.8 V89
Experimental materials derived from virological investigation of milk. (Rus) Kalitina, T A *Vopr Pitan* 4: 69-73. Eng. Sum. July-/Aug 1975

032151 389.8 V89
Gel-chromatographic method of selective extraction of synthetic dyes from food products. (Rus) Morozova, G I *Vopr Pitan* 4: 80-81. July/Aug 1975

032152 389.8 V89
Hygienic assessment of agents of intoxications found in foods [Contamination]. (Rus) Budagian, F E *Vopr Pitan* 4: 44-54. Ref. July-/Aug 1975

032153 389.8 V89
Hygienic investigation of a proteolytic preparation obtained from Actinomycetes [rumosus tested as potential food additive]. (Rus) Kuzechkin, A N; Skirko, B K; Vissarionova, V IA; Ivanitskii, A M *Vopr Pitan* 5: 80-83. Ref. Eng. Sum. Sept/Oct 1975

032154 389.8 V89
Isolation of halophil Vibrio spp. In marine fish and fish products [Contamination]. (Rus) Grigor'ev, IU I *Vopr Pitan* 5: 83-86. Ref. Eng. Sum. Sept/Oct 1975

389.8 V89
On the degree of vegetable oil oxidation in production of canned goods. (Rus) Krivenkova, E M *Vopr Pitan* 4: 62-65. Ref. Eng. Sum. July/Aug 1975

1 AG84Y
New sciences spring up to create food "miracles" [Processing, consumer preferences]. Mrak, E M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 267-279. 1975

032155 384 Z39
Microorganisms in gums. IV. Microbial degradation of plant exudates and seaweed extracts. (Ger) Souw, P; Rehm, H J *Z Lebensm Unters Forsch* 159 (5): 297-304. Ref. Eng. Sum. 1975

032156 384 Z39
On the contamination of milk and milk products with chlorinated hydrocarbons. II. Results and discussion. (Ger) Clauss, B; Acker, L *Z Lebensm Unters Forsch* 159 (3): 129-137. Ref. Eng. Sum. 1975

032157 384 Z39
Studies on tea. I. Contents of mercury, lead, and cadmium in tea leaves and tea decoctions [Toxic trace elements]. (Ger) Feldheim, W; Stelte, W *Z Lebensm Unters Forsch* 159 (5): 293-296. Eng. Sum. 1975

464.8 Z3
Residue problems in weed control [Food contamination]. (Ger) Maier-Bode, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 303-315. Ref. Eng. Sum. 1975

032158 410 Z36
The survival of Mycoplasma pumonis in drinking water and inother materials. Vogelzang, A A *Z Versuchstierkd* 17 (5/6): 240-246. Ref. 1975

032159 49 Z65
Study on enterococci in commercial cow's and ewe's milk [Contamination]. (Bul) Chomakov, Kh *Zhivotnovud Nauki* 12 (3): 78-82. Ref. Eng. Sum. 1975

HUMAN NUTRITION

032160 RM1.A22 F&N
Dietary measures to improve behavior and achievement. Powers, Hugh W. S. Jr. *Academic Therapy* 9 (3): 203-214 Winter 1973/74

032161 RM1.A22 F&N
Treatment of the hyperactive child. Wunderlich, Ray C *Academic Therapy* 8 (4): 375-390 Summer 1973

032162 448.8 AC85
Free cortisol in obesity; effect of fasting [High and low protein diets]. Galvao-Teles, A; Graves, L; Burke, C W; Fotherby, K; Fraser, R *Acta Endocrinol* 81 (2): 321-329. Ref. Feb 1976

032163 448.8 AC85
T3 resin uptake in protein-calorie malnutrition [Children]. Ingenbleek, Y; De Nayer, P; De Visscher, M *Acta Endocrinol* 81 (2): 283-287. Ref. Feb 1976

032164 448.8 AC8
The effect of low-calcium diet and vitamin D3 on acid-base balance in young rabbits. Nawrocka-Kanska, B; Jelonek, A; Gutkowski, P; Stepniewska, E *Acta Vitaminol Enzymol* 26 (1): 103-108. Ref. 1975

032165 386.2 P192
Biliary lipids and cholesterol gallstone formation [Nutrition and metabolic diseases]. Portman, O W; Osuga, T; Tanaka, N *Adv Lipid Res* 13: 135-194. Ref. 1975

032166 386.2 P192
Diabetes and lipid metabolism in nonhuman primates. Howard, C F Jr *Adv Lipid Res* 13: 91-134. Ref. 1975

032167 386.2 P192
Lipoprotein metabolism [Man, animals]. Eisenberg, S; Levy, R I *Adv Lipid Res* 13: 1-89. Ref. 1975

032168 100 W27A
Let's feed people and animals [The place of animal productsin our diets]. Preston, R L; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 6-7, 11. Fall 1975

032169 100 W27A
What's for lunch? A look at school lunches [Programs]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 10-11. Fall 1975

032170 S17.A35
Pellets may be answer to food needs. Greenhalgh, A *Agric Technol* 6 (4): 32. Nov 1975

032171 16 AG8226
Advanced techniques for feeding man. (Ita) Graioni, U *Agricoltura* 24 (6): 36-39. June 1975

032172 16 AG8226
Biological value and nutritional aspects of animal and plant proteins [Human nutrition]. (Ita) Rabbi, A; Strata, A *Agricoltura* 23 (7): 45-50. Ref. July 1974

032173 16 AG8226
Interchangeability of foods in their nutritional and alimentary aspects and the necessity of new consumption directions. (Ita) Artioli, D; Maggi, E *Agricoltura* 23 (7): 53-60. July 1974

032174 15 AG84
Agriculture and hunger in the world [Human nutrition]. (Spa) Felipe, I de; Briz, J *Agricultura (Madr)* 44 (517): 389-396. May 1975

032175 44.8 AM38
Ice cream is a low-fat, highly nutritious food. Hesseltine, W R *Am Dairy Rev* 38 (1): 26B, 26D, 26F. Jan 1976

032176 389.8 J824
Effect of oral contraceptives and vitamin B6 deficiency on carbohydrate metabolism. Rose, D P *Amer J Clin Nutr* 28: 872-878 Aug 1975

032177 QH345.A1P73
A new natural metabolite of vitamin A. Dmitrovskii, A A; Solov'eva, N V; Ermilova, L K *Appl Biochem Microbiol* 10 (3): 291-297. Ref. May/June 1974 Transl 1975

032178 QH345.A1P73
Disturbances of the methionine metabolism in the presence of vitamin B12 deficiency in animals [Rats]. Areshkina, L YA; Skorobogatova, E P; Snegireva, L V *Appl Biochem Microbiol* 10 (3): 298-303. Ref. May/June 1974 Transl 1975

032179 381 AR2
Drug metabolism and hepatic heme proteins in the vitamin Edeficient rat. Horn, L R; Machlin, L J; Barker, M O; Brin, M *Arch Biochem Biophys* 172 (1): 270-277. Ref. Jan 1976

032180 381 B522
The effect of protein deprivation and starvation on the rate of protein synthesis in tissues of the rat. Garlick, P J; Millward, D J; James, W P T; Waterlow, J C *Biochim Biophys Acta* 414 (1): 71-84. Ref. Nov 18, 1975

032181 500 AM322A
Nutritional and physiological effects of nitrates, nitrites, and nitrosamines. Shirley, R L *BioScience* 25 (12): 789-794 Dec 1975

032182 389.8 B773
A dietary survey of older people in Edinburgh. Lonergan, Mary E *Br J Nutr* 34 (3): 517-527 Nov 1975

032183 389.8 B773
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given protein-deficient diets. Turner, M R; Reeds, P J; Munda, K A *Br J Nutr* 35 (1): 1-10. Ref. Jan 1976

032184 389.8 B773
Lack of effect on blood lipid and calcium concentrations of young men on changing from white to wholemeal bread. Heaton, K W; Manning, A P; Hartog, M *Br J Nutr* 35 (1): 55-60. Ref. Jan 1976

032185 389.8 B773
Protein absorption and ammonia production: the effects of dietary protein and removal of the colon. Gibson, J A; Sladen, G E; Dawson, A M *Br J Nutr* 35 (1): 61-65. Ref. Jan 1976

032186 389.8 B773
Resistance to ketosis during prolonged fasting by rats fed on a diet containing undecanoic acid, an odd-carbon-number fatty acid. Pi-Sunyer, F X *Br J Nutr* 35 (1): 41-46. Ref. Jan 1976

032187 389.8 B773
The diets of preschool children in Newcastle upon Tyne, 1968-71. Black, A E; Billewicz, W Z; Thomson, A M *Br J Nutr* 35 (1): 105-113. Ref. Jan 1976

032188 389.8 B773
The effect of feeding frequency on the growth and composition of individual organs in the rat. Rocknee, R C; Heaton, F W *Br J Nutr* 35 (1): 97-104. Ref. Jan 1976

032189 389.8 B773
The effects of low-dose gamma-irradiation on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding studies using rats. Horton, G M J *Br J Nutr* 35 (1): 67-75. Jan 1976

032190 389.8 B773
The induction of obesity in rodents by means of monosodium glutamate. Bunyan, J; Murrell, E A; Shah, P P *Br J Nutr* 35 (1): 25-39. Ref. Jan 1976

032191 389.8 B773
Utilization of 14C [carbon isotope]- labelled Escherichia coli by rats [Nutrition]. Tong, A; Fisher, R F *Br J Nutr* 35 (1): 175-179. Ref. Jan 1976

032192 QK73.K43B8
Insects as source of food for human: consideration of its development. (Ind) Adisoemarto, S *Bul Kebun Raya* 2 (2): 35-40. Ref. Eng. Sum. Aug 1975

032193 275.29 C76B
Compare the difference! [Sodium in the diet]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-163, 1 P. 1975

032194 275.29 C76B
Helpful hints to cut down on sodium [Diet]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-164, 2 P. 1975

032195 100 C12CAG
Comparative biochemistry of Antarctic proteins [Penguins and fish, potential utilization]. Feeney, R E; Osuga, D T; California Agricultural Experiment Station *Calif Agric* 29 (12): 1-5. Dec 1975

59.8 C33
A new method of analysis of protein content in grain by proton activation. Dohan, D A; Standing, K G; Bushuk, W *Cereal Chem* 53 (1): 91-100. Ref. Jan/Feb 1976

59.8 C33
Biochemical properties and ultrastructure of protein bodies isolated from selected cereals. Adams, C A; Novellie, L; Wiebenberg, N von der W *Cereal Chem* 53 (1): 1-12. Ref. Jan/Feb 1976

032196 59.8 C33
Differences in total lipid and fatty acid composition of doughnuts as influenced by lecithin leavening agent, and use of frying fat. McComber, D; Miller, E M *Cereal Chem* 53 (1): 101-109. Ref. Jan/Feb 1976

59.8 C33
Infrared and Raman spectra [for identifying organic compounds] of maltooligosaccharides [in cereals]. Srisuthep, R; Brockman, R; Johnson, J A *Cereal Chem* 53 (1): 110-117. Ref. Jan/Feb 1976

032197 59.8 C33
Selection of iron sources for cereal enrichment. Harrison, B N; Pla, G W; Clark, G A; Fritz, J C *Cereal Chem* 53 (1): 78-84. Ref. Jan/Feb 1976

032198 59.8 C33
Utilization of iron from enriched wheat bread by normal and anemic rats. Miller, J *Cereal Chem* 53 (1): 33-41. Ref. Jan/Feb 1976

032199 59.8 C333
Nutrient content of wheat and rice: present knowledge, future problems, and needed research. Matthews, Ruth H; Weihrauch, John L; Watt, Bernice K *Cereal Foods World* 20 (8): 348-350, 367 Aug 1975

032200 RM1.C5
Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and adipose tissue [in rats]. Yokozawa, T; Seno, H; Oura, H *Chem Pharm Bull* 23 (12): 3095-3100. Ref. Dec 1975

032201 RM1.C5
Synthesis of active forms of vitamin D. X. Synthesis of 1alpha-hydroxyvitamin D3. Morisaki, M; Saika, A; Bannai, K; Sawamura, M; Rubio-Lightbourn, J; Ikekawa, N *Chem Pharm Bull* 23 (12): 3272-3278. Ref. Dec 1975

032202 LB1101.C48 F&N
Child nutrition in a changing world. Smith, Nila Banton *Child Care Quarterly* 51 (3): 142-145 Jan 1975

032203 LB1101.C48 F&N
The effect of teacher behaviors and food serving arrangements on young children's eating in a day care center. Hall, Jane S; Holmberg, Margaret C *Child Care Quarterly* 3 (2): 97-108 Summer 1974

032204 RJ1.C5 F&N
Food additives and hyperactivity; a comparison of food additives in the diets of normal and hyperactive boys. Palmer, Sushma; Rapoport, Judith L; Quinn, Patricia O *Clin Pediatrics* 14 (10): 956-959 Oct 1975

032205 RG1.C56 F&N
Maternal nutrition in lactation. Filer, L J Jr. *Clinics Perinatology* 2 (2): 353-360 Sept 1975

032206 TX341.C6 F&N
Copper and coronaries: the hidden risk factor. Forbush, Julie *CNI Weekly Rep* 5 (50): 4-5 Dec 18, 1975

032207 TX341.C6 F&N
Formula makers exploit third world weaknesses. *CNI Weekly Rep* 5 (29): 4-5 July 1975

QP501.C6
Influence of dietary fat source on hepatic lipogenesis in the fasted-refed chick (Gallus domesticus). Romosos, D R; Ruiz, S M; Leveille, G A *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 19-22. Ref. 1976

032208 321.8 C762
Are baby foods good enough for babies? *Consumer Reports* 40 (9): 528-532 Sept 1975

TP368.C7
Cereal proteins: chemistry and food applications. Shukla, T P *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (1): 1-75. Ref. 1975

TP368.C7
Chemistry of oats: protein foods and other industrial products. Shukla, T P *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (4): 383-431. Ref. 1975

032209 TP368.C7
Dietary fiber in human nutrition. Spiller, G A; Amen, R J *CRC Crit Rev Food Technol (Chem Rubber Co)* 7 (1): 39-70. Ref. 1975

TP368.C7
The role of sulfur compounds in food flavor. I. Thiazoles. Maga, J A *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (2): 153-176. Ref. 1975

TP368.C7
Unusual sources of proteins for man [Single cell protein, algae, yeasts, bacteria]. Waslien, C I *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (1): 77-151. Ref. 1975

032210 64.8 C883
Quality factors affecting the nutritive value of [kidney] bean seed protein [Methionine]. Kelly, J D; Bliss, F A *Crop Sci* 15 (6): 757-760. Ref. Nov/Dec 1975

032211 389.8 D14
Nutrition, diet, and cancer. *Dairy Counc Dig* 56 (5): 25-29 Sept/Oct 1975

032212 389.8 D14
The biological effects of polyunsaturated fatty acids. *Dairy Counc Dig* 46 (6): 31-35 Nov/Dec 1975

032213 H1.D4
A model for the integration of health and nutrition planning. Correa, H; Hassouna, W A *Dev Change* 6 (4): 51-61. Oct 1975

032214 290.9 M57
An up-to-date interpretation of the vitamin-concept and its meaning for some applied natural sciences. (Hun) Telegdy Kovats, L; Berndorfer-Kraszner, E *Elelmez Ipar* 29 (10): 289-296. Oct 1975

032215 448.8 EN2
Bone resorbing activity of vitamin D metabolites and congeners in vitro: influence of hydroxyl substituents in the a ring. Stern, P H; Trummel, C L; Schnoes, H K; Deluca, H F *Endocrinology* 97 (6): 1552-1558. Ref. Dec 1975

032216 RJ1.J6
Advertising and infant feeding. *Environ Child Health* 21 (4): 161-162 Aug 1975

032217 RJ1.A1J6 F&N
Fat babies: prevalence, perils and prevention. Jelliffe, Derrick B; Jelliffe, E F Patrice *Environ Child Health* 21 (3): 124-155 June 1975

032218 RJ1.J6
Pathological growth and maturation in infants and children associated with modern methods of feeding. Trowell, H C *Environ Child Health* 21 (4): 192-198 Aug 1975

032219 RJ1.A1J6 F&N
The unfavourable trend in infant feeding. Ogbeide, M I; Goyea, H Subulola *Environ Child Health* 21 (1B): 12-13 Feb 1975

032220 RJ1.J6
Vulnerable periods of lactation - a view on breast feeding practices in Brazil. Sousa, Paulo L R *Environ Child Health* 21 (4): 216-217 Aug 1975

032221 A321.9 R31
Food spending patterns of Southern black households. Ward, Constance *Fam Econ Rev* P. 8-11 Fall 1975

032222 A321.9 R31
What homemakers know and do about feeding their families. Pearson, Joanne *Fam Econ Rev* P. 24-26 Fall 1973

032223 HD9000.9.U5A1
Finding out what else you eat. Hopkins, Harold *FDA Consumer* 9 (8): 8-15 July/Aug 1975

032224 280.38 F62
Determining the caloric content of meat products. (Ger) Hadlok, R; Christen, U; Gutermuth, S; Lechner, M *Fleischwirtschaft* 55 (9): 1281-1284. Ref. Eng. Sum. Sept 1975

032225 280.38 F62
The importance of some mineral substances in meat [Human nutrition]. (Ger) Kuhne, D *Fleischwirtschaft* 55 (10): 1421-1423. Oct 1975

032226 389.8 F7332
Atherosclerosis - part 5: diet trials. Sherman, William C *Food and Nutr News* 47 (1): 3 Oct/Nov 1975

032227 389.8 F7332
Nutritional aspects of bone loss, part 1 of 2 parts. Albanese, Anthony A *Food and Nutr News* 47 (1): 1, 4 Oct/Nov 1975

032228 TX341.F69
Toward planned nutritionhood. Martin, Josephine *Food Management* 10 (8): 33-34 Aug 1975

032229 QP141.A1F6 F&N
Energy and protein requirements: recommendations by a joint FAO/WHO informal gathering of experts. *Food Nutr (FAO)* 1 (2): 11-19 1975

032230 QP141.A1F6 F&N
Food consumption surveys: a data source for contamination-monitoring programmes. Buss, D H; Lorstad, M H *Food Nutr (FAO)* 1 (2): 26-28 1975

032231 QP141.A1F6 F&N
Sociology and nutrition. Cepede, Michel *Food Nutr (FAO)* 1 (2): 8-10 1975

032232 389.9 AU73
Nutritional factors in alcoholism. Wood, Beverly *Food Nutr Notes Rev* 32 (7/8): 127-134 July/Aug 1975

032233 389.9 AU73
Tasmanian school canteen survey. Coy, J F *Food Nutr Notes Rev* 32 (7/8): 119-126 July/Aug 1975

032234 HD9000.1.F64
Consumer evaluation of apricots and a new apricot product. Zehner, M D; Enochian, R V; Bolin, H R *Food Prod Dev* 9 (9): 84-85, 87. Nov 1975

032235 HD9000.1.F64
Convenience plus versatility match growing consumer interest in home baking. McCormick, R D *Food Prod Dev* 9 (10): 20. Dec 1975

032236 HD9000.1.F64
Effects of trace minerals on biological mechanisms. *Food Prod Dev* 9 (3): 30 Apr 1975

032237 HD9000.1.F64
Exaggerated conclusions based on inadequate data. Oser, Bernard L *Food Prod Dev* 9 (4): 18, 22, 26 May 1974

032238 HD9000.1.F64
Nutrition research—a corporate responsibility. Lachance, P A *Food Prod Dev* 9 (8): 8. Oct 1975

032239 HD9000.1.F64
The time dependence of food preferences. Balintfy, J L; Sinha, P; Moskowitz, H R; Rogozenski, J G *Food Prod Dev* 9 (9): 32, 34, 36, 96. Nov 1975

032240 389.8 F7398
Amino acids and taste. Khurana, H S *Food Technol* 29 (8): 76 Aug 1975

032241 389.8 F7398
Changes in taste with age - infancy to senescence. Kare, Morley R *Food Technol* 29 (8): 78 Aug 1975

032242 389.8 F7398
Role of natural and synthetic sweeteners. Pangborn, R M; Larson, N L *Food Technol* 29 (8): 75-76 Aug 1975

032243 389.8 F7398
Taste factors and obesity. Grinker, Joel A *Food Technol* 29 (8): 76-78 Aug 1975

032244 389.8 F7333
A survey of the vitamin content of foods as they are consumed by selected groups of the Australian population. Nobile, S; Woodhill, J M; Rosevear, P E *Food Technol Aust* 27 (9): 342-349. Sept 1975

032245 384 Z3
Spectrophotometric determination of vitamin C in citrus fruits using peri-naphthindan-2,3,4-trione. Hassan, S S M; el Fattah, M M A; Zaki, M T M *Fresenius Z Anal Chem* 277 (5): 369-371. Ref. 1975

032246 298.8 G33
Bread and other cereal products in modern human nutrition. (Ger) Menden, E; Elmadfa, I; Horchler, V *Getreide Mehl Brot* 29 (10): 253-257. Oct 1975

032247 298.8 G33
Metabolism of starch and other carbohydrates. (Ger) Laube, H *Getreide Mehl Brot* 29 (10): 257-261. Ref. Oct 1975

032248 298.8 G33
Mineral supply by bread and cereal products. (Ger) Ludewig, H G *Getreide Mehl Brot* 29 (10): 265-270. Ref. Oct 1975

032249 298.8 G33
Physiological effects of "ballast substances" of cereals. (Ger) Thomas, B *Getreide Mehl Brot* 29 (10): 262-265. Ref. Oct 1975

032250 TX1.H63
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. Engler, P P; Bowers, J A *Home Econ Res J* 4 (1): 27-31. Ref. Sept 1975

032251 1 AG84HG
Apples in appealing ways [Recipes]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 161, 16 P. 1969 (Pub. 1975)

SB1.H6
Carotenoids of pecan nutmeats [Carya illinoinensis, varieties]. Senter, S D *Hortsci* 10 (6): 592. Dec 1975

SB1.H6
Correlation between methods to determine the protein content of potato tubers. Vigue, J; Li, P H *Hortsci* 10 (6): 625-627. Dec 1975

SB1.H6
Improving food values of vegetables [through breeding]. Kelly, J F *Hortsci* 10 (6): 568-569. Ref. Dec 1975

032252 241.5 IM7
Measuring the effects of nutrition on human development and behaviour. Saadeh, Ibrahim Q *Impact Sci On Soc* 24 (2): 181-187 Apr/June 1974

032253 241.5 IM7
Some methods to improve nutrition in the developing countries. Finot, Paul-Andre *Impact Sci On Soc* 24 (2): 121-129 Apr/June 1974

032254 241.5 IM7
The priority of nutrition in a nation's development. Sai, Fred T *Impact Sci On Soc* 24 (2): 131-140 Apr/June 1974

032255 RA565.M3
The role of nutrition in atherosclerosis. King, A B; Farquhar, J W *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 247-272. Ref. 1974

SF539.H66
Biological properties of honey. *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 258-266. 1975

032256 QP141.A1W4 1974
A complete serum iron profile in pregnancy: study of the maternal and cord blood. Ishida, Y; Ishida, M C; Ewers, V; Kahl, M J; Zimmer, A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 349. 1974 (Pub. 1975)

032257 QP141.A1W4 1974
A simple assessment of the risk of low birth weight to select women for nutritional intervention. Lechtig, A; Habicht, J P; Yarbrough, C; Delgado, H; Martorell, R; Klein, R E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 383-384. 1974 (Pub. 1975)

032258 QP141.A1W4 1974
A standardized vitamin profile for 174 mothers-neonates. Baker, H; Frank, O; Kaminetzky, H *In Proceedings Western Hemisphere Nutrition Congress* 4th: 348-349. 1974 (Pub. 1975)

032259 QP141.A1W4 1974
A study on the prevalence of xerophthalmia and blindness in northeast Brazil [Vitamin A deficiency]. Simmons, W K; Vieira de Mello, A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 363-364. 1974 (Pub. 1975)

032260 QP141.A1W4 1974
Absorption of amino acids in tropical malabsorption. Corcino, J J; Klipstein, F A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 358-359. 1974 (Pub. 1975)

032261 QP141.A1W4 1974
An applied nutrition program among Philippine pre-school children. Villareal, G D; Caedo, M; Engel, R W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 381. 1974 (Pub. 1975)

032262 QP141.A1W4 1974
Antenatal events and postnatal growth and survival of children—prospective observation in a rural Guatemalan village. Mata, L J; Kronmal, R A; Urrutia, J J; Garcia, B *In Proceedings Western Hemisphere Nutrition Congress* 4th: 107-116. Ref. 1974 (Pub. 1975)

032263 QP141.A1W4 1974
Baked foods fortified with deglanded cottonseed flour protein. Harden, M L; Yang, S P; Morehouse, A L *In Proceedings Western Hemisphere Nutrition Congress* 4th: 376-377. 1974 (Pub. 1975)

032264 QP141.A1W4 1974
Cell-mediated immunity [Nutritional deficiencies]. Vitale, J J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 301-305. 1974 (Pub. 1975)

032265 QP141.A1W4 1974
Commentary: effects of malnutrition on immunological functions. Keusch, G T *In Proceedings Western Hemisphere Nutrition Congress* 4th: 319-322. 1974 (Pub. 1975)

032266 QP141.A1W4 1974
Cost in relation to benefits for Mothercraft Centers in Haiti, 1964-1974 [Nutrition]. King, K W; Hilare, A; Fougere, W; Webb, R W; Berggren, G; Berggren, W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 381-382. 1974 (Pub. 1975)

032267 QP141.A1W4 1974
Determination of the riboflavin nutritional status of a pediatric population. Cooperman, J M; Cole, H S; Lopez, R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 347-348. 1974 (Pub. 1975)

032268 QP141.A1W4 1974
Diet and coronary heart disease. Dayton, S *In Proceedings Western Hemisphere Nutrition Congress* 4th: 64-70. 1974 (Pub. 1975)

032269 QP141.A1W4 1974
Dietary vitamin E and selenium requirements for optimum metabolic function at the subcellular level. Scott, M L; Combs, G F Jr *In Proceedings Western Hemisphere Nutrition Congress* 4th: 367-368. 1974 (Pub. 1975)

032270 QP141.A1W4 1974
Effect of dietary fiber upon [human] gastrointestinal function and dysfunctions. Mendeloff, A I *In Proceedings Western Hemisphere Nutrition Congress* 4th: 45-50. Ref. 1974 (Pub. 1975)

032271 QP141.A1W4 1974
Effect of dietary vitamin E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in erythrocytes and plasma of rats. Chow, C K; Cross, C E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 368. 1974 (Pub. 1975)

032272 QP141.A1W4 1974
Effect of fluoride on mineral metabolism in man. Spencer, H; Osis, D; Norris, C; Coffey, J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 353-354. 1974 (Pub. 1975)

032273 QP141.A1W4 1974
Effect of improved nutrition during pregnancy and lactation on developmental retardation and infant mortality. Lechtig, A; Delgado, H; Lasky, R; Yarbrough, C; Martorell, R; Habicht, J P; Klein, R E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 117-125. Ref. 1974 (Pub. 1975)

032274 QP141.A1W4 1974
Effects of the ingestion of vitamin E with vitamin A on serum levels and urinary creatine/creatinine in children with cystic fibrosis. Ekvall, S W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 368-369. 1974 (Pub. 1975)

032275 QP141.A1W4 1974
Effects of zinc deficiency on the infant rat which are associated with abnormal adult behavior. Sandstead, H H; Fosmire, G J; Halas, E S *In Proceedings Western Hemisphere Nutrition Congress* 4th: 353. 1974 (Pub. 1975)

032276 QP141.A1W4 1974
Energy metabolism in children with protein calorie malnutrition (PCM). Klish, W J; Parra, A; Cuellar, A; Canseco, L; Nichols, B L *In Proceedings Western Hemisphere Nutrition Congress* 4th: 356-357. 1974 (Pub. 1975)

032277 QP141.A1W4 1974
Enhancement of two immune reactions by vitamin A. Seifter, E; Rettura, G; Francomano, T; Levenson, S M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 365-366. 1974 (Pub. 1975)

032278 QP141.A1W4 1974
Erythrocyte glutathione reductase activity as an index of riboflavin nutritional status in pregnant women. Jacob, M; Dirige, O; Masri, G; Hunt, I F *In Proceedings Western Hemisphere Nutrition Congress* 4th: 348. 1974 (Pub. 1975)

032279 QP141.A1W4 1974
Factors influencing availability of minerals [Foodstuffs]. Oberleas, D *In Proceedings Western Hemisphere Nutrition Congress* 4th: 156-161. Ref. 1974 (Pub. 1975)

032280 QP141.A1W4 1974
Fat-soluble vitamins: where we are and where we should go. Bieri, J G *In Proceedings Western Hemisphere Nutrition Congress* 4th: 361-363. 1974 (Pub. 1975)

032281 QP141.A1W4 1974
Favorable diet-induced changes in coronary risk factors. Singman, H S; Maslansky, E; Berman, S N; Cowell, C; Carol, R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 385. 1974 (Pub. 1975)

032282 QP141.A1W4 1974
Fiber and other unavailable carbohydrates and energy effects in the [human] diet. Southgate, D A T *In Proceedings Western Hemisphere Nutrition Congress* 4th: 51-55. Ref. 1974 (Pub. 1975)

032283 QP141.A1W4 1974
Forecast of scientific developments in food and nutrition. Brisson, G J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 36-42. Ref. 1974 (Pub. 1975)

032284 QP141.A1W4 1974
Functional and biochemical tests for the assessment of vitamin nutritional status. Sauberlich, H E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 185-194. 1974 (Pub. 1975)

032285 QP141.A1W4 1974
Human nutrient requirements—an update. Calloway, D H *In Proceedings Western Hemisphere Nutrition Congress* 4th: 195-203. Ref. 1974 (Pub. 1975)

032286 QP141.A1W4 1974
Humoral immunity [Protein synthesis]. Cooperband, S R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 306-312. 1974 (Pub. 1975)

032287 QP141.A1W4 1974
Impact of a nutrition education program on Appalachian families in poverty. Maruyama, F; Hammond, L T *In Proceedings Western Hemisphere Nutrition Congress* 4th: 386. 1974 (Pub. 1975)

032288 QP141.A1W4 1974
Implications of excessive protein [Humans]. Nelson, R A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 71-76. Ref. 1974 (Pub. 1975)

032289 QP141.A1W4 1974
Improving the nutrition awareness of low-income groups. Johnson, E H *In Proceedings Western Hemisphere Nutrition Congress* 4th: 385-386. 1974 (Pub. 1975)

032290 QP141.A1W4 1974
Interrelationships between serum vitamins A and E and lipid fractions in women receiving oral contraceptives. Dawson, E B; Frey, M J; Monistere, N; McGanity, W J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 364-365. 1974 (Pub. 1975)

032291 QP141.A1W4 1974
Iron nutriture [Foods, diet]. Layrisse, M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 148-154. Ref. 1974 (Pub. 1975)

032292 QP141.A1W4 1974
Low carbohydrate diet, alcohol and hypoglycemia. McLaughlin, J M; Noel, E J; Usher, D; Moodie, C A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 359. 1974 (Pub. 1975)

032293 QP141.A1W4 1974
Maximum dietary level of detoxified rapeseed meal for the rat. Ballester, D; King, J; Vera, P; Brunser, O; Monckeberg, F *In Proceedings Western Hemisphere Nutrition Congress* 4th: 378-379. 1974 (Pub. 1975)

032294 QP141.A1W4 1974
Metabolic abnormalities in obesity: effect of exercise. Lopez-S, A; Herbert, J; Wingo, C *In Proceedings Western Hemisphere Nutrition Congress* 4th: 354-355. 1974 (Pub. 1975)

032295 QP141.A1W4 1974
Metabolic response to overfeeding. Bray, G A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 77-83. Ref. 1974 (Pub. 1975)

032296 QP141.A1W4 1974
Mobilizing society to responsible action: the case of nutrition and the poor. Levinson, F J; Oftedal, O *In Proceedings Western Hemisphere Nutrition Congress* 4th: 32-35. Ref. 1974 (Pub. 1975)

032297 QP141.A1W4 1974
Modular communications system (MCS): an outpatient bilingual nutrition education program for a neighborhood health clinic. Jasso, S S; Guzman, L; Weaver, F J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 387. 1974 (Pub. 1975)

032298 QP141.A1W4 1974
Mother-infant relationship prior to the development of clinically severe malnutrition in the child. Cravioto, J; DeLicardie, E R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 126-137. Ref. 1974 (Pub. 1975)

032299 QP141.A1W4 1974
New protein mixture for child feeding. Yanez, E; Ballester, D; Gattas, V; Chichester, C O; Jarpa, S; Martner, J; Merchak, N; Rocca, C; Monckeberg, F *In Proceedings Western Hemisphere Nutrition Congress* 4th: 377-378. 1974 (Pub. 1975)

032300 QP141.A1W4 1974
Nutrient requirements as affected by drug therapy. Butterworth, C E Jr *In Proceedings Western Hemisphere Nutrition Congress* 4th: 97-101. Ref. 1974 (Pub. 1975)

032301 QP141.A1W4 1974
Nutrition survey of Canada—a summary. Murray, T K *In Proceedings Western Hemisphere Nutrition Congress* 4th: 331-341. 1974 (Pub. 1975)

032302 QP141.A1W4 1974
Nutrition surveillance in the United States. Nichaman, M Z; Trowbridge, F L; Goldsby, J B; Robbins, G E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 350-351. 1974 (Pub. 1975)

032303 QP141.A1W4 1974
Nutritional bioassay of wheat grain for a wheat breeding program. Kies, C; Fox, H M; Ulmer, R L; Mattern, P J; Johnson, V A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 375-376. 1974 (Pub. 1975)

032304 QP141.A1W4 1974
Nutritional supplementation and the outcome of pregnancy in Colombian women. Mora, J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 382. 1974 (Pub. 1975)

032305 QP141.A1W4 1974
PKU [phenylketonuria] collaborative study—clinical effects of phenylalanine restricted diets. Acosta, P B; Williams, M; Koch, R; Dobson, J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 358. 1974 (Pub. 1975)

032306 QP141.A1W4 1974
Protein quality of two varieties of high lysine maize fed alone and with black beans or milk in normal and depleted weanling rats. Maffia, L M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 377. 1974 (Pub. 1975)

032307 QP141.A1W4 1974
Research in applied nutrition: present needs and prospects for the future. Beghin, I D *In Proceedings Western Hemisphere Nutrition Congress* 4th: 380-381. 1974 (Pub. 1975)

032308 QP141.A1W4 1974
Some preliminary findings from the first Health and Nutrition Examination survey, U.s.a., 1971-1972. Lowenstein, F W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 342-347. 1974 (Pub. 1975)

032309 QP141.A1W4 1974
Some snack food of high nutritional value and low cost. Bacigalupo, A; Reynoso, Z; Briceno, O; Perea, A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 376. 1974 (Pub. 1975)

032310 QP141.A1W4 1974
Soy-fortified gluten-free bread. Ranhotra, G S; Loewe, R J; Puyat, L V *In Proceedings Western Hemisphere Nutrition Congress* 4th: 375. 1974 (Pub. 1975)

032311 QP141.A1W4 1974
Studies of comparative bioavailability of water-soluble vitamins: A new method. Nelson, E W; DeFord, J; Streiff, R R; Cerda, J J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 357-358. 1974 (Pub. 1975)

032312 QP141.A1W4 1974
Study of acceptability of fortesan nutriment (milk with soya flour) by the infantile population of Curico, Chile. Merchak, N; Monckeberg, F; Chichester, C O; Yanez, E; Hernandez, V; Stockebrand, S; Minte, P *In Proceedings Western Hemisphere Nutrition Congress* 4th: 383. 1974 (Pub. 1975)

032313 QP141.A1W4 1974
Survey anthropometric measurements [Effects of nutrition onhuman populations]. Demirjian, A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 165-184. Ref. 1974 (Pub. 1975)

032314 QP141.A1W4 1974
Systems analysis in nutrition and health planning: approximate model relating birth weight and age to risk of malnutrition. Stickney, R E; Beghin, I D; Urrutia, J J; Mata, L J; Arenales, P; Habicht, J P; Lechtig, A; Yarbrough, C *In Proceedings Western Hemisphere Nutrition Congress* 4th: 384. 1974 (Pub. 1975)

032315 QP141.A1W4 1974
Television PSAs [public service announcements] for nutrition education. Montandon, C M *In Proceedings Western Hemisphere Nutrition Congress* 4th: 384-385. 1974 (Pub. 1975)

032316 QP141.A1W4 1974
The effect of a vitamin E deficiency on drug metabolism. Brin, M; Machlin, L J; Horn, L R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 367. 1974 (Pub. 1975)

032317 QP141.A1W4 1974
The effect of oral contraceptives on plasma lipoproteins, cholesterol and tocopherol levels in young women. Aftergood, L; Alexander, A R; Alfin-Slater, R B *In Proceedings Western Hemisphere Nutrition Congress* 4th: 365. 1974 (Pub. 1975)

032318 QP141.A1W4 1974
The effect of physical activity, nutrient intake, and growth on body composition of myelomeningocele patients as measured by the whole body counter, creatinine, and anthropometric determinations. Grogan, C B; Ekvall, S W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 350-351. 1974 (Pub. 1975)

032319 QP141.A1W4 1974
The effects of malnutrition on immunological responses of the host: the key role of scarce amino acids. Beisel, W R *In Proceedings Western Hemisphere Nutrition Congress* 4th: 313-318. Ref. 1974 (Pub. 1975)

032320 QP141.A1W4 1974
The effects of various dietary levels of menadione and iron on hepatic catalase activity in rats maintained on a vitamin E deficient diet. Hauswirth, J W; Nair, P P *In Proceedings Western Hemisphere Nutrition Congress* 4th: 366-367. 1974 (Pub. 1975)

032321 QP141.A1W4 1974
The feasibility of [dietary] standards for the hemisphere. Arroyave, G *In Proceedings Western Hemisphere Nutrition Congress* 4th: 204-212. 1974 (Pub. 1975)

032322 QP141.A1W4 1974
The Macaca nemestrina as a primate model in human nutrition. Spiller, G A; Amen, R J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 356. 1974 (Pub. 1975)

032323 QP141.A1W4 1974
The ratio of zinc to copper in cholesterol-lowering diets. Klevay, L M; Vo-Khactu, K P; Jacob, R A *In Proceedings Western Hemisphere Nutrition Congress* 4th: 352-353. 1974 (Pub. 1975)

032324 QP141.A1W4 1974
The rationale of massive-dose vitamin therapy (megavitamin therapy: hot fictions vs cold facts). Herbert, V C *In Proceedings Western Hemisphere Nutrition Congress* 4th: 84-91. Ref. 1974 (Pub. 1975)

032325 QP141.A1W4 1974
Total body fat and muscle predicted by simple anthropometric field measurements. Gurney, J M; Brooke, O G; March, Y; Jutsum, P J *In Proceedings Western Hemisphere Nutrition Congress* 4th: 349-350. 1974 (Pub. 1975)

032326 QP141.A1W4 1974
Total muscle mass in malnourished children measured by N [nitrogen isotope]-creatine. Picou, D; Reeds, P; Jackson, A; Poulter, N *In Proceedings Western Hemisphere Nutrition Congress* 4th: 359-360. 1974 (Pub. 1975)

032327 QP141.A1W4 1974
Use of elemental diet and nitrogen balance studies in severe infantile protein-calorie malnutrition. Cordano, A; Morales, E; Graham, G *In Proceedings Western Hemisphere Nutrition Congress* 4th: 378. 1974 (Pub. 1975)

032328 QP141.A1W4 1974
Validity of using four food groups as a simple method of evaluating diets. Johnson, N E; Nitzke, S *In Proceedings Western Hemisphere Nutrition Congress* 4th: 387-388. 1974 (Pub. 1975)

032329 QP141.A1W4 1974
Vitamin A metabolism in rats suffering from hypobetalipoproteinemia. Yeung, D L; Nguyet, N T H *In Proceedings Western Hemisphere Nutrition Congress* 4th: 366. 1974 (Pub. 1975)

032330 QP141.A1W4 1974
Vitamin C: report of trials with massive doses. Anderson, T W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 92-96. Ref. 1974 (Pub. 1975)

032331 QP141.A1W4 1974
[Human] iodine deficiency and toxicity. Gaitan, E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 56-63. Ref. 1974 (Pub. 1975)

032332 QP141.A1W4 1974
[Nutritional] trace element review. Mertz, W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 141-147. Ref. 1974 (Pub. 1975)

032333 SF95.W3 1975
Single cell protein—food or feed. Wayman, M; Obiaga, T I *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 54-66. 1975

032334 389.8 IN25
Vegetable protein for combating protein malnutrition in developing countries. Chandrasekhara, M R *Indian Food Pack* 29 (4): 47-55. Ref. July/Aug 1975

032335 442.8 IN2
Effect of the excessive feeding of dietary amino acids in rats. Lal, H; Agarwal, K N *Indian J Exp Biol* 13 (2): 156-159. Ref. Mar 1975

032336 442.8 IN2
Response of alanine, tyrosine & leucine aminotransferases to dietary pyridoxine & protein in rat tissues. Lalitha, K; Radhakrishnamurty, R *Indian J Exp Biol* 13 (2): 149-152. Ref. Mar 1975

032337 448.8 IN22
Effect of folic acid on serum and liver cholesterol in rats fed casein at two levels. Hatwalne, B V *Indian J Med Res* 63 (10): 1446-1450. Oct 1975

032338 TX1.155
Every body needs. *Instit/vol Feeding* 76 (5): 60-61, 73, 75, 77, 79 Mar 1, 1975

032339 16 IT1
Proteins: new sources and new formulations [Research projects, Italy]. (Ita) Treccani, V; Alfieri, D *Ital Agric* 112 (5): 47-49. May 1975

032340 381 J8223
Distribution of protein within sweetpotato roots (Ipomea batatas L.). Purcell, A E; Walter, W M Jr; Giesbrecht, F G *J Agric Food Chem* 24 (1): 64-66. Jan/Feb 1976

032341 381 J8223
Do carbonylamine browning reactions [in food] occur in vivo? [Tests with rats and human plasma]. Dillard, C J; Tappel, A L *J Agric Food Chem* 24 (1): 74-77. Ref. Jan/-Feb 1976

032342 381 J8223
Protein and amino acid changes in peanut (Arachis hypogaea L.) seeds infected with Aspergillus oryzae. Cherry, J P; Beuchat, L R; Young, C T *J Agric Food Chem* 24 (1): 79-85. Ref. Jan/Feb 1976

032343 381 J8223
Selenium content of soybean foods. Ferretti, R J; Levander, O A *J Agric Food Chem* 24 (1): 54-56. Ref. Jan/Feb 1976

032344 381 J8223
Simple, rapid quantitative determination of lysine and arginine [in wheat flour and rat tissues] by thin-layer chromatography. Bahl, S; Naqvi, S; Venkitasubramanian, T A *J Agric Food Chem* 24 (1): 56-59. Jan/Feb 1976

032344 389.8 AM34
Acceptability of three convenience chicken products. Farthing, M A C; Cassilly, J P *J Am Diet Assoc* 68 (2): 148-151. Ref. Feb 1976

032345 389.8 AM34
Comments on dietary intake of drug-dependent persons. Gambera, S E; Clarke, J A K *J Am Diet Assoc* 68 (2): 155-157. Feb 1976

032346 389.8 AM34
Computers in dietetics: state-of-the-art, 1976. Hoover, L W *J Am Diet Assoc* 68 (1): 39-42. Ref. Jan 1976

032347 389.8 AM34
"Dietan"—a computer-assisted program on anatomy and nutrition. Molleson, A *J Am Diet Assoc* 68 (1): 46-47. Jan 1976

032348 389.8 AM34
Dietary counseling for patients admitted for coronary artery bypass graft. Peterson, C R *J Am Diet Assoc* 68 (2): 158-159. Feb 1976

032349 389.8 AM34
Dietary regulation of serum lipids in healthy, young adults. Hill, P; Wynder, E L *J Am Diet Assoc* 68 (1): 25-30. Ref. Jan 1976

032350 389.8 AM34
Effect of a low-carbohydrate diet and alcohol on perceptual motor skill. McLaughlan, J M; Usher, D; Noel, F J; Moodie, C A *J Am Diet Assoc* 68 (2): 138-142. Ref. Feb 1976

032351 389.8 AM34
Evaluation of a low-lactose nutritional supplement in malnourished children. MacLean, William C Jr.; Graham, George G *J Am Diet Assoc* 67 (6): 558-564 Dec 1975

032352 389.8 AM34
Evaluation of a ghetto school breakfast program. Lieberman, H M; Hunt, I F; Coulson, A H; Clark, V A; Swendseid, M E; Ho, L *J Am Diet Assoc* 68 (2): 132-138. Ref. Feb 1976

032353 389.8 AM34
Food habits and nutrient intakes of Filipino women in Los Angeles. Lewis, Jane S; Glaspy, Maria Fe *J Am Diet Assoc* 67 (2): 122-125 Aug 1975

032354 389.8 AM34
Notes on the history of nutrition: Harold Hanson Mitchell (1886-1966)—in retrospect [Nutritionists]. Balsley, M B *J Am Diet Assoc* 68 (2): 152-154. Feb 1976

032355 389.8 AM34
Nutrition research and education in the age of Franklin [History]. Bing, F C *J Am Diet Assoc* 68 (1): 14-21. Ref. Jan 1976

032356 389.8 AM34
Nutritional status of Head Start and nursery school children. I. Food intake and anthropometric measurements. Cook, R A; Davis, S B; Radke, F H; Thornbury, M E *J Am Diet Assoc* 68 (2): 120-126. Ref. Feb 1976

032357 389.8 AM34
Nutritive content of college meals. II. Lipids. Walker, M A; Page, L *J Am Diet Assoc* 68 (1): 34-38. Ref. Jan 1976

032358 389.8 AM34
Practices and problems in HANES [Health and Nutrition Examination Survey]. Youland, D M; Engle, A *J Am Diet Assoc* 68 (1): 22-25. Jan 1976

032359 389.8 AM34
The dynamics of dietetics. Hallahan, I A *J Am Diet Assoc* 68 (2): 115-119. Ref. Feb 1976

032360 389.8 AM34
Validity of the 24-hr. Recall [Dietary surveys]. Madden, J P; Goodman, S J; Guthrie, H A *J Am Diet Assoc* 68 (2): 143-147. Ref. Feb 1976

032361 448.9 AM37
Dietary cholesterol control - for all infants? Selvey, Nancy *J Amer Med Assoc* 233 (6): 562 Aug 11, 1975

032362 448.9 AM37
Megavitamin therapy. Jukes, Thomas H *J Amer Med Assoc* 233 (6): 550-551 Aug 11, 1975

032363 448.9 AM37
Megavitamin this and megavitamin that. White, Philip L *J Amer Med Assoc* 223 (6): 538-539 Aug 11, 1975

032364 447.8 J826
The time-course of changes in mucosal architecture and epithelial cell production and cell shedding in the small intestine of the rat fed after fasting. Clarke, R M *J Anat* 120 (2): 321-327. Ref. Nov 1975

032365 389.9 C1632
Malnutrition in early childhood and some of its consequences for the individual and the community. Cravioto, J *J Can Diet Assoc* 36 (4): 254-277. Ref. 1975

032366 389.9 C1632
Nutrition in Sweden: research and public education. Hambraeus, L *J Can Diet Assoc* 36 (4): 229-239, 242-243. 1975

032367 475 J824
Determination of vitamin D3 and its isomers in D3 resins and in mixtures with vitamin A acetate. (Ger) Steuerle, H *J Chromatogr* 115 (2): 447-453. Ref. Eng. Sum. Dec 24, 1975

032368 381 J8225
Application of Carbowax 20M as an open-tubular liquid phase in analyses of nutritionally important fats and oils. Flanzy, J; Boudon, M; Leger, C; Pihet, J *J Chromatogr Sci* 14 (1, Special Issue, Pt. 3): 17-24. Ref. Jan 1976

032369 389.8 J823
Incorporation of sunflower seed meal in bread [to improve nutritional quality]. Jain, N C; Shiralkar, N D; Rao, B Y *J Food Sci Tech* 12 (3): 133-134. May/June 1975

032370 389.8 J823
Processing and nutritional evaluation of calcium caseinate [Protein supplement]. Srinivasan, M R; Rao, M V L; Srinivasan, K S *J Food Sci Tech* 12 (3): 117-119. Ref. May/June 1975

032371 321.8 J82
Are community nutrition programs meeting the needs of the elderly? Rankine, D C; Taylor, B *J Home Econ* 67 (6): 37-40. Nov 1975

032372 321.8 J82
Starvation. Parham, Ellen S *J Home Econ* 67 (6): 7-11 Nov 1975

032373 321.8 J82
Starvation [Human]. Parham, E S *J Home Econ* 67 (6): 7-11. Nov 1975

032374 275.9 N213
A challenge to make science education interesting and relevant: a case study in food science and nutrition for nonmajors. Francis, F J; Clydesdale, F M; Nawar, W W *J Natl Assoc Coll Teach Agric* 19 (2): 77-79. June 1975

032375 275.9 N213
Cottonseed [protein]: a technological breakthrough in the world food crisis. Harden, M L *J Natl Assoc Coll Teach Agric* 19 (2): 22-26. Ref. June 1975

032376 275.9 N213
The world food problem: a "course" of action for the future [on nutrition and food technology]. Labuza, T P *J Natl Assoc Coll Teach Agric* 19 (2): 79-83. June 1975

032377 TX341.J6
Factors influencing motivations in dieting. Berman, Edith Miller *J Nutr Educ* 7 (4): 155-159 Oct/Dec 1975

032378 TX341.J6
Food behavior and related factors of Puerto Rican-American teenagers. Duyff, Roberta; Sanjur, Diva; Nelson, Helen Y *J Nutr Educ* 7 (3): 99-103 July/Sept 1975

032379 TX341.J6
Intellectual convictions of "health" food consumers. Calvert, Gene Paul; Calvert, Susan W *J Nutr Educ* 7 (3): 95-98 July/Sept 1975

032380 TX341.J6
Nutrition update, 1975. Weininger, Jean; Briggs, George M *J Nutr Educ* 7 (4): 141-144 Oct/Dec 1975

032381 QP1.N5
Effect of cold acclimation on changes in blood metabolites induced by high-fat diet. Ohno, T; Kurahashi, M; Kuroshima, A *J Psychol Soc Jap* 37 (10): 310-312. Ref. Oct 1975

032382 474 K842
Is the menu all right for your child? [Nutrition]. (Ger) Holtmeier, H J *Kosmos* 72 (2): 61-66. Feb 1976

442.8 K84
Algae from mass cultures as potential source of proteins [for food and feed]. (Pol) Zurzycki, J *Kosmos, Ser A Biol* 24 (5): 427-441. Ref. 1975

442.8 K84
Biomass producton [for food and feed] on various substrates using microbiological processes. (Pol) Lorkiewicz, Z *Kosmos, Ser A Biol* 24 (4): 321-334. Ref. 1975

032383 TX341.L4 F&N
Peanut proteins as food supplements. Conkerton, Edith J; Ory, Robert L *League Int Food Educ* P. 1-3 Nov 1975

032384 442.8 L62
Selective effect of a maize diet in reducing serum and brain tryptophan contents and blood and brain serotonin levels. Zambotti, F; Carruba, M; Vicentini, L; Mantegazza, P *Life Sci* 17 (11): 1663-1670. Ref. Dec 1, 1975

032385 448.8 M56
Dietary protein, fat, and minerals in nephrocalcinosis in female rats. Kaunitz, H; Johnson, R E *Metabolism* 25 (1): 69-77. Ref. Jan 1976

032386 448.8 M56
Increased bone mineral content in young adults with familial hypophosphatemic vitamin D refractory rickets. Harrison, J E; Cumming, W A; Fornasier, V; Fraser, D; Kooh, S W; McNeill, K G *Metabolism* 25 (1): 33-40. Ref. Jan 1976

032387 448.8 M56
Lactate dehydrogenase and isoenzyme changes in rats with experimental thiamine deficiency. Hirota, Y; Cohen, E M; Bing, O H L *Metabolism* 25 (1): 1-8. Ref. Jan 1976

032388 448 G253
Laboratory aimals in nutritional research. Yang, M G; Mickelsen, O *Methods Anim Exp* 5: 1-40. Ref. 1974

032389 44.8 M5933
Nutritional physiological importance of drinks on whey basis for osmolarity. (Ger) Wagner, K H; Albig, K; Ali, A; Maiwald, K G *Milchwissenschaft* 30 (12): 724-729. Ref. Eng. Sum. Dec 1975

032390 389.8 M66
Dietetic habits and food consumptions by aged people in Piedmont; individual analysis. (Ita) Morisio Guidetti, L; Quaglino, R; Pasquino, G *Minerva Dietol* 15 (2): 45-51. Eng. Sum. Apr/June 1975

032391 389.8 M66
Supplementary vitamins as a dietetic problem with developing age. Dietotherapeutic approaches. (Ita) Rollandi, G *Minerva Dietol* 15 (2): 35-44. Ref. Eng. Sum. Apr/June 1975

032392 389.8 M66
Toxic and dystrophic manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. (Ita) Morisio Guidetti, L; Sarra, C; Boccignone, M; Longhi, L *Minerva Dietol* 15 (2): 57-59. Ref. Eng. Sum. Apr/June 1975

032393 44.8 M735
Lactobacilli in human nutrition [Milk]. (Ger) Speck, M L *Molk-Ztg Welt Milch* 29 (39): 1087, 1090. Sept 26, 1975

032394 1.941 S2F73
Nutritional review [Food consumption]. Friend, B; Marston, R; U.S. Dept. of Agriculture Economic Research Service *Natl Food Situation* 154: 26-32. Nov 1975

032395 1.941 S2F73
Nutritional review. Friend, Berta; Marston, Ruth *Natl Food Situation* P. 26-32 Nov 1975

032396 472 N21
Inhibition of plasmin-mediated fibrinolysis by vitamin E. Moroz, L A; Gilmore, N J *Nature* 259 (5540): 235-237. Ref. Jan 22, 1976

032397 412.628 N812
Single cell protein potential [Nutrition]. (Nor) Hvidsten, H *Nor Pelsdyrbl* 49 (10): 386-390. Ref. Oct 15, 1975

032398 TX341.N825
A new look at [edible] mushrooms [composition and food value]. Hayes, W A *Nutr Food Sci* 42: 2-6. Ref. Jan 1976

032399 TX341.N825
Fight against fatness. 2. Ashwell, M *Nutr Food Sci* 42: 8-10. Jan 1976

032400 TX341.N825
Whither [human] nutrition? Neuberger, A *Nutr Food Sci* 42: 6-7. Jan 1976

032401 389.8 N957
Contributions of microorganisms to foods and nutrition. Speck, Marvin L *Nutr News* 38 (4): 13, 16 Dec 1975

032402 1.982 A2N955
Homemakers' food and nutrition knowledge - implications for nutrition education. Walker, Mabel A *Nutr Program News* P. 1-4 May/June 1975

032403 1.982 A2N955
Metrication and the consumer [Food preparation]. Batcher, O M; U.S. Consumer and Food Economics Institute; U.S. Interagency Committee on Nutrition Education *Nutr Program News* 6 P. July/Aug 1975

032404 RC620.A1N8
Beneficial effect of zinc supplementation in young rats fed protein concentrate from rapeseed or mustard. Shah, B G; Jones, J D; McLaughlan, J M; Beare-Rogers, J L *Nutr Rep Int* 13 (1): 1-8. Ref. Jan 1976

032405 RC620.A1N8
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. Misra, R; Misra, U K; Venkitasubramanian, T A *Nutr Rep Int* 13 (1): 79-85. Ref. Jan 1976

032406 RC620.A1N8
Effect of anabolics on amino acid imbalance in short term experiments. IV. Effects of stanozolol on plasma proteins in rats [Nutrition]. Sanahuja, J C; Rio, M E; Slobodianik, N H; Oriozabala, M A; Infante, A *Nutr Rep Int* 13 (1): 53-64. Ref. Jan 1976

032407 RC620.A1N8
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. Subbulakshmi, G; Kumar, K G; Venkataraman, L V *Nutr Rep Int* L3 (1): 19-31. Ref. Jan 1976

032408 RC620.A1N8
Effect of germination on the biological value, digestibility coefficient and net protein utilization of some legume proteins. Venkataraman, L V; Jaya, T V; Krishnamurthy, K S *Nutr Rep Int* 13 (2): 197-205. Ref. Feb 1976

032409 RC620.A1N8
Effect of zinc supplementation on rats during pregnancy. Kumar, S *Nutr Rep Int* 13 (1): 33-36. Ref. Jan 1976

032410 RC620.A1N8
Femur zinc, magnesium, and calcium in rats fed Tower rapeseed (Brassica napus) protein concentrate. Momcilovic, B; Shah, B G *Nutr Rep Int* 13 (2): 135-142. Ref. Feb 1976

032411 RC620.A1N8
Gestational dietary methionine level effects on performance and methionine-load response in three generations of rats. Knipfel, J E; Elliot, J I *Nutr Rep Int* 13 (2): 143-157. Ref. Feb 1976

032412 RC620.A1N8
Intestinal uptake by starved-refed rats of sugars derived from disaccharides and from their monosaccharide equivalents. Michaelis, O E IV; Hallfrisch, J; Putney, J; Resier, S *Nutr Rep Int* 13 (1): 107-114. Ref. Jan 1976

032413 RC620.A1N8
Iron-loading: effect on the activity of liver ribosomes in protein synthesis in rats [Nutrition study]. Nandi Majumdar, A P *Nutr Rep Int* 13 (1): 9-17. Ref. Jan 1976

032414 RC620.A1N8
Late effect of premature weaning on blood cholesterol levelsin adult rats [Diet]. Hahn, P; Koldovsky, O *Nutr Rep Int* 13 (1): 87-91. Ref. Jan 1976

032415 RC620.A1N8
Modification of iron and copper metabolism by dietary starch and glucose in rats. Miller, J; Landes, D R *Nutr Rep Int* 13 (2): 187-195. Ref. Feb 1976

032416 RC620.A1N8
Sensitivity to physiological hunger cues: are the obese really different? Parham, E S; Keng, H C; Mohiuddin, I *Nutr Rep Int* 12 (6): 383-386 Dec 1975

032417 RC620.A1N8
Studies on the in vitro digestibility of starch in some legumes before and after germination. Ganesh Kumar, K; Venkataraman, L V *Nutr Rep Int* 13 (1): 115-124. Ref. Jan 1976

032418 RC620.A1N8
Supplementary foods for preschool children. Prasannappa, G; Chandrasekhara, H N; Padma Rani, R; Srinivasan, K S; Chandrasekhara, M R *Nutr Rep Int* 13 (1): 71-77. Ref. Jan 1976

032419 389.8 N953
Dietary fiber. Mendeloff, Albert I *Nutr Rev* 33 (11): 321-326 Nov 1975

032420 389.8 N953
Endemic goiter and antithyroid agents. *Nutr Rev* 33 (6): 171-172 June 1975

032421 389.8 N953
Histidine: an essential amino acid for normal adults. *Nutr Rev* 33 (7): 200-202 July 1975

032422 389.8 N953
Hypervitaminosis E and coagulation. *Nutr Rev* 33 (9): 269-270 Sept 1975

032423 389.8 N953
Immune deficiency in malnutrition. *Nutr Rev* 33 (11): 334-337 Nov 1975

032424 389.8 N953
Iron supplementation for gestational anemia: a model field trial. *Nutr Rev* 33 (11): 332-334 Nov 1975

032425 389.8 N953
Niacin. Darby, William J; McNut, Kristen W; Todhunter, E Neige *Nutr Rev* 33 (10): 289-297 Oct 1975

032426 389.8 N953
Nutrition science: an overview of American genius. Darby, W J *Nutr Rev* 34 (1): 1-14. Jan 1976

032427 389.8 N953
Oral feeding versus total parenteral nutrition in low birthweight infants. *Nutr Rev* 33 (9): 270-271 Sept 1975

032428 389.8 N953
Potassium depletion and impaired insulin release in proteinenergy malnutrition. *Nutr Rev* 34 (1): 16-18. Jan 1976

032429 389.8 N953
Prevention and therapy of diabetes mellitus. West, Kelly M *Nutr Rev* 33 (7): 193-198 July 1975

032430 389.8 N953
Requirement of vitamin B6 during pregnancy. *Nutr Rev* 34 (1): 15-16. Ref. Jan 1976

032431 389.8 N953
The endocrinology of adult protein-calorie malnutrition. *Nutr Rev* 33 (10): 299-302 Oct 1975

032432 389.8 N953
The influence of dietary fat on the composition of the body fat of infants. *Nutr Rev* 33 (8): 236-238 Aug 1975

032433 389.8 N953
The role of dietary carbohydrates in plaque formation and oral disease. Brown, Albert T *Nutr Rev* 33 (12): 353-361 Dec 1975

032434 389.8 N953
Vitamin E. Bieri, J G *Nutr Rev* 33 (6): 161-167 June 1975

032435 389.8 N953
Vitamin E therapy in premature babies. *Nutr Rev* 33 (7): 206-208 July 1975

032436 389.8 N953
Vitamin levels at term and in the neonate. *Nutr Rev* 33 (10): 298-299 Oct 1975

032437 389.8 N953
Zinc deficiency in sickle cell disease. *Nutr Rev* 33 (9): 266-267 Sept 1975

032438 389.8 N959
Diet for the diabetic child. Lister, J; Parker, P A *Nutrition* 29 (3): 135-140 May/June 1975

032439 QD431.A1P7 F&N
Energy and protein requirements - recommendations by a joint FAO/WHO informal gathering of experts. *Pag Bull* 5 (3): 30-41 Sept 1975

032440 QD431.A1P7 F&N
Nutrition, mother's health and fertility: the effects of childbearing on health and nutrition. Wishik, Samuel N; Van der Vynckt, Susan *Pag Bull* 5 (3): 11-17 Sept 1975

032441 QD431.A1P7 F&N
Nutritional nuances of the term preschool child and the need for precise definition. Venkatachalam, P S *Pag Bull* 5 (3): 27-29 Sept 1975

032442 RJ1.P44 F&N
Emotional aspects of obesity in children. Bruch, Hilde *Pediatric Annals* 4 (5): 91-99 May 1975

032443 RJ1.P44 F&N
Obesity and the question of cholesterol reduction in infancy and childhood. Davidson, Murray *Pediatric Annals* 4 (5): 101-111 May 1975

032444 RJ1.P42
Breast-feeding: first thoughts. Weichert, Carol *Pediatrics* 56 (6): 987-990 Dec 1975

032445 275.29 IO9PA
Zucchini squash [Recipes]. Olson, P; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 664, 2 P. Dec 1975

032446 275.29 W27PN
Choosing and using western vegetables [Recipes]. Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 45, Rev., 17 P. Jan 1976

032447 275.29 W27PN
Food facts versus fads. Meakin, E; Wilson, E; Forest, J; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 59, Rev., 20 P. July 1975

032448 SF481.P642
The nutritive value of egg. Wesley, R L *Poult Patrika* 4 (3): 94. Mar 1975

032449 389.9 N953
Epidemiological and dietary aspects of rickets and osteomalacia. Stephen, Joan M L *Proc Nutr Soc* 34 (2): 131-138 Sept 1975

032450 389.9 N953
The influence of some dietary factors on cholesterol metabolism. Myant, N B *Proc Nutr Soc* 34 (3): 271-278 Dec 1975

032451 442.9 SO1
Effect of accute infection and endotoxemia on zinc absorption in the rat. Pekarek, R S; Evans, G W *Proc Soc Exp Biol Med* 150 (3): 755-758. Ref. Dec 1975

032452 442.9 SO1
Influence of dietary carbohydrate on copper, iron, and zinc status of the rat. Landes, D R *Proc Soc Exp Biol Med* 150 (3): 686-689. Ref. Dec 1975

032453 21 R862
Nutritional value of starchy food with addition of soybeans [Rats]. (Rum) Gontea, I; Gorcea, V *Prod Veg Cereale Plante Teh* 27 (6): 28-32. Eng. Sum. June 1975

032454 LB3401.S35 F&N
The essentiality of zinc. Hurley, Robert S *School Health Review* 5 (3): 10-11 May/-June 1974

032455 470 SCI2
Brain acetylcholine: control by dietary choline. Cohen, E L; Wurtman, R J *Science* 191 (4227): 561-562. Ref. Feb 13, 1976

032456 470 SCI2
Malnutrition and environmental enrichment by early adoption. Winick, Myron; Meyer, Knarig Katchadurian; Harris, Ruth C *Science* 190 (4220): 1173-1175 Dec 19, 1975

032457 470 SCI2
Vitamin A: not required for adrenal steroidogenesis in rats. Gruber, K A; O'Bien, L V; Gerstner, R *Science* 191 (4226): 472-475. Ref. Feb 6, 1976

032458 470 SCI2
Wheat gluten as a pathogenic factor in schizophrenia [Cereal grain-free and milk-free diet]. Singh, M M; Kay, S R *Science* 191 (4225): 401-402. Ref. Jan 30, 1976

032459 S13.S44
Methods of the evaluation of the nutritive value of protein in rye grain. (Rus) Kubichek, R; Mol'ski, B *S-kh Biol* 10 (2): 294-303. Ref. Eng. Sum. Mar/Apr 1975

032460 61.8 SV2
The value of rape protein for human consumption. (Swe) Ohlsson, R *Sven Frotidn* 44 (4): 60-61. Apr 15, 1975

032461 421 T21
Studies on the acridoid genera Opiptacris Walker and Bumacris Willemse (Orthoptera, Acridoidea). Willemse, F *Tijdschr Entomol* 118 (6): 117-158. Ref. 1975

032462 QD415.A1B58
Activation of trypsinogen in the normal and coeliac intestine [damaged by the gliadin fraction of wheat and other cereals]. Phelan, J J; Keane, R; Fottrell, P F *Trans Biochem Soc* 3 (6): 1221-1223. 1975

032463 QD415.A1B58
Effect of maternal malnutrition on intra-uterine growth of the human foetus. Shariff, A; Khan, S; Rahman, M A *Trans Biochem Soc* 3 (6): 1047-1048. Ref. 1975

032464 26 T756
Yams as a source of edible protein. Francis, B J; Halliday, D; Robinson, J M *Trop Sci* 17 (2): 103-110. Ref. 1975

032465 386.3 B54
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated ergosterol solutions and sunlight intensity. (Jpn) Kobayashi, T; Yasumura, M; Deumi, Y *Vitamin* 49 (9/10): 373-379. Eng. Sum. Sept/Oct 1975

032466 386.3 B54
Studies on the formation of vitamin D by sunlight irradiation of provitamin D. III. Yearly variation of ultraviolet light intensity in sunlight. (Jpn) Kobayashi, T; Yasumura, M; Deumi, Y *Vitamin* 49 (9/10): 381-385. Eng. Sum. Sept/Oct 1975

032467 389.8 V85
Behavioral therapy relating to obesity [Eating habits]. (Dut) Kuys, J; Plomp, J; Schouten, W *Voeding* 36 (1): 16-18. Jan 15, 1975

032468 389.8 V85
Development of a computerized system for processing data obtained from nutrition questionnaires. (Dut) Hautvast, J G A J *Voeding* 36 (7): 356-360. Eng. Sum. July 15, 1975

032469 389.8 V85
Nutrition as part of the medical school curriculum. (Dut) Wijn, J F de *Voeding* 36 (8): 382-390. Aug 15, 1975

032470 389.8 V85
Planning activities in the area of nutrition legislation. (Dut) Schuddeboom, L J *Voeding* 36 (9): 477-482. Sept 15, 1975

032471 389.8 V85
Protein and caloric requirements of fast-growing young babies and their relationship to undernourished children. (Dut) Jonxis, J H P *Voeding* 36 (1): 10-15. Jan 15, 1975

032472 389.8 V85
Research concerning the effect of the educational campaign "Health orders" [Nutrition]. (Dut) Dirks, O B; Klinkert, L M; Nijstad, J; Schaik, T F S M van *Voeding* 36 (1): 4-6. Jan 15, 1975

032473 389.8 V85
The acid-based ratio of minerals in nutrition and the work of Ragnar Berg concerning their influence on the protein requirements of man. (Dut) Hellendoorn, E W *Voeding* 36 (9): 462-476. Ref. Sept 15, 1975

032474 389.8 V85
The epidemiology of breast feeding [Nutrition, immunity]. (Dut) Voorhoeve, H W A; Booy, R W *Voeding* 36 (7): 338-345. Ref. Eng. Sum. July 15, 1975

032475 389.8 V85
The importance of sugar in the nutritional management of the Dutch population. (Dut) Schaik, T F S M van *Voeding* 36 (8): 394-404, 407-421. Ref. Aug 15, 1975

032476 389.8 V85
The role of sugar in the development of dental caries [Streptococcus]. (Dut) *Voeding* 36 (8): 422-427. Ref. Aug 15, 1975

032477 389.8 V85
The science of nutrition, a comprehensive definition. (Dut) Szczygiel, A *Voeding* 36 (9): 483-487. Sept 15, 1975

032478 389.8 V85
The [health] educational campaign (Beginning 1968 to the middle of 1970) [Nutrition]. (Dut) Klinkert, L M *Voeding* 36 (1): 6-9. Jan 15, 1975

032479 389.8 V89
Activity of phosphofructokinase in some organs of guinea pigs with different ascorbic acid allowances of their organism. (Rus) Shevchenko, V I *Vopr Pitan* 5: 24-27. Ref. Eng. Sum. Sept/Oct 1975

032480 389.8 V89
Alimentary osteopathies. (Rus) Kotsian, I *Vopr Pitan* 4: 8-21. Ref. Eng. Sum. July/Aug 1975

032481 389.8 V89
Clearance of endogenous creatinine and urea in pregnant women with late toxemia kept on a diet containing different amounts of protein. (Rus) Tishchenko, V K; Didenko, L V *Vopr Pitan* 5: 38-40. Ref. Eng. Sum. Sept-/Oct 1975

032482 389.8 V89
Comparative evaluaton of beef and pork. (Rus) Morgun, E M; Bugaeva, A A *Vopr Pitan* 5: 79-80. Sept/Oct 1975

032483 389.8 V89
Determination of the transketolase activity in erythrocytes in studying the consumption of vitamin B1 by the population. (Rus) Knapp, A; Lins, G; Hoffman, I; Schvok, E *Vopr Pitan* 5: 3-7. Ref. Sept/Oct 1975

032484 389.8 V89
Evaluation of methods for protein enrichment of buns for children in the Hungarian People's Republic. (Rus) Balla, F *Vopr Pitan* 5: 87. Sept/Oct 1975

032485 389.8 V89
Features specific for the influence exerted by excess amounts of qualitatively differing fats on liver lipogenesis. (Rus) Liapkov, B G; Markelova, V F; Rudich, L V *Vopr Pitan* 5: 49-52. Ref. Eng. Sum. Sept/Oct 1975

032486 389.8 V89
Food enrichment with iron to prevent its deficiency (Literature survey). (Rus) Gurvich, M I *Vopr Pitan* 4: 3-8. Ref. July/Aug 1975

032487 389.8 V89
Free amino acids of the human blood serum with endogenous alimentation. (Rus) Usacheva, N T; Ekimovskii, A P *Vopr Pitan* 5: 35-38. Ref. Eng. Sum. Sept/Oct 1975

032488 389.8 V89
Influence of an anti atherosclerotic diet containing a protein enrichment agent on the clinico-biochemical indices in patients with Ischemic heart disease. (Rus) Samsonov, M A; Paramonova, E G; Chunakova, E P; Sycheva, A N; Meshcheriakova, V A; Skavronskii, V I *Vopr Pitan* 4: 36-40. Ref. Eng. Sum. July/Aug 1975

032489 389.8 V89
Influence of different amounts of alimentary protein on the age-specific feaures of the protein synthesis. (Rus) Grigorov, IU G; Medovar, B IA *Vopr Pitan* 4: 28-31. Ref. Eng. Sum. July/Aug 1975

032490 389.8 V89
Influence of qualitatively differing fats on the cholesterol level ina the liver and blood serum in cases of choline-proteinic deficiency. (Rus) Ostrianina, A D; Sergeeva, K V *Vopr Pitan* 4: 21-25. Ref. Eng. Sum. July-/Aug 1975

032491 389.8 V89
Influence of reduced diets on the glucose-6-phosphate-dehydrogenase activity of the fatty tissue in patients with metabolic-alimentary adiposity. (Rus) Beiul, E A; Frolova, I A; Oleneva, V A; Mokina, M N *Vopr Pitan* 4: 40-44. Ref. Eng. Sum. July-/Aug 1975

032492 389.8 V89
Influence of riboflavin on xanthuria developing as a result of protein and choline deficiency. (Rus) Smirnova, M G; Ekimovskii, A P *Vopr Pitan* 5: 46-49. Ref. Eng. Sum. Sept-/Oct 1975

032493 389.8 V89
Lipid metabolism in the extreme north aboriginals residing in the Krasnoyarsk territory [Nutrition]. (Rus) Vlasova, N V; Gitel'zon, I I; Okladnikov, IU N *Vopr Pitan* 5: 53-56. Ref. Eng. Sum. Sept/Oct 1975

032494 389.8 V89
Metabolism of A cobalt 58 [isotope]-tagged vitamin B12 in normal and fasting albino rats. (Rus) El'kina, G I; Khudadov, G D *Vopr Pitan* 4: 25-28. Eng. Sum. July/Aug 1975

032495 389.8 V89
On the estrogenic effect of white cabbage (Brassica oleraceae) [Tested on mice]. (Rus) Kondrashova, V M; Gorianov, O A *Vopr Pitan* 4: 73-75. Eng. Sum. July/Aug 1975

032496 389.8 V89
Oxidative conversion of vitamin A in rats with different allowances of it. (Rus) Eremina, G V; Sokolova, L I; Natanson, A O *Vopr Pitan* 5: 7-12. Ref. Eng. Sum. Sept/Oct 1975

032497 389.8 V89
Redox state of the hepatic cells in rats receiving a diet containing 1,2-propanediol. (Rus) Velikii, N N; Parkhomets, P K; Simonova, N IA *Vopr Pitan* 5: 40-46. Ref. Eng. Sum. Sept/Oct 1975

032498 389.8 V89
The activity of glutathione-reductase and flavin adenine dinucliotide effect as indicators of the riboflavin allowance in experiments and in patients with phenylketonuria. (Rus) Kastrikina, L N; Churdaleva, E V; Spirichev, V B; Kopylova, N V; Rybakova, E P; Ladodo, K S *Vopr Pitan* 5: 12-18. Ref. Eng. Sum. Sept/Oct 1975

032499 389.8 V89
The effect of storage and culinary treatment of irradiated potatoes on the cytogenetic activity of extracts obtained from them. (Rus) Osipova, I N; Shillinger, IU I; Zaitsev, A N *Vopr Pitan* 4: 54-57. Ref. Eng. Sum. July-/Aug 1975

032500 389.8 V89
The effect of the vitamins A and E on the amino acids composition of proteins in different segments of the brain in old animals [Rats]. (Rus) Leutskii, K M; Kogut, P P *Vopr Pitan* 5: 21-24. Ref. Eng. Sum. Sept/Oct 1975

032501 389.8 V89
Trace elements content in chicken meat. (Rus) Khamidullina, L *Vopr Pitan* 4: 79-80. July/Aug 1975

032502 389.8 V89
Vitamin B1 and immunity: available data and issues subject to further studies. (Rus) Lutsiuk, N B; Morozova, A K *Vopr Pitan* 5: 56-61. Ref. Sept/Oct 1975

032503 389.8 V89
[Maize] dialdehyde starches and their hygienic evaluation [in the diet]. (Rus) Zaitsev, A N; Maganova, N B *Vopr Pitan* 4: 65-69. Ref. Eng. Sum. July/Aug 1975

032504 449.9 W892T
Control of nutritional anaemia with special reference to iron deficiency. *W H O Tech Rep Ser* 580, 71 P. Ref. 1975

032505 389.1 W892
Sugar in the diet of man. Stare, F J *World Rev Nutr Diet* 22: 237-326 1975

032506 389.1 W892
Sugar in the diet of man; a summary. Deutsch, Ronald M *World Rev Nutr Diet* 22: 237-326 1975

032507 1 AG84Y
Are we what we eat? Nutrition and health. Ritchey, S J; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 289-298. 1975

032508 1 AG84Y
High altitude cooking, baking: some tips for the housewife. Lorenz, K; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 281-288. 1975

032509 1 AG84Y
Home food preparation undergoes big changes. Porter, J M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 250-260. 1975

032510 1 AG84Y
Vitamins are discovered by agricultural research. Vickery, H B; Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 41-46. 1975

032511 LB1101.Y6 F&N
Menus for toddler day care: food preference and spoon use. Twardosz, Sandra; Cataldo, Michael F; Risley, Todd R *Young Children* 30 (2): 129-144 Jan 1975

032512 384 Z39
Changes in the nutrient and energy content in defined parts of the veal calf. (Ger) Neesse, K R; Kirchgessner, M *Z Lebensm Unters Forsch* 159 (4): 193-203. Ref. Eng. Sum. 1975

HOME ECONOMICS

032513 26 H27
Purchase of knitwear. (Heb) Dabnikov, H *Hassadeh* 56 (2): 312. Nov 1975

032514 TX1.H63
Construct validity of Creekmore's clothing questionnaire. Gurel, L M; Deemer, E M *Home Econ Res J* 4 (1): 42-47. Ref. Sept 1975

032515 TX1.H63
Household textiles consumption by farm and city families: assortment owned, annual expenditures, and sources. Winakor, G *Home Econ Res J* 4 (1): 2-26. Ref. Sept 1975

032516 TX1.H63
Person and costume: effects on the formation of first impressions [Clothing]. Conner, B H; Peters, K; Nagasawa, R H *Home Econ Res J* 4 (1): 32-41. Ref. Sept 1975

032517 A321.9 AG8
Homemakers' food and nutrition knowledge, practices, and opinions. Walker, M A; Hill, M M; U.S. Dept. of Agriculture *Home Econ Res Rep Agric Res Serv U S Dep Agric* 39, 16 P. Nov 1975

032518 1 AG84HG
Clothing repairs [Sewing]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 107, 29 P. 1965 (Pub. 1975)

032519 22 IN283
A better home-maker. Phadnis, L *Indian Farming* 25 (8): 59, 68. Nov 1975

032520 321.8 J82
A "no-growth" economy by the 1980's? Implications for the American family. Metzen, E J *J Home Econ* 67 (6): 12-15. Nov 1975

032521 321.8 J82
Saving electricity with household appliances [Home economics]. Butel, J *J Home Econ* 67 (6): 20-22. Nov 1975

032522 321.8 J82
Stretching dollars for the umemployed [Home economics]. Ford, W F *J Home Econ* 67 (6): 34-36. Nov 1975

032523 321.8 J82
The case of the late Mrs. Smith, homemaker: preparing testimony for the court [Home economics]. Hall, F T *J Home Econ* 67 (6): 30-33. Nov 1975

032524 321.8 J82
The ecology of product design [Home economics]. Holding, R L *J Home Econ* 67 (6): 16-19. Nov 1975

032525 275.29 IO9PA
The second half of your life (planning for retirement) [Nutrition, home management]. Banyas, J comp; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 656, 55 P. Nov 1975

032526 1 AG84Y
Lots of better things for home sweet home [Management]. Porter, J M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 261-266. 1975

FOOD AND NUTRITION—HISTORY

032527 LB2831.A4 F&N
Vending machines don't have to be villains. *Amer School Board J* 162 (10): 27 Oct 1975

032528 S1.A5 F&N
Impacts of agricultural trade on food and fiber section of the U.s. economy. Schluter, Gerald *Consumer News* (4): 15-28 Sept 1975

032529 TX341.F69
Foodservice celebrates the American Bicentennial. *Food Management* 10 (7): 24-25 July 1975

032530 TX341.F69
The business of nutrition. Gardner, Jerry G *Food Management* 10 (7): 21-22 July 1975

032531 TX341.F69
Why Ben Hudik went frozen preplate. *Food Management* 10 (10): 46-48, 68 Oct 1975

032532 QP141.A1F6 F&N
Assessment of the world food situation - present and future; summary and main findings. *Food Nutr (FAO)* 1 (1): 8-13 1975

032533 QP141.A1F6 F&N
Dimensions and causes of hunger and malnutrition. *Food Nutr (FAO)* 1 (1): 17-26 1975

032534 QP141.A1F6 F&N
The food problem of the future. *Food Nutr (FAO)* 1 (1): 27-40 1975

032535 389.8 F7398
Does it matter how many of us there will be? Handler, Philip *Food Technol* 29 (8): 46, 48, 50, 52 Aug 1975

032536 389.8 F7398
Government policy and the world food supply. Curtis, Carl T *Food Technol* 29 (8): 54 Aug 1975

032537 389.8 F7398
Nonagricultural sources of food. Flannery, Robert J *Food Technol* 29 (8): 64, 66 Aug 1975

032538 389.8 F7398
The status of world food trade. Borgstrom, Georg *Food Technol* 29 (8): 60, 62 Aug 1975

032539 389.8 F7398
The U.S. Role in the world food supply. Lyng, Richard *Food Technol* 29 (8): 56, 58 Aug 1975

032540 81 UN34
Kohlrabi 2d ed. Rev. *Fruit Veg Facts Pointers* P. 1-8 Sept 1975

032541 81 UN34
Persians 2d ed. Rev. *Fruit Veg Facts Pointers* P. 1-11 Aug 1975

032542 81 UN34
Spinach 4th ed. Rev. *Fruit Veg Facts Pointers* P. 1-22 July 1975

032543 81 UN34
Squash 3d ed. Rev. *Fruit Veg Facts Pointers* P. 1-34 Oct 1975

032544 TX1.I55
ARA's nutrition rainbow leads school lunch to gold. *Instit/vol Feeding* 75 (9): 101 May 1, 1975

032545 TX1.I55
Can fast service save the campus? Raskin, Betsy *Instit/vol Feeding* 75 (10): 60-61 Nov 15, 1975

032546 TX1.I55
Fast food concepts invade uncommon markets. *Instit/vol Feeding* 77 (2): 51 July 15, 1975

032547 321.8 J82
World food supplies and America's resources: a review. *J Home Econ* 67 (6): 4-6 Nov 1975

032548 389.8 N953
Nutrition, food needs and technologic priorities: the WorldFood Conference. Darby, William J *Nutr Rev* 33 (8): 225-234 Aug 1975

032549 389.9 N953
Famines of history and of today. McCance, R A *Proc Nutr Soc* 34 (3): 161-166 Dec 1975

032550 389.9 N953
Some obstacles to eliminating famine. Pirie, N W *Proc Nutr Soc* 34 (3): 181-186 Dec 1975

032551 389.8 SCH6
Christmas and colonial life in the 1700's. Todhunter, E Neige *Sch Foodserv J* 29 (10): 48, 52 Nov/Dec 1975

032552 389.8 SCH6
Colonial Christmas offers classroom fun. Courtney, Carolyn *Sch Foodserv J* 29 (10): 49 Nov/Dec 1975

032553 389.8 SCH6
Cranberries: after the bounce. Manhard, Orm *Sch Foodserv J* 19 (10): 56 Nov/Dec 1975

032554 389.8 SCH6
Liberty Bell rings of good nutrition. Wittenberger, Ethel *Sch Foodserv J* 29 (10): 57 Nov/Dec 1975

032555 470 SCI2
The world food prospect. Brown, Lester R *Science* 190 (4219): 1053-1059 Dec 12, 1975

032556 H62.A1S6 F&N
The changing face of global food scarcity. Brown, Lester R; Eckholm, Erik P *Social Ed* 38 (7): 640-643 Nov/Dec 1974

032557 TX946.5.I5 F&N
Academic route to greater efficiency. *Staff Welfare Catering* P. 26-27, 29 Dec 1975

032558 TX946.5.I5 F&N
In the USA it's a whole new ball game. Harris, Doug *Staff Welfare Catering* P. 16-18 Dec 1975

032559 HD5483.V4
ARA vends nutritious foods and beverages in 2 N.J. High schools. *Vending Times* 15 (12): 7 Dec 1975

032560 HD5483.V4
Clydesdale assails food faddists, calls for increased education push; targeting on productivity. *Vending Times* 15 (11): 19, 25, 57 Nov 1975

032561 HD5483.V4
High school vender product sales average less than 4 items per month for each student. *Vending Times* 15 (12): 7 Dec 1975

FOOD AND NUTRITION—STANDARDS AND LEGISLATION

032562 389.8 SCH6
Child nutrition: a long way to go. *Sch Foodserv J* 29 (8): 47-50 Sept 1975

FOOD AND NUTRITION—MANAGEMENT AND ADMINISTRATION

032563 TX901.C67
Developing department standards. Beyer, Charles E; Buchanan, Pauline *Cornell Hotel Restaurant Admin Quarterly* 16 (3): 70-75, 81 Nov 1975

032564 TX341.F69
Being accountable. Martin, Josephine *Food Management* 10 (12): 13-14 Dec 1975

032565 TX341.F69
Can foodservice handle the pressure? Martin, Josephine *Food Management* 10 (10): 27-28 Oct 1975

032566 TX341.F69
Managing robots or people? Dohrman, Kent *Food Management* 10 (7): 19-20 July 1975

032567 TX341.F69
Problem: how to erase a $500,000 deficit; solution: a free flow dining program. *Food Management* 10 (8): 65 Aug 1975

032568 TX341.F69
Problem: how to improve employee morale; solution: switch to a four-day week. *Food Management* 10 (7): 50 July 1975

032569 TX341.F69
Problem: how to offer low cost meals; solution: mandatory meal tickets. *Food Management* 10 (12): 45 Dec 1975

032570 TX341.F69
Service systems: bicentennial foodservice. *Food Management* 10 (7): 38-41 July 1975

032571 TX341.F69
The minimum wage and foodservice. *Food Management* 10 (12): 28-31 Dec 1975

032572 ATX341.F615
How two lunch programs save money. Rhodes, Ronald J; D'Arrezo, Carol M *Food Nutr* 5 (6): 8-10 Dec 1975

032573 389.2538 F732
Communicating with employees; giving directions and orders that get results, part 2. Buchanan, Robert D *Food Serv Mark* 37 (10): 24, 28, 33-34 Oct 1975

032574 TX1.I55
College students recruited for war on food waste. *Instit/vol Feeding* 75 (7): 39 Oct 1, 1975

032575 TX1.I55
Type A lunches win high marks at Bethel Park Schools. *Instit/vol Feeding* 77 (9): 39 Nov 1, 1975

032576 TX1.I55
U. Of Penn. Salvages meal contracts. *Instit/vol Feeding* 77 (11): 25 Dec 1, 1975

032577 TX1.I55
Waltham beats the high cost of small system hot feeding. *Instit/vol Feeding* 76 (4): 47 Feb 15, 1975

032578 TX1.I55
Who can't use lower cost and high quality? Kahrl, William L *Instit/vol Feeding* 76 (5): 19-20 Mar 1, 1975

032579 TX1.I55
1975 menu census. *Instit/vol Feeding* 76 (7): 71-75, 89, 91, 93, 95, 97 Apr 1, 1975

032580 280.8 J824
A law of diminishing returns in organizational behavior? Davis, Keith *Personnel J* 54 (12): 616-619 Dec 1975

032581 280.8 J824
Determining the training needs of managers. Wessman, Fred *Personnel J* 54 (2): 109-113, 125 Feb 1975

032582 280.8 J824
Packages for progress: team goal-setting techniques. King, Dennis C *Personnel J* 54 (12): 606-608 Dec 1975

032583 280.8 J824
Structural planning in organizational development: an often neglected aspect. Hollingsworth, A T; Hass, Jane W *Personnel J* 54 (12): 613-615 Dec 1975

032584 280.8 J824
The encouragement of employee creativity and initiative. Jantz, Alfred H *Personnel J* 54 (9): 476-477, 500-501 Sept 1975

032585 389.8 SCH6
Business booms with burger bars. Lucas, Edward; Lyman, William *Sch Foodserv J* 29 (10): 36, 38-40, 42 Nov/Dec 1975

032586 389.8 SCH6
Pay to stay in lunchroom. *Sch Foodserv J* 29 (10): 34-35 Nov/Dec 1975

FOOD AND NUTRITION—EDUCATION AND TRAINING

032587 LB1043.A815
Preparing a slide-tape program: a step-by-step approach, part 2. Ryan, Mack *Audiovisual Instruction* 20 (9): 36-39 Nov 1975

032588 LB1043.A815
Relevance check for self-instructional packages. Thiagarajan, Sivasailam *Audiovisual Instruction* 20 (9): 6-7 Nov 1975

032589 HV701.D38 F&N
Food teaches: the recipe as lesson plan. Anselmo, Sandra *Day Care And Early Ed* 3 (1): 32-33 Sept/Oct 1975

032590 TX341.F69
How to communicate. Berkman, Jerome *Food Management* 10 (12): 11-12 Dec 1975

032591 389.9 AU73
TV advertising and its effects on children's eating habits. Tebbutt, M W *Food Nutr Notes Rev* 32 (7/8): 113-118 July/Aug 1975

032592 GF1.H8 F&N
Continuing education for extension agents. Miller, Nancy; Botsman, Peter B *Human Ecol Forum* 6 (2): 14-17 Fall 1975

032593 LC1041.I42 F&N
Personality, perserverance, planning = prepared students. Keating, Lynne Rae *Ill Career Ed J* 32 (1): 10-11 Autumn 1974

032594 TX1.I55
Better educate than legislate nutrition info. *Instit/vol Feeding* 76 (4): 35 Feb 15, 1975

032595 TX1.I55
Culinary apprenticeships earn respect from labor, management. *Instit/vol Feeding* 76 (4): 31-32 Feb 15, 1975

032596 389.8 AM34
Use of instructional television: a shared program. Thompson, Mary Louise; Chatlin, Judith A; Balestrieri, Marianne *J Am Diet Assoc* 67 (6): 573-576 Dec 1975

032597 449.8 J824
Wisconsin city requires food managers course. Hillmer, Harold *J Environ Health* 36 (6): 543 May/June 1974

032598 TX341.J6
A personalized university course in nutrition. Cross, Marie Z; Semb, George *J Nutr Educ* 7 (4): 149-151 Oct/Dec 1975

032599 TX341.J6
Construction and validation of a nutrition test. Prefontaine, Marielle *J Nutr Educ* 7 (4): 152-154, 172 Oct/Dec 1975

032600 TX341.J6
Integration of nutrition in medical education. Young, Eleanor A; Weser, Elliot *J Nutr Educ* 7 (3): 112-115 July/Sept 1975

032601 TX341.J6
Live action drama teaches nutrition. *J Nutr Educ* 7 (3): 115-116 July/Sept 1975

032602 TX341.J6
Teens teach children nutrition. Shoup, Esther W *J Nutr Educ* 7 (3): 107-108 July/-Sept 1975

032603 TX341.J6
Toward a new "American mentality". Manoff, Richard K *J Nutr Educ* 7 (4): 139-140 Oct/Dec 1975

032604 389.8 N957
Food and nutrition minicourse. Picardi, Shirley M *Nutr News* 38 (4): 15 Dec 1975

032605 389.8 N957
Nutrition and regional foods cookery. Smith, Euna *Nutr News* 38 (4): 14 Dec 1975

032606 280.8 J824
Successful staff meetings. La Sota, Peter E; Zawacki, Robert A *Personnel J* 54 (1): 27-28, 63-64 Jan 1975

032607 389.8 SCH6
Colonial Christmas: bicentennial classroom activities. *Sch Foodserv J* 29 (10): 50-52 Nov/Dec 1975

032608 389.8 SCH6
Working and learning in school foodservice. Curry, Mabel; Toma, Ramses *Sch Foodserv J* 29 (10): 66, 69-71 Nov/Dec 1975

032609 TX946.5.I5 F&N
Are OND/HND courses really on the ball? *Staff Welfare Catering* P. 37 Dec 1975

032610 249.38 SU72
Absenteeism, part 1: how to analyze causes and effects. Shore, Harvey H *Supervisory Management* 20: 9-16 Sept 1975

032611 HF1101.T7 F&N
6 blocks to innovation. Morehead, Bill *Training* 12 (11): 36-37 Nov 1975

032612 BF636.T7
Stepping back to basics: defining performance expectations for operations supervisors. Cover, William H *Training Dev J* 29 (11): 3-5 Nov 1975

032613 BF636.T7
What an executive should know about organization development. Tagliere, Daniel A *Training Dev J* 29 (7): 34-40 July 1975

MENU PLANNING

032614 TX901.C65
Western chicken teriyaki with curried peaches. *Cooking for Profit* 43 (287): 46-47 Nov 1975

032615 TX341.F69
Computerizing your menu selections. Balintfy, Joseph *Food Management* 10 (12): 15-16 Dec 1975

032616 389.8 AM34
A computer-tallied menu system. Orser, Jean; Mutschler, Mary *J Am Diet Assoc* 67 (6): 570-572 Dec 1975

032617 TX341.J6
A guide to good eating the vegetarian way. Smith, Elizabeth B *J Nutr Educ* 7 (3): 109-111 July/Sept 1975

032618 389.8 SCH6
Liberty Bell. Lordon, Lorraine *Sch Foodserv J* 29 (10): 53-55 Nov/Dec 1975

032619 TX341.T9 F&N
School lunches go buffet. *Type A Topics* P. 1-3 Dec 1975

FOOD PREPARATION AND PRODUCTION

032620 TX901.C65
Au gratin sandwiches. *Cooking for Profit* 44 (294): 24-27 June 1975

032621 TX901.C65
Turkey, turkey, turkey! *Cooking for Profit* 43 (287): 30-33, 57 Nov 1975

032622 TX341.F69
Deep fat frying & hospitals. Boss, Donna *Food Management* 10 (12): 38-41, 58 Dec 1975

032623 TX341.F69
Methods of cooking. Avery, Arthur *Food Management* 10 (8): 54-56, 83-84 Aug 1975

032624 HD9000.1.F64
Convenience plus versatility match growing consumer interest in home baking. McCormick, Richard D *Food Prod Dev* 9 (10): 20 Dec 1975

032625 389.2538 F732
New ways to make meat & potatoes. *Food Serv Mark* 37 (9): 33-34, 36, 38 Sept 1975

032626 TX1.I55
A cool collection of cold platters. *Instit/vol Feeding* 77 (3): 40-41, 52-53 Aug 1975

032627 TX1.I55
A dash of spice. Weiss, Steve *Instit/vol Feeding* 77 (11): 42-43 Dec 1, 1975

032628 TX1.I55
Almondized menus win patrons' ayes. *Instit/vol Feeding* 76 (8): 27 Apr 15, 1975

032629 TX1.I55
Citrus: golden fruit on the menu yields gold. *Instit/vol Feeding* 77 (11): 29 Dec 1, 1975

032630 TX1.I55
Flavors that sell preserve the sweet taste of success. *Instit/vol Feeding* 76 (10): 25 May 15, 1975

032631 TX1.I55
Fowl play: processors swell selections of egg products. Weiss, Steve *Instit/vol Feeding* 77 (12): 33 Dec 15, 1975

032632 TX1.I55
Keep the cookie jar filled. Blair, Eulalia *Instit/vol Feeding* 75 (9): 54-55 Nov 1, 1975

032633 TX1.I55
Noon-to-midnight specials: snacks and mini meals. Blair, Eulalia *Instit/vol Feeding* 77 (10): 52-54, 65 Nov 15, 1975

032634 TX1.I55
Popularity of peanut butter is spreading. *Instit/vol Feeding* 76 (2): 49 Jan 15, 1975

032635 TX1.I55
Presto-chango: turn leftovers into menu magic. *Instit/vol Feeding* 75 (9): 89 May 1, 1975

032636 TX1.I55
Rice: going with the grain for profits. Weiss, Steve *Instit/vol Feeding* 77 (9): 43-44 Nov 1, 1975

032637 TX1.I55
Soup to salad, peaches cling to any dish. *Instit/vol Feeding* 76 (4): 43 Feb 15, 1975

032638 TX1.I55
Strawberries: harvesting ideas from America's favorite fruit. *Instit/vol Feeding* 75 (9): 61-62 May 1, 1975

032639 TX1.I55
Tiny shrimp don't skimp on big taste. *Instit/vol Feeding* 76 (5): 51 Mar 1, 1975

032640 389.8 AM34
Cooking frozen and thawed roasts: beef, pork, and lamb cuts. Fulton, Lois; Davis, Carole *J Am Diet Assoc* 67 (3): 227-231 Sept 1975

032641 1.982 A2N955
Metrication and the consumer. Batcher, Olive M *Nutr Program News* P. 1-6 July/Aug 1975

032642 389.2538 F82
Create your own bakery. Garr, Janice *Restaurant Bus* 74 (12): 55-59, 62 Dec 1975

032643 TX946.5.I5 F&N
What was learnt at Malvern. *Staff Welfare Catering* P. 12 Dec 1975

FOOD AND NUTRITION—EQUIPMENT

032644 TX946.C6 F&N
Reducing lighting bills — six super ways to do it! *Commercial Kitchen & Dining Room* 15 (3): 12-14 Fall 1975

032645 TX946.C6 F&N
Upgrading warewashing efficiency. *Commercial Kitchen & Dining Room* 15 (3): 20-21 Fall 1975

032646 TX341.F69
Crime in the kitchen. *Food Management* 10 (8): 40-44, 74, 76 Aug 1975

032647 TX341.F69
Institutions & equipment maintenance. Avery, Arthur *Food Management* 10 (12): 34-36, 60, 62 Dec 1975

032648 321.8 H752
Kitchen search (Game). *Forecast Home Econ* 21 (4): F37, F46 Dec 1975

032649 RA960.H6 F&N
Energy and resource conservation needed report of the American Society of Hospital Food ServiceAdministrators' eighth annual meeting. Hotchkin, Sandra *Hospital Topics* 49 (16): 87-88 Aug 16, 1975

032650 TX1.I55
A checklist for disposing of food waste woes. *Instit/vol Feeding* 76 (7): 47 Apr 1, 1975

032651 TX1.I55
Announcing an upstairs/downstairs, translateral, conveyorized, automatic, dishwashing contraption - it works! *Instit/vol Feeding* 76 (4): 56-57 Feb 15, 1975

032652 TX1.I55
Broiler boosts burger biz. *Instit/vol Feeding* 77 (11): 40-41, 48 Dec 1, 1975

032653 TX1.I55
Cutlery: sharp eye on care keeps kitchen humming. *Instit/vol Feeding* 77 (12): 27 Dec 15, 1975

032654 TX1.I55
High school maximizes use of space. *Instit/-vol Feeding* 77 (12): 31 Dec 15, 1975

032655 TX1.I55
IBM cafeteria: programmed for fast traffic. *Instit/vol Feeding* 76 (7): 80-81, 111 Apr 1, 1975

032656 TX1.I55
Now, hot lunch for all kids at Reading schools. *Instit/vol Feeding* 75 (10): 35 Nov 15, 1975

032657 TX1.I55
Processing appliances: technology sweeps the kitchen. Weiss, Steve *Instit/vol Feeding* 77 (10): 50-51, 60 Nov 15, 1975

032658 TX1.I55
Profitable production planning. *Instit/vol Feeding* 75 (9): 138-139 May 1, 1975

032659 TX1.I55
Sambo's pioneers energy research. Schneider, Madelin *Instit/vol Feeding* 77 (3): 42-45 Aug 1, 1975

032660 TX1.I55
Scullery waste could rob you of $21,000/yr. *Instit/vol Feeding* 77 (10): 31-32 Nov 15, 1975

032661 TX1.I55
The need: getting more out of existing kitchens. *Instit/vol Feeding* 76 (5): 56-57, 70 Mar 1, 1975

032662 NA8330.A1K5 F&N
Mobile equipment suits present - and future - needs for Cincinnati Milacron. *Kitchen Planning* 12 (3): 34, 36 3rd quarter 1975

032663 389.2538 F82
Equipment probe 7: cut labor and material costs with systematized dishwashing. *Restaurant Bus* 74 (12): 52, 64 Dec 1975

032664 TX946.5.I5 F&N
Meat thermometers, aid or gadget? *Staff Welfare Catering* P. 33 Dec 1975

032665 TX341.T9 F&N
Energy ideas that work. *Type A Topics* P. 3 Jan 1975

FOOD AND NUTRITION—SANITATION AND SAFETY

032666 TX901.C65
Problem clinic for fry chefs. *Cooking for Profit* 43 (287): 34, 36 Nov 1975

032667 449.8 J824
Identifying foodborne disease hazards in food service establishments. Bryan, Frank L *J Environ Health* 36 (6): 537-540 May/June 1974

032668 389.2538 F82
NRA debuts cleanest show in town. Berlinski, Peter *Restaurant Bus* 74 (12): 35-36, 38 Dec 1975

FOOD TECHNOLOGY

032669 HD9000.1.F64
Larger role for plastics in food packaging indicated by technical, economic changes. Landon, George K *Food Prod Dev* 9 (10): 66-67 Dec 1975

032670 389.8 F7398
Economics of producing nutrients from cellulose. Dunlap, Charles E *Food Technol* 29 (12): 62, 64-67 Dec 1975

032671 389.8 F7398
Food processing and nutrition - priorities and needed outputs. Schweigert, Bernard S *Food Technol* 29 (9): 36, 38 Sept 1975

032672 389.8 F7398
The luxury of new product development. Binkerd, Evan F *Food Technol* 79 (9): 26-27 Sept 1975

032673 TX1.I55
Tomorrow's foods today. *Instit/vol Feeding* 77 (9): 51-53, 64 Nov 1, 1975

032674 TX341.L4 F&N
Soy-ogi: protein fortified Nigerian maise beverage. *League Int Food Educ* P. 1-2 Oct 1975

032675 TX341.L4 F&N
Status and potential of triticale. Vetler, James L *League Int Food Educ* P. 1-3 Sept 1975

032676 298.8 N46
Who puts the hole in macaroni? *Macaroni J* 56 (12): 52 Apr 1975

FOOD AND NUTRITION—GENERAL PROGRAMS

032677 1 EX892EX
Super soybeans snowball. Mastalerz, Margaret *Ext Serv Rev U S Dep Agric* 46 (6): 14-15 Nov/Dec 1975

032678 TX341.F69
Food & Chicanos at the farm camps. *Food Management* 10 (12): 18-23, 64 Dec 1975

032679 TX341.F69
Minuteman High School: bicentennial foodservice. Boss, Donna *Food Management* 10 (7): 30-33, 63 July 1975

032680 ATX341.F615
Lunchroom festivities. *Food Nutr* 5 (6): 6-7 Dec 1975

032681 241.5 IM7
A model for a regional centre of nutrition education. Icaza, Susana Judith *Impact Sci On Soc* 24 (2): 151-155 Apr/June 1974

032682 TX1.I55
Enid school lunch packs one-two punch. *Instit/vol Feeding* 76 (8): 29 Apr 15, 1975

032683 TX1.I55
Principal champions school lunch. *Instit/vol Feeding* 76 (6): 29 Mar 1975

032684 321.8 J82
Are community nutrition programs meeting the needs of the elderly? Rankine, Daryl C; Taylor, Betty *J Home Econ* 67 (6): 37-40 Nov 1975

032685 TX341.J6
Expressed nutrition information needs of low-income homemakers. Ikeda, Joanne P *J Nutr Educ* 7 (3): 104-106 July/Sept 1975

032686 TX341.L4 F&N
Mothercraft Centers Project. Brown, Judith E *League Int Food Educ* P. 2-4 July 1975

032687 LB3209.M6
Fast food gets an "A" in school lunch. *Modern Schools* P. 4-7 Sept 1975

032688 389.8 N957
A picture of health. Kauttu, Kyllikki *Nutr News* 38 (3): 11 Oct 1975

032689 RJ1.P44 F&N
A program of weight reduction in children. Sidbury, J B Jr.; Schwartz, R P *Pediatric Annals* 4 (5): 81-87 May 1975

032690 389.9 N953
An international programme for famine relief. Kapsiotis, G D *Proc Nutr Soc* 34 (3): 195-199 Dec 1975

032691 389.8 SCH6
Kids eat and learn during school recess. *Sch Foodserv J* 29 (10): 34 Nov/Dec 1975

032692 TX341.T9 F&N
Type A "brunch". *Type A Topics* P. 1-2 Jan 1975

RECIPES

032693 TX341.F69
Real American cooking: bicentennial foodservice. *Food Management* 10 (7): 42-45, 53, 55, 57, 59 July 1975

032694 HD9000.1.F64
Flavor secrets from foreign lands: Ethiopia. *Food Prod Dev* 9 (7): 20 Sept 1975

032695 HD9000.1.F64
Flavor secrets from foreign lands: Argentina. *Food Prod Dev* 9 (10): 24 Dec 1975

032696 321.8 H752
Gourmet search (Game). *Forecast Home Econ* 21 (4): F35, F45 Dec 1975

032697 TX1.I55
Bella Italy! Blair, Eulalia *Instit/vol Feeding* 77 (9): 56-58, 68, 72 Nov 1, 1975

032698 TX1.I55
Pilgrims discover America's menu riches. *Instit/vol Feeding* 76 (2): 83, 85, 87 Jan 15, 1975

032699 389.2538 F82
Entrees to captivate the appetite—hook, line , and sinker. Garr, Janice *Restaurant Bus* 74 (3): 123-128 Mar 1975

032700 389.8 SCH6
Colonial Christmas. Zumsteg, Doris *Sch Foodserv J* 29 (10): 45-47 Nov/Dec 1975

032701 389.8 SCH6
First Thanksgiving. Barden, Lola *Sch Foodserv J* 29 (9): 23-25 Oct 1975

FOOD AND NUTRITION—REFERENCE MATERIALS

032702 TX1.I55
Your guide to frozen convenience foods; 1975 frozen foods fact file, part 2. *Instit/vol Feeding* 76 (8): 56, 79, 81, 83, 85, 87 Apr 15, 1975

032703 1.941 S2F73
Food price movements and shifts. Manchester, Alden C *Natl Food Situation* P. 33-36 Nov 1975

FOOD AND NUTRITION—PURCHASING, RECEIVING AND STORAGE

032704 TX901.C67
Effective purchasing management. Gee, Chuck Y *Cornell Hotel Restaurant Admin Quarterly* 16 (3): 2-55, 69 Nov 1975

032705 TX341.F69
Hospital/nursing home casebook number 33030. *Food Management* 10 (10): 55 Oct 1975

032706 TX341.F69
Measuring & controlling food quality. Peddersen, Raymond B *Food Management* 10 (7): 17-18 July 1975

032707 TX1.I55
Clout counts: co-op buying can cut costs 20%. *Instit/vol Feeding* 76 (12): 29-30 June 15, 1975

AGRICULTURAL PRODUCTS—GENERAL

032708 14 P215BC
A method for obtaining proteins from green plants. (Fre) Staron, T *Acad Agric Fr C R Seances* 61 (8): 446-458. 1975

032709 S19.A32
Urease: the bye-product of yeast manufacturing. Singhal, R C *Agric Agroind J* 8 (2/8): 27-28. Aug 1975

032710 385 AG8B
Isolation and fractionation of water-soluble polysaccharides from bamboo [Phyllostachys edulis] shoot [Food chemistry]. Maekawa, E *Agric Biol Chem* 39 (12): 2281-2289. Ref. Dec 1975

032711 385 AG8B
Oxidation of methanol and formaldehyde by a system containing alcohol oxidase and catalase purified from Candida [fungi] sp. N-16. Fujii, T; Tonomura, K *Agric Biol Chem* 39 (12): 2325-2330. Ref. Dec 1975

032712 385 AG8B
The structures of water-soluble polysaccharides isolated from bamboo [Phyllostachys edulis] shoot [Food chemistry]. Maekawa, E *Agric Biol Chem* 39 (12): 2291-2296. Dec 1975

032713 306.8 AM3
Role of magnesium chloride in crosslinking cellulosics [Fabrics]. Jain, S K *Am Dyest Rep* 64 (11): 30, 34-36, 38, 46. Ref. Nov 1975

032714 381 AN13
A simplified procedure to determine tryptophan residues in proteins. Karkhanis, Y D; Carlo, D J; Zeltner, J *Anal Biochem* 69 (1): 55-60. Nov 1975

032715 SF521.A64
Pollen spectrum of some Dutch honeys. (Ger) Kerkvliet, J D; Putten, A P J van der *Apidologie* 6 (3): 195-200. Ref. Eng. Sum. 1975

032716 SF521.A64
Pollen spectrum of some Dutch honeys. (Ger) Kerkvliet, J D; Putten, A P J van der *Apidologie* 6 (3): 195-206. Ref. Eng. Sum. 1975

032717 QH345.A1P73
Effect of ultrasonic waves on the biological properties of bakers' yeast [Saccharomyces cerevisiae]. Ermachenko, V A; Rusanova, T V; Braginskaya, F I; Kruglyakova, K E *Appl Biochem Microbiol* 10 (3): 335-340. Ref. May/June 1974 Transl 1975

032718 QH345.A1P73
Use of bacteria as protein producers in a process based on hydrocarbons. Chepigo, S V; Gradova, N B; Mikhaleva, V V; Kozlova, L I; Popova, T E; Neshchadim, A G; Shkop, YA YA; Fedorovich, R M *Appl Biochem Microbiol* 10 (2): 145-149. Ref. Mar/Apr 1974 Transl. 1975

032719 448.3 AP5
Accelerated fermentation of brewer's wort by Saccharomyces carlsbergensis [Yeasts]. Porter, S C *Appl Microbiol* 30 (6): 970-974. Ref. Dec 1975

032720 448.3 AP5
Fate of ochratoxin A in brewing. Nip, W K; Chang, F C; Chu, F S; Prentice, N *Appl Microbiol* 30 (6): 1048-1049. Dec 1975

032721 448.3 AP5
Microbiology of ripening honey. Ruiz-Argueso, T; Rodriguez-Navarro, A *Appl Microbiol* 30 (6): 893-896. Ref. Dec 1975

032722 AS21.A75U45
Advanced mechanization operations for grocery warehouses; an evaluation and projection. Runyan, J L; Nyquist, A E; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 70, 54 P. Ref. Jan 1976

032723 475 AU73
New oxidation products of tryptophan. Savige, W E *Aust J Chem* 28 (10): 2275-2287. Ref. Oct 1975

424.8 B472
Sugar and honey types [Plant physiology and biochemistry]. (Ger) Wallner, E *Bienenvater* 97 (2): 55-57. (Continued) Feb 1976

032724 381 B524
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. Moroder, L; Filippi, B; Borin, G; Marchiori, F *Biopolymers* 14 (10): 2061-2074. Ref. 1975

032725 381 B524
Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the C-terminal region of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. Moroder, L; Filippi, B; Borin, G; Marchiori, F *Biopolymers* 14 (10): 2075-2093. Ref. 1975

032726 TP570.B5
Comparative test methods for identification of proteins [Malting, brewing]. (Fre) Benard, M *BIOS* 6 (11): 390-393. Ref. Nov 1975

032727 TP570.B5
Extraction and isomerization of bitter substances of hops. (Fre) Soberka, R *BIOS* 6 (11): 378-389. Ref. Eng. Sum. Nov 1975

032728 TP570.B5
Separated fermentation of starch syrup [Beer manufacture]. (Fre) Duteurtre, B *BIOS* 6 (11): 396-400. Nov 1975

032729 381 J8224
Control of nutrient supply in yeast propagation [Food technology]. Miskiewicz, T; Lesniak, W; Ziobrowski, J *Biotechnol Bioeng* 17 (12): 1829-1832. Dec 1975

424.8 B53
Inspection of honey from the producer at Honey Central. (Nor) Villumstad, E *Birokteren* 91 (10): 192-194. Oct 1975

032730 450 B622
Twigs from Azadirachta used as toothbrushes in India. (Nor) Hoeg, O A *Blyttia* 33 (3): 125-126. 1975

032731 390.8 B75
An overview of the British brewing industry—problems and challenges. Madden, C D *Brew Dig* 50 (12): 16-18, 20. Dec 1975

032732 390.8 B75
Wort aeration. Kirsap, B H *Brew Dig* 50 (12): 34-36, 38, 46. Ref. Dec 1975

032733 295.9 IN7
A cinematographic analysis of the fine structure of a waterice solidification interface. (Fre) Viaud, P *Bull Inst Int Froid* 3 (Suppl.): 313-319. Eng. Sum. 1974

032734 295.9 IN7
A data bank for physical properties of foodstuffs. Doucet, J F *Bull Inst Int Froid* 3 (Suppl.): 343-345. 1974

032735 295.9 IN7
A study on water vapour trapping during freeze-drying [Food]. (Fre) Gac, A; Letang, G; Pottier, M *Bull Inst Int Froid* 3 (Suppl.): 149-157. Eng. Sum. 1974

032736 295.9 IN7
A useful equation for calculating heat and mass transfer processes with varying surface temperature [Food technology]. Levy, F L *Bull Inst Int Froid* 3 (Suppl.): 101-102. 1974

032737 295.9 IN7
Advances in the theory of ice sublimation [Freeze drying]. Mellor, J D *Bull Inst Int Froid* 3 (Suppl.): 121-129. Ref. 1974

032738 295.9 IN7
Application of computer codes to phase-change problems in food engineering. Comini, G; Bonacina, C *Bull Inst Int Froid* 3 (Suppl.): 15-27. Ref. 1974

032739 295.9 IN7
Comparison between refrigerated sea water (with or without added carbon dioxide) and ice as storage media for fish to be subsequently frozen. Tomlinson, N; Geiger, S E; Boyd, J W; Southcott, B A; Gibbard, G A; Roach, S W *Bull Inst Int Froid* 1 (Suppl.): 163-168. 1974

032740 295.9 IN7
Drying time calculation for ice granulates in a plate freeze-dryer. Tuma, V *Bull Inst Int Froid* 3 (Suppl.): 159. 1974

032741 295.9 IN7
Effect of stacking and freezing on the muscle qualities of red salmon (Oncorhynchus nerka) [Fish]. Motohiro, T; Akazawa, H *Bull Inst Int Froid* 1 (Suppl.): 279-286. Ref. 1974

032742 295.9 IN7
Experimental results from a study on the use of liquid nitrogen for fish freezing. (Fre) Popov, A A; Chathmanukian, S G *Bull Inst Int Froid* 3 (Suppl.): 115-118. Eng. Sum. 1974

032743 295.9 IN7
Freezing times for blocks of fish in vertical plate freezers. The effect of contact area and block density. Hewitt, M R; Nicholson, F J; Hill, G P; Smith, G L *Bull Inst Int Froid* 3 (Suppl.): 39-43. 1974

032744 295.9 IN7
Heat transfer and freezing capacity of foodstuffs in household freezers. Lotz, H *Bull Inst Int Froid* 3 (Suppl.): 61-67. 1974

032745 295.9 IN7
Heat transfer coefficients in plate freezing: the effect of packaging materials [Foods]. Cowell, N D; Namor, M S S *Bull Inst Int Froid* 3 (Suppl.): 45-50. 1974

032746 295.9 IN7
Heat transfer through layers of agricultural products of near spherical shape. Beek, G van *Bull Inst Int Froid* 3 (Suppl.): 183-188. 1974

032747 295.9 IN7
Heat transfer with regard to thawing and heating of frozen prepared foods. Paulus, K *Bull Inst Int Froid* 3 (Suppl.): 53-60. 1974

032748 295.9 IN7
Investigations on heat transfer of model substances with regard to thawing and heating of frozen foods. Wiggert, K *Bull Inst Int Froid* 3 (Suppl.): 37-38. 1974

032749 295.9 IN7
Measurement of contact surface between fish products and a contact freezer. Flechtenmacher, W *Bull Inst Int Froid* 1 (Suppl.): 195-201. 1974

032750 295.9 IN7
On the thermal conductivity of plant products. Ansari, S A; Iqbal, M *Bull Inst Int Froid* 3 (Suppl.): 189. 1974

032751 295.9 IN7
On the thermophysical parameters of frozen foodstuffs. (Fre) Fikiin, A G *Bull Inst Int Froid* 2 (Suppl.): 173-181. Ref. Eng. Sum. 1974

032752 295.9 IN7
Quality of on-board frozen tuna meat with reference to freshness of the fish and the freezing conditions. Tanaka, T; Konagaya, S; Yamabe, K; Kume, K; Nishiwaki, K *Bull Inst Int Froid* 1 (Suppl.): 287-295. 1974

032753 295.9 IN7
Rational average characteristics of perishables in thermal calculations. Tchigeov, G B *Bull Inst Int Froid* 3 (Suppl.): 209-212. 1974

032754 295.9 IN7
Research on heat-mass transfer in processes occurring at phase transformation under vacuum [Food technology]. Bolshakov, O; Ivashov, V; Roslova, A; Yanushkin, N *Bull Inst Int Froid* 3 (Suppl.): 147. 1974

032755 295.9 IN7
Some European developments in the chilling and freezing of fish at sea. Merritt, J H *Bull Inst Int Froid* 1 (Suppl.): 35-44. Ref. 1974

032756 295.9 IN7
Spray freezing and some properties of frozen [food] products. Poulsen, K; Filtenborg, O *Bull Inst Int Froid* 3 (Suppl.): 271-277. 1974

032757 295.9 IN7
The freezing behaviour and texture of an "in home" frozen dessert. Kindleysides, L; Hawkins, A E *Bull Inst Int Froid* 3 (Suppl.): 279-288. 1974

032758 295.9 IN7
The mechanism of the passage of rarified gases in materials during freeze-drying. (Fre) Gouigo, E; TSvetko, TS *Bull Inst Int Froid* 3 (Suppl.): 141-146. Eng. Sum. 1974

032759 295.9 IN7
Theoretical model of the repulsion of a particle by a freezing front in movement and experimental study [Food technology]. (Fre) Aguirre-Puente, J; Azouni, M A *Bull Inst Int Froid* 3 (Suppl.): 301-312. Eng. Sum. 1974

032760 295.9 IN7
Thermal conductivity measurements of food products by the heated thermocouple method. Artecka, E; Gogol, E; Gogol, W; Staniszewski, B *Bull Inst Int Froid* 3 (Suppl.): 213-218. Ref. 1974

032761 295.9 IN7
Thermal parameters of agricultural materials and food products. Otten, L *Bull Inst Int Froid* 3 (Suppl.): 191-199. Ref. 1974

032762 295.9 IN7
Thermal properties of foodstuffs. Comini, G; Bonacina, C; Barina, S *Bull Inst Int Froid* 3 (Suppl.): 163-172. Ref. 1974

032763 295.9 IN7
Thermal properties of foodstuffs. Meffert, H F T *Bull Inst Int Froid* 3 (Suppl.): 335-342. Ref. 1974

032764 295.9 IN7
Which first? More thermophysical properties data or better methods to use accumulated data? [Food refrigeration]. Pflug, I J *Bull Inst Int Froid* 3 (Suppl.): 331-333. 1974

032765 414.9 J274
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. (Jpn) Yokoyama, M *Bull Jap Soc Sci Fish* 41 (11): 1191-1195. Eng. Sum. Nov 1975

032766 414.9 J274
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. (Jpn) Yokoyama, M *Bull Jap Soc Sci Fish* 41 (11): 1197-1201. Ref. Eng. Sum. Nov 1975

032767 414.9 J274
Studies on the denaturation of fish muscle proteins. I. Physico-chemical and electron microscopical studies of freezedenatured carp actomyosin. Oguni, M; Kubo, T; Matsumoto, J *Bull Jap Soc Sci Fish* 41 (11): 1113-1123. Ref. Nov 1975

100 C12CAG
Comparative biochemistry of Antarctic proteins [Penguins and fish, potential utilization]. Feeney, R E; Osuga, D T; California Agricultural Experiment Station *Calif Agric* 29 (12): 1-5. Dec 1975

032768 385 C172
Distribution of D-galactosyl groups in guaran and locust-bean [carob] gum. Baker, C W; Whistler, R L *Carbohydr Res* 45: 237-243. Dec 1975

032769 385 C172
Molecular structure of the polysaccharide exudate from Acacia baileyana F. Muell. [Raw gum]. Churms, S C; Stephen, A M *Carbohydr Res* 45: 291-298. Ref. Dec 1975

032770 QD241.K453
Investigation of the oils of Anethum graveolens [Essential and fatty oils]. Narzieva, M D; Stepanenko, G A; Umarov, A U; Maksudov, N Kh *Chem Nat Compd* 10 (2): 248. Mar/Apr 1974 (Transl. 1975)

032771 QD241.K453
Oil of the seeds of Dictamus angustifolius. Umarov, A U *Chem Nat Compd* 10 (2): 249-250. Mar/Apr 1974 (Transl. 1975)

032772 QD241.K453
Seed oils of Malcolmia turkestanica and Euclidium syriacum. Umarov, A U; Gigienova, E I; Ul'chenko, N T *Chem Nat Compd* 10 (2): 255-256. Mar/Apr 1974 (Transl. 1975)

032773 QP501.C6
Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. Hiltz, D F; Bishop, L J *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 453-458. Ref. Dec 15, 1975

032774 389.8 C762
Confectionery ingredients. 6. Lipids. Cakebread, S H *Confect Prod* 41 (12): 590-594. Dec 1975

032775 389.8 C762
Soy proteins in confectionery products. Nowacki, J A *Confect Prod* 41 (12): 580-582, 594. Dec 1975

032776 389.8 C762
Speciality wrapping and packaging papers. II. Proven ability to protect the [food] product. Day, F T *Confect Prod* 41 (12): 604-605. Dec 1975

032777 389.8 C762
Use of cocoa butter in confectionery. Lees, R *Confect Prod* 41 (12): 586-587. Dec 1975

032778 303.8 IT1
Use of rape oils and lard in [leather] lubrication blends [Properties]. (Ita) De Simone, G; Tomaselli, M; Majo, A *CPMC (Cuoio Pelli Mater Concianti* 51 (5): 487-514. Oct 1975

032779 TP368.C7
Hydroperoxide destroyers and how they work [Food stabilizers]. Hiatt, R R *CRC Crit Rev Food Technol (Chem Rubber Co)* 7 (1): 1-12. Ref. 1975

032780 TP368.C7
The role of sulfur compounds in food flavor. I. Thiazoles. Maga, J A *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (2): 153-176. Ref. 1975

032781 TP368.C7
Unusual sources of proteins for man [Single cell protein, algae, yeasts, bacteria]. Waslien, C I *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (1): 77-151. Ref. 1975

032782 450 EC7
Chemurgy of sapotaceous plants: Madhuca species of India. Awasthi, Y C; Bhatnagar, S C; Mitra, C R *Econ Bot* 29 (4): 380-389. Ref. Oct/Dec 1975

TD201.E3
Protein recovery as an effluent treatment process. Grant, R A *Effluent Water Treat J* 15 (12): 616-619, 621. Dec 1975

032783 290.9 M57
Applicability of ultracentrifugal technics in food science. (Hun) Monori, S; Bekes, F *Elelmez Ipar* 29 (11): 321-326. Ref. Eng. Sum. Nov 1975

032784 290.9 M57
Newest results in the optimalisation of fermentation processes. I. (Hun) Janzso, B; Dobrontei, E; Hollo, J *Elelmez Ipar* 29 (10): 297-302. Ref. Eng. Sum. Oct 1975

032785 290.9 M57
Reflections on the time horizon of planning in the food industry. (Hun) Szucs, A *Elelmez Ipar* 29 (11): 338-342. Eng. Sum. Nov 1975

032786 290.9 M57
Role of food industry research in the tasks of energy economics. (Hun) Demeczky, M *Elelmez Ipar* 29 (9): 277-279. Eng. Sum. Sept 1975

032787 290.9 M57
Thawing frozen foods. (Hun) Almasi, E *Elelmez Ipar* 29 (11): 326-332. Ref. Eng. Sum. Nov 1975

032788 290.9 M57
The technical level of Hungarian soft-drink factories and the quality of their products in 1974. (Hun) Acs, P *Elelmez Ipar* 29 (11): 332-337. Eng. Sum. Nov 1975

032789 308.9 R26
Gas-liquid-solid chromatography: its application to the study of the essential oils. (Ita) Di Corcia, A; Liberti, A; Samperi, R *Essenze Deriv Agrum* 45 (2): 89-99. Apr/June 1975

032790 384 C422
Fatty acid compostion of lipids of some spices. (Ger) Salzer, U J *Fette Seifen Anstrichm* P. 446-450. Ref. Eng. Sum. Nov 1975

032791 SH335.F5
A study on the average yield of different species of prawns used for freezing and canning. Unnithan, G R; Sreenivasa Rao, P; Iyer, H K *Fish Technol* 12 (1): 25-30. Jan 1975

032792 SH335.F5
Biochemical differences between the fed and white meat of tuna and changes in quality during freezing and storage. George, C *Fish Technol* 12 (1): 70-74. Ref. Jan 1975

032793 SH335.F5
Chitosan from squilla [Fishery products]. Madhavan, P; Ramachandran Nair, K G *Fish Technol* 12 (1): 81-82. Jan 1975

032794 SH335.F5
Fatty acid composition of anchoviella and thrissocleus [Fishery products]. Gopakumar, K; Rajendranathan Nair, M *Fish Technol* 12 (1): 75-76. Jan 1975

032795 SH335.F5
Fish muscle structural proteins [Fishery products]. Warrier, S B K; Gore, M S; Kumta, U S *Fish Technol* 12 (1): 1-15. Ref. Jan 1975

032796 SH335.F5
Freeze drying of fishery products. V. Storage characteristics of ready-to-serve freeze dried foods. Govindan, T K *Fish Technol* 12 (1): 35-36. Jan 1975

032797 SH335.F5
Shrimp extract from prawn waste [Fishery products]. Prabhu, P V; Radhakrishnan, A G *Fish Technol* 12 (1): 31-34. Ref. Jan 1975

032798 SH335.F5
Studies on smoke curing of tropical fishes. Devadasan, K; Muraleedharan, V; Joseph, K G *Fish Technol* 12 (1): 77-80. Ref. Jan 1975

032799 280.38 F62
Cleaning, a measure preparatory to disinfection in the food sector. (Ger) Diehl, K H *Fleischwirtschaft* 55 (9): 1202-1209. Sept 1975

032800 280.38 F62
White and black mustard for spicing and preservation. (Ger) Gerhardt, U *Fleischwirtschaft* 55 (9): 1180-1181. Sept 1975

032801 275.29 N811EX
Take a closer look: now there are two quality levels of certified seed. Sullivan, G A; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 327, 6 P. Sept 1975

032802 389.8 F737
A fresh look at aseptic processing [of foods]. Criswell, L G *Food Eng* 47 (12): 63-66. Dec 1975

032803 389.8 F738
Citric acid—a versatile food additive. Fricke, H; Jensen, S B *Food Process Ind* 44 (528): 37, 39, 41, 44. Nov 1975

032804 389.8 F738
Flavourings for soft drinks. Felton, T *Food Process Ind* 44 (528): 30, 32. Nov 1975

032805 389.8 F738
New [food] sweetener's big potential [Fructose glucose syrup]. Dingwall, A L; Campbell, H *Food Process Ind* 44 (528): 23, 27. Nov 1975

032806 389.8 F738
Phosphates for new food processing techniques. *Food Process Ind* 44 (528): 32, 34, 37. Nov 1975

032807 389.8 F738
Protein flavour problems. Goossens, A E *Food Process Ind* 44 (528): 29-30. Nov 1975

HD9000.1.F64
Anodic stripping voltammetry—a new, simple answer for lead residue analysis [in food]. Zink, E W; Askew, L R *Food Prod Dev* 9 (10): 48, 50, 54, 58-59. Ref. Dec 1975

032808 HD9000.1.F64
Applications for roselle [Hibiscus sabdariffa] as a [natural] red food colorant. Esselen, W B; Sammy, G M *Food Prod Dev* 9 (8): 37-38, 40. Oct 1975

032809 HD9000.1.F64
Betalaines as natural food colorants. Pasch, J H; Von Elbe, J H; Dinesen, N *Food Prod Dev* 9 (9): 38, 42, 45. Ref. Nov 1975

032810 HD9000.1.F64
Coping with the super super market [Food packaging]. Tobolski, F P *Food Prod Dev* 9 (8): 87. Oct 1975

032811 HD9000.1.F64
Delphi exercises in forecasting technology for the food industry in the United Kingdom. Steiner, E H *Food Prod Dev* 9 (8): 46. Oct 1975

032812 HD9000.1.F64
Humectant water sorption isotherms [for use in foods]. Sloan, A E; Labuza, T P *Food Prod Dev* 9 (10): 68. Dec 1975

032813 HD9000.1.F64
Larger role for plastics in food packaging indicated by technical, economic changes. Landon, G K *Food Prod Dev* 9 (10): 66-67. Dec 1975

032814 HD9000.1.F64
Leaf protein: scant research despite economic potential [as food ingredient]. *Food Prod Dev* 9 (9): 62, 64. Nov 1975

032815 HD9000.1.F64
Thermal analysis for rapid, precise testing of food ingredients, packaging materials. Blaine, R L; Peters, J W *Food Prod Dev* 9 (10): 26, 31-33. Dec 1975

032816 HD9000.1.F64
Utilizing the independent [food] research organization to extend uses for a cost-cutting ingredient. Peters, J W *Food Prod Dev* 9 (8): 16, 18. Oct 1975

032817 TP370.F62
Alcoholic beverage processes [Wort, hops, malt, wine, spirits]. Gutcho, M H *Food Technol Rev* 29, 355 P. 1976

032818 SD1.F66
Drying studies of rattan. Laxamana, M G *Forpride Dig* 3 (3/4): 36-43. Sept/Dec 1974

032819 SD1.F66
Proximate chemical composition of agricultural fibrous materials [Abaca, sugarcane, coconuts, and bananas]. Escolano, E U *Forpride Dig* 3 (3/4): 4-7. Sept/Dec 1974

032820 384 Z3
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under high temperature and pressure. (Ger) Denbsky, G *Fresenius Z Anal Chem* 277 (5): 375. 1975

032821 80 G1948
Determining the maximum allowable natural air to escape from cooling cells. (Ger) Einsle, E; Wandschneider, K *Gartenbau* 22 (10): 310-311. Oct 1975

032822 SF539.H66
Biological properties of honey. *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 258-266. 1975

032823 SF539.H66
Composition of honey. White, J W Jr *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 157-206. 1975

SF539.H66
History of honey [Apiculture, production, as a commodity]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 439-488. 1975

032824 SF539.H66
Honey from other bees [Composition, properties]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 411-425. Maps. 1975

SF539.H66
Honey quality control [including adulteration detection]. Rodgers, P E W *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 314-325. 1975

SF539.H66
Honey standards legislation [Quality control]. Fasler, A *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 329-354. 1975

032825 SF539.H66
Microscopy of honey [Analysis, adulteration]. Maurizio, A *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 240-257. 1975

032826 SF539.H66
Physical characteristics of honey. White, J W Jr *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 207-239. 1975

032827 SF539.H66
Processing and storing liquid honey. Townsend, G F *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 269-292. 1975

032828 SF539.H66
Producing finely granulated or creamed honey. Dyce, E J *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 293-306. 1975

032829 SF539.H66
Producing various forms of comb honey. Killion, C E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 301-313. 1975

032830 SF539.H66
The language of honey. Le Sage, D E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 426-438. 1975

032831 SF539.H66
Uses and products of honey. Willson, R B; Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 378-391. 1975

032832 SF539.H66
Wines from the fermentation of honey. Morse, R A; Steinkraus, K H *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 392-407. 1975

032833 QP561.R43 1974
Application of circular polarization of luminescence to the study of peptides, polypeptides, and proteins. Steinberg, I Z; Schlessinger, J; Gafni, A *In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium* P. 351-369. Ref. 1974

032834 QP561.R43 1974
Prediction of protein conformation: consequences and aspirations. Fasman, G D; Chou, P Y *In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium* P. 114-125. Ref. 1974

032835 QP561.R43 1974
The amide hydrogen bond in energy functions for peptides and proteins. Hagler, A T; Lifson, S; Huler, E *In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium* P. 55-70. Ref. 1974

032836 QP561.R43 1974
X-ray studies of poly(amino acids) as structural models for proteins. Traub, W *In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium* P. 146-156. Ref. 1974

032837 QP141.A1W4 1974
Training as a portion of the transfer of [food] technology. Chichester, C O *In Proceedings Western Hemisphere Nutrition Congress* 4th: 278-280. 1974 (Pub. 1975)

032838 389.8 K832
Contribution to the history of the can making and canning industry. (Ger) Benzinger, W *Ind Obst Gemuseverwert* 60 (20): 589-591. Oct 16, 1975

032839 389.8 K832
Industrial freeze-drying [of food]. (Ger) *Ind Obst Gemuseverwert* 60 (21): 623-629. Nov 6, 1975

032840 44.8 IN28
Lipid and phospholipid extraction from fungal mycelia. Chand, R; Das, D V M; Srinivasan, R A *Indian J Dairy Sci* 28 (4): 299-301. Dec 1975

032841 HD9000.1.I53
Keynote address: Twenty-sixth International Conference on Handling Perishable Agricultural Commodities. Sutton, H M *Int Conf Handling Perish Agric Commod* 26th: 11-13. 1974

032842 HD9000.1.I53
Palletization from a supplier's standpoint [for perishable agricultural products]. Kehoe, R L *Int Conf Handling Perish Agric Commod* 27th: 127-129. 1975

HD9000.1.I53
Palletization/unitization [Loading patterns and their relationship to refrigeration in food transit]. Toppen, H *Int Conf Handling Perish Agric Commod* 27th: 120-122. 1975

032843 HD9000.1.I53
Refrigeration & transportation [Meat and vegetable products]. Klous, C V Jr *Int Conf Handling Perish Agric Commod* 27th: 94-95. 1975

032844 20 M57AG
Use of ionized rays in agriculture and the food industry. (Ger) Poljakow, A; Andrjunin, J *Int Z Landwirtsch* 5: 560-564. Ref. 1975

032845 424.8 IR42
Health-giving honey. Chain, K *Ir Beekeep (An Beacaire)* 29 (12): 275. Dec 1975

032846 385 AG8
Spinnability of yeast [Saccharomyces cerevisiae] protein and its viscoelastic properties [in comparison with commerical-casein and soy protein]. (Jpn) Hayakawa, I; Kawasaki, S; Nomura, D *J Agric Chem Soc Jap* 49 (12): 641-646. Ref. Eng. Sum. Dec 1975

032847 385 AG8
Structure and utilization of starch [Food research]. (Jpn) Kainuma, K *J Agric Chem Soc Jap* 49 (12): R61-R67. Ref. Dec 1975

032848 385 AG8
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in green tea inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. (Jpn) Nishiyama, R; Kozaki, M *J Agric Chem Soc Jap* 49 (12): 629-633. Eng. Sum. Dec 1975

032849 385 AG8
Sulphated polysaccharide of the thallus of brown seaweed Undaria pinnatifida, Wakame. (Jpn) Fujikawa, T; Anno, T; Wada, M *J Agric Chem Soc Jap* 49 (12): 667-669. Ref. Eng. Sum. Dec 1975

032850 381 J8223
Electron paramagnetic resonance studies of actin-lipid interaction in aqueous media [Fish processing]. Shenouda, S Y K; Pigott, G M *J Agric Food Chem* 24 (1): 11-15. Ref. Jan/Feb 1976

032851 381 J8223
On the local isotherm concept and modes of moisture binding in food products. Iglesias, H A; Chirife, J *J Agric Food Chem* 24 (1): 77-79. Ref. Jan/Feb 1976

032852 381 J8223
Pyrolysis of chitin, a potential tobacco extender. Scholtzhauer, W S; Chortyk, O T; Austin, P R *J Agric Food Chem* 24 (1): 177-180. Ref. Jan/Feb 1976

032853 381 J8223
Quantitative determination of saccharin [as a sweetener] in food products by ultraviolet spectrophotometry. Hussein, M M; Jacin, H; Rodriguez, F B *J Agric Food Chem* 24 (1): 36-40. Ref. Jan/Feb 1976

032854 381 J8223
Some 4,5-dialkylthiazoles with potent bell pepper like aromas [Possible use as food flavorings]. Buttery, R G; Guadagni, D G; Lundin, R E *J Agric Food Chem* 24 (1): 1-3. Ref. Jan/Feb 1976

032855 381 J8223
Volatile heterocyclic compounds in the reaction of glyoxal with glycine [Food flavor]. Velisek, J; Davidek, J; Cuhrova, J; Kubelka, V *J Agric Food Chem* 24 (1): 3-7. Ref. Jan/Feb 1976

032856 307.8 J82
Differential scanning calorimetry of palm kernel oil products. Rossell, J B *J Am Oil Chem Soc* 52 (12): 505-511. Dec 1975

032857 307.8 J82
Effect of antioxidants on refined palm oil. Fritsch, C W; Weiss, V E; Anderson, R H *J Am Oil Chem Soc* 52 (12): 517-519. Dec 1975

032858 307.8 J82
Poly(amide-acetals) and poly(ester-acetals) from polyol acetals of methyl (9(10)-formyl-stearate: preparation and physical characterization [Polymers]. Awl, R A; Neff, W E; Weisleder, D; Pryde, E H *J Am Oil Chem Soc* 53 (1): 20-26. Ref. Jan 1976

032859 385 Z64AE
Role of geometrical structure of fatty-acid radicals in dehydrated castor oil in its reaction with styrene. YUkhnovskii, G D; Zaslavskii, V M; Prilutskaya, N V; Popenker, R R *J Appl Chem USSR* 48 (6, Pt. 2): 1470-1471. June 1975

032860 475 J824
Gas chromatographic procedure for the analysis of isohumulone [Hops]. Kagi, D A; Clarke, B J *J Chromatogr* 115 (1): 79-86. Ref. Dec 10, 1975

032861 475 J824
Thin layer chromatography identification of calcium- and sodium stearoyllactylate in addition to other emulsifiers in food. (Ger) Regula, E *J Chromatogr* 115 (2): 639-644. Dec 24, 1975

032862 381 J8225
Automated fatty acid analysis. Slover, H T; Mason, B S *J Chromatogr Sci* 14 (1, Special Issue, Pt. 3): 40-44. Ref. Jan 1976

032863 381 J8225
Chromatographic methods in the determination of absolute and relative configurations of fatty acids. Smith, C R Jr *J Chromatogr Sci* 14 (1, Special Issue, Pt. 3): 36-40. Ref. Jan 1976

032864 390.08 H12
Effect of metabolic inhibitors on the preservability of baker's yeast [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase activity during its storage. Takakuwa, M; Tohoyama, H *J Ferment Technol* 53 (12): 895-898. Ref. Dec 1975

032865 390.08 H12
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. Yoshizumi, H *J Ferment Technol* 53 (12): 841-853. Dec 1975

032866 390.08 H12
Simulation of contact biooxidation process [to grow microorganisms] using a fixed bed [Fermentation techonology]. Maeda, Y; Mizobuchi, Y; Suga, K; Ichikawa, K *J Ferment Technol* 53 (12): 875-884. Ref. Dec 1975

032867 389.8 J823
Fermentative production of citric acid by Aspergillus niger[yeast]: strain selection and optimum cltural conditions for improved citric acid production. Banik, A K *J Food Sci Tech* 12 (3): 111-114. May/June 1975

032868 389.8 J823
Parameters affecting the viscosity of chitosan from prawn waste [Fish processing]. Moorjani, M N; Achutha, V; Khasim, D I *J Food Sci Tech* 12 (4): 187-189. July/Aug 1975

275.9 N213
The world food problem: a "course" of action for the future [on nutrition and food technology]. Labuza, T P *J Natl Assoc Coll Teach Agric* 19 (2): 79-83. June 1975

032869 396.9 P49
Quantitative analysis of dammarane type saponins of Panax and its application to the evaluation of the commercial ginseng tea and ginseng extract. (Jpn) Sakamoto, I; Morimoto, K; Tanaka, O *J Pharm Soc Jap* 95 (12): 1456-1461. Ref. Eng. Sum. Dec 1975

032870 73.9 T31
The quantitative analysis of [synthetic and natural] blended-fibre yarns by point-counting. Lomas, B *J Text Inst* 66 (9): 307-312. Sept 1975

032871 TP156.R45J6
Instron recorder pen response [Food evaluation]. Voisey, P W; Kloek, M *J Texture Stud* 6 (3): 379-384. Sept 1975

032872 TP156.R45J6
Utilization of materials science to achieve a better understanding of the mechanics of food texture evaluation. Sherman, P *J Texture Stud* 6 (3): 385-389. Ref. Sept 1975

032873 S19.J3
Chemical components and taste of green tea. Nakagawa, M *JARQ (Jap Agric Res Q)* 9 (3): 156-160. July 1975

032874 S19.J3
Methods of chemical analysis of green tea. Iwasa, K *JARQ (Jap Agric Res Q)* 9 (3): 161-164. July 1975

032875 105.1 G344
Detection of antimicrobial substances by microbiological assays [Saccharomyces cerevisiae]. (Dut) Debevere, J M; Voets, J P *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1505-1510. 1974

032876 424.8 M474
Electric honey extractor. (Hun) Suhayda, J *Meheszet* 23 (11): 210-211. Nov 1975

032877 44.8 M593
A flourish of food and dairy packaging ideas —in time of crisis. Wearmouth, W G *Milk Ind* 77 (5): 12, 21-22, 24. Nov 1975

032878 390.08 V67
High concentrated brewing. (Ger) Hawkins, P J *Mitt Versuchsstn Garungsgewerbe Wien* 29 (9): 123-125. Sept 1975

032879 390.08 V67
Pasteur and the history of fermentation. (Ger) Schmied, O *Mitt Versuchsstn Garungsgewerbe Wien* 29 (9): 120-122. Sept 1975

032880 390.08 V67
The 15th European Brewery Convention congress in Nice [Abstracts of papers]. (Ger) *Mitt Versuchsstn Garungsgewerbe Wien* 29 (5/6): 80-84. (Continued) May/-June 1975

032881 390.08 V67
The 15th European Brewery Convention congress in Nice [Abstracts of papers]. (Ger) *Mitt Versuchsstn Garungsgewerbe Wien* 29 (7/8): 104-111. (Continued) July-/Aug 1975

032882 390.08 V67
The 15th European Brewery Convention congress in Nice [Abstracts of papers]. (Ger) *Mitt Versuchsstn Garungsgewerbe Wien* 29 (9): 125-129, 132-137. (Continued) Sept 1975

032883 41.8 M742
Production of stabilised semi-dry bacterial cultures (IM cultures) for the food industry. (Ger) Schiffner, E; Hagedorn, W *Monatsh Veterinarmed* 30 (16): 623-626. Aug 15, 1975

032884 424.8 N483
Handling manuka honey. I-III. Pegram, P; Haines, M D; Walton, G M *N Z Beekeep* 37 (3): 61-65. Aug 1975

032885 424.8 N483
New ideas in processing of honey. Reid, G M *N Z Beekeep* 37 (3): 66-69. Aug 1975

032886 474 N213
3,4-Benzopyrene content of oils and fatts. (Ger) Siegfried, R *Naturwissenschaften* 62 (12): 576. Dec 1975

032887 100 OH3S (3)
Plant protein materials incorporated in foods. Peng, A C; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 94-95. Nov/Dec 1975

032888 77.8 OL2
Palm oil processing. V. Comparison of processes and discussion. (Fre) Martinenghi, G B *Oleagineux* 30 (11): 475-477. Ref. Eng. Sum. Nov 1975

032889 77.8 OL2
Palm oil steam refining, techniques, operating responses and economics. Rowan, C M; Ruths, D W *Oleagineux* 30 (10): 423-428. Oct 1975

032890 77.8 OL2
Study of the composition of Elaeis guineensis Jacq. Oil. Possibilities for improvement. (Fre) Wuidart, W; Gascon, J P *Oleagineux* 30 (10): 401-408. Eng. Sum. Oct 1975

032891 64.9 IN7
Densitometric method of determination of nicotine, nornicotine and anabasine in tobacco. (Pol) Jurzysta, A *Pamiet Pulawski* 62: L59-165. Ref. Eng. Sum. 1975

032892 424.8 P298
Fermentation of honey by yeast. (Bul) Vlakhov, S *Pchelarstvo* 73 (12): 16-17. 1975

032893 424.8 P295
Removal of venom and productivity of honeybees. (Rus) Bal'zhekas, I *Pchelovodstvo* 10: 27. Oct 1975

032894 450 P5622
Acidic compounds in patchouli oil [from Pogostemon cablin]. Nakahara, S; Kumatani, K; Kameoka, H *Phytochemistry* 14 (12): 2712-2713. Dec 1975

032895 385 P93
Analysis of carbohydrate components of beer wort from barley malt. (Rus) Lerner, I G *Prikl Biokhim Mikrobiol* 11 (6): 906-913. Eng. Sum. Nov/Dec 1975

032896 385 P93
Study of tocopherols and sterols of some plant oils. (Rus) Nadirov, N K; Khafizov, R Kh; Gareeva, Kh Z; Sakaveva, R F; Dzhura, N I *Prikl Biokhim Mikrobiol* 11 (5): 805-807. Eng. Sum. Sept/Oct 1975

032897 381 IN25
Hydrogenation of jojoba oil [Simmondsia californica]. Wisniak, J; Holin, M *Prod R D* 14 (4): 226-231. Ref. Dec 1975

032898 381 IN25
Sulfurization of jojoba oil [Simmondsia chinensis]. Wisniak, J; Benajahu, H *Prod R D* 14 (4): 247-258. Ref. Dec 1975

032899 21 R862
Increased efficiency in the food processing industry. (Rum) Buldus, I *Prod Veg Cereale Plante Teh* 27 (4): 3-6. 1975

032900 21 R862
Using sugar syrup in the food industry. (Rum) Costache, A; Diaconescu, L; Crusevan, A *Prod Veg Cereale Plante Teh* 27 (8): 42-43. Aug 1975

032901 389.9 AS7Q
Training low-acid food processors. Stevenson, K E *Q Bull Assoc Food Drug Off U S* 39 (4): 237-241. Ref. 1975

032902 334.8 R11
Radiation-induced increased melanosis in crustacean shellfish [Shrimp, lobster]. Savagaon, K A; Sreenivasan, A *Radiat Res* 64 (3): 624-632. Ref. Dec 1975

032903 385 R18
Frozen [food] products. III. Factors influencing the quality of frozen products. (Ita) Ruggieri, G *Rass Chim* 27 (5): 213-219. Ref. Eng. Sum. Sept/Oct 1975

032904 64.8 R18
Some investigations on two types of coolers to a 100 liter distillation apparatus for essential oil raw materials. (Bul) Diakov, G; Balinova, A *Rastenievud Nauk* 12 (7): 19-24. Eng. Sum. 1975

032905 TP659.R4
Let us speak of liquors. (Fre) Weinstock, A *Rev Embouteillage Indus Cond Trait Distrib Transp* 155: 7, 9-10. Nov 1975

032906 TP659.R4
Pasteurization of beer. 2. Determination of furfural, an indicator of intensity of pasteurization and aging of beer. (Fre) Benard, M; Scriban, R *Rev Embouteillage Indus Cond Trait Distrib Transp* 154: 27, 29-32. Ref. Oct 1975

032907 TP659.R4
Preservation of food liquids under inert gases. (Fre) Gendron, C *Rev Embouteillage Indus Cond Trait Distrib Transp* 156: 13-20. Dec 1975

032908 307.8 R32
Synthesis of a mixed triglyceride with two different fatty acids: symmetrical and asymmetrical palmitodiolene. (Fre) Fremont, L; Gozzelino, M T *Rev Fr Corps Gras* 22 (8/9): 459-467. Ref. Eng. Sum. Aug/Sept 1975

032909 307.8 OL3
About some treatments of palm oil for edible uses. Martinenghi, G B *Riv Ital Sost Grasse* 52 (9): 311. Sept 1975

032910 470 SCI2
Agricultural residues and other nonwood plant fibers. Atchison, J E *Science* 191 (4228): 768-772. Feb 20, 1976

032911 SB117.S455
Seed moisture and storage [Effects on seed quality]. Bass, L N *Seed Sci Technol* 3 (3/4): 743-746. 1975

032912 61.9 SV23
New work of the Seed Union and the results. (Swe) Hagberg, A *Sver Utsadesforen Tidskr* 85 (5/6): 247-250. 1975

032913 61.9 SV23
Protein determination [of economic plants] using the biuret method. (Swe) Johansson, S A; Olered, R *Sver Utsadesforen Tidskr* 85 (5/6): 257-269. Eng. Sum. 1975

032914 302.8 T162
Control of binder migration in nonwovens—use of anionically dispersed binders and cationic quaternary amines [Colloidal stability of latexes]. Strong, D G; Brodnyan, J G *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 133-135. Nov 1975

032915 302.8 T162
The thermomigration of aqueous binder dispersions during the manufacture of nonwovens [Latex, fabrics]. Troesch, J; Hoffmann, G *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 138-142. Nov 1975

032916 424.8 T43
A chemical analysis of sugar and pollen in some types of Danish honey. (Dan) Hammer, B *Tidsskr Biavl* 109 (8): 133-136. Aug 1975

032917 389.8 V89
On the degree of vegetable oil oxidation in production of canned goods. (Rus) Krivenkova, E M *Vopr Pitan* 4: 62-65. Ref. Eng. Sum. July/Aug 1975

032918 389.8 V89
Washability of syntanol DC-10 from kitchen utensils. (Rus) Sakharov, IU I; Rastiannikov, E G; Verbitskaia, G M; Tarasova, L N *Vopr Pitan* 4: 75-77. July/Aug 1975

032919 1 AG84Y
New sciences spring up to create food "miracles" [Processing, consumer preferences]. Mrak, E M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 267-279. 1975

032920 384 Z39
Formation of malonaldehyde in frozen Baltic herring and itsinfluence on the changes in proteins. Kuusi, T; Nikkila, O E; Savolainen, K *Z Lebensm Unters Forsch* 159 (5): 285-286. 1975

032921 384 Z39
High pressure liquid chromatography in food chemistry. (Ger) Wildanger, W *Z Lebensm Unters Forsch* 159 (3): 165-176. Ref. Eng. Sum. 1975

032922 384 Z39
Nonenzymic browning. XIV. Reaction of phospholipids with 1,4-benzoquinone. XIV. Reaction of phospholipids with 1,4-benzoquinone. Pokorny, J; Zwain, H; Hegedusova, B; Nguyen-Thien Luan,; Janicek, G *Z Lebensm Unters Forsch* 159 (5): 287-292. Ref. 1975

032923 384 Z39
Occurrence and properties of phospholipase D—a review [Food chemistry]. (Ger) Nolte, D; Acker, L *Z Lebensm Unters Forsch* 159 (4): 225-233. Ref. Eng. Sum. 1975

032924 384 Z39
The determination of saccharin by gas chromatography after methylation with Diazomethane [Food addtives]. (Ger) Unterhalt, B *Z Lebensm Unters Forsch* 159 (3): 161-164. Eng. Sum. 1975

032925 49 Z65
Physico-chemical properties of natural and paraffin-adulterated bee's wax. (Bul) Ivanov, TS: Stoimenov, V; Kunchev, D *Zhivotnovud Nauki* 12 (3): 98-103. Ref. Eng. Sum. 1975

032926 286.86 Z8
Chocolate analysis and its difficulties. (Ger) Motz, *Zucker Susswaren Wirtsch* 28 (4): 134-136. Apr 1975

DAIRY PRODUCTS

032927 385 AG8B
Isolation of Ne-(2-furoylmethyl)-L-lysine (furosine) from an acid hydrolyzate of casein heated with glucose. Nakai, T; Ohta, T; Hatsumi, M; Horikoshi, S *Agric Biol Chem* 39 (12): 2421-2422. Ref. Dec 1975

032928 385 AG8B
Thermodynamics of the interaction between alphas1- and kappa-caseins. Dosako, S; Kiminogawa, S; Yamauchi, K *Agric Biol Chem* 39 (12): 2347-2351. Ref. Dec 1975

032929 24 EG94
A study on the effect of salting method on different properties of Kaskaval cheese. 1. The dry salting method. Moneib, A; el-Beheiry, M M; Abdel-Tawab, G; el-Erian, A *Agric Res Rev* 52 (7): 171-175. July 1974 (Pub. 1975)

032930 24 EG94
A study on the effect of salting method on different properties of Kaskaval cheese. II. The brining method. el-Beheiry, M M; Moneib, A; el-Erian, A; Abdel-Tawab, G *Agric Res Rev* 52 (7): 177-181. July 1974 (Pub. 1975)

032931 24 EG94
Amino acid content of Domiati ripened market cheese. el-Erian, A F M; Farag, A H; el-Gendy, S M *Agric Res Rev* 52 (7): 193-200. Ref. July 1974 (Pub. 1975)

032932 24 EG94
Chemical composition of whey produced from different types of cheese. el-Gazzar, H; Moneib, A; el-Sadek, G *Agric Res Rev* 52 (7): 165-170. Ref. July 1974 (Pub. 1975)

032933 24 EG94
Chemical studies on Kaskaval and Ras cheese. el-Erian, A F M; Farag, A H; Shalaby, S O *Agric Res Rev* 52 (7): 183-191. Ref. July 1974 (Pub. 1975)

032934 24 EG94
Domiati cheese from pasteurized milk. I. Curd formation. el-Koussy, L A; Tawab, G A; Hofi, A A; el-Sokkary, A M *Agric Res Rev* 52 (7): 211-216. Ref. July 1974 (Pub. 1975)

032935 24 EG94
Domiati cheese stored at room temperature as affected by heat treatment of milk and different salting levels. Zaki, M H; Metwally, N H; Gewaily, E M; el-Koussy, L A *Agric Res Rev* 52 (7): 217-231. Ref. July 1974 (Pub. 1975)

032936 24 EG94
Effect of standardization of buffalo milk fat of soft cheese yield and properties. Hamdy, A; el-Atawy, A Z; el-Sadak, M; Shehata, A A *Agric Res Rev* 52 (7): 201-209. Ref. July 1974 (Pub. 1975)

032937 S17.A35
"The dairy industry—where now?". Merry, D H *Agric Technol* 6 (4): 21-26. Nov 1975

032938 16 AG8226
Milk and cheeses: a basic sector of Italian agriculture [Research programs]. (Ita) Donini, P *Agricoltura* 24 (2): 84-88. Feb 1975

032939 44.8 AM38
Forecast for use of fruit and flavors in cultured [dairy] products. Ramsey, P H *Am Dairy Rev* 38 (1): 32-34. Jan 1976

44.8 AM38
Outlook for building consumer acceptance for cultured [dairy] products. Nielsen, V H *Am Dairy Rev* 38 (1): 24, 26. Jan 1976

032940 44.8 AM38
The cultured products plant in 1985. A prognosis [Dairy industry]. Elkins, L *Am Dairy Rev* 38 (1): 12, 14. Jan 1976

032941 44.8 AM38
What's ahead for cultured [dairy] products packaging systems? Mucha, G T *Am Dairy Rev* 38 (1): 18H, 18J. Jan 1976

032942 44.8 AM38
What's new with yogurt fruits and flavors and other cultured products. Craven, K G *Am Dairy Rev* 38 (1): 19-21. Jan 1976

032943 105.4 P435
Development of microbial flora of "Caciotta" ewe's milk cheese during ripening. (Ita) Rossi, J; Costamagna, L *Ann Perugia Univ Fac Agrar* 29: 499-515. Ref. Eng. Sum. 1974

032944 105.4 P435
Use of rennin and pepsin in a 50:50 mixture and of bovine liquid rennet in the "caciotta" technology [Cheese making]. (Ita) Rossi, J; Costamagna, L *Ann Perugia Univ Fac Agrar* 29: 483-497. Ref. Eng. Sum. 1974

032945 QH345.A1P73
Influence of thermophilic methane fermentation products on the metabolism of lactic acid bacteria [during culturing in milk]. Gudkov, A V; Mikhlin, E D; Khandak, R N *Appl Biochem Microbiol* 10 (3): 364-367. Ref. May/June 1974 Transl 1975

032946 QH345.A1P73
Milk-clabbering and proteinase activity of modified alpha-chymotrypsin sorbed on anionites. Yanushauskaite, V B; Kozlov, L V; Antonov, V K *Appl Biochem Microbiol* 10 (3): 341-344. May/June 1974 Transl 1975

032947 18 G31A
Lypolysis in milk as a function of milk flow conditions in milking plants. (Ger) Heeschen, W; Tolle, A; Reichmuth, J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 51-59. Ref. Eng. Sum. 1975

18 G31A
Points of departure and goals of the research project [Dairy cattle, milk production and processing]. (Ger) Lembke, A; Meinhold, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 7-12. 1975

032948 100 AR42
Variation in composition of milk produced in Arkansas. Rakes, J M; Stallcup, O T; Arkansas Agricultural Experiment Station *Bull Agric Exp Stn Div Agric Univ Arkansas* 802. 23 P. Ref. Nov 1975

032949 295.9 IN7
Computer simulation of ice cream freezing. Heldman, D R; Gorby, D P *Bull Inst Int Froid* 3 (Suppl.): 29-36. 1974

032950 295.9 IN7
Influence of air phase dispersity on hard ice-cream texture. Filchakova, N N *Bull Inst Int Froid* 3 (Suppl.): 321-325. 1974

032951 295.9 IN7
Methods of quality evaluation of ice-cream and storage behaviour of vanilla ice cream. Spiess, W E L; Adam, R *Bull Inst Int Froid* 3 (Suppl.): 289-297. 1974

032952 QH581.A1Z4
Ultrastructure of the milk fat globule membrane with and without triglyceride. Wooding, F B P; Kemp, P *Cell Tissue Res* 165 (1): 113-127. Ref. 1975

032953 TP368.C7
Photooxidation of milk and milk products: a review. Sattar, A; DeMan, J M *CRC Crit Rev Food Technol (Chem Rubber Co)* 7 (1): 13-37. Ref. 1975

032954 HD9275.A2C9
All you want to know about buttermilk. Lundstedt, E *Cult Dairy Prod J* 10 (4): 18, 20, 22. Nov 1975

032955 HD9275.A2C9
Consumers' cultured [dairy] products. Brookman, J F *Cult Dairy Prod J* 10 (4): 24, 26, 28. Nov 1975

032956 HD9275.A2C9
Production of a crystal clear, bland tasting protein solution from cheese whey. Breslau, B R; Goulet, J; Cross, R A *Cult Dairy Prod J* 10 (4): 13-14. Nov 1975

032957 HD9275.A2C9
The manufacture of Mozzarella and related cheese by ultrafiltration. Kosikowski, F V *Cult Dairy Prod J* 10 (4): 15-16. Nov 1975

032958 HD9275.A2C9
Ultrahigh temperature pasteurization increases starter activity [Milk]. Stone, W K; Large, P M; Thomas, W C *Cult Dairy Prod J* 10 (4): 11-12. Nov 1975

032959 HD9275.A2C9
Yogurt processing methods. Yeager, C *Cult Dairy Prod J* 10 (4): 10. Nov 1975

032960 22 F223
Effect of different treatments on the keeping quality of butter. Gupta, P C; Aggarwal, J P *Farm J (Calcutta)* 16 (6): 20-21. Apr 1975

032961 HD9000.1.F64
Development of cheese-flavored dairy spreads with controlled fat content. Seas, S W; Spurgeon, K R *Food Prod Dev* 9 (9): 68, 70, 74. Ref. Nov 1975

032962 HD9000.1.F64
Using cottage cheese whey fractions or their derivatives in ice cream. Loewenstein, M; Reddy, M B; White, C H; Speck, S J; Lunsford, T A *Food Prod Dev* 9 (9): 91, 93-94, 96. Nov 1975

S19.G74
Dairy research [in India]. Anand, U; Sundaresan, D *Green Revolution* P. 118-120. 1974

032963 26 H27
The milk we drink. (Heb) Aharoni, H *Hassadeh* 56 (2): 234. Nov 1975

032964 1 AG84HG
Making Cottage cheese at home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 129, Rev., 9 P. Dec 1975

44.8 IN28
Changes in the whey protein fraction in mastitis milk, colostrum and drying off secretions. Singh, L N; Ganguli, N C *Indian J Dairy Sci* 28 (4): 273-277. Ref. Dec 1975

032965 44.8 IN28
Effect of nisin-producing strains [of Streptococcus lactis]on the activity of some common starter cultures. Kalra, M S; Dudani, A T *Indian J Dairy Sci* 28 (4): 302-303. Dec 1975

032966 44.8 IN28
Organoleptic and chemical evaluation of flavour changes during storage of ghee prepared from fresh and ripened desi butters. Gaba, K L; Jain, M K *Indian J Dairy Sci* 28 (4): 278-288. Ref. Dec 1975

032967 44.8 IN28
Preservation of milk with hydrogen peroxide. II. Physicochemical changes in milk with respect to rennet action. Santha, I M; Ganguli, N C *Indian J Dairy Sci* 28 (4): 267-271. Ref. Dec 1975

032968 44.8 IN28
Studies of xanthine oxidase in goat milk. Mittal, V K; Mathur, M P *Indian J Dairy Sci* 28 (4): 296-297. Dec 1975

032969 307.8 J82
Continuous sheeting and packaging of pastry type and other fats [Margarine, butter]. Edmunds, R S; Budlong, T L *J Am Oil Chem Soc* 53 (1): 30-31. Jan 1976

49 J82
Factors affecting progesterone concentration in cow's milk and dairy products. Ginther, O J; Nuti, L C; Garcia, M C; Wentworth, B C; Tyler, W J *J Anim Sci* 42 (1): 155-159. Jan 1976

032970 389.8 J823
Effect of modern packaging materials on the keeping quality of khoa [Milk products]. Kumar, A; Rajorhia, G S; Srinivasan, M R *J Food Sci Tech* 12 (4): 172-177. Ref. July-/Aug 1975

032971 389.8 J823
Studies on hydrogen sulphide in Cheddar cheese at differentstages of its manufacture and ripening. Kapoor, C M; Singh, J; Rao, R V *J Food Sci Tech* 12 (3): 115-116. Ref. May/June 1975

032972 389.8 J823
Studies on the bottle breakages, number of trips made by a bottle and efficiency of aluminum caps forming and usage in a small sized milk processing plant. Sharma, K N S; Srinivasan, M R; Nagpal, R C *J Food Sci Tech* 12 (3): 139-142. May/June 1975

032973 389.8 J823
Studies on the chemical composition of market samples of shrikhand [Fermented milk product]. Upadhyay, K G; Vyas, S H; Dave, J M; Thaker, P N *J Food Sci Tech* 12 (4): 190-194. July/Aug 1975

032974 389.8 J823
Utilization of soymilk in flavoured milk preparation. Prakash, C; Sharma, S P; Mulay, C A *J Food Sci Tech* 12 (4): 163-165. July/Aug 1975

032975 44.8 J824
A collaborative study of the microtiter count method and standard plate count method for viable cell count of raw milk. Fung, D Y C; Donahue, R; Jensen, J P; Ullmann, W W; Hausler, W J Jr; LaGrange, W *J Milk Food Technol* 39 (1): 24-26. Jan 1976

032976 44.8 J824
Changes in the microflora of bovine colostrm during natural fermentation. Thompson, T L; Marth, E H *J Milk Food Technol* 39 (1): 27-31. Jan 1976

032977 44.8 J824
Effects of light on concentrations of some volatile materials in milk. Bassette, R *J Milk Food Technol* 39 (1): 10-12. Ref. Jan 1976

032978 44.8 J824
Microbiology of Israeli pickled cheese. Yanai, Y; Rosen, B; Pinsky, A; Sklan, D *J Milk Food Technol* 39 (1): 4-6. Ref. Jan 1976

032979 44.8 J824
Report of Committee on Dairy Farm Methods, 1973-1975 [Sanitation, regulation]. Jefferson, M W; Termunde, D; Flake, J C; Smathers, J B *J Milk Food Technol* 39 (1): 63-70. Jan 1976

032980 44.8 J824
Temperature control. I. A procedure for profiling temperatures of dairy products in stores. Bodyfelt, F W; Davidson, W D *J Milk Food Technol* 38 (12): 734-737. Dec 1975

032981 44.8 SO12
A half-century of dairying: from tradition to technology. Crossley, E L *J Soc Dairy Technol* 29 (1): 5-13. 1976

032982 44.8 SO12
The use of concentrated single strain cheese starters in Scotland. Hynd, J *J Soc Dairy Technol* 29 (1): 39-45. 1976

032983 44.8 L143
Ability of the species of Geotrichum candidum to produce proteolytic enzymes. Additional note [Cheese manufacture]. (Fre) Gueguen, M; Lenoir, J *Lait* 55 (549/550): 621-629. Eng. Sum. Nov/Dec 1975

032984 44.8 L143
Clotting and proteolytic properties of Cirsium arvense [showing milk coagulating ability]. (Fre) Poznanski, S; Reps, A; Dowlaszewicz, E *Lait* 55 (549/550): 669-682. Ref. Eng. Sum. Nov/Dec 1975

032985 44.8 L143
Conditions for using automatic methods of counting milk cells: calibration and preservation of milk samples. (Fre) Grappin, R; Jeunet, R *Lait* 55 (549/550): 650-668. Eng. Sum. Nov/Dec 1975

032986 44.8 L143
Contribution to the study of variations of mineral salt content in cow's milk in different regions of France. (Fre) Mouillet, L; Luquet, F M; Casalis, J *Lait* 55 (549/550): 683-694. Map. Ref. Eng. Sum. Nov/Dec 1975

032987 44.8 L143
Problems of extracting and analyzing certain aromatic compounds of dairy products. II. Methods of measurement. (Fre) Lacrampe, J L; Dherbomez, M; Weber, F *Lait* 55 (549/550): 630-639. Ref. Eng. Sum. Nov/Dec 1975

032988 44.8 L143
Quantitative and qualitative analysis of the microflora of skim milk powder. (Fre) Chopin, A *Lait* 55 (549/550): 640-649. Ref. Eng. Sum. Nov/Dec 1975

032989 44.8 L143
Thin layer chromatography of 2,4-dinitrophenylhydrazones of carbonyl compounds [in dairy products]. (Fre) Pradel, G; Adda, J *Lait* 55 (549/550): 603-620. Ref. Eng. Sum. Nov/Dec 1975

032990 44.8 L35
The cooling of milk destined for the making of Grana cheese. Distribution of microflora and technical controls. (Ita) Senesi, E; Cascrio, G; Emaldi, G C *Latte* 3: 605-609. Ref. Oct 1975

032991 44.8 M26
Utilization of by products from the ultrafiltration of dairy products. (Dan) Madsen, R F *Maelkeritidende* 88 (9): 227-240. (Ll P. Not Consecutive) Feb 28, 1975

032992 44.8 M5933
Application of Liebermann-Burchard reaction to the unsaponifiable portion of milk lipids as a criterion for the quantitative determination of cholesterol in milk and milk products. Pantulu, P C; Bhimasena Rao, M; Rao, D S; Anantakrishnan, C P *Milchwissenschaft* 30 (12): 735-738. Ref. Dec 1975

032993 44.8 M5933
Autolytic properties of some lactic acid bacteria used in cheese production. II. Experiments with fluid substrates and cheese. Bie, R; Sjostrom, G *Milchwissenschaft* 30 (12): 739-747. Ref. Dec 1975

032994 44.8 M5933
Hydrogen peroxide alteration of whey protein in skim milk and whey protein solutions. Munyua, J K *Milchwissenschaft* 30 (12): 730-734. Ref. Dec 1975

032995 44.8 M5933
Major elements of cow's milk. Alichandidis, E S; Vafopoulou, A *Milchwissenschaft* 30 (12): 763-764. Dec 1975

032996 44.8 M5933
Studies on casein proteolysis. II. Total casein proteolysis as influenced by heat treatment of milk proteins. Damicaz, W; Dziuba, J; Prusik, J *Milchwissenschaft* 30 (12): 747-753. Ref. Dec 1975

032997 44.8 M593
Acidophilus milk products: little known cultured milks of great potential [Lactobacillus acidophilus]. Lang, F; Lang, A *Milk Ind* 77 (3): 4-5, 21. Sept 1975

032998 44.8 M593
More European ideas for the manufacture of new milk products. Lang, F; Lang, A *Milk Ind* 77 (5): 9-11. Nov 1975

032999 44.8 M593
Recent advances in the chemistry and physics of milk and milk products for standardisation of processing and manufacture. Shahani, K M *Milk Ind* 77 (5): 5-8, 11. Ref. Nov 1975

033000 44.8 M735
Cheese manufacture with the DDS reversal osmosis system. (Ger) Wagner, J *Molk-Ztg Welt Milch* 29 (45): 1281-1282. Nov 7, 1975

033001 44.8 M735
Continuous soft cheese manufacture. (Ger) Duve, J *Molk-Ztg Welt Milch* 29 (45): 1278-1280. Nov 7, 1975

033002 44.8 M735
Development in the Dutch cheese industry. (Ger) Zwaginga, P; Berg, G von der *Molk-Ztg Welt Milch* 29 (42): 1172-1174, 1176-1178. Oct 17, 1975

033003 44.8 M735
Importance of cream ripening for butter spreadability. (Ger) Peters, K H *Molk-Ztg Welt Milch* 29 (45): 1265-1268. Nov 7, 1975

033004 44.8 M735
New ways in large block cheese manufacture. (Ger) Holderied, H *Molk-Ztg Welt Milch* 29 (45): 1283-1284. Nov 7, 1975

033005 44.8 M735
The keeping quality of pasteurized table milk. (Ger) *Molk-Ztg Welt Milch* 29 (48): 1355-1357. (Continued) Nov 28, 1975

033006 44.8 M735
Use of milk fat fractions for improvement of butter spreadability. (Ger) Timmen, H *Molk-Ztg Welt Milch* 29 (45): 1259-1261. Ref. Nov 7, 1975

033007 44.8 M735
Varied concentration in the dairy industry: analysis of the first joint structure survey [Europe]. (Ger) Gay, J *Molk-Ztg Welt Milch* 29 (47): 1323-1339. (Continued) Nov 21, 1975

033008 44.8 M735
Varied concentration in the dairy industry. II. Analysis of the first joint structure survey [Europe]. (Ger) Gay, J *Molk-Ztg Welt Milch* 29 (48): 1361-1364, 1373-1379. Nov 28, 1975

033009 S17.N4
Human resource factors in the dairy industry. Clarke, D E; Shouksmith, G A *N Z Agric Sci* 9 (1): 15-24. Ref. Feb 1975

033010 SF221.N4
Co-precipitates [caseins and whey proteins derived from milk]—a review. Southward, C R; Goldman, A *N Z J Dairy Sci Technol* 10 (3): 101-112. Ref. Sept 1975

033011 SF221.N4
Investigations of dairy detergents using radioiodinated protein and a miniaturised simulator. Nisbet, T J; Langdon, A G *N Z J Dairy Sci Technol* 10 (3): 118-122. Ref. Sept 1975

033012 SF221.N4
Production of crude lactose from ultrafiltration permeate. Kavanagh, J A *N Z J Dairy Sci Technol* 10 (3): 132. Sept 1975

033013 SF221.N4
Structural analysis of the triacylglycerols of bovine milkfats. Taylor, M W; Hawke, J C *N Z J Dairy Sci Technol* 10 (2): 49-57. Ref. June 1975

033014 SF221.N4
The effect of agitation on the production of lactic acid by Lactobacillus bulgaricus in a casein whey medium. Marshall, K R; Earle, R L *N Z J Dairy Sci Technol* 10 (3): 123-128. Ref. Sept 1975

033015 SF221.N4
The effects of heat treatment and pH [hydrogen-ion concentration] on the heat stability of recombined evaporated milk. Newstead, D F; Sanderson, W B; Baucke, A G *N Z J Dairy Sci Technol* 10 (3): 113-118. Ref. Sept 1975

033016 SF221.N4
The triacylglycerol compositions of bovine milkfats. Taylor, M W; Hawke, J C *N Z J Dairy Sci Technol* 10 (2): 40-48. Ref. June 1975

033017 SF221.N4
Whey produced during cheddaring as a source of effluent. Parkin, M F; Liddell, P J *N Z J Dairy Sci Technol* 10 (3): 131-132. Sept 1975

033018 44.8 N752
Continuous freezers for the manufacture of ice cream. (Mul) *Nord Mejeritidsskr* 41 (6): 215-221. 1975

033019 44.8 N752
Sieving, straining and grading [Processing dairy products]. (Mul) Gebbett, J G *Nord Mejeritidsskr* 41 (6): 225-229. 1975

033020 44.8 N752
The continuous manufacture of yogurt. (Mul) Rasic, J *Nord Mejeritidsskr* 41 (7): 262-272. 1975

033021 385 P93
Comparative study of moderate and virulent phages of mesophilous lactic acid streptococci. (Rus) Mytnik, L G; Bespalova, I A; Tikhonenko, A S *Prikl Biokhim Mikrobiol* 11 (6): 819-823. Ref. Eng. Sum. Nov/Dec 1975

033022 49 P943
Preoccupations concerning extention of the assortment of ice-cream. (Rum) Comis, N *Rev Cresterea Anim* 25 (7): 74-77. July 1975

033023 44.8 F33
Special courses on dairy industry in the Paraibuna Valley Micro Region. (Por) Albuquerque, H *Rev Inst Laticin Candido Tostes* 30 (179): 19-22. May/June 1975

033024 44.8 F33
Whey treatment and use. (Por) Bylund, G *Rev Inst Laticin Candido Tostes* 30 (179): 29-43. May/June 1975

033025 44.8 IN2
Rennettability of milk after different thermic treatments. (Fre) Humbert, G; Alais, C *Rev Lait Fr* 337: 793-795, 797. Eng. Sum. Dec 1975

033026 SF221.S6
Camembert cheese: certain aspects of manufacture. Lombard, S H; Bester, B H *S Afr J Dairy Technol* 7 (3): 141-146. Ref. Sept 1975

033027 SF221.S6
Cheese manufacture. (Afr) Lombard, S H *S Afr J Dairy Technol* 7 (3): 163-166. Sept 1975

033028 SF221.S6
Hygienic control of UHT [ultra-high temperature treated] milk [Processing]. Luck, H *S Afr J Dairy Technol* 7 (3): 173-178. Sept 1975

033029 SF221.S6
Lactobacilli and gas formation of film wrapped Cheddar cheese. (Afr) Keller, J J; Jaarsma, J *S Afr J Dairy Technol* 7 (3): 183-185. Eng. Sum. Sept 1975

033030 SF221.S6
The bacteriological composition of some commercial starters used for Gouda cheese manufacturing [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. (Afr) Mostert, J F; Husmann, R A *S Afr J Dairy Technol* 7 (3): 179-181. Ref. Eng. Sum. Sept 1975

033031 SF221.S6
The determination of copper in milk and butter with the graphite furnace atomic absorption apparatus. Downes, T E H; Labuschagne, J H *S Afr J Dairy Technol* 7 (3): 167-171. Ref. Sept 1975

033032 SF221.S6
The sampling and measuring of bulk milk. (Afr) Visser, A C *S Afr J Dairy Technol* 7 (3): 135-138. Eng. Sum. Sept 1975

033033 SF221.S37
Contribution to the problem of whey utilization: general considerations and experiments on the incorporation of whey proteins in the rennet coagulum. (Ger) Bachmann, M; Schaub, W; Rolle, M *Schweiz Milchwirtsch Forsch* 4: 1-7. Ref. Eng. Sum. May 13, 1975

033034 105.9 L65V
Identification and determination of ionogen surface active agents in milk. (Ger) *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 97-102. 1975

41.8 V6439
Hygienic problems in sheep's milk and production of rennin. (Slo) Guryca, V *Veterinarstvi* 25 (8): 361-362. 1975

033035 49 Z65
Study on lactobacteria in Kashkaval cheese prepared from ewe's milk [Lactobacillus]. (Bul) Chomakov, Kh; Kirov, N; Nakova, I *Zhivotnovud Nauki* 12 (3): 83-89. Ref. Eng. Sum. 1975

033036 286.86 Z8
Milk sugar, an ingredient of fat-free milk solids for ice cream manufacture. (Ger) Kube, G *Zucker Susswaren Wirtsch* 28 (4): 153, 157-158. Apr 1975

LIVESTOCK PRODUCTS

033037 49 AN55
Determination of age of lamb carcasses from pelvic ossification. Kirton, A H; O'Hara, P J; Cairney, I M; Bishop, W H; Nottingham, P M *Anim Prod* 21 (3): 257-264. Ref. Dec 1975

033038 49 F84
Comparative study: carcass and meat characteristics in young bulls of the Campine Red Pied and Charolais breeds slaughtered at the age of 16 months. (Fre) Teissier, J H; Journe, H E; Roux, M; Guerin, B *Ann Zootech* 24 (3): 579-586. Eng. Sum. 1975

033039 49 F84
Estimation of the composition of beef carcasses from the composition of the 11th rib cut. I. Anatomical composition. (Fre) Robelin, J; Geay, Y; Jailler, R; Jailler, R; Cuylle, G *Ann Zootech* 24 (3): 391-402. Ref. Eng. Sum. 1975

033040 49 F84
Relationship between the volume of the beef carcass and the weight of its anatomical and chemical components. (Fre) Robelin, J; Raynal-Rongere, C; Jailler, R; Cuylle, G *Ann Zootech* 24 (3): 403-412. Ref. Eng. Sum. 1975

033041 49 F84
Subcutaneous fat thickness of beef carcasses. (Fre) Dumont, B L; Roy, G *Ann Zootech* 24 (3): 587-593. Ref. Eng. Sum. 1975

103 N813
Effect of dried grass and whole grain in the diet of early-weaned lambs on performance and carcass fat quality. Chestnut, D M B *Annu Rep Agric Res Inst North Irel* 48th: 35-42. 1975

033042 QH345.A1P73
Effect of various proteinase preparations on the collagen of the calf dermis [Depilation of raw hides]. Istranov, L P; Nesterova, G A *Appl Biochem Microbiol* 10 (2): 275-279. Ref. Mar/Apr 1974 Transl. 1975

033043 49 AR23
Basic investigations into beef tenderness estimation. 1. Methodological studies on meat tenderness. (Ger) Otto, E; Stang, N *Arch Tierz* 18 (5): 301-310. Ref. Eng. Sum. 1975

033044 49 AR23
The Carcass value of pigs slaughtered at equal weight or same age. 1. Comparison of the mean values and variation coefficients. (Ger) Grosse, F; Schulz, B *Arch Tierz* 18 (5): 321-328. Eng. Sum. 1975

033045 107.6 Y14
On the volatile bases and the volatile fatty acids in pork during the storage at low temperatures [Keeping quality]. (Jpn) Nakano, K *Bull Fac Agric Yamaguti Univ* 26: 197-210. Ref. Eng. Sum. 1975

033046 295.9 IN7
Application of quantitative television microscopy for studying frozen meat structure. (Fre) Colas, B *Bull Inst Int Froid* 3 (Suppl.): 233-238. Eng. Sum. 1974

033047 295.9 IN7
Cooling and freezing times and weight losses of meat under U.k. [United Kindgom] commercial conditions. Cutting, C L *Bull Inst Int Froid* 3 (Suppl.): 91-100. Ref. 1974

033048 295.9 IN7
Drying of meat frozen under vacuum in a liquid cooling medium. (Fre) Kaouktchechvili, E I; Jouravska, N K; Palmine, I V; Potipaeva, N N *Bull Inst Int Froid* 3 (Suppl.): 131-136. Eng. Sum. 1974

033049 295.9 IN7
Freeze-drying basic products of animal origin under atmospheric pressure. (Fre) Guoigo, E I; Kaouktchechvili, E I; Savchenko, A F; Sidorova, N D *Bull Inst Int Froid* 3 (Suppl.): 137-139. Eng. Sum. 1974

033050 295.9 IN7
Influence of air velocity and temperature on the two-stage cooling of perishable large-sized products [Beef quarters]. Dominguez, M; Elvira, C de; Fuster, C *Bull Inst Int Froid* 3 (Suppl.): 83-90. 1974

033051 295.9 IN7
Meat: towards better understanding of the mechanism of weight loss. Levy, F L *Bull Inst Int Froid* 3 (Suppl.): 103-114. 1974

303.8 IT1
Technological interests in proteinic tanning residues [Waste utilization, pollution]. (Ita) Del Pezzo, L; De Simone, G *CPMC (Cuoio Pelli Mater Concianti* 51 (5): 515-534. Ref. Oct 1975

303.8 IT1
Use of rape oils and lard in [leather] lubrication blends [Properties]. (Ita) De Simone, G; Tomaselli, M; Majo, A *CPMC (Cuoio Pelli Mater Concianti* 51 (5): 487-514. Oct 1975

033052 412.628 D23
Instructions for skinning mink. (Dan) Rasmussen, E G *Dan Pelsdyravl* 38 (10): 348-351. Oct 1975

033053 412.628 N21
Chinchilla leather—A general review. *Empress Chinchilla Breeder* 31 (12): 21-23. Ref. Nov 1975

033054 280.38 F62
A method of determining the consistency of frankfurter-type sausages. (Ger) Puolanne, E *Fleischwirtschaft* 55 (9): 1267-1270. Eng. Sum. Sept 1975

033055 280.38 F62
Application of controlled atmospheres containing 20 percent CO2 [carbon dioxide] to the storage of beef. (Ger) Partmann, W; Bomar, M T; Hajek, M; Bohling, H; Schlaszus, H *Fleischwirtschaft* 55 (10): 1441-1442, 1445-1446, 1449-1451. Ref. Eng. Sum. Oct 1975

033056 280.38 F62
Can protein hydrolysates simulate a higher protein content in meat products? (Ger) Belica, J *Fleischwirtschaft* 55 (9): 1218. Sept 1975

033057 280.38 F62
Dry sausage and raw meat products. II. Raw meat products. Smoking and storage of raw cured meat. (Ger) Coretti, K *Fleischwirtschaft* 55 (11): 1504-1506, 1508-1510. Nov 1975

033058 280.38 F62
Dry sausage and raw meat products. II. Raw meat products. (Ger) Coretti, K *Fleischwirtschaft* 55 (10): 1365-1366, 1368, 1370-1376. Oct 1975

033059 280.38 F62
Method of measuring the color of frankfurter-type sausage. (Ger) Puolanne, E *Fleischwirtschaft* 55 (9): 1261-1264, 1267. Eng. Sum. Sept 1975

033060 280.38 F62
Muscle pigment and meat color. (Ger) Hamm, R *Fleischwirtschaft* 55 (10): 1415-1418. Ref. Oct 1975

033061 280.38 F62
Physical guide values in meat technology. III. 7. Dry sausage. 8. Raw cured meat products. (Ger) Wirth, F; Leistner, L; Rodel, W *Fleischwirtschaft* 55 (11): 1516-1518, 1520, 1523-1524. Nov 1975

033062 280.38 F62
Physical guide values for meat technology. II. 4. Cooked cured meat products. 5. Liver sausage. 6. Blood sausage. (Ger) Wirth, F; Leistner, L; Rodel, W *Fleischwirtschaft* 55 (10): 1380-1382, 1384, 1387-1388, 1391. Oct 1975

033063 280.38 F62
Physical guide values for meat technology. I. 1. Fresh meat. 2. Frozen meat. 3. Frankfurter-type sausages. (Ger) Wirth, F; Leistner, L; Rodel, W *Fleischwirtschaft* 55 (9): 1188-1190, 1193-1196. Sept 1975

033064 280.38 F62
Possible ways of controlling the manufacture of dry sausage. (Ger) Belica, J *Fleischwirtschaft* 55 (11): 1526-1528. Nov 1975

033065 280.38 F62
Possible ways of checking the closure of aluminium containers for meat dishes and sausage products. (Ger) Tandler, K *Fleischwirtschaft* 55 (10): 1392-1393. Oct 1975

033066 280.38 F62
Problems encountered in smoking meat and meat products. (Ger) Potthast, K *Fleischwirtschaft* 55 (11): 1492, 1494-1496. Ref. Nov 1975

033067 280.38 F62
Smoke production with the friction smoke generator [Meat processing]. (Ger) Klettner, P G *Fleischwirtschaft* 55 (11): 1498-1501. Ref. Nov 1975

033068 280.38 F62
Technological control of dry sausage ripening. V. Quality of dry sausages as a function of molecular weight of added carbohydrates. (Ger) Pyrcz, J; Pezacki, W *Fleischwirtschaft* 55 (10): 1431-1434, 1437-1440. Eng. Sum. Oct 1975

033069 280.38 F62
The bacteriological behavior of beef, vacuum-packed in bags of differing oxygen permeability, under prolonged refrigerated storage. (Ger) D'Allessandria, A V H; Pagliaro, A F *Fleischwirtschaft* 55 (11): 1582-1584. Eng. Sum. Nov 1975

033070 280.38 F62
The composition of sausage products in Lower Saxony. (Ger) Martienssen, E *Fleischwirtschaft* 55 (11): 1573-1574, 1577-1579. Eng. Sum. Nov 1975

033071 280.38 F62
The correlation between price and composition of sausages. (Ger) Puolanne, E *Fleischwirtschaft* 55 (10): 1452, 1455-1456. Ref. Eng. Sum. Oct 1975

033072 280.38 F62
The effect of lactic acid [as a preservative] on the bacterial flora and the color of fresh meat. (Ger) Mulder, S J; Krol, B *Fleischwirtschaft* 55 (9): 1255-1258. Eng. Sum. Sept 1975

033073 280.38 F62
The formulation of recipes for frankfurter-type sausages. (Ger) Hennig, W *Fleischwirtschaft* 55 (9): 1270-1272, 1275-1277. Eng. Sum. Sept 1975

033074 280.38 F62
The importance of juice-holding ability to pork quality. (Ger) Scheper, J *Fleischwirtschaft* 55 (9): 1176-1178. Sept 1975

033075 280.38 F62
The meat content of Konigsberger Klops, Kohlroulade und stuffed peppers. (Ger) Timm, F; Kozlowski, A von *Fleischwirtschaft* 55 (11): 1563-1568. Ref. Eng. Sum. Nov 1975

033076 280.38 F62
The meat products industry. (Ger) Schweisfurth, K L *Fleischwirtschaft* 55 (9): 1219, 1221. Sept 1975

033077 280.38 F62
The present status and future tasks of meat technology. (Ger) Reuter, H *Fleischwirtschaft* 55 (9): 1184-1185. Sept 1975

033078 391.8 F73
The history and use of nitrate and nitrite in the curing of meat. [Food flavoring]. Binkerd, E F; Kolari, O E *Food Cosmet Toxicol* 13 (6): 655-661. Ref. Dec 1975

033079 HD9000.1.F64
Process, package innovations open markets for fabricated steaks in retail, foodservice outlets. Peters, J W *Food Prod Dev* 9 (8): 78, 82. Oct 1975

033080 SD1.F66
Tannin-extract production from local materials: their utilization for tanning hides and skins. Gonzales, E V; Manas, A E; Mule, E I; Filamor, J R; Maza, C C; Marero, R *Forpride Dig* 3 (3/4): 10-22. Sept/Dec 1974

033081 17 SCH9
A thousand animals slaughtered daily at the Zurich slaughterhouse. (Ger) Catrina, W *Grune* 104 (1): 9-14. Jan 2, 1976

033082 50.8 H95
Industrial processing of edible animal by-products. (Hun) Ipsics, O *Husipar* 24 (5): 212-217. Eng. Sum. Sept/Oct 1975

033083 50.8 H95
State of meat industry and its demands from agriculture. (Hun) Banke, A *Husipar* 24 (5): 185-191. Eng. Sum. Sept/Oct 1975

033084 SF95.C63 1974
Abattoir by-products: potential for increased production in developing countries. Barat, S K *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 255-259. 1974 (Pub. 1975)

HD9000.1.I53
Cleaning and sanitizing meat trailers [Control of microbialcontamination in transport]. Hoke, K E *Int Conf Handling Perish Agric Commod* 27th: 83-87. 1975

HD9000.1.I53
Evolution of meat products handling and transportation. Ives, J R *Int Conf Handling Perish Agric Commod* 27th: 52-59. 1975

033085 HD9000.1.I53
Palletizations of meat and meat products. Ashby, B H *Int Conf Handling Perish Agric Commod* 27th: 145-149. 1975

381 J8223
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. Wilson, B R; Pearson, A M; Shorland, F B *J Agric Food Chem* 24 (1): 7-11. Ref. Jan/Feb 1976

033086 10 J822
Prediction on the lean content of lamb carcasses of different breed types. Kempster, A J; Avis, P R D; Cuthbertson, A; Harrington, G *J Agric Sci (Camb)* 86 (1): 23-34. Ref. Feb 1976

033087 49 J82
A comparative evaluation of rapid methods for determining fat content of ground beef. Young, E P; Kotula, A W; Twigg, G G *J Anim Sci* 42 (1): 67-71. Ref. Jan 1976

033088 49 J82
Effects of elevated temperature conditioning on youthful and mature beef carcasses. Fields, P A; Carpenter, Z L; Smith, G C *J Anim Sci* 42 (1): 72-83. Ref. Jan 1976

033089 49 J82
Potassium concentration in bovine muscle as influenced by carcass location, breed, sex, energy intake, age and shrunk body weight. Sim, D W; Wellington, G H *J Anim Sci* 42 (1): 84-91. Ref. Jan 1976

033090 44.8 J824
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and drying air velocity on some properties of dry sausage. Townsend, W E; Davis, C E; Mercuri, A J *J Milk Food Technol* 38 (12): 764-768. Ref. Dec 1975

033091 73.9 T31
A simple method for the estimation of the ash of vegetable matter during raw-wool testing. Neelakantan, P *J Text Inst* 66 (9): 334-335. Sept 1975

033092 TP156.R45J6
Objective-subjective assessment of meat tenderness. Bouton, P E; Ford, A L; Harris, P V; Ratcliff, D *J Texture Stud* 6 (3): 315-328. Ref. Sept 1975

033093 TP156.R45J6
On the rheology of minced meat. Hamm, R *J Texture Stud* 6 (3): 281-296. Ref. Sept 1975

033094 TP156.R45J6
Possible relationships between shear, tensile, and adhesion properties of meat and meat structure. Bouton, P E; Harris, P V; Shorthose, W R *J Texture Stud* 6 (3): 297-314. Ref. Sept 1975

033095 TP156.R45J6
Texture evaluation of frankfurters by dynamic testing. Webb, N B; Rao, V N M; Civille, G V; Hamann, D D *J Texture Stud* 6 (3): 329-342. Ref. Sept 1975

033096 410.9 L84P
The length and diameter of the coat fibres of the Musk ox. Wilkinson, P F *J Zool* 177 (3): 363-375. Map. Ref. Nov 1975

43.9 L932
Influence of sex and percent Brahman [cattle] breeding on growth and carcass traits [Performance]. Bidner, T D; Icaza, E A; Boston, A C; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 103-108. 1976

033097 43.9 L932
The relationship of muscle pH [hydrogen-ion concentration] and beef tenderness. Harrell, R A; Bidner, T D; Icaza, E A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 109-115. 1976

389.8 M66
Toxic and dystrophic manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. (Ita) Morisio Guidetti, L; Sarra, C; Boccignone, M; Longhi, L *Minerva Dietol* 15 (2): 57-59. Ref. Eng. Sum. Apr/June 1975

033098 41.8 M742
Supervision of tinned-foods freezing; experience in Rostockregion [Meat and sauce meals]. (Ger) Dedek, J *Monatsh Veterinarmed* 30 (16): 620-622. Eng. Sum. Aug 15, 1975

033099 23 N48J
Yellow fat in sheep. Kirton, A H *N Z J Agric* 131 (6): 15-16. Dec 1975

033100 412.628 N812
Before starting a new pelting season [Skinning fur-bearing animals, foxes, minks]. (Nor) Mathisen, J *Nor Pelsdyrbl* 49 (10): 392-409. Oct 15, 1975

033101 412.628 N812
County statistics 1973 and 1974 [Skins, fur-bearing animals]. (Nor) Gjerde, N K *Nor Pelsdyrbl* 49 (9): 355-357, 362-369. Sept 15, 1975

033102 412.628 N812
Designing the pelting room [Skinning fur-bearing animals]. (Nor) *Nor Pelsdyrbl* 49 (10): 409-412. Oct 15, 1975

033103 RC620.A1N8
Relationship of supplemental biotin, protein level, and grain source to reproductive performance of turkeys. Atkinson, R L; Krueger, K K; Bradley, J W; Couch, J R; Krueger, W F *Nutr Rep Int* 13 (2): 225-235. Ref. Feb 1976

033104 S543.V5V5
Factors affecting beef tenderness as measured by the Armourtenderometer. Marlowe, T J; Kelly, R F; Depew, C G *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 30-34. July 1975

033105 307.8 R32
Animal skin degreasing with surface active agents. (Fre) Pore, J *Rev Fr Corps Gras* 22 (8/9): 451-458. Ref. Eng. Sum. Aug/Sept 1975

033106 304.8 T293
Geometry of bent continuous-filament yarns. Freeston, W D Jr; Schoppee, M M *Text Res J* 45 (12): 835-852. Dec 1975

033107 304.8 T293
Resist treatment of wool with tannic acids. II. Physical and practical aspects. Simpson, W S *Text Res J* 45 (12): 868-871. Dec 1975

033108 49 T443
Intensification of beef cattle production by achieving high carcass weights in fattening bulls. (Ger) Priebs, G *Tierzucht* 29 (9): 392-395. Sept 1975

033109 49 T443
On beef tenderness. (Ger) Otto, E; Stang, N *Tierzucht* 29 (9): 400-401. Sept 1975

033110 410 V42
Formula for obtaining clean mink skins with soft leather. (Swe) Wexels, W A *Vara Palsd* 46 (10): 234-236. Oct 15, 1975

033111 410 V42
Guide to skinning mink. (Swe) Groot-Rasmussen, E *Vara Palsd* 46 (10): 242-244, 247. Oct 15, 1975

033112 410 V42
Skinning the Arctic fox. (Swe) Jonslars, E; Hansson, R *Vara Palsd* 46 (10): 248-251. Oct 15, 1975

41.8 V6439
Presence of inhibiting substances in the meat and organs of livestock killed in a sanitary slaughterhouse. (Slo) Siklenka, P; Pichnarcik, J *Veterinarstvi* 25 (11): 517-518. 1975

033113 389.8 V89
On the reduction of residual nitrite in the production of cooked sausages. (Rus) Pal'min, V V; Prizenko, V K; Fedorova, G A *Vopr Pitan* 4: 58-59. Eng. Sum. July/Aug 1975

033114 384 Z39
Determination of sulphydryl and disulphide groups in proteins by amperometric titration. [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. (Ger) Hofmann, K; Hamm, R *Z Lebensm Unters Forsch* 159 (4): 205-212. Ref. Eng. Sum. 1975

033115 TS1950.Z6
Continual transport of pork halves in an ultra-quick chilling tunnel. (Cze) Benes, J; Stoklasek, B; Marecek, S *Zpr Masneho Prum CSSR* 2: 15-22. Eng. Sum. 1975

033116 TS1950.Z6
Different development standpoints of some new kinds of meat products. (Cze) Klima, D; Pytela, J; Vesela, V *Zpr Masneho Prum CSSR* 2: 22-24. Eng. Sum. 1975

033117 TS1950.Z6
Production of hard salamis. (Cze) Pokorny, F *Zpr Masneho Prum CSSR* 2: 25-30. Eng. Sum. 1975

POULTRY PRODUCTS

033118 QH345.A1P73
Dynamics of carbonyl-compound accumulation in irradiated mixed eggs during storage. Popkov, V N; Yunin, A N *Appl Biochem Microbiol* 10 (3): 373-376. Ref. May/June 1974 Transl 1975

033119 QH345.A1P73
Purification and properties of proteinase inhibitors from the albumin of the eggs of certain species of birds [Chickens, quail]. Mosolov, V V; Fedurkina, N V; Ievleva, E V *Appl Biochem Microbiol* 10 (3): 345-348. Ref. May/June 1974 Transl 1975

033120 381 AR2
Effects of net charge on the hydrogen-deuterium exchange parameters of [egg white] lysozyme. Kakuda, Y; Mueller, D D *Arch Biochem Biophys* 171 (2): 586-596. Ref. Dec 1975

033121 AS21.A75U45
Eggshell damage and master container costs of two shell egg marketing systems. Lederer, B E; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 69, 20 P. Jan 1976

033122 295.9 IN7
Biological structure of poultry meat frozen in liquid nitrogen and in air. Koreshkov, V N; Guslyannikov, V V; Tinyakov, G G *Bull Inst Int Froid* 3 (Suppl.): 247-252. Ref. 1974

033123 275.29 N811
Labor efficiency in poultry processng plants. Brooks, R C; Kennett, H S; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 606, 14 P. Sept 1975

41.8 C61
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. (Ita) Albano Annicchino, G; Di Modugno, G; Intrieri, F; Barbieri, V *Clin Vet* 98 (10): 431-439. Ref. Eng. Sum. Oct 1975

033124 QP501.C6
Origin of di-isobutyl phthalate, a contaminant mimicking nonadecenoic acid in fatty acids of egg membrane lipids. Pascal, J C; Ackman, R G *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 111-113. Ref. 1976

033125 280.38 F62
Keeping quality of frozen chickens and chicken portions, time-temperature-tolerance and nature of packaging tests. (Ger) Bogh-Sorensen, L *Fleischwirtschaft* 55 (11): 1587-1592. Eng. Sum. Nov 1975

033126 280.38 F62
On the term "Huhnerklein" [Poultry products]. (Ger) Flemmig, R *Fleischwirtschaft* 55 (11): 1533-1534. Nov 1975

033127 HD9000.1.F64
Improved characteristics for dry, fermented turkey sausage. Acton, J C; Dick, R L *Food Prod Dev* 9 (8): 91-94. Ref. Oct 1975

033128 RA565.M3
Air pollution [harmful to man, animals, plants]. Lillington, G A *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 305-313. Ref. 1974

033129 SF481.I55
A method for estimation of meatiness in broilers. Borsting, E *Indian Poult Rev* 7 (1): 57-59. Aug 15, 1975

033130 41.8 IN2
Effect on lime treating, oil spraying and thermostabilization on the keeping quality of shell eggs [Chickens]. Nambiar, K G *Indian Vet J* 52 (12): 923-927. Ref. Dec 1975

033131 381 J8223
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. Wilson, B R; Pearson, A M; Shorland, F B *J Agric Food Chem* 24 (1): 7-11. Ref. Jan/Feb 1976

033132 44.8 J824
The effect of salting on the microbiology of poultry meat. Juven, B J; Gertshovki, R *J Milk Food Technol* 39 (1): 13-17. Ref. Jan 1976

033133 410.9 L84P
Regulation of avian eggshell porosity. Tullett, S G *J Zool* 177 (3): 339-348. Ref. Nov 1975

033134 47.8 N57
Survey of the methods for long term storage of poultry eggs. 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) eggs from retail stores. (Jpn) Tanabe, H; Ogawa, N *Jap Poult Sci* 12 (6): 282-285. Eng. Sum. Nov 1975

033135 11 L2322
Economic results of the influence of feeding on the production of slaughter chickens [Protein]. (Dan) Petersen, V E *Landbo Nyt* 29 (9): 520-524. Sept 1975

033136 19.5 P752
Differences in the chemical composition of meat and its biological value in the hybrids Hybro B, Ross and Hubbard [Poultry]. (Slo) Stanik, J; Gabris, J *Pol'nohospodarstvo* 21 (7): 568-573. Eng. Sum. 1975

033137 SF481.P64
Some convenience poultry products. Panda, B *Poult Guide* 12 (10): 49-52. Oct 1975

FIELD CROP PRODUCTS

033138 58.8 D482
Comparison of the interrupted and direct methods of sugar beet transports. (Ger) Schmalfuss, R *Agrartechnik* 25 (9): 462-464. Sept 1975

033139 58.8 D482
Crushing roots by cutting [Sugarbeets]. (Ger) Ehlert, D; Plotner, K *Agrartechnik* 25 (11): 561-563. Nov 1975

033140 S19.A32
Safflower and its uses. Kulandaivelu, R; Shanmugasundaram, V S *Agric Agroind J* 8 (2/8): 22-23. Aug 1975

033141 385 AG8B
Adsorption of microbial beta-amylase on starch [from soybean, barley, potato]. Hoshino, M; Hirose, Y; Sano, K; Mitsugi, K *Agric Biol Chem* 39 (12): 2415-2416. Dec 1975

033142 22 AG832
Effect of milling and baking on the retention of thiamine and riboflavin in some new wheat varieties of Pakistan. Farhatullah,; Bhatti, M B *Agric Pak* 26 (1): 1-14. Ref. Mar 1975

033143 24 EG94
Deviation of actual counts of cotton yarn samples from nominal count (60 carded). 3. 1970 [production]. Abou-Schly, A H; Ahmed, A A; Albert, N H *Agric Res Rev* 52 (8): 61-64. Aug 1974 (Pub. 1975)

033144 16 AG8226
Facts and fancies in the country of spaghetti [Wheat products, production]. (Ita) Ferroni, C *Agricoltura* 24 (6): III-IX. June 1975

033145 15 AG84
Storage of cereals. (Spa) Soroa y Plana, J M de *Agricultura (Madr)* 44 (519): 531-533. July 1975

033146 26 AG86
Millet (Pennisetum typhoides) milling techniques and value of the semolinas and flours. (Fre) Adrian, J; Goussault, B; Arnal-Peyrot, F; Samson, M F *Agron Trop (Paris)* 30 (1): 43-51. Ref. Eng. Sum. Jan/Mar 1975

033147 QH345.A1P73
Acid proteases of barley and barley malt. Popov, M P; Karpilenko, G P *Appl Biochem Microbiol* 10 (2): 246-250. Mar/Apr 1974 Transl. 1975

033148 QH345.A1P73
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). Salmanova, L S; Zhdanova, L A *Appl Biochem Microbiol* 10 (2): 241-245. Ref. Mar/Apr 1974 Transl. 1975

033149 QH345.A1P73
Amines of the volatile components of bread baked from dough prepared by different methods. Zyuz'ko, A S; Enikeeva, N G; Golovnya, R V; Zhuravleva, I L *Appl Biochem Microbiol* 10 (3): 368-372. Ref. May/-June 1974 Transl 1975

033150 QH345.A1P73
Change in the free amino acid composition of Egyptian barley during preparation of malt and wort. el Farra, A K; Foda, I U; el Ashvakh, I T *Appl Biochem Microbiol* 10 (2): 251-252. Mar/Apr 1974 Transl. 1975

033151 QH345.A1P73
Change in the sugars of Egyptian [barley] malt during mashing. el-Farra, A H; Foda, I W; el-Ashwah, I T *Appl Biochem Microbiol* 10 (3): 409-410. Ref. May/June 1974 Transl 1975

033152 QH345.A1P73
Dynamics of the hydrolysis of barley beta-glucan under the action of various enzyme preparations. Salmanova, L S; Zhdanova, L A *Appl Biochem Microbiol* 10 (3): 377-382. Ref. May/June 1974 Transl 1975

033153 QH345.A1P73
Gibberellin-like compounds in fresh and heat-treated barley. Fertman, G I; Tereshina, E V *Appl Biochem Microbiol* 10 (2): 215-218. Ref. Mar/Apr 1974 Transl. 1975

033154 QH345.A1P73
Influence of different hydrothermal-treatment methods on the protein complex of pearl barley. Fedorchenko, S F; Sosedov, N I *Appl Biochem Microbiol* 10 (2): 211-214. Ref. Mar/Apr 1974 Transl. 1975

033155 QH345.A1P73
Influence of proteins, mucilaginous compounds, and lipids on rye starch-paste formation. Sirotkin, V V; Golenkov, V F; Sosedov, N I *Appl Biochem Microbiol* 10 (2): 206-210. Ref. Mar/Apr 1974 Transl. 1975

033156 QH345.A1P73
Oxygen absorption during high-temperature treatment of tobacco. Trubnikov, V F; Arakelova, S I *Appl Biochem Microbiol* 10 (3): 414-415. May/June 1974 Transl 1975

033157 448.3 AP5
Semisolid fermentation of ryegrass [Lolium] straw. Han, Y W; Anderson, A W *Appl Microbiol* 30 (6): 930-934. Ref. Dec 1975

AS21.A75U53
A durable flame-retardant finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. Donaldson, D J; Normand, F L; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 45-46. Dec 1975

033158 AS21.A75U53
A radial-strain tester for measuring stress-strain behavior of low-modules textiles [Cotton]. Hassenboehler, C B Jr; Nelson, M L; Weiss, L C; Taggart, T; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 2-5. Dec 1975

AS21.A75U53
An effective ammonia reactor for the continuous production of fire-retardant cotton fabrics. Perkins, R M; Calamari, T A; Moore, H B; Schreiber, S P; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 52-65. Dec 1975

033159 AS21.A75U53
Cane sugar and silicon compounds. Clarke, M A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 66-75. Ref. Dec 1975

033160 AS21.A75U53
Carbohydrate changes in invert syrups [in sugarcane sugar manufacture]. Velasco, V S; Dowling, J F; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 138-154. Dec 1975

033161 AS21.A75U53
Chloride control in the refinery [Processing sugarcane]. Brown, C R; Pommez, P; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 76-92. Dec 1975

033162 AS21.A75U53
Colorant formation under refining conditions [Sugarcane sugar]. Carpenter, F G; Roberts, E J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 106-115. Dec 1975

033163 AS21.A75U53
Composition of acid beverage floc [Processing sugarcane]. Roberts, E J; Carpenter, F G; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 39-50. Ref. Dec 1975

033164 AS21.A75U53
Deitz and Carpenter reviewed [Processing sugarcane]. Hanson, K R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 1-12. Ref. Dec 1975

033165 AS21.A75U53
Dimensional changes in peanut pods, kernels, and hulls as moisture is removed during drying. Slay, W O; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 81, 8 P. Jan 1976

033166 AS21.A75U53
Easily creasable DP [durable-press] cotton fabrics. Franklin, W E; Madacsi, J P; Rowland, S P; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 38-44. Ref. Dec 1975

033167 AS21.A75U53
Effect of carding variables and cotton-polyester blends on carding efficiency and processing performance. Simpson, J; Fiori, L A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 17-18. Dec 1975

033168 AS21.A75U53
Effect of drawing and roving processing variables and cotton/polyester blends on roving quality [Textiles]. Louis, G L; Fiori, L A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 19-20. Dec 1975

033169 AS21.A75U53
Effect of phosphate constituents on the sugar refining process. Chou, C C; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 29-38. Dec 1975

AS21.A75U53
Effects of milk on fire-retardant cotton fabric. Bullock, A L; Carter, M E; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 15-16. Dec 1975

033170 AS21.A75U53
Electron diffraction study of cellulose [Cotton]. Hebert, J J; Muller, L L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 1. Dec 1975

AS21.A75U53
Electron microscopy of flame-resistant fabrics [Cotton]. Goynes, W R; Boylston, E K; Muller, L L; Trask, B J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 79-80. Dec 1975

033171 AS21.A75U53
Fiber and yarn data on sixty-two research cotton samples. Lawson, R comp; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 55, 43 P. Ref. Dec 1975

AS21.A75U53
Flame-retardant cotton and synthetic fabric blends. St Mard, H H; Hamalainen, C; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 13-14. Dec 1975

033172 AS21.A75U53
Fluorescence measurements and pH [hydrogen-ion concentration] sensitivity as predictors of color removal in process [Sugarcane sugar]. Charles, D F; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 93-105. Dec 1975

033173 AS21.A75U53
Forces exerted on ties of compress universal density cotton bales. Anthony, W S; McCaskill, O L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 82, 8 P. Jan 1976

033174 AS21.A75U53
Improving thermal and electrical conductivity of cotton fabrics by chemical plating. Thibodeaux, D; Baril, A Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 23-24. Dec 1975

033175 AS21.A75U53
Individualizing cotton fiber by "spiral" carding. Brown, R S; Rhodes, P L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 21-22. Dec 1975

AS21.A75U53
Meeting the mattress flammability standard with treated cotton batting. Neumeyer, J P; Koenig, P A; Knoepfler, N B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 70-78. Dec 1975

033176 AS21.A75U53
Migration of finishing agent in tubular processing of knitted cotton fabrics. Andrews, B A K; Frick, J G Jr; Gautreaux, G A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 36-37. Dec 1975

033177 AS21.A75U53
New mineral dyes for cotton fabrics. Conner, C J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 10. Dec 1975

AS21.A75U53
New or unusual approaches to flameproofing [Cotton, textiles]. Frank, A W; Gonzales, E J; Margavio, M F; Vail, S L; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 47-48. Dec 1975

033178 AS21.A75U53
Optimum conditions for determining individual minor constituents in cane sugar by gas-liquid chromatography [Analysis]. Godshall, M A; Roberts, E J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 51-65. Ref. Dec 1975

AS21.A75U53
Oxyluminescent behavior of flame-retardant cottons. Pittman, R A; Heinzelman, D C; Tripp, V W; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 68-69. Dec 1975

033179 AS21.A75U53
Photofinishing for cotton textiles. Arthur, J C Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 6-7. Dec 1975

033180 AS21.A75U53
Potentials of organic solvents in finishing of cottons. Soignet, D M; Berni, R J; Pilkington, M W; Benerito, R R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 8-9. Dec 1975

033181 AS21.A75U53
Proceedings of the 13th cotton utilization research conference, New Orleans, Louisiana, May 14-16, 1973 [Flameproofing fabrics, processing]. U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64, 80 P. Ref. Dec 1975

033182 AS21.A75U53
Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, Cherry Hill, New Jersey, October 20-22, 1974. Clarke, M A ed; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88, 154 P. Ref. Dec 1975

033183 AS21.A75U53
Processing facilities and program for research on cotton knits. Kingsbery, E C; Ruppenicker, G F Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 25. Dec 1975

033184 AS21.A75U53
Shrinkage control of durable-press cotton knits. Verburg, G B; Frick, J G Jr; Reid, J D; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 35. Dec 1975

033185 AS21.A75U53
Some moisture properties of high-percentage cotton blends [Textiles]. Harper, R J Jr; Bruno, J S; Blanchard, E J; Gautreaux, G A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 11-12. Dec 1975

033186 AS21.A75U53
Starch: its occurrence, importance, and removal in sugar manufacture. Alexander, J B; Matic, M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 13-28. Ref. Dec 1975

AS21.A75U53
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(-hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. Weiss, L C; Andrews, F R; Hassenboehler, C B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 66-67. Dec 1975

AS21.A75U53
The effects of dyes on the flame retardancy of cotton fabric. Segal, L; Timpa, J D; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 49-51. Dec 1975

033187 AS21.A75U53
The taper and its relation to the physical properties of cotton fibers. Seshan, K N; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 26-34. Dec 1975

033188 AS21.A75U53
Use of differential pulse anodic stripping for trace elements in sugar products. Pommez, P; Cormier, R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 125-137. Dec 1975

033189 389.8 SI1
A sugar-free formula for regular and high-protein breads [Wheat flour, soy flour]. Finney, K F *Bakers Dig* 49 (6): 18-22. Ref. Dec 1975

033190 389.8 SI1
Effects of nitrogen and phosphorus fertilizer on malting quality of wheat. Pomeranz, Y; Stanbridge, N N; Goplin, E D *Bakers Dig* 49 (6): 27-28, 45. Dec 1975

033191 65.8 B73
Contribution to the systemic treatment of sugar and alcohol production. I. (Por) Fernandes, H L *Bras Acucar* 86 (1): 28-56. July 1975

033192 65.8 B73
Sugar: characteristics, classification and refining of the product. (Por) Coutinho, N *Bras Acucar* 85 (5): 16-28. May 1975

033193 65.8 B73
Sugar laboratory problems. V. New table for corrections of readings of conductometric ashes obtained on the Buse-Todt-Gollnow universal rafinometer [Sugar analysis]. (Por) Oliveira, E R de; Stupiello, J P *Bras Acucar* 86 (3): 36-40. Eng. Sum. Sept 1975

033194 65.8 B73
Sugar terminal at the port of Maceio, Alagoas [Storage]. (Por) Tavares, P *Bras Acucar* 85 (3): 11-23. Mar 1975

033195 107.6 Y14
Scanning electron microscopy of the endosperm of cereal crops. 3. Starch cell layer of white-core rice. (Jpn) Utsunomiya, H; Yamagata, M; Doi, Y *Bull Fac Agric Yamaguti Univ* 26: 1-18. Eng. Sum. 1975

033196 107.6 Y14
Scanning electron microscopy of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. (Jpn) Utsunomiya, H; Yamagata, M; Doi, Y *Bull Fac Agric Yamaguti Univ* 26: 19-44. Eng. Sum. 1975

58.9 F843B
Effect of cereal mixtures with various moisture content on the indicator of a humidifier. (Fre) Feuilloley, P; Degos, J C *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 37-39. Nov 1975

033197 302.9 EN8
Pulp for hemp paper: mechanical pulp and mechano-chemical pulp [Analysis, properties]. (Ita) Bosia, A *Cellul Carta* 26 (3): 32-36. Eng. Sum. Mar 1975

033198 59.8 C33
A new method of analysis of protein content in grain by proton activation. Dohan, D A; Standing, K G; Bushuk, W *Cereal Chem* 53 (1): 91-100. Ref. Jan/Feb 1976

033199 59.8 C33
A note on the relation of sample size [of wheat] to Hagbergfalling number values. Tara, K A; Bains, G S *Cereal Chem* 53 (1): 28-32. Ref. Jan/Feb 1976

033200 59.8 C33
Biochemical properties and ultrastructure of protein bodies isolated from selected cereals. Adams, C A; Novellie, L; Wiebenberg, N von der W *Cereal Chem* 53 (1): 1-12. Ref. Jan/Feb 1976

033201 59.8 C33
Breakage of long-grain rice in relation to kernel thickness. Matthews, J; Spadaro, J J *Cereal Chem* 53 (1): 13-19. Jan/Feb 1976

033202 59.8 C33
Correlation of dough [of wheat flour] stickiness with texturometer reading and with various quality parameters. Noguchi, G; Shinya, M; Tanaka, K; Yoneyama, T *Cereal Chem* 53 (1): 72-77. Ref. Jan/Feb 1976

59.8 C33
Differences in total lipid and fatty acid composition of doughnuts as influenced by lecithin leavening agent, and use of frying fat. McComber, D; Miller, E M *Cereal Chem* 53 (1): 101-109. Ref. Jan/Feb 1976

033203 59.8 C33
Effect of chemical modifications on the ultrastructure of corn, waxy maize, and tapioca starches. Chabot, J F; Hood, L F; Allen, J E *Cereal Chem* 53 (1): 85-91. Jan/Feb 1976

033204 59.8 C33
Infrared and Raman spectra [for identifying organic compounds] of maltooligosaccharides [in cereals]. Srisuthep, R; Brockman, R; Johnson, J A *Cereal Chem* 53 (1): 110-117. Ref. Jan/Feb 1976

033205 59.8 C33
Kinetics of batch drying of deep-bed rough rice using dimensional analysis. Kachru, R P; Matthes, R K *Cereal Chem* 53 (1): 61-71. Ref. Jan/Feb 1976

033206 59.8 C33
Methyl bromide fumigation. I. Effect of high dosages on breadmaking quality and germination of wheat. Minett, W; Orth, R A; Cook, L J *Cereal Chem* 53 (1): 41-50. Ref. Jan/Feb 1976

033207 59.8 C33
New techniques for preparation of improved sunflower protein concentrates. Fan, T Y; Sosulski, F W; Hamon, N W *Cereal Chem* 53 (1): 118-125. Ref. Jan/Feb 1976

033208 59.8 C33
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. Molina, M R; Mayorga, I; Bressani, R *Cereal Chem* 53 (1): 134-140. Jan/Feb 1976

033209 59.8 C33
Protein and amino acid compositions of dry-milled and air-classified fractions of triticale grain. Stringfellow, A C; Wall, J S; Donaldson, G L; Anderson, R A *Cereal Chem* 53 (1): 51-60. Ref. Jan/Feb 1976

033210 59.8 C33
Short-term baking systems. I. Interdependence of yeast concentration, fermentation time, proof time and oxidation requirement. Finney, P L; Magoffin, C D; Hoseney, R C; Finney, K F *Cereal Chem* 53 (1): 126-134. Jan/Feb 1976

033211 QD241.K453
Influence of solvents on isomerization in the hydrogenation of cottonseed oil. Nazarova, I P; Glushenkova, A I; Markman, A L *Chem Nat Compd* 10 (2): 251-252. Mar/Apr 1974 (Transl. 1975)

033212 QD241.K453
Oil of the seeds of the cotton plant of variety AN-401. Kodyrov, K; Chernenko, T V; Umarov, A U *Chem Nat Compd* 10 (2): 246-247. Mar/Apr 1974 (Transl. 1975)

033213 QD241.K453
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of solid phase in cottonseed oil hydrogenates. Nazarova, I P; Glushenkova, A I; Markman, A L; Tararskii, V P; Vadzhipov, O YA *Chem Nat Compd* 10 (2): 253-254. Mar/Apr 1974 (Transl. 1975)

033214 TP368.C7
Cereal proteins: chemistry and food applications. Shukla, T P *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (1): 1-75. Ref. 1975

033215 TP368.C7
Chemistry of oats: protein foods and other industrial products. Shukla, T P *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (4): 383-431. Ref. 1975

033216 TP368.C7
Irradiation of cereal grains and cereal grain products [for preservation]. Lorenz, K *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (4): 317-382. Ref. 1975

033217 TP368.C7
Use of sunflower seed in food products. Robertson, J A *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (2): 201-240. Ref. 1975

033218 65.8 C89
Adsorption of the colouring matters of sugar factory juice on calcium carbonate. (Hun) Vukov, K *Cukoripar* 28 (6): 209-213. Ref. Eng. Sum. Nov/Dec 1975

033219 65.8 C89
Desugarization of molasses increase of yield of white sugar. (Hun) Salanki, I *Cukoripar* 28 (5): 170-174. Eng. Sum. Sept/Oct 1975

033220 290.9 M57
Possibilities and problems of processing potatoes for the food industry. (Hun) Balogh, K; Kovacs, K *Elelmez Ipar* 29 (9): 265-271. Eng. Sum. Sept 1975

033221 275.29 OH32EL
Mini-production of maple syrup [Acer saccharum]. Cowen, W F Jr; Gould, W A; Ohio State University Cooperative Extension Service *Ext Leafl L Ohio State Univ Ext Serv* 233, 8 P. Feb 1975

033222 384 C422
New varieties of rapeseed as a source of proteins. El Nockrashy, A S; Mukherjee, K D; Mangold, H K *Fette Seifen Anstrichm* 77 (11): 451-452. Nov 1975

033223 HD9000.1.F64
Formed peanut butter slice—process development seeks a product. McCormick, R D *Food Prod Dev* 9 (9): 12, 14. Nov 1975

HD9000.1.F64
Good market climate nurtures soy industry growth. Anton, J J *Food Prod Dev* 9 (8): 96-99. Oct 1975

033224 HD9000.1.F64
Shortening sparing effect of sodium stearoyl-2-laclylate in puff pastry. Baiocchi, F; Selby, L; Del Vecchio, A J *Food Prod Dev* 9 (9): 52, 56. Nov 1975

033225 389.8 F7333
The [Neotec] Grain quality Analyzer. Rosenthal, R D *Food Technol Aust* 27 (9): 351-353, 355, 357. Sept 1975

033226 SD1.F66
Seven cordages varieties of abaca [Fiber analysis]. Escolano, E U *Forpride Dig* 3 (3/4): 56-57. Sept/Dec 1974

033227 SD1.F66
Sulfate pulping of kenaf. Visperas, R V *Forpride Dig* 3 (3/4): 58. Sept/Dec 1974

033228 298.8 M292
Influence of the modification of economical regulations on the cereal industry. (Hun) Koranyi, Gy *Gabonaipar* 22 (6): 201-206. 1975

033229 298.8 G33
Characteristics of native and modified gluten proteins of wheat. (Ger) Belitz, H D; Hoffmann, D; Kieffer, R; Nitsche, G *Getreide Mehl Brot* 29 (10): 270-272. Oct 1975

033230 298.8 G33
Consistency of rye doughs. (Ger) Wassermann, L *Getreide Mehl Brot* 29 (8): 202-206. Ref. Aug 1975

033231 298.8 G33
Determination of wheat gluten content with "gluto matic" considering the problem in relation to varieties and marketing. (Ger) Waltl, K *Getreide Mehl Brot* 29 (8): 212-216. Aug 1975

033232 298.8 G33
Improving protease identification in wheat and rye with N alpha benzoyl-L-arginin-4-nitroanilid (L-BAPA) used as medium. (Ger) Breyer, D; Hertel, W *Getreide Mehl Brot* 29 (7): 185-188. July 1975

033233 298.8 G33
Proposed European Economic Community flour-types and their baking behavior. (Ger) Brummer, J M; Stephan, H *Getreide Mehl Brot* 29 (7): 188-193. Ref. July 1975

033234 298.8 G33
Relations between analytical data and millability of rye. (Ger) Vorwerck, K *Getreide Mehl Brot* 29 (7): 180-182. July 1975

033235 298.8 G33
Results with the extrusion of corn varieties grown in the Federal Republic of Germany. (Ger) Seiler, K *Getreide Mehl Brot* 29 (7): 193-196. July 1975

033236 298.8 G33
Simple and polyradiant baked products. (Ger) Kuppers-Sonnenberg, G A *Getreide Mehl Brot* 29 (10): 251-253. Oct 1975

033237 298.8 G33
Studies of physiology for development of sour dough-bacteria. 4. The effect of different systems by the storage of sour dough on its microflora. (Ger) Spicher, G; Mollemann, A *Getreide Mehl Brot* 29 (8): 206-212. Ref. Aug 1975

033238 298.8 G33
Views on the quality of "Christstollen" [Bakery products]. (Ger) Hildenbrnd, K *Getreide Mehl Brot* 29 (8): 216-219. Ref. Aug 1975

033239 S19.G74
Post-harvest technology of cereals. Pingale, S V *Green Revolution* P. 91-94. 1974

033240 100 IL64
A new Illinois soybean beverage: tasty, smooth, nutritious, and economical. Wei, L S; Steinberg, M P; Nelson, A I; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 3-4. Fall 1975

033241 65.8 IN23
Prospects in industrial production of liquid sugar. (Ita) Marignetti, N *Ind Saccarif Ital* 68 (4): 87-90. Ref. Eng. Sum. July/Aug 1975

033242 65.8 IN23
Sugar refining. (Ita) Rossi, A *Ind Saccarif Ital* 68 (4): 94-105. (Continued) Eng. Sum. July/Aug 1975

033243 SB599.I47
Fermentative conversion of sugarcane juice into fungal protein. II. Effect of different nitrogen sources, levels of ammonium nitrate and incubation period. Singh, K; Chahal, D S *Indian J Mycol Plant Pathol* 4 (2): 177-181. Ref. July 1974 (Pub. 1975)

033244 65.8 IN26
A practical approach towards better sugar quality at low cost. Jain, G S *Indian Sugar* 25 (5): 363-365. Aug 1975

033245 65.8 IN26
Periods of difficult mud settling [Sugarcane juices, processing]. Chaturvedi, P P *Indian Sugar* 25 (5): 367-370. Aug 1975

033246 65.8 IN8
Diffusion in South Africa [Sugarcane processing]. II. Fitzgerald, J; Lamusse, J P *Int Sugar J* 923: 329-332. Nov 1975

033247 65.8 IN8
Industrial uses for sucrose. Vlitos, A J *Int Sugar J* 923: 322-326. Nov 1975

033248 385 AG8
Neutral polysaccharides in soy sauce. (Jpn) Kikuchi, T *J Agric Chem Soc Jap* 49 (11): 597-601. Ref. Eng. Sum. Nov 1975

033249 385 AG8
Purification and characterization of lipolytic acyl-hydrolases from rice bran. (Jpn) Hirayama, O; Matsuda, H *J Agric Chem Soc Jap* 49 (11): 569-576. Ref. Eng. Sum. Nov 1975

033250 385 AG8
Purification and characterization of lipolytic acyl-hydrolases from rice endosperm. (Jpn) Matsuda, H; Hirayama, O *J Agric Chem Soc Jap* 49 (11): 577-583. Eng. Sum. Nov 1975

033251 381 J8223
Chemistry of tobacco constituents: oxidation of alpha-ionone and the acid-catalyzed rearrangement of 5-keto-alpha-ionone. Davis, D L; Stevens, K L; Jurd, L *J Agric Food Chem* 24 (1): 187-189. Ref. Jan/Feb 1976

033252 381 J8223
Oxidized phosphatidylcholines from defatted soybean flakes taste bitter. Sessa, D J; Warner, K; Rackis, J J *J Agric Food Chem* 24 (1): 16-21. Ref. Jan/Feb 1976

033253 381 J8223
Participation of Amadori rearrangement products and carbonyl compounds in oxygen-dependent browning of soy sauce [during storage]. Hashiba, H *J Agric Food Chem* 24 (1): 70-73. Ref. Jan/Feb 1976

033254 307.8 J82
Comparison of oxalic acid and phosphoric acid as degumming agents for [rapeseed, soybean] vegetables oils. Ohlson, R; Svensson, C *J Am Oil Chem Soc* 53 (1): 8-11. Jan 1976

307.8 J82
Continuous sheeting and packaging of pastry type and other fats [Margarine, butter]. Edmunds, R S; Budlong, T L *J Am Oil Chem Soc* 53 (1): 30-31. Jan 1976

033255 307.8 J82
Effects of refining and bleaching on oxidative stability of sunflowerseed oil. Morrison, W H III *J Am Oil Chem Soc* 52 (12): 522-525. Ref. Dec 1975

033256 307.8 J82
Lipids of seven cereal grains. Price, P B; Parsons, J G *J Am Oil Chem Soc* 52 (12): 490-493. Ref. Dec 1975

033257 307.8 J82
Qantitative content of total polar lipids in soybean seeds. Zhukov, A V; Vereshchagin, A G *J Am Oil Chem Soc* 53 (1): 1-7. Ref. Jan 1976

033258 307.8 J82
Rigid polyurethane foams from diethanolamides of carboxylated [linseed and soybean] oils and fatty acids. Khoe, T H; Frankel, E N *J Am Oil Chem Soc* 53 (1): 17-19. Ref. Jan 1976

033259 307.8 J82
Soybean lecithin processing unit operations. Brian, R *J Am Oil Chem Soc* 53 (1): 27-29. Jan 1976

033260 307.8 J82
1,1,2-trichloro-1,2,2-trifluoroethane for oilseed extractions [Full fat and defatted soybean flake]. Temple, S *J Am Oil Chem Soc* 53 (1): 32-35. Ref. Jan 1976

033261 385 Z64AE
Isolation and structural characteristics of cellulose from grasses. Dudkin, M S; Lemle, N A; Shkantova, N G *J Appl Chem USSR* 48 (6, Pt. 2): 1400-1403. June 1975

033262 385 J822
Structures of multi-branched dextrins produced by saccharifying alpha-amylase from [rice] starch. Umeki, K; Yamamoto, T *J Biochem (Tokyo)* 78 (5): 897-903. Ref. Nov 1975

033263 475 J824
High-pressure liquid chromatographic analysis for triamcinolone acetonide in rice starch. Higgins, J W *J Chromatogr* 115 (1): 232-235. Dec 10, 1975

033264 390.08 H12
Changes in lipid components of miso-dama koji [Soybean pastes, yeasts]. Kiuchi, K; Ohta, T; Ebine, H *J Ferment Technol* 53 (12): 869-874. Dec 1975

033265 389.8 J823
Controlled sun drying of freshly harvested paddy for improved milling quality. Bhashyam, M K; Srinivas, T; Desikachar, H S R *J Food Sci Tech* 12 (3): 124-127. Ref. May/June 1975

033266 389.8 J823
Development of high protein bread. II. Soya flour utilisation. Sahni, S K; Krishnamurthy, K *J Food Sci Tech* 12 (4): 178-183. July/Aug 1975

033267 389.8 J823
Enzymic saccharification of bagasse [by Trichoderma viride, fungi]. Mukhopadhyay, S N; Ghosh, P; Potty, V H *J Food Sci Tech* 12 (3): 120-123. Ref. May/June 1975

033268 389.8 J823
Prediction of time of hydration during parboiling of paddy from activation energy. Bandyopadhyay, S; Roy, N C *J Food Sci Tech* 12 (4): 197-200. July/Aug 1975

033269 389.8 J823
Relative amylase activity of some malted cereal grains. Jain, A K; Date, W B *J Food Sci Tech* 12 (3): 131-132. May/June 1975

033270 389.8 J823
Studies on Tempeh [fermented soybean food]. I. Processing and nutritional evaluation of Tempeh from a mixture of soybean and groundnut. Bai, R G; Prabha, T N; Ramachandra Rao, T N; Sreedhara, V P; Sreedhara, N *J Food Sci Tech* 12 (3): 135-138. Ref. May/June 1975

033271 44.8 J824
Chemical and microbial changes in dehulled confectionery sunflower kernels during storage under controlled conditions. Robertson, J A; Thomas, J K *J Milk Food Technol* 39 (1): 18-23. Ref. Jan 1976

033272 73.9 T31
The degree of cell-wall thickening as a measure of the maturity of cotton fibres. *J Text Inst* 66 (9): 332-334. Sept 1975

033273 TP156.R45J6
The effect of temperature on some rheological properties of wheat flour doughs. Bloksma, A H; Nieman, W *J Texture Stud* 6 (3): 343-361. Ref. Sept 1975

033274 11 L2322
Beet storage. (Dan) Rasmussen, A *Landbo Nyt* 29 (11): 593-595, 597. Nov 1975

033275 105.2 OR3
The protein value of soy with a standard layer PDI [protein dispersibility index] number. (Dut) Borggreve, G J; Grimbergen, A H M; Stappers, H P *Landbouwkd Tijdschr* 87 (1): 17-22. Jan 1975

033276 304.8 M27
Comparison to continuous cotton spinning plants with special reference to OE spinning. I. (Hun) Sugar, A; Gagyi, D *Magy Textiltech* 29 (12): 609-616. Eng. Sum. Dec 1975

033277 105.1 G344
Rheological behaviour of agricultural products [Maize]. Van Lancker, J; Mercy, J; Houthoofd, A *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1490-1497. 1974

033278 18 N39
What are "Secondary products" of maize oil production? (Ger) Bassler, R; Putzka, H A *Mitt DLG (Dtsch Landwirtsch Ges). Ausg A* 90 (23): 1263-1265. Dec 4, 1975

033279 390.08 V67
Connection between protein content and malt extract yield in brewing barley. (Ger) Weith, L *Mitt Versuchsstn Garungsgewerbe Wien* 29 (5/6): 85-88. Ref. May/June 1975

033280 390.08 V67
Spelt content of brewing barley as a quality determining variety characteristics. (Ger) Schreiner, E; Puspok, J *Mitt Versuchsstn Garungsgewerbe Wien* 29 (5/6): 89-90. May/-June 1975

033281 514 N482
Falling number and amylograph viscosities of wheat flour made from grain stored for several years. Meredith, P; Simmons, L D *N Z J Sci* 18 (2): 185-188. Ref. June 1975

033282 472 N21
Row over irradiation of wheat. Sehgal, K *Nature* 257 (5527): 440. Oct 9, 1975

033283 SB215.C4
Fermented juice of some sugarcane varieties. (Fre) Montreau, F R; Dufrenot, L *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (2): 23-26. Apr/June 1974

SB215.C4
List of publications of the XV congress of the International Society of Sugar Cane Technologists held in Durban (South Africa) June 13 to 29, 1974. (Fre) *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (4): 7-12. Oct/Dec 1974

033284 64.8 N76
Effect of milling on wheat quality. (Hun) Pollhamer, Mrs E *Novenytermeles* 24 (3): 209-217. Ref. Eng. Sum. Sept 1975

033285 307.8 O154
Delinting and dehulling of high-lintered cottonseed—effect of variables. Lakshminarayana, T; Surendranath, M R; Thirumala Rao, S D; Reddy, B R *Oils Oilseeds J* 28 (1): 5-7. July/Sept 1975

033286 10 OU8
Cereal straw production and utilization in England and Wales [Statistics]. Staniforth, A R *Outlook Agric* 8 (4): 194-200. Maps. Ref. 1975

033287 396.8 P4933
Analysis of rape oil. (Ger) Sonanini, D; Weber, S *Pharm Acta Helv* 50 (11): 379-384. Ref. 1975

033288 22.5 C88
Process of dry matter accumulation into the kernel and grain characteristics of Japonica and Indica rice [Varieties]. (Jpn) Nagato, K; Suzuki, S; Sado, T *Proc Crop Sci Soc Jap* 44 (4): 431-437. Eng. Sum. Dec 1975

033289 21 R862
Importance of quality of barley used in the alcohol industry. (Rum) Rotaru, V *Prod Veg Cereale Plante Teh* 27 (1): 27-30. 1975

033290 21 R862
Measures to improve the bread quality at the Galatz bakery. (Rum) Dinachi, M; Grecu, S; Vasilescu, A *Prod Veg Cereale Plante Teh* 26 (9): 35-40. Sept 1974

033291 21 R862
Modern technologies applied in Romania in order to obtain soybean grams with a high protein content. (Rum) Noia, A *Prod Veg Cereale Plante Teh* 27 (2): 29-34. 1975

033292 21 R862
Several factors increasing the storage resistance of sugarbeets. (Rum) Staticescu, P; Zamfirescu, M *Prod Veg Cereale Plante Teh* 26 (10): 29-35. Ref. Eng. Sum. Oct 1974

033293 21 R862
Soybean as a raw material in the food industry. (Rum) Slusanschi, H; Preoteasa, C *Prod Veg Cereale Plante Teh* 27 (5): 33-38. 1975

033294 6 T311
What's going on with turnrow cotton storage? Deterling, D *Prog Farmer (Birmingham)* 90 (10): 32-33, 64. Oct 1975

033295 307.8 R32
Non protein and non-lipid components of oilseeds: chemical composition, properties, characterization. (Fre) Rinaudo, M *Rev Fr Corps Gras* 22 (8/9) 429-437. Ref. Eng. Sum. Aug/Sept 1975

033296 307.8 R32
Preparation of protein isolates and concentrates by physico chemical methods. Industrial procedures applied to soybean. (Fre) Nicolas, D; Kadane, V *Rev Fr Corps Gras* 22 (8/9): 439-449. Eng. Sum. Aug/Sept 1975

033297 307.8 OL3
Simplified equipment for desolventizing, toasting, drying and cooling in one apparatus for processing of soybeans. Schumacher, H *Riv Ital Sost Grasse* 52 (9): 299-301. Sept 1975

033298 61.8 SV2
Information concerning seed inspection [Field crops]. (Swe) *Sven Frotidn* 44 (1): 6-7. Jan 15, 1975

033299 61.9 SV23
Breeding for low content of glucosinolates in rape and turnip rape [Analysis]. (Swe) Jonsson, R; Josefsson, E; Uppstron, B *Sver Utsadesforen Tidskr* 85 (5/6): 279-290. Ref. Eng. Sum. 1975

033300 290.9 AM32T
Evaluation of costs for drying grain in batch or cross-flow systems. Young, J H; Dickens, J W *Trans ASAE (Am Soc Agric Eng)* 18 (4): 734-739. Ref. July/Aug 1975

033301 105.9 L65V
Fatty acid composition of rape seeds from Upper Austria. (Ger) Puchwein, G; Lemoch, I *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 111-121. Ref. 1975

033302 20 V82
On the problem of hemp seed storage. (Ukr) Romanenko, V I; Lohvinov, M I *Visn Sil's'kohospod Nauki* 11: 97-98. Nov 1975

033303 389.8 V89
Sarsazan flour [Halocnemum strobilaceum]. (Rus) Urazakov, I U *Vopr Pitan* 4: 81-82. July/Aug 1975

033304 384 Z39
Investigation on fat quality of embryo, endosperm and crush fractions of maize kernel. (Ger) Jahn-Deesbach, W; Marquard, R; Heil, M *Z Lebensm Unters Forsch* 159 (5): 279-283. Eng. Sum. 1975

033305 384 Z39
Investigations on fat quality of maize with special considerations of linoleic acid contents. (Ger) Jahn-Deesbach, W; Marquard, R; Heil, M *Z Lebensm Unters Forsch* 159 (5): 271-278. Ref. Eng. Sum. 1975

033306 65.8 D48
Concerning the influence exercised by air contained in heating steam of temperature drop in processes of heat transmission [Sugar processing]. (Ger) Wasmund, R *Z Zuckerind* 26 (1): 13-18. Eng. Sum. Jan 1976

033307 65.8 D48
O-alpha-D-glycopyranosyle-(1 to 5)-D-arabinofuranose—a type of disaccharide synthetized bacterioenzymatically [Sugar processing]. (Ger) Mauch, W; el Aama, F *Z Zuckerind* 26 (1): 21-25. Ref. Eng. Sum. Jan 1976

033308 65.8 D48
The extraction of sugar and non-sugars—optimization of the parameters: draft and sugar loss. (Ger) Blok, J; Poel, P W van der *Z Zuckerind* 26 (1): 8-12. Ref. Eng. Sum. Jan 1976

033309 SB183.Z4
Drying and processing rice grain in the Maritime territory. (Rus) Pugin, I K *Zern Maslichn Kul't* 8: 28-29. Aug 1975

033310 65.8 Z82
Gas chromatographic method for determining acids in technical sugar juices. (Ger) Reinefeld, E; Bliesener, K M; Rexilius, L *Zucker* 28 (12): 661-670. Ref. Eng. Sum. Dec 1975

033311 65.8 Z82
Invert sugar degradation during juice purification in the presence of atmospheric oxygen. Results obtained from industrial experiments. (Ger) Schiweck, H *Zucker* 28 (12): 670-674. Eng. Sum. Dec 1975

033312 65.8 Z82
Possibility of increasing the sugar yield by adding sulphur dioxide and calcium bisulphite during sugar extraction. (Ger) Zagrodzki, S *Zucker* 28 (12): 674-676. Ref. Eng. Sum. Dec 1975

033313 65.8 Z82
Preventive measures against dust explosions in the sugar industry. (Ger) Schneider, G *Zucker* 28 (12): 677-680. Eng. Sum. Dec 1975

033314 65.8 Z82
Sugar extraction by diffusion under non-steady conditions. (Ger) Genie, G V *Zucker* 29 (1): 9-14. Eng. Sum. Jan 1976

033315 65.8 Z82
The vibratory spray washer and its application in the sugar industry. (Ger) Sebastian, R *Zucker* 24 (5): 15-20. Eng. Sum. Jan 1976

HORTICULTURAL PRODUCTS

033316 14 P215BC
Malolactic fermentation in funcetion of sulfite treatment and heating [Wine manufacture]. (Fre) Martiniere, P; Sapis, J C; Ribereau-Gayon, J *Acad Agric Fr C R Seances* 61 (9): 496-502. 1975

033317 14 P215BC
Processing of quality wines. Past development and its teachings. (Fre) Ribereau-Gayon, J *Acad Agric Fr C R Seances* 61 (9): 486-495. 1975

033318 19 AC8
Studies on Egyptian black olives. I. Raw materials used in the pickling. Salem, S A; Ibrahim, H M *Acta Agron (Budap)* 24 (3/4): 417-419. 1975

033319 385 AG8B
Formation of volatile esters in strawberries. Yamashita, I; Nemoto, Y; Yoshikawa, S *Agric Biol Chem* 39 (12): 2303-2307. Ref. Dec 1975

16 AG8226
The wine cellar of Italy [Grape varieties, wine types]. (Ita) *Agricoltura* 24 (9): 75-86. Sept 1975

033320 S583.L32
Automated sulphate analysis of wines. Du Plessis, C S; Houtman, A C *Agrochemophysica* 7 (3): 47. Sept 1975

033321 390.9 AM33
Aging of wine: qualitative changes in the volatiles of Zinfandel wine during two years. Stern, D J; Guadagni, D; Stevens, K L *Am J Enol Vitic* 26 (4): 208-213. Ref. 1975

033322 390.9 AM33
Methanol in [grape] wines in relation to processing and variety. Lee, C Y; Robinson, W B; Van Buren, J P; Acree, T E; Stoewsand, G S *Am J Enol Vitic* 26 (4): 185-187. 1975

033323 390.9 AM33
Microbial inhibition caused by p-hydroxybenzoate esters in wine. Chan, L; Weaver, R; Ough, C S *Am J Enol Vitic* 26 (4): 201-207. Ref. 1975

033324 75.8 P842
Effect of variety and harvest date on tuber sugars and chip color [Potatoes]. Miller, R A; Harrington, J D; Kuhn, G D *Am Potato J* 52 (12): 379-386. Ref. Dec 1975

033325 442.8 AN72
Extractable protein from the by-product vegetation of some cole and root crops. Tekale, N S; Joshi, R N *Ann Appl Biol* 82 (1): 155-157. Jan 1976

033326 16 M582
Bearings of modern enology in the sphere of mechanized vinification with autovinificators. (Ita) Bardini, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 151-165. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033327 16 M582
Biological stabilization of wines. (Ita) Rivella, E *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 190-208. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033328 16 M582
Classical and modern technique of white wine vinification. (Ita) Humeau, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 88-96. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033329 16 M582
Classical and modern techniques of white wine vinification: practical aspects. (Ita) Tajana, C *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 97-104. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033330 16 M582
Filtration technique and filter materials [Wine making]. (Ita) Dal Cin, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 209-228. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033331 16 M582
Modern techniques of red wine vinification. (Ita) Brichetti, C *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 105-150. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033332 16 M582
Modern trends in refrigeration of wines and concentration and desulfurization of musts. (Ita) Colombo, E *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 166-189. Ref. Jan/Dec 1974 (Pub. 1975)

033333 16 M582
Procedures in wine treatment. (Ita) Paronetto, L *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 229-243. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

16 M582
Residues of 2-imidazolidine-thione (ethylenethiourea) in musts and wines. (Ita) Colagrande, O; Del Re, A; Natali, P; Rocchetta, R *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 287-298. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033334 16 M582
Technology of preparation of natural sparkling wine [Fermentation]. (Ita) Paronetto, L *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 268-286. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033335 16 M582
Veronese wines: reflections on the chemical and chemico-physical properties of Recioto wine from Valpolicella. (Ita) Colagrande, O; Rocchetta, R; Rattotti, M T; Paronetto, L *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 299-308. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033336 16 M582
Wine containers. (Ita) Botta, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 244-267. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033337 105.4 P435
Fermentation of various sugars in Saccharomyces ellipoideus and Schizosaccharomyces pombe [Wine musts, yeasts]. (Ita) Rosini, G *Ann Perugia Univ Fac Agrar* 29: 467-481. Ref. Eng. Sum. 1974

033338 105.4 P435
Yeast composition of grape musts subjected to thermal treatments of varied intensity and duration. (Ita) Rosini, G *Ann Perugia Univ Fac Agrar* 29: 457-466. Eng. Sum. 1974

033339 QH345.A1P73
Compounds responsible for the aroma of grapes and their role in formation of the bouquet of wine. Rodopulo, A K; Egorov, I A; Bezzubov, A A; Skuin', I P *Appl Biochem Microbiol* 10 (2): 228-223. Mar/Apr 1974 Transl. 1975

033340 QH345.A1P73
Determination of volatile aromatic compounds in sparkling apple wine. Vecher, A S; Veiner, A G; Yurchenko, L A *Appl Biochem Microbiol* 10 (2): 234-240. Ref. Mar/Apr 1974 Transl. 1975

033341 QH345.A1P73
Influence of drying methods on the free amino acids and amides of mushrooms. Dudareva, N T *Appl Biochem Microbiol* 10 (2): 269-271. Mar/Apr 1974 Transl. 1975

033342 QH345.A1P73
Investigation of the protein composition of anti-A of phytohemagglutinins, obtained from Phaseolus lunatus [Lima beans]. Pozhidaeva, G A; Molseeva, V P; Turchenko, E I *Appl Biochem Microbiol* 10 (3): 383-387. Ref. May/June 1974 Transl 1975

033343 QH345.A1P73
Properties of the polyphenol oxidase of grapes of the Cabernet Sauvignon variety. Bokuchava, M A; Soboleva, G A; Datunashvili, E N; Mindadze, R K *Appl Biochem Microbiol* 10 (2): 224-227. Ref. Mar/Apr 1974 Transl. 1975

033344 80 AR2
Effect of picking stage on free amino acids content in tomato fruits during storage at chilling and non-chilling temperatures. (Ger) Abou Aziz, A B; Abdel-Samie, K A; Abdel Maksoad, M A; Abdel-Kader, A S *Arch Gartenbau* 23 (8): 473-481. 1975

033345 80 AR2
Post maturity changes and keeping quality of seedless grapefruit 'Pink Marsh' in relation to the age of harvest. (Ger) Abd el-Latief, F I *Arch Gartenbau* 23 (8): 491-498. Ref. Eng. Sum. 1975

033346 20 ER4
The influence of ultrasonic waves on basic microorganisms of wine. II. The relationship between the effect of ultrasonic waves on the physicochemical composition of bactericides in a workable medium. (Rus) Avakian, B P *Biol Zh Arm* 28 (6): 86-88. June 1975

033347 295.9 IN7
Heat exchange during cooling fruit and/or vegetables in stacks or in bulk. Alyamovski, I G *Bull Inst Int Froid* 3 (Suppl.): 75-81. 1974

033348 295.9 IN7
Microscopic structure of frozen vegetable products: an aspect of practical interest. (Fre) Ulrich, R *Bull Inst Int Froid* 3 (Suppl.): 221-232. Ref. Eng. Sum. 1974

033349 295.9 IN7
Structural modifications in frozen vegetables. Monzini, A; Crivelli, G; Buonocore, C; Bassi, M *Bull Inst Int Froid* 3 (Suppl.): 239-246. Ref. 1974

033350 295.9 IN7
Temperature development in product stacks of different size and geometry [Flower bulbs]. Meffert, H F T; Beek, G van *Bull Inst Int Froid* 3 (Suppl.): 69-74. 1974

033351 295.9 IN7
The microscopic study of vegetable tissue during freezing and thawing. (Fre) Nguyen, V X *Bull Inst Int Froid* 3 (Suppl.): 253-259. Eng. Sum. 1974

033352 295.9 IN7
The structure of peaches and Aesculus pavia after various freezing and thawing treatments. Relation with quality. (Fre) Phan, P A; Nguyen, V X *Bull Inst Int Froid* 3 (Suppl.): 261-270. Eng. Sum. 1974

033353 295.9 IN7
The use of multipurpose ship's refrigerated spaces for the intransit sterilisation of citrus fruit to Japan. Bester, J M *Bull Inst Int Froid* 1 (Suppl.): 87-90. 1974

033354 295.9 IN7
Thermophysical properties of frozen lemon juice related to freeze-drying problems. Maltini, E *Bull Inst Int Froid* 3 (Suppl.): 201-207. 1974

033355 390.8 B87
Present state of wine manufacture from the technological point of view. Ways and means of development. (Fre) Wucherpfennig, K *Bull O I V* 48 (537): 949-962. Ref. Nov 1975

033356 390.8 B87
Relation between the content of wines in higher alcohols and the content of musts in nitrogen substances particularly in amino acids. (Fre) Bidan, P *Bull O I V* 48 (536): 842-867. Ref. Oct 1975

033357 SB401.C3C3
Card-Phenol (Cardanol) [manufactured from cashew nut shell liquid] & its utilisation. Mital, R N *Cashew News Teller* 8 (7/9): 11-14. Jan/Mar 1975

033358 100 AL1S (2)
Nut quality of selected pecan varieties grown in south Alabama. Amling, H J; Marcus, K A; Barrett, J E; McDaniel, N R; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 225, 19 P. Nov 1975

033359 TP368.C7
Capsicum [redpeppers]. Maga, J A *CRC Crit Rev Food Technol (Chem Rubber Co)* 6 (2): 177-199. Ref. 1975

033360 SB13.E35
Effect of growing season and different storage temperatures on the keeping quality of squash fruits. Abdel Maksoad, M M; Abou Aziz, A B; Abdel Kader, A S; Abdel Samei, K A *Egypt J Hortic* 2 (1): 75-81. 1975

033361 SB13.E35
Keeping quality of fresh date fruits as affected by cultivar and storage temperatures. Abou Aziz, A B; el-Nabawy, S M; Abdel-Wahab, F K; Abdel-Kader, A S *Egypt J Hortic* 2 (1): 67-74. 1975

033362 308.9 R26
Composition and qualith of commercial orange juices. 1. Bottled orange juices sold in European countries not producing citrus fruit. (Spa) Royo Iranzo, J; Aranda, A *Essenze Deriv Agrum* 45 (2): 149-176. Ref. Apr/June 1975

033363 308.9 R26
Deep-frozen essential oils [Citrus]. (Ita) Rovesti, P *Essenze Deriv Agrum* 45 (2): 100-105. Apr/June 1975

033364 308.9 R26
Essential oils of Ocimum suave wild. Of East Africa [Composition]. (Ita) Rovesti, P *Essenze Deriv Agrum* 45 (2): 106-109. Apr-/June 1975

033365 308.9 R26
L malic acid in bergamot juice [Analysis]. (Ita) Di Giacomo, A; Mammi De Leo, M; Siclari, P *Essenze Deriv Agrum* 45 (2): 144-148. Apr/June 1975

033366 308.9 R26
Limonin content of the juice of Calabrian blond oranges. (Ita) Di Giacomo, A; Calvarano, I *Essenze Deriv Agrum* 45 (2): 120-128. Apr/June 1975

033367 308.9 R26
Peroxide index of bergamot essential oil. (Ita) Di Giacomo, A; Bovalo, F; Caliciuri, M *Essenze Deriv Agrum* 45 (2): 110-119. Apr-/June 1975

033368 308.9 R26
The juice of the Italian grapefruit. (Ita) Pennisi, L *Essenze Deriv Agrum* 45 (2): 129-143. Ref. Apr/June 1975

033369 280.38 F62
Horseradish, a terribly sharp spice. (Ger) Gerhardt, U *Fleischwirtschaft* 55 (11): 1490-1491. Nov 1975

033370 275.29 N811EX
Fruit and vegetable [shipping] container guide. Proctor, E A; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 288, Rev., 4 P. July 1975

033371 80 F9492
Biochemical effects of bromelins. Their therapeutic use [Metabolites of fruits]. (Fre) Dupaigne, P *Fruits* 30 (9): 545-567. Ref. Eng. Sum. Sept 1975

033372 80 G1948
Careful preparation, a major condition for reducing losses on storage [Vegetables]. (Ger) Gatzke, E *Gartenbau* 22 (10): 289-290. Oct 1975

033373 80 G1948
Efficient utilization of storage capacity, the basis of highly effective investment [Fruit]. (Ger) Krummel, D; Nagel, J *Gartenbau* 22 (10): 303-305. Oct 1975

033374 80 G1948
Fruit storage problems in the People's Republic of Bulgaria. (Ger) Welkoff, L *Gartenbau* 22 (11): 339-341. Nov 1975

033375 80 G1948
Larger boxes for higher efficiency and lower costs [for storing fruit]. (Ger) Schuricht, R; Wandschneider, K; Hoffer, J; Lerche, K; Muller, E *Gartenbau* 22 (10): 307. Oct 1975

033376 80 G1948
Problems of long term storage of carrots and cabbage. (Ger) Teske, P; Lange, H M *Gartenbau* 22 (10): 315. Oct 1975

033377 80 G1948
Results of one-stage onion harvest [Storage]. (Ger) Peters, P; Volks, B *Gartenbau* 22 (10): 291-294. Oct 1975

033378 80 G1948
Stacking nine large fruit boxes one above the other in storehouses. (Ger) Pinske, V; Wandschneider, K *Gartenbau* 22 (10): 305-306. Oct 1975

033379 80 G1948
The application of wax emulsion to reduce losses on long-term storage of apples. (Ger) Wunsche, J; Osterloh, A; Katschinski, K H; Held, W H; Kohler, G *Gartenbau* 22 (10): 308-310. Oct 1975

033380 80 G1948
Ventilation studies on long-term normal storage of onions. (Ger) Peters, P *Gartenbau* 22 (10): 295-298. Oct 1975

033381 307.8 G76
Black olives by alkaline oxidation. III. A comparative study of iron determination methods. (Spa) Albi, M A; Garrido Fernandez, A *Grasas Aceites* 26 (3): 133-135. Eng. Sum. May/June 1975

033382 26 H27
Extending the shelf-life of garlic by gamma radiation. (Heb) Barkai-Golan, R; Padova, R; Zissman, A *Hassadeh* 56 (2): 265-268. Eng. Sum. Nov 1975

033383 26 H27
How to lengthen the life of cut flowers? (Heb) Gevili, A *Hassadeh* 56 (2): 311-312. Nov 1975

033384 1 AG84HG
How to make jellies, jams, and preserves at home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 56, Rev., 34 P. Dec 1975

87 G75
Effect of uncontrolled conditions on the preservation of sets of some onion varieties [Growth, bolting]. (Bul) Kakumukova, P *Hortic Vitic Sci* 12 (5): 61-69. Ref. Eng. Sum. 1975

033385 SB1.H6
Control in internal browning of 'Schmidt' sweet cherries [due to bruising during mechanical harvest] by handling in water. Wade, G L; Dewey, D H *Hortsci* 10 (6): 583-584. Dec 1975

033386 SB1.H6
Effect of ethylene on chlorophyllase activity and chlorophyll content in calamondin rind tissue. Barmore, C R *Hortsci* 10 (6): 595-596. Ref. Dec 1975

033387 SB1.H6
Influence of controlled-atmospheres on the quality and condition of stored nectarines. Olsen, K L; Schomer, H A *Hortsci* 10 (6): 582-583. Dec 1975

033388 SB1.H6
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] tomato mutant [in storage]. Buescher, R W; Tigchelaar, E C *Hortsci* 10 (6): 624-625. Ref. Dec 1975

SB52.G43F6
Advances in the field of farm control and wine research. (Ger) Jakob, L *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 168-174. Ref. 1974

033389 SB52.G43F6
Developments in fermentation physiology and microbiology [in wine making]. (Ger) Fuglein, O *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 175-188. Ref. 1974

S471.I4S92
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. Dhar, N R; Singh, J N *In Symp on Green Revolution* P. 177-182. 1974

033390 389.8 K832
Hydrolised starch products in fruit processing. (Ger) Marschke, H *Ind Obst Gemueseverwert* 60 (16): 449-454. Aug 21, 1975

033391 389.8 K832
Practical application of X-ray irradiation to improve keeping quality of onions. (Ger) Heins, H G *Ind Obst Gemuseverwert* 60 (23): 674-677. Dec 4, 1975

033392 389.8 K832
Sauerkraut, a natural product in tin cans [Manufacture]. (Ger) *Ind Obst Gemuseverwert* 60 (18): 509-511. Sept 18, 1975

033393 389.8 IN25
Effect of processing and storage conditions on the stability of chlorophyll and beta-carotene content of green leafy vegetables available in northern India. Kaur, B; Manjrekar, S P *Indian Food Pack* 29 (4): 9-14. July/Aug 1975

033394 389.8 IN25
Nature and application of pectinases with special reference to fruit and vegetable processing industry. Sreekantiah, K R *Indian Food Pack* 29 (4): 22-36. Ref. July/Aug 1975

033395 389.8 IN25
Processsing of brinjal [Eggplants]. Ramaswamy, S; Rege, D V *Indian Food Pack* 29 (4): 15-21. Ref. July/Aug 1975

033396 HD9000.1.I53
Harvesting, packing, and cooling western Iceberg lettuce. Wolf, D G *Int Conf Handling Perish Agric Commod* 26th: 36-38. 1974

033397 HD9000.1.I53
Lettuce handling systems [Container packing]. Garrett, R E *Int Conf Handling Perish Agric Commod* 27th: 35-40. 1975

033398 HD9000.1.I53
Packaging and handling crisphead lettuce. Cargill, B F; Garrett, R E *Int Conf Handling Perish Agric Commod* 26th: 98-108. 1974

033399 HD9000.1.I53
Palletization or unitization in the transportation cycle [of fresh fruits and vegetables]. Wells, R A *Int Conf Handling Perish Agric Commod* 27th: 123-126. 1975

033400 HD9000.1.I53
Palletization-unitization of fresh fruits and vegetables. Stokes, D R *Int Conf Handling Perish Agric Commod* 27th: 134-144. 1975

033401 HD9000.1.I53
Plastic container board containers for fresh vegetables [Packaging]. Jonson, G *Int Conf Handling Perish Agric Commod* 26th: 94-96. 1974

033402 HD9000.1.I53
Postharvest requirements of lettuce to control physiological disorders. Morris, L L; Klaustermeyer, J A; Kader, A A *Int Conf Handling Perish Agric Commod* 26th: 22-29. 1974

033403 HD9000.1.I53
Reference list: postharvest handling and physiology of lettuce. Kader, A A; Morris, L L; Klaustermeyer, J A *Int Conf Handling Perish Agric Commod* 26th: 109-124. Ref. 1974

033404 HD9000.1.I53
Refrigeration equipment [in fruit and vegetable delivery]: how it works, what it does. Fink, J K *Int Conf Handling Perish Agric Commod* 27th: 96-102. 1975

033405 HD9000.1.I53
The fundamentals related to beef transport [Carcass chilling]. Robertson, E J *Int Conf Handling Perish Agric Commod* 27th: 66-81. 1975

033406 HD9000.1.I53
Unitized handling of western Iceberg lettuce. Hinds, R H Jr; Hinsch, R T *Int Conf Handling Perish Agric Commod* 27th: 130-133. 1975

033407 HD9000.1.I53
[Mechanical] harvesting and handling of crisphead lettuce. Adrian, P A *Int Conf Handling Perish Agric Commod* 27th: 33-34. 1975

033408 16 IT1
[Negative] changes in stored pomaceous fruit [Storage diseases, apples, pears]. (Ita) Gorini, F; Mori, P *Ital Agric* 112 (10): 83-108. (Continued) Oct 1975

033409 385 AG8
Taste substances in foods. V. Organic acids in vegetables [Asparagus, Aralia elata, Pteridium aquilinum, Osmundastrum cinnamomeum]. (Jpn) Nakamura, H; Watanabe, K; Mizutani, J *J Agric Chem Soc Jap* 49 (12): 665-666. Ref. Eng. Sum. Dec 1975

033410 381 J8223
A new hydrolysis procedure for preparation of orange juice for trace element analysis by atomic absorption spectrometry. McHard, J A; Winefordner, J D; Attaway, J A *J Agric Food Chem* 24 (1): 41-45. Ref. Jan/Feb 1976

033411 381 J8223
Bitterness prevention in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. Brewster, L C; Hasegawa, S; Maier, V P *J Agric Food Chem* 24 (1): 21-24. Jan/Feb 1976

033412 381 J8223
Distribution of protein within sweetpotato roots (Ipomea batatas L.). Purcell, A E; Walter, W M Jr; Giesbrecht, F G *J Agric Food Chem* 24 (1): 64-66. Jan/Feb 1976

033413 381 J8223
Identification of salsolinol as a major dopamine metabolite in the banana. Riggin, R M; McCarthy, M J; Kissinger, P T *J Agric Food Chem* 24 (1): 189-191. Ref. Jan/Feb 1976

033414 381 J8223
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. Hasegawa, S *J Agric Food Chem* 24 (1): 24-26. Ref. Jan/Feb 1976

033415 381 J8223
Peroxidase activity in Golden Delicious apples as a possible parameter of ripening and senescence [in storage]. Gorin, N; Heidema, F T *J Agric Food Chem* 24 (1): 200-201. Ref. Jan/Feb 1976

033416 381 J8223
The polyphenol of Dioscorea alata (yam) tubers associated with oxidative browning. Martin, F W; Ruberte, R *J Agric Food Chem* 24 (1): 67-70. Jan/Feb 1976

033417 8 P832J
Flours made from edible yams (Dioscorea spp.) as a substitute for wheat flour. Martin, F W; Ruberte, R *J Agric Univ P R* 59 (4): 255-263. Ref. Oct 1975

033418 8 P832J
Studies of the freezing of green plantains (Musca paradisiaca). IV. Effect of cold storage on the quality of frozen sliced green plantains. Nieva, F S; Hernandez, I; Bueso, C E *J Agric Univ P R* 59 (4): 239-244. Oct 1975

033419 307.8 J82
Characteristics of pistachio kernel oils from Iranian cultivars. Kamangar, T; Farrohi, F; Mehran, M *J Am Oil Chem Soc* 52 (12): 512-513. Ref. Dec 1975

033420 307.8 J82
Characteristics of pumpkin seed oil. Markovic, V V; Bastic, L V *J Am Oil Chem Soc* 53 (1): 42-44. Ref. Jan 1976

033421 307.8 J82
Contribution of lipid to aroma of ripening mango (Mangiferaindica L.). Gholap, A S; Bandyopadhyay, C *J Am Oil Chem Soc* 52 (12): 514-516. Ref. Dec 1975

033422 307.8 J82
Fatty acid composition of oleaster [Elaeagnus angustifolia]pulp and pit oils. Farrohi, F; Mehran, M *J Am Oil Chem Soc* 52 (12): 526-527. Dec 1975

033423 307.8 J82
Oil characteristics of sweet and sour cherry kernels. Farrohi, F; Mehran, M *J Am Oil Chem Soc* 52 (12): 520-521. Ref. Dec 1975

033424 QC1.H5
Kinetic studies on the hydrolysis of p-nitrophenyl-beta-D-glucoside catalyzed by beta-glucosidase from sweet almond by means of the stopped-flow method. Takahashi, K *J Sci Hir Univ, Ser A II Phys Chem* 39 (2): 237-247. Ref. Aug 1975

033425 QC1.H5
Separatian of the components of beta-glucosidase from sweet almond of the gel filtation. Takahashi, K *J Sci Hir Univ, Ser A II Phys Chem* 39 (2): 229-235. Aug 1975

033426 TP156.R45J6
Viscosity characterization of unmodified cassava starch paste. Odigboh, E U; Mohsenin, N N *J Texture Stud* 6 (3): 363-377. Ref. Sept 1975

033427 80 K122
Cold water soaking process for the storage of chestnuts. (Jpn) Matsumoto, K *Kajitsu Nippon* 30 (2): 54-57. Feb 1975

033428 75.8 K145
Report of tasks and future goals of the [West German] Federal Union of the Potato Processing Industry. (Ger) Engel, W *Kartoffelbau* 26 (9): 249-252. Sept 1975

105.2 OR3
The influence of storage conditions on disease in potatoes. (Dut) Miejers, C P *Landbouwkd Tijdschr* 87 (2): 44-51. Ref. Feb 1975

033429 58.8 L2352
Control of conditions used in potato storage. (Dut) Rastovski, I A *Landbouwmechanisatie* 26 (9): 1015-1024. Eng. Sum. Sept 1975

033430 105.9 K696
Analyses of authentic fruit juices of the 1974 vintage. (Ger) Kain, W; Roth, I *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 209-210. Eng. Sum. 1975

033431 105.9 K696
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. (Ger) Reinhard, C *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 205-208. Ref. Eng. Sum. 1975

033432 105.9 K696
Storage experiments with strawberries of the variety Red Gauntlet. (Ger) Schmid, P *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 211-220. Eng. Sum. 1975

033433 105.9 K696
On the analytical evaluation of Austrian wines of the 1974 vintage. (Ger) Kain, W *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 285-292. Eng. Sum. July 1975

033434 105.9 K696
Storage properties of sweet cherries in dependance of the cooling period. (Ger) Hackel, H; Schmid, P *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 301-312. July 1975

033435 105.9 K696
5-nitrofuryl acrylic acid, a new conserving agent in vinification. (Ger) Farkas, J *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 279-284. Eng. Sum. July 1975

033436 23 N48J
Controlled-atmosphere storage of apples. McDonald, B; Leyland, B *N Z J Agric* 131 (6): 39-42. Dec 1975

033437 80 N81
Drying flowers. (Nor) Aas, K *Nor Hagetid* 91 (12): 386-388. Dec 1975

464.8 P56
Induction of outgrowth formation on storage roots of sweetpotato due to plant pathogenic bacteria. Goto, M; Makino, T *Phytopathology* 66 (1): 28-33. Jan 1976

033438 385 P93
Effect of products of thermophilous methane fermentation on the fermentation of fruit must by the yeast Saccharomyces vini. (Rus) Mikhlin, E D; Kotomina, E N; Pisarnitskii, A F *Prikl Biokhim Mikrobiol* 11 (6): 862-868. Eng. Sum. Nov/Dec 1975

033439 385 P93
Free amino acids of enzymically brightened [fruit] juices. (Rus) Davidiuk, L P; Nilov, G I; Baranova, S V; Vinogradov, B A *Prikl Biokhim Mikrobiol* 11 (5): 769-772. Eng. Sum. Sept/Oct 1975

033440 385 P93
Sesquiterpene hydrocarbon farnesene and its relation to the apple surface browning, scald [during storage]. (Rus) Sal'kova, E G; Morozova, N P; Uturashvili, E A; Metlitskii, L V *Prikl Biokhim Mikrobiol* 11 (6): 888-895. Ref. Eng. Sum. Nov/Dec 1975

033441 385 P93
Study of aroma forming substances in wine yeast. (Rus) Egorov, I A; Rodopulo, A K; Egofarova, R Kh *Prikl Biokhim Mikrobiol* 11 (5): 697-703. Eng. Sum. Sept/Oct 1975

033442 385 P93
Variations in the polyol content during fermentation of apple juices and wines. (Rus) Vecher, A S; Vasil'kevich, S I; IUrchenko, L A; Romanovets, E S *Prikl Biokhim Mikrobiol* 11 (5): 798-802. Ref. Eng. Sum. Sept/Oct 1975

033443 14 P94
Determination of an assemblage by linear programming [Wine manufacture]. (Fre) Salgues, M *Prog Agric Vitic* 92 (23): 723-730. (Concluded) Nov 15, 1975

033444 SB23.C6A3
Annotated bibliography on low pressure (hypobaric) storage, 1968-1973 [Fruits]. *Query File Commonw Bur Hortic Plant Crops* 11/75, 2 P. Mar 1975

033445 SB23.C6A3
Annotated bibliography on the use of light (UV [ultraviolet], visible and IR [infrared]) in assessing the quality, maturity or defects in fruit and vegetables, 1967-1974. *Query File Commonw Bur Hortic Plant Crops* 15/75, 2 P. Apr 1975

033446 385 R18
The difference in lipid composition between Tuber magnatum PIco and tube melanosporum Vitt [Truffles]. (Ita) Vietti-Michelina, M; Rossi, P F *Rass Chim* 27 (5): 231-233. Ref. Eng. Sum. Sept/Oct 1975

033447 385 R18
The jujube oil [Composition]. (Ita) Leoci, B *Rass Chim* 27 (5): 242-244. Ref. Sept/Oct 1975

033448 100 OH3R
Mass sorting of mechanically harvested tomatoes. Gould, W A; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 209, 15 P. Dec 1975

033449 448.8 R32
Controlled fermentation of cucumbers with pure bacterial strains [Pickling]. (Spa) Leon, R de; Cabrera, S S de; Rolz, C *Rev Latinoam Microbiol* 17 (1): 33-37. Jan/Mar 1975

033450 TP546.A1R43
Chateaux and classified Bordeaux crus [Wines]. Brejoux, P *Rev Vin Fr, Engl Lang Ed* 49 (255): 11-13. Nov/Dec 1975

033451 TP546.A1R43
Comparative study of the 1962 and 1964 vintages. *Rev Vin Fr, Engl Lang Ed* 49 (255): 15-18. Nov/Dec 1975

033452 TP546.A1R43
Exploring our vineyards. Saint-Joseph [Wines]. *Rev Vin Fr, Engl Lang Ed* 49 (255): 32. Map. (Continued) Nov/Dec 1975

033453 TP546.A1R43
The appellation d'origine controlee, Bandol [Wines]. *Rev Vin Fr, Engl Lang Ed* 49 (255): 19, 30. Nov/Dec 1975

033454 307.8 OL3
On the composition of olive oil from Israel. (Ita) Paganuzzi, V *Riv Ital Sost Grasse* 52 (9): 302-310. Ref. Eng. Sum. Sept 1975

033455 307.8 OL3
The present validity of the pancreatic lipase method for husk oil protection [Olive oil cake, composition, adulteration]. (Ita) Leone, A M; La Notte, E; Lamparelli, F *Riv Ital Sost Grasse* 52 (9): 287-290. Eng. Sum. Sept 1975

86 R22
Agronomic investigations on cultivars of table broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on deep-freezing of their beans. (Ita) Sciortino, A *Riv Ortoflorofruttic Ital* 59 (3): 184-197. Eng. Sum. May/June 1975

86 R22
Effects of harvesting methods on the quality of the canned peaches [Damage, keeping quality]. (Ita) Bazzocchi, R; Marangoni, B; Zocca, A *Riv Ortoflorofruttic Ital* 59 (3): 204-209. Eng. Sum. May/June 1975

033456 80 SA15
Change in amount of cyanides in wines relative to treatment with potassium ferrocyanide. (Rus) Ratushnyi, G D; Makarov, A S; Ogai, A V *Sadovod Vinograd Vinodel Mold* 7: 35-36. July 1975

033457 80 SA15
Determination of total nitrogen in wine [raw] materials by the volumetric method. (Rus) Pavlenko, N M; Liubarevich, T A *Sadovod Vinograd Vinodel Mold* 7: 33-35. July 1975

033458 80 SA15
Effect of grape harvesting and sorting methods on keeping quality. (Rus) Zel'tser, V IA; Zhuchenko, E V; Valutsa, A D *Sadovod Vinograd Vinodel Mold* 7: 49-50. July 1975

033459 80 SA15
Grape variety, wine quality and production efficiency. (Rus) Romanov, I I; Talda, N E; Kramarchuk, F M *Sadovod Vinograd Vinodel Mold* 7: 44-46. July 1975

033460 80 SA15
Processing apples for wine material by means of extraction. (Rus) Gitenshtein, B M; Shterk, P M; Pecherskii, M A; Shimanovich, B I; Ivanov, A P; Ropot, V P *Sadovod Vinograd Vinodel Mold* 7: 32-33. July 1975

033461 80 SA15
Stabilization of wine materials with insoluble polyvinyl pyrrolidone. (Rus) Shpritsman, E M; Shcherbanovskaia, F R; Tereshchenko, G P; Pasternak, T A *Sadovod Vinograd Vinodel Mold* 8: 25-28. Aug 1975

033462 80 SA15
Technologica supply of water-soluble polysaccharides of grapes. (Rus) Zinchenko, V I; Alekseichuk, V D *Sadovod Vinograd Vinodel Mold* 8: 29-32. Aug 1975

033463 80 SA15
The winemaking industry of Bulgaria. (Rus) Getov, G V *Sadovod Vinograd Vinodel Mold* 7: 56-59. July 1975

033464 80 SA15
Wine of the Khindogny and Saperavi varieties in the Kuban Territory. (Rus) Kozenko, E M; Chausov, V M; Tiutiunnik, L G; TSipliaeva, O N *Sadovod Vinograd Vinodel Mold* 7: 50-52. July 1975

033465 80 SCH9
Acid proportions in the 1975 grape musts [East Switzerland]. (Ger) Tanner, H *Schweiz Z Obst Weinbau* 111 (22): 584-586. Oct 18, 1975

033466 80 SCH9
Wine making by mash heating; long-term warming as an alternative to high heat for a short time. (Ger) Schobinger, U; Schneider, R; Durr, P *Schweiz Z Obst Weinbau* 111 (20): 503-514. Sept 20, 1975

033467 80 SCH9
Wine year and vintage report of eastern Switzerland for 1975. (Ger) Peyer, E *Schweiz Z Obst Weinbau* 111 (25): 648-653. Nov 29, 1975

033468 HD1415.I5
Cassava storage; post-harvest deterioration and storage of fresh cassava roots. Booth, R H *Ser EE Cent Int Agric Trop* 16, 18 P. Ref. Sept 1975

033469 9.3 SI4
Pectic enzymes in wine. (Spa) Bustos Herrera, O *Simiente* 45 (2): 19-20. Apr/June 1975

033470 410 T272
Chemistry of wine. (Hun) Ferenczi, S *Termeszet Vilaga* 11: 493-497. Nov 1975

033471 26 T754
Reduction of wastage during post-harvest handling of bananas in the Sudan. Silvis, H; Thompson, A K; Salih, O M; Abdulla, Y M *Trop Agric (Guilford)* 53 (1): 89-94. Ref. Jan 1976

033472 95.8 V77
About certain problems of wine making [in the USSR]. (Rus) Azarashvili, P B *Vinodel Vinograd SSSR* 6: 11-15. 1975

033473 95.8 V77
Certain problems of measuring electrical conductivity of wines. (Rus) Selivanov, V I *Vinodel Vinograd SSSR* 6: 47-49. 1975

033474 95.8 V77
The change of protein substances and the activity of certain enzymes of wine in the process of continuous champagnization. (Rus) Kishkovskii, Z N; Sakharova, T A; Kossobudskaia, N S; Odokienko, L G; Brusilovskii, S A; Zhuravleva, L G *Vinodel Vinograd SSSR* 6: 19-21. 1975

033475 95.8 V77
The dependence of the fermentation rate from the concentration in the medium of the fermented sugars. (Rus) Bur'ian, N I; Razuvaev, V S; Kozlovskii, IU V *Vinodel Vinograd SSSR* 6: 17-18. 1975

033476 95.8 V77
The determination of the utmost permissable densities of electric current in wines when using conductometric transducers. (Rus) Danilevskii, A S; Chernenko, L A; Tiurin, S T *Vinodel Vinograd SSSR* 6: 45-47. 1975

033477 95.8 V77
The effect of hydrogen-ion and tartaric acid concentrations on the yield and quality of the lime tartrate [Wine production]. (Rus) Merzhanian, A A; Parfent'eva, T L; Fal'kovich, IU E; Avanes'iants, R V *Vinodel Vinograd SSSR* 6: 23-26. 1975

033478 95.8 V77
The establishment of standards for a set extract is an important way of controlling the quality of fruit wines. (Rus) Dashkevich, T N *Vinodel Vinograd SSSR* 6: 21-23. 1975

033479 95.8 V77
The experience of using the heterogenous enzymatic catalysis in wine and juice production. (Rus) Datunashvili, E N; Pavlenko, N M; Gaina, B S; Petrachenok, V I *Vinodel Vinograd SSSR* 6: 54-56. 1975

033480 95.8 V77
The increase of the yield of juice from apples is the major task of [processing] enterprises. (Rus) Kopylova, A K; Shashilova, V P; Nagaichuk, E A *Vinodel Vinograd SSSR* 6: 5-7. 1975

033481 95.8 V77
The increase of the stability of the Soviet champagne. (Rus) Drboglav, E S; Borisova, A G; Guliaeva, V S; Kalacheva, E N; Fed', I I *Vinodel Vinograd SSSR* 6: 15-16. 1975

033482 95.8 V77
The preparation of blendings of fortified wine materials in tanks with the holding capacity of 500,000 decaliters. (Rus) TSimbal, M A; Akopian, V A; Svidovskii, IU M; Babaev, S E *Vinodel Vinograd SSSR* 6: 44-45. 1975

033483 389.8 V89
On the benzpyrene content in dried fruits treated in a Soviet-made tunnel drying oven. (Rus) Ruchkovskii, B S; Tiktin, L A; Paliura, A N *Vopr Pitan* 4: 78-79. July/Aug 1975

033484 384 Z39
Flavonols and flavones of vegetables. V. Flavonols and flavones of root vegetables. (Ger) Eloesser, W; Herrmann, K *Z Lebensm Unters Forsch* 159 (5): 265-270. Ref. Eng. Sum. 1975

033485 384 Z39
On phenolic acids of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of Brassica-Species and leaves of other Cruciferae. (Ger) Schmidtlein, H; Herrmann, K *Z Lebensm Unters Forsch* 159 (3): 139-148. Ref. Eng. Sum. 1975

033486 384 Z39
On the occurrence of derivatives of hydroxycinnamic acids, hydroxybenzoic acids, and hydroxycounmarins in citrus fruits. (Ger) Stohr, H; Herrmann, k *Z Lebensm Unters Forsch* 159 (5): 305-306. Eng. Sum. 1975

033487 384 Z39
On the phenolic acids of vegetables. IV. Hydroxycinnamic acids and hydroxybenzoic acids of vegetables and potatoes. (Ger) Schmidtlein, H; Herrmann, K *Z Lebensm Unters Forsch* 159 (5): 255-263. Ref. Eng. Sum. 1975

033488 384 Z39
On the phenolic acids of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of fruit and seed vegetables. (Ger) Schmidtlein, H; Herrmann, K *Z Lebensm Unters Forsch* 159 (4): 213-218. Ref. Eng. Sum. 1975

033489 384 Z39
On the phenolic acids of vegetables. III. Hydroxycinnamic acids and hydroxybenzoic acids of root vegetables. (Ger) Stohr, H; Herrmann, K *Z Lebensm Unters Forsch* 159 (4): 219-224. Ref. Eng. Sum. 1975

033490 14 P94
Study of the work of red wine vats: "self-emptying" vats and vats with improved manual emptying. (Fre) Jacquet, P; Moltke, N *12Mandsbladet* 92 (21): 655-660. (Continued) Oct 31, 1975

FEED PRODUCTS

033491 14 P215BC
Concerning silage. (Fre) Baratte, J *Acad Agric Fr C R Seances* 61 (9): 471-472. 1975

033492 58.8 D482
Analysis of the status of development of partial processes based on model calculations, illustrated by the production of wilted plants [Feed processing]. (Ger) Baganz, K; Neuschulz, A *Agrartechnik* 25 (11): 556-557. Nov 1975

033493 58.8 D482
Improved quality of wilted silage using a swath fan. (Ger) Knaack, H *Agrartechnik* 25 (11): 541-542. Nov 1975

033494 58.8 D482
Particle sizes of fluid feeds. (Ger) Krella, P *Agrartechnik* 25 (10): 505-507. Oct 1975

033495 101 AL1A
Big packaged haying systems. Harrison, P *Agric Bull Univ Alberta* 28: 2-5. Fall 1975

033496 10 AG89
Spanish growers turn to feed grains. Ford, C *Agric Merch* 55 (12): 31, 38. Dec 1975

033497 256.13 AG82M
Fodder requirements this winter. Dunlop, M R J *Agric North Irel* 50 (7): 182-184. Nov 1975

033498 15 AG84
Cereals as feed [Composition, consumption]. (Spa) Martin Vargas, V *Agricultura (Madr)* 44 (519): 525-526. July 1975

033499 49 C43
Fermented feed production from rice straw. (Jpn) Saito, T *Anim Husb* 29 (6): 745-750. June 1975

033500 49 C43
Silage research in European countries. 3. [Grassland research institutes, Great Britain, Netherlands, West Germany, France]. (Jpn) Ohyama, Y *Anim Husb* 29 (7): 939-943. Maps. July 1975

033501 QH345.A1P73
Determination of tryptophan in feeds by different methods. Skorkin, G K; Ryadchikov, V G *Appl Biochem Microbiol* 9 (2): 251-253. Mar/Apr 1973 (Pub. 1975)

033502 QH345.A1P73
Influence of substrate n-alkane composition on lipid biosynthesis by the yeast Candida guilliermondii [Animal feed, industrial fats]. Alent'eva, E S; Garbalinskii, V A; Korobova, L G; Sokolov, YU I *Appl Biochem Microbiol* 10 (2): 158-160. Mar/Apr 1974 Transl. 1975

033503 448.3 AP5
High-temperature production of protein-enriched feed from cassava by fungi. Reade, A E; Gregory, K F *Appl Microbiol* 30 (6): 897-904. Ref. Dec 1975

033504 18 G31A
The production of aggregates from roughage and concentrates. (Ger) Orth, H W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 314-333. Ref. Eng. Sum. 1975

033505 66.8 B392
Beet top utilization [as animal feed]. Britton, J *Biatas, The Tillage Farmer* 29 (9): 314-315. Dec 1975

033506 381 J8224
Comparison of batch and semicontinuous cultures for production of protein from mesquite [Prosopis] wood by Brevibacterium sp. JM98A [Feed]. Fu, T T; Thayer, D W *Biotechnol Bioeng* 17 (12): 1749-1760. Ref. Dec 1975

033507 381 J8224
The yields of extracted protein and of residual fiber from potato haulm taken as a by-product [Feed]. Carruthers, I B; Pirie, N W *Biotechnol Bioeng* 17 (12): 1775-1782. Ref. Dec 1975

033508 58.9 F843B
Alfalfa silages in butyl hermetic cells lost by flow of juice and gas emission. (Fre) Le Du, J *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 31-36. Nov 1975

41.8 C162
Mycotoxin determinations on animal feedstuffs and tissues in Western Canada. Prior, M G *Can J Comp Med* 40 (1): 75-79. Ref. Jan 1976

033509 65.8 C89
Experiments for producing fodder from vegetable waste in Cuba. (Hun) Vaillant Callol, M; Nagy, Gy *Cukoripar* 28 (5): 185-187. Eng. Sum. Sept/Oct 1975

033510 41.8 EC7
The [French] National Institute of Agronomic Research at the service of the animal feed industries. (Fre) Delort-Laval, J *Econ Med Anim* 16 (3): 121-131. May/June 1975

033511 41.8 EC7
Uralpa, a new form of urea for animal feeding. (Fre) Peteri, R *Econ Med Anim* 16 (3): 133-148. Ref. May/June 1975

033512 SH335.F5
A survey on the quality of Indian fish meal of commerce. Mathen, C; Thomas, F; Mathew, A; Joseph, A C *Fish Technol* 12 (1): 16-20. Jan 1975

033513 S251.F6
Moisture conservation in feed grain. (Swe) Akesson, K A *Forsk Prakt* 7, 7 P. 1975

033514 298.8 M292
Spoilage in feed quality caused by fungi. (Hun) Szigeti, G *Gabonaipar* 22 (6): 215-218. Ref. 1975

033515 26 H27
Recirculation of refuse as cattle feed. (Heb) Volcani, R *Hassadeh* 56 (2): 242. Nov 1975

033516 SF95.C63 1974
Aflatoxin in feedingstuffs, its incidence, significance and control. Jones, B D *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 273-290. Ref. 1974 (Pub. 1975)

033517 SF95.C63 1974
Cassava as a total substitute for cereals in livestock and poultry rations. Muller, Z; Chou, K C; Nah, K C *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 85-95. Ref. 1974 (Pub. 1975)

033518 SF95.C63 1974
Concentrate feeds for livestock in Trinidad and Tobago: an economic view of developments since 1960. Cropper, J *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 299-306. 1974 (Pub. 1975)

033519 SF95.C63 1974
Current trends in international feed standards. Bindloss, A A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 221-225. 1974 (Pub. 1975)

033520 SF95.C63 1974
Endogenous toxic factors in oil seed residues. Liener, I E *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 179-188. Ref. 1974 (Pub. 1975)

033521 SF95.C63 1974
Experience of animal feed production in Barbados and the eastern Caribbean. Gooding, E G B; Sargeant, V A L *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 311-316. Ref. 1974 (Pub. 1975)

033522 SF95.C63 1974
Factors limiting the production of animal products in the tropics, with particular reference to animal feeds. Payne, W J A; Smith, A J *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 23-32. Maps. Ref. 1974 (Pub. 1975)

033523 SF95.C63 1974
International feed nomenclature. Harris, L E; Haendler, H; McDowell, L R *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 229-239. Ref. 1974 (Pub. 1975)

033524 SF95.C63 1974
Lesser known oil seeds: a note on their nutritive value as determined by in vitro digestion [Concentrated protein feeds]. Oke, O L; Umoh, I B *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 261-262. 1974 (Pub. 1975)

033525 SF95.C63 1974
Nutritional composition of Latin American feeds. McDowell, L R; Conrad, J H; Thomas, E; Harris, L E *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 253-254. 1974 (Pub. 1975)

033526 SF95.C63 1974
Nutritive value of oilseed cakes and meals. Roberts, R *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 171-177. Ref. 1974 (Pub. 1975)

SF95.C63 1974
Pest control and storage problems in feed commodities in tropical and subtropical countries. Ashman, F *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 267-272. Ref. 1974 (Pub. 1975)

033527 SF95.C63 1974
Some problems of manufacturing and marketing compounded feeds in developing countries. Wood, J A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 307-310. 1974 (Pub. 1975)

033528 SF95.C63 1974
The basis for feed quality assessment. Carpenter, K J *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 213-220. Ref. 1974 (Pub. 1975)

033529 SF95.C63 1974
The potential of single cell protein for animal feed. Tolan, A; Hearne, J F *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 59-64. Ref. 1974 (Pub. 1975)

033530 SF95.C63 1974
The production, marketing and utilisation of oilseed cakes and meals in Turkey. Gogus, A K *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 191-195. 1974 (Pub. 1975)

033531 SF95.C63 1974
The standardisation and control of quality of animal feeds. Bhagwan, H *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 241-251. 1974 (Pub. 1975)

033532 SF95.C63 1974
The supply and utilisation of oilseed cakes in the Sudan. Mukhtar, A M S *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 197-200. 1974 (Pub. 1975)

033533 SF95.C63 1974
Trial of the elimination of aflatoxin in groundnuts by physical methods [Feed decontamination]. Bockelee-Morvan, A; Gillier, P *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 291-293. 1974 (Pub. 1975)

033534 SF95.C63 1974
World production and utilization of fishmeal and factors affecting quality and marketability [Animal feeds]. (Spa) Bellido, A D *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 55-58. Eng. Sum. 1974 (Pub. 1975)

033535 SF95.W3 1975
Cell protein as animal feed from thermophilic digestion of swine wastes. Bragg, D B; Coulthard, T L; Kitts, W D; Saben, H S *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 126-135. 1975

033536 SF95.W3 1975
Cellulosic wastes—feed or fibre. Elgee, H *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 67-85. 1975

033537 SF95.W3 1975
Commercial feed drying systems for processing & utilizing waste as feed. Bergdoll, J *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 155-182. 1975

033538 SF95.W3 1975
Economic feasibility of waste as animal feed. Pequegnat, C *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 26-45. 1975

033539 SF95.W3 1975
Forest products as commercial feed. Stone, J *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 194-205. 1975

033540 SF95.W3 1975
Processing poultry industry wastes as feed: the European experience. Blair, R *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 86-119. Ref. 1975

033541 SF95.W3 1975
Regulating animal waste feeds. Jefferson, C H *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 219-227. 1975

SF95.W3 1975
Single cell protein—food or feed. Wayman, M; Obiaga, T I *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 54-66. 1975

033542 SF95.W3 1975
The feeders priorities [Waste utilization as feed]. Wilfley, J A *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 233-235. 1975

033543 SF95.W3 1975
The potential of crop residues as commercial animal feed. Mowat, D N *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 136-141. 1975

033544 SF95.W3 1975
Waste utilization as animal feed in the U.S. Smith, L W *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 185-193. Ref. 1975

033545 389.78 IN2
Biochemical and nutritional evaluation of various treatments of cereals [Feeds]. (Fre) Delort-Laval, J; Borgida, L P *Ind Aliment Anim* 10: 33-34, 37, 39, 41, 43, 45. 1975

033546 389.78 IN2
Feed cakes and proteins in 1974. (Fre) Robert, C *Ind Aliment Anim* 10: 11-13, 15-16, 19, 21-23, 25-29. 1975

033547 20 M57AG
Technical problems of manufacturing feed protein. (Ger) Dawydow, A *Int Z Landwirtsch* 5: 596. 1975

033548 20 M57AG
The economic advantage of pelletization of mixed feed in Mongolia. (Ger) Schagdarsuren, S *Int Z Landwirtsch* 6: 678-679. 1975

16 IT1
Proteins: new sources and new formulations [Research projects, Italy]. (Ita) Treccani, V; Alfieri, D *Ital Agric* 112 (5): 47-49. May 1975

033549 381 J8223
Characterization of proteins and allergens in germinating castor seeds by immunochemical techniques [to study its potential toxicity as feed]. Daussant, J; Ory, R L; Layton, L L *J Agric Food Chem* 24 (1): 103-107. Ref. Jan/Feb 1976

381 J8223
Metabolism of zearalenone by Fusarium roseum graminearum [Food, feed, contamination]. Steele, J A; Mirocha, C J; Pathre, S V *J Agric Food Chem* 24 (1): 89-97. Ref. Jan/-Feb 1976

033550 381 J8223
Monoacetoxyscirpenol, a new mycotoxin produced by Fusarium roseum Gibbosum [Feed, contamination, toxicity, cattle]. Mirocha, C J; Christensen, C M; Behrens, J *J Agric Food Chem* 24 (1): 97-103. Ref. Jan/-Feb 1976

381 J8223
Toxicity to white mice of corn naturally contaminated with aflatoxin. Lindenfelser, L A; Lillehoj, E B; Sansing, G A *J Agric Food Chem* 24 (1): 198-200. Ref. Jan/Feb 1976

381 J8223
Use of water slurries in aflatoxin analysis [Food, feed, contamination]. Velasco, J; Morris, S L *J Agric Food Chem* 24 (1): 86-88. Jan/Feb 1976

033551 307.8 J82
Crambe [abyssinica] seed processing: removal of glycosinolates by water extraction [Crambe meal preparation]. Mustakas, G C; Kirk, L D; Griffin, E L Jr *J Am Oil Chem Soc* 53 (1): 12-16. Ref. Jan 1976

033552 49 J82
Influence of a preservative on bermudagrass hay stored with approximately 16 and 24 percent moisture content. Johnson, J C Jr; McCormick, W C *J Anim Sci* 42 (1): 175-179. Jan 1976

033553 448.39 SO12
The significance of Propionibacterium species and Micrococcus lactilyticus to the ensiling process [Silage]. Woolford, M K *J Appl Bacteriol* 39 (3): 301-306. Ref. Dec 1975

033554 HD1491.G3K6
Treatment of moist straw under the management of the BrunauAgrochemical Center [East Germany]. (Ger) Hehle, W *Kooperation* 9 (12): 569-570. Dec 1975

033555 SB193.A1L8
Evaluation of the feed [nutritive] values of root crops. (Rus) Krasochkin, V; Burenin, V *Korma* 3: 25-27. May/June 1975

033556 SB193.A1L8
Grass meal production on a specialized farm. (Rus) Sergazin, S *Korma* 3: 41. May/June 1975

033557 SB193.A1L8
High temperature equipment for drying wilted grasses. (Rus) Nasonov, N *Korma* 3: 39-40. May/June 1975

033558 SB193.A1L8
Increasing the protein nutritive value of [feed] rations. (Rus) Leushin, S *Korma* 2: 23-25. Mar/Apr 1975

SB193.A1L8
Irrigated alfalfa for hay meal [Culture, manufacture]. (Rus) Krylov, L; Asanov, P *Korma* 3: 20-21. May/June 1975

033559 11 L2322
Value of herring-/fish meal [Livestock feed]. (Dan) Christensen, J K *Landbo Nyt* 29 (7): 408-409, 411-414. July 1975

QR1.M56
Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, fungal flora on agricultural commodities, feedstuffs]. Lillehoj, E B; Ciegler, A *Microbiology (Wash. D C)* P. 344-358. Ref. 1975

033560 44.8 M5933
Studies on the Clostridia content of Finnish silage and cow feces [Dairy hygiene]. (Ger) Ali-Yrkko, S; Antila, M *Milchwissenschaft* 30 (12): 753-759. Ref. Eng. Sum. Dec 1975

033561 23 N4892
Evaluation of high-moisture forrages with ruminants. II. Changes in the chemical composition of herbage after freezing and thawing. Bryant, A M; Newth, R P *N Z J Agric Res* 18 (4): 375-378. Nov 1975

033562 389.79 AM34
Collective terms for feed ingredients [Association of American Feed Control Officials]. Thill, H *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 18-27. 1975

033563 389.79 AM34
Histology of animal tissues [in feeds]. Ingling, A L *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 90-92. 1975

033564 389.79 AM34
Indentification of fungi and their effects on animals [Mycotomins, feed]. Bean, G A *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 28-39. 1975

033565 389.79 AM34
Processing animal feeds. Poley, G E; McAllister, W *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 77-89. 1975

033566 389.79 AM34
The role of microscopy in nutritional evaluation of cereals. Sullins, R D; Rooney, L W *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 40-69. Ref. 1975

033567 57.8 P34
Entrance of 90 Sr [strontium isotope] into meadow grasses from different soils of the Nonchernozemic zone [Radioactive contamination]. (Rus) Korneev, N A; Firsakova, S K; Malysheva, M R *Pochvovedenie* 11: 53-59. Nov 1975

20.5 P84
Rape problems at the IV International Congress in Giessen [as source of oil and high-protein feed]. (Pol) Dembinski, F; Rutkowski, A *Postepy Nauk Roln* 22 (2): 99-123. Ref. 1975

033568 SF481.P64
Quality control on feeds: a must. Brahmakshatriya, R D *Poult Guide* 12 (11): 48-50. Nov 1975

033569 S19.P7
Oats and Senji form the best forage mixture. Tiwana, M S; Puri, K P; Bains, D S *Prog Farming* 12 (3): 8. Nov 1975

033570 S543.V5V5
Amino acid and protein evaluation of commercially grown opaque-2 and normal corns. Two year summary. Kornegay, E T; Thomas, H R; Hedges, J D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 193-196. July 1975

033571 S543.V5V5
Evaluation of the amino acid content and the proximate composition of several varieties and grades of peanuts. Kornegay, E T; Thomas, H R; Mozingo, R W; Coffelt, T A; Hedges, J D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 197-201. July 1975

033572 S543.V5V5
Fermentation, utilization and palatability of broiler litter ensiled at different moisture levels. Caswell, L F; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 96-111. July 1975

033573 49 P943
Preparing and using maize grain silage with high humidity rate as fodder for fattening cattle. (Rum) Petrescu, C D; Potcoava, Z; Teodorescu, S. Pop, I; Cojarcaru, M; Marosi, Z *Rev Cresterea Anim* 25 (7): 27-35. July 1975

033574 49 P943
Some aspects of biochemistry in silage fodder. (Rum) Marian, M *Rev Cresterea Anim* 25 (7): 36-43. July 1975

033575 S13.S44
Physiological-biochemical properties of lactic acid bacteria of haylage. (Rus) Fedulina, N N; Chistiakova, L P *S-kh Biol* 10 (3): 429-433. Ref. Eng. Sum. May/June 1975

033576 11 T439
Determination of ensiling losses. (Dan) Pedersen, E J N *Tidsskr Plant* 79 (5): 561-608. Ref. Eng. Sum. 1975

033577 49 T443
Preparation and use of silage mixed with protein. (Ger) Poppe, S; Hackl, W; Schlage, M; Kiehn, H J *Tierzucht* 29 (11): 490-492. Nov 1975

033578 49 T443
Quality evaluation of industrially prepared mixed feeds. (Ger) Lippmann, E *Tierzucht* 29 (11): 492-495. Nov 1975

033579 49 T443
Straw, a fixed component of our feed industry [East Germany]. (Ger) Wetterau, H; Ruhe, H J; Schulze, E *Tierzucht* 29 (11): 485-486. Nov 1975

033580 QD415.A1B58
A possible enzymic assay for trichothecene mycotoxins in animal feedstuffs. Foster, P M D; Slater, T F; Patterson, D S P *Trans Biochem Soc* 3 (6): 875-878. Ref. 1975

033581 410 V42
Hygienic aspects of mink feed [Bacterial contamination]. (Swe) Mejerland, T *Vara Palsd* 46 (7): 163-164, 167. July 15, 1975

033582 410 V42
Poultry waste products as feed for mink. (Swe) Alden, E; Stahle, G *Vara Palsd* 43 (6): 72-73, 75. Mar 15, 1975

033583 410 V42
Soymeal as feed for mink. (Swe) Alden, E; Johansson, A H *Vara Palsd* 43 (6): 75-77. Mar 15, 1975

033584 20 V82
Evaluating feed qualities of rye varieties. (Ukr) Koshelenko, O IU; Vlasenko, V O *Visn Sil's'kohospod Nauki* 11: 53-55. Nov 1975

033585 20 V82
On the problem of thermal treatment of feeds. (Ukr) Panchenko, I D; Saienko, IU O *Visn Sil's'kohospod Nauki* 11: 18-23. Nov 1975

033586 389.79 F98
Economy and saving of concentrates with hot air drying of green feeds. (Ger) Geissler, B *Wirtschseig Futter* 21 (3): 274-279. Eng. Sum. Third Quarter 1975

033587 389.79 F98
Effect of yield and nitrogen fertilization on grass drying in the open. (Ger) Beckhoff, J *Wirtschseig Futter* 21 (3): 240-246. Eng. Sum. Third Quarter 1975

033588 389.79 F98
Investigations on the progress of drying of grasses and varieties of clover under limited time and temperature conditions. (Ger) Hubner, R; Wagner, F *Wirtschseig Futter* 21 (3): 247-263. Ref. Eng. Sum. Third Quarter 1975

1 AG84Y
Golden beans from China now our no. 1 cash crop [Soybeans]. Howell, R W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 225-236. 1975

033589 18 J825
The influence of the degree of polymerisation of water soluble carbohydrates on their loss during hay drying in the field. (Ger) Kuhbauch, W; Zuchner, S *Z Acker Pflanzenbau* 141 (4): 249-255. Eng. Sum. Nov 1975

033590 11 T58
Straw as coarse feed. (Dan) Sonne-Frederiksen, P; Moller, M; Rexen, F P *12Mandsbladet* 47 (9): 407-408. Sept 1975

ANIMAL HUSBANDRY

033591 S544.3.W6W53
Dairy [cattle] herd improvement progress report 1975. Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2367, 19 P. Map. Oct 1975

033592 100 W27A
Animal sciences improve living [Washington State University]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 12. Fall 1975

033593 10 G79LA
A guide to the choice of laying stock [Chickens]. *Advis Leafl G B Minist Agric Fish Food* 597, 6 P. 1975

033594 S16.H8A32
Examination of the resting of cattle under large scale technological conditions. (Hun) Czako, J *Agrar Tud Egy Kozl (Godollo)* P. 465-476. Ref. Eng. Sum. 1974

033595 S16.H8A32
Microclimate examinations in various type laying-sheds. (Hun) Urban, L *Agrar Tud Egy Kozl (Godollo)* P. 163-173. Eng. Sum. 1974

033596 S16.H8A32
Operative experiences on the new battery system of piglet rearing. (Hun) Mikolai, F *Agrar Tud Egy Kozl (Godollo)* P. 63-73. 1974

033597 256.13 AG82M
Bull beef production. Wilkinson, W J *Agric North Irel* 50 (7): 204-206. Nov 1975

033598 256.13 AG82M
Comfortable cow beds [Housing]. Brown, A M *Agric North Irel* 50 (7): 189-191. Nov 1975

033599 256.13 AG82M
Dirty cattle—an embarrassment to the industry. Milliken, J H S *Agric North Irel* 50 (8): 220-221. Dec 1975

033600 22 AG832
Comparative performance of buffaloes and Sahiwal cows as dairy animals. Ishaq, S M; Shah, S K *Agric Pak* 26 (1): 75-88. Ref. Mar 1975

033601 16 AG8226
Cooperation functions at Bernolda di Campagnola: a calf fattening center in Emilia. (Ita) Civinini, S *Agricoltura* 24 (5): 68-72. May 1975

033602 15 AG84
Livestock at the agricultural fair: the goat. (Spa) Tejon Tejon, D *Agricultura (Madr)* 44 (517): 375-376. May 1975

033603 15 AG84
Livestock at the agricultural fair: sheep [Breeds]. (Spa) Sanchez Belda, A *Agricultura (Madr)* 44 (517): 379-381. May 1975

033604 15 AG84
Livestock at the country fair: cattle [Breeds]. (Spa) Alonso Munoz, A *Agricultura (Madr)* 44 (517): 383-385. May 1975

033605 19.5 AG8
The history of sheep raising on the Trencin estates. (Slo) Fojtik, J *Agrikultura* 13: 21-69. Ref. 1975

033606 9 SO1
Techniques permitting increased milk production: round table synthesis, July 1974, of the Argentine Rural Society. (Spa) *An Soc Rural Argent* 109 (5): 22-27. May 1975

033607 49 F84
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. (Fre) Roux, M; Teissier, J H; Journe, H E *Ann Zootech* 24 (3): 571-578. Eng. Sum. 1975

033608 49 AR23
Influence of shifting age on the rearing result of calves in specialized farming. (Ger) Lemme, F *Arch Tierz* 18 (4): 227-238. Ref. Eng. Sum. 1975

033609 100 AR42F
Performance of broilers during brooding at high densities. Harris, G C Jr; Nelson, G S; Musbah, M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 2. Sept/Oct 1975

033610 47.8 B262
The modern housing of rabbits. (Hun) Facsko, M *Baromfitenyesztes* 19 (11): 24-25. Nov 1975

033611 412.629 D23
Danish Fur Breeders Association. Report of activities 1974/1975. (Dan) Dansk pelsdyravlerforening *Ber Dan Pelsdyravlerforen* 32, 32 P. 1975

033612 18 G31A
A comparative analyse of the labour requirements and the costs involved in various dairying procedures. (Ger) Olfe, H C; Walter, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 419-450. Ref. Eng. Sum. 1975

033613 18 G31A
Data processing with a process control computer in experiments related to non-pulsating milking systems. (Ger) Speckmann, H *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 138-145. Eng. Sum. 1975

033614 18 G31A
Evaluation of the results and outlook [Milk production, quality, sanitation]. (Ger) Tolle, A *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 234-238. 1975

18 G31A
Measurements of the influence of certain parameters of teat cup design used in the nonpulsating milking system, and variations in milk yield when alternating between this system and the pulsating system. (Ger) Mejer, G J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 119-137. Eng. Sum. 1975

033615 18 G31A
Points of departure and goals of the research project [Dairy cattle, milk production and processing]. (Ger) Lembke, A; Meinhold, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 7-12. 1975

033616 49 C16
Firm action demanded on [livestock] predator control. Bates, D *Cattlemen* 38 (11): 14-15. Nov 1975

033617 44.8 D1443
Dairying in the distant future. Sillcock, K *Dairyfarm Dig* 22 (3): 22-23. Winter 1975

033618 412.628 D23
Production of fur animals in countries outside Scandinavia. (Dan) Rasmussen, E G *Dan Pelsdyravl* 38 (7): 235-236. July 20, 1975

033619 412.628 N21
Ranch facilities planning. Basic color reasoning. 5. [Chinchilas]. Harris, R S *Empress Chinchilla Breeder* 31 (12): 12-13. Nov 1975

033620 TX341.F3
Calf rearing. Harte, F J *Farm Food Res* 6 (5): 107-109. Sept/Oct 1975

033621 47.8 T432
Weight, feed uptake, and slaughter age in broiler production. (Nor) Raastad, N; Sannan, F *Fjorfe* 92 (5): 142-143. May 1975

033622 19 F75
1975 interim cattle and swine census. (Ger) Poschacher, G *Forderungsdienst* 23 (9): 307. Sept 1975

033623 S19.G74
Dairy research [in India]. Anand, U; Sundaresan, D *Green Revolution* P. 118-120. 1974

033624 S19.G74
Methods of poultry production in a developing area. Mcardle, A A *Green Revolution* P. 129-131. 1974

033625 26 H27
Forcing the shedding of feathers in poultry. (Heb) *Hassadeh* 56 (2): 252, 253. Nov 1975

033626 26 H27
Goat keeping miscellanea. (Heb) Laor, M *Hassadeh* 56 (2): 258. Nov 1975

033627 26 H27
Materials for cleaning and disinfecting milking machines and udders. (Heb) Lev, B *Hassadeh* 56 (2): 243. Nov 1975

033628 26 H27
20 weeks of lay above 80 percent rate [Laying hens]. Bell, D *Hassadeh* 55 (9): 1527-1528. June 1975

033629 44.8 H65
Do cows need more exercise? Kotter, C M *Hoards Dairym* 121 (1): 11, 40. Jan 10, 1976

033630 SF95.C63 1974
Some aspects of animal production in the Philippines. Alim, K A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 33-35. 1974 (Pub. 1975)

033631 SF481.I55
Aspects of poultry extension activities in New Zealand. Thompson, P D *Indian Poult Rev* 7 (1): 55-56. Aug 15, 1975

033632 SF481.I55
Effect of floor and feeding space on the performance of broiler chicks. Mathur, C R; Reddy, C V *Indian Poult Rev* 6 (24): 873. Aug 1, 1975

033633 SF481.I55
Poultry extension—its need and scope [Education]. Upadhyay, S N *Indian Poult Rev* 6 (24): 861-862. Aug 1, 1975

033634 41.8 IN2
Optimum combination of age at 1st calving and 1st lactation production of Hariana cows. Singh, B B *Indian Vet J* 52 (12): 911-914. Dec 1975

033635 20 M57AG
Experiences with rearing beef cattle in Hungary. (Ger) Szabo, A *Int Z Landwirtsch* 5: 542-546. 1975

033636 S544.3.K4K42
Planning dairy calf housing. Duncan, G A; Turner, G M; Nicolai, J H; LaBore, D E; Kentucky University Cooperative Extension Service *Interdep Publ ID Univ Ky Coop Ext Serv* 15, 7 P. Mar 1975

033637 16 IT1
Food of animal origin: increasing the supply [Animal husbandry, research projects, Italy]. (Ita) Montemurro, O *Ital Agric* 112 (5): 26-28. May 1975

033638 10 J822
Some comments on the shape of the gain-stocking rate curve [Grazing, research methods]. Connolly, J *J Agric Sci (Camb)* 86 (1): 103-109. Feb 1976

033639 49 J82
Abstracts of papers to be presented at the annual meeting of the Southern Section, A.s-.a.s. [American Society of Animal Science], February 1 to February 4, 1976, Mobile, Alabama. American Society of Animal Science Southern Section *J Anim Sci* 42 (1): 242-287. Jan 1976

033640 442.8 J8222
In-vitro fertilization of hamster eggs in different media and the stimulating effect of heterologous and homologous spermatozoa. Hanada, A; Chang, M C *J Reprod Fertil* 46 (1): 105-114. Ref. Jan 1976

033641 11 L2322
Cattle housing: insulated—not insulated. (Dan) Mortensen, B *Landbo Nyt* 29 (7): 416, 418, 420, 422, 424, 426. July 1975

11 L2322
Commercial swine production in the Soviet Union. (Dan) Holmgaard, P; Radum, A *Landbo Nyt* 29 (10): 572-573, 575, 577, 579-580. Oct 1975

033642 11 L2322
Optimal production time for egg laying chickens—how long to retain the hens? (Dan) Qvist, F *Landbo Nyt* 29 (8): 437-441, 443. Aug 1975

033643 11 L2322
Small calves—What's new! Can calf mortality be lowered? [Husbandry]. (Dan) *Landbo Nyt* 29 (7): 377-379, 381, 383-384. July 1975

033644 11 L2322
Status of swine breeding at livestock shows, 1975. (Dan) Rasmussen, G *Landbo Nyt* 29 (9): 506-519. (9 P. Not Consecutive) Sept 1975

033645 11 L2322
Sties for baby pigs [Housing]. (Dan) *Landbo Nyt* 29 (9): 533, 535-536, 538. Sept 1975

033646 105.2 OR3
The influence of stall size on production and behavior of beef calves. (Dut) Jongebreur, A A; Zwakenberg, A *Landbouwkd Tijdschr* 87 (2): 52-57. Feb 1975

033647 18 N39
Practice of barn disinfection in cattle rearing. (Ger) Reuss, U *Mitt DLG (Dtsch Landwirtsch Ges). Ausg A* 90 (23): 1267. Dec 4, 1975

033648 44.8 M735
Development, state and developmental tendencies of dairy cattle husbandry. (Ger) Steinhauser, H *Molk-Ztg Welt Milch* 29 (48): 1365-1366. Nov 28, 1975

033649 41.8 M742
Statistical approach to evaluating and securing methods and results in the context of hygiene and microbiology [Animal production]. (Ger) Pioch, G; Motz, R; Krannich, K *Monatsh Veterinarmed* 30 (18): 681-684. Ref. Eng. Sum. Sept 15, 1975

033650 41.8 M742
Tie-up keeping of nursng sows on composite solid and gratingg flooring. (Ger) Johne, H; Stahl, U *Monatsh Veterinarmed* 30 (15): 565-568. Eng. Sum. Aug 1, 1975

033651 SF233.A8N4
Milking systems for the future. Fell, L *N S W Dairyman* 31: 14-16. July 1975

033652 S17.N4
A new look at livestock and sheep research. Terrill, C E *N Z Agric Sci* 9 (1): 6-14. Feb 1975

033653 41.8 N483
An intensive calf-rearing unit. Anderson, D C *N Z Vet J* 23 (12): 287-294. Dec 1975

033654 45.8 N21N
Sheep losses to predators in 15 states. *Natl Wool Grow* 65 (12): 14-15. Dec 1975

033655 412.628 N812
Development of the pelt industry in the Soviet Union [Fur-bearing animals]. (Nor) Afanasiev, V A *Nor Pelsdyrbl* 49 (8): 336-340. Aug 15, 1975

033656 41.8 N813
On the origin of the horseshoe; a preliminary report. (Dan) Elvinge, F *Nord Veterinaermed* 27 (7/8): 389-392. Eng. Sum. July/Aug 1975

033657 SF481.N68
Rabbit rearing in Hungary: vocational occupation with export possibilities. (Fre) Lebas, F *Nouv Avic* 14 (235): 8-10. Sept 15, 1975

033658 19.5 P752
The present situation and perspective of hare rearing in Slovakia. (Slo) Hell, P *Pol'nohospodarstvo* 21 (7): 585-594. Map. Eng. Sum. 1975

033659 6 T311
Now! Special forage beef systems for southern cattlemen [Beef cattle]. Scruggs, C G *Prog Farmer (Birmingham)* 90 (8): 27-32. Aug 1975

033660 7 C16PU
Mink management and nutrition. *Publ Agric Can* 1566, 39 P. 1975

033661 S543.V5V5
Management and nutrition of early weaned pigs. 1. Effect ofage at weaning upon incidence of scours, performance and survival. Kornegay, E T; Blaha, J D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 170-172. July 1975

033662 S543.V5V5
Management systems for ewes and lambs. McClure, W H; Allen, G A Jr; Blaser, R E; Fontenot, J P; Moore, J M *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 5-7. July 1975

033663 S543.V5V5
Performance of lambs weaned at different weights. McClure, W H; Carter, R C; Fontenot, J P; Hupp, H D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 8-13. July 1975

033664 S543.V5V5
Systems for wintering beef cows. McClure, W H; Fontenot, J P; Meacham, T N *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 23-29A. July 1975

033665 S543.V5V5
1974-75 Livestock Research Report. Virginia Polytechnic Institute and State University *Res Div Rep Va Polytech Inst & State Univ Res Div* 163, 220 P. July 1975

033666 S13.S44
Results and prospects of scientific research at the All-Union Institute of Animal Husbandry. (Rus) Ernst, L K *S-kh Biol* 10 (2): 175-183. Mar/Apr 1975

033667 57.9 ST52
Animal production and the world food situation. (Dut) Iwema, S *Stikstof ('S Grav)* 80 (7): 247-248. Sept 1975

033668 49 T443
Filling and systematic overfilling of the 1975 milk production plan—a task having priority in the livestock production of Neubrandenburg County, with special consideration of the experience gained in the Prenzlau district. (Ger) Krause, J; Thorhauer, K *Tierzucht* 29 (11): 481-484. Nov 1975

033669 49 T443
Influence of different types of stabling on the health and growth performance of calves. (Ger) Lemke, P; Schmoldt, P; Bunger, U; Ponge, J; Rotermund, H; Rieck, H *Tierzucht* 29 (10): 435-437. Oct 1975

033670 49 T443
Influence of selection, age, sex and feeding on meat retention and fat content of ducks. (Ger) Jung, S; Pingel, H; Jeroch, H *Tierzucht* 29 (11): 522-524. Nov 1975

033671 49 T443
Recommendations for the time of separation of dairy cows in industrial open stall units. (Ger) Behrens, G; Kaiser, R *Tierzucht* 29 (9): 407-410. Sept 1975

033672 49 T443
Results and experiences in the use of compressed air udder stimulation at the Dedelow Dairy [Milk production, East Germany]. (Ger) Matthes, H D; Schwiderski, H; Poltrock, E *Tierzucht* 29 (9): 410-412. Sept 1975

033673 49 T443
Results of studies on the adjustment of pailfed calves as affected by shipping and moving. (Ger) Weiher, O; Neumann, W; Schumacher, H *Tierzucht* 29 (10): 451-452. Oct 1975

033674 49 T443
Studies on estimating the daily meat gain in swine by means of the loin-fat quotient, with consideration of net increase. (Ger) Falkenberg, H; Pfeiffer, H *Tierzucht* 29 (9): 417-420. Sept 1975

033675 49 T443
Transport of calves under industrial production conditions. (Ger) Lemke, E; Stolpe, J *Tierzucht* 29 (10): 442-444. Oct 1975

033676 49 T443
Use of a method for the comparison of weight gains of calves stabled at different liveweights. (Ger) Bunger, U; Schmoldt, P; Ponge, J; Steinhardt, M; Hossbach, W *Tierzucht* 29 (10): 439-442. Oct 1975

033677 SB111.A2T72
Animal production within the socialist sector of Algerian agriculture. (Ger) Schmidt, P *Tropenlandwirt* 76: 54-58. Eng. Sum. Oct 1975

033678 SB111.A2T72
Sheep and goats for meat production under tropical conditions. (Ger) De Haas, H J *Tropenlandwirt* 76: 48-53. Eng. Sum. Oct 1975

033679 410 V42
Chinchillas. XXIV. [Husbandry]. (Swe) Utne, R *Vara Palsd* 43 (6): 89, 91. Mar 15, 1975

033680 410 V42
Chinchillas, XXV. [Exhibiting]. (Swe) Utne, R *Vara Palsd* 46 (5/6): 148-150. June 1, 1975

033681 410 V42
Factors that influence results in raising mink. (Swe) Udris, A *Vara Palsd* 46 (1): 17-18. Jan 15, 1975

033682 410 V42
Intensive research with mink [Husbandry]. (Swe) Johansson, A H; Alden, E *Vara Palsd* 46 (4): 101, 103. Apr 15, 1975

033683 410 V42
Raising fur animals in Denmark, 1974-1975. (Swe) *Vara Palsd* 46 (11): 269-270, 273. Nov 15, 1975

033684 41.8 V6439
Cattle raising and its prospects in the Tachov District. (Cze) Kucera, F *Veterinarstvi* 25 (8): 366-368. 1975

033685 41.8 V6439
Choice of animals for large-capacity cattle stables. (Cze) Benda, I *Veterinarstvi* 25 (7): 292-294. 1975

033686 41.8 V6439
Contemporary views of the organization of housing in industrial swine rearing. (Cze) Zeman, J *Veterinarstvi* 25 (4): 163-164. 1975

033687 41.8 V6439
Development of joint agricultural enterprises for swine breeding and fattening. (Cze) Jambor, V *Veterinarstvi* 25 (5): 200-204. 1975

033688 41.8 V6439
Farms specializing in industrialized cattle rearing. (Cze) Martinek, M *Veterinarstvi* 25 (3): 108-109. 1975

033689 41.8 V6439
Need for an effective aid in solving problems of animal production. (Slo) Balla, L *Veterinarstvi* 25 (11): 481-483. 1975

033690 41.8 V6439
Organization of large-scale dairy cattle raising. (Cze) *Veterinarstvi* 25 (11): 493-494. 1975

033691 41.8 V6439
Some information on rearing of turkey hens. (Cze) Burska, Z *Veterinarstvi* 25 (6): 265-268. 1975

033692 1 AG84Y
A fish [farming] story pans out, and world is better fed. Shell, E W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 149-156. 1975

033693 1 AG84Y
How chicken on Sunday became an anyday treat [Feeding, rearing]. Cook, R E; Bumgardner, H L; Shaklee, W E; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 125-132. 1975

033694 1 AG84Y
Move over, milky way—our cows are stars too [Dairy cattle]. Niedermeier, R P; Bohstedt, G; Baumann, C A; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 139-148. 1975

033695 11 T58
Annual cattle reserch, 1974-1975. (Dan) Ostergaard, V; Hindhede, J *12Mandsbladet* 47 (10): 477-481. Oct 1975

11 T58
Danish swine production. (Dan) Sorensen, J E *12Mandsbladet* 47 (8): 359-360. Aug 1975

033696 14 P94
Wine manufacture in vats with lids. (Fre) Ostergaard, V; Hindhede, J *12Mandsbladet* 92 (21): 661-664. Oct 31, 1975

LIVESTOCK BIOLOGY

033697 11 AC82
Growth hormone and somatomedin activities in lines of pigs selected for rate of gain and thickness of backfat. Lund-Larsen, T R; Bakke, H *Acta Agric Scand* 25 (3): 231-234. Ref. 1975

033698 19 AC8
Determination of behaviour norms in cattle of various age and purpose. Czako, J *Acta Agron (Budap)* 24 (3/4): 343-358. Ref. 1975

033699 444.8 AC82
Histochemical and biometrical comparison of the peroneus longus muscle and its innervation in Gallus gallus and Coturnix coturnix japonica [Chickens, quail]. (Fre) Boesiger, B *Acta Anat* 93 (1): 100-114. Ref. Eng. Sum. 1975

033700 444.8 AC82
Postnatal study on the histochemistry of epididymis in buffalo (Bubalus bubalis). Goyal, H O; Dhingra, L D *Acta Anat* 93 (1): 151-160. Ref. 1975

033701 444.8 AC82
Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the retrograde cell degeneration method. Karamanlidis, A N *Acta Anat* 93 (1): 126-134. Ref. 1975

033702 QP501.A2
Electron spin resonance spectra of chicken hepatoma and liver tissue. Elek, G; Lapis, K; Rockenbauer, A; Tibay, T *Acta Biochim Biophys* 10 (3): 181-184. Ref. 1975

033703 QP501.A2
Some structural features of rabbit muscle aldolase as derived from its limited proteolysis. Solti, M; Biszku, E; Sajgo, M; Szabolcsi, G *Acta Biochim Biophys* 10 (3): 185-199. Ref. 1975

033704 448.8 AC85
A comparative study of preparations of ovine luteinizing hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and polyacrylamide gel electrophoresis. Schlamowitz, M; Cronquist, J; Esfahani, M; Ward, D N *Acta Endocrinol* 81 (2): 270-282. Ref. Feb 1976

033705 442.8 AC8
Central nervous structures participating in the simple recognition of touch [Dogs]. Norrsell, U *Acta Neurobiol Exp* 35 (5/6): 707-714. Ref. 1975

033706 442.8 AC8
Dissociative effects of selective lesions in the caudate nucleus of cats and rats. Oberg, R G E; Divac, I *Acta Neurobiol Exp* 25 (5/6): 647-659. Ref. 1975

033707 442.8 AC8
Effects of partial prefrontal lesions in dogs on go-no go avoidance reflex differentiation and reversal learning. Kowalska, D; Dabrowska, J; Zielinski, K *Acta Neurobiol Exp* 35 (5/6): 549-580. Ref. 1975

033708 442.8 AC8
From attentiveness to sleep. A topographical analysis of localized "synchronized" activities on the cortex of normal cat and monkey. Rougeul-Buser, A; Bouyer, J J; Buser, P *Acta Neurobiol Exp* 35 (5/6): 805-819. Ref. 1975

033709 442.8 AC8
Humoral factors controlling food intake in dogs. Turner, L H; Solomon, R L; Stellar, E; Wampler, S N *Acta Neurobiol Exp* 35 (5/6): 491-498. 1975

033710 442.8 AC8
Prefrontal cortex and maipulatory go left-go right differentiation to acoustic directional cues in dogs. Stepien, I; Stepien, L; Toeplitz, Z *Acta Neurobiol Exp* 35 (5/6): 537-548. Ref. 1975

033711 442.8 AC8
Spreading depression resulting from cortical punctures [Cats]. Roitbak, A I; Bobrov, A V *Acta Neurobiol Exp* 35 (5/6): 761-768. Ref. 1975

033712 442.8 AC8
The biological significance of PGO [pontogeniculo-occipital] spikes in the sleeping cat. Morrison, A R; Bowker, R M *Acta Neurobiol Exp* 35 (5/6): 821-840. Ref. 1975

033713 444.8 AC8
Changes in blood arginine vasotocin level after osmotic stimuli in domestic fowl. Niezgoda, J *Acta Physiol Pol* 26 (6): 591-597. Ref. 1975

033714 444.8 AC8
Normal values of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in unanesthetized dogs. Sobocinska, J; Szczepansak-Sadowska, E *Acta Physiol Pol* 26 (6): 613-624. Ref. 1975

033715 444.8 AC8
Phenol red as an indicator of the flow rate of digesta along the small intestine of pig. Kowalczyk, J; Sokol, L; Kulisiewicz, J *Acta Physiol Pol* 26 (6): 625-628. 1975

033716 444.8 AC8
Selective deficit in feeding behavior following the antero-medial amygdaloid lesions in cats. Lewinska, M K *Acta Physiol Pol* 26 (6): 533-541. Ref. 1975

033717 444.8 AC8
Wool growth rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. Reklewska, B *Acta Physiol Pol* 26 (5): 461-470. Ref. 1975

033718 448.8 AC8
Effect of electrode implantation and electrical stimulation of hypothalamus on food intake in cats. Piotrowska, A *Acta Vitaminol Enzymol* 26 (4): 329-340. Ref. 1975

033719 448.8 AC8
Hormonal regulation of thermogenesis in goslings. Possible role of catecholamines. Poczopko, P; Uliasz, M *Acta Vitaminol Enzymol* 26 (2): 149-158. Ref. 1975

033720 448.8 AC8
Hormonal regulation of thermogenesis in goslings. Possible role of the thyroid gland. Poczopko, P; Uliasz, M *Acta Vitaminol Enzymol* 26 (3): 241-248. Ref. 1975

033721 448.8 AC8
Incorporation of N from intravenously administered 15N [nitrogen isotope] labelled urea into the bacterial protein in the sheep. Kowalczyk, J; Havassy, I; Kosta, K; Otwinowska, A *Acta Vitaminol Enzymol* 26 (3): 307-312. Ref. 1975

033722 448.8 AC8
Passage of the intravenously administered 15N [nitrogen isotope] urea into the digestive tract and its excretion in thesheep. Kowalczyk, J; Havassy, I; Otwinowska, A; Kosta, K *Acta Vitaminol Enzymol* 26 (3): 299-306. Ref. 1975

033723 448.8 AC8
The effect of lesions of the dorsomedial thalamic nucleus on alimentary conditioned reflexes and food intake in dogs. Wolf, K; Konopacki, J *Acta Vitaminol Enzymol* 26 (4): 341-346. Ref. 1975

033724 448.8 AC8
Thyroxine utilization rate in suckling pigs. Slebodzinski, A *Acta Vitaminol Enzymol* 26 (3): 249-254. 1975

033725 448.8 AC8
Total serum thyroxine concentration during ontogenic development of sheep. Reklewska, B *Acta Vitaminol Enzymol* 26 (2): 139-147. Ref. 1975

386.2 P192
Lipoprotein metabolism [Man, animals]. Eisenberg, S; Levy, R I *Adv Lipid Res* 13: 1-89. Ref. 1975

033726 41.8 AD9
Functional and fine structural relationships of parathyroid glands [Nutritional diseases, cows, dogs, rabbits]. Capen, C C *Adv Vet Sci Comp Med* 19: 249-286. Ref. 1975

033727 S16.H8A32
Comparative gas metabolism examinations in geese. (Hun) Szep, I; Ernhaft, J *Agrar Tud Egy Kozl (Godollo)* P. 27-41. Ref. Eng. Sum. 1974

033728 S16.H8A32
Contributions to the growth of the digestive system in the Pekinese duck. (Hun) Molnar, J *Agrar Tud Egy Kozl (Godollo)* P. 317-327. Eng. Sum. 1974

033729 S16.H8A32
Contributions to the growth of the digestive system in sheep. 2. (Hun) Molnar, J *Agrar Tud Egy Kozl (Godollo)* P. 329-336. Eng. Sum. 1974

033730 16 AG8226
Nature requires an act of humility on our part [National parks, conservation]. (Ita) Pavan, M *Agricoltura* 24 (5): I-VII. Maps. May 1975

385 AG89
The optimization of conditions for determining iodine [content] by a kinetic rhodanine-nitrite method [in biological materials]. (Rus) Proskuriakova, G F *Agrokhimiia* 8: 138-141. Aug 1975

033731 447.8 AN1
A macroscopic study of the brain of Bison bison bison, the American plains buffalo. Harper, J W; Maser, J D *Anat Rec* 184 (2): 187-202. Plates. Ref. Feb 1976

033732 447.8 AN1
Appearance and disappearance of multiply ciliated follicular cells during development of the dog's thyroid gland. Nunez, E A; Gershon, M D *Anat Rec* 184 (2): 133-145. Plates. Ref. Feb 1976

033733 447.8 AN1
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk sac-serosal membrane [Chicken eggs]. Haas, H J; Spratt, N T Jr *Anat Rec* 184 (2): 227-231. Feb 1976

033734 447.8 AN1
The bony tentorium of the cat: sterotaxic coordinates. Lucas, E A *Anat Rec* 184 (1): 91-96. Jan 1976

033735 447.8 AN1
The growth of the chick retina after hatching. Morris, V B; Wylie, C C; Miles, V J *Anat Rec* 184 (L): 111-114. Jan 1976

033736 49 C43
Biochemistry of livestock. 14. (Jpn) Tanabe, Y *Anim Husb* 29 (7): 1025-1030. July 1975

033737 49 C43
Techniques and practice in milk production. 1. Lactation and milking [Physiology of mammary gland]. (Jpn) Wada, H *Anim Husb* 29 (7): 999-1002. Ref. July 1975

033738 49 AN55
A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, magnesium, sodium, potassium] by pigs growing at a high ambient temperature. Holmes, C W; Grace, N D *Anim Prod* 21 (3): 341-343. Dec 1975

033739 49 AN55
A note on the retention of energy and nitrogen in rabbits. Blas, J C de; Galvez, J F *Anim Prod* 21 (3): 345-347. Dec 1975

033740 49 AN55
The growth of Ayrshire cattle: an analysis of linear body measurements. Russell, W S *Anim Prod* 21 (3): 217-226. Ref. Dec 1975

033741 16 M582
Acidosis and level of metabolism [Rabbits]. (Ita) Galimberti, A *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 495-505. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

033742 41.9 P67
The head caruncles of the Muscovy duck (Cairina moschata domestics L.). Development of the surface in males and females of some types. (Ita) Marroni, P; Goio, L; Ranzani, R *Ann Fac Med Vet Pisa* 27: 171-180. Eng. Sum. 1974 (Pub. 1975)

033743 QH431.A1A52
Study on connection between behavior in open-field and emotivity in young chickens. (Fre) Faure, J M; Morozeau, F *Ann Genet Sel Anim* 7 (2): 197-204. Ref. Eng. Sum. 1975

033744 QR180.A5
A study of the mode of lymphocyte recirculation in the dog. Sainte-Marie, G; Peng, F S; Denis, G *Ann Immunol* 126C (4): 481-500. Ref. June/July 1975

033745 41.8 AN78
Arteries of the heart of the horse and dog. (Fre) Dursun, N *Ann Med Vet* 119 (6): 391-410. Ref. Oct 1975

033746 41.8 AN78
Coronary arteries of pigs. (Fre) Dursun, N *Ann Med Vet* 119 (7): 443-454. Nov 1975

033747 41.8 AN78
The whey proteins as indicators of the physiological or of the pathological status of the mammary gland. (Fre) Ansay, M *Ann Med Vet* 119 (7): 467-477. Ref. Nov 1975

033748 49 F84
Cutaneous heat exchanges of piglets reared in a tropical climate. I. Influence of climatic conditions and influence of the breed. (Fre) Berbigier, P *Ann Zootech* 24 (3): 423-432. Eng. Sum. 1975

033749 49 F84
Estimation of milk production in nursing cows during early lactation. (Fre) Le Neindre, P; Petit, M; Dubroeucq, H *Ann Zootech* 24 (3): 559-563. Eng. Sum. 1975

033750 49 F84
Gastrointestinal transit in monogastric animals. II. Motor events and digesta movements. (Fre) Laplace, J P *Ann Zootech* 24 (3): 489-551. Ref. Eng. Sum. 1975

033751 49 F84
Measurement of cutaneous heat exchanges in swine reared under shelter by means of the energy balance method. (Fre) Berbigier, P *Ann Zootech* 24 (3): 413-421. Ref. Eng. Sum. 1975

033752 49 F84
The digestive transit in the rabbit. IV. Assay on the mathematical modelling of the transfers of radioactive marker between the different digestive compartments. (Fre) Jolivet, E; Laplace, J P; Lebas, F; Germain, C *Ann Zootech* 24 (3): 475-488. Ref. Eng. Sum. 1975

033753 QH345.A1P73
Antirachitic activity of lumisterol-3 [Chickens]. Govseeva, N N; Vendt, V P *Appl Biochem Microbiol* 10 (2): 272-274. Ref. Mar-/Apr 1974 Transl. 1975

033754 448.3 AP5
Relationship of lactate dehydrogenase specificity and growth rate to lactate metabolism by Selenomonas ruminantium [Rumen bacteria]. Scheifinger, C C; Latham, M J; Wolin, M J *Appl Microbiol* 30 (6): 916-921. Ref. Dec 1975

033755 105.8 H686A
Introduction into the biometry of animal experiments. (Ger) Thoni, H; Haiger, A *Arbeiten Hohenheim Univ* P. 9-35. 1975

033756 QL1.A73
Histogenesis of aminergic nerve cells in the chick's diencephalon, Gallus gallus. (Fre) Gerard-Ivanoff, A *Arch Anat Histol Embryol, Norm Exp* 57 (1): 115-133. Ref. Eng. Sum. 1974

033757 QL1.A73
The embryonic sex hormones in birds [Chicks, ducks]. (Fre) Weniger, J P *Arch Anat Histol Embryol, Norm Exp* 57 (1): 145-151. Ref. Eng. Sum. 1974

033758 444.8 AR21
Experimental study of visual projections specificity in microphthalm and monophthalm embryos and chickens of Gallus domesticus L. (Fre) Raffin, J P; Reperant, J *Arch Anat Microsc Morphol Exp* 64 (2): 93-111. Ref. Eng. Sum. Apr/June 1975

033759 381 AR2
Carbohydrate compositions of the rabbit plasminogen isozymes. Hayes, M L; Brethauer, R K; Castellino, F J *Arch Biochem Biophys* 171 (2): 651-655. Ref. Dec 1975

033760 381 AR2
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically modified ox liver mitochondrial glutamate dehydrogenase. Di Prisco, G *Arch Biochem Biophys* 171 (2): 604-612. Ref. Dec 1975

033761 381 AR2
Evidence for an essential histidine residue in rabbit liver aryl sulfatase A. Lee, G D; Van Etten, R L *Arch Biochem Biophys* 171 (2): 424-434. Ref. Dec 1975

033762 381 AR2
Gonadotropin and subunit conformation [Sheep pituitary hormone]. Holladay, L A; Puett, D *Arch Biochem Biophys* 171 (2): 708-720. Ref. Dec 1975

033763 381 AR2
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. Schuster, S M; Ebel, R E; Lardy, H A *Arch Biochem Biophys* 171 (2): 656-661. Ref. Dec 1975

033764 381 AR2
Metabolic interrelations of hydroxy-substituted ether-linked glycerolipids in the pink portion of the rabbit Harderian gland. Rock, C O; Snyder, F *Arch Biochem Biophys* 171 (2): 631-636. Ref. Dec 1975

033765 381 AR2
Purification and characterization of beef liver dihydrofolate reductase. Kaufman, B T; Kemerer, V F *Arch Biochem Biophys* 172 (1): 289-300. Ref. Jan 1976

033766 381 AR2
Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in cultured rabbit lens epithelium. Hollenberg, M D *Arch Biochem Biophys* 171 (2): 371-377. Ref. Dec 1975

033767 381 AR2
Studies on the regulation of pyruvate dehydrogenase in isolated beef heart mitochondria. Schuster, S M; Olson, M S; Routh, C A *Arch Biochem Biophys* 171 (2): 745-752. Ref. Dec 1975

033768 381 AR2
The mode of activation by potassium of potassium-dependent and quabain-sensitive phosphatase activity. Tashima, Y; Hasegawa, M *Arch Biochem Biophys* 171 (2): 568-574. Ref. Dec 1975

033769 381 AR2
The regulatory role of calcium in 25-hydroxycholecalciferol metabolism in chick kidney in vitro. Horiuchi, N; Suda, T; Sasaki, S; Ogata, E; Ezawa, I; Sano, Y; Shimazawa, E *Arch Biochem Biophys* 171 (2): 540-548. Ref. Dec 1975

033770 381 AR2
The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the regulation of chick renal 25-hydroxyvitamin D3-24hydroxylase. Tanaka, Y; Lorenc, R S; DeLuca, H F *Arch Biochem Biophys* 171 (2): 521-526. Ref. Dec 1975

033771 442.8 AR25
Electrophysiological and histological study of the splanchnic nerve fibers [Cats]. (Fre) Ranieri, F; Crousillat, J; Mei, N *Arch Ital Biol* 113 (4): 354-373. Ref. Eng. Sum. Dec 1975

033772 389.78 AR22
Qualitative and quantitative studies of the metabolism of fatty acids, in particular that of linoleic acid, in calves. (Ger) Helali, E; Hashem, H *Arch Tierernahr* 25 (9/10): 637-646. Ref. Eng. Sum. Dec 1975

033773 49 AR23
Judging udder shape with the help of a stereo measuring chamber. (Ger) Fiedler, H; Toppler, J *Arch Tierz* 18 (5): 273-278. Eng. Sum. 1975

033774 QL801.A7
Continuous hypokinesia and its effects upon tissues and vessels of extremities in experiment [Dogs]. (Rus) Kupriianov, V V; Petrukhin, V G; Novikov, N I; Gaidamakin, N A; Krasnykh, I G; Solov'ev, V I; Vlasov, V B; Petrukhin, S V *Arkh Anat Gistol Embriol* 69 (11): 39-46. Ref. Eng. Sum. Nov 1975

033775 QL801.A7
The vital capacity of the kidney after autovenoplastics of its artery [Dogs]. (Rus) Dzhabakhishvili, N A; Komakhidze, M E *Arkh Anat Gistol Embriol* 69 (11): 5-13. Ref. Eng. Sum. Nov 1975

033776 18 G31A
Fundamental physical phenomena of the pulsating and non-pulsating milking systems. (Ger) Mejer, G J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 93-118. Ref. 1975

033777 QP801.H7L52
Hypothalamic hormones [isolated from sheep and swine]. Boss, B; Vale, W; Grant, G *Biochem Actions Horm* 3: 87-118. Ref. 1975

033778 QP801.H7L52
Nucleic acid probes and analysis of hormone action in [chick] oviduct. Schimke, R T; McKnight, G S; Shapiro, D J *Biochem Actions Horm* 3: 245-269. Ref. 1975

033779 QP801.H7L52
The glucocorticoid receptor. Cake, M H; Litwack, G *Biochem Actions Horm* 3: 317-390. Ref. 1975

033780 381 B523
Characterization of human, bovine, and horse antithrombin III. Kurachi, K; Schmer, G; Hermodson, M A; Teller, D C; Davie, E W *Biochemistry (Easton)* 15 (2): 368-373. Ref. Jan 27, 1976

033781 381 B523
Inhibition of bovine factor IXalpha and factor Xalpha-beta by antithrombin III. Kurachi, K; Fujikawa, K; Schmer, G; Davie, E W *Biochemistry (Easton)* 15 (2): 373-377. Ref. Jan 27, 1976

033782 381 B523
The role of lysine in the action of bovine pancreatic ribonuclease A. Walter, B; Wold, F *Biochemistry (Easton)* 15 (2): 304-310. Ref. Jan 27, 1976

033783 385 B523AE
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of peptides from cyanogen bromide hydrolysate. Aldanova, N A; Feigina, M YU; Lipkin, V M; Smirnov, YU V; Slobodyan, L N; Egorov, TS A; Grishin, E V; Ovchinnikov, YU A; Nosikov, V V; Et Al *Biochemistry (N Y)* 40 (2, Pt. 1): 196-200. Mar/Apr 1975

033784 381 B522
Adenosine triphosphate: nicotinamide mononucleotide adenylyltransferase of pig liver. Purification and properties. Ferro, A M; Kuehl, L *Biochim Biophys Acta* 410 (2): 285-298. Ref. Dec 18, 1975

033785 381 B522
Amino acid transport by the helicoidal colon of the new-born pig. Smith, M W; James, P S *Biochim Biophys Acta* 419 (2): 391-394. Jan 21, 1976

033786 381 B522
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from chick embryo tendons without activation of prolyl hydroxylase. Kao, W W Y; Berg, R A; Prockop, D J *Biochim Biophys Acta* 411 (2): 202-215. Ref. Dec 5, 1975

033787 381 B522
Biosynthetic studies in mannolipids and mannoproteins of normal and vitamin A-Depleted hamster livers. DeLuca, L M; Silverman-Jones, C S; Barr, R M *Biochim Biophys Acta* 409 (3): 342-359. Ref. Dec 17, 1975

033788 381 B522
Carbohydrate composition of horse spleen ferritin. Shinjyo, S; Abe, H; Masuda, M *Biochim Biophys Acta* 411 (1): 165-167. Ref. Nov 10, 1975

033789 381 B522
Cell-free synthesis of tubulin 1 and tubulin 2 on polysomes isolated rom embryonic chick brain. Jorgensen, A O; Heywood, S M *Biochim Biophys Acta* 414 (3): 321-325. Ref. Dec 19, 1975

033790 381 B522
Comparison of early embryonic and differentiating cell surfaces: interaction of lectins with plasma membrane components [Chick blastoderm]. Zalik, S E; Cook, G M W *Biochim Biophys Acta* 419 (1): 119-136. Ref. Jan 8, 1976

033791 381 B522
Detection and partial characterization of lipoprotein lipase in bovine aorta. Henson, L C; Schotz, M C *Biochim Biophys Acta* 409 (3): 360-366. Dec 17, 1975

033792 381 B522
Different effects of polylysine and polyarginine on the transition to a condensed state of DNA in polyethyleneglycol/salt solution [Calves]. Zama, M; Ichimura, S *Biochim Biophys Acta* 414 (3): 256-262. Ref. Dec 19, 1975

033793 381 B522
Dissociation of the DNA replicase system of bovine lymphocyte nuclei. Thompson, L R; Mueller, G C *Biochim Biophys Acta* 414 (3): 231-241. Ref. Dec 19, 1975

033794 381 B522
Effect of calcium ions on pyruvate carboxylase from pigeon liver. Dugal, B S; Gopel, G *Biochim Biophys Acta* 410 (2): 407-413. Ref. Dec 18, 1975

033795 381 B522
Ether lipid metabolism: incorporation of O-Hexadecyl ethanediol into rat brain lipids. Schmid, H H O; Bandi, P C; Chang, N C; Madson, T H; Baumann, W J *Biochim Biophys Acta* 409 (3): 311-319. Ref. Dec 17, 1975

033796 381 B522
Evidence for electrogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. Augustus, J *Biochim Biophys Acta* 419 (1): 63-75. Ref. Jan 8, 1976

033797 381 B522
Evidence for the presence in calf thymus of a peptidic factor controlling DNA transcription in vitro. Gianfranceschi, G L; Amici, D; Gugliemi, L *Biochim Biophys Acta* 414 (1): 0-19. Ref. Nov 18, 1975

033798 381 B522
Guinea pig liver L-asperaginase. Separation, purification, and intracellular localisation of two distinct enzymatic activities. Rogez, J C; Plaquet, R; Biserte, G *Biochim Biophys Acta* 410 (2): 370-381. Ref. Dec 18, 1975

033799 381 B522
Inactivation by detergents to the proline transport system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. Mizushima, S *Biochim Biophys Acta* 419 (2): 261-270. Ref. Jan 21, 1976

033800 381 B522
Induction of the catalytic protein of (Na+ +K+) [sodium and potassium ions]-ATPase in the salt gland of the duck. Stewart, D J; Semple, E W; Swart, G T; Sen, A K *Biochim Biophys Acta* 419 (1): 156-163. Ref. Jan 8, 1976

033801 381 B522
Induction of udpglucose dehydrogenase during development, organ culture, and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. Fyffe, J; Dutton, G J *Biochim Biophys Acta* 411 (1): 41-49. Ref. Nov 10, 1975

033802 381 B522
Isolation and characterization of two alkaline ribonucleases from calf serum. Tigerstrom, R G von; Manchak, J M *Biochim Biophys Acta* 418 (2): 184-194. Ref. Jan 19, 1976

033803 381 B522
Isolation of the terminal complement complex from target sheep erythrocyte membranes. Bhakdi, S; Ey, P; Bhakdi-Lehnen, B *Biochim Biophys Acta* 419 (3): 445-457. Ref. 1975

033804 381 B522
Kinetic mechanism of formiminotransferase from porcine liver. Beaudet, R; MacKenzie, R *Biochim Biophys Acta* 410 (2): 252-261. Ref. Dec 18, 1975

033805 381 B522
Lipid composition and protein profiles of outer and inner membranes from pig heart mitochondria. Comparison with microsomes. Comte, J; Maisterrena, B; Gautheron, D C *Biochim Biophys Acta* 419 (2): 271-284. Ref. Jan 21, 1976

033806 381 B522
Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various mammalian [Calf, cow, pig] erythrocytes. Luthra, M G; Hildenbrandt, G R; Kim, H D; Hanahan, D J *Biochim Biophys Acta* 419 (1): 180-186. Ref. Jan 8, 1976

033807 381 B522
On the specificity of porcine elastase. Gold, R; Shalitin, Y *Biochim Biophys Acta* 410 (2): 421-425. Ref. Dec 18, 1975

033808 381 B522
Organ and interacellular localization of short-chain acyl-CoA synthetases in rat and guinea-pig. Scholte, H R; Groot, P H E *Biochim Biophys Acta* 409 (3): 283-296. Ref. Dec 17, 1975

033809 381 B522
Percent satellite DNA as a function of tissue and age of mice. Prashad, N; Cutler, R G *Biochim Biophys Acta* 418 (1): 1-23. Ref. Jan 5, 1976

033810 381 B522
Phospholipase A2, isoenzyme from porcine pancreas purification and some properties. Wezel, F M van; Haas, G H de *Biochim Biophys Acta* 410 (2): 299-309. Ref. Dec 18, 1975

381 B522
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. Vassileva Grancharova, TS; Argorova Getova, T; Krumov Nikolov, T *Biochim Biophys Acta* 418 (3): 397-403. Ref. Feb 5, 1976

033811 381 B522
Protein synthesis in homologous and heterologous cell-free systems from chick embryo connective tissues. Traut, T W; Petruska, J A *Biochim Biophys Acta* 418 (1): 73-80. Ref. Jan 5, 1976

033812 381 B522
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in rabbit pancreas. Schreurs, V V A M; Swarts, H G P; De Pont, J J H H M; Bonting, S L *Biochim Biophys Acta* 419 (2): 320-330. Ref. Jan 21, 1976

033813 381 B522
Surface distribution of the fatty acid side chains of phosphatidylethanolamine in mixed phospholipid vesicles [Hen egg yolk]. Litman, B J *Biochim Biophys Acta* 413 (2): 157-162. Ref. Dec 1, 1975

033814 381 B522
The effect of calcium on the tryptic digestion of bovine intestinal calcium-binding protein. Fullmer, C S; Wasserman, R H; Hamilton, J W; Huang, W Y; Cohn, D V *Biochim Biophys Acta* 412 (2): 256-261. Ref. Dec 15, 1975

033815 381 B522
The effects of removal of sodium ions from the mucosal solution on sugar absorption by rabbit ileum. Naftalin, R J; Holman, G D *Biochim Biophys Acta* 419 (2): 385-390. Ref. Jan 21, 1976

033816 381 B522
The effects of pregnancy and lactation on the activities in rat liver of some enzymes associated with glucose metabolism. Smith, R W *Biochim Biophys Acta* 411 (1): 22-29. Ref. Nov 10, 1975

033817 383 SO1
Characterization of the mannosyl and fucosyl transferases in the ovine anterior pituitary glands. Tertrin-Clary, C; La Llosa-Hermier, M P de; La Llosa, P de *Biochimie* 57 (9): 1073-1077. Ref. 1975

033818 383 SO1
Characterization of the histones of beef pancreas. (Fre) Lipinska, A; Klyszejko-Stefanowicz, L *Biochimie* 57 (8): 881-884. Ref. Eng. Sum. 1975

033819 383 SO1
Nucleoside diphosphate kinase of beef erythrocytes. Purification of the phosphorylated form. (Fre) Richard, J M; Colomb, M *Biochimie* 57 (8): 991-993. Ref. 1975

033820 383 SO1
On the formation of a ternary complex between [porcine pancreatic] lipase, colipase and micelles of amphipathic compounds. Sari, H; Nurit, S; Entressangles, B *Biochimie* 57 (9): 1045-1050. Ref. 1975

033821 383 SO1
Pig heart mitochondrial ATPase [adenosine triphosphate]: properties of purified and membrane-bound enzyme. Effects of flavonoids. Di Pietro, A; Godinot, C; Bouillant, M L; Gautheron, D C *Biochimie* 57 (8): 959-967. Ref. 1975

033822 383 SO1
Purification and characterization of ovine pancreatic alphaamylase. Ettalibi, M; Ben Abdeljlil, A; Marchis-Mouren, G *Biochimie* 57 (9): 995-999. Ref. 1975

033823 383 SO1
Special features of Pi [phosphate] transport in pig heart and rat liver mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). Abou-Khalil, S; Sabadie-Pialoux, N; Gautheron, D C *Biochimie* 57 (9): 1087-1094. Ref. 1975

033824 385 B523
Fibril formation in solutions of solubilized collagen [of cattle skin]. (Rus) Istranov, L P; Belova, L A; Shekhter, A B; Sychenikov, I A *Biokhimiia* 40 (6): 1255-1260. Ref. Eng. Sum. Nov/Dec 1975

033825 385 B523
Investigation of sheep blood serum haptoglobin. (Rus) Beisembaeva, R U; Dzhusupova, R Zh *Biokhimiia* 40 (6): 1163-1167. Ref. Eng. Sum. Nov/Dec 1975

033826 385 B523
Investigation of the reaction of [swine] pepsin and pepsinogen with dicyclohexylcarbodiimide. (Rus) Gorodetskii, D I; Miasoedov, N F; Stepanov, V M *Biokhimiia* 40 (6): 1305-1311. Ref. Eng. Sum. Nov/Dec 1975

033827 385 B523
Purification of creatine kinase from bull heart mitochondria. (Rus) Dmitrenko, N P; Bukhanevich, A M; Bevz, N S *Biokhimiia* 40 (6): 1292-1298. Ref. Eng. Sum. Nov/Dec 1975

033828 20 ER4
Amino acids, their annalogues and ninhydrine positive substances in cattle cerebellum. (Rus) Muradian, M Sh; Edigarian, A N; Galoian, A A *Biol Zh Arm* 28 (6): 3-7. Ref. June 1975

033829 20 ER4
Conditional motor reflexes after monolateral damage of the subthalamic Luys body in cat. (Rus) Seferian, E S *Biol Zh Arm* 28 (6): 37-40. June 1975

033830 389.8 B773
Further studies of the dynamics of nitrogen metabolism in sheep. Nolan, J V; Norton, B W; Leng, R A *Br J Nutr* 35 (1): 127-147. Ref. Jan 1976

033831 389.8 B773
Simulation of the dynamics of nitrogen metabolism in sheep. Mazanov, A; Nolan, J V *Br J Nutr* 35 (1): 149-174. Ref. Jan 1976

033832 396.8 B77
Central effects of clonidine 2-(2,6-dichlorophenylamino)-2-imidazoline hydrochloride in fowls. Marley, E; Nistico, G *Br J Pharmacol* 55 (4): 459-473. Ref. Dec 1975

033833 396.8 B77
Effects of dopamine on sinus rate and ventricular contractile force of the dog heart in vitro aand in vivo. Endoh, M *Br J Pharmacol* 55 (4): 475-486. Ref. Dec 1975

033834 396.8 B77
Furazolidone-pethidine interaction in rabbits. El Tayeb, I B; Osman, O H *Br J Pharmacol* 55 (4): 497-501. Ref. Dec 1975

033835 396.8 B77
Gamma-aminobutyric acid receptor on vascular smooth muscle of dog cerebral arteries. Fujiwara, M; Muramatsu, I; Shibata, S *Br J Pharmacol* 55 (4): 561-562. Dec 1975

033836 396.8 B77
Prostaglandins in pyometrial fluid from the cow, bitch and ferret. Heap, R B; Poyser, N L *Br J Pharmacol* 55 (4): 515-518. Ref. Dec 1975

033837 512 W262
Isolation and characterization of a photolabile corrinoid-polypeptide complex from bovine liver. Skupin, J; Nowakowska, K; Pedziwilk, F *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 435-440. Ref. 1975

033838 512 W262
Retention of symmetrical go-no go avoidance differentiation after prefrontal lesions in dogs. Kowalska, D; Dabrowska, J; Zielinski, K *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 487-494. Ref. 1975

033839 512 W262
The multiple forms of acid phosphatase from horse leucocytes. Wasyl, Z *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 153-159. Ref. 1975

033840 473 B87
Mammary lymphology and physiology of lactation [Includes livestock]. (Fre) Arvy, L *Bull Biol Fr Belg* 109 (2): 99-124. Ref. Eng. Sum. 1975

033841 22.5 M6932B
Blood values of male adult Beagle [dog] and seasonal variation. (Jpn) Hamana, K; Kuroda, H; Nagata, T *Bull Fac Agric Univ Miyazaki* 22 (1): 73-80. Ref. Eng. Sum. Oct 1975

033842 QP88.C3
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) solution[Chick embryos]. Park, H Z; Kashiwa, H K *Calcif Tissue Res* 19 (3): 189-196. Ref. 1975

033843 QP88.C3
Chondrocyte metabolism as affected by vitamin A [Chick embryos]. Vasan, N S; Lash, J W *Calcif Tissue Res* 19 (2): 99-107. Ref. 1975

033844 QP88.C3
The comparative effects of vitamin D deficiency and ethane1-hydroxy-1,1-diphosphonate administration on the histology and glycolysis of chick epipiphyseal and articular. Bisaz, S; Schenk, R; Kunin, A S; Russell, R G G; Muhlbauer, R; Fleisch, H *Calcif Tissue Res* 19 (2): 139-152. Ref. 1975

033845 41.8 C162
Effect of trauma on plasma glucagon and insulin concentrations in sheep [Metabolism]. Brockman, R P; Manns, J G *Can J Comp Med* 40 (1): 5-8. Ref. Jan 1976

033846 444.8 C16
A simple dichromatic densitometer for repeated measurements of cardiac output in small animals. Baines, A D; Timanoff, M; Wong, J; Paul, W *Can J Physiol Pharmacol* 53 (5): 704-708. Ref. Oct 1975

033847 444.8 C16
Kinetics of the red cell washout from coronary vessels of isolated feline hearts. Song, S H *Can J Physiol Pharmacol* 53 (5): 755-762. Ref. Oct 1975

033848 444.8 C16
Re-incorporation of carbon atoms into plasma glucose in newborn dogs. Hall, S E H; Hetenyi, G Jr *Can J Physiol Pharmacol* 53 (5): 967-968. Oct 1975

033849 444.8 C16
Respiratory effects of H+ [hydrogen ion] and dinitrophenol injections into the brain stem subarachnoid-space of fetal lambs. Jansen, A H; Russell, B J; Chernick, V *Can J Physiol Pharmacol* 53 (5): 726-733. Ref. Oct 1975

033850 444.8 C16
Temperature-induced changes in metabolism and body weight of cattle (Bos taurus). Young, B A *Can J Physiol Pharmacol* 53 (5): 947-953. Ref. Oct 1975

033851 444.8 C16
The development of sympathetic innervation and the functional state of the cardiovascular system in newborn dogs. Gauthier, P; Nadeau, R A; De Champlain, J *Can J Physiol Pharmacol* 53 (5): 763-776. Ref. Oct 1975

033852 444.8 C16
The effect of lobar obstruction on regional perfusion in the intact dog. Zidulka, A; Desmeules, M; Harvey, J; Anthonisen, N R *Can J Physiol Pharmacol* 53 (5): 954-957. Oct 1975

033853 444.8 C16
54Mn [manganese isotope] uptake by the ovaries and reproductive tract of cycling and anestrous ewes. Hidiroglou, M *Can J Physiol Pharmacol* 53 (5): 969-972. Ref. Oct 1975

033854 470 C16D
Plasma cells in the avian harderian gland and the morphology of the gland in the rook [Poultry, quail]. Burns, R B *Can J Zool* 53 (9): 1258-1269. Ref. Sept 1975

033855 QH573.C42
Effect of proteases on activation of resting chick embryo fibroblasts and on cell surface proteins. Blumberg, P M; Robbins, P W *Cell Mass Inst Technol* 6 (2): 137-147. Ref. Oct 1975

033856 QH581.A1Z4
Cellular contacts in the synovial membrane of the cat and the rabbit: an ultrastructural study. Groth, H P *Cell Tissue Res* 164 (4): 525-541. Ref. 1975

033857 QH581.A1Z4
Comparison of in vitro and in vivo cell cycle parameters of lymphoid cells in pig spleens. Pabst, R; Trepel, F *Cell Tissue Res* 165 (2): 227-237. Ref. 1975

033858 QH581.A1Z4
Development and cytodifferentiation of the rabbit pars intermedia. I. Fetal and perinatal stages. Chatterjee, P *Cell Tissue Res* 164 (4): 481-501. Ref. 1975

033859 QH581.A1Z4
Monoamine fluorescence in the median eminence of the Japanese quail, Coturnix coturnix japonica, following medial basal hypothalamic deafferentation. Nozaki, M; Kobayashi, H; Yangisawa, M; Bando, T *Cell Tissue Res* 164 (4): 425-434. Ref. 1975

033860 QH581.A1Z4
Ontogeny of the pig hypothalamic neurosectory system with particular reference to the distribution of neurophysin. Ellis, H K; Watkins, W B *Cell Tissue Res* 164 (4): 543-557. Ref. 1975

033861 QH581.A1Z4
Uteroglobin-like antigen in the male genital tract secretions [Rabbits]. Beier, H M; Bohn, H; Muller, W *Cell Tissue Res* 165 (1): 1-11. Ref. 1975

033862 RM1.C5
Transformation and excretion of drugs in biological systems. XI. Renal excretion mechanisms of sulfonamides in rabbits. Owada, E; Takahashi, K; Arita, T; Hori, R *Chem Pharm Bull* 23 (12): 3215-3222. Ref. Dec 1975

033863 QP1.C6
A procedure for location and removal of the lachrymal and Harderian glands of avian species [Chicken, quail]. Aitken, I D; Survashe, B D *Comp Biochem & Physiol A, Comp Physiol* 53 (2): 193-195. 1976

033864 QP1.C6
Mediation of glucagon in the response of the domestic fowl to stress. Freeman, B M *Comp Biochem & Physiol A, Comp Physiol* 53 (2): 169-171. Ref. 1976

033865 QP1.C6
Studies on avian erythrocyte metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in chick embryos and chicks. Isaacks, R E; Froeman, G A; Goldman, P H; Adler, J L; Sussmsn, S A; Roth, S *Comp Biochem & Physiol A, Comp Physiol* 53 (2): 151-156. Ref. 1976

033866 QP501.C6
Analysis of the structural forms of alpha-amylase present in chicken (Gallus domesticus) pancreatic duct juice and intestinal lumen. Lehrner, L M; Malacinski, G M *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 61-66. Ref. 1976

033867 QP501.C6
Erythrocyte enzyme activities and glutathione levels of the horse, cat, dog and man. Harvey, J W; Kaneko, J J *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 507-510. Ref. Dec 15, 1975

033868 QP501.C6
High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of chicken corticosteroid binding globulin. Cochet, C; Chambaz, E M *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 73-76. Ref. 1976

033869 QP501.C6
Influence of dietary fat source on hepatic lipogenesis in the fasted-refed chick (Gallus domesticus). Romosos, D R; Ruiz, S M; Leveille, G A *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 19-22. Ref. 1976

033870 QP501.C6
Isoenzyne comparisons of wild Iranian sheep (Ovis linnaeus). Nadler, C F; Deutsch, L; Lay, D M *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 123-125. Ref. 1976

033871 QP501.C6
Isolation and practical characterization of sheep transferrin. Spooner, R L; Oliver, R A; Richardson, N; Buttress, N; Feinstein, A; Maddy, A H; Stratil, A *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 515-522. Ref. Dec 15, 1975

033872 QP501.C6
Polymorphism in fowl serum albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). Jernigan, H M Jr; LaMonda, G W; Fried, M *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 67-72. Ref. 1976

033873 41.8 C81
Animal behavior as a subject for veterinary students. Houpt, K A *Cornell Vet* 66 (1): 73-81. Ref. Jan 1976

033874 41.8 C81
Bilateral cryptorchidism in a bull [Clinical and anatomicalobservations]. Rebhun, W C *Cornell Vet* 66 (1): 10-13. Jan 1976

033875 QH573.C9
Carbohydrate metabolism in sheep endometrium during early pregnancy. Horst, C J G van der; Brand, A *Cytobios* 12 (47/48): 203-210. Ref. 1975

033876 442.8 D49
Epidermal protein metabolism directed toward keratinization by hydrocortisone in the chick embryonic skin growing in a chemically defined medium. Kojima, A; Sugimoto, M; Endo, H *Dev Biol* 48 (1): 173-183. Ref. Jan 1976

033877 442.8 D49
Scanning electron microscopic visualization of collagen fibers in embryonic chick skin. Overton, J; Collins, J *Dev Biol* 48 (1): 80-90. Ref. Jan 1976

033878 511 P444A
Post-synaptic specializations in cat spinal cord. (Rus) Skibo, G G; Pogorelaia, N Kh *Dokl Akad Nauk SSSR* 224 (5): 1230-1232. Ref. 1975

033879 511 P444A
Study of the self-diffusion of water in biological objects by the method of nuclear spin echo using pulse gradient of the magnetic field [Plants, mice]. (Rus) Miftakhutdinova, F G; Anisimov, A V; Velikanov, G A *Dokl Akad Nauk SSSR* 224 (2): 487-490. 1975

033880 S13.B82
A method for determining the survival rate of isogenic erythrocytes in the blood flow of cattle in cases of transfusions. Koychev, K *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 133-135. Ref. 1975

033881 S13.B82
Effect of selenium on the 35S [sulfur isotope]-cysteine metabolism in lambs. Venkov, T; Stanchev, H *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 97-100. 1975

033882 S13.B82
Effect of several antipyretic substances on experimentally induced pyrogenic reaction in sheep. (Rus) Planski, B *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 105-107. 1975

033883 S13.B82
Metabolism of 14C [carbon isotope]-glutamic acid and 14C-DL-arginine in chickens with different genotypes of the blood catalase. Ermenkov, K; Shabalina, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 87-90. 1975

033884 S13.B82
17-beta-estradiol and transportation of alpha-amino-isobutyric acid in chicken's liver sections. Ivanov, TS *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 119-121. Ref. 1975

QH540.S7
Devon Island, Canada [Plants, animals, ecology]. Bliss, L C *Ecol Bull Statens Naturvetensk Forsk* 20: 17-60. Map. Ref. 1975

033885 448.8 EN2
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. Gildersleeve, D L; Pearson, T A; Baghdiantz, A; Foster, G V *Endocrinology* 97 (6): 1593-1596. Ref. Dec 1975

033886 448.8 EN2
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone releasing hormone/follicle stimulating hormone releasing hormone]. Adams, T E; Kinder, J E; Chakraborty, P K; Estergreen, V L; Reeves, J J *Endocrinology* 97 (6): 1460-1467. Ref. Dec 1975

033887 448.8 EN2
Regulation of pineal rhythms in chickens: effects of blinding, constant light, constant dark and superior cervical ganglionectomy. Ralph, C L; Binkley, S; MacBride, S E; Klein, D C *Endocrinology* 97 (6): 1373-1378. Ref. Dec 1975

033888 442.8 EX7
Studies on biosynthesis of soluble lens crystallin antigens in the chick by isoelectric focusing in thin-layer polyacrylamide gel. Brahma, S K; Starre, H von der *Exp Cell Res* 97 (1): 175-183. Ref. Jan 1976

033889 475 EX7
Distribution of type A and B monoamine oxidase activities in the central nervous system of rat and chick. Suzuki, O; Yagi, K *Experientia* 32 (1): 13-14. Ref. Jan 15, 1976

033890 475 EX7
Dog behaviour as related to spinal cord temperature. Cormareche-Leydier, M; Cabanac, M *Experientia* 32 (1): 66-68. Jan 15, 1976

033891 475 EX7
Effect of different bathing media on the short-circuit current across the intestine of the rat and guinea-pig. Mateu, L; Robinson, J W L *Experientia* 32 (1): 62-64. Ref. Jan 15, 1976

033892 475 EX7
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on cultured brain cells from chick embryos of different ages. Moonen, G; Sensenbrenner, M *Experientia* 32 (1): 40-42. Jan 15, 1976

033893 475 EX7
Histamine receptors in the cat mesenteric circulation. Ercan, Z S; Turker, R K *Experientia* 32 (1): 89-90. Jan 15, 1976

033894 475 EX7
Incorporation of tritiated uridine during pachytene and diplotene stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). Hartung, M; Stahl, A *Experientia* 32 (1): 96-98. Jan 15, 1976

033895 475 EX7
Influence of the visual cortex upon collicular evoked responses in the rabbit. Molotchnikoff, S; Dubuc, M; Brunette, J R *Experientia* 32 (1): 72-74. Jan 15, 1976

033896 475 EX7
Role of catecholamines in thyroxine-induced changes in metabolism and body temperature during exercise in dogs. Kaciuba-Uscilko, H; Brzezinska, Z; Greenleaf, J E *Experientia* 32 (1): 68-69. Ref. Jan 15, 1976

033897 475 EX7
Wireless microphone for studies of animal vocalizations. McKinley, P; Dowell, B; Schleidt, W M *Experientia* 32 (1): 132-133. Jan 15, 1976

033898 QD415.F4
Proton magnetic resonance study of troponin-C [Rabbits]. Levine, B A; Mercola, D; Thornton, J M *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 218-222. Ref. Jan 15, 1976

033899 SF985.F4
Feline behavior. Hart, B L *Feline Pract* 5 (6): 6, 8. Nov/Dec 1975

033900 444.8 F58
Electrophysiological study of connections between some subcortical nuclei and the cerebral cortex [Cats]. (Rus) Gambarian, L S; Kazarian, A G; Garibian, A A; Kazarian, G M *Fiziol Zh SSSR* 61 (12): 1767-1772. Ref. Eng. Sum. Dec 1975

033901 444.8 F58
On the role of noradrenaline in the regulation of muscle thermogenesis during cooling [Rabbits]. (Rus) Ivanov, K P; Lariukhina, T M *Fiziol Zh SSSR* 61 (2): 1805-1811. Ref. Eng. Sum. Dec 1975

033902 444.8 F58
On the technique for investigation into the function of the dog liver. (Rus) Liashchenko, P S *Fiziol Zh SSSR* 61 (2): 1891-1893. Ref. Dec 1975

033903 280.38 F62
Results of tests for inhibitors in slaughter swine. (Ger) Richter, O; Donnerbauer, H J; Philipp, A *Fleischwirtschaft* 55 (10): 1459-1460. Eng. Sum. Oct 1975

033904 280.38 F62
The detection of substances with estrogenic effects [in calves] in testing for residues. (Ger) Bongartz, G; Kuschfeld, D *Fleischwirtschaft* 55 (9): 1293-1294. Eng. Sum. Sept 1975

033905 280.38 F62
What is a stress-sensitive pig? (Ger) Fischer, K *Fleischwirtschaft* 55 (10): 1411, 1413-1414. Ref. Oct 1975

033906 442.8 F712
The difference in absorption of bull seminal ribonuclease by organ tissues of juvenile and adult mice. Matousek, J *Folia Biol (Praha)* 21 (4): 263-269. Ref. 1975

033907 444.8 G28
Purification and properties of an avian prolactin [Chickens]. Scanes, C G; Bolton, N J; Chadwick, A *Gen & Comp Endocrinol* 27 (3): 371-379. Ref. Nov 1975

033908 450 G282
Preliminary studies on polymorphism of hemopexins in blood serum of Large White Polish pigs. Kawecki, A M; Klemke, A; Przytulski, T *Genet Pol* 16 (2): 209-212. 1975

033909 QC795.H4
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [selenium isotopes] in the mouse, rat, monkey and dog. Furchner, J E; London, J E; Wilson, J S *Health Phys* 29 (5): 641-648. Ref. Nov 1975

033910 QC795.H4
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and strontium-yttrium isotope]-labeled Beagle humeri [Dogs]. Momeni, M H; Williams, R J R; Fisher, G L; Rosenblatt, L S *Health Phys* 30 (1): 21-34. Ref. Jan 1976

033911 QC795.H4
Removal of inhaled 239PuO2 [plutonium dioxide isotope] from beagle dogs by pulmonary lavage. McDonald, K E; Park, J F; Dagle, G E; Sanders, C L; Olson, R J *Health Phys* 29 (5): 804-805. Ref. Nov 1975

033912 QC795.H4
Studies of injected 237Pu(IV) [plutonium isotope] citrate in Beagles [Dogs]. Lloyd, R D; Atherton, D R; McFarland, S S; Mays, C W; Stevens, W; Williams, J L; Taylor, G N *Health Phys* 30 (1): 47-52. Jan 1976

033913 QC795.H4
The subcellular distribution of 239Pu [plutonium isotopes] in rat liver parenchymal cells after exposure in vivo and invitro. Gurney, J R; Taylor, D M *Health Phys* 29 (5): 655-661. Ref. Nov 1975

033914 QC795.H4
Thicknesses of the deposits of plutonium and radium at bone surfaces in the beagle [Dogs]. Schlenker, R A; Marshall, J H *Health Phys* 29 (5): 649-654. Nov 1975

033915 QC795.H4
90SR-90Y [strontium-yttrium isotope] dose distribution in Beagles: injection relative to ingestion [Dogs]. Momeni, M H; Jow, N; Bradley, E *Health Phys* 30 (1): 3-19. Ref. Jan 1976

033916 100 AL1H
Intermittent light speeds broiler growth and improves efficiency [Chickens]. McDaniel, G R; Brewer, R N; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 9. Winter 1975

033917 QH611.A1H58
Carboxylic ester hydrolases in the thyroid gland of the guinea-pig. A light microscopic study. Kirkeby, S *Histochem J* 8 (1): 25-34. Ref. Jan 1976

033918 QH611.A1H58
The effects of ductal ligation on the parenchyma of salivary glands of cat studied by enzyme histochemical methods. Harrison, J D; Garrett, J R *Histochem J* 8 (1): 35-44. Ref. Jan 1976

033919 384 Z38
CD spectral comparison of porcine proinsulin C-peptide and several fragments of its sequence. Wollmer, A; Vogt, H P; Naithani, V K; Zahn, H *Hoppe Seylers Z Physiol Chem* 356 (10): 1655-1657. Ref. Oct 1975

033920 384 Z38
Isolation and characterization of type III collagen from chick skin. Herrmann, H; Mark, K von der *Hoppe Seylers Z Physiol Chem* 356 (10): 1605-1612. Ref. Oct 1975

033921 384 Z38
Oxidative deamination of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. Kusche, J; Lorenz, W; Schmidt, J *Hoppe Seylers Z Physiol Chem* 356 (10): 1485-1496. Ref. Oct 1975

033922 384 Z38
Synthesis and biological activity of some cystine peptides from the active center of the basic trypsin inhibitor from bovine organs (Kunitz-Inhibitor). (Ger) Weber, U; Schmid, H *Hoppe Seylers Z Physiol Chem* 356 (10): 1505-1515. Ref. Eng. Sum. Oct 1975

033923 384 Z38
The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. (Ger) Hochstrasser, K; Fritz, H *Hoppe Seylers Z Physiol Chem* 356 (10): 1659-1662. Ref. Eng. Sum. Oct 1975

033924 448.3 IM62
Isolation and physico-chemical characterization of bovine serum and colostral immunoglobulin G (IgG) subclasses. Tewari, U J; Mukkur, T K S *Immunochemistry* 12 (12): 925-930. Ref. Dec 1975

033925 448.3 IM62
Some properties of IgG [immunoglobulin G1] and IgG2 [immunoglobulin G2] globulins from normal and adjuvant stimulated guinea-pigs. Stewart-Tull, D E S; Arbuthnott, J P; Freer, J H *Immunochemistry* 12 (12): 941-947. Ref. Dec 1975

033926 QL961.E4
Do animal and plant tools raise problems which are inherent? (Fre) Tetry, A *In Embryologie Chimique et Experimentale Resultats Recents Livre Jubilaire Offert a E. Wolff* P. 397-400. Ref. Eng. Sum. 1975

033927 QP571.I5 1975
Neutralization of pheromones by antisera in pigs. Claus, R *In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium* P. 189-198. 1975

033928 SF95.C63 1974
Utilisation of pyrethrum wste products as a livestock feed [Cattle]. Were, H R *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 147-150. 1974 (Pub. 1975)

033929 QP187.7.A1A4
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in dog salivary glands. Martinez, J R *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 626-640. Ref. 1973 (Pub. 1974)

033930 QP187.7.A1A4
Adenylate cyclase and phosphodiesterase in rat pancreas. Bonting, S L; Pont, J J H H M de *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 363-378. Ref. 1973 (Pub. 1974)

033931 QP187.7.A1A4
An alternative model for isosmotic water transport [across low resistance epithelia]. Leyssac, P P; Frederiksen, O *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 432-448. Ref. 1973 (Pub. 1974)

033932 QP187.7.A1A4
Cation and anion permeability of rabbit submaxillary main duct. Fromter, E; Gebler, B; Schopow, K; Pockrandt-Hemstedt, H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 496-513. Ref. 1973 (Pub. 1974)

033933 QP187.7.A1A4
Current knowledge on the energy metabolism and the secretory mechanism of the eccrine sweat glands. Sato, K *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 588-607. Ref. 1973 (Pub. 1974)

033934 QP187.7.A1A4
Ductal reabsorption of Na [sodium] in 1:1 exchange for K [potassium] in sheep parotid gland. Thaysen, J H; Tarding, F *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 464-473. Ref. 1973 (Pub. 1974)

033935 QP187.7.A1A4
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by perfused main duct of rat submaxillary gland. Schneyer, L H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 514-534. Ref. 1973 (Pub. 1974)

033936 QP187.7.A1A4
Effects of ouabain on two types of active cation transport in the cat submandibular gland. Poulsen, J H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 570-587. Ref. 1973 (Pub. 1974)

033937 QP187.7.A1A4
Electrogenic sodium pump in exocrine gland cells. Peterson, O H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 474-486. Ref. 1973 (Pub. 1974)

033938 QP187.7.A1A4
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ [potassium] across rat submaxillary duct epithelium. Knauf, H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 535-548. Ref. 1973 (Pub. 1974)

033939 QP187.7.A1A4
Intracellular control mechanisms regulating secretion by exocrine and endocrine glands. Williams, J A *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 389-407. Ref. 1973 (Pub. 1974)

033940 QP187.7.A1A4
Mechanisms of action of neutrotransmitters and their analogues on salivary duct electrolyte transport. Martin, C J; Denniss, A R; Ende, Z H; Young, J A *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 549-569. Ref. 1973 (Pub. 1974)

033941 QP187.7.A1A4
Preliminary observations on the permeability of submandibular glands to horseradish peroxidase in rabbits. Garrett, J R; Parsons, P A *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 487-495. 1973 (Pub. 1974)

033942 QP187.7.A1A4
Spontaneous secretion in the rabbit submaxillary gland. Smaje, L H *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 608-625. Ref. 1973 (Pub. 1974)

033943 QP187.7.A1A4
The acinar ion and water transport processes in exocrine glands. Ullrich, K J *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 423-431. Ref. 1973 (Pub. 1974)

033944 QP187.7.A1A4
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and enzyme secretion by the pancreas [Cyclic adenosine monophosphate]. Scratcherd, T *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 379-388. Ref. 1973 (Pub. 1974)

033945 QP187.7.A1A4
The kinetics of Na [sodium] transport in the isolated perfused rat submaxillary main duct. Young, J A; Field, M J *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 449-463. Ref. 1973 (Pub. 1974)

033946 QP187.7.A1A4
The role of calcium and of cyclic AMP [adenosine monophosphate] in pancreatic secretory processes. Case, R M *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 344-362. Ref. 1973 (Pub. 1974)

033947 QP187.7.A1A4
A Ca++ [calcium ions] ionophore A 23 187 simulating hormone and neurotransmitter action in the rat parotid and pancreas glands. Selinger, Z; Eimerl, S; Savion, N; Schramm, M *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 68-87. Ref. 1973 (Pub. 1974)

033948 QP187.7.A1A4
Autonomic regulation of secretory activity and growth responses of rat parotid gland. Schneyer, C A *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 42-67. Ref. 1973 (Pub. 1974)

033949 QP187.7.A1A4
Bioelectrical properties of secretory cells. Matthews, E K *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 185-198. Ref. 1973 (Pub. 1974)

033950 QP187.7.A1A4
Breakdown of phosphatidylinositol in the pancreas in response to pancreozymin and acetylcholine. Hokin, M R *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 101-115. Ref. 1973 (Pub. 1974)

033951 QP187.7.A1A4
Control of kallikrein secretion from salivary glands. Gautvik, K M; Kriz, M; Lund-Larsen, K; Nustad, K *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 168-182. Ref. 1973 (Pub. 1974)

033952 QP187.7.A1A4
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and mast cells, calcium and calcium ionophores [Posterior pituitary hormones]. Douglas, W W *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 116-136. Ref. 1973 (Pub. 1974)

033953 QP187.7.A1A4
Innervation of salivary glands, morphological considerations [Rabbits]. Garrett, J R *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 17-28. Ref. 1973 (Pub. 1974)

033954 QP187.7.A1A4
Membrane potential changes and secretion in parotid glands. Fritz, M E *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 230-253. Ref. 1973 (Pub. 1974)

033955 QP187.7.A1A4
Membrane potential and conductance measurements in mouse and rat pancreatic acinar cells. Nishiyama, A; Peterson, O H *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 267-277. Ref. 1973 (Pub. 1974)

033956 QP187.7.A1A4
On secretory proceses and membrane potential of dogs submaxillary gland. Imai, Y *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 199-215. Ref. 1973 (Pub. 1974)

033957 QP187.7.A1A4
Relation between amylase release and changes in electrophysiological and morphological properties of cells in the exocrine pancreas. Kanno, T *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 278-301. Ref. 1973 (Pub. 1974)

033958 QP187.7.A1A4
Role of calcium in secretory processes. Thorn, N A *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 305-330. Ref. 1973 (Pub. 1974)

033959 QP187.7.A1A4
Secretory potentials in cat, rabbit and mouse salivary glands. Nishiyama, A; Petersen, O H *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 216-229. Ref. 1973 (Pub. 1974)

033960 QP187.7.A1A4
Secretory potentials in cat and possum [Salivary glands]. Creed, K E *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 254-266. Ref. 1973 (Pub. 1974)

033961 QP187.7.A1A4
Stimulatory processes of the exocrine pancreas and their inhibition by a non-penetrating SH [sulfhydryl]-reagent. Schulz, I; Pederson, R; Wizemann, V; Kondo, S *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 88-98. 1973 (Pub. 1974)

033962 QP187.7.A1A4
The electrokinetic properties of isolated secretroy particles [Exocytosis]. Dean, P M *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 152-167. Ref. 1973 (Pub. 1974)

033963 QP187.7.A1A4
The membrane of secretory granules: structure, composition and turnover. Meldolesi, J; De Camilli, P; Peluchetti, D *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 137-151. Ref. 1973 (Pub. 1974)

033964 QP187.7.A1A4
The physiology of the salivary myoepithelial cells. Emmelin, N; Gjorstrup, P *In Secretory Mechanisms of Exocrine Glands Proceedings of the Alfred Benzon Symposium* 7th: 29-41. Ref. 1973 (Pub. 1974)

033965 44.8 IN28
Citric acid uptake by rumen tissue. Prashad, V L; Arora, S P *Indian J Dairy Sci* 28 (4): 308-310. Dec 1975

033966 44.8 IN28
Studies on histamine concentrations in milk and blood in health and clinical mastitis in buffaloes and cows. Gupta, G C; Joshi, B P; Rai, P *Indian J Dairy Sci* 28 (4): 310-312. Ref. Dec 1975

033967 44.8 IN28
Variation in birth weight due to season of calving in different filial groups of Brown Swiss crossbred calves. Chauhan, R S; Mishra, R R; Bhatnagar, D S *Indian J Dairy Sci* 28 (4): 312-314. Dec 1975

033968 442.8 IN2
Beta-adrenergic receptors in vas deferens of guineapigs. Deshpande, V R; Vaidya, M; Jagtap, M K; Paranjpe, B D *Indian J Exp Biol* 13 (4): 358-359. July 1975

033969 442.8 IN2
Effect of certain nuerohumors on thyroid gland [Chickens]. Gautam, A; Prasad, G C; Udupa, K N *Indian J Exp Biol* 13 (4): 346-349. Ref. July 1975

033970 442.8 IN2
Effect of chronic nicotine administration on the intestinal mucosal alkaline phosphatase in rats. Shankar, R *Indian J Exp Biol* 13 (4): 360-362. July 1975

033971 442.8 IN2
Proteinases in rat epididymis & testis. Nag, S; Sarkar, D; Ghosh, J J *Indian J Exp Biol* 13 (4): 350-352. Ref. July 1975

033972 442.8 IN2
Serological relationship of taxonomically closely related domestic ruminants: cattle, buffalo, sheep & goat. Pandey, R; Pathak, R C *Indian J Exp Biol* 13 (4): 371-374. Ref. July 1975

033973 442.8 IN2
Studies on epinephrine & carbachol induced metabolic changes in Bubalus bubalis [Buffalo calves]. Kumar, N G; Bahga, H S *Indian J Exp Biol* 13 (4): 405-407. Ref. July 1975

033974 448.8 IN22
Effect of dl-norgestrel (13beta-ethyl-17 alpha-ethynyl-19-nortestosterone, Wy3707) on the reproductive organs of rabbit. Dasgupta, P R; Pande, J K; Srivastava, A K *Indian J Med Res* 63 (10): 1413-1417. Ref. Oct 1975

033975 SF481.I55
What body weight for laying hens. Quisenberry, J H *Indian Poult Rev* 7 (L): 67-72. Aug 15, 1975

033976 41.8 IN2
Carbohydrate tolerance test in buffalo calves under normal and stress situations. Singh, A P; Manohar, M; Nigam, J M; Tyagi, R P S *Indian Vet J* 52 (9): 694-698. Ref. Sept 1975

033977 41.8 IN2
Effect of melengestrol acetate on the hematology of buffalo calves. Sud, S C *Indian Vet J* 52 (9): 691-693. Ref. Sept 1975

033978 41.8 IN2
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, plasma protein and cholesterol concentration in White Leghorn and Australorp cockerels. Singh, N; Tomar, S S; Arneja, D V *Indian Vet J* 52 (12): 919-922. Ref. Dec 1975

033979 41.8 IN2
Experimental studies on autogenous skin grafting in bovine [Cattle]. Singh, D P; Khan, A A *Indian Vet J* 52 (9): 703-706. Ref. Sept 1975

033980 41.8 IN2
Macroscopic observations on pituitary gland of Indian buffalo (Bos bubalis). Ganguli, A; Yadava, R C P *Indian Vet J* 52 (12): 933-935. Dec 1975

033981 41.8 IN2
Radiographic evaluation of gastrointestinal tract in buffaloes calves by barium meal study. Bhargava, A K; Vig, M M *Indian Vet J* 52 (12): 936-938. Ref. Dec 1975

033982 41.8 IN2
Studies on erythrocyte sedimentation rate in buffaloes. I. Evaluation of various techniques. Kohli, R N; Singh, S; Singh, M *Indian Vet J* 52 (12): 915-918. Dec 1975

033983 41.8 IN2
The arterial supply to the salivary gland of Black Bengal goat. Hossain, M I *Indian Vet J* 52 (9): 699-702. Sept 1975

033984 QD415.A115
Developmental changes of AMP-deaminase activity in chick heart muscle. Purzycka-Preis, J; Wrzolkowa, T; Pawlak-Byczkowska, E; Zydowo, M *Int J Biochem* 6 (12): 885-887. Ref. Dec 1975

033985 QD415.A115
Different regulation of hepatic ketogenesis during starvation in rats and pigeons. Soling, H D; Mewes, W; Unger, G; Kuhn, A *Int J Biochem* 6 (12): 867-870. Ref. Dec 1975

033986 QD415.A115
Glutathione polymorphism in the sheep red blood cells. Agar, N S *Int J Biochem* 6 (12): 842-852. Ref. Dec 1975

033987 QD415.A115
Purification and properties of bovine uterine glutamic dehydrogenase: a comparison with the liver enzyme. Lant, N C Y; Frieden, E H; Rawitch, A B *Int J Biochem* 6 (12): 871-875. Ref. Dec 1975

033988 QD415.A115
Species differences in erythrocyte glutathione reduction rates after oxidation with t-butyl hydroperoxide [Sheep, goats, dogs, horses]. Mahaffey, E; Smith, J E *Int J Biochem* 6 (12): 853-854. Ref. Dec 1975

033989 QD415.A115
The influence of fat mobilizing substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic acid metabolism in the laying hen. Balnave, D *Int J Biochem* 6 (12): 911-918. Ref. Dec 1975

033990 442.8 M66
On the participation of the diaphragm nerve of swine in the innervation of certain organs. (Bel) Tkachou, A A *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 69-72. Ref. 1975

033991 442.8 M66
Proteins of poultry blood at different ontogenetic periods and in connection with the use of biologically active substances. (Bel) Savunova, M I *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 61-64. 1975

385 AG8
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria [Escherichia coli] from the feces of sheep. (Jpn) Tamari, M; Horiguchi, M; Kandatsu, M *J Agric Chem Soc Jap* 49 (12): 653-659. Ref. Eng. Sum. Dec 1975

033992 385 AG8
Vitamin B12 binding protein purified from the acid soluble fraction of chick embryo. (Jpn) Shimabayashi, Y; Matsumoto, T *J Agric Chem Soc Jap* 49 (12): 635-640. Ref. Eng. Sum. Dec 1975

033993 10 J822
A note on the difference between blood urea of buffalo and cow calves. Mehra, U R; Nath, K; Ranjhan, S K; Chetal, U *J Agric Sci (Camb)* 86 (1): 45-48. Feb 1976

033994 10 J822
Differences in the concentration of certain blood constituents among cows in a dairy herd. Kitchenham, B A; Rowlands, G J *J Agric Sci (Camb)* 86 (1): 171-197. Ref. Feb 1976

033995 10 J822
The effects of temperature and relative humidity on the thermoregulatory responses of grouped and isolated neonate chicks. Misson, B H *J Agric Sci (Camb)* 84 (1): 35-43. Feb 1976

033996 447.8 J826
Immunoglobulin-containing cells in pig mammary gland. Brown, P J; Bourne, F J; Denny, H R *J Anat* 120 (2): 329-335. Ref. Nov 1975

033997 447.8 J826
The effects of muscle cooling and stretch on muscle spindle secondary endings in the cat. Michalski, W J; Seguin, J J *J Anat* 253 (2): 341-356. Ref. Dec 1975

033998 447.8 J826
The growth of muscle following tenotomy [Rabbits]. Crawford, G N C *J Anat* 120 (2): 581-593. Ref. Dec 1975

033999 447.8 J826
The occurrence of lipid in the oxyntico-peptic cells of the proventriculus of the fasting domestic fowl [Chickens]. Wight, P A L *J Anat* 120 (3): 485-494. Ref. Dec 1975

034000 49 J82
Effects of group size and of negative air ionization on performance of growing-finishing swine. Jensen, A H; Curtis, S E *J Anim Sci* 42 (1): 8-11. Ref. Jan 1976

034001 49 J82
Factors affecting progesterone concentration in cow's milk and dairy products. Ginther, O J; Nuti, L C; Garcia, M C; Wentworth, B C; Tyler, W J *J Anim Sci* 42 (1): 155-159. Jan 1976

034002 49 J82
In vitro absorption of amino acids by the small intestine of sheep. Phillips, W A; Webb, K E Jr; Fontenot, J P *J Anim Sci* 42 (1): 201-207. Ref. Jan 1976

034003 49 J82
In vitro steroidogenesis in porcine corpora lutea. Weiss, J R; Brinkley, H J; Young, E P *J Anim Sci* 42 (1): 121-130. Ref. Jan 1976

034004 49 J82
Longitudinal fascicular growth in the porcine longissimus muscle. Swatland, H J *J Anim Sci* 42 (1): 63-66. Jan 1976

034005 49 J82
Neonatal behavior and nutrition-related mortality in domestic swine [Piglets]. Hartsock, T G; Graves, H B *J Anim Sci* 42 (1): 235-241. Ref. Jan 1976

034006 410 J828
Effects of diethylstilbestrol on feral house mouse (Mus musculus L.) population dynamics under experimental field conditions. Johnson, R F; Barrett, G W *J Appl Ecol* 12 (3): 741-747. Ref. Dec 1975

034007 447.8 J825
"Closing volume" changes in alloxan-induced pulmonary edemain anesthetized dogs. Lemen, R; Jones, J G; Graf, P D; Cowan, G *J Appl Physiol* 39 (2): 235-241. Ref. Aug 1975

034008 447.8 J825
Control of depth and frequency of breathing during baroreceptor stimulation in cats. Grunstein, M M; Derenne, J P; Milic-Emili, J *J Appl Physiol* 39 (3): 395-404. Ref. Sept 1975

034009 447.8 J825
Diaphragmatic activity and lung liquid flow in the unanesthetized fetal sheep. Maloney, J E; Adamson, T M; Brodecky, V; Cranage, S; Lambert, T F; Ritchie, B C *J Appl Physiol* 39 (3): 423-428. Ref. Sept 1975

034010 447.8 J825
Effect of baroreceptor activity on ventilatory response to chemoreceptor stimulation [Dogs]. Heistad, D D; Abboud, F M; Mark, A L; Schmid, P G *J Appl Physiol* 39 (3): 411-416. Ref. Sept 1975

034011 447.8 J825
Effect of hypoxia on immediate ventilatory load response in dogs. Lynne-Davies, P; Bowden, J A; Giles, W *J Appl Physiol* 39 (3): 367-371. Sept 1975

034012 447.8 J825
Effect of lactate on FFA [free fatty acid] and glycerol turnover in resting and exercising dogs. Issekutz, B Jr; Shaw, W A S; Issekutz, T B *J Appl Physiol* 39 (3): 349-353. Ref. Sept 1975

034013 447.8 J825
Effects of dry air and subsequent humidification on tracheal mucous velocity in dogs. Hirsch, J A; Tokayer, J L; Robinson, M J; Sackner, M A *J Appl Physiol* 39 (2): 242-246. Ref. Aug 1975

034014 447.8 J825
Effects of epinephrine on resistive and compliant properties of the canine vasculature. Mitzner, W; Goldberg, H *J Appl Physiol* 39 (2): 272-280. Ref. Aug 1975

034015 447.8 J825
Gas-blood pCO2 [carbon dioxide pressure] gradients during avian gas exchange [Chickens]. Davies, D G; Dutton, R E *J Appl Physiol* 39 (3): 405-410. Ref. Sept 1975

034016 447.8 J825
Integration of chemoreceptor stimuli by rostral brainstem respiratory areas [Cats]. St John, W M; Bond, G C; Pasley, J N *J Appl Physiol* 39 (2): 209-214. Ref. Aug 1975

034017 447.8 J825
Left ventricular dynamics during recovery from exercise [Dogs]. Horwitz, L D; Atkins, J M; Dunbar, S A *J Appl Physiol* 39 (3): 449-452. Ref. Sept 1975

034018 447.8 J825
Motion of both mitral valve leaflets: a cineroentgenographic study in intact dogs. Tsakiris, A G; Gordon, D A; Mathieu, Y; Lipton, I *J Appl Physiol* 39 (3): 359-366. Ref. Sept 1975

034019 447.8 J825
Postnatal development of pyrogenic sensitivity in guinea pigs. Blatteis, C M *J Appl Physiol* 39 (2): 251-257. Ref. Aug 1975

034020 447.8 J825
Relationship between turnover rate and blood concentration of lactate in exercising dogs. Eldridge, F L *J Appl Physiol* 39 (2): 231-234. Ref. Aug 1975

034021 447.8 J825
Renal blood flow distribution during steady-state exercise and exhaustion in conscious dogs. Delgado, R; Sanders, T M; Bloor, C M *J Appl Physiol* 39 (3): 475-478. Ref. Sept 1975

034022 447.8 J825
Stability in lobar ventilation distribution during change in thoracic configuration [Dogs]. Minh, V D; Dolan, G F; Kurihara, N; Friedman, P J; Konopka, R G; Moser, K M *J Appl Physiol* 39 (3): 462-468. Sept 1975

034023 385 J822
Comparison of the catalytic properties of [bovine] thrombin and trypsin by kinetic analysis on the basis of active enzyme concentration. Takasaki, S I; Kasai, K I; Ishii, S I *J Biochem (Tokyo)* 78 (6): 1275-1285. Ref. Dec 1975

034024 385 J822
Control of rabbit liver fructose-1, 6-diphosphatase activity by magnesium ions. Tashima, Y; Yoshimura, N *J Biochem (Tokyo)* 78 (6): 1161-1169. Ref. Dec 1975

034025 385 J822
Developmental changes in the structure and kinetic properties of myosin adenosinetriphosphatase of rabbit skeletal fast muscle. Takahashi, M; Tonomura, Y *J Biochem (Tokyo)* 78 (6): 1123-1133. Ref. Dec 1975

034026 385 J822
Effect of sodium dodecyl sulfate on the dissociation of bovine liver catalase. Takeda, A; Hachimori, A; Murai, M; Sato, K; Samejima, T *J Biochem (Tokyo)* 78 (5): 911-924. Ref. Nov 1975

034027 385 J822
Isolation and characterization of a sulfated glycoprotein from rabbit uterus. Endo, M; Yosizawa, Z *J Biochem (Tokyo)* 78 (5): 873-878. Ref. Nov 1975

034028 385 J822
Isolation and characterizaton of a ganglioside containing fucose from boar testis. Suzuki, A; Ishizuka, I; Yamakawa, T *J Biochem (Tokyo)* 78 (5): 947-954. Ref. Nov 1975

034029 385 J822
Mitochondrial malate dehydrogenase of bovine cerebrum. Characterization and mechanisms of inhibition by silver ions. Higashida, H; Semba, R K; Niwa, F; Kashiwamata, S *J Biochem (Tokyo)* 78 (5): 989-999. Ref. Nov 1975

034030 385 J822
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by thrombin and the terminal residues of the subunit polypeptides. Nakamura, S; Iwanaga, S; Suzuki, T *J Biochem (Tokyo)* 78 (6): 1247-1266. Ref. Dec 1975

034031 385 J822
Peptic peptides from the beta polypeptide chain of AII component of chicken hemoglobin. Maita, T; Mizuno, K; Matsuda, G *J Biochem (Tokyo)* 78 (6): 1311-1319. Ref. Dec 1975

034032 385 J822
Purification and properties of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 reductase from rabbit liver microsomes. Mihara, K; Sato, R *J Biochem (Tokyo)* 78 (5): 1057-1073. Ref. Nov 1975

034033 385 J822
Tryptic peptides from the beta polypeptide chain of AII component of chicken hemoglobin. Mizuno, K; Maita, T; Ota, H; Matsuda, G *J Biochem (Tokyo)* 78 (6): 1301-1309. Dec 1975

034034 385 J822
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some animals [Dogs, rats, guinea pigs, hens]. Miyazaki, H; Nambu, K; Hashimoto, M *J Biochem (Tokyo)* 78 (5): 1075-1078. Ref. Nov 1975

034035 381 J824
An in vitro of vitamin D2 hydroxylases in the chick. Jones, G; Schnoes, H K; DeLuca, H F *J Biol Chem* 251 (1): 24-28. Ref. Jan 10, 1976

034036 381 J824
Avian mitochondrial glutamine metabolism. Campbell, J W; Vorhaben, J E *J Biol Chem* 251 (3): 781-786. Ref. Feb 10, 1976

034037 381 J824
Biosynthesis of basement membrane collagen by rabbit corneal endothelium in vitro. Kefalides, N A; Cameron, J D; Tomichek, E A; Yanoff, M *J Biol Chem* 251 (3): 730-733. Ref. Feb 10, 1976

034038 381 J824
Disulfide bond-modified trypsinogen: Role of disulfide 179203 on the specificity characteristics of bovine tryspin toward synthetic substrates. Knights, R J; Light, A *J Biol Chem* 25 (1): 222-228. Ref. Jan 10, 1976

034039 381 J824
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. Kirchberger, M A; Tada, M *J Biol Chem* 251 (3): 725-729. Ref. Feb 10, 1976

034040 381 J824
Horse liver aldehyde dehydrogenase: Purification and characterization of two isozymes. Eckfeldt, J; Mope, L; Takio, K; Yonetani, T *J Biol Chem* 25 (1): 236-240. Ref. Jan 10, 1976

034041 381 J824
Leucine aminopeptidase (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. Thompson, G A; Carpenter, F H *J Biol Chem* 25 (1): 53-60. Ref. Jan 10, 1976

034042 381 J824
Ligand binding properties of horse hemoglobins containing deutero- and mesoheme. Seybert, D W; Moffat, K; Gibson, Q H *J Biol Chem* 25 (1): 45-52. Jan 10, 1976

034043 381 J824
Separation and characterization of the troponin components from bovine cardiac muscle. Brekke, C J; Greaser, M L *J Biol Chem* 251 (3): 866-871. Ref. Feb 10, 1976

034044 444.8 J822
A mechanical dissociation method for preparation of muscle cell cultures [Chick embryos]. Tepperman, K; Morris, G; Essien, F; Heywood, S M *J Cell Physiol* 86 (3): 561-565. Ref. Dec 1975

034045 444.8 J822
Development of excitability in embryonic chick skeletal muscle cells. Kano, M *J Cell Physiol* 86 (3): 503-510. Ref. Dec 1975

034046 444.8 J822
Polysomes from cultured muscle cells: the cell-free synthesis of myosin [Chick embryos]. Tepperman, K; Essien, F; Heywood, S M *J Cell Physiol* 86 (3): 553-560. Ref. Dec 1975

034047 444.8 J822
Stimulation of lactic acid production in chick embryo fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. Fodge, D W; Rubin, H *J Cell Physiol* 86 (3): 453-457. Ref. Dec 1975

034048 QH301.J6
Fine structure of chicken thymic epithelial vesicles. Isler, H *J Cell Sci* 20 (1): 135-147. Plates. Ref. Jan 1976

034049 475 J824
Thin-layer chromatographic assays of histamine and its metabolites in urine of man and dog. Schwartzman, R M; Halliwell, R E W *J Chromatogr* 115 (1): 129-138. Ref. Dec 10, 1975

034050 QP625.N89J6
Oppositional effects of acetylcholine and isoproterenol on isometric tension and cyclic nucleotide concentrations in rabbit atria. George, W J; Ignarro, L J; Paddock, R J; White, L; Kadowitz, P J *J Cyclic Nucleotide Res* 1 (6): 339-347. Ref. 1975

034051 442.8 J829
Cell proliferation in the developing wing-bud of normal and talpid3 mutant chick embryos. Ede, D A; Flint, O P; Teague, P *J Embryol Exp Morphol* 34 (3): 589-607. Ref. Dec 1975

034052 442.8 J829
Histological aspects of the effects of vinblastine on the morphogenesis of the foot of the chick embryo. (Fre) Kieny, M *J Embryol Exp Morphol* 34 (3): 609-632. Ref. Eng. Sum. Dec 1975

034053 442.8 J829
Morphogenesis of intestinal villi. II. Mechanism of formation of previllous ridges [Chick embryos]. Burgess, D R *J Embryol Exp Morphol* 34 (3): 723-740. Ref. Dec 1975

034054 448.8 J8293
Electrical stimulation of the hypothalamus and luteinizing hormone secretion in Japanese quail. Davies, D T; Follett, B K *J Endocrinol* 67 (3): 431-438. Ref. Dec 1975

034055 448.8 J8293
Enzyme activity in kidney, adrenal and gonadal tissue of rats treated neonatally with androgen or oestrogen. Ghraf, R; Hoff, H G; Lax, E R; Schriefers, H *J Endocrinol* 67 (3): 317-326. Ref. Dec 1975

034056 448.8 J8293
Potentiation by urethane and inhibition by pentobarbitone of oxytocin release in vitro [Rats]. Dyball, R E J *J Endocrinol* 67 (3): 453-458. Ref. Dec 1975

034057 448.8 J8293
Protein binding of plasma cortisol in the foetal lamb near term. Fairclough, R J; Liggins, G C *J Endocrinol* 67 (3): 333-341. Ref. Dec 1975

034058 410 J825
Behavioral adaptation in neonatal chicks following embryonic vestibular system rearrangement. Heaton, M B *J Exp Zool* 194 (3): 495-510. Ref. Dec 1975

034059 410 J825
The ubiquitous occurrence of chondroitin sulfates in chick embryos. Abrahamsohn, P A; Lash, J W; Kosher, R A; Minor, R R *J Exp Zool* 194 (3): 511-518. Ref. Dec 1975

034060 448.3 J823
Studies on the rumen flagellate Neocallimastix frontalis. Orpin, C G *J Gen Microbiol* 91 (Pt. 2): 249-262. Ref. Dec 1975

034061 448.3 J823
Ureolytic bacteria in sheep rumen. Wyk, L van; Steyn, P L *J Gen Microbiol* 91 (Pt. 2): 225-232. Ref. Dec 1975

034062 447.8 J822
Kinetics of 3-O-methyl glucose transport in red blood cellsof newborn pigs. Zeidler, R B; Lee, P; Kim, H D *J Gen Physiol* 67 (1): 67-80. Ref. Jan 1976

034063 447.8 J822
Ultraviolet-induced alterations of beat rate and electrical properties of embryonic chick heart cell aggregates. Nathan, R D; Pooler, J P; DeHaan, R L *J Gen Physiol* 67 (1): 27-44. Ref. Jan 1976

034064 Q176.J6
The influence of seasonal changes in light on hormones in normal cats and in cats with lesions of the superior colliculi and pretectum. Randall, W; Swenson, R; Parsons, V; Elbin, J; Trulson, M *J Interdis Cycle Res* 6 (4): 253-265. Ref. Dec 1975

034065 440.9 R81J
The ultrastructural localization of calcium in the avian shell gland [Chickens]. Solomon, S E; Fryer, J R; Baird, T *J Microsc (Lond)* 105 (2): 215-222. Ref. Nov 1975

034066 442.8 J8224
Co-ordinate synthesis of ribosomes and elongation factors in the liver of immature chicks following a metabolic shift-up. Smith, R L; Baca, O; Gordon, J *J Mol Biol* 100 (2): 115-126. Ref. Jan 15, 1976

034067 442.8 J8224
The structure of triclinic [of the hen egg-white] lysozyme at 2.5 A [angstrom] resolution. Moult, J; Yonath, A; Traub, W; Smilansky, A; Podjarny, A; Rabinovich, D; Saya, A *J Mol Biol* 100 (2): 179-195. Ref. Jan 15, 1976

034068 444.8 J826
A brachial glycogen body in the spinal cord of the domestic chicken. Sansone, F M; Lebeda, F J *J Morphol* 148 (1): 23-31. Ref. Jan 1976

034069 444.8 J826
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and rheusus monkey heart. Walker, S M; Schrodt, G R; Currier, G J *J Morphol* 147 (4): 457-474. Ref. 1975

034070 444.8 J826
Evolution of the mammalian middle ear. Allin, E F *J Morphol* 147 (4): 403-438. Ref. 1975

034071 447.8 J82
Analysis of activity of muscle spindles of the jaw-closing muscles during normal movements in the cat. Cody, F W J; Harrison, L M; Taylor, A *J Physiol* 253 (2): 565-582. Ref. Dec 1975

034072 447.8 J82
Catecholamine release from bovine adrenal medulla in response to maintained depolarization. Baker, P F; Rink, T J *J Physiol* 253 (2): 593-620. Ref. Dec 1975

034073 447.8 J82
Effects of divalent cations and of catecholamines on the late response of the superior cervical ganglion [Dogs]. Chen, S S *J Physiol* 253 (2): 443-457. Ref. Dec 1975

034074 447.8 J82
Increase by visual stimuli in turnover of 5-hydroxytryptamine in the superior colliculi of the rabbit. Fukui, K; Vogt, M *J Physiol* 254 (2): 519-529. Ref Jan 1976

034075 447.8 J82
Milk secretion in the rabbit: Changes during lactation and the mechanism of ion transport. Peaker,; Taylor, J C *J Physiol* 253 (2): 527-545. Ref. Dec 1975

034076 447.8 J82
Some central mechanisms of thirst in the dog. Ramsay, D J; Reid, I A *J Physiol* 253 (2): 517-525. Ref. Dec 1975

034077 447.8 J82
The contractile properties of slow muscle fibres in sheep extraocular muscle. Browne, J S *J Physiol* 254 (2): 535-550. Ref. Jan 1976

034078 447.8 J82
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. Blair, E L; Grund, E R; Reed, J D; Sanders, D J; Sanger, G; Shaw, B *J Physiol* 253 (2): 493-504. Ref. Dec 1975

034079 447.8 J82
The effects of prolactin and oxytocin on milk secretion and on the permeability of the mammary epithelium in the rabbit. Linzell, J L; Peaker, M; Taylor, J C *J Physiol* 253 (2): 547-563. Ref. Dec 1975

034080 447.8 J82
The slow wave in the circular muscle of the guinea-pig stomach. Ohba, M; Sakamoto, Y; Tomita, T *J Physiol* 253 (2): 505-516. Ref. Dec 1975

034081 447.8 J823
Experimental studies on the annual cycles of thyroid and adrenocortical functions in relation to the reproductive cycle of drakes. Assenmacher, I; Astier, H; Daniel, J Y; Jallageas, M *J Physiol (Paris)* 70 (5): 507-520. Ref. Eng. Sum. 1975

034082 QP1.N5
Changes of peripheral leukocyte-counts by electrically induced convulsion in rabbits. (Jpn) Toyosawa, K *J Psychol Soc Jap* 37 (10): 297-306. Ref. Eng. Sum. Oct 1975

034083 41.8 SO8
A method for the in vitro study of drug transfer across ruminal epithelium. Jenkins, W L; Davis, L E *J S Afr Vet Assoc* 46 (2): 153-160. Ref. June 1975

034084 41.8 SO8
Haemoglobin types in African cattle. Osterhoff, D R *J S Afr Vet Assoc* 46 (2): 185-189. Ref. June 1975

034085 442.8 J8223
A model for the regulation of growth in mammalian cells. Alberghina, F A M *J Theor Biol* 55 (2): 533-545. Ref. Dec 1975

034086 440.8 J822
Freeze-fracture morphology of gap junctions in the trophoblast of the mouse embryo. Arguello, C; Martinez-Palomo, A *J Ultrastruct Res* 53 (3): 271-283. Ref. Dec 1975

034087 49 N62
Changes of volatile fatty acids and riboflavin in cecal contents of rabbit in the in vitro fermentation. (Jpn) Yoshida, T; Nakatani, K; Kandatsu, M *Jap J Zootech Sci* 46 (11): 614-620. Ref. Eng. Sum. Nov 1975

034088 49 N62
Influence of rumen ciliate protozoa on the concentration of free amino acids in the rumen fluids. (Jpn) Itabashi, H; Kandatsu, M *Jap J Zootech Sci* 46 (11): 600-606. Ref. Eng. Sum. Nov 1975

034089 49 N62
On the relationship between activity of rumen microbes and cobalt level in the culture medium [Goats]. (Jpn) Mori, B; Kandatsu, M *Jap J Zootech Sci* 46 (10): 558-564. Ref. Eng. Sum. Oct 1975

034090 49 N62
Relationship of serum transferrin type to meat productivity of Japanese Black cattle. (Jpn) Yamamoto, Y *Jap J Zootech Sci* 46 (11): 656-657. Ref. Nov 1975

034091 49 N62
The rhythm of milk yield in dairy cattle [Lactation curve]. (Jpn) Manda, M; Miura, T; Hachiya, Y *Jap J Zootech Sci* 46 (11): 607-613. Ref. Eng. Sum. Nov 1975

034092 47.8 N57
Effect of ceca removal on water absorption in chickens. (Jpn) Isshiki, Y; Nakahiro, Y *Jap Poult Sci* 12 (6): 271-273. Eng. Sum. Nov 1975

034093 47.8 N57
In vitro release of gonadotropins from the pituitary of cocks by an analogue of luteinizing hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. Tanaka, K; Kamiyoshi, M; Shimizu, M; Yoshioka, S *Jap Poult Sci* 12 (6): 274-276. Nov 1975

034094 47.8 N57
Presence of an oviposition-inducing substance in the anterior lobe of pituitary of the chicken. Tanaka, K; Kamiyoshi, M *Jap Poult Sci* 12 (6): 280-281. Nov 1975

034095 47.8 N57
Release of FSH [follicle-stimulating hormone] from the pituitary of the hen following an injection of progesterone. Kamiyoshi, M; Tanaka, K *Jap Poult Sci* 12 (6): 277-279. Ref. Nov 1975

034096 S19.J3
Characteristics aspects of iron metabolism in piglets. Furugouri, K *JARQ (Jap Agric Res Q)* 9 (3): 171-176. Ref. July 1975

034097 410.9 P94
Capillary tube urinalysis for small [laboratory] animals. Hayashi, S; Sakaguchi, T *Lab Anim Sci* 25 (6): 781-782. Dec 1975

034098 410.9 P94
Plasma hemoglobin determination in Beagle dogs. An adaptation of the method of Crosby and Furth. Langdon, J; Villafranca, S *Lab Anim Sci* 25 (6): 778-780. Dec 1975

034099 Q183.L3
The artificial rumen. Czerkawski, J W *Lab Pract* 25 (1): 15-20. Ref. Jan 1976

034100 442.8 L62
Cysteine sulfinate carboxylase in the visual pathway of adult chicken. Mathur, R L; Klethi, J; Ledig, M; Mandel, P *Life Sci* 18 (1): 75-79. Ref. Jan 1, 1976

034101 442.8 L62
Incorporation of (3H) [tritium]-arachidonic acid into cattle retina lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. Bazan, H E P de; Bazan, N G *Life Sci* 17 (11): 1671-1677. Ref. Dec 1, 1975

034102 448 G253
Laboratory animals in aging studies. Getty, R; Ellenport, C R *Methods Anim Exp* 5: 41-179. Ref. 1974

034103 448 G253
Use of laboratory animals in artificial organ research. Klain, M; Nose, Y *Methods Anim Exp* 5: 181-380. Ref. 1974

034104 442 P92
Measurement of protein turnover in animal cells. Doyle, D; Tweto, J *Methods Cell Biol* 10: 235-260. Ref. 1975

034105 QP901.M6
A fluorescent probe study of the lipid mobility of membranes containing sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. Charnock, J S; Bashford, C L *Mol Pharmacol* 11 (6): 766-774. Ref. Nov 1975

034106 QP901.M6
Phosphodiesterases from porcine coronary arteries: inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. Wells, J N; Wu, Y J; Baird, C E; Hardman, J G *Mol Pharmacol* 11 (6): 775-783. Ref. Nov 1975

034107 QP901.M6
Purification of liver microsomal cytochrome P-448 from 3-methylcholanthrene-treated rabbits. Kawalek, J C; Levin, W; Ryan, D; Thomas, P E; Lu, A Y H *Mol Pharmacol* 11 (6): 874-878. Ref. Nov 1975

034108 41.8 M742
Studies into stressor action on calf organism in the contest of adjustment after movement to industrialised young cattle breeding unit. (Ger) Verter, W; Leunert, G; Tegeler, G; Fischer, A R *Monatsh Veterinarmed* 30 (20): 775-780. Ref. Eng. Sum. Oct 15, 1975

034109 443.8 M98
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and peritoneum of rats. Fahrig, R *Mutat Res* 31 (6): 381-393. Dec 1975

034110 472 N21
Effect of prostaglandin synthesis on renal function and renin in the dog. Bolger, P M; Eisner, G M; Ramwell, P W; Slotkoff, L M *Nature* 259 (5540): 244-245. Ref. Jan 22, 1976

034111 472 N21
Exposure by phospholipase A of receptors for sheep erythrocytes on human B cells. Hanaumi, K; Abo, T; Kumagai, K *Nature* 259 (5539): 124-126. Ref. Jan 15, 1976

034112 472 N21
Interaction of multiplication-stimulating activity with chick embryo fibroblasts demonstrates a growth receptor. Rechler, M M; Podskalny, J M; Nissley, S P *Nature* 259 (5539): 134-136. Ref. Jan 15, 1976

034113 472 N21
Light inhibits the labelling of gangliosides in chicken retina. Caputto, B L; Maccioni, A H R; Caputto, R *Nature* 257 (5527): 492-493. Oct 9, 1975

034114 474 N213
Identification of glycine in the synaptic vesicles of the bovine cortex. (Ger) Richter-Landsberg, C; Neuhoff, V *Naturwissenschaften* 62 (10): 491-492. Oct 1975

034115 474 N213
Retrograde transport of horseradish peroxidase in afferent and efferent neurons from masseter muscle in the rat. Hinrichsen, C *Naturwissenschaften* 62 (10): 492. Ref. Oct 1975

034116 448.8 AR2
Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. Kaumann, A J; Serur, J R *Nauyn Schmiedebergs Arch Pharmacol* 291 (4): 347-358. Ref. 1975

034117 448.8 AR2
Pupillometric studies in the Beagle dog. Weisse, I; Ganz, H; Knappen, F; Rode, M *Nauyn Schmiedebergs Arch Pharmacol* 291 (4): 385-394. Ref. 1975

034118 448.8 AR2
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal chromaffin granules [Cattle, rabbits, rats]. Balzer, H; Khan, A R *Nauyn Schmiedebergs Arch Pharmacol* 291 (4): 319-333. Ref. 1975

034119 12 N3892
The influence of the method of preservation of forages on the digestion in dairy cows. 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. Tamminga, S *Neth J Agric Sci* 23 (2): 89-103. Ref. 1975

034120 41.8 N813
Growth hormone and somatomedin; a brief review [Swine, chickens]. (Dan) Lund-Larsen, T R *Nord Veterinaermed* 27 (9): 442-447. Eng. Sum. Sept 1975

034121 RB1.P32
Affinity chromatography in the study of [hog renal] renin. (Fre) Devaux, C; Rebourcet, M C; Ducloux, J; Corvol, P; Menard, J *Pathol Biol* 23 (10): 805-808. Ref. Eng. Sum. Dec 1975

034122 RB1.P32
125I [iodine isotope] radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH [bovine parathormone] with high specific activity and without destroying biological activity. (Fre) Cloix, J F; Bader, C A; Monet, J D; Funck-Brentano, J L *Pathol Biol* 23 (10): 827-831. Ref. Eng. Sum. Dec 1975

034123 447.8 AR2
Catecholamine sensitive adenylate cyclase activity in different segments of the rabbit nephron. Chabardes, D; Imbert-Teboul, M; Montegut, M; Clique, A; Morel, F *Pflugers Arch* 361 (1): 9-15. Ref. 1975

034124 447.8 AR2
Changes in chemosensitivity of developing chick muscle fibres in relation to endplate formation. Gordon, T; Vrbova, G *Pflugers Arch* 360 (4): 349-364. Ref. 1975

034125 447.8 AR2
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. Hales, J R S; Fawcett, A A; Bennett, J W *Pflugers Arch* 361 (1): 105-106. Ref. 1975

034126 447.8 AR2
Effect of osmotic pressure on spontaneous afferent discharge in the nerves of the perfused rabbit liver. Andrews, W H H; Orbach, J *Pflugers Arch* 361 (1): 89-94. Ref. 1975

034127 447.8 AR2
Effect of spinal deafferentation on temperature regulation and spinal thermosensitivity in pigeons. Necker, R; Rautenberg, W *Pflugers Arch* 360 (4): 267-299. Ref. 1975

034128 447.8 AR2
Effects of cyanide and doxapram during hypothermia [Dogs]. Ruiz, A V *Pflugers Arch* 361 (1): 75-78. Ref. 1975

034129 447.8 AR2
Effects of cyanide and doxapram during panting [Dogs]. Ruiz, A V *Pflugers Arch* 361 (1): 79-81. Ref. 1975

034130 447.8 AR2
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of fibre populations in fast and slow rabbit muscles. Pette, D; Ramirez, B U; Muller, W; Simon, R; Exner, G U; Hildebrand, R *Pflugers Arch* 361 (1): 1-7. Ref. 1975

034131 447.8 AR2
Na+ and Cl- [sodium and chlorine ions] transepithelial routes in rabbit gallbladder. Tracer analysis of the transports. Cremaschi, D; Henin, S *Pflugers Arch* 361 (1): 33-41. Ref. 1975

034132 447.8 AR2
Neuronal activity in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. Ten Bruggencate, G; Teichmann, R; Weller, E *Pflugers Arch* 360 (4): 301-320. Ref. 1975

034133 447.8 AR2
Neuronal activity in the lateral vestibular nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. Ten Bruggencate, G; Scherer, H; Teichmann, R *Pflugers Arch* 360 (4): 321-336. Ref. 1975

034134 447.8 AR2
New technique of measurement of effective capacity changes of total vascular bed [Dogs]. Suga, H; Numao, Y; Iriuchijima, J *Pflugers Arch* 361 (1): 95-98. Ref. 1975

034135 447.8 AR2
Outflow from the left and the right coronary artery into the coronary sinus in the dog heart in situ. Brunsting, J R; Kampen, E J van; Visser, K R; Zijlstra, W G *Pflugers Arch* 360 (4): 337-348. Ref. 1975

034136 447.8 AR2
Ventilatory acclimatization and csf [cerebrospinal fluid] acid-base balance in carotid chemodenervated dogs at 3550 m. Bouverot, P; Bureau, M *Pflugers Arch* 361 (1): 17-23. Ref. 1975

034137 QD415.A1P5
The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. Marmocchi, F; Caulini, G; Vernardi, G; Cocco, D; Calabrese, L; Rotilio, G *Physiol Chem Phys* 7 (5): 465-471. Ref. 1975

034138 19.5 P752
Practical verfication of the possibility of snynchronization of the estrus of semi-fine wool sheep in the period of fertility by oral administration of superlutine. (Slo) Horak, F; Gallova, T; Gallo, J *Pol'nohospodarstvo* 21 (7): 551-559. Ref. Eng. Sum. 1975

034139 20.5 P84
Permeation of certain milk components through the cell membrane of mammary glands. (Pol) Grega, T *Postepy Nauk Roln* 22 (1): 97-106. 1975

034140 385 P93
Changes in the alpha-glucosidase activity during slow autolysis of cattle muscular tissues. (Rus) Pavlovskii, P E; Simbireva, E I *Prikl Biokhim Mikrobiol* 11 (5): 803-805. Eng. Sum. Sept/Oct 1975

034141 442.9 AM8
Embryonic chicken periosteum in tissue culture: osteoid formation and calcium uptake. Nijweide, P J *Proc K Ned Akad Wet, Ser C Biol Med Sci* 78 (5): 410-417. Ref. 1975

034142 442.9 AM8
Is the early development of the chick embryo affected by the presence of various concentrations of antibiotics in the substratum? Wiertz-Hoessels, E L M J *Proc K Ned Akad Wet, Ser C Biol Med Sci* 78 (5): 461-463. 1975

034143 442.9 AM8
Studies on the uptake of calcium and strontium by isolated periosteal cells [Chickens]. Nijweide, P J; Plas, A van der *Proc K Ned Akad Wet, Ser C Biol Med Sci* 78 (5): 418-434. Ref. 1975

034144 500 N21P
Analysis of changes in collagen biosynthesis that occur when chick chondrocytes are grown in 5-bromo-2'-deoxyuridine. Mayne, R; Val, M S; Miller, E J *Proc Natl Acad Sci U S A* 72 (11): 4511-4515. Ref. Nov 1975

034145 500 N21P
Effects of estrogen on gene expression in chick oviduct: nuclear receptor levels and initiation of transcription. Tsai, S Y; Tsai, M J; Schwartz, R; Kalimi, M; Clark, J H; O'Malley, B W *Proc Natl Acad Sci U S A* 72 (11): 4228-4232. Ref. Nov 1975

034146 500 N21P
Filamin, a new high-molecular-weight protein found in smooth muscle and non-muscle cells [Chickens]. Wang, K; Ash, J F; Singer, S J *Proc Natl Acad Sci U S A* 72 (11): 4483-4486. Ref. Nov 1975

034147 500 N21P
Guinea pig transfer factor-like activity detected in vitro. Dunnick, W; Bach, F H *Proc Natl Acad Sci U S A* 72 (11): 4573-4576. Ref. Nov 1975

034148 500 N21P
Structural properties of pyruvate carboxylases from chicken liver and other sources. Barden, R E; Taylor, B L; Isohashi, F; Frey, W H II; Zander, G; Lee, J C; Utter, M F *Proc Natl Acad Sci U S A* 72 (11): 4308-4312. Ref. Nov 1975

034149 442.9 SO1
Arterial-venous magnesium gradients in hypovolemic shock: an indicaton of the irreversible state [Dogs]. Valencic, F; Dodich, B N; Hill, O A Jr; Strain, W H; Pories, W J; Flynn, A *Proc Soc Exp Biol Med* 150 (3): 660-663. Dec 1975

034150 442.9 SO1
Characteristics common to choleretic increments of bile induced by theophylline, glucagon and SQ-20009 in the dog. Barnhart, J L; Combes, B *Proc Soc Exp Biol Med* 150 (3): 591-596. Ref. Dec 1975

034151 442.9 SO1
Glucagon stimulation of hepatic gluconeogenesis in neonatal pigs. Helmrath, T A; Bieber, L L *Proc Soc Exp Biol Med* 150 (3): 561-563. Ref. Dec 1975

034152 442.9 SO1
Influence of altitude and age on pulmonary arterial pressure in cattle. Will, D H; Horrell, J F; Reeves, J T; Alexander, A F *Proc Soc Exp Biol Med* 150 (3): 564-567 Dec 1975

034153 442.9 SO1
Local regulation of the uterine blood flow by the umbilical circulation [Sheep, Rabbits]. Rankin, J H G; Goodman, A; Phernetton, T *Proc Soc Exp Biol Med* 150 (3): 690-694. Dec 1975

034154 442.9 SO1
Relatonship between sodium excretion and renin secretion by the perfused kidney [Dogs]. Humphreys, M H; Reid, I A; Ufferman, R C; Lieberman, R A; Earley, L E *Proc Soc Exp Biol Med* 150 (3): 728-734. Ref. Dec 1975

034155 442.9 SO1
The effects of indomethacin on the pulmonary vascular response to hypoxia in the premature and mature goat. Tyler, T; Wallis, R; Leffler, C; Cassin, S *Proc Soc Exp Biol Med* 150 (3): 695-698. Ref. Dec 1975

034156 442.9 SO1
The role of potassium ion in muscle glycogenolysis and glycolysis [Dogs]. Olerud, J E; Pryor, W H Jr; Eason, R L; Carroll, H W *Proc Soc Exp Biol Med* 150 (3): 677-680. Ref. Dec 1975

034157 442.9 SO1
The use of radioactive microspheres to quantitate hyperemia in dermal inflammatory sites [Guinea pigs, rabbits]. Hay, J B; Johnston, M G; Hobbs, B B; Movat, H Z *Proc Soc Exp Biol Med* 150 (3): 641-644. Dec 1975

034158 447.8 Q1
Changes in the metabolism of the shivering hind leg of the young ox during several days of continous cold exposure. Bell, A W; Clarke, P L; Thompson, G E *Q J Exp Physiol Cogn Med Sci* 60 (4): 267-284. Ref. Oct 1975

034159 447.8 Q1
Changes in urinary water and electrolyte excretion in sodium-loaded sheep in response to intravenous infussion of arginine vasopressin. Scott, D; Morton, J J *Q J Exp Physiol Cogn Med Sci* 61 (1): 57-70. Ref. Jan 1976

034160 447.8 Q1
Isolation of kallikrein from mammary gland of cows. Peeters, G; Verbeke, R; Houvenaghel, A; Reynaert, R *Q J Exp Physiol Cogn Med Sci* 61 (1): 1-14. Ref. Jan 1976

034161 447.8 Q1
Renal regulation of phosphate excretion in the pig. McInotsh, G H; Scott, D *Q J Exp Physiol Cogn Med Sci* 60 (4): 299-305. Ref. Oct 1975

034162 447.8 Q1
Secretory responses to sympathetic stimulation of the cat's salivary glands in a state of resting secretion. Emmelin, N; Gjorsterup, P *Q J Exp Physiol Cogn Med Sci* 60 (4): 325-332. Ref. Oct 1975

034163 447.8 Q1
The composition and flow of parotid saliva during acute hyperkalemia in sodium-deficient sheep. Beal, A M; Clark, R C; Budtz-Olsen, O E *Q J Exp Physiol Cogn Med Sci* 60 (4): 315-323. Ref. Oct 1975

034164 447.8 Q1
The effect of cholesterol oleate treatment of mice on the rosette forming cell response against sheep erythrocytes. Smith, I I; Dewar, A E; Ramage, E F; Stuart, A E; Adams, W *Q J Exp Physiol Cogn Med Sci* 61 (1): 45-55. Ref. Jan 1976

034165 447.8 Q1
The effects of vagotomy on ventilation and blood gas composition in dog, sheep and rabbit. Kashani, M; Haigh, A L *Q J Exp Physiol Cogn Med Sci* 60 (4): 285-298. Ref. Oct 1975

034166 442.8 R11
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and chickens and oviparity of hens [Radiation, injuries]. (Rus) Kuzin, A M; Khakimov, P A; Shaikhov, R T; Khamidov, D Kh *Radiobiologiia* 15 (6): 866-870. Eng. Sum. Nov/Dec 1975

034167 442.8 R11
Changes in the pyrimidine nucleotide DNA isopliths of the haemopoietic system of gamma-irradiated animals [Rabbits]. (Rus) Kritskii, G A; Lakhtin, V M; Aleksandrov, S V; Kopylov, V A *Radiobiologiia* 15 (6): 803-806. Ref. Eng. Sum. Nov/Dec 1975

034168 442.8 R11
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope] administration and age of animals [Swine, dogs]. (Rus) Rasin, I M; Sarapul'tsev, I A *Radiobiologiia* 15 (5): 691-694. Eng. Sum. Sept/Oct 1975

034169 442.8 R11AE
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. Skobel'tsyna, E S; Kendysh, I N; Grinberg, S M; Samuleva, S V *Radiobiology* 15 (1): 76-81. 1975

034170 330.9 N67
Prostaglandin-sepharose: application to the purificaton of bovine lung 15(S)-hydroxyprostaglandin dehydrogenase. Nagasawa, M; Chan, J A; Sih, C J *Rep Noda Inst Sci Res* 19: 3-6. Ref. 1975

034171 S543.V5V5
Protein quality of rumen bacterial preparations from cattle fed rations of different roughage content. Keyser, R B; Webb, K E Jr; Fontenot, J P *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 123-127. July 1975

034172 QP121.A1R4
Activity of medullary respiratory neurones during reflexes from the lungs in cats. Bianchi, A L; Barillot, J C *Respir Physiol* 25 (3): 335-352. Ref. Dec 1975

034173 QP121.A1R4
Comparative aspects of buffering capacity in muscle [Chickens, pigeons]. Lykkeboe, G; Johansen, K *Respir Physiol* 25 (3): 353-361. Ref. Dec 1975

034174 SF221.S6
The constituent concentrations of mammary gland secretions of non-lactating quarters as influenced by lactating quarters [Dairy cattle]. Luck, H; Smith, A *S Afr J Dairy Technol* 7 (3): 149-155. Sept 1975

034175 QR180.S3
Correction: mouse spleen cells cultured in homologous serum can indeed make primary antibodies to sheep erythrocytes. Britton, S *Scand J Immunol* 4 (7): 681-686. Ref. 1975

034176 470 SCI2
Binocular interaction in strabismic kittens deprived of vision. Maffei, L; Bisti, S *Science* 191 (4227): 579-580. Feb 13, 1976

034177 S13.S44
Activity of acethylcholinesteraze as a symptom of the non-specific resistance of the organism [Calves]. (Rus) Saiko, A A *S-kh Biol* 10 (4): 568-573. Ref. Eng. Sum. July/Aug 1975

034178 S13.S44
Adaptation of local and acclimatized cattle breeds to high temperatures and solar radiation. (Rus) Kiselev, IU A; Prasolova, L A; Semenova, E I *S-kh Biol* 10 (4): 614-616. July/Aug 1975

034179 S13.S44
Age dynamics of the composition of phosphorous compounds in organs and tissues of broiler chickens. (Rus) Georgievskii, V I; Prischchep, M K *S-kh Biol* 10 (1): 96-101. Ref. Eng. Sum. Jan/Feb 1975

034180 S13.S44
Age specificity of the amino acid composition and nitrogen content in the connective tissue of Caucasian Brown cattle. (Rus) Voskanian, V B; Abramian, E G; Pogosian, A O *S-kh Biol* 10 (2): 268-272. Ref. Eng. Sum. Mar/Apr 1975

034181 S13.S44
Connection of the adaptive reaction to the conditions of the arid zone with the type of the concentration of potassium in sheep blood. (Rus) Raushenbakh, IU O; Kamenek, V M; Sokolov, A IA *S-kh Biol* 10 (3): 421-423. Ref. Eng. Sum. May/June 1975

034182 S13.S44
Distribution of gonadotropic hormones labelled with 125I [iodine isotope] in animal organs and tissues. (Rus) Pavliuchenko, V M; Grigor'ev, M IU; Grigor'ev, A A *S-kh Biol* 10 (1): 142-144. Jan/Feb 1975

034183 S13.S44
Electron microscopy study of the structure of cells of the mammary gland during various periods of lactation and under the effect of luteotropin. (Rus) IAkovenko, N V; Pavlov, V V *S-kh Biol* 10 (1): 144-146. Jan/Feb 1975

034184 S13.S44
Electrophoresis of blood proteins, tissue of the mammary gland and milk in acrylamide gel. (Rus) Kasimov, E N *S-kh Biol* 10 (2): 285-289. Eng. Sum. Mar/Apr 1975

034185 S13.S44
Imprinting in chickens. (Rus) Kolobova, N G *S-kh Biol* 10 (4): 587-591. Ref. Eng. Sum. July/Aug 1975

034186 S13.S44
Modifying effect of daily yields on the heat tolerance of cattle. (Rus) Erokhin, P I *S-kh Biol* 10 (2): 310-311. Mar/Apr 1975

034187 S13.S44
On the biological indication of odour [Animal behavior]. (Rus) Ernst, L K; Pushkarskii, V G *S-kh Biol* 10 (4): 563-567. Ref. Eng. Sum. July/Aug 1975

034188 S13.S44
On the method of the evaluation of activity of ceruloplasmine in the plasm of poultry blood. (Rus) Kuznetsov, S G *S-kh Biol* 10 (2): 290-293. Ref. Eng. Sum. Mar/Apr 1975

034189 S13.S44
Ontogenetic specificity of metabolism of ketonic bodies in ruminants (review). (Rus) IAnovich, V G; Kusen', S I *S-kh Biol* 10 (4): 555-562. Ref. Eng. Sum. July/Aug 1975

034190 S13.S44
Spread of animals on the pasture as a function of group behaviour [Grazing]. (Rus) Baskin, L M *S-kh Biol* 10 (3): 407-411. Ref. Eng. Sum. May/June 1975

034191 S13.S44
Study of proteins and some enzymes of pancreatic juice in swine by the method of disc elctrophoresis in polyacrylamide gel. (Rus) Kniazeva, L A; Telepnev, V A *S-kh Biol* 10 (1): 88-91. Ref. Eng. Sum. Jan/Feb 1975

S13.S44
Transition of immunity from the mother to the offspring in ruminants. (Rus) Kovalenko, IA R; Fedorov, IU N; Likhotina, N A *S-kh Biol* 10 (3): 424-428. Ref. Eng. Sum. May/-June 1975

034192 511 AK146
Barbiturate spindling of the neuronally isolated cortex [Cats]. (Rus) Ordzhonikidze, TS A; Kadzhaia, D V *Soobshch Akad Nauk Gruz SSR* 80 (1): 157-160. Ref. Eng. Sum. Oct 1975

034193 511 AK146
Influence of local strychninization of the cerebral cortex on the cortical rhythmic afterdischarge [Cats]. (Rus) Narikashvili, S P; Kadzhaia, D V; Timchenko, A S; Narikashvili, M S *Soobshch Akad Nauk Gruz SSR* 80 (2): 445-448. Eng. Sum. 1975

034194 511 AK146
The organization of the claustrum somatosensory afferent input in cats. (Rus) Zhgenti, N A; Khanaeva, Z S *Soobshch Akad Nauk Gruz SSR* 80 (1): 165-168. Ref. Eng. Sum. Oct 1975

034195 511 AK146
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal [rats] and plant [pea leaves] tissues. (Geo) Goglidze, R I; Dzhokhadze, D I *Soobshch Akad Nauk Gruz SSR* 80 (2): 465-468. Ref. Eng. Sum. 1975

034196 QH301.I52
Bone and biomineralization [Animals]. Simkiss, K *Stud Biol Inst Biol (Lond)* 53, 59 P. 1975

034197 391.8 T66
The invivo effects of phytohemagglutinins on ATPase [adenosine triphosphatase] and fumarase enzymes in the rat. Bassir, O; Ikegwuonu, F *Toxicon* 13 (5): 371-374. Ref. Nov 1975

034198 QD415.A1B58
Cytochrome P-450 and steroidogenesis [Swine, testes]. Mason, J I; Boyd, G S *Trans Biochem Soc* 3 (6): 832-835. Ref. 1975

034199 QD415.A1B58
Endocrine activities of the blastocyst and early embryonic tissue in the pig. Heap, R B; Perry, J S; Gadsby, J E; Burton, R D *Trans Biochem Soc* 3 (6): 1183-1188. Ref. 1975

034200 QD415.A1B58
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. Beckett, G J; Boyd, G S *Trans Biochem Soc* 3 (6): 892-894. 1975

034201 QD415.A1B58
Further characterization of procollagen messenger ribonucleic acid from embryonic chick tendon cells. Harwood, R; Grant, M E; Jackson, D S *Trans Biochem Soc* 3 (6): 916-917. Ref. 1975

034202 QD415.A1B58
Glucose production and its hormonal control in isolated chicken hepatocytes. Anderson, C E; Langslow, D R *Trans Biochem Soc* 3 (6): 1037-1039. 1975

034203 QD415.A1B58
Haemopoietic responses in chick embryos to administration of steroid hormones: an system for the study in vitro. Irving, R A; Mainwaring, W I P *Trans Biochem Soc* 3 (6): 1243-1244. Ref. 1975

034204 QD415.A1B58
Investigations into the primary and tertiary structures of ox liver glutamate dehydrogenase. Rasched, I; Bohn, A; David, M; Sund, H *Trans Biochem Soc* 3 (6): 926-927. 1975

034205 QD415.A1B58
Procollagen biosynthesis and polyribosome-membrane interactions in embryonic chick tendon cells. Harwood, R; Durrant, B; Grant, M E; Jackson, D S *Trans Biochem Soc* 3 (6): 914-915. Ref. 1975

034206 QD415.A1B58
Steroid effects on gut function in birds [Hens]. Thomas, D H; Skadhauge, E; Read, M W *Trans Biochem Soc* 3 (6): 1164-1168. Ref. 1975

034207 QD415.A1B58
Storage of iron as ferritin in the liver of the protein-deficient rat. Stanton, M; Ramsay, W N M *Trans Biochem Soc* 3 (6): 939-940. 1975

034208 QD415.A1B58
Studies on collagen synthesis in the mature dermal scar in the guinea pig. Barnes, M J; Morton, L F; Bailey, A J; Bennett, R C *Trans Biochem Soc* 3 (6): 917-920. Ref. 1975

034209 QD415.A1B58
The digestion of the glycoprotein from pig gastric mucus with pepsin and other proteolytic enzymes. Scawen, M; Allen, A *Trans Biochem Soc* 3 (6): 1107-1109. 1975

034210 QD415.A1B58
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of natural actomyosin from mammalian skeletal muscle [Swine]. Mothersill, C; McLoughlin, J V *Trans Biochem Soc* 3 (6): 956-958. 1975

034211 QD415.A1B58
The interaction of tetraiodofluorescein with glutamate dehydrogenase from bovine liver. Kempfle, M; Muller, R; Winkler, H *Trans Biochem Soc* 3 (6): 1069-1071. 1975

034212 QD415.A1B58
The metabolism of cimetidine in the rat, dog and man. Taylor, D C; Cresswell, P R *Trans Biochem Soc* 3 (6): 884-885. 1975

034213 QD415.A1B58
The preparation and assessment of the physiological competence of isolated chicken hepatocytes. Dickson, A J; Langslow, D R *Trans Biochem Soc* 3 (6): 1034-1037. 1975

034214 QD415.A1B58
The rate and products of degradation of xylans by rumen hemicellulases [Digestibility of feeds by ruminants]. Morrison, I M *Trans Biochem Soc* 3 (6): 992-994. 1975

034215 QD415.A1B58
The relationship between peptide hydrolases of cytoplasm and brush borders of guinea-pig small-intestinal mucosa. O'Cuinn, G; Fottrell, P F *Trans Biochem Soc* 3 (6): 1219-1221. Ref. 1975

034216 442.8 T78
Comparison of synaptic vesicle sizes in axonal profiles synapsing on neuronal bodies and dendrites in the cat motor cortex. (Rus) Lenkov, D N; Bragina, T A; Maloshevskii, S G *TSitologiia* 17 (11): 1325-1327. Ref. Eng. Sum. Nov 1975

034217 442.8 T78
The action of thyroxine on the structure of the heart muscle cell mitochondria in prenatal ontogenesis [Chick embryos]. (Rus) Khamidov, D Kh; Abliaeva, N Kh; Mirakhmedov, A K *TSitologiia* 17 (12): 1427-1428. Eng. Sum. Dec 1975

034218 442.8 T78
The binding of 86 rubidium [isotope] by a microsomal fraction of the ox cortex cells. (Rus) Mirsalikhova, N M; Ziiamukhamedov, R A *TSitologiia* 17 (11): 1328-1329. Eng. Sum. Nov 1975

034219 442.8 T78
The character of functional associations of neurons determined by RNA and SH [sulfhydryl]-groups in the cat brain cortex. (Rus) Khusainova, I S; Schwarzman, B E *TSitologiia* 17 (11): 1289-1293. Ref. Eng. Sum. Nov 1975

034220 442.8 T78
The ultrastructure of the sheep metaphase plate chromosomes. (Rus) Murzamadiev, A *TSitologiia* 17 (11): 1269-1272. Ref. Eng. Sum. Nov 1975

034221 41.9 C333
Acid-base values of pig blood. (Cze) Stros, K; Komarek, J; Jadrny, L *Vet Med (Prague)* 20 (6): 327-337. Ref. Eng. Sum. June 1975

034222 41.9 C333
Lipase activity in calf blood serum with different types of feeding. (Cze) Surynek, J *Vet Med (Prague)* 20 (5): 277-281. Eng. Sum. May 1975

034223 41.9 C333
Proteolytic activity of beef liver determined by natural substrates labelled with 125I [Iodine isotope]. (Slo) Blahovec, J; Ondrus, I *Vet Med (Prague)* 20 (7): 399-406. Ref. July 1975

034224 41.9 C333
Study of esterified fatty acids in the blood serum and total content of fatty acids in the feces of calves reared on different types of feeding. (Cze) Kucera, A; Surynek, J *Vet Med (Prague)* 20 (7): 385-390. Ref. Eng. Sum. July 1975

034225 41.9 C333
Study of the enzymatic activity of human and anaimal serum cystine aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium [Sheep, cattle]. (Slo) Molnarova, B; Sova, O *Vet Med (Prague)* 20 (6): 347-353. Ref. Eng. Sum. June 1975

034226 41.9 C333
The effect of catecholamines on the metabolism of glucose, fatty acids, and on the heart frequency in goats. (Cze) Bartos, S; Dolezel, F; Kolbl, M *Vet Med (Prague)* 20 (5): 289-301. Ref. Eng. Sum. May 1975

034227 41.9 C333
The effect of physical stress on the values of the indexes of the acid-base homeostasis of the blood of pigs. (Slo) Bartko, P; Michna, A; Chyla, M; Vrzgula, L *Vet Med (Prague)* 20 (6): 339-346. Ref. Eng. Sum. June 1975

034228 41.9 C333
The effects of nickel on the growth and on the liver proteins of ducks. (Slo) Paulov, S *Vet Med (Prague)* 20 (5): 283-288. Ref. Eng. Sum. May 1975

034229 41.8 V6426
Radiotelemetric methods of investigation [Effects of electromagnetic waves on swine digestion]. (Rus) Lizogub, IU P *Veterinariia (Mosk)* 9: 99-100. Sept 1975

034230 41.8 V6426
Vitamin content in the blood and milk of cows. (Rus) Samokhin, V T; Kuznetsov, N I; Solov'ev, L M *Veterinariia (Mosk)* 9: 93-95. Sept 1975

034231 41.8 V6439
Importance of zinc and its detection in biological material [Animals, physiology]. (Cze) Jiraskova, M; Kalous, F *Veterinarstvi* 25 (3): 131-132. 1975

034232 41.8 V6439
Relation of the hydrogen-ion concentration of cow urine to pure acid-base extract. (Slo) Gajdosik, D *Veterinarstvi* 25 (7): 305-306. 1975

034233 41.8 V6439
Some biochemical values in pigs. (Cze) Komarek, J; Stros, K; Kynclova, I; Bizova, I *Veterinarstvi* 25 (11): 502-504. 1975

034234 41.8 V6439
Water and electrolyte metabolism in farm animals. (Cze) Hradecky, P *Veterinarstvi* 25 (3): 105-107. 1975

034235 20 V82
Effect of certain micronutrients on [disease] resistance of the newborn calf. (Ukr) Lytvyn, V P; Stepaniuk, V D *Visn Sil's'kohospod Nauki* 11: 92-95. Nov 1975

034236 20 V82
Forecasting the growth of cattle. (Ukr) Nedava, V IU; Holovatiuk, N I *Visn Sil's'kohospod Nauki* 10: 77-81. Oct 1975

034237 20 V82
Nitrogen and carbohydrate exchange in poultry treated with ultraviolet radiation. (Ukr) Livak, I I; Dovhanyk, M I *Visn Sil's'kohospod Nauki* 10: 90-95. Oct 1975

034238 20 V82
On the effect of serum gonadotropin and estrogen on the hormonal activity of the thyroid and suprarenal glands of cows. (Ukr) Rozhoni, I I; Smolianinov, B V *Visn Sil's'kohospod Nauki* 10: 95-98. Oct 1975

034239 389.78 Z3
Comparison of free amino acids in blood serum of men and animals. 1. Man, rat, mouse, cock [chickens]. (Ger) Liappis, N; Anda, L P; Bantzer, P *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 56-61. Eng. Sum. Nov 1975

389.78 Z3
The in-vivo-determination of total body fat with "DDE" (1,1-dichloro-2,2- bis (p-chlorophenyl)ethylene) [Chickens]. (Ger) Luhrs, F; Henkel, H *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 38-47. Ref. Eng. Sum. Nov 1975

034240 410 Z35
Dynamics of social hierarchy in a dairy [cattle] herd. Reinhardt, V; Reinhardt, A *Z Tierpsychol* 38 (3): 315-323. Ref. Oct 1975

034241 410 Z35
Establishment of dominance-submission relationships in domestic cattle. III. Effect of social experience. (Fre) Bouissou, M F; Lavenet, C; Orgeur, P *Z Tierpsychol* 38 (4): 419-435. Ref. Eng. Sum. Nov 1975

034242 410 Z36
Diurnal variations in composition of caecal contents in rabbits. (Ger) Leng, E; Hornicke, H *Z Versuchstierkd* 17 (5/6): 285-299. Ref. Eng. Sum. 1975

034243 385 Z6
Morphological and biochemical blood changes in cows chronically exposed to strontium 90. (Rus) Sirotkin, A N; Sarapul'tsev, I A; Rudskikh, T A; Bogatov, L V *Zh Obshch Khim* 36 (6): 935-941. Ref. Eng. Sum. Nov/Dec 1975

034244 49 Z65
Investigation on udder functional peculiarities in the Pleven Blackface sheep breed. (Bul) Dochevski, D D *Zhivotnovud Nauki* 12 (3): 27-33. Ref. Eng. Sum. 1975

034245 49 Z65
Skin histologic study of native and Indian buffaloes and their Bulgarian crosses. II. Sudoriparous and sebaceous glands. (Bul) Dragnev, Kh *Zhivotnovud Nauki* 12 (3): 19-26. Eng. Sum. 1975

034246 49 Z65
Studies on the histostructure of skeletal musculature and some meat qualities of sows raised under different exercise regimes. (Bul) Petrov, I; Tomov, V *Zhivotnovud Nauki* 12 (3): 39-47. Ref. Eng. Sum. 1975

034247 410 Z751
The intracellular digestive apparatus of cultured chicken heart cells. A morphological, enzyme cytochemical, and morphometriec study. (Ger) Hundgen, M *Zool Jahrb, Abt Anat Ontog Tiere* 94 (4): 591-622. Ref. Eng. Sum. 1975

034248 410 R92
Heat preservation and emission from the body surface in the mink Mustela vison. (Rus) Segal', A N; Ignatov, IU V *Zool Zh* 54 (11): 1687-1696. Ref. Eng. Sum. Nov 1975

LIVESTOCK FEEDING

034249 19 AC8
Determination of lysine and methionine requirements. II. Establishment of amino acid supplies in fattening pigs by the determination of certain parameters of the blood plasma. Jecsai, J; Szelenyi-Galantai, M; Juhasz, B *Acta Agron (Budap)* 24 (3/4): 283-290. Ref. 1975

034250 43.8 AF8
The demands which different production systems place on Africander cattle [Feeding]. (Afr) von La Chevallerie, M *Afrikanerbees J* 20 (3): 33, 35-37, 39-40. Sept 1975

034251 S16.H8A32
Effect of feeding feed mixtures containing various amounts of animal protein. (Hun) Bank, Mrs B A *Agrar Tud Egy Kozl (Godollo)* P. 309-316. Ref. 1974

034252 385 AG8B
Metabolism of L-leucine-U-14C [carbon isotope] in young rats fed excess glycine diets. Takeuchi, H; Tadauchi, N; Muramatsu, K *Agric Biol Chem* 39 (12): 2417-2419. Dec 1975

034253 10 AG89
Using rapeseed meal as a feed ingredient for pigs. Hill, R *Agric Merch* 55 (12): 17-18. Dec 1975

034254 256.13 AG82M
Feeding whey to pigs. McCracken, K J *Agric North Irel* 50 (8): 226-228. Dec 1975

034255 256.13 AG82M
How much non-protein nitrogen? [Ruminant diets]. McDougall, I A *Agric North Irel* 50 (7): 192-195. Nov 1975

034256 1.98 AG84
New links in the selenium cycle [Livestock feed]. U.S. Agricultural Research Service *Agric Res* 24 (5): 6-7. Nov 1975

034257 24 EG94
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of feeding different levels of calcium and phosphorus with the same ratio on growth of Dokki-4 chicks. Labib, A I; Radwan, M H; Aboul-Seoud, A A; Elgindi, I M; Omar, E M; Reafat, M A *Agric Res Rev* 52 (7): 135-142. July 1974 (Pub. 1975)

034258 24 EG94
Calcium requirements for chicks as affected by some nutritional factors. IV. Effect of feeding different levels of vitamin D3 on growth of Dokki-4 chicks. Elgindi, I M; Omar, E M; Raafat, M A; Radwan, M H; Labib, A I; Auoul-Seoud, A A *Agric Res Rev* 52 (7): 143-154. Ref. July 1974 (Pub. 1975)

034259 24 EG94
Dietary effect on subsequent growth of the Silver Montazah and the Golden Montazah chicks. Mahmoud, T H; Abdel-Salam, F E; Aboul Seoud, A A; Madkour, Y H; Abdel-Salam, N *Agric Res Rev* 52 (7): 61-76. July 1974 (Pub. 1975)

034260 24 EG94
Dietary effect on the performance of the Silver Montazah and the Golden Montazah pullets. 1. Rate of lay [Egg production]. Mahmoud, T H; Abdel Salam, F E; Aboul Seoud, A A; Madkour, F H; Abdel Salam, N *Agric Res Rev* 52 (7): 77-88. Ref. July 1974 (Pub. 1975)

034261 24 EG94
Dietary effect on the performance of the Silver Montazah and the Golden Montazah pullets. 2. Egg size. Mahmoud, T H; Abdel Salam, F E; Aboul Seoud, A A; Madkour, Y H; Abdel Salam, N *Agric Res Rev* 52 (7): 89-97. Ref. July 1974 (Pub. 1975)

034262 24 EG94
Dietary effect on the performance of the Silver and the Golden Montazah pullets. 3. Feed utilization and livability. Abdel-Salam, F E; Mahmoud, T H; Aboul Seoud, A A; Madkour, Y H; Abdel Salam, N *Agric Res Rev* 52 (7): 99-110. Ref. July 1974 (Pub. 1975)

034263 24 EG94
Dietary effect on the performance of the Silver Montazah and the Golden Montzah pullets. 4. Egg fertility and hatchability. Abdel-Salam, F E; Mahmoud, T H; Aboul Seoud, A A; Madkour, Y H; Abdel-Salam, N *Agric Res Rev* 52 (7): 111-122. July 1974 (Pub. 1975)

034264 24 EG94
Different levels of nitrogen in the ration for wool production from Rahmani lambs. I. Effect of ration containing high quality roughage with different levels and sources of nitrogen on wool production and characteristics. Elsherbiny, A; el-Ashry, M A *Agric Res Rev* 52 (7): 43-50. Ref. July 1974 (Pub. 1975)

034265 24 EG94
Meat production from buffalo male calves at different ages [Fattening]. Afifi, Y A; Omara, S F; Shahin, M A; Youssef, F M *Agric Res Rev* 52 (7): 1-20. Ref. July 1974 (Pub. 1975)

034266 24 EG94
Nutritional studies with growing Friesian calves on certainfeeding levels under local conditions. 1. Feed utilization and metabolism trials during the 2nd six months of growth. Abou-el-Hassan, A; Abou-Raya, A K; el-Samman, S; el-Itriby, S A *Agric Res Rev* 52 (7): 21-34. Ref. July 1974 (Pub. 1975)

034267 24 EG94
Studies of different levels of protein in layer's ration [Chicks]. Negm, H M; Morphet, A M *Agric Res Rev* 52 (7): 123-134. Ref. July 1974 (Pub. 1975)

034268 24 EG94
The effect of the level of concentrates in the ration on milk yield and composition in buffaloes. Abou-Selim, I A; Youssef, M S S; Shebata, O; el-Ashry, M A *Agric Res Rev* 52 (7): 35-43. Ref. July 1974 (Pub. 1975)

034269 49 C43
Current research on livestock nutrition and feeds in Japan. 2. (Jpn) Tazaki, I *Anim Husb* 29 (7): 944-946. July 1975

034270 49 C43
Grazing of beef cattle in the forest combined with pasture. (Jpn) Taji, K; Fushimi, T; Miaki, T *Anim Husb* 29 (7): 983-988. July 1975

034271 49 AN55
A comparison between rotational [creep] grazing and set stocking with ewes and lambs at three stocking rates. Young, N E; Newton, J E *Anim Prod* 21 (3): 303-311. Ref. Dec 1975

034272 49 AN55
A note on rationing of growing pigs according to age. Braude, R; Mitchell, K G; Pittman, R J *Anim Prod* 21 (3): 337-339. Dec 1975

034273 49 AN55
Prediction of the digestible energy in pig diets from analyses of fibre contents. King, R H; Taverner, M R *Anim Prod* 21 (3): 275-284. Dec 1975

034274 49 AN55
Propionic acid-treated barley in the diets of bacon pigs. Cole, D J A; Brooks, P H; English, P R; Livingstone, R M; Luscombe, J R *Anim Prod* 21 (3): 295-302. Ref. Dec 1975

034275 49 AN55
Soaking of complete fattening rations high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on nutritional value [Cattle]. Holzer, Z; Levy, D; Tagari, H; Volcani, R *Anim Prod* 21 (3): 232-335. Ref. Dec 1975

034276 49 AN55
Sodium hydroxide treatment of barley straw; effect of volume and concentration of solution on digestibility and intake by sheep. Jayasuriya, M C N; Owen, E *Anim Prod* 21 (3): 313-322. Ref. Dec 1975

034277 49 AN55
The effect of dietary concentrations of digestible energy on the performance and carcass characteristics of early-weaned pigs. Campbell, R G; Taverner, M R; Mullaney, P D *Anim Prod* 21 (3): 285-294. Ref. Dec 1975

034278 QH541.5.D4A1
A note on seasonal variation in normal water intake by indigenous and crossbreed sheep. Purohit, G R; Ghosh, P K; Taneja, G C *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 274-276. Sept 1975

034279 QH541.5.D4A1
Chemical composition and in vitro dry matter digestibility of some important grasses. Gupta, P C; Singh, R; Singh, K; Pradhan, K *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 245-250. Ref. Sept 1975

034280 16 M582
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. (Ita) Bertoni, G; Cappa, V *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 448-464. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

034281 16 M582
Mineral trace elements and related deficiencies; a summarizng review and report on experimentation. (Ita) Bertoni, G; Marzoli, A L *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 465-494. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

034282 41.9 P67
Digestibility and nutritional value of some forages (white clover hay, ryegrass, carrot-roots and wheat bran) for ponies. (Ita) Cenni, B; Jannella, G; Colombani, B; Orlandi, M *Ann Fac Med Vet Pisa* 27: 187-195. Eng. Sum. 1974 (Pub. 1975)

034283 41.9 P67
Digestibility and nutritive value of barley for ponies. (Ita) Cenni, B; Jannella, G; Colombani, G; Orlandi, M *Ann Fac Med Vet Pisa* 27: 197-203. Eng. Sum. 1974 (Pub. 1975)

034284 105.4 P435
Comparison of the digestibility and nutritive value of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties [tested on ruminants]. (Ita) Sarti, D M; Pollidori, P *Ann Perugia Univ Fac Agrar* 29: 383-397. Ref. Eng. Sum. 1974

034285 105.4 P435
Nutritive value [for ruminants] of green cut maize ensiled by a trench method. (Ita) Sarti, D M; Pollidori, P *Ann Perugia Univ Fac Agrar* 29: 369-381. Ref. Eng. Sum. 1974

034286 105.4 P435
Presence of carotenes and chemical composition determined and considered in some forage plants of Umbria [Nutritive value of feeds]. (Ita) Pollidori, P; Duranti, E *Ann Perugia Univ Fac Agrar* 29: 399-418. Ref. Eng. Sum. 1974

034287 49 F84
Chemical composition and feeding value of mallow (Malva verticillata L.) (first results) [Sheep]. (Fre) Bonnemaire, J; Roux, M; Teissier, J H; Cordelet, C; Grenet, L *Ann Zootech* 24 (3): 565-570. Ref. Eng. Sum. 1975

034288 49 F84
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. (Fre) Verite, R; Flechet, J; Lefaivre, R; Marquis, B; Ollier, A; Verite, M *Ann Zootech* 24 (3): 373-390. Ref. Eng. Sum. 1975

034289 49 F84
Effects of storage technique for immature maize on the utilization of its carbohydrates and nitrogen in growing-finishing swine. (Fre) Borgida, L P; Delort-Laval, J; Viroben, G *Ann Zootech* 24 (3): 433-445. Ref. Eng. Sum. 1975

034290 49 F84
Effects on the growth of the rabbit of L-lysine and DL-methionine supplementation of simplified plant diets. (Fre) Colin, M; Sardi, G *Ann Zootech* 24 (3): 465-473. Ref. Eng. Sum. 1975

034291 49 F84
Factors affecting feeding value of pangola grass (Digitariadecumbens, Stent) in a humid tropical climate [Goats]. (Fre) Chenost, M; Despois, P; Grude, A; Saminadin, G; Paul-Urbain-Georges, A *Ann Zootech* 24 (3): 327-349. Ref. Eng. Sum. 1975

034292 49 F84
Influence of the type of forage harvester on the value of grass silages for heifers of dairy breeds. (Fre) Dulphy, J P; Demarquilly, C; Andrieu, J P; Garel, J P *Ann Zootech* 24 (3): 351-362. Eng. Sum. 1975

034293 49 F84
Influence of the type of forage harvester on the silage intake level and the performances of dairy cows. (Fre) Dulphy, J P; Demarquilly, C; Andrieu, J P *Ann Zootech* 24 (3): 363-371. Ref. Eng. Sum. 1975

034294 49 F84
Lysine requirement of nulliparous gilts. (Fre) Duee, P H; Rerat, A; Jung, J; Serezat, M; Lebost, J *Ann Zootech* 24 (3): 447-464. Ref. Eng. Sum. 1975

034295 49 F84
Number of sucklings and grazing time of calves in nursing cow herds. (Fre) Le Neandre, P; Petit, M; Dubroeucq, H *Ann Zootech* 24 (3): 553-558. Ref. Eng. Sum. 1975

034296 103 N813
Effect of dried grass and whole grain in the diet of early-weaned lambs on performance and carcass fat quality. Chestnut, D M B *Annu Rep Agric Res Inst North Irel* 48th: 35-42. 1975

034297 105.8 H686A
Contribution to the vitamin requirement of poultry. (Ger) Friesecke, H *Arbeiten Hohenheim Univ* P. 62-66. 1975

034298 105.8 H686A
Fats in poultry feeding. (Ger) Sus, H *Arbeiten Hohenheim Univ* P. 67-75. Ref. 1975

034299 105.8 H686A
Guide lines how to carry out feeding experiments. (Ger) Scholtyssek, S *Arbeiten Hohenheim Univ* P. 37-44. 1975

034300 105.8 H686A
Methods of feeding experiments with poultry. (Ger) Scholtyssek, S ed *Arbeiten Hohenheim Univ* 79, 75 P. Ref. 1975

034301 105.8 H686A
Some basic consideration concerning the problems related to feeding experiments with poultry. (Ger) Hartel, H *Arbeiten Hohenheim Univ* P. 45-61. 1975

034302 389.78 AR22
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. (Ger) Bergner, H; Simon, O; Zimmer, M *Arch Tierernahr* 25 (6): 421-436. Ref. Eng. Sum. Aug 1975

034303 389.78 AR22
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. (Ger) Simon, O; Zimmer, M; Bergner, H *Arch Tierernahr* 25 (6): 437-452. Ref. Eng. Sum. Aug 1975

034304 389.78 AR22
Determination of methionine requirements with 35S [sulfur isotope] methionine determined on the basis of metabolic data[Rats]. (Ger) Bergner, H; Krieghoff, E *Arch Tierernahr* 25 (6): 411-420. Eng. Sum. Aug 1975

034305 389.78 AR22
Effect of different types of rations on some characteristics of the ruminal and intermediary metabolism in sheep. 1. Formation of volatile fatty acids. (Ger) Munchow, H; Edvi, P *Arch Tierernahr* 25 (9/10): 647-655. Ref. Eng. Sum. Dec 1975

034306 389.78 AR22
Effect of various technological procedures on the feeding properties of extracted sunflower meal and other commercial products. (Ger) Stojanov, V *Arch Tierernahr* 25 (9/10): 707-716. Ref. Eng. Sum. Dec 1975

034307 389.78 AR22
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and protein metabolism in the blood serum and upon the body composition of growing rats. (Ger) Risse, S; Dargel, D; Korschewitz, I; Schulte, H *Arch Tierernahr* 25 (6): 469-477. Ref. Eng. Sum. Aug 1975

034308 389.78 AR22
Effect of zinc depletion on glucose tolerance [Rats, animalnutrition]. (Ger) Roth, H P; Schneider, U; Kirchgessner, M *Arch Tierernahr* 25 (8): 545-549. Ref. Eng. Sum. Oct 1975

034309 389.78 AR22
Feeding studies with broilers fed wheat rich in crude protein. 1. Experimental procedure, weight gains, food consumption and food efficiency. (Ger) Gruhn, K; Jahreis, G; Jeroch, H; Hennig, A *Arch Tierernahr* 25 (9/10): 683-697. Ref. Eng. Sum. Dec 1975

034310 389.78 AR22
Feeding studies with broiler fed wheat rich in crude protein. 2. Carcass yields and carcass composition. (Ger) Jahreis, G; Gruhn, K *Arch Tierernahr* 25 (9/10): 699-706. Ref. Eng. Sum. Dec 1975

034311 389.78 AR22
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats fed proteins of varying quality. (Ger) Schulke, B; Tegeler, G *Arch Tierernahr* 25 (6): 453-462. Ref. Eng. Sum. Aug 1975

034312 389.78 AR22
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). (Ger) Schulke, B; Tegeler, G *Arch Tierernahr* 25 (6): 463-468. Ref. Eng. Sum. Aug 1975

034313 389.78 AR22
Results of studies investigating the chewing and ruminating activity of cows fed rations of differently processed straw or straw treated with liquid sodium hydroxide. (Ger) Piatkowsky, B; Nagel, S *Arch Tierernahr* 25 (8): 575-582. Ref. Eng. Sum. Oct 1975

034314 389.78 AR22
Studies on male sheep investigating the feeding value of excreta from young hens and broilers. (Ger) Hennig, A; Jeroch, H; Lohnert, H J; Flachowsky, G *Arch Tierernahr* 25 (8): 583-588. Ref. Eng. Sum. Oct 1975

034315 389.78 AR22
Studies on methionine imbalance in rats as influenced by supplementation of threonin, serin, glycine or glutamic acid. (Ger) Bergner, H; Krieghoff, E *Arch Tierernahr* 25 (8): 551-563. Eng. Sum. Oct 1975

034316 389.78 AR22
Studies on the nutrient content of the liver, pectoral muscle, total body and eggs of hens as influenced by graded supplies of vitamin B6. (Ger) Abend, R; Jeroch, H; Hennig, A *Arch Tierernahr* 25 (8): 565-573. Ref. Eng. Sum. Oct 1975

034317 389.78 AR22
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of goat milk. (Ger) Gruhn, K; Thelemann, W; Hennig, A *Arch Tierernahr* 25 (9/10): 629-636. Ref. Eng. Sum. Dec 1975

034318 389.78 AR22
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. (Ger) Schubert, R; Gruhn, K *Arch Tierernahr* 25 (9/10): 657-669. Ref. Eng. Sum. Dec 1975

034319 389.78 AR22
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. (Ger) Gruhn, K; Jeroch, H; Hennig, A; Schubert, R *Arch Tierernahr* 25 (9/10): 671-681. Ref. Eng. Sum. Dec 1975

034320 389.78 AR22
Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. (Ger) Heinz, T; Poppe, S *Arch Tierernahr* 25 (8): 589-592. Ref. Eng. Sum. Oct 1975

034321 389.78 AR22
Turnover of 15N-14C [nitrogen isotope-carbon isotope] acetyl urea in sheep. (Ger) Bergner, H; Gorsch, R; Kijora, C; Adam, K; Muller, J *Arch Tierernahr* 25 (9/10): 609-627. Eng. Sum. Dec 1975

034322 389.78 AR22
Zinc excretion of lactating cows receiving varying levels of zinc. (Ger) Schwarz, W A; Kirchgessner, M *Arch Tierernahr* 25 (9/10): 597-608. Dec 1975

034323 49 AR23
Fattening and slaughter performance results of German Black Pied young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. (Ger) Neumann, W; Weiher, O; Nicol, R; Baudisch, H P; Rohde, E *Arch Tierz* 18 (5): 291-299. Eng. Sum. 1975

034324 49 AR23
Results on feed consumption and nutrient requirement in intensive bull fattening as obtained in fattening test stations. (Ger) Lindemann, E; Klautschek, G *Arch Tierz* 18 (4): 239-246. Eng. Sum. 1975

034325 100 AR42F
Relative value of nutrients in dairy cattle forages. Cole, T A; Stallcup, O T; Daniels, L B; Rakes, J M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 5. Sept/Oct 1975

450 AU72
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and density [Grazing, sheep, cattle]. Pressland, A J *Aust J Bot* 23 (6): 965-976. Ref. Dec 1975

034326 S11.B43
A new forage evaluation system [Dairy cattle]. (Dut) Es, A J H van *Bedrijfsontwikkeling* 6 (7/8): 590-592. July/Aug 1975

034327 S11.B43
Beet pulp and dried manure as a nitrogen source (protein) substitute for fattening bulls. (Dut) Boer, F de; Hamm, G G H *Bedrijfsontwikkeling* 6 (7/8): 603-609. July/Aug 1975

034328 S11.B43
Renewed interest concerning the need for lime, phosphorus, and some trace elements in cattle [nutrition]. (Dut) Hartmans, J *Bedrijfsontwikkeling* 6 (7/8): 593-594. July/Aug 1975

034329 S11.B43
Roughages for cattle in the Netherlands. 4. (Dut) Janse, J D *Bedrijfsontwikkeling* 6 (7/8): 598-602. Map. July/Aug 1975

034330 S11.B43
The mixed feed industry and the animal improvement sector. (Dut) Berg, G van den *Bedrijfsontwikkeling* 6 (7/8): 595-597. July/Aug 1975

034331 18 G31A
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 1. The effects of conservation on quality, losses, and variation in nutritive value. (Ger) Honig, H; Zimmer, E; Rohr, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 362-382. Ref. Eng. Sum. 1975

034332 18 G31A
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, time spent ruminating and rumen fermentation with varying amounts of concentrates. (Ger) Rohr, K; Daenicke, R; Honig, H *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 383-392. Ref. Eng. Sum. 1975

034333 18 G31A
An investigation into methods of evaluating roughage. 2. Investigations into methods of estimating the nutritive value of roughage. (Ger) Theune, H H; Zimmer, E *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 402-418. Ref. Eng. Sum. 1975

034334 18 G31A
Experiments on the influence of the frequency of feeding on rumen fermentation, food intake milk yield. (Ger) Kaufmann, W; Rohr, K; Daenicke, R; Hagemeister, H *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 269-395. Ref. Eng. Sum. 1975

034335 18 G31A
Experiments to improve the exploitation of the energy potential of the fodder by speeding its passage through the intestine. (Ger) Hagemeister, H; Kaufmann, W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 257-268. Ref. Eng. Sum. 1975

034336 18 G31A
Experiments to develop biological-technical feeding systems to control fermentation in the forestomach. (Ger) Kaufmann, W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 296-300. Eng. Sum. 1975

034337 18 G31A
Investigations into methods for evaluating roughage quality. 1. The rapid determination of the dry matter content in roughage. (Ger) Schild, G J; Honig, H *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 393-401. Ref. Eng. Sum. 1975

034338 18 G31A
Physiological principles for the development of complete diets. (Ger) Rohr, K; Oslage, H J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 301-313. Ref. Eng. Sum. 1975

034339 18 G31A
Preliminary remark to the problem area II: Feeding, milk yield and economical aspects of dairy cattle husbandry. (Ger) Meinhold, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 243-244. 1975

034340 18 G31A
Problems of feeding high yielding cows according to energy requirements. (Ger) Rohr, K; Kaufmann, W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 245-256. Ref. Eng. Sum. 1975

034341 18 G31A
The practical and economic significance of the simultaneous increasing of the frequency of milking and feeding for milk production on semi-automated dairy procedures. (Ger) Meinhold, K; Rosegger, S; Schlunsen, D; Walter, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 465-533. Ref. Eng. Sum. 1975

034342 18 G31A
The relative competitiveness of "complete diets" as opposed to individual component diets in milk production. (Ger) Meinhold, K; Walter, K *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 191 (Pt. 2): 334-361. Ref. Eng. Sum. 1975

034343 381 B522
Response of renal calcium-binding protein independence of kidney vitamin D hydroxylation [in chickens]. Bar, A; Hurwitz, S; Edelstein, S *Biochim Biophys Acta* 411 (1): 106-112. Ref. Nov 10, 1975

034344 389.8 B773
Biotin deficiency and fatty liver and kidney syndrome in chicks given purified diets containing different fat and protein levels. Whitehead, C C; Bannister, D W; Evans, A J; Siller, W G; Wight, P A L *Br J Nutr* 35 (1): 115-125. Ref. Jan 1976

034345 389.8 B773
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of fatty acids in the presence of bile salts [Sheep, feeding]. Lough, A K; Smith, A *Br J Nutr* 35 (1): 89-96. Ref. Jan 1976

034346 389.8 B773
Micellar solubilization of fatty acids in aqueous media containing bile salts and phospholipids [Sheep, feeding]. Smith, A; Lough, A K *Br J Nutr* 35 (1): 77-87. Ref. Jan 1976

034347 389.8 B773
The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep [Nutritional biochemistry]. Gawthorne, J M; Nader, C J *Br J Nutr* 35 (1): 11-23. Ref. Jan 1976

034348 22.5 M6932B
Demonstrative studies on large-scale farming of beef cattle in the southern Kyushu District. II. An experiment on fattening steer calves by open-air management. (Jpn) Kumazaki, K; Sasaki, Y; Harada, H; Hamakawa, H; Katayama, H *Bull Fac Agric Univ Miyazaki* 22 (1): 31-40. Eng. Sum. Oct 1975

034349 22.5 M6932B
Studies on the Misaki horse. III. Nutrient composition of main herbs and scrubs, and estimates of their nutrient intake. (Jpn) Kuroki, M; Ikeda, H; Kaseda, Y; Hoshino, M *Bull Fac Agric Univ Miyazaki* 22 (1): 93-97. Eng. Sum. Oct 1975

034350 100 F66S (1)
Supplemental feeding of steers on everglades pasture. Effect on pasture and feedlot performance and economics of production [Income]. Pate, F M; Hayes, B W; Beardsley, D W; Greene, R E L; Palmer, A Z; Carpenter, J W; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 775, 17 P. May 1975

034351 7 R31
Better use of forage for beef. MacDonald, D W *Can Agric* 20 (4): 3-6. Fall 1975

034352 7 R31
The diets of cattle and deer on rangeland. Willms, W; McLean, A; Ritcey, R; Low, D J *Can Agric* 20 (4): 21-23. Fall 1975

034353 41.8 C162
Influence of dietary levels of vitamin E and selenium of tissue and blood parameters in pigs. Young, L G; Lumsden, J H; Lun, A; Claxton, J; Edmeades, D E *Can J Comp Med* 40 (1): 92-97. Ref. Jan 1976

034354 49 C16
Start your health program by feeding right [Cattle]. Herrick, J *Cattlemen* 38 (11): 24. Nov 1975

034355 64.8 C883
Forage nutritive value and palatability of 12 common annual weeds. Marten, G C; Andersen, R N *Crop Sci* 15 (6): 821-827. Ref. Nov/Dec 1975

034356 412.628 D23
Arctic fox during the breeding period [Feeding]. (Dan) Madsen, H K *Dan Pelsdyravl* 38 (11): 388. Nov 20, 1975

034357 412.628 D23
Calorie requirements and feed consumption [Fur animals]. (Dan) *Dan Pelsdyravl* 38 (7): 227. July 20, 1975

034358 275.29 M66EX
Interpreting forage test results [Dairy cattle]. Strand, O E; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 297, Rev., 4 P. 1975

034359 SF985.F4
Feline dietetics [Cats]. Morris, M L *Feline Pract* 5 (6): 39-44. Nov/Dec 1975

034360 19 F75
Fattening swine in Austria with productive protein. (Ger) Rittmannsperger, F *Forderungsdienst* 23 (9): 298-300. Sept 1975

034361 26 H27
Early weaning and intensive fattening of lambs. (Heb) Laor, M *Hassadeh* 56 (2): 259. Nov 1975

034362 26 H27
Economic advantages of using citrus fruit peels for feeding [Cattle]. (Heb) Lev, B *Hassadeh* 56 (2): 233-234. Nov 1975

034363 26 H27
Effects of density and social order of the flock, and of length of feeding troughs, on the performance of layng hens rationed in feed. (Heb) *Hassadeh* 56 (2): 255. Nov 1975

034364 26 H27
Kids can be raised on limited amounts of milk substitutes. (Heb) Karasso, J *Hassadeh* 56 (2): 256-258. Nov 1975

034365 26 H27
Mashes of geese. (Heb) *Hassadeh* 56 (2): 254. Nov 1975

034366 100 AL1H
Choosing protein supplement for steer finishing rations. Harris, R R; Anthony, W B; Barrett, J E; McDaniel, N R; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 7. Winter 1975

034367 SF985.C3 1975
Nutrition and disease [Cats]. Scott, P P *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 131-144. Ref. 1975

034368 SF95.C63 1974
Feeding and replacement value of calcium hydroxide treated maize cobs for dairy cows. Darwish, A; Galal, A G *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 155-157. Ref. 1974 (Pub. 1975)

034369 SF95.C63 1974
Sugarcane as the basis for intensive animal production in the tropics [Cattle, feeding]. Preston, T R *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 69-83. Ref. 1974 (Pub. 1975)

034370 SF95.C63 1974
The feedingstuff potential of cashewnut scrap kernel meal [Rats, swine]. Fetuga, B L; Babatunde, G M; Oyenuga, V A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 201-207. Ref. 1974 (Pub. 1975)

034371 SF95.C63 1974
The nutritional value of conophor seed (Tetracarpidium conophorum Welw.) [Rats]. Oyenuga, V A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 161-166. 1974 (Pub. 1975)

034372 SF95.C63 1974
The use of coffee processing waste as animal feed [Calves]. Bressani, R; Cabezas, M T; Jarquin, R; Murrillo, B *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 107-117. Ref. 1974 (Pub. 1975)

034373 SF95.C63 1974
The use of fats and oils as a source of energy in mixed feeds [Chickens]. Fuller, H L *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 123-128. Ref. 1974 (Pub. 1975)

034374 SF95.C63 1974
The use of low quality forage in ruminant diets [Cattle]. Clarke, V J; Swan, H *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 129-137. Ref. 1974 (Pub. 1975)

034375 SF95.C63 1974
The use of some by-products in feed mixtures for animals [Cattle, sheep]. Abou-Raya, A K; Abou-Hussein, E R M; Abou-el Hassan, A; el-shinnawy, M M *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 159-160. 1974 (Pub. 1975)

034376 SF95.C63 1974
The use of waste bananas for swine feed. Clavijo, H; Maner, J *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 99-106. Ref. 1974 (Pub. 1975)

034377 SF95.C63 1974
The value of meat and bone meal as the major protein concentrate in the diet of weaners and fattening pigs in the tropics. Babatunde, G M; Fetuga, B L; Oyenuga, V A *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 141-146. Ref. 1974 (Pub. 1975)

034378 SF95.C63 1974
Tuber meals as carbohydrate sources in broiler rations [chickens]. Gerpacio, A L; Roxas, D B; Uichanco, N M; Roxas, N P; Custudio, C C; Mercado, C; Gloria, L A; Castillo, L S *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 151-154. Ref. 1974 (Pub. 1975)

034379 SF95.W3 1975
Poultry waste in a commercial feeding operation [Beef cattle, dairy cattle]. Lanctot, R *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 120-125. 1975

034380 44.8 IN28
Relative feed efficiency of crossbred cows for milk production. Pradhan, K; Singh, K; Balaine, D S *Indian J Dairy Sci* 28 (4): 241-244. Ref. Dec 1975

034381 44.8 IN28
Semen quality in relation to the nutrition of bulls—a review. Sampath, S R; Kumar, M N A *Indian J Dairy Sci* 28 (4): 229-240. Ref. Dec 1975

034382 442.8 IN2
Metabolism of urea in buffalo calves fed on diets of different crude protein content. Singh, U B; Varma, D N; Verma, A; Lal, M; Ranjhan, S K *Indian J Exp Biol* 13 (2): 160-162. Mar 1975

034383 SF481.I55
Apparent amino acid digestibility of feather meal with laying hens. Vogt, H; Stute, K *Indian Poult Rev* 7 (1): 75-77. Aug 15, 1975

034384 SF481.I55
Assessment of feeding value of extracted mustard cake in starting growing phase of chickens. Banerjee, G C; Mandal, L; Sarkar, S K *Indian Poult Rev* 7 (1): 79-82. Ref. Aug 15, 1975

034385 SF481.I55
Intermittent feeding and lighting of layers. Bell, D *Indian Poult Rev* 7 (L): 49-54. Aug 15, 1975

034386 SF481.I55
New foods for poultry. Tester, L *Indian Poult Rev* 6 (24): 867-868. Aug 1, 1975

034387 SF481.I55
Rubber seed meal as a potential feed ingredient for poultry. Rajaguru, A S B; Vohra, P *Indian Poult Rev* 7 (1): 73-74. Aug 15, 1975

034388 SF481.I55
The effect of various plant protein supplements on the growth of broilers. Bartlett, B E *Indian Poult Rev* 7 (1): 91-92. Aug 15, 1975

034389 SF481.I55
Where do we go from here in poultry nutrition. Panda, B; Rao, P V *Indian Poult Rev* 7 (1): 61-65. Aug 15, 1975

034390 41.8 IN2
Analysis of Cassia tora (Chirota seeds) from Indore division of Madhya Pradesh [Feed, cattle]. Bhaid, M U *Indian Vet J* 52 (12): 961. Dec 1975

034391 41.8 IN2
Nutritive value of dried sugarbeet pulp (Beta saccharifer) [Buffalo bulls]. Arora, S P; Singh, N; Ludri, R S; Mehta, A K *Indian Vet J* 52 (12): 942-943. Dec 1975

034392 77.8 IN3
Influence of the presence of rape cake in the chicken feed on egg laying performances. (Fre) Calet, C *Inf Tech Cent Tech Int Prof Ol Metrop* 46: 21-34. Sept/Oct 1975

034393 20 M57AG
Experience in the use of enzyme preparations in livestock nutritions [Chickens, turkeys, swine]. (Ger) Gyarfas, A P; Toth, M *Int Z Landwirtsch* 6: 676-678. 1975

034394 20 M57AG
Fattening early weaned lambs. (Ger) Veress, L; Kakuk, T; Stosz, J *Int Z Landwirtsch* 5: 549-554. 1975

034395 20 M57AG
Possibilities of substituting feeds of animal origin by plant protein feeds in broiler production. (Ger) Marinov, B *Int Z Landwirtsch* 5: 554-559. 1975

034396 20 M57AG
Swine feeding in industrial units. (Ger) Osuchowski, T *Int Z Landwirtsch* 5: 547-549. 1975

034397 20 M57AG
Use of field beans in swine fattening [Effects of feeding]. (Ger) Poppe, S; Schlage, M; Wiesemuller, W *Int Z Landwirtsch* 6: 673-676. 1975

034398 10 J822
A comparison of supplementary sources of nitrogen and energy for increasing the voluntary intake and utilization of barley straw by sheep. Barry, T N; Johnstone, P D *J Agric Sci (Camb)* 86 (1): 163-169. Feb 1976

034399 10 J822
A study of the effects of diet composition, within the pounds of normal diversity, on the characteristics of backfat lipid in pigs. Pearce, J; Walker, N *J Agric Sci (Camb)* 86 (1): 77-82. Ref. Feb 1976

034400 10 J822
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, silage and pasture differing in digestibility. Barry, T N *J Agric Sci (Camb)* 86 (1): 141-149. Ref. Feb 1976

034401 10 J822
Effects of simultaneous reductions of food intake and dietary protein concentration on the growth and carcass quality of bacon pigs. Fuller, M F; English, P R; Livingstone, R M; Crofts, R M J *J Agric Sci (Camb)* 86 (1): 7-16. Ref. Feb 1976

034402 10 J822
The effect of a reduction in food intake during late pregnancy on nitrogen metabolism in ewes. Guada, J A; Robinson, J J; Fraser, C *J Agric Sci (Camb)* 86 (1): 111-116. Ref. Feb 1976

034403 10 J822
The grazing feed intake of Hereford and Brahman cross cattle in a cool temperate environment. Moran, J B *J Agric Sci (Camb)* 86 (1): 131-134. Ref. Feb 1976

034404 49 J82
Acidity and proteolysis as factors affecting the nutritive value of corn silage [Calves]. Wilkinson, J M; Huber, J T; Henderson, H E *J Anim Sci* 42 (1): 208-218. Ref. Jan 1976

034405 49 J82
Biuret as a source of supplemental nitrogen for wintering beef cows. Martin, L C; Amerman, C B; Burns, W C; Koger, M *J Anim Sci* 42 (1): 21-26. Ref. Jan 1976

49 J82
Breed, line, sex and diet effects and interactions in swine carcass traits. Bereskin, B; Davey, R J *J Anim Sci* 42 (1): 43-51. Ref. Jan 1976

49 J82
DDT analog depletion patterns in steers [Gin trash, residues]. Martin, W L; Rogers, R W; Essig, H W; Pund, W A *J Anim Sci* 42 (1): 196-200. Ref. Jan 1976

034406 49 J82
Effect of level of supplemental energy fed grazing steers on performance during the pasture and subsequent drylot period. Coleman, S W; Pate, F M; Beardsley, D W *J Anim Sci* 42 (1): 27-35. Ref. Jan 1976

034407 49 J82
Effect of monensin fed with forage on digestion and the ruminal ecosystem of steers. Dinius, D A; Simpson, M E; Marsh, P B *J Anim Sci* 42 (1): 229-234. Ref. Jan 1976

034408 49 J82
Effect of supplemental selenium on performance and deposit of selenium in blood and hair of finishing beef cattle. Perry, T W; Beeson, W M; Smith, W H; Mohler, M T *J Anim Sci* 42 (1): 192-195. Ref. Jan 1976

034409 49 J82
Effects of a diet containing 40 percent dried whey on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester white pigs. Ekstrom, K E; Grummer, R H; Benevenga, N J *J Anim Sci* 42 (1): 106-113. Ref. Jan 1976

034410 49 J82
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. Prior, R L *J Anim Sci* 42 (1): 160-167. Ref. Jan 1976

034411 49 J82
Effects of drying on forage quality of alfalfa and reed canarygrass [Phalaris arundinacea] fed to lambs. Donker, J D; Marten, G C; Jordan, R M; Bhargava, P K *J Anim Sci* 42 (1): 180-184. Ref. Jan 1976

034412 49 J82
Effects of type and variety and stage of maturity on feeding values of cereal silages for lambs. Bolsen, K K; Berger, L L *J Anim Sci* 42 (1): 168-174. Ref. Jan 1976

034413 49 J82
Lysine requirement for reproduction in swine. Woerman, R L; Speer, V C *J Anim Sci* 42 (1): 114-120. Ref. Jan 1976

034414 49 J82
Nutritional studies with the early weaned neonatal pig [Baby pigs]. Menge, H; Frobish, L T *J Anim Sci* 42 (1): 99-105. Ref. Jan 1976

034415 49 J82
Salt supplementation of corn-soy diets for swine. Hagsten, I; Cline, T R; Perry, T W; Plumlee, M P *J Anim Sci* 42 (1): 12-15. Ref. Jan 1976

034416 49 J82
Source and level of phosphorus for growing-finishing swine [in barley-soybean meal diets]. Newman, C W; Elliott, D O *J Anim Sci* 42 (1): 92-98. Ref. Jan 1976

034417 49 J82
Use of poultry manures in steer finishing rations. Cullison, A E; McCampbell, H C; Cunningham, A C; Lowrey, R S; Warren, E P; McLendon, B D; Sherwood, D H *J Anim Sci* 42 (1): 219-228. Ref. Jan 1976

034418 49 J82
Wheat, barley and corn silages for growing steers and lambs. Bolsen, K K; Berger, L L; Conway, K L; Riley, J G *J Anim Sci* 42 (1): 185-191. Ref. Jan 1976

034419 389.8 J823
Effect of addition of formaldehyde on the dietary value of milk for mice and its quality. Prasad, S S; Brown, M A *J Food Sci Tech* 12 (4): 183-185. July/Aug 1975

034420 44.8 SO12
Diet and milk protein production [Cattle]. Thomas, P C *J Soc Dairy Technol* 29 (1): 31-37. Ref. 1976

034421 442.8 J8223
A theory of animal weight response to controlled feeding. Parks, J R *J Theor Biol* 55 (2): 381-391. Ref. Dec 1975

034422 442.8 J8223
The animal growth phase plane [Feeding]. Parks, J R *J Theor Biol* 55 (2): 371-380. Ref. Dec 1975

034423 49 N62
Catabolism of fatty acids by chicken liver homogenates incubated with margaric, stearic and linoleic acids [Animal nutrition]. Koh, T S; Tasaki, I *Jap J Zootech Sci* 46 (10): 581-584. Ref. Oct 1975

034424 49 N62
Rate of passage of chromic oxide and polyethylene glycol and digestibility in the digestive tract of pigs. Furuya, S; Takahashi, S *Jap J Zootech Sci* 46 (11): 630-641. Ref. Nov 1975

034425 49 N62
Ruminal properties and plasma free amino acids of cows fed purified diets containing urea or soy protein together with rice straw. (Jpn) Abe, M; Shibui, H; Iriki, T *Jap J Zootech Sci* 46 (11): 621-629. Ref. Eng. Sum. Nov 1975

034426 49 N62
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of digestible crude protein to total digestible nutrients of feedstuffs. (Jpn) Ohara, M; Kimura, N; Shinozaki, S *Jap J Zootech Sci* 46 (10): 565-573. Ref. Eng. Sum. Oct 1975

034427 49 N62
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. Ishibashi, T; Kametaka, M *Jap J Zootech Sci* 46 (10): 574-580. Oct 1975

034428 41.8 K67
Digestibility of ground by-products (forestomach) of slaughter cattle used in dog nutrition. (Ger) Drochner, W *Kleintier Prax* 20 (7): 218-221. Eng. Sum. Oct 1975

HD1491.G3K6
Contribution to the planned concentration and specialization of feed production [Cattle]. (Ger) Jahn, W *Kooperation* 9 (12): 532-534. Dec 1975

034429 HD1491.G3K6
Problems of economizing in feed consumption. (Ger) Felkl, H; Ruttloff, D; Lehnhardt, W; Gericke, H; Marschall, G *Kooperation* 9 (11): 496-498. Nov 1975

034430 11 L2322
Grain quality and swine production. (Dan) Jacobsen, K A *Landbo Nyt* 29 (8): 444-445, 447-448. Aug 1975

034431 11 L2322
Nitrovin for swine [Feed supplements]. (Dan) Jacobsen, K A *Landbo Nyt* 29 (11): 604, 606. Nov 1975

034432 11 L2322
Selenium for swine [Feeding]. (Dan) Jacobsen, K A *Landbo Nyt* 29 (10): 581-582, 584. Oct 1975

034433 11 L236
Feed concentrates as meal, grain, or pellets for laying hens? (Nor) Raastad, N *Landbrukstidende* 81 (39): 839, 841. Sept 27, 1975

034434 11 L236
Transition from [winter feeding] to pasture and summer feeding of dairy cows. (Nor) Weie, O K *Landbrukstidende* 81 (29): 636-637. July 19, 1975

034435 SD1.L44
Forest regeneration of lignite mine terraces of the Dnieperarea and its limiting factors. (Rus) Keleberda, T N; Zharomskii, V IA *Lesovod Agrolesomelior* 41: 26-33. 1975

034436 43.9 L932
Acceptability of grass fed beef [Feeding, consumer preference]. Bidner, T D; Schupp, A R; McKnight, W F; Carpenter, J C Jr; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 38-46. 1976

034437 43.9 L932
Coastal Bermuda [Cynodon dactylon] for grazing and hay production [Feeding beef cattle]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 174-176. 1976

034438 43.9 L932
Comparative management programs for lamb production [Feeding]. Boulware, R F; Hembry, F G; Schilling, P E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 237-238. 1976

034439 43.9 L932
Comparison of the digestibility of various sorghum grain varieties [Beef cattle]. White, T W; Reynolds, W L; Hembry, F G; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 181-184. 1976

034440 43.9 L932
Comparisons of ground and whole shelled corn, roughage supplements and potassium and cobalt additions in finishing beef steers. Bagley, C P; Hembry, F G; McCormick, M E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 190-194. 1976

034441 43.9 L932
Digestibility of finishing rations containing milled rice or corn [Beef cattle]. White, T W; Hembry, F G; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 210-211. 1976

034442 43.9 L932
Effect of age and sex on growth rate of beef cattle fed high roughage rations. Reynolds, W L; DeRouen, T M; Harpel, R A; White, T W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 206-209. 1976

034443 43.9 L932
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and feedlot finishing programs [Beef cattle]. Hembry, F G; Bagley, C P; Wright, R F; Peterson, F J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 195-197. 1976

034444 43.9 L932
Effects of nutritional management systems on reproductive performance of dairy cross cows. Humes, P E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 11-16. 1976

034445 43.9 L932
Influence of length of feeding period, ration and breed on steer growth rate. Reynolds, W L; Davis, J H; Harpel, R A; Knox, J W; DeRouen, T M; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 198-205. 1976

034446 43.9 L932
Nutrient content and digestibility of permanent pasture [Beef cattle]. Rome, J M; Smart, L I; Coombs, D F; Perkins, J M; Hembry, F G; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 185-189. 1976

034447 43.9 L932
Relationship between nutrition and heredity in swine and beef cattle. Lasley, J F; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 2-10. Ref. 1976

034448 43.9 L932
The influence of sodium acetate in rations for finishing beef cattle. White, T W; Hembry, F G; Reynolds, W L; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 212-214. 1976

034449 49 L758
Winter-time care will decide fate of your 'keeping' heifers. Ensminger, M E *Livest Breed J* 18 (12): 12, 14. Dec 1975

034450 19 M577
Rumination of cattle affects production. (Hun) Szilagyi, Z *Mezogazd Vilagirodalom* 17 (5): 363-364. 1975

034451 18 N39
Animal improvement with maize [Cattle, swine]. (Ger) Augustin, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1270-1271. Dec 4, 1975

034452 100 N813B
Evaluation of "piegon grass" screenings as a component of rations for growing-finishing pigs. Harrold, R L; Johnson, J N; Dinusson, W E; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 8-10. Sept/Oct 1975

034453 SF233.A8N4
Using sugarcane as dairy cattle fodder. Keath, C T; McLeod, H S *N S W Dairyman* 31: 10-12. July 1975

034454 RC620.A1N8
Correlation of vitamin A and zinc concentration of seminal plasma to fertility of bovine semen. Swarup, D; Sekhon, H *Nutr Rep Int* 13 (1): 37-42. Ref. Jan 1976

034455 RC620.A1N8
Hereditary influence on zinc requirements of mice. Reis, R L; Evans, G W *Nutr Rep Int* 13 (2): 213-224. Ref. Feb 1976

034456 RC620.A1N8
Relationship of supplemental biotin, phosphorus level and calcium level to reproductive performance of turkeys. Atkinson, R L; Bradley, J W; Couch, J R; Ferguson, T M; Krueger, W F *Nutr Rep Int* 13 (2): 237-246. Ref. Feb 1976

034457 RC620.A1N8
The protective effect of vitamin E and selenium against methyl mercury toxicity in the Japanese quail. Welsh, S O; Soares, J H Jr *Nutr Rep Int* 13 (1): 43-51. Ref. Jan 1976

034458 100 OH3S (3)
Minimum concentrate feeding for efficient milk production [Dairy cattle]. Hibbs, J W; Conrad, H R; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 91-94. Nov/Dec 1975

034459 HD9435.N45P6
A preliminary evaluation of mecadox [in pig feeds]. Hargreaves, K; Baker, J W *Pork Ind Gaz* 5 (4): 21-22. July/Aug 1975

034460 HD9435.N45P6
The use and abuse of antibacterial drugs in pig feed. Blackie, M J *Pork Ind Gaz* 5 (4): 17, 19. July/Aug 1975

034461 SF481.P64
How to economise on feed. Reddy, V R; Vaidya, S V *Poult Guide* 12 (10): 21-29. Ref. Oct 1975

034462 SF481.P68
Vitamins for poultry. Ward, J B; North Carolina State University Agricultural Extension Service *Poult Pointers* 3 P. Feb 1976

034463 281.9 B87
Animal consumption of cereals in 1974-1975. (Fre) Gatel, P *Prod Agric Fr* 51 (179): 7-8. Nov 1, 1975

7 C16PU
Growing and using fababeans [as feed]. *Publ Agric Can* 1540, 21 P. 1975

7 C16PU
Mink management and nutrition. *Publ Agric Can* 1566, 39 P. 1975

034464 S543.V5V5
A comparison of rations for suckling lambs on heavily stocked permanent pastures. Copenhaver, J S; Carter, R C; McClaugherty, F S; Williams, W B; Bibb, T L *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 71-72. July 1975

034465 S543.V5V5
A two-year comparison of fortified corn silage and alfalfa hay (mixed) for wintering ewes. Copenhaver, J S; Carter, R C; Williams, W B *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 73-76. July 1975

034466 S543.V5V5
Digestibility of untreated and sodium hydroxide treated steer fecal waste. Lucas, D M; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 115-122. July 1975

034467 S543.V5V5
Digestibility of nutrients from alfalfa hay, corn and oats by ponies. Carle, C J; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 151-156. July 1975

034468 S543.V5V5
Effect of dietary potassium level on utilization of magnesium by sheep fed different magnesium levels. Frye, T M; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 80-95. July 1975

034469 S543.V5V5
Evaluation of roasted corn and soybeans for swine. Thomas, H R; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 190-192. July 1975

034470 S543.V5V5
Failure of supplemental zinc-proteinate, zinc sulfate and methionine to stimulate growth rate and feed efficiency of swine. Kornegay, E T; Thomas, H R *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 186-189. July 1975

034471 S543.V5V5
Fermentation, utilization and palatability of broiler litter ensiled with high moisture corn grain [Sheep, cattle]. Caswell, L F; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 132-150. July 1975

034472 S543.V5V5
Magnesium supplementation of beef cows on pasture with mixtures containing different levels of cottonseed meal. Frye, T M; Fontenot, J P; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 112-114. July 1975

034473 S543.V5V5
Management and nutrition of early weaned pigs. 2. Effect ofvarying levels of fiber in the diet upon incidence of scours, performance and survival. Kornegay, E T; Blaha, J D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 173-175. July 1975

034474 S543.V5V5
Management and nutrition of early weaned pigs. 3. A comparison between machine-fed and hand-fed pigs. Blaha, J D; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 176-178. July 1975

034475 S543.V5V5
Nutritional status of Thoroughbred horses. Fontenot, J P; Carle, J; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 164-169. July 1975

034476 S543.V5V5
Nutritive value of swine feces for swine. Holland, M R; Kornegay, E T; Hedges, J D *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 202-207. July 1975

034477 S543.V5V5
Performance and liver copper levels of beef heifers fed broiler litter. Webb, K E Jr; Fontenot, J P; McClure, W H *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 128-131. July 1975

034478 S543.V5V5
Supplementing phosphorus to young Thoroughbred horses. Fontenot, J P; Carle, J; Webb, K E Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 157-163. July 1975

034479 S543.V5V5
Systems of fattening cattle in southwest Virginia. McClaugherty, F S; Fontenot, J P; Kelly, R F; Wise, M B; Carter, R C *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 18-22. July 1975

034480 S543.V5V5
The effect of dietary zinc, calcium and the previous zinc nutrition of the sow on growth of progeny. Hedges, J D; Thomas, H R; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 183-185. July 1975

034481 S543.V5V5
Two levels of supplemental protein for performance testing bulls on corn silage. Minish, G L; McKinnon, B R *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 14-17. July 1975

034482 S543.V5V5
Zeranol implantation in grazing heifers and in combination with melengestrol acetate in feedlot-fed heifers. Fontenot, J P; Kelly, R F *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 77-79. July 1975

034483 S1.U7
Nutritional value of three varieties of alfalfa hay from two harvest systems. Anderson, M J; Waldo, D R; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 24, 14 P. Ref. Dec 1975

034484 49 P943
Big gain in weight of lambs submitted to intensive fattening, led to intensive fattening, fed with adequate rations. (Rum) Calatoiu, A; Vicovan, A; Cusa, S *Rev Cresterea Anim* 26 (6): 41-47. June 1975

034485 49 P943
Technological flux in fattening lambs and sheep. (Rum) Coman, M *Rev Cresterea Anim* 26 (5): 48-50. June 1975

034486 470 SCI2
The fatted calf: more weight grain with less feed. Maugh, T H II *Science* 191 (4226): 453-454. Feb 6, 1976

034487 S13.S44
Alimentary reactivity in sheep. (Rus) P'ianov, V D *S-kh Biol* 10 (3): 460-462. May/-June 1975

034488 S13.S44
Carbohydrate-fat metabolism in the digestive system of calves fed milk with the addition of formaline. (Rus) Soldatenkov, P F; Boiarintseva, G G *S-kh Biol* 10 (4): 579-582. Ref. Eng. Sum. July/Aug 1975

034489 S13.S44
Connection of the fineness of fleece with feeding conditions and their seasonability in sheep. (Rus) Mezentsev, E G; Babkina, E M; Karabashkin, I V *S-kh Biol* 10 (3): 415-420. Eng. Sum. May/June 1975

034490 S13.S44
Effect of protein nutrition on nitrogenous metabolism in swine. (Rus) Kosharov, A N; Antova, M D; Materikina, M I; Shurovskii, A G; Kosharova, L M *S-kh Biol* 10 (1): 82-87. Ref. Eng. Sum. Jan/Feb 1975

034491 S13.S44
Functional load of calcium as a test of the mineral supply of ruminants. (Rus) Ptashkin, A A; Cherepanov, G G; Krivtsov, I L; Dolgova, M S; Grebennikov, B L *S-kh Biol* 10 (1): 67-69. Eng. Sum. Jan/Feb 1975

034492 S13.S44
Growth of broilers and the utilization of the energy of feed as effected by the addition of DL-triptophane. (Rus) Grigor'ev, N G; Suprunov, O V *S-kh Biol* 10 (2): 264-267. Ref. Eng. Sum. Mar/Apr 1975

034493 S13.S44
Partial replacement of protein with carbamide in feeding rations and its effect on the concentration of free amino acids in the digestive tract of cattle. (Rus) Aksenova, G V; Skorodinskii, Z P; Ganin, M D; Karpiuk, V N *S-kh Biol* 10 (3): 412-414. Eng. Sum. May/June 1975

034494 100 OR3M
Effect of soybean meal, extruded soybeans and ground, raw soybeans on the performance of White Leghorn layers. Arscott, G H; Oregon Agricultural Experiment Station *Spec Rep Oreg State Univ Agric Exp Stn* 448, 6 P. Ref. Dec 1975

034495 41.8 F49
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. (Fin) Kukkula, M; Berger, R; Hintikka, E L *Suom Elainlaakaril* 81 (13): 559-563, 566. Eng. Sum. Dec 1975

034496 49 T443
Analysis of feed economy at the Wildberg industrial swine fattening plant, in the Neuruppin district [Nutritive value, livestock managment]. (Ger) Lehmann, M; Nehl, S; Rosentrager, W *Tierzucht* 29 (11): 512-515. Nov 1975

034497 49 T443
Experience gained in the summer (outdoor) fattening of young bulls. (Ger) Ritter, S; Ehrhardt, E; Flachowsky, G; Lohnert, H J *Tierzucht* 29 (9): 396-397. Sept 1975

034498 49 T443
Influence of feeding level on the fattening performance and carcass quality of Black Pied bulls. (Ger) Papstein, H J; Otto, E; Tilsch, K *Tierzucht* 29 (11): 501-503. Nov 1975

034499 49 T443
Nutritional regime of a grist-free extraction fed to high-performance cows—results of a one-year production experiment on 2000 cows. (Ger) Piatkowski, B; Peters, H; Grotelah, A; Becker, F; Wolf, H; Wolde, H J *Tierzucht* 29 (11): 487-489. Nov 1975

49 T443
Proposals for the organization of forage supply on livestock cooperative farms with several lines of production [East Germany]. (Ger) Bruckner, H; Schleitzer, G; Spitzer, A *Tierzucht* 29 (11): 495-498. Nov 1975

034500 49 T443
The influence of different feeding intensities on the fattening and slaughter performance of young bulls. (Ger) Weiher, O; Neumann, W; Nicol, R; Baudisch, H P *Tierzucht* 29 (9): 390-392. Sept 1975

034501 410 V42
Availability and nutritional value of feed [Fur animals]. (Swe) Alden, E *Vara Palsd* 46 (12): 281-283, 285. Dec 15, 1975

034502 410 V42
Feed standards for mink. (Swe) Hillemann, G; Nielsen, J J *Vara Palsd* 43 (6): 82-83, 85-89. Mar 15, 1975

034503 410 V42
Feeding Arctic foxes. (Swe) Alden, E *Vara Palsd* 46 (7): 171-172, 175. July 15, 1975

034504 410 V42
Inspection of mink pups [Nutrition]. (Swe) Udris, A *Vara Palsd* 46 (4): 104. Apr 15, 1975

034505 410 V42
Poultry manure as feed for mink. (Swe) Alden, E; Stahle, G *Vara Palsd* 46 (4): 96-97, 99. Apr 15, 1975

034506 105.9 L65V
Biological test of fodder quality after pasture fertilization experiments. (Ger) Hahn, J; Aehnelt, E *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 227-245. 1975

034507 105.9 L65V
Energy and crude fiber content of feed and fertility disorders in cows. (Ger) Lengauer, E *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 199-211. Ref. 1975

034508 20 AK16
Carbohydrate concentrates as an essential additive for cows on sown pastures. (Rus) Bakanov, V N; Davydova, L P; Ovisishcher, B R *Vestn S-kh Nauki (Alma-Ata)* 10: 77-83. Eng. Sum. Oct 1975

034509 20 AK16
Effect of granular feeds on metabolism in sheep. (Rus) Gerasimovich, E I; Kvetkovskaia, A V *Vestn S-kh Nauki (Alma-Ata)* 10: 83-87. Eng. Sum. Oct 1975

034510 41.8 V6439
Dynamics of some N [nitrogen] metabolites in the blood serum of lambs in combined feeding conditions. (Slo) Skalka, J; Vrzgula, L *Veterinarstvi* 25 (6): 272-273. 1975

034511 41.8 V6439
Experiences from the group rearing of calves from birth to the end of the milk diet period. (Slo) Sokol, J; Kotes, A; Parizek, J *Veterinarstvi* 25 (5): 226-228. 1975

034512 41.8 V6439
Participation of veterinary service in solving the problem of feed proteins. (Slo) Ciernik, J *Veterinarstvi* 25 (11): 490-492. 1975

034513 41.8 V6439
Problems of dairy cow nutrition in winter period. (Cze) Machycek, V *Veterinarstvi* 25 (11): 486-487. 1975

034514 41.8 V6439
Rational use of feeds in animal production. (Cze) Petrik, M *Veterinarstvi* 25 (6): 241-243. 1975

034515 41.8 V6439
Roboran H, a new vitamin preparation for fur-bearing and small domestic animals. (Cze) Caslavka, J; Broz, J; Reichel, F *Veterinarstvi* 25 (7): 326-327. 1975

034516 41.8 V6439
Role of aminoacids and specific efficiency-possessing substances in treating the protein-deficit balance [Livestock, feeding]. (Cze) Sevcik, B *Veterinarstvi* 25 (11): 484-485. 1975

034517 41.8 V6439
Some comments on the effect of leguminous plants on health conditions of farm animals. (Cze) Slesinger, L *Veterinarstvi* 25 (11): 488-490. 1975

034518 41.8 V6439
Some information of swine fattening in the Jindrichuv Hradec district. (Cze) Homola, L *Veterinarstvi* 25 (5): 217-218. 1975

034519 41.8 V6439
Testing of Mecadox, a nonantibiotic growth stimulant, for swine fattening in field conditions. (Cze) Bouska, J; Mican, P *Veterinarstvi* 25 (4): 175-178. 1975

034520 20 V82
Digestibility and the use of nutrients of green feeds by lactating cows. (Ukr) Vudmacka, V IU; Lesiv, IA M *Visn Sil's'kohospod Nauki* 11: 68-71. Nov 1975

034521 20 V82
Gas-energy exchange in swine when there is a change in feeding norms. (Ukr) Kovalenko, M A; Horilei, S I *Visn Sil's'kohospod Nauki* 11: 79-82. Nov 1975

034522 20 V82
Structural changes in [wheat] straw as affected by rumen microflora [Cattle, feed digestibility]. (Ukr) Sivers, V S; Spravtsev, M Kh *Visn Sil's'kohospod Nauki* 11: 102-104. Nov 1975

034523 20 V82
The effect of grass meal on metabolic processes in the body and on productivity of young cattle. (Ukr) Koval's'kyi, IE M; Liubinets', Z A; Nakonechna, IA IA; Tys, K O *Visn Sil's'kohospod Nauki* 11: 75-79. Nov 1975

034524 20 V82
The feeding of alfalfa juice and the meat quality in swine [Pork]. (Ukr) Kinzburz'kyi, Z S; Naumenko, V I; Tarasenko, A D *Visn Sil's'kohospod Nauki* 10: 85-88. Oct 1975

034525 389.79 F98
Digestibility for swine of fresh, ensiled and dried chopped maize cobs. (Ger) Roth-Maier, D A; Kirchgessner, M *Wirtschseig Futter* 21 (3): 211-224. Ref. Eng. Sum. Third Quarter 1975

034526 389.79 F98
Digestibility of rations made of maize plants and poultry manure [Sheep]. (Ger) Zgajnar, J *Wirtschseig Futter* 21 (3): 233-239. Ref. Eng. Sum. Third Quarter 1975

034527 389.79 F98
The nutritive value of dried potato and maize pulps for swine. (Ger) Roth, F X; Kirchgessner, M *Wirtschseig Futter* 21 (3): 225-232. Ref. Eng. Sum. Third Quarter 1975

034528 389.78 Z3
In vitro synthesis of lipids in relation to some hematological indexes in rats. 1. High cellulose, low fat content in feed. (Ger) Jakobsen, P E; Rotenberg, S; Jensen, K A *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 48-55. Ref. Eng. Sum. Nov 1975

034529 389.78 Z3
Roughage-containing feed mixtures as complete diets for dairy cows. (Ger) Rohr, K; Oslage, H J *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 18-30. Ref. Eng. Sum. Nov 1975

034530 389.78 Z3
The beginning of science in animal nutrition by Justus von Liebig and Wilhem Henneberg. (Ger) Brune, H; Niemann, E *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 6-17. Eng. Sum. Nov 1975

034531 389.78 Z3
The 150th birthday of Wilhelm Henneberg, September 10, 1975 [Animal nutrition]. (Ger) Lenkeit, W *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 1-5. Ref. Nov 1975

034532 49 Z65
Blood ketone body content of ewes administered propionic acid with concentrated forage for a long time. I. (Bul) Rusev, V; Ganchev, G I *Zhivotnovud Nauki* 12 (3): 34-38. Ref. Eng. Sum. 1975

034533 49 Z65
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at normal protein level. (Bul) Bal'ozov, D; Petkova, G; TSanov, TS S; Aleksandrov, M; Lalov, N; Sandev, S G *Zhivotnovud Nauki* 12 (3): 62-67. Eng. Sum. 1975

034534 49 Z65
Comparative study on the effect of fattening Bulgarian Brown bull calves and F1 Black Pied crosses. (Bul) Papurov, Kh *Zhivotnovud Nauki* 12 (3): 13-18. Ref. Eng. Sum. 1975

034535 49 Z65
Effect of enzyme preparation addition to mixtures for early weaned piglets and broiler chickens. (Bul) Cheshmedzhiev, B; Mircheva, D; Vulkanov, G *Zhivotnovud Nauki* 12 (3): 56-61. Ref. Eng. Sum. 1975

034536 49 Z65
Egg thickness as affected by calcium level in laying hen ration. (Bul) Iovchev, N; Sharlanov, D *Zhivotnovud Nauki* 12 (3): 68-72. Ref. Eng. Sum. 1975

034537 49 Z65
Problem of standardizing calcium and phosphorus in relation to feeding cattle. (Bul) Peteva, Z; Ilieva, I *Zhivotnovud Nauki* 12 (3): 104-110. 1975

034538 49 Z65
Study of the effect of forage mixtures with stabilized and non-stabilized knackery fat, used after storage, for fattening pigs. (Bul) Evtimova, L; Totev, T *Zhivotnovud Nauki* 12 (3): 48-55. Ref. Eng. Sum. 1975

LIVESTOCK BREEDING

034539 19 AC8
Comparative study on the breeding performance of various breed sows kept under large-scale conditions. Csire, L; Veszely, P; Simon, D *Acta Agron (Budap)* 24 (3/4): 257-267. 1975

034540 19 AC8
Methodological questions of pig hybridization. Anker, A *Acta Agron (Budap)* 24 (3/4): 361-379. 1975

034541 448.8 AC85
Bovine plasma oestrogens, progesterone and glucocorticoids during dexamethasone induced parturition. Evans, L E; Wagner, W C *Acta Endocrinol* 81 (2): 385-397. Ref. Feb 1976

034542 448.8 AC8
Red cell and total blood volumes during sexual excitement and copulation in the boar. Kolczak, T; Ewy, Z; Bobek, S; Wierzchos, E *Acta Vitaminol Enzymol* 26 (4): 399-406. Ref. 1975

034543 448.8 AC8
The effects of indoleamines (serotonin and melatonin) on induction of ovulation in rabbits. Przekop, F; Skubiszewski, B; Domanski, E *Acta Vitaminol Enzymol* 26 (4): 395-398. Ref. 1975

034544 448.8 AC8
The role of catecholamines in stimulating the release of pituritary ovulating hormone(s) in sheep. Przekop, F; Skubiszewski, B; Wolinska, E; Domanski, E *Acta Vitaminol Enzymol* 26 (4): 433-437. 1975

034545 41.8 AD9
The endocrinologic changes of gestation and parturition in the sheep. Cox, R I *Adv Vet Sci Comp Med* 19: 287-305. Ref. 1975

034546 43.8 AF8
Beef cattle improvement. Lecture delivered Africander Cattle Breeders' gahering, POtschefstroom, May 1975 [Breeds]. (Afr) Eloff, M *Afrikanerbees J* 20 (3): 17-19, 21, 23, 25. Sept 1975

034547 43.8 AF8
Performance and progeny testing of beef cattle with special reference to Africander Cattle. (Afr) Bosman, D J *Afrikanerbees J* 20 (3): 41-55. (11 P. Not Consecutive) Sept 1975

034548 43.8 AF8
The marketing of 2 1/2 year old Africander slaughter steersof the veld [Breed performance]. (Afr) Vorster, T H *Afrikanerbees J* 20 (3): 27, 30-32. Sept 1975

034549 S16.H8A32
Breedng of the Murakozi breed. (Hun) Ocsag, I; Patay, S *Agrar Tud Egy Kozl (Godollo)* P. 75-95. Ref. Eng. Sum. 1974

034550 S16.H8A32
Experiences on the acclimatization of the Limousine cattle breed at the Hajduszoboszlo State Farm [Hungary]. (Hun) Soltesz, I; Zsikla, Gy *Agrar Tud Egy Kozl (Godollo)* P. 97-104. Eng. Sum. 1974

034551 24 EG94
"The Golden Montazah", a new hybrid of chickens. Mahmoud, T H; Sayed, I F; Madkour, Y H *Agric Res Rev* 52 (7): 51-60. Ref. July 1974 (Pub. 1975)

034552 15 AG84
The military herd [Horses, breeds]. (Spa) Pozo Pelayo, C del *Agricultura (Madr)* 44 (517): 368-373. May 1975

034553 19.5 AG8
Names of breeds of domestic animals [in Slovak and its local dialects]. (Slo) Palkovic, K *Agrikultura* 13: 85-98. 1975

034554 49 C43
New breeds of swine: Chester White and Spotted swine. 1. Their characteristics and economic aspects. (Jpn) Hidaka, R *Anim Husb* 29 (7): 975-978. July 1975

034555 49 C43
Ova of mammals. 7. Ovulation [Livestock]. (Jpn) Sakuma, Y; Ishijima, Y *Anim Husb* 29 (7): 1003-1009. Ref. July 1975

034556 49 C43
Relationship of fertility index to the growth of Japanese native calves. 1. (Jpn) Sato, J *Anim Husb* 29 (7): 925-928. July 1975

034557 49 AN55
Evaluation of female reproductive performance of 28 one-way crosses produced from eight breeds of swine. Holtmann, W B; Fahmy, M H; MacIntyre, T M; Moxley, J E *Anim Prod* 21 (3): 199-207. Ref. Dec 1975

034558 49 AN55
Factors affecting the cessation of estrus activity in ewes [Sheep]. Speedy, A W; Owen, J B *Anim Prod* 21 (3): 251-255. Dec 1975

034559 49 AN55
Fertility differences between groups of sires relative to the stage of estrus at the time of insemination [Dairy cattle]. Macmillan, K L; Watson, J D *Anim Prod* 21 (3): 243-249. Ref. Dec 1975

034560 49 AN55
Mating of sows during lactation: observations from a commercial unit. Rowlinson, P; Boughton, H G; Bryant, M J *Anim Prod* 21 (3): 233-241. Ref. Dec 1975

034561 49 AN55
Performance of purebred and crossbred dairy cattle in Thailand. Madsen, O; Vinther, K *Anim Prod* 21 (3): 209-216. Dec 1975

034562 49 AN55
Polledness and intersexuality in the Damascus breed of goat. Hancock, J; Louca, A *Anim Prod* 21 (3): 227-231. Ref. Dec 1975

034563 SF998.A1A55
Quarantine [storage period] for cattle semen reduced. *Anim Quar* 4 (2): 18. Sept 1975

034564 16 M582
Heredity and infectious diseases of domestic animals [Resistance breeding]. (Ita) Piana, G; Galizzi Vecchiotti Antaldi, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 396-447. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

034565 QH431.A1A52
Blood genetic markers in two breeds of ponies from Poland. (Fre) Podliachouk, L; Kaminski, M; Zwolinski, J; Beaud, R; Pigache, F; Sykiotis, M; Genna, J M; Cholewinski, G *Ann Genet Sel Anim* 7 (2): 167-180. Ref. Eng. Sum. 1975

034566 QH431.A1A52
Blood groups of sheep. II. Supplementary antigenic factors in the systems A, B, C and M; estimation of the allelic frequencies in the systems A, B, C, D, M and R of the French breeds Berrichon, Ile-de-France and Texel. (Fre) Nguyen, T C; Ruffet, G *Ann Genet Sel Anim* 7 (2): 145-157. Ref. Eng. Sum. 1975

034567 QH431.A1A52
Breed differences in the length of the bovine Y chromosomes. (Fre) Cribiu, E P; Boscher, J *Ann Genet Sel Anim* 7 (2): 139-144. Ref. Eng. Sum. 1975

034568 QH431.A1A52
Comb or wattle size of 10 weeks old cockerels as an indicator of sexual maturity in selection for egg production. (Fre) Ayoub, H; Merat, P; Durand, L *Ann Genet Sel Anim* 7 (2): 191-196. Eng. Sum. 1975

034569 QH431.A1A52
European Federation of Zootechny, 25th annual meeting (August 17-21, 1974), Copenhagen, Denmark. 16th session of the Genetics Commission. (Fre) European Association for Animal Production *Ann Genet Sel Anim* 7 (2): 225-243. 1975

034570 QH431.A1A52
Genetic determination of the malignant hyperthermia syndrome in the Pietrain pig. (Fre) Ollivier, L; Sellier, P; Monin, G; Dando, P; Vernin, P; Talmant, A *Ann Genet Sel Anim* 7 (2): 159-166. Ref. Eng. Sum. 1975

034571 QH431.A1A52
Studies on dairy cattle production. III. Relationship between criteria of production, duration of lactation and interval between first and second calving [Selection]. (Fre) Poutous, M; Mocquot, J C *Ann Genet Sel Anim* 7 (2): 181-189. Eng. Sum. 1975

034572 41.8 AN78
Genital physiology of the mare. (Fre) Derivaux, J *Ann Med Vet* 119 (7): 455-465. Nov 1975

034573 103 N813
[Poultry] selection for egg production under ahemeral light-dark cycles [Genetics]. Foster, W H *Annu Rep Agric Res Inst North Irel* 48th: 30-34. 1975

034574 49 AR23
Experimental comparison between rotation and three-way crossing [Livestock]. (Ger) Wessely, E C; Kupatz, B; Schreiber, U; Brusch, R *Arch Tierz* 18 (5): 259-272. Ref. Eng. Sum. 1975

034575 49 AR23
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of puberty induced gilts and fertility results following artificial insemination. (Ger) Heidler, W; Huhn, U; Ressin, E *Arch Tierz* 18 (4): 205-214. Ref. Eng. Sum. 1975

034576 49 AR23
Investigations into early selection of female swine by means of the ultrasonic method. (Ger) Hehne, E; Lengerken, G von *Arch Tierz* 18 (4): 215-225. Eng. Sum. 1975

034577 49 AR23
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. (Ger) Huhn, U; Heidler, W; Ressin, E *Arch Tierz* 18 (5): 311-319. Eng. Sum. 1975

034578 49 AR23
Possibilities of increasing beef production under factory-like conditions through breeding measures. (Ger) Weiher, O; Neumann, W; Flessner, H; Hilderbrandt, U *Arch Tierz* 18 (5): 279-290. Eng. Sum. 1975

034579 49 AR23
Studies on artificial insemination of rabbits with special reference to thinning and preservation of semen. (Ger) Kuttner, M; Lohle, K; Schramm, R *Arch Tierz* 18 (4): 247-254. Eng. Sum. 1975

034580 AS21.A75U45
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. Dickinson, F N; Norman, H D; King, G J; Powell, R L; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 24-2, 331 P. 1975

034581 S11.B43
Fertility in cattle husbandry. (Dut) Kruif, A de *Bedrijfsontwikkeling* 6 (7/8): 615-618. July/Aug 1975

034582 QP801.H7L52
Genetic approaches to enzyme induction in mammalian cells and hybrids in culture. Croce, C M; Litwack, G *Biochem Actions Horm* 3: 23-85. Ref. 1975

034583 QP801.H7L52
Hormonal regulation of specific gene expression in the chick oviduct. Rosen, J M; O'Malley, B W *Biochem Actions Horm* 3: 271-315. Ref. 1975

034584 381 B523
The synthesis and properties of the complete complementary DNA transcript of ovalbumin messenger RNA [Chickens]. Monahan, J J; Harris, S E; Woo, S L C; Robberson, D L; O'Malley, B W *Biochemistry (Easton)* 15 (1): 223-233. Ref. Jan 13, 1976

034585 20 ER4
Morphogenesis of hybrids between guinea fowl and chicken. (Rus) Aivasian, S A *Biol Zh Arm* 28 (6): 29-36. Ref. June 1975

034586 9.4 SO1
Management of parturition [Cattle]. (Spa) Schipper, I A *Bol Agric* 647: 13738-13743. Jan 1975

034587 512 W262
Effect of oxytocin injection on the rabbit testis homogenate oxytocic activity. Wojcik, K; Pietras, M *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 469-473. 1975

034588 512 W262
Immunoelectrophoretic analysis (IEA) of seminal plasma and fluids from seminal vesicles and ampullae of vasa deferentia of bulls. Boryczko, Z *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 209-211. 1975

034589 512 W262
The oxytocin-inactivating activity of the rabbit testes homogenates. Wojcik, K; Brzezinska-Slebodzinska, E *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 577-580. Ref. 1975

034590 64.8 IM7
Genetical considerations in large field experiments [Error variance]. James, J W *Bull Commonw Bur Pasture Field Crops Commonwealth Agric Bur* 50: 155-167. Ref. 1975

034591 22.5 M6932B
Studies on relationship between transferrin type and production traits in Japanese beef cattle. III. On genetic distribution of transferrin type and hemoglobin type in Japanese beef cattle. (Jpn) Kumazaki, K; Harada, H; Hashida, K *Bull Fac Agric Univ Miyazaki* 22 (1): 41-51. Ref. Eng. Sum. Oct 1975

034592 107.6 Y14
Variation of the pre- and post-parturation body weight in the dairy cow. (Jpn) Oda, R *Bull Fac Agric Yamaguti Univ* 26: 211-219. Eng. Sum. 1975

034593 100 F66S (1)
Factors influencing weaning performance in Florida BCIA [Beef Cattle Improvement Association] herds [Breeds]. Franke, D E; Pace, J E; Martojo, H; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 772, 10 P. Ref. May 1975

034594 100 F66S (1)
Factors influencing growth and reproduction in Rambouillet and Florida native sheep. Loggins, P E; Franke, D E; Hurley, C G; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 773, 9 P. Ref. May 1975

034595 100 C12CAG
Multiple insemination of turkey hens. Ogasawara, F X; Schroeder, J P; Mercia, L S; California Agricultural Experiment Station *Calif Agric* 29 (12): 14-15. Dec 1975

034596 7 R31
Increasing lamb production by selection. Vesely, J A *Can Agric* 20 (4): 28-29. Fall 1975

034597 7 R31
The haploid technique in barley breeding. Fedak, G *Can Agric* 20 (4): 7. Fall 1975

034598 442.8 C46
Influence of temperature on the detectibility and chromosomal distribution of specific DNA sequences by in situ hybridisation [Mice]. Moar, M H; Purdom, I F; Jones, K W *Chromosoma* 53 (4): 345-359. Ref. 1975

034599 100 F66CI
Reproductive behavior of Brahman cows. Peacock, F M; Kirk, W G; Koger, M; Warnick, A C; Florida Agricultural Experiment Stations *Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* S-237, 5 P. Jan 1976

034600 QH573.C92
An in vivo study of the action of type A2 influenza virus on the chromosomes of animal cells. Frolov, A F; Belyakova, E M; Dyadyun, S T *Cytol Genet* 8 (6): 61-62. 1974

034601 QH573.C92
Correlation of phenotypic variation of milk production and genetic variations of transferrin and hemoglobin types in Simmenthal cows. Kadiev, A K *Cytol Genet* 8 (6): 53-56. Ref. 1974

034602 QH573.C92
Genetic polymorphims of amylase and ceruloplasmin in two breeds of hogs raised in the southern UkrSSR. Plakhotnikov, A G *Cytol Genet* 8 (6): 63-64. 1974

034603 QH573.C92
Karyotype of the guinea fowl under normal conditions. Denisova, R A; Khrustalev, S A *Cytol Genet* 8 (6): 51-52. 1974

034604 QH573.C92
Robertson-type translocations (centric fusions) of autosomes in cattle (Bos taurus L.). Gol'dman, I L; Bakai, A V; Zhivalev, I K *Cytol Genet* 8 (6): 65-72. Ref. 1974

034605 S13.B82
Analyses of prostaglandins in sheep seminal fluid. Dimov, V; Ivanov, N *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 115-117. 1975

034606 S13.B82
Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. Makaveev, TS *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 91-95. Ref. 1975

034607 S13.B82
Genetic polymorphism and enzyme activity of plasmic alkaline phoshatase in the water buffalo. Makaveev, TS *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 101-103. Ref. 1975

034608 S13.B82
Genetic studies on cholesterol in the chicken. Shabalina, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 109-113. Ref. 1975

034609 S13.B82
Simultaneous and differential staining of spermatozoids and especially of the acrosome by the reacting dyes procion printing green B and procion brilliant red M8BS. (Fre) Tchacaroff, E; Mollova, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 137-140. 1975

034610 41.8 EC7
Decline of animal power and rearing of solipeds, mechanization of agriculture: For large scale production of meat horses, creation of meat type breeds. (Fre) Moine, G *Econ Med Anim* 16 (3): 163-170. (Continued) Ref. May/June 1975

034611 41.8 EC7
Decline of animal power and rearing of solipeds, mechanization of agriculture: Study of the ass (and its hybrids) for slaughter. (Fre) Moine, G *Econ Med Anim* 16 (3): 171-175. (Continued) Ref. May/June 1975

034612 475 EX7
Autosomal chromosome translocation of Piebald cattle and Brown cattle. (Ger) Stranzinger, G F; Forster, M *Experientia* 32 (1): 24-27. Eng. Sum. Jan 15, 1976

034613 475 EX7
Simple chromosome banding technique for farm animal investigations. (Ger) Stranzinger, G *Experientia* 32 (1): 128-130. Jan 15, 1976

034614 275.29 M36FA
A calf per cow per year [Breeding]. Holdaway, P K; Maryland University Cooperative Extension Service *Fact Sheet Coop Ext Serv Univ Md* 193, 4 P. 1976?

034615 TX341.F3
Growth differences between the beef [cattle] breeds. Nicholl, L; Cunningham, E P *Farm Food Res* 6 (5): 115-116. Sept/Oct 1975

034616 SF985.F4
Feline reproduction [Cats]. Burke, T J *Feline Pract* 5 (6): 16-19. Nov/Dec 1975

034617 450 G282
Influence of some hormones on the oxygen consumption in leucocytes of different cattle races and hybrids. Skulmowski, J P *Genet Pol* 16 (1): 89-99. Ref. 1975

034618 450 G282
Pre- and postnatal litter size of mice selected for high weight, gains at different levels of feeding. Gebler, E; Jezierski, T *Genet Pol* 16 (2): 221-227. Ref. 1975

034619 450 G282
Studies on prenatal and postnatal material influence on the progeny in mice. I. Investigations with inbred strains. Wirth-Dzieciolowska, E *Genet Pol* 16 (2): 197-207. Ref. 1975

034620 450 G282
Survival of Ms/—males in two lines of mice selected for a different expression of the gene mosaic (Ms) in heterozygous females. Styrna, J *Genet Pol* 16 (2): 1-213-219. 1975

034621 450 G282
The influence of parental age on the genetic quality of the progeny of mice. III. The mortality of progeny in succeeding generations. Jaszczak, K *Genet Pol* 16 (1): 101-108. 1975

034622 450 G282
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the male germ cells. Jaszczak, K *Genet Pol* 16 (1): 109-115. Ref. 1975

034623 443.8 G283
The distributions of the combinations of the sexes in mammalian litters [Pigs, rabbits and mice]. James, W H *Genet Res* 26 (1): 45-53. Ref. Aug 1975

034624 QH431.A1G4
Combined effect of the genotype and the environment on performance characteristics in pigs. (Rus) Lebedev, IU V; Selezneva, P P *Genetika* 11 (9): 22-26. Eng. Sum. 1975

034625 QH431.A1G4
Comparative investigation of cytogenetic effect of certain organophosphorus pesticides [Mice]. (Rus) Kurinnyi, A I *Genetika* 11 (12): 64-69. Ref. Eng. Sum. 1975

034626 QH431.A1G4
Genetic control of the expression of genes for lactate dehydrogenase A in sheep erythrocytes. (Rus) Serov, O L; Glazko, V I; Korochkin, L I *Genetika* 11 (9): 27-31. Ref. Eng. Sum. 1975

034627 QH431.A1G4
Investigation of interrelationship between the inhibitory activity of milk with different beta-lactoglobulin types and the resistance of cows to mastitis. (Rus) Kriventsov, IU M; Kriventsova, V F; Borisova, G V *Genetika* 11 (12): 37-44. Ref. Eng. Sum. 1975

034628 QH431.A1G4
Mutant Japanese quail (Coturnix coturnix japonica) with marble plumage. (Rus) IAkovlev, A A; Kudriavtsev, I V; Pigareva, M D *Genetika* 11 (10): 15-23. Eng. Sum. 1975

034629 QH431.A1G4
On the problem of classification of ceruplasmin locus in cattle [Genetics]. (Rus) Sadik, A F; Berdichevskii, N S *Genetika* 11 (9): 168-170. Eng. Sum. 1975

034630 QH431.A1G4
On veterinary genetics [Hereditary diseases]. (Rus) Pritulin, P I *Genetika* 11 (9): 160-167. Ref. Eng. Sum. 1975

034631 QH431.A1G4
Role of "hemohybridization" in the creation of Zagorsk white-breasted guinea fowl. (Rus) Veitsman, L N *Genetika* 11 (11): 155-159. Eng. Sum. 1975

QH431.A1G4
Some problems of leucosis genetics in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. (Rus) Petukhov, V L *Genetika* 11 (12): 30-36. Ref. Eng. Sum. 1975

034632 QH431.A1G4
Three new allotypes of mink serum alpha-lipoproteins Lpm 6, Lpm 7, Lpm 8 [Genes]. (Rus) Baranov, O K; Savina, M A; Beliaev, D K *Genetika* 11 (9): 32-37. Eng. Sum. 1975

034633 S19.G74
Progress in sheep production research in India. Acharya, R M; Patnayak, B C *Green Revolution* P. 121-128. 1974

034634 26 H27
Heredity of economically important properties in milch-cattle. (Heb) Levy, U *Hassadeh* 56 (2): 238-240. Nov 1975

034635 26 H27
Observations on fertility in cattle. (Heb) Lev, B *Hassadeh* 56 (2): 236-238. Nov 1975

034636 44.8 H65
More proven bulls are needed [Artificial insemination]. Herman, H A *Hoards Dairym* 121 (1): 44-45. Jan 10, 1976

034637 100 IL64
Aging of bull spermatozoa during extended storage. Beil, R E; Graves, C N; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 16-17. Fall 1975

034638 SF985.C3 1975
The genital system [Diseases, abnormalities, reproduction, cats]. Stein, B S *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 303-354. Ref. 1975

034639 QP571.I5 1975
Effects of active immunization with steroids on endocrine and reproductive functions in male animals. Nieschlag, E; Usadel, K H; Wickings, E J; Kley, H K; Wuttke, W *In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium* P. 155-172. Ref. 1975

034640 QP571.I5 1975
Effects of specific neutralization of luteinizing hormone and prolactin on ovarian blood flow and progesterone secretion [in ewes]. Reimers, T J; Niswender, G D *In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium* P. 95-106. Ref. 1975

034641 QP571.I5 1975
The effects of active immunisation against androstenedione on luteinizing hormone levels in the ewe. Scaramuzzi, R J; Martensz, N D *In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium* P. 141-154. 1975

034642 QP623.P7
Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the chick oviduct. Rosen, J M; Chan, L; Woo, S L C; Harris, S E; Means, A R; O'Malley, B W *In Processing of RNA Report of Symposium* P. 320-332. Ref. 1974 (Pub. 1975)

034643 QP801.P68P723
Practical application of prostaglandins in animal husbandry. Cooper, M J; Walpole, A L *In Prostaglandins & Reproduction. S. M. M. Karim, ed.* P. 309-328. Ref. 1975

034644 QP801.P68P723
Prostaglandins and studies related to reproduction in laboratory animals. Labhsetwar, A P *In Prostaglandins & Reproduction. S. M. M. Karim, ed.* P. 241-270. Ref. 1975

034645 QP801.P68P723
Prostaglandins and reproductive processes in female sheep and goat. Flint, A P F; Hillier, K *In Prostaglandins & Reproduction. S. M. M. Karim, ed.* P. 271-308. Ref. 1975

034646 SF481.I55
A survey on spoilage of eggs and death of chickens during natural hatching and rearing by hens. Sasmal, N K; Banerjee, B T *Indian Poult Rev* 6 (24): 863-865. Aug 1, 1975

034647 SF481.I55
Evaluation of purebreds and crossbreds for broiler traits. Aggrawal, C K; Mohapatra, S C; Sinha, S P; Ahuja, S D; Sharma, P N *Indian Poult Rev* 6 (24): 874. Aug 1, 1975

034648 SF481.I55
The breeding of ducks for egg production. Vohra, P; Robinson, D W *Indian Poult Rev* 7 (1): 83-85. Aug 15, 1975

034649 SF481.I55
The egg: production, selection and care of hatching eggs forbest hatching results. Marwaha, D R *Indian Poult Rev* 7 (1): 41-47. Aug 15, 1975

034650 41.8 IN2
Induction of morphological changes and the effect of induced changes on the fertilizing capacity of cock spermatozoa. Sinha, S P; Mukherjee, D P *Indian Vet J* 52 (12): 901-906. Dec 1975

034651 41.8 IN2
Studies on semen characteristics of Tharparkar and Jersey bulls. Mohana Rao, R; Ramamohana Rao, A *Indian Vet J* 52 (12): 889-900. Ref. Dec 1975

034652 41.8 IN2
Study on litter size and litter weight at birth and weaning in middle White Yorkshire pigs [heritability]. Johar, K S; Saibaba, P; Gupta, R N *Indian Vet J* 52 (9): 707-710. Ref. Sept 1975

034653 41.8 IN2
The influence of sex on the calf on the productive traits of Hariana dams. Tomar, S S *Indian Vet J* 52 (12): 907-910. Ref. Dec 1975

034654 20 M57AG
Artificial insemination stations as centers for improving livestock performance [Poland]. (Ger) Glod, W *Int Z Landwirtsch* 6: 669-673. 1975

034655 16 IT1
Genetic resources of animal populations [Livestock breeding, research projects, Italy]. (Ita) Masoero, P *Ital Agric* 112 (5): 29-31. May 1975

034656 16 IT1
The English Thoroughbred [horse]. (Ita) Rinaldi, N *Ital Agric* 112 (9); 52-63. Sept 1975

034657 10 J822
Ovulation rate in ewes treated with pregnant mares' serum gonadotrophin and luteinizing hormone releasing factor. McGovern, P T; Laing, J A *J Agric Sci (Camb)* 86 (1): 127-129. Feb 1976

034658 447.8 J826
The ultrastructure of the sheep placenta around the time of parturition. Perry, J S; Heap, R B; Ackland, N *J Anat* 120 (2): 561-570. Ref. Dec 1975

034659 49 J82
Breed, line, sex and diet effects and interactions in swine carcass traits. Bereskin, B; Davey, R J *J Anim Sci* 42 (1): 43-51. Ref. Jan 1976

034660 49 J82
Effects of early pregnancy in growth, body composition and efficiency in mice. Eisen, E J; Leatherwood, J M *J Anim Sci* 42 (1): 52-62. Ref. Jan 1976

034661 49 J82
Fertility of liquid boar semen as influenced by breed and season. Koh, T J; Crabo, B G; Tsou, H L; Graham, E F *J Anim Sci* 42 (1): 138-144. Ref. Jan 1976

034662 49 J82
Follicular population and body weight in relation to genetic differences in ovarian response to gonadotropin in rats. Gianola, D; Chapman, A B *J Anim Sci* 42 (1): 36-42. Ref. Jan 1976

034663 49 J82
Gestation length in rabbits. Effect of aminoglutethimide phosphate, dexamethasone, pregnenolone and progesterone. Torres, C A A; First, N L *J Anim Sci* 42 (1): 131-137. Ref. Jan 1976

034664 49 J82
Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of bovine spermatozoa frozen in French straws. Robbins, R K; Saacke, R G; Chandler, P T *J Anim Sci* 42 (1): 145-154. Ref. Jan 1976

034665 381 J824
Adenine nucleotide changes at initiation of bull sperm motility. Cascieri, M; Amann, R P; Hammerstedt, R H *J Biol Chem* 251 (3): 787-793. Ref. Feb 10, 1976

034666 448.8 J8293
Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment [Sheep]. Wise, P M; Payne, A H; Karsch, F J; Jaffe, R B *J Endocrinol* 67 (3): 447-452. Ref. Dec 1975

034667 448.8 J8293
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. Maltier, J P; Cavaille, F *J Endocrinol* 67 (3): 371-383. Ref. Dec 1975

034668 448.8 J8293
Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal female rat. Doughty, C; Booth, J E; MCDonald, P G; Parrott, R F *J Endocrinol* 67 (3): 419-424. Ref. Dec 1975

034669 448.8 J8293
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). Wilson, S C; Sharp, P J *J Endocrinol* 67 (3): 359-369. Ref. Dec 1975

034670 448.8 J8293
Inhibition, by the anti-oestrogen MER-25, of defeminization induced by the synthetic oestrogen RU2858 [Rats]. Doughty, C; Booth, J E; McDonald, P G; Parrott, R F *J Endocrinol* 67 (3): 459-460. Dec 1975

034671 448.8 J8293
Plasma luteinizing hormone and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. Ellendorff, F; Parvizi, N; Pomerantz, D K; Hartjen, A; Konig, A; Smidt, D; Elsaesser, F *J Endocrinol* 67 (3): 403-410. Ref. Dec 1975

034672 448.8 J8293
Sexual behaviour in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. Agmo, A; Sodersten, P *J Endocrinol* 67 (3): 327-332. Ref. Dec 1975

034673 448.8 J8293
Suppression of the development of female hamster [sexual] behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. Gerall, A A; McMurray, M M; Farrell, A *J Endocrinol* 67 (3): 439-445. Dec 1975

034674 442.8 AM3
G-band patterns of swine chromosomes. Pace, J W; Srivastava, P K; Lasley, J F *J Hered* 66 (6): 334-348. Ref. Nov/Dec 1975

034675 442.8 AM3
The Goodale white-spotted mice: a historical report. Doolittle, D P; Wilson, S P; Hulbert, L L; Kyle, W H; Goodale, H D *J Hered* 66 (6): 376-380. Ref. Nov/Dec 1975

034676 Q176.J6
Estrous cycle and gastrin content of mucosa in rat. Amure, B O; Bolarinwa, Y *J Interdis Cycle Res* 6 (4): 317-321. Ref. Dec 1975

034677 442.8 J8222
A comparison of in-vitro fertilization of rabbit eggs using spermatozoa recovered from the uterus or vagina. Dandekar, P; Fraser, L *J Reprod Fertil* 46 (1): 77-81. Ref. Jan 1976

034678 442.8 J8222
A study of seasonally delayed puberty in the male hare, Lepus europaeus. Lincoln, G A; MacKinnon, P C B *J Reprod Fertil* 46 (1): 123-128. Ref. Jan 1976

034679 442.8 J8222
Artificial insemination with spermatozoa in formaldehyde [Sheep, swine]. Dott, H M; Moor, R M; Polge, C *J Reprod Fertil* 46 (1): 277. Jan 1976

034680 442.8 J8222
Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, rat and Japanese quail. Jones, P; Jackson, H; Whiting, M H S *J Reprod Fertil* 46 (1): 217-224. Ref. Jan 1976

034681 442.8 J8222
Comparison of neutral proteinase activities in cock and ram spermatozoa and observations on a proacrosin in cock spermatozoa. Brown, C R; Hartree, E F *J Reprod Fertil* 46 (1): 155-164. Ref. Jan 1976

034682 442.8 J8222
Deep freezing of sheep embryos. Willadsen, S M; Polge, C; Rowson, L E A; Moor, R M *J Reprod Fertil* 46 (1): 151-154. Jan 1976

034683 442.8 J8222
Effects of carnitine on oxygen uptake and utilization of (U-14C) [uranium-carbon isotope] palmitate by ejaculated bull spermatozoa. Hamilton, D W; Olson, G E *J Reprod Fertil* 46 (1): 195-202. Ref. Jan 1976

034684 442.8 J8222
Further investigation of the response of the mammalian oviduct to catecholaines. Kendle, K E; Lam Shang Leen, Y K *J Reprod Fertil* 46 (1): 231-233. Jan 1976

034685 442.8 J8222
Induction of ovulation in hens by an analogue of LH-RH [luteinizing hormone, releasing hormone]. Tanaka, K; Kamiyoshi, M *J Reprod Fertil* 46 (1): 243-244. Jan 1976

034686 442.8 J8222
Maintenance of plasma-derived proteins at much lower concentrations in the uterine lumen of the rabbit: a kinetic study of passage. Kulangara, A C *J Reprod Fertil* 46 (1): 189-194. Ref. Jan 1976

034687 442.8 J8222
Peripheral plasma levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. Austad, R; Lunde, A; Sjaastad, O V *J Reprod Fertil* 46 (1): 129-136. Ref. Jan 1976

034688 442.8 J8222
Pregnancy-specific antigens in the sheep: application to the diagnosis of pregnancy. Cerini, M; Findlay, J K; Lawson, R A S *J Reprod Fertil* 46 (1): 65-69. Ref. Jan 1976

034689 442.8 J8222
Preliminary results on plasma progesterone levels during pregnancy and superfetation in the hare, Lepus europaeus. Caillol, M; Martinet, L *J Reprod Fertil* 46 (1): 61-64. Jan 1976

034690 442.8 J8222
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. Lee, V W K; Cumming, I A; De Kretser, D M; Findlay, J K; Hudson, B; Keogh, E J *J Reprod Fertil* 46 (1): 1-6. Ref. Jan 1976

034691 442.8 J8222
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. Lee, V W K; Cumming, I A; De Kretser, D M; Findlay, J K; Hudson, B; Keogh, E J *J Reprod Fertil* 46 (1): 7-11. Ref. Jan 1976

034692 442.8 J8222
Retention rate in cows and heifers of intravaginal silastic coils impregnated with progesterone. Roche, J F *J Reprod Fertil* 46 (1): 253-255. Ref. Jan 1976

034693 442.8 J8222
Seasonal variations in the response of the testis and LH [luteinizing hormone] levels to hemicastration of adult rams. Hochereau-de Reviers, M T; Loir, M; Pelltier, J *J Reprod Fertil* 46 (1): 203-209. Ref. Jan 1976

034694 442.8 J8222
Steroid-protein interactions in bovine plasma [Testosterone-binding specificity]. Martin, B; Fouchet, C; Thibier, M *J Reprod Fertil* 46 (1): 143-149. Ref. Jan 1976

034695 442.8 J8222
The binding of labelled basic proteins by boar spermatozoa. Moore, H D M; Hibbitt, K G *J Reprod Fertil* 46 (1): 71-76. Ref. Jan 1976

034696 442.8 J8222
The distribution of calcium in bovine spermatozoa and seminal plasma in relation to cold shock. Karagiannidis, A *J Reprod Fertil* 46 (1): 83-90. Ref. Jan 1976

034697 442.8 J8222
The fertilizing capacity of epididymal spermatozoa in the pig. Holtz, W; Smidt, D *J Reprod Fertil* 46 (1): 227-229. Jan 1976

034698 442.8 J8222
The LH response of pregnant cows and their calves to synthetic LH-RH [luteinizing hormone, releasing hormone]. Symons, A M *J Reprod Fertil* 46 (1): 235-237. Ref. Jan 1976

034699 442.8 J8222
The occurrence of C19 [carbon] steroids in testicular tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. Booth, W D; Polge, C *J Reprod Fertil* 46 (1): 115-121. Ref. Jan 1976

034700 442.8 J8222
The oestrous cycle of the ewe after active immunization against prostaglandin F-2alpha. Scaramuzzi, R J; Baird, D T *J Reprod Fertil* 46 (1): 39-47. Ref. Jan 1976

034701 442.8 J8222
The sperm acrosome reaction and fertilization in the guineapig: a study in vivo. Yanagimachi, R; Mahi, C A *J Reprod Fertil* 46 (1): 49-54. Ref. Jan 1976

034702 442.8 J8222
The storage of cow eggs at room temperature and at low temperatures [Reproductive physiology]. Trounson, A O; Willadsen, S M; Rowson, L E A; Newcomb, R *J Reprod Fertil* 46 (1): 173-178. Ref. Jan 1976

034703 44.8 SO12
The Landhill [cattle] breeding programme. Hinks, C J M *J Soc Dairy Technol* 29 (1): 38-39. 1976

034704 442.8 J8223
On the adjustment of the sex ratio and the gregarious behaviour of animal populations. Cannings, C; Orive, L M C *J Theor Biol* 55 (1): 115-136. Ref. 1975

034705 49 N62
Domestication and population genetics [Farm animals]. (Jpn) Nozawa, K *Jap J Zootech Sci* 46 (10): 549-557. Ref. Oct 1975

034706 49 N62
Genetic polymorphism of milk proteins in Japanese cattle and European cattle breeds in Japan. (Jpn) Abe, T; Komatsu, M; Oishi, T; Kageyama, A *Jap J Zootech Sci* 46 (11): 591-599. Ref. Eng. Sum. Nov 1975

034707 47.8 N57
Storage of fowl semen under reduced pressure. (Jpn) Nagae, T; Tanaka, K *Jap Poult Sci* 12 (6): 259-264. Ref. Eng. Sum. Nov 1975

034708 47.8 N57
The heritability of liability to laying anormal eggs [Poultry]. Mikami, H; Yamada, Y *Jap Poult Sci* 12 (6): 253-258. Nov 1975

034709 442.8 K92
The history of the rat inscribed in the chromosomes. (Jpn) Yosida, T H *Kromosomo* 96/97: 2965-2973. Ref. Oct 1974

034710 410.9 P94
A review of reproductive patterns in New World monkeys [Laboratory animals]. Wolf, R H; Harrison, R M; Martin, T W *Lab Anim Sci* 25 (6): 814-821. Ref. Dec 1975

034711 410.9 P94
Application of the subhuman primate pregnancy test kit to pregnancy diagnosis in baboons [Laboratory animals]. Hodgen, G D; Niemann, W H *Lab Anim Sci* 25 (6): 757-759. Dec 1975

034712 410.9 P94
Comparative primate reproductive endocrinology: advancements important in domestic breeding programs. Hodgen, G D *Lab Anim Sci* 25 (6): 793-797. Ref. Dec 1975

034713 410.9 P94
Reproduction of wild-caught and laboratory-born marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus) [Animal models]. Wolfe, L G; Deinhardt, F; Ogden, J D; Adams, M R; Fisher, L E *Lab Anim Sci* 25 (6): 802-813. Ref. Dec 1975

034714 410.9 P94
The breeding and utilization of baboons for biomedical research [Laboratory animals]. Moore, G T *Lab Anim Sci* 25 (6): 798-801. Dec 1975

034715 11 L2322
From "mother cow" to "brood cow". Some impressions of a visit to the world's largest embryo transplant center [Breeding]. (Dan) Larsen, J B *Landbo Nyt* 29 (9): 525-527, 529-530. Sept 1975

034716 11 L2322
The risk of using young bulls as breeding animals. (Dan) Nielsen, E *Landbo Nyt* 29 (8): 453-455. Aug 1975

034717 11 L236
Trials involving hybrid breeding [Swine]. (Nor) *Landbrukstidende* 81 (28): 621-623. July 12, 1975

034718 11 UP62
Selection-index for cows [Breeding]. (Swe) Gustafson, G; Danell, B; Ekstrom, H *Lantbrukshogsk Medd, Ser A* 250, 35 P. Ref. Eng. Sum. 1975

43.9 L932
A simplified technique for vasectomy of heat check boars [Surgery]. Godke, R A; Lambeth, V A; Kreider, J L; Root, R G; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 241-244. 1976

034719 43.9 L932
A summary of the Louisiana boar testing program for 1975. Pontif, J E; Thrasher, D M; Nipper, W A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 245-246. 1976

034720 43.9 L932
Comparisons of Chianina X Hereford and Chianina X Angus heifers [Beef cattle breeds]. Morrison, D G; Humes, P E; Godke, R A; Peterson, F J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 62-67. 1976

034721 43.9 L932
Comparisons of exotic- and Brahman-sired crossbred calves for birth and weaning traits. Humes, P E; Moin, S B; Idris, I B; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 68-72. 1976

034722 43.9 L932
Continuous infusion of follicle stimulating hormone for follicular growth in embryo transfer heifers. Warren, W R; Bercovitz, A B; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 133-138. 1976

034723 43.9 L932
Effect of GnRH [gonadotropin releasing hormone] on estrus, ovulation and fertility in the mare. Kreider, J L; Cornwell, J C; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 230-232. 1976

43.9 L932
Effects of nutritional management systems on reproductive performance of dairy cross cows. Humes, P E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 11-16. 1976

034724 43.9 L932
Effects of pasture management systems and season of breeding on reproductive performance of beef cattle. Loyacano, A F; Pontif, J E; Nipper, W A; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 116-119. 1976

034725 43.9 L932
Embryo transplants from exotic breeds [of beef cattle]. Dunlap, S; Rundell, J W; Avery, D R Jr; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 143-146. 1976

034726 43.9 L932
Estrus synchronization and fertility studies [in beef cattle] at Dean Lee Agricultural Center. Loyacano, A F; Nipper, W A; Pontif, J E; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 127-129. 1976

034727 43.9 L932
Induction of estrus in mares after foal heat with prostaglandin-F2alpha. Cornwell, J C; Bercovitz, A B; Godke, R A; Kreider, J L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 225-229. 1976

034728 43.9 L932
Induction of parturition in the mare with prostaglandin-F2alpha. Kreider, J L; Cornwell, J C; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 233-236. 1976

034729 43.9 L932
Influence of sex and percent Brahman [cattle] breeding on growth and carcass traits [Performance]. Bidner, T D; Icaza, E A; Boston, A C; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 103-108. 1976

034730 43.9 L932
Management practices to improve reproductive performance with artificial insemination in beef cattle. Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 17-30. Ref. 1976

034731 43.9 L932
Oxytocin following artificial insemination in crossbred heifers. Morrison, D G; Humes, P E; Peterson, F J; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 130-132. 1976

034732 43.9 L932
Preweaning maternal heterosis of backcross and three-breed cross beef dams [Cattle]. Boston, A C; Taylor, M; Icaza, E A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 87-98. 1976

034733 43.9 L932
Productivity of straightbred, backcross and three-breed cross beef dams [Cattle]. Boston, A C; Taylor, M; Icaza, E A; McRae, T O; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 73-86. 1976

034734 43.9 L932
Proposed on-the-farm testing program for swine [Breeding]. Scherer, C W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 54-56. 1976

034735 43.9 L932
Results of Louisiana's 1975 swine litter tests. Pontif, J E; Thrasher, D M; Bidner, T D; Nipper, W A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 239-240. 1976

034736 43.9 L932
Superovulation and embryonic survival rates in beef cattle [Estrus]. Reynolds, W L; DeRouen, T M; Goodeaux, L L; White, T W; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 147-151. 1976

034737 43.9 L932
The effect of steroid hormones on sexual behavior in beef heifers. Abdullah, R B; Lambeth, V A; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 120-126. 1976

034738 43.9 L932
The use of Rompun for surgical embryo transfer procedures in cattle [Sedatives]. Lambeth, V A; Root, R G; Bercovitz, A B; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 139-142. 1976

034739 43.9 L932
The value of crossbred boars in the commercial production of swine. Lasley, J F; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 47-53. 1976

034740 43.9 L932
Views of a commercial hog producer. Stevens, S; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 57-60. 1976

034741 49 L758
A 20-year run on tests for early growth, breed mixing for beef tonnage [Cattle]. Marlowe, T J *Livest Breed J* 19 (1): 19-20. Jan 1976

034742 18 N39
Crossbreeding in cattle husbandry. (Ger) Stutzer, D *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1167. Nov 6, 1975

034743 18 N39
New model for Black Pied cattle. (Ger) Wilke, G *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1268-1269. Dec 4, 1975

034744 41.8 M742
Behaviour of certain serum enzymes in sows in perinatal periods. (Ger) Grun, E; Elze, K *Monatsh Veterinarmed* 30 (15): 581-582. Ref. Eng. Sum. Aug 1, 1975

034745 41.8 M742
Behaviour of certain serum enzymes in sows during birth. (Ger) Grun, E; Mockel, H G *Monatsh Veterinarmed* 30 (16): 612-617. Ref. Eng. Sum. Aug 15, 1975

034746 41.8 M742
Behaviour of lactate-dehydrogenase isoenzyme in blood serum of sows during parturition. (Ger) Grun, E; Huller, H *Monatsh Veterinarmed* 30 (17): 653-659. Ref. Eng. Sum. Sept 1, 1975

034747 41.8 M742
Breeding hygiene in industrialised dairy units. 2. Management, organisation, and control of reproduction periods. (Ger) Scholz, H; Luttig, J; Klossek, H; Oelke, H *Monatsh Veterinarmed* 30 (15): 576-581. Eng. Sum. Aug 1, 1975

034748 41.8 M742
Breeding hygiene in industrialised dairy farming units. 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. (Ger) Scholz, H; Luttig, J; Klossek, H; Oelke, H *Monatsh Veterinarmed* 30 (16): 608-612. Eng. Sum. Aug 15, 1975

034749 41.8 M742
Histological uterus examination of gilts for possibilities of earlier puberty and induction of onset. (Ger) Erices, J; Schnurrbusch, U; Elze, K *Monatsh Veterinarmed* 30 (19): 730-734. Ref. Eng. Sum. Oct 1, 1975

034750 41.8 M742
Recent findings on regulation of carbohydrate and fatty acid metabolism in ruminants. (Ger) Kolb, E *Monatsh Veterinarmed* 30 (19): 739-745. Ref. Eng. Sum. Oct 1, 1975

034751 41.8 M742
Results obtained from histological uterus examination of young sows after heat synchronization, heat stimulation and synchronization of ovulation. (Ger) Schnurrbusch, U; Braune, S; Elze, K *Monatsh Veterinarmed* 30 (17): 649-653. Eng. Sum. Sept 1, 1975

034752 41.8 M742
Studies into cycle control of old sows in industrialised units. (Ger) Schwarze, D; Schlegel, W *Monatsh Veterinarmed* 30 (19): 725-727. Eng. Sum. Oct 1, 1975

034753 41.8 M742
Studies into ways to induce the onset of puberty by means of heat and ovulation synchronisation [Swine]. (Ger) Braune, S; Schlegel, W *Monatsh Veterinarmed* 30 (19): 727-730. Eng. Sum. Oct 1, 1975

034754 41.8 M742
Studies on cycle control of gilts in industrialized units. (Ger) Schlegel, W; Schwarze, D; Braune, S *Monatsh Veterinarmed* 30 (19): 721-725. Ref. Eng. Sum. Oct 1, 1975

034755 41.8 M742
Use of uterotropic substances as possible devices to improve reproduction performance of sows. (Ger) Sklenar, V; Schlegel, W *Monatsh Veterinarmed* 30 (19): 734-736. Eng. Sum. Oct 1, 1975

034756 41.8 M742
Ways to achieve superposition of lactation and pregnancy by administration of gonadotropic hormones [Swine]. (Ger) Ahrens, M; Schlegel, W *Monatsh Veterinarmed* 30 (19): 736-739. Ref. Eng. Sum. Oct 1, 1975

034757 443.8 M98
Isolation and characterization of variant clones of Chinesehamster cells after treatment with irradiated 5-iodouridine. Kuroda, Y; Yokoiyama, A; Kada, T *Mutat Res* 33 (2/3): 285-298. Ref. Dec 1975

034758 443.8 M98
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ cells [Mice]. Brewen, J G; Payne, H S; Jones, K P; Preston, R J *Mutat Res* 33 (2/3): 239-250. Dec 1975

034759 S17.N4
Livestock improvement: the application and impact of techniques in reproduction. Tervit, H R *N Z Agric Sci* 9 (1): 25-32. Ref. Feb 1975

034760 S17.N4
Livestock improvement associations of New Zealand. Their historical development, organization and services. Burton, J A *N Z Agric Sci* 9 (2): 51-54. May 1975

034761 23 N4892
The activity of pyridine nucleosidase in bull semen and its relationship to fertility. Macmillan, K L; Hart, N L; Giles, K H *N Z J Agric Res* 18 (4): 379-381. Ref. Nov 1975

034762 41.8 N483
The future use of cytogenetics in the manipulation of domestic animal populations. Bruere, A N *N Z Vet J* 23 (12): 295-298. Ref. Dec 1975

034763 472 N21
Existence of a follicle-stimulating hormone inhibiting factor 'inhibin' in bull seminal plasma. Franchimont, P; Chari, S; Hagelstein, M T; Duraiswami, S *Nature* 257 (5525): 402-404. Ref. Oct 2, 1975

034764 41.8 N813
Fertility and fertility problems in some beef herds in Sweden. (Swe) Einarsson, S; Olsson, B; Bane, A; Gustafsson, B *Nord Veterinaermed* 27 (9): 411-428. Eng. Sum. Sept 1975

034765 41.8 N813
Megestrolacetat administered for induction of and synchronization of estrus in heifers. (Nor) Benjaminsen, E *Nord Veterinaermed* 27 (9): 437-441. Ref. Sept 1975

034766 41.8 N813
Prostaglandin induced parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, agalactia) syndrome. Einarsson, S; Gustafsson, B; Larsson, K *Nord Veterinaermed* 27 (9): 429-436. Sept 1975

034767 41.8 N813
Studies on whole semen and epididymal contents in a bull with low post-thawing sperm motility. Soosalu, O; Einarsson, S; Gustafsson, B *Nord Veterinaermed* 27 (10): 518-522. Ref. Oct 1975

034768 RC620.A1N8
The effect of age and sex on dihydrofolic acid reductase activity in chicken liver. Balek, J J; Morse, L M *Nutr Rep Int* 13 (1): 101-106. Ref. Jan 1976

034769 100 OH3S (3)
Fall calving valuable for Ohio beef herds. Parker, C F; Van Keuren, R W; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 96-98. Nov/Dec 1975

034770 46.8 P623
Comparing national breeds of Landrace [Swine]. King, J *Pig Farming* 23 (12): 74-75. Dec 1975

034771 46.8 P623
Finding out about criss-crossing [Swine, breeding]. Deeble, K *Pig Farming* 23 (12): 80-81, 84. Dec 1975

034772 46.8 P623
Improving a nation's pigs [Breeding]. Smith, D *Pig Farming* 23 (12): 49-51. Dec 1975

034773 46.8 P623
Large litters, big pigs from Duroc cross [Swine, breeding]. *Pig Farming* 23 (12): 92-94. Dec 1975

034774 46.8 P623
Pig improvement—where is it leading us? [Breeding]. Smith, C *Pig Farming* 23 (12): 69, 71, 73. Dec 1975

034775 46.8 P623
Scots sire-lines shave baconers' backfats [Swine, breeding]. Hillyer, M; Webb, J *Pig Farming* 23 (12): 64-65. Dec 1975

034776 46.8 P623
What future for sire lines? [Swine, breeding]. Smith, W C; Oliver, J M *Pig Farming* 23 (12): 53, 55, 57. Dec 1975

034777 20.5 P84
Livestock breeding in conditions of intensification of agriculture. (Pol) Zalewski, W *Postepy Nauk Roln* 22 (2): 67-77. 1975

034778 20.5 P84
The role of artificial insemination in the genetic improvement of cattle. (Pol) Stolzman, M *Postepy Nauk Roln* 22 (2): 79-92. Ref. 1975

034779 SF481.P64
Poultry breeding research for self sufficiency. Mohapatra, S C *Poult Guide* 12 (10): 43-46a. Oct 1975

034780 SF481.P642
Factors affecting chicken fertility. Parker, J E *Poult Patrika* 4 (3): 89-91. Mar 1975

034781 43.9 N212
Discussion: What's expected from beef [cattle] A. I. [Artificial insemination]? Tom, L; Forgason, J L; Beverly, J R *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 156-169. 1975

034782 43.9 N212
Is there need for change? Using records other than DHI [dairy herd improvement] in sire evaluation. Specht, L W *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 170-176. 1975

43.9 N212
Knowing your market situation [Artificial insemination, cattle]. Mellinger, J R *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 143-147. 1975

034783 43.9 N212
Promoting the A. I. [Artificial insemination] industry [Dairy cattle]. Sevick, L *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 132-137. 1975

43.9 N212
The A. I. [Artificial insemination] industry market potential [Beef cattle]. Marion, G B *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 138-143. 1975

034784 43.9 N212
The registry associations outlook for new [dairy herd improvement] programs. Cavanaugh, J F *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 180-184. 1975

034785 43.9 N212
The verified identification program [Genetic improvement ofdairy cattle]. Eastwood, B R *Proc Annu Conv Natl Assoc Anim Breeders* 29th: 177-180. 1975

034786 281.9 B87
Why survey heats? [Cattle, estrous cycle]. (Fre) Parez, M *Prod Agric Fr* 51 (178): 21-22. Oct 15, 1975

034787 6 T311
Are beefalos really "supercattle"? *Prog Farmer (Birmingham)* 90 (12): 22. Dec 1975

034788 6 T311
Crossbred bulls have a place. Curl, T *Prog Farmer (Birmingham)* 90 (11): 30. Nov 1975

034789 6 T311
Is induced calving right for your cows? [Breeding]. Curl, T *Prog Farmer (Birmingham)* 90 (11): 71. Nov 1975

034790 447.8 Q1
The effect of labour on uterine blood flow in the pregnant ewe. Towell, M E; Liggins, G C *Q J Exp Physiol Cogn Med Sci* 61 (1): 23-33. Ref. Jan 1976

034791 64.8 M41
Reproductive performance of rabbits on organic and inorganic leys. McSheehy, T W *Qual Plant Plant Foods Human Nutr* 25 (2): 193-203. Dec 29, 1975

034792 442.8 R11
The action of small radiation doses on spermatogenesis [Dogs, radiation injuries]. (Rus) Kondratenko, V G; Ganzenko, L F *Radiobiologiia* 15 (6): 861-865. Ref. Eng. Sum. Nov/Dec 1975

034793 S543.V5V5
Effect of two levels of dietary zinc on reproductive performance of sows during five parities. Hedges, J D; Thomas, H R; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 179-182. July 1975

034794 S543.V5V5
Fertility and calf performance to weaning at Southhampton farm. Marlowe, T J; Grizzard, E M; Burgess, W E *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 49-54. July 1975

034795 S543.V5V5
Improving growth rate in Hampshire sheep [Progeny testing]. Hupp, H D; Carter, R C; Copenhaver, J S; McClure, W H; McClaugherty, F S *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 41-44. July 1975

034796 S543.V5V5
Progress report on cow breed evaluation at Southhampton farm. Marlowe, T J; Grizzard, E M; Burgress, W E *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 55-65. July 1975

034797 S543.V5V5
Relation of inbreeding to chromosomal abnormalities in laboratory mice. Bucher, G A; Marlowe, T J *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 66-70. July 1975

034798 S543.V5V5
Scrotal circumference and testicular consistency in beef bulls. Hutton, J L; Meacham, T N; Eller, A L Jr *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 3-4. July 1975

034799 S543.V5V5
The effects of high tris, low glycerol and low tris, high glycerol on frozen ram spermatozoa. Parks, J E; Meacham, T N *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 1-2. July 1975

034800 S543.V5V5
The relationship of visual scores, body measurements, and fat thickness with performance and composition of bulls on 140-day feed test. Minish, G L; Tankersley, C W *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 35-39. July 1975

034801 49 P943
Testing bulls by their descendants, to assist the selection activity, aiming the increase of meat and milk production. (Rum) *Rev Cresterea Anim* 25 (6): 24-40. June 1975

034802 49 P943
Work remuneration in sheep breeding. (Rum) Turcu, M *Rev Cresterea Anim* 25 (7): 5-8. July 1975

034803 470 SCI2
Phytoestrogens: adverse effects on reproduction in California quail. Leopold, A S; Erwin, M; Oh, J; Browning, B *Science* 191 (4222): 98-100. Ref. Jan 9, 1976

034804 S13.S44
Biological principles of the formation of the type of dairy cattle for enterprises and farms with industrial technology [Breeding]. (Rus) Velitok, I G *S-kh Biol* 10 (3): 391-399. Ref. Eng. Sum. May/June 1975

034805 S13.S44
Changes of antigene properties of the bovine spermatozoa during their maturity in the epididymis and ejaculation. (Rus) Kononov, V P; Gorbunova, R I *S-kh Biol* 10 (1): 70-77. Ref. Eng. Sum. Jan/Feb 1975

034806 S13.S44
Content of RNA and sulfhydryl-groups in swine zygotes during natural ovulation and hormonal stimulation. (Rus) Martynenko, N A *S-kh Biol* 10 (4): 583-586. Ref. Eng. Sum. July/Aug 1975

034807 S13.S44
Determination of genetic sex by sexual chromatine in nuclei of neutrophyl leucocytes of the peripheral blood in vertebrates. (Rus) Kotova, S A *S-kh Biol* 10 (4): 616-618. July/Aug 1975

034808 S13.S44
Effect of water crystallization on spermatozoids during freezing of [stallion] semen. (Rus) Platov, E M; Lapteva, T M *S-kh Biol* 10 (1): 92-95. Ref. Eng. Sum. Jan/Feb 1975

034809 S13.S44
General and specific combining ability of meat lines of hens in diallele crosses. (Rus) Sergeev, V A; Sergeeva, V D; Boiko, E N *S-kh Biol* 10 (2): 280-284. Ref. Eng. Sum. Mar/Apr 1975

034810 S13.S44
Genetic polymorphism of beta-caseins in Kholmogorsky cattle. (Rus) Matiukov, V S *S-kh Biol* 10 (3): 463-464. May/June 1975

034811 S13.S44
On the evaluation of ram genotype with regard to the quality of the offspring as a result of interbreeding of sheep. (Rus) Kroiter, M K *S-kh Biol* 10 (2): 273-279. Eng. Sum. Mar/Apr 1975

034812 S13.S44
Secretory activity of the sexual apparatus in swine and rabbit females at the period of fertilization and early embryogenesis. (Rus) Korolev, V A; Bagdasarian, S N *S-kh Biol* 10 (4): 574-578. Ref. Eng. Sum. July/Aug 1975

034813 QH431.A1G43
A method for formation of analog groups in research on genetics and breeding [Cattle]. Novostavskii, V N; Gorlov, A I *Sov Genet* 10 (7): 842-844. July 1974 (Transl. 1976)

034814 QH431.A1G43
Color inheritance in Sokol sheep. Ogii, V G *Sov Genet* 10 (2): 178-181. Feb 1974 (Transl. 1975)

034815 QH431.A1G43
Further study of the mutation process in chinese hamster cells in vitro. Khalizev, A E; Petrova, O N; Shapiro, N I *Sov Genet* 10 (7): 845-853. Ref. July 1974 (Transl. 1976)

034816 QH431.A1G43
Genetic analysis of sterility in heifers. Zavertyaev, B P *Sov Genet* 10 (4): 441-445. Ref. April 1974 (Transl. 1975)

034817 QH431.A1G43
Genetic control of the potassium content in the erythrocytes of sheep (Ovis domesticus). Lazovskii, A A; Spiridonov, V I *Sov Genet* 10 (4): 450-454. Ref. April 1974 (Transl. 1975)

034818 QH431.A1G43
Genetic mechanisms and the evolution of heterosis [Animals, plants, insects]. Kirpichnikov, V S *Sov Genet* 10 (4): 540-551. Ref. April 1974 (Transl. 1975)

034819 QH431.A1G43
Genetically controlled electrophoretic variants of esterase in silver foxes [Fur bearing animals]. Serov, O L; Khlebodarova, T M; Sukoyan, M A *Sov Genet* 10 (2): 211-215. Ref. Feb 1974 (Transl. 1975)

034820 QH431.A1G43
Karyotype of an interspecific hybrid of the urial (Ovis vignei) with the Kazakh Fine-Fleeced sheep. Savitskii, V F; Sharipov, I K; Kabir-Biyuk-Ogly, A *Sov Genet* 10 (4): 552-553. April 1974 (Transl. 1975)

034821 QH431.A1G43
Karyotype of the Kazakh Arkhar-Merino sheep. Mukhamedgaliev, F M; Savitskii, V F *Sov Genet* 10 (4): 446-449. Ref. April 1974 (Transl. 1975)

034822 QH431.A1G43
Physicochemicl mechanisms of inbred depression and heterosis [Plants, animals]. Shakhbasov, V G *Sov Genet* 10 (4): 531-539. Ref. April 1974 (Transl. 1975)

034823 QH431.A1G43
Polymorphism and mosaicism for supernumerary chromosomes in silver roxes [Fur bearing animals]. Belyaev, D K; Volobuev, V T; Radzhabli, S I; Trut, L N *Sov Genet* 10 (2): 182-289. Ref. Feb 1974 (Transl. 1975)

034824 QH431.A1G43
Problems in planning breeding work with cattle. Nikoro, Z S *Sov Genet* 10 (7): 834-841. July 1974 (Transl. 1976)

034825 41.8 SP3
Pseudocyesis in the bitch [Pseudopregnancy, dogs]. Gompf, R E; Ott, J E *Speculum* 27 (2): 17-20. 1975

034826 S13.S8
Animal behavior and heredity (a review of literature). (Cze) Kucera, J *Stud Inf, Zakl Vedy Zemed* 3, 92 P. Ref. Eng. Sum. 1974

034827 S3.S8
Genetic parameters estimated on data from the Swedish pig progeny testing with special emphasis on meat colour. Lundstrom, K *Swed J Agric Res* 5 (4): 209-221. Ref. 1975

034828 275.249 G81
Arta department: the problem of bearing more than one offspring in sheep, and possibilities of double birth within the year. (Gre) Gkatzemas, I *Synchronos Georgia* 4: 115-119. July/Aug 1975

034829 49 T443
Breeding for fattening performance and carcass quality in the mutton sheep population. (Ger) Rohr, A *Tierzucht* 29 (9): 422-424. Sept 1975

034830 49 T443
Course of parturition and rearing performance of heifers of the Black Pied dairy cattle genotype based on Simmental cattle. (Ger) Fruh, G; Breitenstein, K G; Fiedler, H *Tierzucht* 29 (11): 504-506. Nov 1975

034831 49 T443
Estimate of fertility of bulls for artificial insemination. (Ger) Mudra, K; Ueckert, H; Ebertus, R; Braune, E *Tierzucht* 29 (9): 401-404. Sept 1975

034832 49 T443
Experience in the use of estrus synchronization in heifers in Halle County [Cattle]. (Ger) Krippner, S; Stenske, A *Tierzucht* 29 (10): 437-439. Oct 1975

034833 49 T443
First stocking of an industrial dairy with pregnant heifers or young proven cows. (Ger) Tourbier, R; Gotthardt, M *Tierzucht* 29 (9): 404-407. Sept 1975

034834 49 T443
Functional reproductive disturbances and fertility results in young and old sows of different gene constructions [Swine]. (Ger) Volker, H; Fritzsch, M; Pohlann, R *Tierzucht* 29 (10): 463-466. Oct 1975

034835 49 T443
Possibilities of increasing sow reproductive performance by having lactation coincide with pregnancy [Swine]. (Ger) Schlegel, W; Ahrens, M *Tierzucht* 29 (9): 414-417. Sept 1975

034836 49 T443
Rationalization of artificial insemination in hens. (Ger) Pingel, H; Henker, V *Tierzucht* 29 (11): 518-520. Nov 1975

034837 49 T443
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with Black Pied cows. (Ger) Kempe, W; Lohrke, B; Abtshagen, H; Schutze, C *Tierzucht* 29 (9): 398-400. Sept 1975

034838 49 T443
Studies on the liquid preservation of rooster and turkey sperm. (Ger) Reimschussel, U; Pingel, H *Tierzucht* 29 (11): 520-521. Nov 1975

034839 41.8 T431
Reproductive herd health program for dairy cattle. (Dut) Kruif, A de *Tijdschr Diergeneeskd* 100 (24): 1312-1320. Eng. Sum. Dec 15, 1975

034840 QD415.A1B58
The mechanism by which foetal cortisol controls the onset of parturition in the sheep. Flint, A P F; Anderson, A B M; Steele, P A; Turnbull, A C *Trans Biochem Soc* 3 (6): 1189-1194. Ref. 1975

034841 410 V42
Artificial insemination in mink. (Swe) Adams, C E *Vara Palsd* 46 (3): 67-69, 71-72. Mar 15, 1975

034842 410 V42
Chinchillas. XXVII [Breeding, mutations, varieties]. (Swe) Utne, R *Vara Palsd* 46 (8/9): 218-219. Sept 1, 1975

034843 410 V42
Connection between August and November gradation grading of mink pups [Performance]. (Swe) Sandh, G *Vara Palsd* 46 (7): 183-188. July 15, 1975

034844 410 V42
Cross-breeding within and between different mink lines. (Swe) Udris, A *Vara Palsd* 46 (2): 49. Feb 15, 1975

034845 410 V42
Homozygous black Finnish mink [Genetics]. (Swe) Udris, A *Vara Palsd* 46 (10): 232-233. Oct 15, 1975

034846 410 V42
Jet [black]-Aleutian mink [Breeding]. (Swe) Udris, A *Vara Palsd* 46 (10): 221-222, 225. Oct 15, 1975

034847 410 V42
The coat defect metallic [Fur animals, genetics]. (Swe) Udris, A *Vara Palsd* 46 (8/9): 202-204. Sept 1, 1975

034848 105.9 L65V
Clinical and laboratory research of cows on farms with [fertility] problems. (Ger) Arbeiter, K *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 213-225. Ref. 1975

034849 105.9 L65V
Further data concerning fertility disorders of cattle. (Ger) Schiller, H; Lengauer, E; Gusenleitner, J *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 255-299. Ref. 1975

034850 41.8 J93
Extensive animal breeding even tomorrow? (Cro) Kucinic, D *Vet Glas* 29 (6): 473-474. 1975

034851 41.9 C333
Abnormal shapes of drake spermatozoa nucleus. (Slo) Maretta, M *Vet Med (Prague)* 20 (7): 427-432. Ref. Eng. Sum. July 1975

034852 41.8 V6426
Gynecological dispensary system on large farms [Cattle, breeding]. (Rus) Valiushkin, K D; Vorob'ev, I G; Solov'ev, V I *Veterinariia (Mosk)* 9: 83-85. Sept 1975

034853 41.8 V6426
Preparation of rams for the mating campaign on distant pastures. (Rus) Chistiakov, I IA; Kim, R E *Veterinariia (Mosk)* 9: 87-88. Sept 1975

034854 41.8 V6439
Effect of glycerol solvent on the activity of deep-frozen bull [semen] ejaculates. (Slo) Fejes, J *Veterinarstvi* 25 (7): 300-302. 1975

034855 41.8 V6439
Estimation of contamination of deep-frozen bull semen. (Cze) Selinger, P *Veterinarstvi* 25 (7): 303-304. 1975

034856 41.8 V6439
Evaluation of the use of the shortened vagina in collecting bull spermatozoa at the breeding center of Nove Mesto nad Vahom. (Slo) Raclavska, O *Veterinarstvi* 25 (6): 269-271. 1975

034857 41.8 V6439
Experience from gradual realization of the hybridization program [Swine]. (Cze) Pulkrabek, M *Veterinarstvi* 25 (4): 149-150. 1975

034858 41.8 V6439
Legal regulation of breeding and reproduction of farm animals. (Slo) Pleva, J; Cabadaj, R; Szabo, M *Veterinarstvi* 25 (6): 274-275. 1975

034859 41.8 V6439
New method of hygienic removal of spermatozoa in the operation of cattle breeding stations. (Cze) Rysanek, M; Mazurova, J; Forejtek, M *Veterinarstvi* 25 (3): 113-114. 1975

034860 41.8 V6439
Possibilities of influencing puerperium in cows by intrauterine application of Calcium-Spofa. (Slo) Kacmarik, J; Hendrichovsky, V *Veterinarstvi* 25 (3): 119-120. 1975

034861 41.8 V6439
Regulated reproduction as a basis of successful swine breedng. (Cze) Jurak, E *Veterinarstvi* 25 (4): 156-159. 1975

034862 41.8 V6439
Regulation of the reproductive process of sows with regard to increasing their fertility. (Cze) Kudlac, E *Veterinarstvi* 25 (4): 151-152. 1975

034863 41.8 V6439
Reproductive potency of sows reared as baby pigs by early weaning. (Cze) Podany, J; Cerny, M; Muzikant, J; Canderle, J *Veterinarstvi* 25 (5): 205-207. Ref. 1975

034864 41.8 V6439
Some factors affecting the reproductive cycle of sows [Fertility]. (Cze) Vlcek, Z *Veterinarstvi* 25 (4): 153-155. 1975

034865 41.8 V6439
Use of chlormadinone acetate (Bovisynchron) for synchronizing estrus in cattle. (Cze) Vrtel, M; Kudlac, E *Veterinarstvi* 25 (3): 115-118. 1975

034866 20 V82
Developing the technology for obtaining boar sperm aseptically. (Ukr) Burov, V A *Visn Sil's'kohospod Nauki* 11: 82-85. Nov 1975

034867 20 V82
Heritability of useful traits of swine and the effectiveness of breeding on their polyploidy. (Ukr) Kriatova, R IE *Visn Sil's'kohospod Nauki* 11: 85-88. Nov 1975

034868 20 V82
Mating times of heifers and milk productivity of once-calved cows. (Ukr) Boiko, A T; Bondarenko, N H; Bykova, R P *Visn Sil's'kohospod Nauki* 11: 72-75. Nov 1975

034869 20 V82
Use of certain anti-bacterial agents in storing boar sperm. (Ukr) Pham The Ke, *Visn Sil's'kohospod Nauki* 11: 104-105. Nov 1975

034870 1 AG84Y
Beef—from trail drives to America's main course [Cattle, breeding]. Cundiff, L V; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 116-124. 1975

034871 1 AG84Y
Streamlining the hog, an abused individual [Breeding for meat]. Steyn, R; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 133-138. 1975

034872 410 Z36
Investigations on genetic constancy or subline drifting of inbred strains of rats and mice. (Ger) Hedrich, H J; Rapp, K G; Zschege, C *Z Versuchstierkd* 17 (5/6): 263-274. Ref. Eng. Sum. 1975

034873 49 Z65
Meat productivity and skin quality of calves: crosses of Bulgarian Red cattle with Charolais and Hereford. (Bul) Balabanov, I *Zhivotnovud Nauki* 12 (3): 3-12. Ref. Eng. Sum. 1975

034874 49 Z65
Study on milk yield and milk composition of purebred Murrahbuffalo cows and of crosses with native buffalo bulls. (Bul) Shalichev, IA; Tanev, G; Polikhronov, D *Zhivotnovud Nauki* 12 (3): 73-77. Eng. Sum. 1975

11 T58
Young bull production economics and optimal weight decrease under different conditions [Costs]. (Dan) Andersen, R; Ostergaard, V *12Mandsbladet* 47 (9): 427-431. Sept 1975

VETERINARY MEDICINE

034875 14 P215BC
Hidden vices in the sale of domestic animals [Diseases, legislation]. (Fre) Juglart, de *Acad Agric Fr C R Seances* 61 (7): 402-410. 1975

034876 15 AG84
Disinfection [Cattle sanitation]. (Spa) Merchan, F J *Agricultura (Madr)* 44 (514): 110-111. Feb 1975

034877 15 AG84
Livestock associations for collective sanitary protection. (Spa) Compaire Fernandez, C *Agricultura (Madr)* 44 (514): 137-139, 141-143. Feb 1975

034878 15 AG84
Regional laboratories of animal health. (Spa) Ladero Alvarez, J L; Garcia Ferrero, J L *Agricultura (Madr)* 44 (514): 125-127. Feb 1975

034879 15 AG84
Veterinary inspection. (Spa) Diez Ochoa, J *Agricultura (Madr)* 44 (514): 123-124. Feb 1975

034880 49 C43
Labor-saving management in the control of poultry diseases. (Jpn) Iwashina, K *Anim Husb* 29 (7): 929-933. July 1975

034881 16 M582
In memory of Filippo Usuelli [Veterinarians]. (Ita) Piana, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 388-395. Jan/Dec 1974 (Pub. 1975)

034882 41.9 P67
Considerations about the dissociative anesthesia in the tonsillectomy of the dog. (Ita) Carlucci, F *Ann Fac Med Vet Pisa* 27: 157-170. Ref. Eng. Sum. 1974 (Pub. 1975)

034883 41.8 AU1
The veterinarian and the world food supply. Westergaard, J M *Auburn Vet* 32 (1): 13-15, 28-29. Fall 1975

034884 SF985.F4
The use of hemostatic clips in feline ovariohysterectomy and orchiectomy. Wallace, L J; Stevens, G E *Feline Pract* 5 (6): 20-21, 24-27. Nov/Dec 1975

QH431.A1G4
On veterinary genetics [Hereditary diseases]. (Rus) Pritulin, P I *Genetika* 11 (9): 160-167. Ref. Eng. Sum. 1975

034885 26 H27
Why do the layers die? [Mortality]. (Heb) Dagani, I *Hassadeh* 56 (2): 245-248, 251. Nov 1975

034886 71.8 H413
Effect of artichoke (Cynara scolymus L.) extracts on urination and salt voidance of rats. (Hun) Racz-Kotilla, E; Racz, G; Wisky, E *Herba Hung* 14 (2/3): 101-106. Ref. Eng. Sum. 1975

034887 44.8 H65
You can't cull mastitis problems away [Cattle]. Beale, S H *Hoards Dairym* 121 (1): 36-37. Jan 10, 1976

034888 SF985.C3 1975
Blood and bloodforming organs [Cats, diseases]. Loeb, W F *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 225-250. Ref. 1975

034889 SF985.C3 1975
Diseases of the urinary system [Cats]. Finco, D R; Kneller, S K; Crowell, W A *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 251-302. Ref. 1975

034890 SF985.C3 1975
Fluid therapy [Cats]. Clark, C H *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 601-619. Ref. 1975

034891 SF985.C3 1975
Sedation and general anesthesia [Cats]. Soma, L R; Penney, B E *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 527-549. Ref. 1975

034892 SF985.C3 1975
Surgical procedures [Cats]. Leighton, R L; Herron, M R *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 551-599. Ref. 1975

034893 SF985.C3 1975
The digestive system [Cats, diseases]. Reed, J H *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 153-74. Ref. 1975

034894 SF985.C3 1975
The ear [Cats, diseases]. Beaver, B V G; Knauer, K W *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 519-526. Ref. 1975

034895 SF985.C3 1975
The eye [Cats, diseases]. Roberts, S R; Lipton, D E *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 485-518. 1975

SF985.C3 1975
The genital system [Diseases, abnormalities, reproduction, cats]. Stein, B S *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 303-354. Ref. 1975

034896 SF985.C3 1975
The nervous system [Cats, diseases]. Parker, A J; Small, E *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 363-434. Ref. 1975

034897 SF985.C3 1975
The respiratory system [Cats, diseases]. Sumner-Smith, G; Eger, C *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 175-194. Ref. 1975

034898 SF985.C3 1975
The skin [Cats, diseases]. Austin, V H *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 461-484. Ref. 1975

034899 41.8 IN2
The first report on the radiological diagnosis of thoracic diseases in large animals—a review of 140 clinical cases. Bhargava, A K; Tyagi, R P S *Indian Vet J* 52 (9): 722-726. Sept 1975

034900 20 M57AG
Some results and further tasks for cooperation on raising animal production in the Mongolian People's Republic through veterinary measures. (Ger) Splisteser, H *Int Z Landwirtsch* 5: 564-566. 1975

034901 20 M57AG
The microflora of the hen house and its influence on the health and performance of poultry. (Ger) Petkow, G; Zuzumanski, W *Int Z Landwirtsch* 6: 684-688. 1975

034902 41.8 IO9
Radiological interpretation of bones [Dogs, cats]. Schuster, D *Iowa Vet* 37 (2): 46-47. 1975

034903 SF601.A5
Rush pins in veterinary orthopedics—a review. Wolff, E F *J Am Anim Hosp Assoc* 11 (6): 756-761. Nov/Dec 1975

034904 SF601.A5
The real estate aspects of an animal hospital. Copich, W J *J Am Anim Hosp Assoc* 11 (6): 733-736. Nov/Dec 1975

034905 SF601.A5
The utilization of personnel [in veterinary practice]. Dooley, D R *J Am Anim Hosp Assoc* 11 (6): 745-749. Nov/Dec 1975

034906 41.8 AM3
Arrhythmogenic properties of thiamylal sodium in the dog. Musselman, E E *J Am Vet Med Assoc* 168 (2): 145-148. Ref. Jan 15, 1976

QH540.J6
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal sewage lagoon effluent [Health hazards to livestock]. Bell, R G *J Environ Qual* 5 (1): 39-42. Ref. Jan/Mar1976

034907 41.8 SO8
The choleretic action of Genebile in a dog. Immelman, A; Roos, C J; Owen, N C *J S Afr Vet Assoc* 46 (2): 149-151. June 1975

034908 41.8 K67
First trial use of the Telinject system in the dog. (Ger) Theissen, U *Kleintier Prax* 20 (8): 271-273. Eng. Sum. Nov 1975

034909 410.9 P94
Diagnostic radiology: its utilization in nonhuman primate medicine [Laboratory animals]. Silverman, S *Lab Anim Sci* 25 (6): 748-752. Dec 1975

034910 410.9 P94
Ketamine HCl [hydrogen chloride], a dissociative anesthetic for squirrel monkeys (Saimiri sciureus) [Laboratory animals]. Greenstein, E T *Lab Anim Sci* 25 (6): 774-777. Dec 1975

034911 410.9 P94
Shrews: a review of the diseases, anomalies, and parasites [Laboratory animals]. Stunkard, J A; Migaki, G; Robinson, F R; Christian, J *Lab Anim Sci* 25 (6): 723-734. Ref. Dec 1975

034912 11 L236
Sheep diseases. (Nor) *Landbrukstidende* 81 (28): 616-619, 621. July 12, 1975

034913 43.9 L932
A simplified technique for vasectomy of heat check boars [Surgery]. Godke, R A; Lambeth, V A; Kreider, J L; Root, R G; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 241-244. 1976

43.9 L932
The use of Rompun for surgical embryo transfer procedures in cattle [Sedatives]. Lambeth, V A; Root, R G; Bercovitz, A B; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 139-142. 1976

034914 41.8 M742
Dust control in industrialised swine units, its relevance to animal performance and health. (Ger) Bresk, B; Stolpe, J *Monatsh Veterinarmed* 30 (15): 572-576. Eng. Sum. Aug 1, 1975

034915 41.8 M742
Polytechnical instruction on livestock units in the region of Schwerin: experience under veterinary aspects. (Ger) Clermont, G *Monatsh Veterinarmed* 30 (20): 761-762. Eng. Sum. Oct 15, 1975

034916 41.8 N483
A steroid anaesthetic for cats. Evans, J M *N Z Vet J* 23 (12): 281-283. Dec 1975

034917 41.8 N813
Pyometra [metritis] in the dog; a pathophysiological investigation. I. The pyometra syndrome [caused by a combination of hormonal and microbial factors]. Borresen, B *Nord Veterinaermed* 27 (10): 508-517. Ref. Oct 1975

034918 41.8 R3224
Umbilical hernia repair with mersilene mesh [Dogs]. Ripley, W A; McCarnan, H R *Rev Vet Can* 15 (12): 357. Dec 1974

034919 41.8 R3226
Reflections on the organization of the veterinary profession within the framework of the World Veterinary Association. (Spa) Vuyst, A de; Cuenca, C L de *Rev Vet Venez* 39 (228): 29-46. July 31, 1975

034920 41.8 R3226
The thirty-five years of the Veterinary Institute of Investigations, July 5, 1940 to July 5, 1975. (Spa) *Rev Vet Venez* 39 (228): 47-61. July 31, 1975

034921 49 T443
Conversion and disposal of placentas by mechanical disintegration in industrial swine production plants [Sanitation]. (Ger) Bohme, R; Durre, S *Tierzucht* 29 (10): 461-462. Oct 1975

034922 49 T443
First results in the development and use of aerosol disinfection methods in industrial [livestock] facilities. (Ger) Polzenhagen, M; Trenner, P *Tierzucht* 29 (10): 470-472. Oct 1975

034923 49 T443
Influence of veterinary medicine on the intensification of industrial livestock production by speeding up scientific and technological advances. (Ger) Kurzweg, W *Tierzucht* 29 (10): 433-435. Oct 1975

034924 49 T443
Results of studies on udder sucking in heifers kept in industrial conditions [Cattle]. (Ger) Motsch, T; Jentsch, D; Kaphengst, P *Tierzucht* 29 (10): 445-447. Oct 1975

034925 49 T443
Spome economic aspects of assuring udder health in industrially producing dairies. (Ger) Hagelschuer, P; Adam, W; Hubner, R; Griepentrog, K; Jahnig, K P *Tierzucht* 29 (11): 506-509. Nov 1975

034926 49 T443
Studies on the use of artificial ultraviolet radiation in farrowing houses [Swine sanitation]. (Ger) Mehlhorn, G; Wilde, A; Bohme, I; Neumann, R; Kohler, R; Mehlhorn, I *Tierzucht* 29 (10): 453-457. Oct 1975

034927 49 T443
Surveys on the milk sucking problem in cattle. (Ger) Schluter, H; Teuffert, J; Lender, S *Tierzucht* 29 (10): 447-451. Oct 1975

034928 49 T443
Veternary aspects of first experience gained with folding fattening cattle in forests. (Ger) Bernhard, P *Tierzucht* 29 (11): 509-512. Nov 1975

034929 41.8 T431
In memoriam: Geurt Hupkes [Veterinarians]. (Dut) Muller, G *Tijdschr Diergeneeskd* 100 (24): 1340. Dec 15, 1975

034930 410 V42
Chinchillas. XXII. [Diseases, injuries]. (Swe) Utne, R *Vara Palsd* 46 (1): 25-26. Jan 15, 1975

034931 410 V42
Chinchillas. XXII. [Diseases]. (Swe) Utne, R *Vara Palsd* 46 (2): 59-60. Feb 15, 1975

034932 410 V42
Health and disease [in mink]. (Swe) Kull, K E *Vara Palsd* 46 (11): 260, 263. Nov 15, 1975

034933 41.8 C87
Commemoration of Professor Togo Rosati [Veterinarians]. (Ita) *Vet Ital* 26 (5/8): I-III. May/Aug 1975

034934 41.8 V6426
Blockage of nerves of organs of the pelvis and udder of cows [Anesthesia]. (Rus) Fateev, G S *Veterinariia (Mosk)* 9: 95-97. Sept 1975

034935 41.8 V6426
Method of spectral analysis in veterinary medicine. (Rus) Kudashev, A K *Veterinariia (Mosk)* 9: 115-116. Sept 1975

034936 41.8 V6426
Use of hydrogen peroxide to disinfect installations producing brucellosis preparations. (Rus) Shlygina, I N; Blekherman, B E; Akulova, G I; Bondarenko, Z P; Kaz'mina, T P *Veterinariia (Mosk)* 9: 42-43. Sept 1975

034937 41.8 V6439
A new organization of veterinary activity in the Mlada Boleslav District. (Cze) Visek, J *Veterinarstvi* 25 (8): 376-377. 1975

034938 41.8 V6439
Activities of a specialized veterinary center on a large swine farm using the group system of rearing. (Cze) Jurak, E *Veterinarstvi* 25 (5): 224-225. 1975

034939 41.8 V6439
Aspects of veterinary hygiene in the further development of sheep husbandry. (Slo) Vrzgula, L; Balascak, J; Posocha, J *Veterinarstvi* 25 (7): 313-314. 1975

034940 41.8 V6439
Experience from the active control of poultry health in field conditions. (Cze) Prochazka, F; Jirmanova, L; Slaby, V; Hlasny, J *Veterinarstvi* 25 (6): 258-259. 1975

034941 41.8 V6439
Health importance of swine insemination [for disease control]. (Cze) Kozumplik, J *Veterinarstvi* 25 (4): 147-148. 1975

034942 41.8 V6439
Importance of microclimate in the complex of hygienic measures for fattening swine. (Cze) Fiser, A; Klepal, M *Veterinarstvi* 25 (4): 170-172. 1975

034943 41.8 V6439
Practical information about tasks of veterinary service in sheep husbandry. (Slo) Chladecky, F *Veterinarstvi* 25 (4): 183-184. 1975

034944 41.8 V6439
Presence of inhibiting substances in the meat and organs of livestock killed in a sanitary slaughterhouse. (Slo) Siklenka, P; Pichnarcik, J *Veterinarstvi* 25 (11): 517-518. 1975

034945 41.8 V6439
Results of complex socialist rationalization in 1974 Czechoslovakian veterinary activities. (Cze) Robes, B *Veterinarstvi* 25 (6): 276-277. 1975

034946 41.8 V6439
Results of veterinary hygienic inspection activities in the Slovak Socialist Republic after 4 years of the fifth Five-Year Plan. (Slo) Smetana, M; Cervinkova, M *Veterinarstvi* 25 (8): 346-348. 1975

034947 41.8 V6439
Some experiences from five years of activity of a specialized veterinary center on a large swine farm. (Cze) Stefan, M *Veterinarstvi* 25 (5): 219-223. 1975

034948 41.8 V6439
Speicialized veterinary medicine in concentrated swine rearing. (Cze) Rais, J; Plasil, S *Veterinarstvi* 25 (4): 165-167. 1975

034949 41.8 V6439
Surgery and orthopedic equipment in large-scale cattle farms. (Cze) Kral, E; Cech, Z; Roztocil, V *Veterinarstvi* 25 (11): 495-497. 1975

034950 41.8 V6439
The place and importance of veterinary service in the reproduction process. (Slo) Pleva, J; Foldesova, M; Szabo, M; Cabadaj, R *Veterinarstvi* 25 (8): 373-375. 1975

034951 41.8 V6439
Use of analytical tables for diagnosis in veterinary medicine. (Slo) Foldesova, M; Pleva, J; Cabadaj, R *Veterinarstvi* 25 (3): 135-136. 1975

034952 41.8 V6439
Veterinary service relative to ensuring hygienic quality of foodstuffs. (Cze) Janicek, J *Veterinarstvi* 25 (8): 349-351. 1975

034953 1 AG84Y
The vets save our beef and milk, and the bacon [Veterinarians, livestock diseases, control]. Jensen, R; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 75-84. 1975

INFECTIOUS AND PARASITIC DISEASES

034954 QR1.A36
Pleural effusion disease in rabbits. Clinical and post mortem observations. Fennestad, K L; Jensen, H J S; Moller, S; Bentzon, M W *Acta Pathol Microbiol Scand, Sect B Microbiol* 83 (6): 541-548. Ref. Dec 1975

034955 QR1.A36
The serology of Bordetella bronchiseptica isolated from pigs compared with strains from other animal species. Pedersen, K B *Acta Pathol Microbiol Scand, Sect B Microbiol* 83 (6): 590-594. Dec 1975

034956 475 AC8
The histopathology of experimental disease produced in mice infected with Trypanosoma vivax. Isoun, T T *Acta Trop* 32 (3): 267-272. 1975

034957 448.3 AC85
Distribution of Lednice (Yaba 1) virus in the chick embryo. Rajcani, J; Krobova, J; Malkova, D *Acta Virol* 19 (6): 467-472. Nov 1975

034958 448.3 AC85
Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prowazeki by passages in cell culture [Chick embryos]. Ignatovich, V F *Acta Virol* 19 (6): 481-485. Nov 1975

034959 448.3 AC85
Immunization against Q-fever of naturally infected dairy cows. Sadecky, E; Brezina, R; Kazar, J; Schramek, S; Urvolgyi, J *Acta Virol* 19 (6): 486-488. Nov 1975

034960 448.3 AC85
Pig kidney epithelial (PS) cells: a perfect tool for the study of Flaviviruses and some other arboviruses. Kozuch, O; Mayer, V *Acta Virol* 19 (6): 498. Nov 1975

034961 448.8 AC8
Erythropoietin in the urine of horses donors of immune sera. Krzymowski, T; Minkowski, J; Przala, J; Przala, F *Acta Vitaminol Enzymol* 26 (2): 169-174. 1975

034962 41.8 AD9
Cat leukemia and its viruses. Jarrett, W F H *Adv Vet Sci Comp Med* 19: 165-193. Ref. 1975

034963 41.8 AD9
Equine infectious anemia [Virus]. Ishii, S; Ishitani, R *Adv Vet Sci Comp Med* 19: 195-222. Ref. 1975

034964 41.8 AD9
Landscape epidemiology (epizootiology) [Infectious diseasesof domestic and wild animals]. Galuzo, I G *Adv Vet Sci Comp Med* 19: 73-96. Ref. 1975

034965 41.8 AD9
Murine cytomegalovirus (MCMV) [Animals, mice, human]. Lussier, G *Adv Vet Sci Comp Med* 19: 223-247. Ref. 1975

034966 41.8 AD9
Some [infectious] diseases fo free-living wildlife. McDiarmid, A *Adv Vet Sci Comp Med* 19: 97-126. Ref. 1975

034967 S16.H8A32
Examination of the metabolism index of Salmonella typhimurium infected goose eggs. (Hun) Ernhaft, J; Pataky, M *Agrar Tud Egy Kozl (Godollo)* P. 19-25. 1974

034968 15 AG84
Animal brucellosis [Goats]. (Spa) Fernandez Delgado, J *Agricultura (Madr)* 44 (514): 81-84. Feb 1975

034969 15 AG84
Bovine tuberculosis [Control]. (Spa) Arce Garcia, F *Agricultura (Madr)* 44 (514): 75-79. Feb 1975

034970 15 AG84
Brief survey of some verminoses affecting ruminants. (Spa) Zabala Lapeyra, J A *Agricultura (Madr)* 44 (514): 101-103. Feb 1975

034971 15 AG84
Foot-and-mouth disease [Cattle]. (Spa) Campos Onetti, R *Agricultura (Madr)* 44 (514): 87-89. Feb 1975

034972 15 AG84
Mastitis of cows and its real importance. (Spa) Compaire Fernandez, C *Agricultura (Madr)* 44 (514): 129-136. Feb 1975

034973 15 AG84
Oily vaccines [Newcastle disease, prevention, chickens]. (Spa) Roca Cifuentes, E *Agricultura (Madr)* 44 (514): 105-109. Feb 1975

034974 15 AG84
1974 review of rabies [Zoonoses]. (Spa) Zarzuelo, E *Agricultura (Madr)* 44 (514): 91-99. Feb 1975

034975 449.9 AM3J
Canine salmonellosis: a review and report of dog to child transmission of Salmonella enteritidis. Morse, E V; Duncan, M A; Estep, D A; Riggs, W A; Blackburn, B O *Am J Public Health* 66 (1): 82-84. Ref. Jan 1976

034976 49 C43
Control of Haemophilus suis infection in swine. (Jpn) Suzuki, T *Anim Husb* 29 (7): 969-974. Ref. July 1975

034977 49 C43
Treating diarrhea of dairy calves. (Jpn) Nakane, H; Kurosaki, H; Nakayama, Y; Arai, K; Hasegawa, T; Terauchi, K *Anim Husb* 29 (7): 996-998. July 1975

034978 49 C43
Vaccination against Marek's disease in chicken [Avian lymphomatosis]. (Jpn) Watanabe, M *Anim Husb* 29 (7): 959-963. July 1975

034979 49 AN55
The relative incidence and effect of bovine infectious keratoconjunctivitis in Bos indicus and Bos taurus cattle. Frisch, J E *Anim Prod* 21 (3): 265-274. Ref. Dec 1975

16 M582
Heredity and infectious diseases of domestic animals [Resistance breeding]. (Ita) Piana, G; Galizzi Vecchiotti Antaldi, G *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 396-447. Ref. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

034980 41.9 P67
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. Casarosa, L; Lugetti, G; Orlandi, M *Ann Fac Med Vet Pisa* 27: 87-90. 1974 (Pub. 1975)

034981 41.9 P67
Brucella abortus strain 45/20 in the control of bovine brucellosis. (Ita) Paltrinieri, S; Farina, R *Ann Fac Med Vet Pisa* 27: 19-31. Ref. Eng. Sum. 1974 (Pub. 1975)

034982 41.9 P67
In memory of Professor Elvio H. Sadun [Parasitologists]. (Ita) Casarosa, L *Ann Fac Med Vet Pisa* 27: 79-86. Eng. Sum. 1974 (Pub. 1975)

034983 41.9 P67
Is the dog infected by oxyurid nematodes? [Enterobius vermicularis]. (Ita) Macchioni, G *Ann Fac Med Vet Pisa* 27: 97-99. Ref. Eng. Sum. 1974 (Pub. 1975)

034984 41.9 P67
Leptospirosis of sheep; natural infection by the serotype Leptospira hardjo [Abortion]. (Ita) Andreani, E; Santarelli, E; Diligenti, R *Ann Fac Med Vet Pisa* 27: 33-40. Ref. Eng. Sum. 1974 (Pub. 1975)

034985 41.9 P67
Ultrasonic treatment of cells infected with myxomatosis virus. (Ita) Tozzini, F *Ann Fac Med Vet Pisa* 27: 41-47. 1974 (Pub. 1975)

034986 QR180.A5
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). Brock, J H; Ortega, F; Pineiro, A *Ann Immunol* 126C (4): 439-451. Ref. June/July 1975

034987 41.8 AN78
Bovine respiratory syncytial virus in bovine respiratory pathology. (Fre) Wellemans, G; Leunen, J; Blondeel, H; Raeymaekers, R *Ann Med Vet* 119 (6): 359-369. Ref. Eng. Sum. Oct 1975

034988 41.8 AN78
Intestinal resorption of the tetanic antitoxin in the newborn calf. (Fre) Kaeckenbeeck, A; Depelchin, A; Schoenaers, F *Ann Med Vet* 119 (6): 351-357. Oct 1975

034989 41.8 AN78
Paratuberculosis, symptomatology and favoring factors [Cattle]. (Fre) Desmecht, M *Ann Med Vet* 119 (6): 371-382. Ref. Eng. Sum. Oct 1975

034990 41.8 AN78
Presence of Proteus and failure of antibiotherapy in neonatal calf diarrhea. (Fre) Pohl, P; Muylem, K van; Robaeys, G van *Ann Med Vet* 119 (7): 435-442. Nov 1975

034991 41.8 AN78
Stability of freeze dried vaccines against Marek's disease. (Fre) Meulemans, G; Bourgueil, P; Halen, P *Ann Med Vet* 119 (6): 383-389. Eng. Sum. Oct 1975

034992 41.8 AN78
Swine vesicular disease. (Fre) Schoenaers, F *Ann Med Vet* 119 (6): 411-413. Oct 1975

034993 41.8 AN78
The incidence of toxoplasma antibodies among sheep, cattle and pigs slaughtered in a Belgian slaughter-house. (Fre) Hans, J C *Ann Med Vet* 119 (7): 429-433. Eng. Sum. Nov 1975

034994 448.9 L75A
Filarial infections of dogs in the Zaria area. A microfilarial survey. Schillhorn van Veen, T; Blotkamp, J *Ann Trop Med Parasitol* 69 (4): 517-519. Ref. Dec 1975

034995 448.9 L75A
Histochemical differentiation of the microfilariae of Brugia pahangi and sub-periodic Brugia malayi [Cats, dogs]. Redington, B C; Montgomery, C A; Jervis, H R; Hockmeyer, W T *Ann Trop Med Parasitol* 69 (4): 489-492. Ref. Dec 1975

034996 41.8 AU1
Blastomycosis: a report of two cases, their diagnosis and treatment [Dogs]. Albert, R A; Turner, C *Auburn Vet* 32 (1): 4, 6-7, 24-27. Fall 1975

034997 41.8 AU1
Strongyloidosis [Strongyloides ransomi] in swine. Powe, T A *Auburn Vet* 32 (1): 17-19. Fall 1975

034998 442.8 AU7
Antibody response in sows following intramammary on intramuscular immunization with a killed Escherichia coli vaccine. Watson, D L *Aust J Exp Biol Med Sci* 53 (4): 305-313. Ref. Aug 1975

034999 442.8 AU7
Cortisone-resistant effector T cells in acute lymphocytic choriomeningitis and Listeria monocytogenes infection of mice. Zinkernagel, R M; Doherty, P C *Aust J Exp Biol Med Sci* 53 (4): 297-303. Ref. Aug 1975

035000 442.8 AU7
Salmonella enteritidis infection in rats: antigens involved in cell-mediated immunity. Marks, R M; Jackson, G D F; Cooper, G N *Aust J Exp Biol Med Sci* 53 (4): 315-324. Ref. Aug 1975

035001 442.8 AU7
The isolation of bovine ephemeral fever virus in cell cultures and evidence of autointerference. Tzipori, S *Aust J Exp Biol Med Sci* 53 (4): 273-279. Ref. Aug 1975

035002 47.8 B262
To protect rabbits against myxomatosis infection. (Hun) Szemenyei, K; Megyeri, V *Baromfitenyesztes* 19 (11): 26-27. Nov 1975

035003 18 G31A
Aseptic milking by implanted cannulae as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. (Ger) Tolle, A; Heeschen, W *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 60-71. Ref. Eng. Sum. 1975

035004 18 G31A
Conventional milking machines and the risk of infection of the bovine mammary gland. (Ger) Tolle, A; Reichmuth, J; Worstorff, H; Hamann, J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 15-50. Ref. Eng. Sum. 1975

035005 9.4 SO1
Verminosis or verminous bronchitis [Livestock]. (Spa) Isaza Gomez, G *Bol Agric* 647: 13727, 13730. Jan 1975

035006 RC261.B6
Studies of FeSV [Feline sarcoma virus] induced sarcomata in sheep with particular reference to the regional lymphatic system. Hall, J G; Scollay, R G; Birbeck, M S C; Theilen, G H *Br J Cancer* 32 (6): 639-659. Ref. Dec 1975

035007 396.8 B77
The development of antisera to prostaglandins B2 and F2alpha and their analysis using solid-phase and double antibody radioimmunoassay methods [Rabbits]. Dighe, K K; Emslie, H A; Henderson, L K; Simon, L; Rutherford, F *Br J Pharmacol* 55 (4): 503-514. Ref. Dec 1975

035008 512 W262
Immunodiffusion and electrophoretic analysis of antigens from Strongyloides papillosus [obtained from infected rabbits]. Sinski, E *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 199-202. 1975

035009 512 W262
Morphological picture of testes of bulls infected with microorganisms of the genus Chlamydia. Boryczko, Z; Smigla, K; Szaflarska-Stojko, E; Gasiorek, J *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 565-569. 1975

512 W262
The influence of pesticides on the oxygen uptake by miracidia of Fasciola hepatica (Trematoda) [Liver fluke]. Boniecka, B; Guttowa, A *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 463-467. Ref. 1975

035010 41.9 AZ1
Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK attenuated virus. (Jpn) Uchinuno, Y *Bull Azabu Vet Coll* 29: 59-113. Ref. Eng. Sum. Jan 1975

035011 22.5 M6932B
Studies on Bacteroides fragilis group. 1. Distribution of Bacteroides fragilis group in the large intestine of guinea pigs and chickens. (Jpn) Shinjo, T; Watanabe, Y; Nakamura, N; Hidaka, T *Bull Fac Agric Univ Miyazaki* 22 (1): 141-145. Ref. Eng. Sum. Oct 1975

035012 22.5 M6932B
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of exudates from normal and mastitic udders of the heifer. (Jpn) Shimizu, T; Shinjo, T; Hamana, K; Nagatomo, H; Nosaka, D; Otsuka, H; Hataya, M; Sakanoshita, A; Shindo, H *Bull Fac Agric Univ Miyazaki* 22 (1): 131-139. Ref. Eng. Sum. Oct 1975

035013 22.5 M6932B
The incidence of Concinnum ten in raccoon dogs captured in Miyazaki prefecture. Results obtained in hunting season, from November 1974 to February 1975. (Jpn) Murakami, T; Ashizawa, H; Saito, I *Bull Fac Agric Univ Miyazaki* 22 (1): 99-105. Map. Oct 1975

035014 107.6 Y14
Disc electrophoretic analysis of cellular components derived from Fusobacterium necrophorum [Bovine hepatic abscesses]. (Jpn) Kanoe, M; Yukitomo, S; Toda, M *Bull Fac Agric Yamaguti Univ* 26: 173-182. Ref. Eng. Sum. 1975

035015 107.6 Y14
Distribution of Fusobacterium necrophorum in bovine alimentary tracts. Kanoe, M; Imagawa, H; Toda, M *Bull Fac Agric Yamaguti Univ* 26: 161-172. Ref. 1975

035016 107.6 Y14
The production of hemagglutinin of Japanese B encephalitis virus in tissue cultures [Veterinary microbiology]. (Jpn) Mannami, S; Toda, M; Kanoe, M; Sasaki, K; Izuchi, Y *Bull Fac Agric Yamaguti Univ* 26: 147-160. Ref. Eng. Sum. 1975

035017 41.8 OF2
Basic principles of specific prevention of foot-and-mouth disease in the USSR. (Fre) Rakhmanine, P P; Darda, P N *Bull Off Int Epizoot* 83 (3/4): 211-215. Mar/Apr 1975

035018 41.8 OF2
Duration of post vaccination immunity to foot-and-mouth disease in cattle with chronic diseases. Experiments on leukosis and tuberculosis. (Fre) Muntiu, N; Bercan, A; Stirbu, C; Mircescu, G; Constantinescu, C; Andrei, N; Gugiu, I; Tomescu, A *Bull Off Int Epizoot* 83 (3/4): 301-312. Mar/Apr 1975

035019 41.8 OF2
Duration of post vaccination immunity to foot-and-mouth disease. New experimental works [Cattle]. (Fre) Muntiu, N; Bercan, A; Stirbu, C; Mircescu, G; Constantinescu, C; Andrei, N; Gugiu, I; Tomescu, A *Bull Off Int Epizoot* 83 (3/4): 313-324. Mar/Apr 1975

035020 41.8 OF2
Necessity to slaughter cattle vaccinated against foot-and-mouth disease. (Fre) Dhennin, L; Dhennin, L *Bull Off Int Epizoot* 83 (3/4): 325-326. Mar/Apr 1975

035021 41.8 OF2
Neutralizing antibodies of colostral origin in calves born of mothers vaccinated against foot-and-mouth disease. (Fre) Dannacher, G; Fedida, M; Coudert, M; Peillon, M *Bull Off Int Epizoot* 83 (3/4): 247-261. Ref. Mar/Apr 1975

035022 41.8 OF2
Post-vaccination immunity to foot-and-mouth disease in the calf. Determination of the optimal moment for the first vaccination. (Fre) Coudert, M; Dannacher, G; Fedida, M; Peillon, M *Bull Off Int Epizoot* 83 (3/4): 263-281. Mar/Apr 1975

035023 41.8 OF2
Results of a small scale field trial in Nigerian cattle of foot-and-mouth disease vaccines produced from local virus strains. Mowat, G N; Prince, M J; Owen, H; Taylor, W P *Bull Off Int Epizoot* 83 (3/4): 283-296. Ref. Mar/Apr 1975

035024 41.8 OF2
Study of persistance of foot-and-mouth disease antibodies in calves born from vaccinated cows. (Fre) Larenaudie, B; Remond, M; Guerin, O; Bordas, C *Bull Off Int Epizoot* 83 (3/4): 337-342. Mar/Apr 1975

41.8 OF2
Survival of foot-and-mouth disease virus in milk and milk products. Callis, J J; Hyde, J L; Blackwell, J H; Cunliffe, H R *Bull Off Int Epizoot* 83 (3/4): 183-191. Ref. Mar/Apr 1975

035025 41.8 OF2
The immune response obtained with quadrivalent FMD [footand-mouth disease] vaccines in Kenyan cattle. Berger, J; Schermbrucker, C G; Pay, T W F *Bull Off Int Epizoot* 83 (3/4): 327-336. Mar/Apr 1975

035026 41.8 OF2
The strategy of the fight against foot-and-mouth disease in the Americas. *Bull Off Int Epizoot* 83 (3/4): 297-299. Mar/Apr 1975

035027 41.8 OF2
Vaccination against foot-and-mouth disease of swine in Spain. Field results obtained with an O-C bivalent specific vaccine. (Fre) Zanuy, E; Marull, L; Casadevall Vilanova, D; Colson, X *Bull Off Int Epizoot* 83 (3/4): 217-246. Mar/Apr 1975

035028 41.8 OF2
Vaccination as a method of foot-and-mouth disease control: An appraisal of the success achieved in Kenya, 1968-1973 [Cattle]. Chema, S *Bull Off Int Epizoot* 83 (3/4): 195-209. Map. Mar/Apr 1975

035029 41.8 C162
A foot-and-mouth disease vaccine for swine. McKercher, P D; Bachrach, H L *Can J Comp Med* 40 (1): 67-74. Ref. Jan 1976

035030 41.8 C162
Experimental production of infectious bovine keratoconjunctivitis: comparison of serological and immunological responses using pili fractions of Moraxella bovis. Pugh, G W Jr; Hughes, D E *Can J Comp Med* 40 (1): 60-66. Ref. Jan 1976

035031 41.8 C162
Isolation of a subgroup two adenovirus from calf with weak calf syndrome. Stauber, E; Renshaw, H W; Boro, C; Mattson, D; Frank, F W *Can J Comp Med* 40 (1): 98-103. Ref. Jan 1976

035032 41.8 C162
Isolation of Brucella abortus from two dogs in contact withbovine brucellosis. Prior, M G *Can J Comp Med* 40 (1): 117-118. Jan 1976

035033 41.8 C162
Necrotic enteritis in broiler chickens. III. Reproduction of the disease [Clostridium perfringens]. Long, J R; Truscott, R B *Can J Comp Med* 40 (1): 53-59. Ref. Jan 1976

035034 41.8 C162
Phagocytic activity of bovine leukocytes during pregnancy [Staphylococcus aureus]. Newbould, F H S *Can J Comp Med* 40 (1): 111-116. Ref. Jan 1976

035035 41.8 C162
Studies on the response of ewes to live Chlamydiae adapted to chicken embryos or tissue culture. Becerra, V M; Ata, F A; Storz, J *Can J Comp Med* 40 (1): 46-52. Ref. Jan 1976

035036 41.8 C162
Temperature sensitivity studies on selected strains of Mycoplasma gallisepticum [Infected chicken flocks]. Truscott, R B; Patel, I R *Can J Comp Med* 40 (1): 89-91. Jan 1976

035037 41.8 C162
The indirect hemagglutination test for the detection of antibodies in cattle naturally infected with mycoplasmas. Cho, H J; Ruhnke, H L; Langford, E V *Can J Comp Med* 40 (1): 20-29. Ref. Jan 1976

035038 41.8 C162
The significance of the serotype in the clinical and pathological features of naturally occurring porcine salmonellosis [Salmonella choleraesuis kunzendorf, Salmonella typhimurium]. Wilcock, B P; Armstrong, C H; Olander, H J *Can J Comp Med* 40 (1): 80-88. Ref. Jan 1976

035039 41.8 C162
The structure of pili (fimbriae) of Moraxella bovis [Bacteria pathogenic to animals, infectious keratitis]. Simpson, C F; White, F H; Sandhu, T S *Can J Comp Med* 40 (1): 1-4. Ref. Jan 1976

035040 470 C16D
Development of the giant kidney worm, Dioctophyma renale (Goeze, 1782) (Nematoda: Dioctophymatoidea) [Found in mink]. Mace, T F; Anderson, R C *Can J Zool* 53 (11): 1552-1568. Ref. Nov 1975

035041 41.8 C61
An outbreak of viral arthritis in broiler breeders [Chickens]. (Ita) Manfredini, L *Clin Vet* 98 (10): 423-425. Ref. Oct 1975

035042 41.8 C61
Arthro-tenosynovitis of non-viral etiology in the chicken [Bacteria]. (Ita) Quaglio, G; Pascucci, S; Govoni, S; Maestrini, N *Clin Vet* 98 (10): 397-408. Ref. Oct 1975

035043 41.8 C61
Features and complications of the chronic respiratory disease in the chicken. (Ita) Bestetti, G; Valenza, F *Clin Vet* 98 (10): 444-449. Eng. Sum. Oct 1975

035044 41.8 C61
Infectious tenosynovitis: immunization experiments with a viral isolate [Chickens]. Van Der Heide, L *Clin Vet* 98 (10): 409-413. Oct 1975

035045 41.8 C61
Observations on an experimental infection of baby chicks with tenosynovitis virus. (Ita) Castelli, G; Rampin, T; Valeri, A *Clin Vet* 98 (10): 426-430. Ref. Eng. Sum. Oct 1975

035046 41.8 C61
Present knowledge on the viral tenosynovitis of the chick. (Ita) Rossi, C; Guarda, F *Clin Vet* 98 (10): 391-396. Ref. Oct 1975

035047 41.8 C61
Staphylococcosis of the chicken. (Ita) Mandelli, G *Clin Vet* 98 (10): 450-451. Oct 1975

035048 41.8 C61
The plaque reduction test in the study of antibodies against the viral arthritis reovirus [Chicken sera]. (Ita) Petek, M; D'Aprile, P N *Clin Vet* 98 (10): 418-422. Ref. Eng. Sum. Oct 1975

035049 41.8 C61
Trials to isolate viral agents [Newcastle virus] from chicken meats; thoughts on their characteristics. (Ita) Di Modugno, G; Maiolino, R; Lucisano, A *Clin Vet* 98 (10): 440-443. Eng. Sum. Oct 1975

035050 41.8 C81
Failure of attenuated canine distemper virus (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. Schultz, R D *Cornell Vet* 66 (1): 27-31. Jan 1976

035051 41.8 C81
Naturally occurring cerebrospinal parelaphostronglyosis [Parelaphostrongylus tennuis, goats]. Mayhew, I G; DeLahunta, A; Georgi, J R; Aspros, D G *Cornell Vet* 66 (1): 56-72. Ref. Jan 1976

035052 41.8 C81
Serologic evidence of equine leptospirosis in the northeast United States. Smith, R E; Williams, I A; Kingsbury, E T *Cornell Vet* 66 (1): 105-109. Map. Jan 1976

035053 41.8 C81
The future of bovine viral vaccines. Kahrs, R F *Cornell Vet* 66 (1): 3-9. Jan 1976

035054 412.628 D23
Summer vaccination [Mink, infectious diseases]. (Dan) Hansen, M *Dan Pelsdyravl* 38 (7): 225. July 20, 1975

035055 S13.B82
Action of immunogenic RNA on lymphocyte replication [Mice]. Dimitrova, A; Nachkov, D *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 97-100. Ref. 1975

035056 S13.B82
Use of concanavaline-A for establishing of cover-containingviruses. Vasileva, L; Dilovski, M; Nashkov, D *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 83-85. 1975

035057 QR180.E87
Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. Evans, G; Ivanyi, J *Europ J Immunol* 5 (11): 747-752. Ref. Nov 1975

035058 436.8 EX7
Brugia pahangi: susceptibility and macroscopic pathology of golden hamsters. Malone, J B; Thompson, P E *Exp Parasitol* 38 (3): 279-290. Ref. Dec 1975

035059 436.8 EX7
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: immunity in chickens with low multiple doses of mixed oocysts. Hein, H E *Exp Parasitol* 38 (3): 271-278. Dec 1975

035060 SF985.F4
A feline calicivirus vaccine combined with feline viral rhinotracheitis and feline panleukopenia vaccine. Bittle, J L; Rubic, W J *Feline Pract* 5 (6): 13-15. Ref. Nov/Dec 1975

035061 SF985.F4
Chronic relapsing stomatitis in a cat associated with feline leukemia virus infection. Barrett, R E; Post, J E; Schultz, R D *Feline Pract* 5 (6): 34, 36-38. Ref. Nov/Dec 1975

035062 280.38 F62
Detection of Yersinia enterocolitica in the feces and meat of pigs, bovines and poultry. (Ger) Leistner, L; Hechelmann, H; Kashiwazaki, M; Albertz, R *Fleischwirtschaft* 55 (11): 1599-1602. Ref. Eng. Sum. Nov 1975

035063 442.8 F712
Immunoglobulins on the surface of lymphocytes in ontogeny [Baby pigs]. Trebichavsky, I; Jaroskova, L; Sima, P; Prokesova, L; Kovaru, F *Folia Biol (Praha)* 21 (4): 228-233. Ref. 1975

035064 448.3 C332
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. Miler, I; Cerna, J; Travnicker, J; Rejnek, J; Kruml, J *Folia Microbiol* 20 (5): 433-438. Ref. 1975

436.8 C33
The role of mammals in natural foci of tick-borne [Ixodes ricinus] encephalitis in Central Europe. Cerny, V *Folia Parasit* 22 (3): 271-273. 1975

035065 50.8 H95
Number and percentage of some infectious and parasitic diseases experienced by slaughterhouses, 1971-1973. (Hun) Kazar, G; Gyimesi, V; Papp, A *Husipar* 24 (5): 192-202. Eng. Sum. Sept/Oct 1975

035066 100 IL64
A potential for fowlpox outbreaks [Virus diseases]. Tripathy, D N; Sells, D M; Hanson, L E; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 13. Fall 1975

035067 SF985.C3 1975
Bacterial and rickettsial diseases [Cats]. Prier, J E *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 63-70. Ref. 1975

035068 SF985.C3 1975
Internal metazoal and protozoal diseases [Cats]. Todd, K S Jr *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 85-112. Ref. 1975

035069 SF985.C3 1975
Mycotic diseases [Cats]. Horne, R D *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 71-84. Ref. 1975

035070 SF985.C3 1975
Viral diseases [Cats]. Ott, R L *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 17-62. Ref. 1975

035071 QP571.I5 1975
Immunization against gonadotropins in dogs. Faulkner, L C; Pineda, M H; Reimers, T J *In Immunization with Hormones in Reproduction Research Proceedings of the International Symposium* P. 199-216. Ref. 1975

035072 RC150.I48
Animal influenza [Virus diseases]. Easterday, B C *In The Influenza Viruses and Influenza. E. D. Kilbourne, ed.* P. 449-481. Ref. 1975

035073 44.8 IN28
Immunoglobulins of blood and milk of Indian pure and crossbred cattle. Bhatia, K L; Ganguli, N C *Indian J Dairy Sci* 28 (4): 297-299. Dec 1975

44.8 IN28
Studies on histamine concentrations in milk and blood in health and clinical mastitis in buffaloes and cows. Gupta, G C; Joshi, B P; Rai, P *Indian J Dairy Sci* 28 (4): 310-312. Ref. Dec 1975

035074 442.8 IN2
Cytotoxicity of staphylococcal enterotoxins [Chick embryos]. Ghosh, S S; Laxminarayana, H *Indian J Exp Biol* 13 (2): 210-211. Mar 1975

035075 442.8 IN2
Effect of host's nutrition [Rabbits] on immune response to amoebic antigen & on susceptibility to infection with Entamoeba histolytica. Rao, V G; Padma, M C *Indian J Exp Biol* 13 (2): 168-171. Ref. Mar 1975

035076 442.8 IN2
Some biochemical alterations in sheep pox infected lamb testicular cells. Tandon, H K L; Kalra, S K; Garg, D N; Goyal, S M *Indian J Exp Biol* 13 (2): 199-200. Mar 1975

035077 448.8 IN22
Antiviral activity of isoquinolines carbazoles and other miscellaeous synthetic chemicals in mice. Ganguly, P K; Gupta, B M *Indian J Med Res* 63 (10): 1418-1425. Ref. Oct 1975

035078 448.8 IN22
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep red blood cells] administration. Gautam, S C; Sehgal, S; Aikat, B K *Indian J Med Res* 63 (10): 1377-1387. Ref. Oct 1975

035079 448.8 IN22
Salmonellosis in poultry in India during 1958-1973. Basu, S; Dewan, M L; Suri, J C *Indian J Med Res* 63 (10): 1489-1494. Ref. Oct 1975

035080 SF481.I55
Life cycle and pathogenicity of Emeria acervulina [in poultry]. Harrigan, K E *Indian Poult Rev* 6 (24): 872. Aug 1, 1975

035081 SF481.I55
THe characteristics of a new Australian infectious bronchitis virus [Poultry]. Chubb, R C *Indian Poult Rev* 6 (24): 872. Aug 1, 1975

035082 41.8 IN2
Adaptations of buffalopox virus to an established cell line. Lal, S M *Indian Vet J* 52 (12): 958-959. Dec 1975

035083 41.8 IN2
Enterotoxemia [Clostridium welehii type D] outbreaks in sheep in Haryana. Vashishta, M S; Singh, R P *Indian Vet J* 52 (12): 960. Dec 1975

035084 41.8 IN2
Propagation and characterization of Ranikhet (Newcastle) disease virus in chicken embryo fibroblast and kidney cell culture. Bansal, M P; Kumar, S *Indian Vet J* 52 (12): 928-932. Ref. Dec 1975

035085 41.8 IN2
Serological survey of infectious bursal disease [Chickens]. Jayaramaiah, B; Mallick, B B *Indian Vet J* 52 (9): 673-676. Ref. Sept 1975

035086 41.8 IN2
Studies on the evaluation of the measles haemagglutination-inhibition test for rinderpest in Gujarat State [Cattle]. Jhala, V M; Ramachandran, S; Scott, G R *Indian Vet J* 52 (9): 677-681. Sept 1975

035087 41.8 IN2
Tetramorium tortosum (Rog), an intermediate host of poultrytapeworms Raillietina echinobothrida and Raillietina tetragona. Gogoi, A R; Hazarika, R N *Indian Vet J* 52 (12): 939-941. Dec 1975

035088 41.8 IN2
Vegetative endocarditis in a cow [Corynebacterium pyogenes]. Madhava Rao, P; Kamalapur, P N *Indian Vet J* 52 (12): 956-957. Dec 1975

035089 QH547.I55
Babesia rodhaini: immuno-induction of antigenic variation [Mice]. Roberts, J A; Tracey-Patte, P *Int J Parasitol* 5 (6): 573-576. Ref. Dec 1975

035090 QH547.I55
Babesia rodhaini: a study of the effects of immune serum [Mice]. Roberts, J A; Tracey-Patte, P D *Int J Parasitol* 5 (6): 577-581. Ref. Dec 1975

035091 QH547.I55
Energetics of a host-parasite system: a preliminary report [Hymenolepis diminuta, rats]. Bailey, G N A *Int J Parasitol* 5 (6): 609-613. Ref. Dec 1975

035092 QH547.I55
Epidemiological studies on horses infected with nematodes of the family Trichonematidae (Witenberg, 1925). Ogbourne, C P *Int J Parasitol* 5 (6): 667-672. Ref. Dec 1975

035093 QH547.I55
Taenia hydatigena. V. Surface structure of the adult worm and evaginated scolex [Dogs]. Featherston, D W *Int J Parasitol* 5 (6): 615-619. Dec 1975

035094 QH547.I55
The development of Taenia pisiformis in various definitive host species [Dogs, cats, foxes, ferrets]. Beveridge, I; Rickard, M D *Int J Parasitol* 5 (6): 633-639. Dec 1975

035095 QH547.I55
The effect of streptococcus on the persistence of Brugia malayi and on the production of elephantiasis in cats. Bosworth, W; Ewert, A *Int J Parasitol* 5 (6): 583-589. Ref. Dec 1975

035096 QH547.I55
The effects of X-radiation on Taenia pisiformis [Dogs]. Beveridge, I; Rickard, M D *Int J Parasitol* 5 (6): 641-649. Ref. Dec 1975

035097 20 M57AG
A new form of swine vesicular diseases [enteroviruses] and measures for their prevention. (Ger) Bakulow, I; Makarow, W *Int Z Landwirtsch* 6: 689-692. Ref. 1975

035098 20 M57AG
Measures for virus disease control in large groups of cattle. (Ger) Meszaros, J *Int Z Landwirtsch* 6: 680-684. 1975

035099 470 IO9
Passive transfer of heterologous immunity in avian malaria [Chickens, Plasmodium relictum]. Jabin, S; Farmer, J N *Iowa State J Res* 50 (2): 261-266. Ref. Nov 1975

035100 41.8 IO9
Chorioretinitis and detached retina as post-distemper lesions in the canine. Milke, B; Carithers, R W *Iowa Vet* 37 (2): 40-43. Ref. 1975

035101 41.8 IO9
Will the real feline resiratory disease please stand up? Slindee, C *Iowa Vet* 37 (2): 43-45. 1975

035102 16 IT1
Viruses [pathogenic to animals and plants; research projects, Italy]. (Ita) Lovisolo, O *Ital Agric* 112 (5): 50-52. May 1975

035103 SF601.A5
Successful management of nocardial empyema in a dog and cat [Nocardia asteroides]. Campbell, B; Scott, D W *J Am Anim Hosp Assoc* 11 (6): 769-773. Nov/Dec 1975

035104 381 J824
All intact subunit RNAs from Rous sarcoma virus contain poly (A). King, A M Q; Wells, R D *J Biol Chem* 25 (1): 150-152. Ref. Jan 10, 1976

035105 381 J824
High molecular weight RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain two subunits. King, A M Q *J Biol Chem* 25 (1): 141-149. Ref. Jan 10, 1976

035106 442.8 J829
Immunochemical analysid of water-soluble antigens of chick retina in the course of embryogenesis. Mikhailov, A T; Barabanov, V M *J Embryol Exp Morphol* 34 (3): 531-557. Ref. Dec 1975

035107 448.3 J823
The molecular relatedness of R factors in enterobacteria ofhuman and animal origin. Anderson, E S; Humphreys, G O; Willshaw, G A *J Gen Microbiol* 91 (Pt. 2): 376-382. Ref. Dec 1975

035108 QR360.A1J6
Characteristics of the major internal protein and RNA-dependent DNA polymerase of bovine leukaemia virus [Cattle, sheep]. Gilden, R V; Long, C W; Hanson, M; Toni, R; Charman, H P; Oroszlan, S; Miller, J M; Van der Maaten, M J *J Gen Virol* 29 (3): 305-314. Ref. Dec 1975

035109 QR360.A1J6
DNA polymerase in pseudorabies virus infected cells. Halliburton, I W; Andrew, J C *J Gen Virol* 30 (1): 145-148. Jan 1976

035110 QR360.A1J6
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with temperature-sensitive mutants. Stanners, C P; Goldberg, V J *J Gen Virol* 29 (3): 281-296. Ref. Dec 1975

035111 QR360.A1J6
Unique virus-related DNA sequences in sheep progressive pneumonia lung. Weiss, M J; Gulati, S C; Harter, D H; Sweet, R W; Spiegelman, S; Lopez, C *J Gen Virol* 29 (3): 335-339. Ref. Dec 1975

035112 QR360.A1J6
Viral factors required for interferon induction by Newcastle disease virus in mouse macrophages and chicken embryo cells. Azuma, M *J Gen Virol* 30 (1): 51-62. Ref. Jan 1976

035113 436.8 J82
Quantitative studies on Heterakis gallinarum infections in the common fowl, Gallus gallus L. Fine, P E M *J Helminthol* 49 (4): 229-243. Ref. 1975

035114 449.8 J82
The behaviour of porcine cytomegalovirus in commercial pig herds. Plowright, W; Edington, N; Watt, R G *J Hyg* 76 (1): 125-135. Ref. Feb 1976

035115 449.8 J82
The immunogenic activity of ribosomal fractions derived from Brucella abortus [Mice, guinea pigs]. Corbel, M J *J Hyg* 76 (1): 65-74. Ref. Feb 1976

035116 449.8 J82
The virulence of trimethoprim-resistant thymine-requiring strains of Salmonella [typhimurium, chickens]. Smith, H W; Tucker, J F *J Hyg* 76 (1): 97-108. Ref. Feb 1976

035117 448.8 J826
Electron microscopy study of the development of neurovaccinia virus in rabbit blood leucocyte cultures. Jelinkova, A; Benda, R; Novak, M *J Hyg Epidemiol Microbiol Immunol* 19 (3): 321-328. 1975

035118 QR180.J6
Reliability of the enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of Trichinella spiralis infections in conventionally raised pigs. Ruitenberg, E J; Steerenberg, P A; Brosi, B J M; Buys, J *J Immunol Methods* 10 (1): 67-83. Ref. 1976

035119 QR180.J6
The chromic chloride method of coupling antigens to erythrocytes: definition of some important parameters [Sheep]. Goding, J W *J Immunol Methods* 10 (1): 61-66. 1976

035120 41.9 J275
An outbreak of Pseudomonas aeruginosa infection in mink in Hokkaido and inoculation with OEP vaccine. (Jpn) Takashima, I; Homma, Y; Shimizu, T; Noda, H; Yanagawa, R *J Jap Vet Med Assoc* 28 (10): 524-528. Ref. Eng. Sum. Oct 1975

035121 41.9 J275
Preventive effect of a mixture of sulfamonomethoxine and pyrimethamine on swine against experimental infection with Toxoplasma oocysts. (Jpn) Sasaki, Y; Iida, T; Tsuchiya, Y; Usui, K; Oomura, K; Sekino, T; Tsunoda, K; Ito, S; Tsutsumi, Y *J Jap Vet Med Assoc* 28 (10): 531-534. Ref. Eng. Sum. Oct 1975

035122 41.9 J275
Problems on the preventive inoculation against canine distemper. (Jpn) Motohashi, T *J Jap Vet Med Assoc* 28 (10): 511-515. Ref. Oct 1975

035123 440.9 R81J
A method of collecting and processing nematode larvae for electron microscopy [Animal diseases]. Smith, K *J Microsc (Lond)* 105 (2): 229-232. Nov 1975

035124 44.8 J824
The natural history of anisakiasis in animals [Fishes]. Cheng, T C *J Milk Food Technol* 39 (1): 32-46. Ref. Jan 1976

035125 41.8 SO8
Cat bite transmission of Yersinia pestis infection to man. Thornton, D J; Tustin, R C; Pienaar, B J te W N; Bubb, H D *J S Afr Vet Assoc* 46 (2): 165-169. Ref. June 1975

035126 41.8 SO8
Chlamydiosis in a beef herd. Ehret, W J; Schutte, A P; Pienaar, J G; Henton, M M *J S Afr Vet Assoc* 46 (2): 171-179. Ref. June 1975

035127 41.8 SO8
Experimental Phomopsis leptostromiformis mycotoxicosis of pigs. Rensburg, I B J van; Marasas, W F O; Kellerman, T S *J S Afr Vet Assoc* 46 (2): 197-204. Ref. June 1975

035128 41.8 J8292
Some aspects of the pharmacology of antibiotics in the cat and dog. Keen, P *J Small Anim Pract* 16 (12): 767-773. Ref. Dec 1975

035129 QR360.J6
Comparison of an avian osteopetrosis virus with an avian lymphomatosis virus by RNA-DNA hybridization. Smith, R E; Davids, L J; Neiman, P E *J Virol* 17 (1): 160-167. Ref. Jan 1976

035130 QR360.J6
Comparison of RNA polymerase associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. Stanwick, T L; Hallum, J V *J Virol* 17 (1): 68-73. Ref. Jan 1976

035131 QR360.J6
High spontaneous mutation rate of an avian sarcoma virus. Zarling, D A; Temin, H M *J Virol* 17 (1): 74-84. Ref. Jan 1976

035132 QR360.J6
In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. Collett, M S; Faras, A J *J Virol* 17 (1): 291-295. Ref. Jan 1976

035133 QR360.J6
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. Kaluza, G; Kraus, A A; Rott, R *J Virol* 17 (1): 1-9. Ref. Jan 1976

035134 QR360.J6
Quantitative analysis of the rescue of RNA sequences by mammalian type C viruses. Goldberg, R J; Levin, R; Parks, W P; Scolnick, E M *J Virol* 17 (1): 43-50. Ref. Jan 1976

035135 QR360.J6
Reactivity of avian RNA tumor viruses with lectins. Ishizaki, R; Bolognesi, D P *J Virol* 17 (1): 132-139. Ref. Jan 1976

035136 QR360.J6
Ribonucleotide sequence homology among avian oncornaviruses. Shoyab, M; Baluda, M A *J Virol* 17 (1): 106-113. Ref. Jan 1976

035137 448.8 J273
Adjuvant effect of lipid A obtained from Salmonella typhimurium on antibody response in mouse spleen: the role of carriers conjugated to lipid A. Nakano, M; Saito, T; Asou, H *Jap J Microbiol* 19 (5): 403-406. Ref. Oct 1975

035138 448.8 J273
Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. Suzuki, M; Hayashi, Y *Jap J Microbiol* 19 (5): 355-362. Ref. Oct 1975

035139 448.8 J273
The effect of 2, 4-dinitrophenol on the growth of Bordetella pertussis in chick tracheal organ culture. Iida, T; Ajiki, Y *Jap J Microbiol* 19 (5): 381-386. Oct 1975

035140 41.8 K67
The efficacy of Candivac SHL against distemper, canine viral hepatitis, leptospirosis, and rabies tested in dogs. (Ger) Ackermann, O; Lang, L *Kleintier Prax* 20 (7): 205-206, 208-214. Ref. Eng. Sum. Oct 1975

035141 41.8 K67
The mortality of puppies controlled by use of an interferon inducer. (Ger) Bibrack, B *Kleintier Prax* 20 (8): 258-263. Eng. Sum. Nov 1975

035142 410.9 P94
A natural case of Schistosoma mansoni in the chimpanzee (Pan troglodytes versus) [Laboratory animals]. Renquist, D M; Johnson, A J; Lewis, J C; Johnson, D J *Lab Anim Sci* 25 (6): 763-768. Dec 1975

035143 43.9 L932
A new development for a potentially improved anaplasmosis [Anaplasma] vaccine [Beef cattle]. Dimopoullos, G T; Budden, J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 217-219. 1976

035144 43.9 L932
Effects of vaccination of beef cattle for anaplasmosis [Anaplasma]. Loyacano, A F; Nipper, W A; Blakewood, B W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 215-216. 1976

035145 43.9 L932
The use of anthelmintics in rotational grazing coastal Bermudagrass [Cynodon dactylon] for maximum gains [Beef cattle]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 220-221. 1976

035146 QR1.M56
Adhesive properties of enteropathogenic bacteria [Animal diseases]. Jones, G W *Microbiology (Wash, D C)* P. 137-142. Ref. 1975

035147 QR1.M56
Mycotoxin-induced alterations of immunity [Livestock diseases]. Richard, J L; Thurston, J R; Pier, A C *Microbiology (Wash, D C)* P. 388-396. Ref. 1975

035148 QR1.M56
Rapid detection of mycoplasmata and non-culturable agents in animal cell cultures by uracil incorporation. Kenny, G E *Microbiology (Wash, D C)* P. 32-36. Ref. 1975

44.8 M5933
Studies on the Clostridia content of Finnish silage and cow feces [Dairy hygiene]. (Ger) Ali-Yrkko, S; Antila, M *Milchwissenschaft* 30 (12): 753-759. Ref. Eng. Sum. Dec 1975

035149 18 N39
Barn disinfection in swine rearing. (Ger) Behrens, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (21): 1165. Nov 6, 1975

18 N39
Practice of barn disinfection in cattle rearing. (Ger) Reuss, U *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1267. Dec 4, 1975

035150 18 N39
Testing possibilities for barn disinfection. (Ger) Blendl, H *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1266. Dec 4, 1975

035151 41.8 M742
Course of transmissible gastroenteritis (TGE) of swine in a large piglet unit prior to and following the use of Riems TGE vaccine. (Ger) Leopoldt, D; Liebermann, H; Zagrodnik, G; Sobanski, E; Fritzsch, M; Hahn, H *Monatsh Veterinarmed* 30 (17): 646-649. Eng. Sum. Sept 1, 1975

035152 41.8 M742
Diagnosis and epizootiological observations on the occurrence of haemophilus pleuropneumonia in swine in the north of the German Democratic Republic. (Ger) Kiupel, H *Monatsh Veterinarmed* 30 (18): 685-687. Ref. Eng. Sum. Sept 15, 1975

035153 41.8 M742
Epizootiology of transmissible gastroenteritis of swine. (Ger) Leopoldt, D; Liebermann, H; Zagrodnik, G *Monatsh Veterinarmed* 30 (17): 641-645. Ref. Eng. Sum. Sept 1, 1975

035154 41.8 M742
Experimental testing of chemical substances for their action on liver fluke [Fasciola]. (Ger) Recknagel, H; Werner, E *Monatsh Veterinarmed* 30 (26): 768-772. Ref. Eng. Sum. Oct 15, 1975

035155 41.8 M742
Exungulation of all extremities in a female elephant in consequence of a smallpox infection. (Ger) Kuntze, A; Burger, M; Jancke, S; Topfer, I *Monatsh Veterinarmed* 30 (18): 703-705. Ref. Eng. Sum. Sept 15, 1975

41.8 M742
Larvae of Calliphoridae as pathogens of myiasis in guinea pigs. (Ger) Ribbeck, R; Schumann, H; Bergmann, V *Monatsh Veterinarmed* 30 (15): 584-587. Ref. Eng. Sum. Aug 1, 1975

035156 41.8 M742
Sarcocysts in sheep: differences in cyst wall structure. (Ger) Bergmann, V; Kinder, E *Monatsh Veterinarmed* 30 (20): 772-774. Eng. Sum. Oct 15, 1975

035157 41.8 M742
Sarcosporidiasis in red and fallow deer. (Ger) Drost, S; Graubmann, H D *Monatsh Veterinarmed* 30 (15): 587-589. Ref. Eng. Sum. Aug 1, 1975

035158 41.8 N483
Capillaria infection in a pig. McKenna, P B; Buddle, R *N Z Vet J* 23 (10): 242-243. Oct 1975

035159 41.8 N483
Critical test evaluation of micronized mebendazole against Anoplocephala perfoliata in the horse. Kelly, J D; Bain, S A *N Z Vet J* 23 (10): 229-232. Ref. Oct 1975

035160 41.8 N483
Feline infectious peritonitis: a review [Cats]. Jones, B R *N Z Vet J* 23 (10): 221-225. Ref. Oct 1975

035161 41.8 N483
Hairy shaker disease: preliminary studies on the nature of the agent, and the induced serological response [Sheep]. Durham, P J K; Forbes-Faulkner, J C; Poole, W S H *N Z Vet J* 23 (10): 236-240. Ref. Oct 1975

035162 41.8 N483
Milk leucocyte counts and their significance in mastitis control [Dairy cattle]. Clarkson, A R *N Z Vet J* 23 (12): 284-286. Ref. Dec 1975

035163 41.8 N483
The prevalence of antibodies to bovine virus diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. Durham, P J K; Forbes-Faulkner, J C *N Z Vet J* 23 (10): 226-229. Oct 1975

035164 472 N21
Identification of heat-dissociable RNA complexes in two porcine coronaviruses. Garwes, D J; Pocock, D H; Wijaszka, T M *Nature* 257 (5527): 508-510. Ref. Oct 9, 1975

035165 472 N21
Interaction of tryptophan transfer RNA with Rous sarcoma virus 35S RNA. Eiden, J J; Quade, K; Nichols, J L *Nature* 259 (5540): 245-247. Ref. Jan 22, 1976

035166 472 N21
Plaque-forming factor produced by Mycoplasma pulmonis [Animal diseases]. Gourlay, R N; Wyld, S G; Taylor-Robinson, D *Nature* 259 (5539): 120-122. Jan 15, 1976

035167 448.8 AR2
Intraaxonal and extraaxonal transport of 125I-[iodine isotope]-tetanus toxin in early local tetanus [Cats]. Erdmann, G; Wiegand, H; Wellhoner, H H *Nauyn Schmiedebergs Arch Pharmacol* 290 (4): 357-373. Ref. 1975

035168 41.8 N813
A hypophysis-abscess-syndrome in cattle. I. Clinical investigations [Cornebacterium pyogenes]. (Dan) Espersen, G *Nord Veterinaermed* 27 (10): 465-481. Ref. Eng. Sum. Oct 1975

035169 41.8 N813
Characterization of atypical Actinobacillus lignieresii isolated from ducks with salpingitis and peritonitis. Bisgaard, M *Nord Veterinaermed* 27 (7/8): 378-383. Ref. July-/Aug 1975

035170 41.8 N813
Eimeria leuckarti and Dicrocoelium dendriticum observed in horses imported to Denmark. (Dan) Henriksen, S A *Nord Veterinaermed* 27 (7/8): 393. July/Aug 1975

035171 41.8 N813
Influence of restrictive use of antibiotics on the development of drug resistance in intestinal Escherichia coli from pigs [Diarrhea]. (Dan) Larsen, J L; Nielsen, N C *Nord Veterinaermed* 27 (7/8): 353-364. Ref. Eng. Sum. July/Aug 1975

035172 41.8 N813
Parasites in reindeer calves—feces examination. (Swe) Christensson, D; Rehbinder, C *Nord Veterinaermed* 27 (10): 496-498. Eng. Sum. Oct 1975

035173 41.8 N813
Parasitic granulomas in reindeer. A histopathological, parasitological and bacteriological study. (Swe) Rehbinder, C; Christensson, D; Glatthard, V *Nord Veterinaermed* 27 (10): 499-507. Ref. Eng. Sum. Oct 1975

035174 41.8 N813
Preweaning mortality in pigs. 6. Incidence and causes of pneumonia [Streptococcus, Haemophilus parahaemolyhticus, Bordetella bronchiseptica]. Bille, N; Larsen, J L; Svendsen, J; Nielsen, N C *Nord Veterinaermed* 27 (10): 482-495. Ref. Oct 1975

035175 410 OH3
A survey of the gastrointestinal helminths of the muskrat, Ondatra zibethicus, collected from two localities in Ohio. Rice, E W; Heck, O B *Ohio J Sci* 75 (5): 263-264. Sept 1975

035176 41.8 ON1
The occurrence and pathology of chlamydiosis [Chlamydia] indomestic and laboratory animals: a review [Bacterial diseases]. Pienaar, J G; Schutte, A P *Onderstepoort J Vet Res* 42 (3): 77-89. Ref. Sept 1975

035177 41.8 ON1
The partial purification of Clostridium perfringens beta toxin [Livestock]. Worthington, R W; Mulders, M S G *Onderstepoort J Vet Res* 42 (3): 91-98. Sept 1975

035178 448.8 P21
Enzyme variation in Eimeria species of the chicken [Coccidiosis]. Shirley, M W *Parasitology* 71 (3): 369-376. Ref. Dec 1975

035179 448.8 P21
Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. Threadgold, L T *Parasitology* 71 (3): 437-443. Dec 1975

035180 448.8 P21
Genetic control of immune responses to parasites: selection for responsiveness and non-responsiveness to [the nematode] Trichuris muris in random-bred mice. Wakelin, D *Parasitology* 71 (3): 377-384. Ref. Dec 1975

035181 448.8 P21
Immune responses to infections with coccidia [of Eimeria acervulina] in chickens: gut hypersensitivity. Rose, M E; Long, P L; Bradley, J W A *Parasitology* 71 (3): 357-368. Ref. Dec 1975

035182 448.8 P21
Observations on the development of Haemonchus contortus in young sheep given a single infection [an intestinal nematode]. Coadwell, W J; Ward, P F V *Parasitology* 71 (3): 505-515. Dec 1975

035183 448.8 P21
Transferred drug-resistance in Eimeria maxima [cause of chicken coccidiosis]. Joyner, L P; Norton, C C *Parasitology* 71 (3): 385-392. Ref. Dec 1975

035184 QL757.A1P32
Amino acids of proteins of oocysts in some species of Coccidia from hens. (Rus) Perov, M F; Tal'drik, A A *Parazitologiia* 9 (6): 535-539. Eng. Sum. Nov/Dec 1975

035185 HD9435.N45P6
The enviromental impact of antibacterial drugs in food animals. Solomons, I A *Pork Ind Gaz* 5 (4): 23, 25, 27-28. July/Aug 1975

035186 SF481.P64
Immunity trial of fowl pox 'BM' strain vaccine against virulent fowl pox virus (Punjab isolate-1) [Chickens]. Pandey, K D; Garg, S P *Poult Guide* 12 (10): 34c-36. Oct 1975

035187 SF481.P642
What you can do about those new and re-emerging diseases [Poultry]. Halvorson, D A *Poult Patrika* 4 (3): 97-99. Mar 1975

035188 500 N21P
Rous sarcoma virus activates embryonic globin genes in chicken fibroblasts. Groudine, M; Weintraub, H *Proc Natl Acad Sci U S A* 7 (11): 4464-4468. Ref. Nov 1975

035189 442.9 SO1
Enhancement and interference in chickens inoculated with Marek's disease herpesvirus and oncornaviruses. Smith, M E; Campbell, W F; Farrow, W M; Frankel, J W *Proc Soc Exp Biol Med* 150 (3): 574-577. Ref. Dec 1975

035190 442.9 SO1
Origin of antibody-dependent, lymphoid-cell-independent hemolytic plaques in rabbit spleen cell cultures. Lambert, W C; Hanna, E E *Proc Soc Exp Biol Med* 150 (3): 636-640. Ref. Dec 1975

035191 49 P943
Observations concerning the relationship between some epizootologic factors and the frequency of lesions in pig enzootic pneumonia. (Rum) Dorobantu, R; Csaba, F *Rev Cresterea Anim* 26 (5): 72-75. June 1975

035192 49 P943
Quick diagnostic methods of hog cholera. (Rum) Manolescu, N; Popa, M; Totorcea, N; Radu, O *Rev Cresterea Anim* 25 (7): 66-69. July 1975

035193 49 P943
Research in pig dysentery attributed to the pathogene organism Treponema hyodysenteriae. (Rum) Draghici, D; Popovici, I; Lincan, C; Stanuica, D; Paunescu, G *Rev Cresterea Anim* 26 (5): 60-68. Ref. June 1975

035194 49 P943
Self-immunization in the cutaneous papillomatosis in cattle. (Rum) Enache, H *Rev Cresterea Anim* 25 (7): 85-86. July 1975

035195 49 P943
Some elements of etiopathogeny in cattle leukosis. (Rum) Manolescu, N; Begnescu, R; Miciora, R *Rev Cresterea Anim* 26 (6): 69-71. June 1975

035196 448.8 R32
Johne's disease of cattle: comparison of four diagnostic microscopic methods. (Spa) Zamora, J; Reinhardt, G; Rojas, X *Rev Latinoam Microbiol* 17 (2): 59-61. Eng. Sum. Apr/June 1975

035197 41.8 R3226
Chronic respiratory disease of poultry: vaccination against avian mycoplasmosis with the Mycovax vaccine. (Spa) *Rev Vet Venez* 39 (231): 241-262. Oct 31, 1975

035198 41.8 R3226
The place of spiramycin in mycoplasmosis control in poultry. (Spa) Touratier, L; Camou. R *Rev Vet Venez* 39 (231): 230-240. Oct 31, 1975

035199 QR180.S3
Correction: Mouse spleen cells cultured in homologous serumcan indeed make primary antibodies to sheep erythrocytes [Immunity]. Britton, S *Scand J Immunol* 4 (7): 681-686. Ref. 1975

035200 QR180.S3
The failure of allogeneic cells to maintain an immume response in nude mice [Infectious diseases]. Kindred, B *Scand J Immunol* 4 (7): 653-656. Ref. 1975

035201 S13.S44
Adaptive immunity in hoofed animals in ontogenesis. (Rus) Chekishev, V M *S-kh Biol* 10 (2): 250-256. Ref. Eng. Sum. Mar/Apr 1975

035202 S13.S44
Complement-binding activity of immunoglobulins of sera of blood and ewe colostrum infected with sheep abortion virus. (Rus) Borovik, R V; Khamadeev, R Kh; Gaffarov, Kh Z; Shafikova, R A *S-kh Biol* 10 (1): 107-109. Eng. Sum. Jan/Feb 1975

035203 S13.S44
Effect of antibiotics on some metabolic processes in Black Pied bulls. (Rus) Sergeev, N I; Shikhova, R IA; Zabolotskii, V A; Smyslova, A G *S-kh Biol* 10 (1): 78-81. Eng. Sum. Jan/Feb 1975

035204 S13.S44
Effect of vitamin C on the immunological reactivity of animal anaerobic infections. (Rus) Kadymov, R A; Kulibekov, F M *S-kh Biol* 10 (3): 458-460. May/June 1975

035205 S13.S44
Interference between the pathogen of Newcastle disease in poultry and the Rous sarcoma virus in vitro. (Rus) Voronin, E S; Kravchenko, A T; Trubitsyn, B I; Dzhibilov, I I *S-kh Biol* 10 (4): 592-594. Eng. Sum. July-/Aug 1975

035206 S13.S44
Life cycle of toxoplasm and their epizootological danger for animals. (Rus) Timofeev, B A; Akulov, A V *S-kh Biol* 10 (2): 257-263. Ref. Eng. Sum. Mar/Apr 1975

S13.S44
Molecular mechanisms of the thermoinactivation of [plant and animal] viruses. (Rus) Kozhanov, N G; Kolosov, V M; Savve, V D *S-kh Biol* 10 (3): 400-406. Ref. Eng. Sum. May/June 1975

035207 S13.S44
On the mechanism of chronic foot-and-mouth infection of cell cultures with specific resistance to the virus. (Rus) Lebedev, A I; Avilov, V S; Gogolev, M M; Dun, E A; Kozyrenko, T I *S-kh Biol* 10 (1): 110-117. Ref. Eng. Sum. Jan/Feb 1975

035208 S13.S44
Present state and prospects of the method of aerosol vaccination of animals. (Rus) Bakulov, I A; Bondarenko, I M; Burtsev, V I *S-kh Biol* 10 (1): 128-135. Ref. Eng. Sum. Jan/Feb 1975

035209 S13.S44
Transition of immunity to the offspring in animals with the chemochorial type of placenta. (Rus) Fedorov, IU N *S-kh Biol* 10 (1): 102-106. Ref. Eng. Sum. Jan/Feb 1975

035210 S13.S44
Transition of immunity from the mother to the offspring in ruminants. (Rus) Kovalenko, IA R; Fedorov, IU N; Likhotina, N A *S-kh Biol* 10 (3): 424-428. Ref. Eng. Sum. May/-June 1975

035211 44.8 SO86
Mastitis control [Cattle]. *South Aust Dairym J* 15 (1): 3-4, 6-10. July/Aug 1975

035212 49 T443
Prevention of coli enterotoxemia in weaned swine [Edema disease]. (Ger) Westphal, B; Grabe, P *Tierzucht* 29 (10): 457-461. Oct 1975

035213 41.8 T431
A case of swine vesicular disease (SVD) in the Netherlands [is compared with foot-and-mouth diseases, virus diseases]. (Dut) Franssen, P G J *Tijdschr Diergeneeskd* 100 (24): 1325-1327. Eng. Sum. Dec 15, 1975

035214 41.8 T431
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as well as in foods and effluents. (Dut) Edel, W; Schothorst, M van; Kampelmacher, E H *Tijdschr Diergeneeskd* 100 (24): 1304-1311. Ref. Eng. Sum. Dec 15, 1975

035215 41.8 T431
Symptoms of rabies in [domestic] animals. (Dut) Haagsma, J *Tijdschr Diergeneeskd* 100 (24): 1321-2-1324. Eng. Sum. Dec 15, 1975

035216 QD415.A1B58
Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from cells infected with pig herpes virus 1. Vass, J K; Stevely, W S *Trans Biochem Soc* 3 (6): 910. 1975

035217 448.9 R813
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum [Pekin ducklings]. Bourns, T K R; Ellis, J C *Trans R Soc Trop Med Hyg* 69 (4): 382-387. Ref. 1975

035218 410 V42
Aleutian disease [Minks, virus diseases]. (Swe) Kull, K E *Vara Palsd* 46 (5/6): 119-121. June 1, 1975

035219 20 V633
Role of staphylococci in reproductive disorders in cattle. (Ukr) Lohvynov, D D; Koshovyi, V P *Vestn S-kh Nauki (Mosc)* 8: 110-112. Aug 1975

035220 41.8 C87
Characters of the staphylococcal hemolysin beta produced by the causative agent of gangrenous mastitis in sheep. (Ita) Contini, A *Vet Ital* 26 (5/8): 225-245. Ref. May/Aug 1975

035221 41.8 C87
Contribution of the Veterinary Services of the Ministry of Health in the control of salmonellosis. (Ita) Bellani, L; Schiavo, A *Vet Ital* 26 (5/8): 246-273. Ref. May/Aug 1975

035222 41.8 C87
Studies on some biological characters of equine herpesviruses. (Ita) Flammini, C F; Allegri, G; Scatozza, F *Vet Ital* 26 (5/8): 203-224. Ref. May/Aug 1975

035223 41.9 C333
Amoebae of the Limax group in some species of farm and domestic animals. (Cze) Kadlec, V *Vet Med (Prague)* 20 (6): 321-326. Ref. Eng. Sum. June 1975

035224 41.9 C333
Demonstration of antibodies against rabies by the indirect immunofluorescence method. (Cze) Jiran, E; Zavora, M *Vet Med (Prague)* 20 (6): 363-371. Ref. Eng. Sum. June 1975

035225 41.9 C333
Examination and occurrence of rabies in the territory of Czechoslovakia in the years 1969-1973 [Foxes, dogs, cats]. (Cze) Matouch, O; Navesnik, S *Vet Med (Prague)* 20 (5): 303-305. Ref. Eng. Sum. May 1975

035226 41.9 C333
Nutrient media and the isolation of microflora in cases of swine dysentery. (Slo) Krizanova, H; Koppel, Z; Horvath, J; Halasa, M; Beseda, M; Vavrova, D *Vet Med (Prague)* 20 (7): 407-413. Eng. Sum. July 1975

035227 41.9 C333
Skiabaryum-Spofa in the prevention and treatment of diarrhea [Escherichia coli] of newly born calves. (Cze) Bartos, J; Habrda, J *Vet Med (Prague)* 20 (5): 261-268. Ref. Eng. Sum. May 1975

035228 41.9 C333
Testing the protective effect of cell-free lyophilized vaccine against Marek's disease in field trials [Chickens]. (Cze) Kozusnikova, A; Benda, V; Kalafa, S; Priban, K; Zezulak, J *Vet Med (Prague)* 20 (6): 355-362. Ref. Eng. Sum. June 1975

035229 41.9 C333
The effect of fenbendazole (Panacur) in sheep naturally infected by gastrointestinal and lung nematodes [Anthelmintics]. (Slo) Hovorka, J; Mitterpak, J; Corba, J; Spaldonova, R; Pacenovsky, J *Vet Med (Prague)* 20 (7): 391-397. Ref. Eng. Sum. July 1975

035230 41.9 C333
The effect of tylosin [antibiotic] in pigs. (Cze) Urbanova, Z; Zahradnikova, M; Schovanek, V; Polak, L; Rabas, P; Sechser, T; Svandova, E; Raskova, H; Et Al *Vet Med (Prague)* 20 (5): 251-260. Eng. Sum. May 1975

035231 41.8 V6426
Chemotherapy of swine dysentery. (Rus) Mikhal'chenkov, A S *Veterinariia (Mosk)* 9: 58-59. Sept 1975

035232 41.8 V6426
Complex immunization of swine against hog cholera, Aujeszky's disease and erysipelas. (Rus) Demidov, V A; Krainova, V I *Veterinariia (Mosk)* 9: 60-61. Sept 1975

035233 41.8 V6426
Curative and prophylactic measures taken in a poultry factory [Infectious diseases, Kuibyshev Region]. (Rus) Shelkaev, I P; Andriianov, N S *Veterinariia (Mosk)* 9: 27-30. Sept 1975

035234 41.8 V6426
Diagnostic effectiveness of passive hemagglutination reaction and antibody neutralization reaction in brucellosis. (Rus) Sadykov, S Zh *Veterinariia (Mosk)* 9: 110-112. Sept 1975

035235 41.8 V6426
Dimidin for piroplasmoses of livestock. (Rus) Timofeev, B A; Piskov, V B; Khval'kovskaia, A V; Dubovyi, S Z *Veterinariia (Mosk)* 9: 71-72. Sept 1975

035236 41.8 V6426
Dynamics of antibody formation in swine with leptospirosis. (Rus) Bolotskii, I A; Korshunova, L N; Shiliakin, V K; Davydenko, R F *Veterinariia (Mosk)* 9: 50-52. Sept 1975

035237 41.8 V6426
Dynamics of complement-linked antibodies in Nuttalia [equi]infestation and the freeing of the horses from the pathogen. (Rus) Petrovskii, V V *Veterinariia (Mosk)* 9: 68-70. Sept 1975

035238 41.8 V6426
Effect of dimidin on the organisms causing piroplasmosis and nuttalliosis in horses. (Rus) Baturina, F M; Lutsuk, S N *Veterinariia (Mosk)* 9: 70. Sept 1975

035239 41.8 V6426
Effect of tuberculinization on the blood proteins of camels and cows [Tuberculosis, treatment]. (Rus) Donchenko, A S; Donchenko, V N; Kenzheev, Sh *Veterinariia (Mosk)* 9: 52-53. Sept 1975

035240 41.8 V6426
Effectiveness of antibiotics for experimental septicemia of chicks caused by Escherichia coli. (Rus) Ezhov, V I *Veterinariia (Mosk)* 9: 63-66. Sept 1975

035241 41.8 V6426
Electrochemical properties of blood and lymph proteins of cows sick with lymphomatosis. (Rus) Karmoliev, R Kh; Itkin, B Z *Veterinariia (Mosk)* 9: 48-50. Sept 1975

035242 41.8 V6426
Epizootiology of vesicular stomatitis in swine. (Rus) Makarov, V V; Bakulov, I A; Kurchenko, F P; IUrkov, G G *Veterinariia (Mosk)* 9: 120-123. Sept 1975

035243 41.8 V6426
Etiology of gastrointestinal diseases of piglets. (Rus) Berdnik, V P *Veterinariia (Mosk)* 9: 61-63. Sept 1975

035244 41.8 V6426
Latent form of foot-and-mouth disease [Cattle]. (Rus) Salazhov, E L; Lebedev, A I; Gogolev, M M *Veterinariia (Mosk)* 9: 44-45. Sept 1975

035245 41.8 V6426
Mechanization of fecal diagnosis for verminosis [Livestock]. (Rus) Kotel'nikov, G A; Korchagin, A I; Khrenov, V M *Veterinariia (Mosk)* 9: 75-77. Sept 1975

035246 41.8 V6426
Method of calculating leukocytes in phase contract [Leukosis, cattle]. (Rus) Birbin, S S *Veterinariia (Mosk)* 9: 113-115. Sept 1975

035247 41.8 V6426
Methods of detecting Theileria mutans [in cattle]. (Rus) Nikol'skii, S N; Rudenko, A V; Tarala, N A; Churiumov, A S *Veterinariia (Mosk)* 9: 72-73. Sept 1975

035248 41.8 V6426
New lines of cells and the adaptation to them of the foot-and-mouth disease virus [Livestock]. (Rus) Khaertynov, S Kh; Romanovich, T N; Gumerov, N K; Kalmykov, V A *Veterinariia (Mosk)* 9: 45-47. Sept 1975

035249 41.8 V6426
Nonlethal rabies of dogs. (Rus) Safarov, R K; Dzhmukhadze, V A *Veterinariia (Mosk)* 9: 67. Sept 1975

035250 41.8 V6426
Persistence of foot-and-mouth disease virus in experimentally infected jackdaws. (Rus) Obidor, E L; Pankov, B G *Veterinariia (Mosk)* 9: 47-48. Sept 1975

035251 41.8 V6426
Production of highly active hyperimmune serums for control of foot-and-mouth disease virus. (Rus) Khor'kov, I A; Sobolev, V V; Skichko, N D *Veterinariia (Mosk)* 9: 109. Sept 1975

035252 41.8 V6426
Protection of the air basin of large livestock farms and poultry factories [Control of infectious diseases and of air pollution]. (Rus) Volkov, G K; Silenok, L F; Kazura, P P *Veterinariia (Mosk)* 9: 32-36. Sept 1975

035253 41.8 V6426
Swine dysentery [and its control]. (Rus) Pritulin, P I; Lobuntsova, D V *Veterinariia (Mosk)* 9: 54-58. Sept 1975

035254 41.8 V6426
Testing of sulfene and KP-5 for fascioliasis of ruminants [Cattle, sheep, liver fluke]. (Rus) Mereminskii, A I; Gluzman, I IA; Zakordonets, A A; Ovechkin, N A; Filonchuk, A G; Mazur, P L; Khlopitskii, P G; Shevchuk, F V; Raikher, Sh G; Et Al *Veterinariia (Mosk)* 9: 73-75. Sept 1975

035255 41.8 V6426
Use of immunofluorescence in the diagnosis of leptospirosis [Cattle]. (Rus) Kozlovskii, E V; Sushkova, N K *Veterinariia (Mosk)* 9: 112-113. Sept 1975

035256 41.8 V6426
Verminosis prevention in sheep in Kazakhstan. (Rus) Dikov, G I; Koishibaev, G K; Vibe, P P; Petrov, V S *Veterinariia (Mosk)* 9: 22-27. Sept 1975

035257 41.8 V6439
A contribution to the occurrence of fetal hepatopathies in cattle [Infectious diseases, Aspergillus fumigatus]. (Cze) Veselsky, M *Veterinarstvi* 25 (3): 121-123. 1975

035258 41.8 V6439
A contribution to histological picture of avian encephalomyelitis in central Slovakia. (Slo) Benko, L *Veterinarstvi* 25 (11): 514-516. 1975

035259 41.8 V6439
Aerosols in animal immunization [Poultry]. (Cze) Stumpf, J *Veterinarstvi* 25 (7): 323-325. 1975

035260 41.8 V6439
Atypical mycobacteria in cattle. (Cze) Sussland, Z *Veterinarstvi* 25 (8): 371-372. 1975

035261 41.8 V6439
Effect of rafoxanide (Flukanid) on sheep naturally infectedwith Fasciola hepatica. (Slo) Corba, J; Mitterpak, J *Veterinarstvi* 25 (3): 129-130. 1975

035262 41.8 V6439
Etiology and geographical distribution of bacterial agents of mastitis in dairy cows in Slovakia in 1973 and 1974. (Slo) Havelka, B; Halasa, M *Veterinarstvi* 25 (7): 295-297. 1975

035263 41.8 V6439
Incidence of inclusion hepatitis of broilers in four localities of the Western Bohemia Region [Chickens]. (Cze) Cada, F; Stary, Z; Krupicka, V *Veterinarstvi* 25 (11): 511-513. 1975

035264 41.8 V6439
Infectious mastitis in the Novy Jicin district. (Cze) Felki, J; Koselkova, M; Janatkova, T; Resl, Z; Petracek, J *Veterinarstvi* 25 (7): 298-299. 1975

035265 41.8 V6439
Methods of diagnosis of Marek's disease in Czechoslovakia [Chickens]. (Slo) Casnocha, E *Veterinarstvi* 25 (6): 252-255. 1975

035266 41.8 V6439
Occurrence and laboratory diagnosis of ecephalomyelitis of poultry. (Cze) Dvorakova, D; Vlcek, J; Bohm, R *Veterinarstvi* 25 (6): 249-252. 1975

035267 41.8 V6439
On causes influencing development of enzootic pneumonia in pigs. (Cze) Gois, M *Veterinarstvi* 25 (11): 508-510. 1975

035268 41.8 V6439
Practical use of the N-test in the suppression of mastitis in the Jicin District. (Cze) Felkl, J; Koselkova, M *Veterinarstvi* 25 (8): 369-370. 1975

035269 41.8 V6439
Problems of respiratory diseases in large calf stables. (Cze) Jaros, J *Veterinarstvi* 25 (7): 307-309. 1975

035270 41.8 V6439
Problems of tuberculosis in pheasants. (Slo) Popluhar, L; Pauer, T; Rakicky, P; Zupa, M *Veterinarstvi* 25 (7): 318-319. 1975

035271 41.8 V6439
Regimen of specific prophylaxis and diagnostic examinations in swine husbandry [Vaccination]. (Cze) Jurak, E *Veterinarstvi* 25 (5): 212-216. 1975

035272 41.8 V6439
Some comments on the eitiology of mycoses in cattle. (Cze) Dvorak, J; Otcenasek, M *Veterinarstvi* 25 (3): 127-128. 1975

035273 41.8 V6439
Use of electronic computers for determining cell numbers in milk tank samples [Mastitis control]. (Cze) Tesar, A; Evstatieova, E; Raska, K *Veterinarstvi* 25 (6): 244-247. 1975

035274 41.8 V6439
Use of Mebendazole in experimental helminth control of geese. (Cze) Cervenka, J; Zajicek, D; Nydl, J *Veterinarstvi* 25 (6): 263-264. 1975

035275 41.8 V6439
Verification of Tylan effectiveness in pigs under field conditions [Antibiotics]. (Cze) Schovanek, V *Veterinarstvi* 25 (11): 505-507. 1975

035276 20 V82
Aerosols of certain preparations in cases of enzootic pneumonia in swine. (Ukr) Hladenko, I M; Fortushnyi, V O; Vasyl'iev, S I; Shuliak, V D; Havshyn, O O *Visn Sil's'kohospod Nauki* 11: 89-91. Nov 1975

20 V82
Effect of certain micronutrients on [disease] resistance of the newborn calf. (Ukr) Lytvyn, V P; Stepaniuk, V D *Visn Sil's'kohospod Nauki* 11: 92-95. Nov 1975

035277 20 V82
Study of the resistance to trypsin of swine enteroviruses. (Ukr) Romanenko, V P; Pruss, O H *Visn Sil's'kohospod Nauki* 10: 89-90. Oct 1975

035278 448.8 P942
Comparative study of Aujeszky's disease virus reproduction in cell and tissue suspensions of avian embryos [quail]. (Rus) Osidze, D F; Fisenko, S A; Khor'kov, I A; Nochebnyi, V T; Sokova, V A *Vopr Virusol* 5: 581-586. Eng. Sum. Sept/Oct 1975

035279 448.8 P942
Cytological characteristics of bovine kidney cell culture chronically infected with foot-and-mouth disease virus. (Rus) Kudriavtseva, G A; Ol'shevskaia, T I; Driagalin, N N; Khesin, IA E *Vopr Virusol* 5: 602-607. Eng. Sum. Sept/Oct 1975

035280 448.8 P942
Detection of a specific antigen in white blood cells of cattle with leukemia by the direct fluorescent antibody procedure. (Rus) Ivanov, V L *Vopr Virusol* 5: 574-577. Ref. Eng. Sum. Sept/Oct 1975

035281 448.8 P942
Electron microscope examination of Tyuleniy virus-infected chick fibroblast cells. (Rus) Gushchin, B V; TSilinskii, IA IA; Aristova, V A; Gushchina, E A; Krotkov, G A; L'vov, D K; Klimenko, S M *Vopr Virusol* 5: 540-545. Eng. Sum. Sept/Oct 1975

035282 448.8 P942
Experimental study of a rabies vaccine from sheep brain tissue inactivated with ultraviolet rays. (Rus) Pospeeva, N A; Morogova, V M; Til'dina, S S; Nikolaeva, N V; Losev, M N *Vopr Virusol* 5: 578-581. Eng. Sum. Sept-/Oct 1975

035283 448.8 P942
Some physico-chemical properties of dysentery therapeutic—prophylactic Newcastle phages H-17 and H-18. (Rus) Viskova, R S; Nigmatullin, T G *Vopr Virusol* 5: 557-563. Ref. Eng. Sum. Sept/Oct 1975

035284 448.8 P942
Study of the antigenic relationship between various strains of the rabies virus group. (Rus) Shubladze, A K; Bychkova, E N *Vopr Virusol* 5: 571-574. Ref. Eng. Sum. Sept/Oct 1975

035285 1 AG84Y
Antibiotics curb [bacterial] diseases in livestock, boost growth. White-Stevens, R H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 85-98. 1975

035286 442.8 Z33F
Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep. (Ger) Mehlhorn, H; Heydorn, A O; Gestrich, R *Z Parasitenkd* 48 (2): 83-93. Ref. Eng. Sum. 1975

035287 442.8 Z33F
Proposal for a new nomenclature of the Sarcosporidia [Animal parasites]. Heydorn, A O; Gestrich, R; Mehlhorn, H; Rommel, M *Z Parasitenkd* 48 (2): 73-82. Ref. 1975

035288 410 Z36
Acid phosphatase in the spleen of bacteria free and conventional rats. (Ger) Horn, J; Juhr, N C *Z Versuchstierkd* 17 (5/6): 247-255. Ref. Eng. Sum. 1975

035289 410 Z36
Coprophagy-dependent changes of the anaerobic bacterial flora in stomach and small intestine of the rabbit. Jilge, B; Meyer, H *Z Versuchstierkd* 17 (5/6): 308-314. Ref. 1975

035290 448.3 C33 (1)
Chemotactic effects of some staphylococcal substances [Cattle, rabbits]. (Ger) Kleickmann, A; Bruckler, J; Blobel, H; Kitzrow, D *Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol* 233 (2): 153-162. Ref. Eng. Sum. 1975

035291 448.3 C33 (1)
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. (Ger) Brade, H; Klein, M; Schmidt, W A K *Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol* 233 (2): 139-146. Eng. Sum. 1975

035292 448.3 C33 (1)
Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. (Ger) Gestrich, R; Mehlhorn, H; Heydorn, A O *Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol* 233 (2): 261-276. Ref. Eng. Sum. 1975

NON-INFECTIOUS DISEASES

41.8 AD9
Functional and fine structural relationships of parathyroid glands [Nutritional diseases, cows, dogs, rabbits]. Capen, C C *Adv Vet Sci Comp Med* 19: 249-286. Ref. 1975

035293 41.8 AD9
Mannosidosis of Angus cattle: a prototype control program for some genetic diseases. Jolly, R D *Adv Vet Sci Comp Med* 19: 1-21. Ref. 1975

035294 41.8 AD9
Neonatal isoerythrolysis in domestic animals: a comparative review [Horses, cattle, swine]. Stormont, C *Adv Vet Sci Comp Med* 19: 23-45. Ref. 1975

035295 41.8 AD9
Vitamin E and selenium deficiencies (VESD) of domestic animals. Lannek, N; Lindberg, P *Adv Vet Sci Comp Med* 19: 127-164. Ref. 1975

035296 S19.A32
Paralysis in amimals. Supekar, P G *Agric Agroind J* 8 (2/8): 17-18. Aug 1975

035297 385 AG8B
Influence of the dietary protein deficiency on the protein synthetic activity of microsome and soluble fraction from muscle and liver of rats. Goto, A; Kametaka, M; Kandatsu, M *Agric Biol Chem* 39 (12): 2411-2413. Dec 1975

035298 41.9 P67
Contribution concerning the study of intestinal tumors in dogs. (Ita) Cela, M; Ceccarelli, V *Ann Fac Med Vet Pisa* 27: 141-155. Ref. Eng. Sum. 1974 (Pub. 1975)

035299 41.9 P67
Laryngeal tumor in a dog. Epithelial neopalsia with sarcomatous aspect. (Ita) Cela, M; Grassi, F *Ann Fac Med Vet Pisa* 27: 129-139. Ref. Eng. Sum. 1974 (Pub. 1975)

035300 41.9 P67
On the delay of intraventricular conduction in the race horse—discussion of its pathogenesis and causes. (Ita) Romagnoli, A; Salutini, E *Ann Fac Med Vet Pisa* 27: 49-57. Eng. Sum. 1974 (Pub. 1975)

035301 41.9 P67
Research study of the pancreolithiasis in cattle. (Ita) Braca, G; Tesi, P; Arispici, M *Ann Fac Med Vet Pisa* 27: 59-78. Ref. Eng. Sum. 1974 (Pub. 1975)

035302 41.8 AN78
Lethal trait A46 (hereditary zinc deficiency) in Dutch Friesian cattle, a deficiency of cellular immunity? (Fre) Ansay, M *Ann Med Vet* 119 (7): 479-481. Nov 1975

035303 41.8 AU1
Repair of gastric tympany and rupture associated with a diaphragmatic hernia using both an intercostal and paracostal approach. Kennedy, R K *Auburn Vet* 32 (1): 21. Fall 1975

035304 41.9 AZ1
Patho-physiological studies on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN [polymorphonuclear]-leukocytes [Rabbits]. Takeuchi, Y *Bull Azabu Vet Coll* 29: 171-192. Ref. Jan 1975

035305 22.5 M6932B
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering defective calves. (Jpn) Otsuka, H; Hataya, M; Hamana, K; Ishiguro, Y; Taguma, S; Kimoto, T *Bull Fac Agric Univ Miyazaki* 22 (1): 107-114. Eng. Sum. Oct 1975

035306 22.5 M6932B
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. (Jpn) Hamana, K; Otsuka, H; Nosaka, D *Bull Fac Agric Univ Miyazaki* 22 (1): 115-129. Map. Ref. Eng. Sum. Oct 1975

035307 107.6 Y14
Rumenitis caused by foreign bodies of polypropylen cord in cows. (Jpn) Abu, M; Fukuda, Y; Hara, Y; Fujii, T; Sato, A; Ito, T *Bull Fac Agric Yamaguti Univ* 26: 183-193. Eng. Sum. 1975

035308 QP88.C3
Uptake of 99m Tc-Sn-EHDP [technetium-99m-tin-diphosphonate] in Beagles with advanced periodontal disease [Dogs]. Kaplan, M L; Garcia, D A; Goldhaber, P; Davis, M A; Adelstein, S J *Calcif Tissue Res* 19 (2): 91-98. Ref. 1975

035309 41.8 C81
A malignant neoplasm resembling a circumanal gland adenocarcinoma in a dog. Alexander, J W; Appel, G O; DeLahunta, A; Dueland, R *Cornell Vet* 66 (1): 97-104. Ref. Jan 1976

035310 41.8 C81
A rheumatoid-like arthritis in calves. Wright-George, J; Corbeil, L B; Duncan, J R; Fabricant, J *Cornell Vet* 66 (1): 110-117. Ref. Jan 1976

035311 41.8 C81
Mammary neoplasia in the guinea pig (Cavia porcellus). Andrews, E J *Cornell Vet* 66 (1): 82-96. Ref. Jan 1976

035312 41.8 C81
Transitional cell carcinoma of the urethra in a cat. Barrett, R E; Nobel, T A *Cornell Vet* 66 (1): 14-26. Ref. Jan 1976

035313 44.8 D1443
Bloat survey in the northern irrigation areas [Dairy cattle]. Flynn, K *Dairyfarm Dig* 22 (3): 9-12. Winter 1975

035314 SF985.F4
Myeloproliferative disorders in the cat. 3. Progression from erythroleukemia into granulocytic leukemia. Schalm, O W *Feline Pract* 5 (6): 31-33. Nov/Dec 1975

035315 QH431.A1G4
Some problems of leucosis genetics in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. (Rus) Petukhov, V L *Genetika* 11 (12): 30-36. Ref. Eng. Sum. 1975

035316 26 H27
Chicken without feathers? (Heb) *Hassadeh* 56 (2): 251. Nov 1975

035317 SF985.C3 1975
Allergy [Cats]. Walton, G S *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 145-152. Ref. 1975

SF985.C3 1975
Nutrition and disease [Cats]. Scott, P P *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 131-144. Ref. 1975

035318 SF985.C3 1975
The cardiovascular system [Cats, diseases]. Harris, S G; Ogburn, P N *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 195-224. Ref. 1975

035319 SF985.C3 1975
The endocrine system [Cats, diseases]. Martin, S L; Capen, C C *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 435-460. Ref. 1975

035320 SF985.C3 1975
The musculoskeletal system [Cats, diseases]. Herron, M R *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 355-361. Ref. 1975

035321 442.8 IN2
Urinary phenolic acids of normal dogs & their retention in acute experimental uraemia. Nagpaul, R K; Mehta, H C; Saini, A S *Indian J Exp Biol* 13 (2): 193-194. Ref. Mar 1975

035322 448.8 IN22
Long term effect of onion on experimentally-induced hypercholesteremia and consequently decreased fibrinolytic activity in rabbits. Sharma, K K; Chowdhury, N K; Sharma, A L *Indian J Med Res* 63 (11): 1629-1634. Ref. Nov 1975

035323 SF481.I55
Biochemical roles of selenium and vitamin E in prevention of exudative diathesis in chicks. Scott, M L *Indian Poult Rev* 7 (1): 89-90. Aug 15, 1975

035324 SF481.I55
Studies on experimental vitamin A deficiency in chicks—pathology. Gupta, P D; Kuppuswamy, P B *Indian Poult Rev* 6 (24): 858-560. Ref. Aug 1, 1975

035325 41.8 IN2
A clinical study of promethazine hydrochloride as an orexigen in bovines [Anorexia]. Sastry, K N V; Narayana, K *Indian Vet J* 52 (12): 951-954. Dec 1975

035326 41.8 IN2
Acute dilatation and torsion of stomach in an Alsatian dog-a case report. Umamaheswaran, V; Balasubramanian, N N *Indian Vet J* 52 (12): 946-947. Dec 1975

035327 41.8 IN2
Foetal dystocia in a buffalo. Sastry, A P; Ramachandra Rao, L; Christopher, K J *Indian Vet J* 52 (9): 728-729. Sept 1975

035328 41.8 IN2
Ovarian teratoma in a fowl. Rao, A G; Rao, A T; Nayak, B C *Indian Vet J* 52 (12): 955. Dec 1975

035329 41.8 IN2
Pathological studies on nephrolithiasis in buffaloes (Bubalus bubalis). Sinha, B K; Iyer, P K R *Indian Vet J* 52 (9): 682-685. Sept 1975

035330 41.8 IN2
Sertoli cell tumour in a bull. Nigam, S K *Indian Vet J* 52 (9): 686. Sept 1975

035331 41.8 IN2
Treatment for retained placenta with a combination of Uniberbyl and Terramycin [Dairy cattle]. Sinha, A K *Indian Vet J* 52 (12): 948-950. Dec 1975

035332 41.8 IO9
Equine laminitis. Kurt, J; Jackson, L L *Iowa Vet* 37 (2): 50, 52-54. Ref. 1975

035333 SF601.A5
A medical approach to adrenal gland problems: a report of three cases. O'Rourke, M D *J Am Anim Hosp Assoc* 11 (6): 762-764. Nov/Dec 1975

035334 SF601.A5
Effect of tetracycline on tear production in the dog. Thun, R; Abraham, R S; Helper, L C *J Am Anim Hosp Assoc* 11 (6): 802-804. Ref. Nov/Dec 1975

035335 SF601.A5
Hiatal hernia in the dog: a case report and review of the literature. Alexander, J W; Hoffer, R E; MacDonald, J M; Bolton, G R; O'Neil, J W *J Am Anim Hosp Assoc* 11 (6): 793-797. Ref. Nov/Dec 1975

035336 SF601.A5
Neurogenic pulmonary edema in the dog. Lord, P F *J Am Anim Hosp Assoc* 11 (6): 778-783. Ref. Nov/Dec 1975

035337 SF601.A5
Spontaneous primary hypoparathyroidism in a dog. Burk, R L; Schaubhut, C W Jr *J Am Anim Hosp Assoc* 11 (6): 784-785. Nov/Dec 1975

035338 SF601.A5
Thyroid function in feline endocrine alopecia. Scott, D W *J Am Anim Hosp Assoc* 11 (6): 798-801. Ref. Nov/Dec 1975

035339 SF601.A5
Vulvo-vaginal cleft in a dog. Burke, T J; Smith, C W *J Am Anim Hosp Assoc* 11 (6): 774-777. Nov/Dec 1975

035340 41.8 AM3
Aortic regurgitation in the dog. Eyster, G E; Anderson, L K; Cords, G B *J Am Vet Med Assoc* 168 (2): 138-141. Jan 15, 1976

035341 41.8 AM3
Bilateral optic nerve hypoplasia in a pup [Dogs]. Ernest, J T *J Am Vet Med Assoc* 168 (2): 125-128. Ref. Jan 15, 1976

035342 41.8 AM3
Corneal epithelial inclusion cyst associated with keratectomy in a dog. Schmidt, G M; Prasse, K W *J Am Vet Med Assoc* 168 (2): 144. Jan 15, 1976

035343 41.8 AM3
Natural remission of nephrotic syndrome in a dog with immune-complex glomerular disease. Osborne, C A; Hammer, R F; Resnick, J S; Stevens, J B; Yano, B L; Vernier, R L *J Am Vet Med Assoc* 168 (2): 129-137. Ref. Jan 15, 1976

035344 41.8 AM3
Osteochondromatosis of the cervical vertebrae in a dog. Alden, C L; Dickerson, T V *J Am Vet Med Assoc* 168 (2): 142-144. Jan 15, 1976

035345 442.8 AM3
Chondrodystrophy: an inherited lethal condition in turkey embryos. Gaffney, L J *J Hered* 66 (6): 339-343. Ref. Nov/Dec 1975

035346 442.8 AM3
Degenerative myopathy of the deep pectoral muscle in the turkey. Harper, J A; Bernier, P E; Helfer, D H; Schmitz, J A *J Hered* 66 (6): 362-366. Ref. Nov/Dec 1975

035347 442.8 AM3
Hereditary multiple exostosis. A comparative genetic evaluation in man and horses. Gardner, E J; Shupe, J L; Leone, N C; Olson, A E *J Hered* 66 (6): 318-322. Ref. Nov/Dec 1975

035348 41.8 SO8
Factors affecting serum creatine phosphokinase activity in pigs [Genetic marker for malignant hyperthermia syndrome]. Mitchell, G; Heffron, J J A *J S Afr Vet Assoc* 46 (2): 145-148. June 1975

035349 41.8 J8292
Canine chemodectoma (extra-adrenal paragangliomas)—a comparative study [Dogs]. Patnaik, A ak; Liu, S K; Hurvitz, A I; McClelland, A J *J Small Anim Pract* 16 (12): 785-801. Ref. Dec 1975

035350 41.8 J8292
Osteochondromatosis in the racing greyhound [dogs]. Power, J W *J Small Anim Pract* 16 (12): 803-807. Dec 1975

035351 49 N62
Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on urine and serum mineral levels in wethers [Sheep]. Yano, H; Sakarai, S; Kawashima, R *Jap J Zootech Sci* 46 (11): 642-648. Ref. Nov 1975

035352 49 N62
In vitro study on the mechanism of ammonium chloride on the prevention of urolithiasis in fattening cattle. Yano, H; Kawashima, R *Jap J Zootech Sci* 46 (11): 649-655. Ref. Nov 1975

035353 41.8 K67
Cystic hyperplasia-pyometra complex: focal neoplastic endometrial hyperplasia in older bitches. (Ger) Heimann, W; Fiedler, H H *Kleintier Prax* 20 (8): 263-267. Ref. Eng. Sum. Nov 1975

035354 41.8 K67
Dysenteries induced by nutrition in dogs. (Ger) Schutt, I *Kleintier Prax* 20 (7): 214, 216-217. Eng. Sum. Oct 1975

035355 41.8 K67
Etiology, clinical findings, and treatment of solar dermatitis in the dog. (Ger) Schuberth, G; Schuberth, B *Kleintier Prax* 20 (8): 254-258. Eng. Sum. Nov 1975

035356 41.8 K67
Functional disorders of the kidney dependent upon extrarenal factors. (Ger) Freudiger, U *Kleintier Prax* 20 (8): 245-258, 250-254. Eng. Sum. Nov 1975

035357 41.8 K67
Osteogenesis imperfecta in the cat. (Ger) Gehring, H *Kleintier Prax* 20 (7): 225-231. Eng. Sum. Oct 1975

035358 41.8 K67
The treatment of cubital distraction in the Basset hound [Dogs]. (Ger) Henschel, E; Grull, F *Kleintier Prax* 20 (8): 267-271. Ref. Eng. Sum. Nov 1975

035359 41.8 K67
Treatment of digestive disturbances in the guinea pig. (Ger) Breter, M *Kleintier Prax* 20 (7): 221-222, 224-225. Eng. Sum. Oct 1975

035360 41.8 K67
Uterus masculinus in a male dog. (Ger) Pinegger, H *Kleintier Prax* 20 (7): 231-233. Eng. Sum. Oct 1975

035361 107.6 K114
An autopsy case of swine with affection similar to Banti's disease. Kono, I; Yasuda, N *Mem Fac Agric Kagoshima Univ* 11 (20): 77-80. Mar 1975

035362 41.8 M742
Feedborne occurrence of beak deformation in Leghorn chicks. (Ger) Knape, G; Schulze, W D; Schmidt, A; Grube, R *Monatsh Veterinarmed* 30 (16): 618-620. Eng. Sum. Aug 15, 1975

035363 41.8 M742
Occurrence of arthritis in sucking piglets in an industrialised pig breeding unit. (Ger) Horugel, K *Monatsh Veterinarmed* 30 (18): 688-691. Ref. Eng. Sum. Sept 15, 1975

035364 41.8 M742
Torsion of uterus in cattle. (Ger) Schulz, J; Beuche, W; Elze, K *Monatsh Veterinarmed* 30 (17): 659-665. Ref. Eng. Sum. Sept 1, 1975

035365 41.8 N483
The effects of copper supplementation on stock health and production. 3. The effect of parenteral copper on the milk yield characteristics of a dairy herd with hypocuprosis. Goold, G J; Smith, B *N Z Vet J* 23 (10): 233-236. Oct 1975

035366 448.8 AR2
CAMP [cyclic adenosine-3',5', monophosphate] as a second messenger in central blood pressure control [Cats]. Walland, A *Nauyn Schmiedebergs Arch Pharmacol* 290 (4): 419-423. Ref. 1975

035367 41.8 N813
Pituitary dwarfism in German Shepherd dogs: studies on somatomedin activity [Hormonal deficiency diseases]. Willeberg, P; Kastrup, K W; Andresen, E *Nord Veterinaermed* 27 (9): 448-454. Ref. Sept 1975

035368 RC620.A1N8
Experimental atherosclerosis in rabbits fed cholesterol-free diets. 6. Skim milk powder. Kritchevsky, D; Tepper, S A; Story, J A *Nutr Rep Int* 13 (2): 207-211. Ref. Feb 1976

035369 RC620.A1N8
Selenium and white muscle disease in lambs: effects of vitamin E and ethoxyquin. Whanger, P D; Weswig, P H; Oldfield, J E; Cheeke, P R; Schmitz, J A *Nutr Rep Int* 13 (2): 159-171. Ref. Feb 1976

035370 RC620.A1N8
The effect of 5-formyltetrahydrofolic acid on pyrimethamineinduced congenital abnormalities in the rat. Morse, L M; Pinckaers, M; Houg, J G *Nutr Rep Int* 13 (1): 93-99. Ref. Jan 1976

035371 49 P943
Results obtained in the treatment of udder ulcers [Cows, goats, sows, ewes]. (Rum) Heres, S *Rev Cresterea Anim* 25 (7): 84. July 1975

035372 49 T443
Results regarding leg and claw health in swine [Abnormalities]. (Ger) Prange, H; Lemke, E; Blaha, T *Tierzucht* 29 (10): 467-470. Oct 1975

035373 41.9 C333
Glycogen demonstration in the leucocytes of healthy and leucotic cattle [Leukemia]. (Cze) Sodomkova, D; Rademacher, R; Vanasek, J *Vet Med (Prague)* 20 (6): 315-320. Ref. Eng. Sum. June 1975

035374 41.9 C333
The effect of experimental lard diet on the occurrence of the signs of vitamin E deficiency in pigs. (Cze) Toulova, M; Najman, L; Urbanova, J; Dvorak, M; Cerna, J *Vet Med (Prague)* 20 (7): 415-426. Ref. Eng. Sum. July 1975

035375 41.8 V6426
Gastric ulcer of swine in large scale [raising and fattening] farms. (Rus) Naletov, N A; Kosenok, P M *Veterinariia (Mosk)* 9: 97-99. Sept 1975

035376 41.8 V6426
Hereditary fetal deformities and defective calvings of cows. (Rus) Zhigachev, A I; El'chaninov, V V; Gol'dman, I L *Veterinariia (Mosk)* 9: 85-86. Sept 1975

035377 41.8 V6439
Clinical-laboratory evaluation of Trimerazin Polfa effectiveness in calves with respiratory syndrome. (Slo) Sokol, J; Berecky, I; Rajtar, V; Michna, A *Veterinarstvi* 25 (11): 500-501. 1975

035378 41.8 V6439
Congenital tremor of baby pigs—a current problem of large-scale swine husbandry. (Cze) Pivnik, L; Kaman, J *Veterinarstvi* 25 (7): 310-312. 1975

035379 41.8 V6439
Diagnosis of hypoglycemia in baby pigs with the aid of Dextrostix. (Cze) Jagos, P; Illek, J; Cernohous, J; Hoskova, M *Veterinarstvi* 25 (4): 173-174. 1975

035380 41.8 V6439
Losses of caged laying hens from obesity. (Cze) Minarik, P; Mauder, P *Veterinarstvi* 25 (6): 261-262. 1975

035381 41.8 V6439
Morphological and physiological bases of some locomotor disturbances of swine raised on a large-scale. (Cze) Kaman, J; Pivnik, L *Veterinarstvi* 25 (5): 197-199. 1975

035382 41.8 V6439
Occurrence of latent metabolic disturbances in clinically healthy dairy cows. (Slo) Brestansky, I; Fabian, A; Klauzer, L; Balascak, J; Kvasnak, M; Sabol, M *Veterinarstvi* 25 (3): 110-112. 1975

035383 41.8 V6439
On the prevention of nutritional dystrophy in heifers in the Presov District. (Slo) Balascak, J; Brestansky, I; Sabol, M; Fabian, A *Veterinarstvi* 25 (11): 498-499. 1975

035384 41.8 V6439
Osteochondritis dissecans of the epiphysis of the dog shoulder. (Slo) Kottman, J; Nechvatal, M *Veterinarstvi* 25 (11): 519-520. 1975

035385 41.8 V6439
Our examination of edema disease of chickens. (Slo) Jantosovic, J; Fried, K J; Augustinsky, V; Konrad, V; Duris, V; Saly, O; Knezik, J *Veterinarstvi* 25 (6): 256-257. Ref. 1975

035386 41.8 V6439
Significance of genetic factors in the study of etiological factors of nutritional muscular dystrophy. (Slo) Vojenciak, J; Gabris, J *Veterinarstvi* 25 (4): 179-180. 1975

035387 41.8 V6439
Stress syndrome in swine. (Cze) Pivnik, L; Kaman, J *Veterinarstvi* 25 (4): 160-162. 1975

035388 41.8 V6439
Use of uterine capsule in treatment of the cow [after parturition]. (Cze) Reichel, F *Veterinarstvi* 25 (3): 124-126. 1975

MISCELLANEOUS DISEASES

035389 QH345.A1P73
Mechanism of the development of strontium rachitis [in chickens]. Bauman, V K; Yansone, L A *Appl Biochem Microbiol* 10 (3): 285-290. Ref. May/June 1974 Transl 1975

035390 448.3 AP5
Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. Chou, C C; Marth, E H *Appl Microbiol* 30 (6): 946-950. Ref. Dec 1975

035391 RA1190.A7
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in vitro and in vivo [in mice]. Uehleke, H; Werner, T *Arch Toxikol* 34 (4): 289-308. Ref. 1975

035392 RA1190.A7
Comparison of the biological effects in rat of high doses of two 4-amino-7-chloroquinoline derivatives chloroquine and glafenine. Dechezlepretre, S; Lechat, P *Arch Toxikol* 34 (4): 309-314. 1975

035393 RA1190.A7
Ferrihemoglobin and kidney lesions in rats produced by 4-aminophenol or 4-dimethylaminophenol. Kiese, M; Szinicz, L; Thiel, N; Weger, N *Arch Toxikol* 29th: 337-340. 1975

RA1190.A7
Metabolism of 3-amino-1,2,4-triazole [herbicides] in rats. (Ger) Grunow, W; Altmann, H J; Bohme, C *Arch Toxikol* 34 (4): 315-324. Ref. Eng. Sum. 1975

436.9 C43
In vitro activity of the venom and other components of Loxosceles laeta on human and animal erythrocytes. (Spa) Knierim, F; Letonja, T; Schenone, H *Bol Chil Parasitol* 30 (1/2): 43-46. Ref. Eng. Sum. Jan/June 1975

436.9 C43
Some data on the venomous apparatus of Loxosceles laeta andtoxicity of its venom on diverse animal species. (Spa) Schenone, H; Letonja, T; Knierim, F *Bol Chil Parasitol* 30 (1/2): 37-42. Ref. Eng. Sum. Jan/June 1975

035394 QP901.B6
Toxicity of antibiotics in animals under suboptimal conditions. III. Toxicity of animals affected by experimental thyrotoxicosis [Rats]. (Ita) Mascitelli-Coriandoli, E; Cavalieri, E; Clini, V; Zannini, E *Boll Chim Farm* 114 (10): 582-589. Ref. Eng. Sum. Oct 1975

035395 389.8 B773
The efficacy of protein supplementation in overcoming urea toxicity in sheep. Payne, E; Laws, L *Br J Nutr* 35 (1): 47-54. Ref. Jan 1976

035396 41.8 C162
Fusariotoxicosis [Fusarium] from barley in British Colombia. I. Natural occurrence and diagnosis [Feeding of mouldy grain to livestock]. Greenway, J A; Puls, R *Can J Comp Med* 40 (1): 12-15. Ref. Jan 1976

035397 41.8 C162
Fusariotoxicosis [Fusarium] from barley in British Columbia. II. Analysis and toxicity of suspected barley. Puls, R; Greenway, J A *Can J Comp Med* 40 (1): 16-19. Ref. Jan 1976

035398 41.8 C162
Induction of bovine polioencephalomalacia with a feeding system based on molasses and urea. Mella, C M; Perez-Oliva, O; Loew, F M *Can J Comp Med* 40 (1): 104-110. Ref. Jan 1976

035399 41.8 C162
Mercury and mink. I. The use of mercury contaminated fish as a food for ranch mink [Toxicity]. Wobeser, G; Nielsen, N O; Schiefer, B *Can J Comp Med* 40 (1): 30-33. Jan 1976

035400 41.8 C162
Mercury and mink. II. Experimental methyl mercury intoxication. Wobeser, G; Nielsen, N O; Schiefer, B *Can J Comp Med* 40 (1): 34-45. Ref. Jan 1976

035401 41.8 C162
Mycotoxin determinations on animal feedstuffs and tissues in Western Canada. Prior, M G *Can J Comp Med* 40 (1): 75-79. Ref. Jan 1976

035402 41.8 C61
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. (Ita) Albano Annicchino, G; Di Modugno, G; Intrieri, F; Barbieri, V *Clin Vet* 98 (10): 431-439. Ref. Eng. Sum. Oct 1975

035403 41.8 C81
The pathology of subacute methylmercurialism in swine [Toxicosis]. Davies, T S; Nielsen, S W; Kircher, C H *Cornell Vet* 66 (1): 32-35. Ref. Jan 1976

035404 S13.B82
Effect of experimental Neguvon intoxication on iron, copperand 14 C [carbon isotope] glycine content in the blood of poultry. (Fre) Lazarov, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 127-131. Ref. 1975

035405 S13.B82
Physiopathological effect of Neguvon intoxication of poultry. (Fre) Lazarov, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 101-104. Ref. 1975

RA565.E58
Molybdenum—a toxicological appraisal [Man and animals]. Friberg, L; Boston, P; Nordberg, G; Piscator, M; Robert, K H *Environ Health Eff Res Ser EPA* 600/1-75-004, 141 P. Ref. Nov 1975

035406 TD172.E55
Active sites of biological macromolecules and their interaction with heavy metals. Eichhorn, G L *Environ Sci Res* 7: 123-142. Ref. 1975

035407 TD172.E55
Metallothionein and the toxicity of cadmium. Webb, M *Environ Sci Res* 7: 177-186. Ref. 1975

035408 TD172.E55
The influence of polychlorinated biphenyl compounds on hepatic function in the rat. Ecobichon, D J *Environ Sci Res* 7: 207-214. Ref. 1975

035409 QD415.F4
Alkylation of coenzymes and the acute effects of alkylating hepatotoxins [Animals]. Schoental, R *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 111-114. Ref. Jan 15, 1976

035410 QC795.H4
Bone and bone marrow spaces in dosimetry of beagle skeletons [Dogs, radiation toxicity]. Momeni, M H; Pool, R R *Health Phys* 29 (6): 877-881. Ref. Dec 1975

035411 QC795.H4
DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [americum isotopes] from a simulated wound site [Dogs]. Lloyd, R D; Taylor, G N; Mays, C W; McFarland, S S; Atherton, D R *Health Phys* 29 (5): 808-811. Nov 1975

035412 QC795.H4
Thyroidal radioiodine exposure of the fetus [Animals]. Book, S A; Goldman, M *Health Phys* 29 (6): 874-877. Ref. Dec 1975

035413 QC795.H4
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. Cuddihy, R G; Boecker, B B; McClellan, R O; Kanapilly, G M *Health Phys* 30 (1): 53-59. Jan 1976

035414 SF985.C3 1975
Diseases caused by chemical and physical agents [Cats]. Aronson, A L *In Feline Medicine & Surgery. E. J. Catcott, ed.* P. 113-130. Ref. 1975

035415 QP141.A1W4 1974
Mycotoxin induced developmental abnormalities [Rats]. Hayes, A W; Hood, R D *In Proceedings Western Hemisphere Nutrition Congress* 4th: 397-402. Ref. 1974 (Pub. 1975)

035416 QP141.A1W4 1974
Rubratoxin B [as contaminants of animal feeds, dogs, toxicity]. Hayes, A W *In Proceedings Western Hemisphere Nutrition Congress* 4th: 403-407. Ref. 1974 (Pub. 1975)

035417 44.8 IN28
Selenium levels in fodders and its relationship with Degnala disease [Cattle, buffaloes, toxicity]. Arora, S P; Kaur, P; Khirwar, S S; Chopra, R C; Ludri, R S *Indian J Dairy Sci* 28 (4): 249-253. Ref. Dec 1975

035418 41.8 IN2
Osteogenesis with homogenous bone meal in fracture repair in a Hariana bull calf—a case report. Angelo, S J; Bhatia, Y S; Misra, S S; Lavania, J P; Malik, G S *Indian Vet J* 52 (9): 720-721. Sept 1975

381 J8223
Carbamate poisoning: Effect of certain carbamate pesticideson esterase levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). Bunyan, P J; Jennings, D M *J Agric Food Chem* 24 (1): 136-143. Ref. Jan/Feb 1976

035419 381 J8223
Toxicity to white mice of corn naturally contaminated with aflatoxin. Lindenfelser, L A; Lillehoj, E B; Sansing, G A *J Agric Food Chem* 24 (1): 198-200. Ref. Jan/Feb 1976

035420 SF601.A5
Four cases of traumatic intestinal injuries in dogs. Dorn, A S; Hufford, T J; Anderson, N V *J Am Anim Hosp Assoc* 11 (6): 786-792. Ref. Nov/Dec 1975

035421 SF601.A5
Toxic effects of o,p'-DDD in the normal dog. Kirk, G R; Jensen, H E *J Am Anim Hosp Assoc* 11 (6): 765-768. Ref. Nov/Dec 1975

035422 41.8 AM3
Treatment of fractures of the tibial tuberosity in the dog. Withrow, S; DeAngelis, M; Arnoczky, S; Rosen, H *J Am Vet Med Assoc* 168 (2): 122-124. Jan 15, 1976

035423 41.9 J275
Hematological studies on grazing cattle with petechia on the visible nucous membrane [Bracken poisoning]. (Jpn) Yamane, O; Hayashi, T; Sako, S; Minami, S; Kihara, T; Koyama, M; Takeda, K; Tatematsu, S; Itagaki, K *J Jap Vet Med Assoc* 28 (10): 516-521. Ref. Eng. Sum. Oct 1975

035424 41.8 SO8
Chronic fluoride poisoning in sheep. Zumpt, I *J S Afr Vet Assoc* 46 (2): 161-163. June 1975

035425 QR1.M56
Lipid and vitamin metabolism during mycotoxicoses [Aflatoxicosis, poultry]. Hamilton, P B *Microbiology (Wash, D C)* P. 381-387. Ref. 1975

035426 41.8 M742
Compatibility of nitrate in swine [Intoxication]. (Ger) Mehnert, E; Trommer, F *Monatsh Veterinarmed* 30 (20): 763-766. Ref. Eng. Sum. Oct 15, 1975

035427 41.8 M742
Loss of ducklings following intake of maple [Acer] seedlings [Intoxication]. (Ger) Ludwig, E; Ludwig, G *Monatsh Veterinarmed* 30 (20): 766-768. Eng. Sum. Oct 15, 1975

035428 41.8 M742
Occurrence of copper poisoning in sheep following dry feeding. (Ger) Brenner, K V *Monatsh Veterinarmed* 30 (18): 691-695. Ref. Eng. Sum. Sept 15, 1975

035429 41.8 N813
Parathion poisoning in cattle. (Dan) Rude, H; Christensen, J; Karlog, O *Nord Veterinaermed* 27 (7/8): 373-377. Ref. Eng. Sum. July/Aug 1975

035430 41.8 N813
Poisoning in cattle caused by a batch of sugarbeet pulp. (Dan) Nielsen, K; Krogh, P; Moller, T *Nord Veterinaermed* 27 (9): 401-410. Eng. Sum. Sept 1975

035431 RC620.A1N8
The effect of endotoxin upon retention and intracellular liver distribution in rats. Kincaid, R L; Miller, W J; Gentry, R P; Neathery, M W; Hampton, D L; Lassiter, J W *Nutr Rep Int* 13 (1): 65-70. Jan 1976

RC620.A1N8
The protective effect of vitamin E and selenium against methyl mercury toxicity in the Japanese quail. Welsh, S O; Soares, J H Jr *Nutr Rep Int* 13 (1): 43-51. Ref. Jan 1976

035432 QL801.O4
Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, rats, and rabbits. Ariyuki, F *Okajimas Folia Anat Jap* 52 (2/3): 103-117. Ref. Aug 1975

035433 442.9 SO1
Effect of calcitonin on DNA synthesis in experimental wounds [Rabbits]. Lupulescu, A *Proc Soc Exp Biol Med* 150 (3): 703-706. Dec 1975

035434 334.8 R11
Response of femoral and vertebral colony-forming units to 226Ra [radium isotope] internal contamination in mice [Toxicity]. Svoboda, V; Kofranek, V *Radiat Res* 64 (3): 467-474. Ref. Dec 1975

035435 442.8 R11
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. (Rus) Kalandarova, M P *Radiobiologiia* 15 (6): 905-908. Eng. Sum. Nov/Dec 1975

442.8 R11
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and chickens and oviparity of hens [Radiation, injuries]. (Rus) Kuzin, A M; Khakimov, P A; Shaikhov, R T; Khamidov, D Kh *Radiobiologiia* 15 (6): 866-870. Eng. Sum. Nov/Dec 1975

035436 442.8 R11
Copper and iron content of tissues of X-irradiated rabbits [Radiation, injuries]. (Rus) Gotsuliak, L E *Radiobiologiia* 15 (5): 732-737. Ref. Eng. Sum. Sept/Oct 1975

035437 442.8 R11
Sensitizing activity of plant radiotoxins [Allergic reaction in mice and guinea pigs]. (Rus) Kuzin, A M; Klemparskaia, N N; Krukova, L M; Isichenko, I B *Radiobiologiia* 15 (6): 875-878. Eng. Sum. Nov/Dec 1975

442.8 R11
The action of small radiation doses on spermatogenesis [Dogs, radiation injuries]. (Rus) Kondratenko, V G; Ganzenko, L F *Radiobiologiia* 15 (6): 861-865. Ref. Eng. Sum. Nov/Dec 1975

035438 442.8 R11
Thrombocytes and coagulation of blood in cows affected by a mixture of nuclear fission products [Radiation injuries]. (Rus) Bogatov, L V; Sirotkin, I; Arvanitopol, N *Radiobiologiia* 15 (6): 940-943. Eng. Sum. Nov/-Dec 1975

035439 49 P943
Estrogenic syndrome of fungal nature in cattle [Mycotoxicosis]. (Rum) Grigore, C; Mitroiu, P; Sofletea, I; Arvanitopol, N *Rev Cresterea Anim* 25 (7): 59-65. Ref. July 1975

41.8 F49
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. (Fin) Kukkula, M; Berger, R; Hintikka, E L *Suom Elainlaakaril* 81 (13): 559-563, 566. Eng. Sum. Dec 1975

035440 391.8 T662
Long-term toxicity study of mycophenolic acid in rabbits. Adams, E; Todd, G; Gibson, W *Toxicol Appl Pharmacol* 34 (3): 509-512. Dec 1975

035441 391.8 T662
Mobilization of chondroitin sulphate by nitrilotriacetic acid [Dogs]. Jaques, L B; Sue, T K *Toxicol Appl Pharmacol* 34 (3): 521-524. Ref. Dec 1975

035442 391.8 T662
Petroleum hydrocarbon toxicity studies. VI. Animal and human responses to vapors of "60 solvent". Carpenter, C P; Kinkead, E R; Geary, D L Jr; Sullivan, L J; King, J M *Toxicol Appl Pharmacol* 34 (3): 374-394. Dec 1975

035443 391.8 T662
Petroleum hydrocarbon toxicity studies. VII. Animal and human response to vapors of "70 solvent". Carpenter, C P; Kinkead, E R; Geary, D L Jr; Sullivan, L J; King, J M *Toxicol Appl Pharmacol* 34 (3): 395-412. Dec 1975

035444 391.8 T662
Petroleum hydrocarbon toxicity studies. VIII. Animal and human response to vapors of "140 degrees flash aliphatic solvent". Carpenter, C P; Kinkead, E R; Geary, D L Jr; Sullivan, L J; King, J M *Toxicol Appl Pharmacol* 34 (3): 413-429. Dec 1975

035445 391.8 T662
Reproduction and teratological studies with 1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) in the rat and rabbit. Thompson, D J; Molello, J A; Strebing, R J; Dyke, I L *Toxicol Appl Pharmacol* 34 (3): 456-466. Ref. Dec 1975

035446 391.8 T662
Studies on Dieffenbachia picta Schott: toxic effects in guinea pigs. Ladeira, A M; Andrade, S O; Sawaya, P *Toxicol Appl Pharmacol* 34 (3): 363-373. Ref. Dec 1975

035447 391.8 T662
Treatment of experimental poisoning produced by extracts of Amanita phalloides [Poisonious mushrooms, mice]. Floersheim, G L *Toxicol Appl Pharmacol* 34 (3): 499-508. Ref. Dec 1975

035448 391.8 T66
Effects of venom from the scorpion Heterometrus fulvipes onsome enzyme systems of sheep brain. Prameelamma, Y; Reddy, A V G; Swami, K S *Toxicon* 13 (6): 482-484. Ref. Dec 1975

035449 391.8 T66
Natural resistance of bovine animals to Micrurus nigrocinctus venom. Bolanos, R; Piva, A; Taylor, R; Flores, A *Toxicon* 13 (5): 369-370. Nov 1975

035450 410 V42
Chinchillas. XXVI. [Injuries, vices]. (Swe) Utne, R *Vara Palsd* 46 (7): 194-195. July 15, 1975

035451 41.9 C333
Changes in the biological effectiveness of androgens after the exposure of cockerels to lindane. (Slo) Adamec, O; Kosutzky, J; Kirchmayerova, J *Vet Med (Prague)* 20 (7): 433-440. Ref. Eng. Sum. July 1975

035452 41.9 C333
Evaluation of the sanitary harmlessness of the wood-impregnation substance Pentor 70 [Swine, toxicity]. (Cze) Herzig, I; Veznik, Z; Pospisil, Z; Paserin, V *Vet Med (Prague)* 20 (5): 269-276. Eng. Sum. May 1975

035453 41.9 C333
The effect of lindane on the biological effectiveness of estradiol in chickens. (Slo) Adamec, O; Kosutzky, J; Ledec, M *Vet Med (Prague)* 20 (5): 309-314. Ref. Eng. Sum. May 1975

035454 41.8 V6426
Data on mycotoxicoses of poultry. (Rus) Doltorniazov, I Kh *Veterinariia (Mosk)* 9: 101-104. Sept 1975

035455 41.8 V6426
Effect of [the acaricide] phthalophos on chicken embryos [Abnormalities]. (Rus) Kuul', A K *Veterinariia (Mosk)* 9: 104-106. Sept 1975

035456 41.8 V6439
Agronal H poisoning of dairy cows. (Cze) Kellner, V; Freundova, A; Tesarik, L; Fiala, V *Veterinarstvi* 25 (5): 229. 1975

FORESTRY—GENERAL

035457 16 AG8226
Forest fires. (Ita) Aliprandi, M *Agricoltura* 24 (9): XXI-XXIII. Map. Sept 1975

035458 16 AG8226
Forests and/or pastures? [Ecological equilibrium, conservation, reforestation]. (Ita) Vallerani, R *Agricoltura* 24 (2): 52-56. Feb 1975

035459 99.8 AL53
Contribution of forestry to the development of naturally damaged areas. (Ger) Krendelsberger, H *Allg Forstztg* 86 (10): 313-314. Oct 1975

035460 99.8 AL53
Deer and the forest. (Ger) Valentincic, S *Allg Forstztg* 86 (10): 300-302. Oct 1975

035461 99.8 AL53
People, forests and wildlife. (Ger) Egger, J *Allg Forstztg* 86 (10): 293-296. Oct 1975

035462 99.8 AL53
Red deer and forests. (Ger) Konig, E *Allg Forstztg* 86 (10): 298-300. Ref. Oct 1975

035463 99.8 AL53
The forest as a living area for wildlife. (Ger) Grabher, H *Allg Forstztg* 86 (10): 296-297. Oct 1975

035464 SD1.A68
Education in the broadening scope of forestry today. Mathews, J D; Crooke, M *Arboric Assoc J* 2 (9): 369-382. Ref. Sept 1975

035465 99.8 R47
Protection of Picea polita forest against typhoons and its restoration on the damaged area in Yamanaka Forest Reserve. (Jpn) Takahashi, K *Bull Gov For Exp Stn (Tokyo)* 277: 61-85. Ref. Eng. Sum. Oct 1975

035466 100 C12CAG
Impact of air pollution on the growth of ponderosa pine [Pinus, injuries]. McBride, J R; Semion, V P; Miller, P R; California Agricultural Experiment Station *Calif Agric* 29 (12): 8-9. Dec 1975

512 W263
Leaf fall and the rate of litter decay in some forest habitats [in relation to leaf production and saphrophage activity]. Stachurski, A; Zimka, J R *Ekol Pol* 23 (1): 103-108. 1975

035467 ASD388.A1E8
New safety fuse igniter [Forest equipment]. U.S. Forest Service Equipment Development Center *Equip Tips* 1 P. Jan 1976

035468 SD1.F3
Farm forestry present and future. Frost, I A *Farm For* 17 (3): 59-62. Sept 1975

035469 SD1.F3
Farm forestry short course, Flock House, February 1975. McKenzie, G R *Farm For* 17 (3): 84-85. Sept 1975

035470 99.8 F7623
Obituaries: Charles B. Dunham, 1908-1975 [Foresters]. *For Chron* 51 (5): 218. Oct 1975

035471 99.8 F7623
Root rot and stem decay following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. Wallis, G W; Morrison, D J *For Chron* 51 (5): 203-207. Ref. Oct 1975

19 F75
Agriculture and forestry in mountain areas. (Ger) Riedler, R *Forderungsdienst* 23 (10): 323-326. Oct 1975

035472 99.8 F767
Early frost damage on Sitka spruce [Picea sitchensis] seedlings and the influence of phosphorus nutrition. Malcolm, D C; Freezaillah, B C Y *Forestry* 48 (2): 139-145. Ref. 1975

035473 20 M57AG
Organization of fire protection for forests with use of aircraft. (Ger) Tscherwonny, M *Int Z Landwirtsch* 5: 593-595. 1975

035474 99.8 IT12
Early intervention and extinguishing of forest fires by using a diesel Campagnola truck equipped with automatic spraying. (Ita) Barbone, E *Ital For Mont* 30 (3): 124-129. May/June 1975

035475 99.8 IT12
Inauguration of the XXIVth year of the Italian Academy of Forest Sciences. (Ita) Abrami, A *Ital For Mont* 30 (3): 93-109. May/June 1975

99.8 IT12
Instruction of topography and construction in courses for obtaining academic degrees in agricultural and forest sciences. (Ita) Gasperi-Campani, I *Ital For Mont* 59 (4): 155-160. July/Aug 1975

035476 SB436.J6
American Forestry Association's 100th birthday. *J Arboric* 1 (9): 179-180. Sept 1975

035477 99.8 F768
Effects of clearcutting [Quercus, Carya, Acer rubrum, Pinus] on the diversity of breeding birds. Conner, R N; Adkisson, C S *J For* 73 (12): 781-785. Dec 1975

035478 99.8 F768
Forest research in a land of fields: Poland. Zaerr, J B *J For* 74 (1): 29-30. Map. Jan 1976

035479 99.8 F768
Forests as energy sources in the year 2000: what man can imagine, man can do. Brown, C L *J For* 74 (1): 7-12. Ref. Jan 1976

035480 99.8 F768
Urban forestry education in North America. Andresen, J W; Williams, B M *J For* 73 (12): 786-790. Ref. Dec 1975

035481 99.8 J82
Results of simulating wildlife browsing by cutting shoots [of forest trees]. (Ger) Eiberle, K *J For Suisse* 126 (11): 821-839. Nov 1975

035482 99.8 AU73
Forest fire losses in Australia 1970-71. Cheney, N P; McArthur, I G *Leafl Aust Dep Agric For Timber Bur* 123, 21 P. Map. 1975

035483 99.8 L5622
On the problem of intereffects of trees and shrubs. (Rus) Marchenko, I S *Lesn Khoz* 12: 44-48. Dec 1975

035484 99.8 L5622
The forestry of Kenya. (Rus) Logvinov, I V; Kirova, S M; Muiia, D S *Lesn Khoz* 12: 83-85. Dec 1975

035485 99.8 IZ8
Calculating optimum parameters for wind erosion control of forest shelterbelts in the dry steppe area. (Rus) Vasil'ev, M E *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 29-35. 1975

035486 99.8 IZ8
On the 50th anniversary of the Faculty of Mechanical Wood Technology of the Order of Lenin S. M. Kirov Leningrad Forest Engineering Academy. (Rus) Pesotskii, A N *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 166-167. 1975

035487 99.8 IZ8
Zonal features of forests of the European North [USSR]. (Rus) L'vov, P N; Ipatov, L F *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 19-22. 1975

035488 99.9 W262
Comparison of the course of potential evaporation in the forest and outside it in the area of Rogow. (Pol) Makowiec, M *Lesnictwo (Warsz)* 21: 71-83. Ref. Eng. Sum. 1975

035489 99.9 W262
Graduates of forestry faculties of graduate schools and secondary forestry schools in Poland in the years 1954-1972, and their employment. (Pol) Wiecko, E *Lesnictwo (Warsz)* 21: 133-148. Eng. Sum. 1975

035490 99.9 W262
List of publications of workers of the Forestry Faculty [Agricultural Academy in Warsaw]. (Pol) Sliwczynska, Z; Aumerowa, K *Lesnictwo (Warsz)* 21: 205-231. Ref. 1975

035491 99.9 W262
The effect of the forest upon the frequency and occurence of slight frosts in spring. (Pol) Bednarek, A *Lesnictwo (Warsz)* 21: 57-70. Ref. Eng. Sum. 1975

035492 SD1.L44
Dying out of oak stands in the steppe zone of the Ukraine at the end of the sixities and beginning of the seventies. (Rus) Lokhmatov, N A *Lesovod Agrolesomelior* 41: 56-64. 1975

035493 SD1.L44
Resources of wild berries in the trans-Carpathians. (Rus) Cherniavskii, N V *Lesovod Agrolesomelior* 41: 50-56. 1975

035494 1 AG84M
Developing the self-guiding trail in the National Forests. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 968, 18 P. 1964 (Pub. 1974)

035495 99.8 N28
Forestry and bird fauna. (Dut) Morzer Bruyns, M F *Ned Bosbouw Tijdschr* 47 (9): 207-211. Ref. Sept 1975

035496 99.8 N28
Stability of the forest with respect to wind and storm; foreword [Damage]. (Dut) Stefels, C J *Ned Bosbouw Tijdschr* 47 (7/8): 177-178. July/Aug 1975

035497 99.8 N28
Stability of the forest with respect to wind and storm as seen from experience [Damage]. (Dut) Sissingh, G *Ned Bosbouw Tijdschr* 47 (7/8): 188-193. July/Aug 1975

035498 99.8 N28
Stability of [forest] stands to wind: a theoretical approach [Damage, Pseudotsuga menziesii]. (Dut) Faber, P J *Ned Bosbouw Tijdschr* 47 (7/8): 179-187. Eng. Sum. July/Aug 1975

035499 157.8 R29
Debris flows following wildfire in north central Washington[Watersheds, forest management]. Klock, G O; Helvey, J D *PB U S Natl Tech Inf Serv* 245100: 1-91-1-98. Map. 1976

035500 157.8 R29
Sediment storage in channels draining small forested watersheds in the mountains of central Idaho. Megahan, W f; Nowlin, R A *PB U S Natl Tech Inf Serv* 245100: 4-115-4-126. Maps. 1976

157.8 R29
Sediment yield from steep lands [forest slopes] in the driftless area [Watersheds]. Sartz, R S *PB U S Natl Tech Inf Serv* 245100: 1-123-1-131. 1976

20.5 P84
Plan of coordination of research in the field of agriculture and forestry in connection with environmental protection. (Pol) Pronczuk, J *Postepy Nauk Roln* 22 (1): 123-128. 1975

035501 505 SO14
Peri-urban forests, a dream or reality? Words of a biologist. (Fre) Boullard, B *Rev Soc Savantes Haute Normand* 72 (26): 15-23. 1973 (Pub. 1975)

035502 99.9 F497
Readership study concerning scientific forestry publications. (Fin) Heiramo, T *Silva Fenn* 9 (2): 130-169. Eng Sum. 1975

035503 99.8 SY52
Appraisal of the utilization of African wood resources. (Pol) Leski, O *Sylwan* 119 (9): 44-50. Eng. Sum. Sept 1975

035504 99.8 SY52
Possibilities of limiting the damage done by game in the Tatra National Park. (Pol) Szukiel, E *Sylwan* 119 (9): 51-56. Eng. Sum. Sept 1975

035505 99.8 SY52
Remarks concerning forest experiments and research in industrial regions [Air pollution]. (Pol) Schnaider, Z *Sylwan* 119 (7): 75-78. July 1975

035506 99.8 SY52
Roman Gesing, former minister of Forestry and Wood Industries—obituary. (Pol) Krzysik, F *Sylwan* 119 (9): 85-90. Ref. Sept 1975

035507 A99.9 F7652
Recording wind velocity direction, and temperature in [forest] fires by logarithmic technique. Palmer, T Y; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)* 304, 5 P. 1975

035508 20 V82
Effect of forest stands of varying composition on the soil. (Ukr) Ustynovs'ka, L T *Visn Sil's'kohospod Nauki* 10: 69-73. Oct 1975

035509 20 V82
Stability of trees in forest shelterbelts of the Askania-Nova Experimental Farm. (Ukr) Karas'ov, H M; Kurdiuk, M H *Visn Sil's'kohospod Nauki* 10: 73-76. Oct 1975

035510 1 AG84Y
Redwoods [Sequoia sempervirens] to "popple" [Populus]—Aladdins in the forests. Kaufert, F H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 191-200. 1975

035511 99.9 V66F
Economic incentive in the harvesting of cereals. (Rus) Wade, M *Zern Maslichn Kul't* 8: 13-14. June 1975

035512 SB183.Z4
Forest shelterbelts and the quality of crops. (Rus) Vasil'ev, M E *Zern Maslichn Kul't* 7: 27-29. July 1975

FOREST MANAGEMENT

58.8 D482
A new division of time in agriculture and forestry. (Ger) Schimming, J *Agrartechnik* 25 (8): 402-403. Aug 1975

16 AG8226
Regions under the microscope [Labor and utilization of agricultural and forest lands]. (Ita) Donati, M *Agricoltura* 24 (7/8): 31-35. July/Aug 1975

035513 16 AG8226
Too many doctors around the mountain, the large patient [Forest management, legislation]. (Ita) De Martini, M *Agricoltura* 24 (7/8): 22-30. Ref. July/Aug 1975

035514 99.8 AL53
Are we operating still site-adapted forestry? (Ger) Krapfenbauer, A *Allg Forstztg* 86 (11): 324-325. Nov 1975

035515 99.8 AL53
Avalanches from forests. (Ger) Fiebiger, G *Allg Forstztg* 86 (11): 330-331. Nov 1975

035516 99.8 AL53
Biological avalanche and torrent prevention by timely protective forest care. (Ger) Mayer, H *Allg Forstztg* 86 (11): 325-327. Nov 1975

035517 99.8 AL53
Organization of the site of building and the use of machines in forest road construction. (Ger) Blaha, W *Allg Forstztg* 86 (11): 336. Nov 1975

035518 99.8 AL53
Problems of planning in forest operations. (Ger) Jobstl, H *Allg Forstztg* 86 (11): 337-339. Nov 1975

035519 99.8 AL53
Role of free associations in forest policy. (Ger) Gluck, P *Allg Forstztg* 86 (11): 339-341. Ref. Nov 1975

035520 99.8 AL53
Setting up a new pine [Pinus] yield table in Litschau. (Ger) Marschall, J; Sterba, H *Allg Forstztg* 86 (11): 331-332. Nov 1975

035521 SD1.A68
Forestry and wildlife conservation in the temperate zone. 1. General characteristics of forests and wildlife habitats and considerations for their conservation. Steele, R C *Arboric Assoc J* 2 (9): 353-360. Ref. Sept 1975

035522 SD1.A68
Nature conservation in woodland management. Ungley, D C *Arboric Assoc J* 2 (9): 389-394. Ref. Sept 1975

035523 99.9 OS73B
Forest inspection in Askim. (Nor) Kaafjeld, G *Beret Ostfold Skogselskap* P. 39-44. 1975

035524 99.9 OS73B
Old forests, price increases, and the tax assessment situation. (Nor) Westerbo, L *Beret Ostfold Skogselskap* P. 33-38. 1975

035525 S900.B5
Man's impact on the tropical rainforest of peninsular Malaysia: a review. Aiken, S R; Moss, M R *Biol Conserv* 8 (3): 213-229. Ref. Nov 1975

035526 S900.B5
Woodland conservation in eastern England: comparing the effects of changes in three study areas snce 1946. [Forest management]. Peterken, G F; Harding, P T *Biol Conserv* 8 (4): 279-298. Map. Ref. Dec 1975

035527 99.8 B632
Note on the conversion plantations in moist tropical forests. (Fre) Groulez, J *Bois Forets Trop* 162: 3-24. Ref. Eng. Sum. July/Aug 1975

035528 99.8 B632
Terrain classification for tropical logging: application to the case of Gabon. (Fre) Mazier, D; Baumgartner, L; Lepitre, C *Bois Forets Trop* 162: 47-67. Maps. Eng. Sum. July/Aug 1975

035529 512 W262
Tables of form factor for stems-in-bark in pine stands. Bruchwald, A *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 543-547. Ref. 1975

035530 99.9 EH3
Analysis of the growth in five years in randomized block experiment (No. 1) of the Komenono University Forest. (Jpn) Watanabe, K; Ezaki, T *Bull Ehime Univ For* 12: 145-148. Oct 1975

035531 99.9 EH3
On the opening of the forest road with staff's own effort in the Ehime University Forest (Komenono, Matsuyama City). (Jpn) Ezaki, T; Fushimi, T; Watanabe, K *Bull Ehime Univ For* 12: 135-144. Oct 1975

035532 99.9 EH3
On the protection work of the forest road in the forest road in the Ehime University Forest. VI. Examination of native Japanese vegetation. 2. (Jpn) Fushimi, T; Watanabe, K; Ezaki, T *Bull Ehime Univ For* 12: 149-154. Oct 1975

035533 99.9 EH3
Studies on forestry in Kuma area. I. Formation process of forest management. (Jpn) Izumi, E *Bull Ehime Univ For* 12: 119-134. Ref. Eng. Sum. Oct 1975

035534 99.9 EH3
Time of passage in non-thinned sugi [Cryptomeria japonica] stand changing with the age. (Jpn) Miyoshi, H; Yamahata, K *Bull Ehime Univ For* 12: 113-118. Eng. Sum. Oct 1975

035535 99.9 EH3
Utilization of portable tape recorder for a complete measurement of forest stand. 2. The improved equipment. (Jpn) Yamamoto, T; Fujimoto, K; Miyoshi, H *Bull Ehime Univ For* 12: 107-112. Eng. Sum. Oct 1975

035536 99.8 C76
Forest management and water quality. *Conn Woodl* 40 (3): 8, 10-11. Fall 1975

035537 99.8 C764
Public liability of southern forest owners. Clippert, G H *Consultant* 21 (1): 17-21. Jan 1976

035538 99.8 D23
Forest supervisor Carl M. Vendelsoe, 17 March 1891-21 May 1975. (Dan) Toistrup, E *Dan Skovforen Tidsskr* 60 (2): 69-71. 1975

035539 99.8 D23
Forester's views on forest amenities; an opinion poll. (Dan) Helles, F *Dan Skovforen Tidsskr* 60 (1): 46-60. Eng. Sum. 1975

035540 99.8 D23
Integration of forest planning and accounting. (Dan) Wentzer, M *Dan Skovforen Tidsskr* 60 (3): 254-256. 1975

035541 99.8 D23
Moor forestry in France [Pinus pinaster]. (Dan) Helles, F *Dan Skovforen Tidsskr* 60 (3): 201-243. Map. Ref. 1975

035542 280.38 D442
Guiana, the most forested department of France. (Fre) *Depeche Ind Commer Agric* (New Ser.) 28 (249): 29. Nov 1975

035543 99.8 ER22
Forestry policy in view of forest uses and wood processing in Hungary. (Hun) Andor, J *Erdo* 24 (9): 407-410. Sept 1975

035544 99.8 ER22
The distribution of timber volume according to tree species and size groups in the year of 2000. (Hun) Szasz, T *Erdo* 24 (11): 488-490. Nov 1975

035545 99.8 ER22
The major national and forestry targets of the 5th five year plan. (Hun) Varadi, G *Erdo* 24 (11): 490-497. Nov 1975

035546 99.8 ER22
The role of forestry in environmental conservation and areal development. (Hun) Nagy, S L *Erdo* 24 (9): 419-424. Sept 1975

035547 SD1.F3
Needles in the grass [Forest grazing]. Harper, J L *Farm For* 17 (3): 75-81. Sept 1975

035548 SD1.F3
Trees and grass [Management]. Knowles, R L *Farm For* 17 (3): 63-74. Sept 1975

035549 99.8 F7623
Metric forestry: a measure of progress. Keen, R E *For Chron* 51 (2): 47-50. Apr 1975

035550 19 F75
Forestry may hope [Policies]. (Ger) Weihs, O *Forderungsdienst* 23 (10): 321-323. Oct 1975

035551 99.8 F767
The use of simulation in the management of privately owned forests in Britain. Philip, M S *Forestry* 48 (2): 123-138. Ref. 1975

035552 99.8 IN2
Return from standing timber in project—evaluation analysis of Maharashtra project. Mishra, D N *Indian For* 101 (12): 723-729. Dec 1975

035553 20 M57AG
Prospects for the development of forestry in the member countries of the Council for Mutual Economic Assistance. (Ger) Madas, A *Int Z Landwirtsch* 6: 693-697. 1975

035554 99.8 IT12
Gracco "preserved" forest in Carnia. (Ita) Paiero, P; Candidi-Tommasi, R *Ital For Mont* 30 (4): 133-154. Ref. Eng. Sum. July-/Aug 1975

035555 HC75.E5J6
Planning resource use on national forests to achieve multiple objectives. Schuler, A; Meadows, J C *J Environ Manage* 3 (4): 351-366. Ref. Oct 1975

035556 99.8 F768
Federal legislation of forest practices. Glascock, H R Jr *J For* 74 (1): 2-3. Jan 1976

035557 99.8 F768
Forest inventory in the tropics [Nicaragua]: a consideration. Puffenbarger, H E *J For* 74 (1): 28, 38. Jan 1976

035558 99.8 F768
Forestry issues in an urban economy. Dwyer, J F *J For* 74 (1): 21-23. Jan 1976

035559 99.8 F768
How to double the harvest of loblolly and slash pine timber [Pinus taeda, Pinus elliottii]. Boyce, S G *J For* 73 (12): 761-766. Maps. Ref. Dec 1975

035560 99.8 F768
Impact of changing land use on delta hardwood forests. Sternitzke, H S *J For* 74 (1): 25-27. Maps. Ref. Jan 1976

035561 99.8 F768
Improving the performance of citizens' committee [for forest land management]. Engs, W D *J For* 74 (1): 18-20. Jan 1976

035562 99.8 F768
National forest visual management: a blend of landscape and timber management. Burke, R E *J For* 73 (12): 767-770. Dec 1975

035563 99.8 F768
Soil insects [Collembola] as indicators of use patterns in recreation areas. Mahoney, C L *J For* 74 (1): 35-38. Ref. Jan 1976

035564 99.8 F768
The Bitterroot [National Forest]—a fading polemic. II. Popovich, L *J For* 74 (1): 39-41. Jan 1976

035565 99.8 F768
[Forest] land-use planning: a view from Holland. Wagar, J A *J For* 74 (1): 13-17. Maps. Jan 1976

035566 99.8 N62
A suitable transition curve to the forest road—the locus of the front wheel of the truck. (Jpn) Minamikata, Y *J Jap For Soc* 57 (11): 395-397. Nov 1975

035567 99.8 N62
Studies on the morphology and dimensions of tree crowns in even-aged stand of sugi [Cryptomeria japonica]. I. Crown form. (Jpn) Kajihara, M *J Jap For Soc* 57 (12): 425-431. Ref. Eng. Sum. Dec 1975

035568 99.8 N62
The 13th symposium of the forest management: forest planning. (Jpn) Ihara, N *J Jap For Soc* 57 (11): 398-402. Nov 1975

035569 474 K842
No interventions in the tropical rain forest [Conservation]. (Ger) Vogt, H H *Kosmos* 71 (12): 507-509. Dec 1975

035570 11 L236
Concerning the Sor Trondelag Forest Owners organization and the proposed county plan. (Nor) Jensen, J *Landbrukstidende* 81 (40): 857-858. Oct 4, 1975

035571 99.8 L5622
Complex regionalization of forest economy of the Ukraine. (Rus) Gensiruk, S A *Lesn Khoz* 12: 35-40. Map. Ref. Dec 1975

035572 99.8 L5622
Effect of concentration of production on the economic indices of widespread-demand enterprises [Forestry]. (Rus) Kiselev, G M *Lesn Khoz* 12: 30-33. Dec 1975

035573 99.8 L5622
Efficient utilization of economic incentives of the development of production [Forest industries]. (Rus) Mikhalin, I IA; Tolokonnikov, V B *Lesn Khoz* 12: 22-27. Dec 1975

035574 99.8 L5622
Growth of stands of Pinus koraiensis. (Rus) IUrov, I V *Lesn Khoz* 12: 60-62. Dec 1975

035575 99.8 L5622
Improving the organization of labor in forest management. (Rus) Bobko, A N *Lesn Khoz* 12: 67-70. Dec 1975

035576 99.8 L5622
Improving the structure of low-level forest management groups. (Rus) Shlapakov, P I *Lesn Khoz* 12: 29-30. Dec 1975

035577 99.8 L5622
On the operations of the computer center [Forest management]. (Rus) Sidorenko, V V; Zinin, B I; Nefedov, A A *Lesn Khoz* 12: 72-75. Ref. Dec 1975

035578 99.8 L5622
On the use of the system "Payment for use of the forest" inthe German Democratic Republic. (Rus) Khempel', G; Khempel', M *Lesn Khoz* 12: 85-87. Dec 1975

035579 99.8 L5622
Pine stands in cutover areas. (Rus) Khasankaev, Ch S; Agliullin, F V *Lesn Khoz* 12: 53-55. Dec 1975

035580 99.8 L5622
Pinus nigra caramanica in the foothills of Dagestan. (Rus) Aliev, Sh *Lesn Khoz* 12: 55-57. Dec 1975

035581 99.8 L5622
Pinus sylvestris stands in drained lands. (Rus) Miastkovskii, P N *Lesn Khoz* 12: 50-53. Dec 1975

035582 99.8 L5622
The goal of forest management—the complex utilization of forest resources. (Rus) Poliakov, V K; Kanunikov, N E *Lesn Khoz* 12: 71-72. Dec 1975

035583 99.82 L56
Latvia: principles of management [Forestry, mechanization]. (Rus) Markov, L I *Lesn Prom St'* 12: 7-9. Dec 1975

035584 99.82 L56
New tasks for the loggers of Karelia. (Rus) Ivanov, IU N; Gil'ts, N R *Lesn Prom St'* 12: 6. Dec 1975

035585 99.82 L56
Patent-statistics research [Forest engineering]. (Rus) Mozhaev, D V *Lesn Prom St'* 12: 18-20. Dec 1975

035586 99.82 L56
Regional distribution of construction of log transport roads in the Carpathians. (Rus) Krutsyk, M D *Lesn Prom St'* 12: 25-26. Dec 1975

035587 99.82 L56
Shop-less structure of management [Forest industries]. (Rus) Ivanov, A P *Lesn Prom St'* 12: 27-28. Dec 1975

035588 99.82 L56
Women in the forest—How to make their work easier? (Rus) Voronitsyn, K I *Lesn Prom St'* 12: 4. Dec 1975

035589 99.8 IZ8
Growth rate and change by age in marketability of white willow stands of Astrakhan Region [Salix alba]. (Rus) Volkov, S V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 11-14. 1975

035590 99.8 IZ8
Selecting the optimum variant of [pine] stand density according to economic criterium. (Rus) Shinkaruk, A I *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 144-148. 1975

035591 99.8 IZ8
Types of age structure in spruce stands of the North [USSR]. (Rus) Gusev, I I *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 5-11. Ref. 1975

035592 99.9 W262
Appraisal of the usefulness of modified statistical methods of taxation for needs of forest survey using an example of a selected forest tract. (Pol) Rosa, W *Lesnictwo (Warsz)* 21: 9-30. Eng. Sum. 1975

035593 99.9 W262
Studies on the accuracy of contour map of a forest tract obtained from a magnification of medium-scale topographic map. (Pol) Labecki, Z; Mozgawa, J *Lesnictwo (Warsz)* 21: 103-114. Eng. Sum. 1975

035594 SD1.L44
Effect of improvement cutting of young stands of Pinus nigra caramanica on biological activity of soil. (Rus) Diakun, F A *Lesovod Agrolesomelior* 41: 47-50. 1975

035595 SD1.L44
Forest resources and utilization in the Ukraine. (Rus) Medvedev, L A *Lesovod Agrolesomelior* 41: 3-9. 1975

035596 SD1.L44
On the growth of spruce forests of the Carpathians of varying density. (Rus) Pitikin, A I; Ryzhilo, L E; Kosolapov, V B; Dutchin, IA N *Lesovod Agrolesomelior* 41: 15-21. 1975

035597 SD1.L44
On the problem of optimum forest area of the southern macroslope of the Crimean mountains. (Rus) Poliakov, A F *Lesovod Agrolesomelior* 41: 21-25. 1975

035598 SD1.L44
Seasonal growth increment of pine, spruce, oak and birch in mixed stands of the Svesskii Forest Enterprise. (Rus) Burnos, N N *Lesovod Agrolesomelior* 41: 41-46. 1975

035599 99.8 M292
Mixed hardwood forests and the continuity of timber supply in Central Sarawak. Tiing, L B *Malay For* 37 (4): 233-262. Oct 1974 (Pub. Aug 1975)

035600 99.8 M292
The forest resources of Sabah and their development in the light of land capability classification. Hepburn, A J *Malay For* 37 (4): 215-223. Maps. Oct 1974 (Pub. Aug 1975)

035601 99.8 M292
The potential of the lesser-known species in Sabah [Production of timber]. Udarbe, M P *Malay For* 37 (4): 224-232. Map. Ref. Oct 1974 (Pub. Aug 1975)

035602 99.8 M292
The potential of mangrove forests in Sarawak. Chai, P P K *Malay For* 37 (4): 284-288. Oct 1974 (Pub. Aug 1975)

035603 QH5.N33
The forest is not only a wood factory [Conservation]. (Ger) Kleemann, G *Natursch Naturp* 77: 27-32. 1975

035604 QH5.N33
The Meissner National Park—the Kaufung Forest. (Ger) Wentzel, K F *Natursch Naturp* 77: 49-50. 1975

035605 99.8 N28
Possibilities and difficulties with forestry budgets. (Dut) Boven, B van *Ned Bosbouw Tijdschr* 47 (3): 96-99. Mar 1975

035606 157.8 R29
Erosion and sediment from forest land uses, management practices and disturbances in the southeastern United States. Dissmeyer, G E *PB U S Natl Tech Inf Serv* 245100: 1-140-1-148. Map. 1976

035607 157.8 R29
Geotechnical management of forest lands in granitic terrane. Hicks, B G *PB U S Natl Tech Inf Serv* 245100: 2-83-2-90. 1976

035608 6 T311
Solid profits from hardwoods. Wilborn, E *Prog Farmer (Birmingham)* 90 (3): 60. Mar 1975

035609 302.8 P96
Private forest lands in Nova Scotia. Routledge, H *Pulp & Pap Mag Can* 76 (10): 33-35. Map. Oct 1975

035610 302.8 P96
The helicopter—new tool for forest management. Penna, D *Pulp & Pap Mag Can* 76 (10): 66-67. Map. Oct 1975

035611 302.8 P96
Use a helicopter to supervise your harvesting operations. MacKenzie, G A *Pulp & Pap Mag Can* 76 (10): 69-71. Oct 1975

035612 SD1.C52
Proceedings of the Symposium of the Chinese Forestry Association on Forest Resources management in Taiwan. (Chi) *Q J Chin For* 8 (2): 91-119. June 25, 1975

035613 A99.9 F7625UN
Timber resource statistics for the Copper River Inventory Unit, Alaska, 1968. Hegg, K M; U.S. Pacific Northwest Forest and Range Experiment Station *Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)* 62, 55 P. Maps. 1975

035614 470 SCI2
Forest resources: an overview. Bethel, J S; Schreuder, G F *Science* 191 (4228): 747-752. Feb 20, 1976

035615 470 SCI2
The national forests: a great national asset is poorly managed and unproductive. Clawson, M *Science* 191 (4228): 762-767. Ref. Feb 20, 1976

035616 99.9 F497
Linear programing in the planning of timber production in a forestry unit. (Fin) Kilkki, P; Pokala, R; Siitonen, M *Silva Fenn* 9 (2): 170-180. Eng. Sum. 1975

035617 99.9 F497
On "the multiple-use" of forests in ancient times. (Fin) Makkonen, O *Silva Fenn* 9 (2): 116-129. Ref. Eng. Sum. 1975

035618 99.9 F497
Training of Tahi forestry graduates in Finland. (Fin) Luukkanen, O *Silva Fenn* 9 (2): 89-100. Ref. Eng. Sum. 1975

035619 99.8 SY52
Appraisal of the growth and development of young plantations and thickets originating from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. (Pol) Latocha, E *Sylwan* 119 (4): 14-24. Apr 1975

035620 99.8 SY52
Economic aspects of the natural regeneration of pine in the Solski Forest. (Pol) Jastrzebski, S *Sylwan* 119 (4): 67-72. Apr 1975

035621 99.8 SY52
Forest survey contents of the classificatory system of forest management methods. (Pol) Rutkowski, B *Sylwan* 119 (7): 31-38. Eng. Sum. July 1975

035622 99.8 SY52
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and breast height cross-section area and the number of trees per area unit on the other. (Pol) Zajaczkowski, J *Sylwan* 119 (4): 1-8. Eng. Sum. Apr 1975

035623 99.8 SY52
Problem of the regeneration of fir and mixed stands with fir with the use of improved cutting methods in the light of studies in the VIth Land—Central Poland Uplands. (Pol) Graniczny, S *Sylwan* 119 (4): 53-62. Ref. Apr 1975

035624 99.8 SY52
Some elements of traffic in the light of direct measurements on forest roads. (Pol) Koczwanski, S *Sylwan* 119 (9): 61-67. Eng. Sum. Sept 1975

035625 99.8 SY52
Some problems of long-range planning in forestry. (Pol) Knothe, J *Sylwan* 119 (7): 11-20. Eng. Sum. July 1975

035626 A99.9 F7623U
Stem and primary product weights for longleaf pine [Pinus palustris] sawtimber trees. Schroeder, J G; Taras, M A; Clark, A III; U.S. Southeastern Forest Experiment Station *U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn* 139, 15 P. Nov 1975

035627 ASD11.A352
Estimating aspen [Populus tremuloides] volume and weight for individual trees, diameter classes, or entire stands. Schlaegel, B E; U.S. North Central Forest Experiment Station *USDA For Serv Gen Tech Rep NC North Cent For Exp Stn* 20, 16 P. 1975

SILVICULTURE

035628 331.9 EE7
Forest resources and their prospects in Estonia. (Est) Margus, M *Aastaraamat Eesti Geogr Selts* P. 63-82. Ref. Eng. Sum. 1974

035629 256.13 AG82M
Supply of young trees to the public [Forest nurseries]. McDonald, K M *Agric North Irel* 50 (7): 207-208. Nov 1975

035630 99.8 AL53
Rational silviculture in Switzerland. (Ger) Reininger, H *Allg Forstztg* 86 (9): 267-269. Sept 1975

035631 99.8 AL53
What can one expect from the silviculturist in relation to landscape ecology and regional planning? (Ger) Aulitzky, H *Allg Forstztg* 86 (11): 329-330. Ref. Nov 1975

035632 99.9 F7626A
A sowing trial with Scots pine [Pinus sylvestris] seed of different provenances. (Swe) Werner, M *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 203-227. Eng. Sum. 1975

035633 99.9 F7626A
Choosing provenances of Norway spuce [Picea abies] in northern Sweden. (Swe) Remrod, J *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 117-135. Eng. Sum. 1975

035634 99.9 F7626A
Forest tree seed orchards in Sweden, 1975 [Pinus, Picea]. (Swe) Hadders, G; Samuelson, K R *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 98-116. Maps. Eng. Sum. 1975

035635 99.9 F7626A
Results from six field experiments with Pinus sylvestris. (Swe) Blomdqvist, S *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 160-202. Eng. Sum. 1975

035636 99.9 F7626A
Results from some research in northern Sweden with provenance hybrids of Norway spuce (Picea abies). (Swe) Ericsson, T *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 149-159. Map. Eng. Sum. 1975

035637 99.9 F7626A
The development of Norway spruce [Picea abies] plantations in northern Sweden. (Swe) Remrod, J; Stromberg, S *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 136-148. Map. Eng. Sum. 1975

451 R923
Pinus sylvestris S.L. In the Caucasus, its history and systematics. (Rus) Bobrov, E G *Bot Zh* 60 (10): 1421-1433. Map. Ref. Oct 1975

035638 99.9 EH3
Studies on selection forest of akamatsu (Pinus densiflora) in Kikuma-cho. 12. On the germination and vanishment of the natural seedlings and their height growth. (Jpn) Fujimoto, K; Yamahata, K; Masuoka, M; Yamamoto, T; Miyoshi, H *Bull Ehime Univ For* 12: 47-75. Ref. Eng. Sum. Oct 1975

035639 99.9 EH3
Studies on the characteristics of sugi cultivars (Cryptomeria japonica D. Don) in Kyushu by the experimental designs. i. Analysis of the five years growth in randomized. (Jpn) Watanabe, K; Ezaki, T *Bull Ehime Univ For* 12: 89-106. Map. Ref. Eng. Sum. Oct 1975

035640 302.9 EN8
Influence of planting density and selective thinning on the increase of Pinus radiata near Massa Marittima (Grosseto). (Ita) Eccher, A *Cellul Carta* 26 (7/8): 45-54. Ref. Eng. Sum. July/Aug 1975

035641 99.8 D23
An economic model for selection of [forest] tree varieties [Fagus, Picea abies]. (Dan) Arp-Hansen, N *Dan Skovforen Tidsskr* 60 (3): 244-253. Eng. Sum. 1975

035642 99.8 F7623
Root regeneration of fall-lifted white spruce [Picea glauca] nursery stock in relation to soil moisture content. Day, R J; MacGillivray, G R *For Chron* 51 (5): 196-199. Oct 1975

035643 99.8 F7623
Seedfall studies in red spruce [Picea rubens, seed collection]. Powell, G R *For Chron* 51 (2): 55-58. Ref. Apr 1975

035644 99.8 F7623
Selecting peat for rearing coniferous container seedlings. Hellum, A K *For Chron* 51 (5): 200-202. Ref. Oct 1975

035645 99.8 F7623
Several tests of mycorrhizal inoculations [Forest nurseries, propagation]. (Fre) Richard, C *For Chron* 51 (5): 188-194. Ref. Eng. Sum. Oct 1975

035646 99.8 F7623
Sowing of jack pine [Pinus banksiana] seeds: results of five year period. (Fre) Frisque, G *For Chron* 51 (2): 51-52. Eng. Sum. Apr 1975

035647 A99.9 F76US
Genetics of Virginia pine [Pinus virginiana]. Kellison, R C; Zobel, B J; U.S. Forest Service *For Serv Res Pap WO U S Dep Agric* 21, 10 P. Map. Ref. Dec 1974

035648 99.9 V66F
Effects of soil physical properties, irrigation, and fertilization on Pinus radiata seedling development in the Benalla nursery. Minko, G *For Tech Pap For Comm (Victoria)* 22: 19-24. June 1975

035649 99.9 V66F
Field deveopment of culled nursery stock of Pinus radiata. Minko, G *For Tech Pap For Comm (Victoria)* 22: 3-6. June 1975

035650 99.9 V66F
Seed crop forecasting in eucalypt [Eucalyptus regnans] forests using aerial reconnaissance. Incoll, W D *For Tech Pap For Comm (Victoria)* 22: 25-28. June 1975

035651 SB476.G7
GM [Grounds Maintenance] guide to planting a tree. 3. Baumgardt, J P *Grounds Maint* 10 (10): 38, 40, 42, 44, 46, 48. Oct 1975

035652 99.8 IN2
A note on air-layering of Pinus pseudostrobus. Chandra, J P *Indian For* 101 (12): 738-740. Dec 1975

035653 99.8 IN2
A note on supplies of seed of tropical pines [Pinus]. Burley, J *Indian For* 101 (12): 741-743. Dec 1975

035654 99.8 IN2
An appraisal of the fir [Abies] regeneration problem. Chandra, R *Indian For* 101 (12): 713-722. Dec 1975

035655 99.8 IT12
The season for planting in Mediterranean reforestation [Program]. (Ita) Giacobbe, A *Ital For Mont* 59 (4): 161-168. July/Aug 1975

035656 442.8 M66
Growth of Ulmus laevis and Fraxinus excelsior seedlings in relation to length of flooding. (Bel) Nestsiarovich, M D; Dziaruhina, T F *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 5-9. 1975

035657 99.8 F768
A quick and data-poor approach to evaluating precommercial thinning [Pinus contorta latifolia]. Porterfield, R L; Schweitzer, D L *J For* 73 (12): 771-773. Dec 1975

035658 99.8 F768
Prescribed burning: prescribed fire is a practical, inexpensive form of fuel management. Cooper, R W *J For* 73 (12): 776-780. Dec 1975

035659 99.8 J82
Treatment of woods in the chestnut [Castanea] region of thecanton of Ticino. (Ita) Leibundgut, H *J For Suisse* 126 (10): 750-759. Oct 1975

035660 99.8 N62
Root formation in poplar [Populus nigra] cuttings: the effect of the leaf on root formation. Ohta, K; Furukawa, A *J Jap For Soc* 57 (12): 420-424. Ref. Dec 1975

035661 105.2 OR3
Annual research with larch [Larix, culture]. (Dut) Westra, J J *Landbouwkd Tijdschr* 87 (1): 2-6. Jan 1975

035662 105.2 OR3
Forest thinning and tree acreage. (Dut) Meiden, H A van der *Landbouwkd Tijdschr* 87 (2): 32-39. Ref. Feb 1975

035663 99.8 L5622
Long-term storage of seeds of Haloxylon aphyllum. (Rus) Smurova, M V *Lesn Khoz* 12: 63-65. Dec 1975

035664 99.8 L5622
Mechanized flow line for culture of planting stock [Silviculture]. (Rus) Gerasimov, M V *Lesn Khoz* 12: 87-88. Dec 1975

035665 99.8 L5622
On procedures for accelerating the growth and development of forest plants. (Rus) Fedorov, A K *Lesn Khoz* 12: 62-63. Dec 1975

035666 99.8 L5622
Organization of labor in silviculture brigades. (Rus) Ovchinnikov, L V *Lesn Khoz* 12: 27-28. Dec 1975

035667 99.8 L5622
Picea culture under the forest canopy. (Rus) Griazev, E N *Lesn Khoz* 12: 58-60. Dec 1975

035668 99.8 L5622
The effect of silvicultural methods of establishing pine stads on their growth. (Rus) Akhmerov, A M *Lesn Khoz* 12: 49-50. Dec 1975

035669 99.8 IZ8
Breeding [program] characteristics of the Gritsevolia Pine Forest Reserve. (Rus) Bozhok, A A *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 152-153. 1975

035670 99.8 IZ8
Preserving the planting qualities of pine seeds relative to duration of tapping [Silviculture]. (Rus) Paramonov, E G *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 153-157. 1975

035671 99.9 W262
Norway spruce [Picea abies] cultivation in the Baltic Province. (Pol) Kowalski, M; Zareba, R *Lesnictwo (Warsz)* 21: 31-40. Ref. Eng. Sum. 1975

035672 SD1.L44
The status, economic indices and ways of improving production of planting stock in the Ukraine [Silviculture]. (Rus) Prokhvatilov, IU F; Gaplevskii, B P *Lesovod Agrolesomelior* 41: 9-15. 1975

035673 99.8 M292
A brief assessment of the regeneration systems for hill forests in peninsular Malaysia. Tat, T H *Malay For* 37 (4): 263-270. Ref. Oct 1974 (Pub. Aug 1975)

035674 99.8 M292
Linear regeneration sampling in Peninsular Malaysia. *Malay For* 38 (1): 1-13. Jan 1975

035675 99.8 M292
Seeds for reforestation: a strategy for sustained supply of indigenous species. Ng, F S P *Malay For* 37 (4): 241-277. Oct 1974 (Pub. Aug 1975)

035676 105.1 G344
Studies of a teak (Tectona grandis L.) plantation in the Kinshasa region of Zaire. (Fre) Pieters, A; Maerschalk, J de *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1421-1462. Ref. Eng. Sum. 1974

035677 99.8 N28
Douglas fir [Pseudotsuga menziesii] IUFRO [International Union of Forestry Research Organizations] provenances in the Netherlands 1968-69 series. Nursery results. Kriek, W *Ned Bosbouw Tijdschr* 47 (3): 100-116. Maps. Mar 1975

035678 275.29 IO9PA
Christmas tree production in Iowa [Silviculture]. Wray, P H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 661, 5 P. Dec 1975

035679 275.29 IO9PA
Directory of Christmas tree producers in Iowa. Maynard, C; Wray, H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 668, 9 P. Map. Dec 1975

035680 275.29 IO9PA
Directory of Iowa nurseries that deal in forest tree stock. Maynard, C A; Wray, P H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 669, 6 P. Map. 1976?

035681 275.29 W27PN
Propagating deciduous and evergreen shrubs, trees, and vines with stem cuttings. Larsen, F E; Guse, W E; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 152, 11 P. Dec 1975

035682 SD1.C52
Proceedings of the Symposium of the Chinese Forestry Association on the selection of silvicultural species. (Chi) *Q J Chin For* 8 (2): 41-89. June 25, 1975

035683 SD103.N52A32
Nursery techniques in the savanna region of Nigeria [Forestry]. Jackson, J K *Res Pap Savanna For Res Stn* 32, 8 P. 1974

035684 99.9 F497
Afforestation of bogs after industrial exploitation of peat [Pinus, Alnus, foliar diagnosis]. (Fin) Mikola, P *Silva Fenn* 9 (2): 101-115 Ref. Eng. Sum. 1975

035685 SD1.S89
Seed orchards of forest wood species (review) [Seed production]. (Cze) Zavadil, Z *Stud Inf, Lesn* 1, 59 P. Ref. Eng. Sum. 1975

035686 99.8 SY52
Appraisal of recent results of the cultivation of Tsuga heterophylla Sarg. in Poland. (Pol) Tumilowicz, J; Michalak, K *Sylwan* 119 (7): 49-60. Ref. Eng. Sum. July 1975

035687 99.8 SY52
Development and crop bearing of larch (Larix decidua Mill.) strains in a clonal seed orchard in the Miedzylesie forest district. (Pol) Korczyk, A *Sylwan* 119 (4): 37-46. Ref. Eng. Sum. Apr 1975

035688 99.8 SY52
Directions of forest tree selection and status of its accomplishment in State Forests. (Pol) Tyszkiewicz, S; Kociecki, S *Sylwan* 119 (4): 31-36. Eng. Sum. Apr 1975

035689 99.8 SY52
Introduction of grand fir (Abies grandis Lindl.) to European forests. (Pol) Zajaczkowski, J *Sylwan* 119 (9): 68-72. Ref. Eng. Sum. Sept 1975

035690 99.8 SY52
Populus trichocarpa (Torr. Et Gray)—a poplar species little known in Poland. (Pol) Figaj, J; Stecki, Z *Sylwan* 119 (4): 63-66. Ref. Apr 1975

035691 99.8 SY52
Usefulness of [poplar] cuttings in the biological management of coal mine dumps [Afforestation]. (Pol) Harabin, Z; Strzyszcz, Z *Sylwan* 119 (9): 73-79. Sept 1975

035692 A99.9 F7632U
A Southwestern mixed conifer plantation—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. Jones, J R; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 148, 8 P. Ref. July 1975

035693 A99.9 F7625U
Response of western larch [Larix occidentalis] to changes in stand density and structure. Seidel, K W; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 258, 11 P. Sept 1975

035694 A99.9 F7652
Ponderosa pine seeding trials in west-side Sierra Nevada clearcuts: some early results. Neal, R L Jr; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)* 305, 8 P. 1975

FOREST INDUSTRIES

035695 100 W27A
Recession brown stain [Cytosora disease of Pinus ponderosa]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 2-3. Fall 1975

035696 99.8 AL53
Promoting Styria's wood market, official record of felled wood. (Ger) Hedenigg, W *Allg Forstztg* 86 (10): 308-309. Oct 1975

035697 99.8 AL53
Promoting the wood market in Styria. (Ger) Kupsky, G *Allg Forstztg* 86 (10): 307-308. Oct 1975

035698 99.8 AL53
Technical and economical aspects of mechanical delimbing and debarking [of trees]. (Ger) Pestal, E *Allg Forstztg* 86 (11): 334-335. Nov 1975

035699 100 AR42F
Fungi isolated from discolored asphalt roofing shingles. Tainter, F H; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 12. Sept/Oct 1975

035700 450 B52
Brown rot [Piptoporus betulinus] of [Betula] wood as a model for studies of lignocellulose humification. Rypacek, V; Rypackova, M *Biol Plant* 17 (6): 452-457. Ref. 1975

035701 99.8 B632
Movingui [Distemonanthus benthamianus, wood properties]. (Fre) *Bois Forets Trop* 162: 25-36. Ref. July/Aug 1975

035702 99.8 B632
Prospects for the development of timber preservation in the Ivory Coast. (Fre) Vergnet, L F *Bois Forets Trop* 162: 39-46. Eng. Sum. July/Aug 1975

035703 512 W262
A scanning electron microscope study of the structures of normal, tension and morphactin IT 3456 induced wood in Aesculus hippocastanum. Phelps, J E; McGinnes, E A Jr; Pieniazek, J; Saniewski, M; Smolinski, M *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 495-497. 1975

035704 99.9 EH3
On the strength properties of sugi wood (Cryptomeria japonica D. Don). (Jpn) Inose, O; Shibuya, M *Bull Ehime Univ For* 12: 77-88. Eng. Sum. Oct 1975

035705 99.9 EH3
Studies on the branch wood of sugi (Cryptomeria japonica D. Don). I. On the variation of tracheid length in the branches of 36 years old sugi. (Jpn) Fujisaki, K *Bull Ehime Univ For* 12: 37-46. Eng. Sum. Oct 1975

035706 99.9 EH3
The noise of chainsaw. III. Calculating method of the protection provided by the hearing protector and the noise control criterion. (Jpn) Fushimi, T; Ezaki, T *Bull Ehime Univ For* 12: 29-36. Eng. Sum. Oct 1975

035707 99.9 EH3
Vibration of chainsaw in timber cross cutting. III. (Jpn) Fushimi, T; Ezaki, T; Aono, T *Bull Ehime Univ For* 12: 9-18. Eng. Sum. Oct 1975

035708 99.9 EH3
Vibration of chainsaw in timber cross cutting. IV. Protection provided by the vibration multi-isolating equipment. (Jpn) Fushimi, T; Ikeda, M *Bull Ehime Univ For* 12: 19-28. Eng. Sum. Oct 1975

035709 99.8 R47
A study on the prevention of vibration and noise of forest machines [logging equipment]: considerations mainly with relation to improvement of forest operations. (Jpn) Ishii, K; Tsuji, T *Bull Gov For Exp Stn (Tokyo)* 275: 37-126. Ref. Aug 1975

035710 99.8 R47
The properties of tropical woods. 21. Evaluation of the wood properties and wood processing suitabilities of timbers from Southeast Asia and the Pacific regions. (Jpn) *Bull Gov For Exp Stn (Tokyo)* 277: 87-130. Ref. Oct 1975

035711 99.81 C16
Cariboo loggers grapple with rot, twist and boulders. *Can For Ind* 75 (11): 47-48. Nov 1975

035712 99.81 C16
Chipping [of logging residue] in the bush. McIntosh, J A; Johnson, L W *Can For Ind* 95 (10): 38-40. Oct 1975

035713 99.81 C16
Ever better boards from waste wood. Dempster, D *Can For Ind* 95 (10): 26-27, 29. Oct 1975

035714 99.81 C16
Logging practices under attack in Okanagan Valley. Overend, M *Can For Ind* 75 (11): 37-39. Nov 1975

035715 99.81 C16
Recovering more fibre with composite plywood. McKean, H B; Snodgrass, J D; Saunders, R J *Can For Ind* 75 (11): 41-43. Nov 1975

035716 470 C16C
Microfibrils in primary and secondary wall growth develop trellis configurations [Wood cells]. Boyd, J D; Foster, R C *Can J Bot* 53 (23): 2687-2701. Ref. Dec 1, 1975

035717 385 C172
Polysaccharides from the bark of the white wiliow (Salix alba L.): structure of an arabinan. Karacsonyi, S; Toman, R; Janecek, F; Kubackova, M *Carbohydr Res* 44 (2): 285-290. Ref. Nov 1975

035718 385 C172
Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the acid-catalyzed pyrolysis of cellulose and 1,6-anhydro-beta-d-gluco-pyranose (levoglucosan). Broido, A; Evett, M; Hodges, C C *Carbohydr Res* 44 (2): 267-274. Ref. Nov 1975

035719 302.9 EN8
Economic and social aspects of paper consumption [in Italy from 1951 to 1974]. (Ita) D'Alessandris Teresi, R *Cellul Carta* 26 (7/8): 3-24. Eng. Sum. July/Aug 1975

035720 302.9 EN8
The paper sector in the European Economic Community and the European Free Trade Association. I. Pulps for paper [Trade and economic aspects, Europe, United States,. (Ita) Teresi, R *Cellul Carta* 26 (3): 3-31. Eng. Sum. Mar 1975

035721 QD321.C4
Axial and lateral order of regenerated cellulose fibres. Paracrystalline condition of cellulose. (Ger) Haase, J; Hosemann, R; Renwanz, B *Cellul Chem Technol* 9 (5): 513-527. Eng. Sum. Sept/Oct 1975

035722 QD321.C4
Comparative study on cellulose reaction and on structure modifications of amylose. (Rus) Nazarina, L A; Galbraich, L S; Rogovin, Z A; Zhbankov, R G; Kulakov, V A; Firsov, S P *Cellul Chem Technol* 9 (5): 529-546. Ref. Eng. Sum. Sept/Oct 1975

035723 QD321.C4
Considerations on cellulose crystallinity. (Ger) Jayme, G *Cellul Chem Technol* 9 (5): 477-492. Ref. Eng. Sum. Sept/Oct 1975

035724 QD321.C4
Degradation of cellulose by gamma-ray-irradiation. Sakurada, I; Kaji, K; Okada, T; Tsuchiya, A *Cellul Chem Technol* 9 (5): 503-511. Ref. Sept/Oct 1975

035725 QD321.C4
Formation and supramolecular structure of bacterium cellulose. (Ger) Correns, E; Purz, H J *Cellul Chem Technol* 9 (5): 449-469. Ref. Eng. Sum. Sept/Oct 1975

035726 QD321.C4
Hemicelluloses precipitated from steeping liquor in the viscose process used as additives in papermaking. Sihtola, H; Blomberg, L *Cellul Chem Technol* 9 (5): 555-560. Ref. Sept/Oct 1975

035727 QD321.C4
In homage to professor Herman Francis Mark on his 80th birth anniversary [Polymer chemists, cellulose, United States]. *Cellul Chem Technol* 9 (5): 441-444. Sept/Oct 1975

035728 QD321.C4
Investigations into the influence of fiber structure on heterogenous hydrolytic degradation of cellulose. (Ger) Magister, G; Loth, F; Philipp, B *Cellul Chem Technol* 9 (5): 471-476. Eng. Sum. Sept/Oct 1975

035729 QD321.C4
Long periods in native and regenerated celluloses. Schurz, J; John, K *Cellul Chem Technol* 9 (5): 493-501. Ref. Sept/Oct 1975

035730 QD241.K453
Alkyl ferulates from the bark and wood of plants of the Pinaceae family. Leont'eva, V G; Gromova, A S; Lutskii, V I; Modonova, L D; Tyukavkina, N A *Chem Nat Compd* 10 (2): 244-245. Mar/Apr 1974 (Transl. 1975)

035731 T59.C6
The testing of wood preservatives. (Fre) Fougerousse, M *Courr Norm* 42 (242): 88-91. Mar/Apr 1975

035732 99.8 D23
Drying of water- and sprinkler-stored beech [Fagus]. (Dan) Dalgas, K F; Moltesen, P *Dan Skovforen Tidsskr* 60 (4): 259-278. Ref. Eng. Sum. 1975

035733 99.8 D23
Long time storage of beech [Fagus] logs under water sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. (Dan) Dalgas, K F; Moltesen, P; Koch, J *Dan Skovforen Tidsskr* 60 (2): 141-199. Ref. Eng. Sum. 1975

035734 99.8 D23
Some wood quality properties of Danish grown grand fir [Abies grandis] and Norway spruce [Picea abies]. (Dan) Dalgas, K F *Dan Skovforen Tidsskr* 60 (1): 1-24. Ref. Eng. Sum. 1975

035735 511 P444A
The composition of the essential oil from oak wood. (Rus) Egorov, I A; Pisarnitskii, A F; Zinkevich, E P; Gavrilov, A I *Dokl Akad Nauk SSSR* 224 (4): 968-970. Ref. 1975

035736 99.8 ER22
Improving the efficiency of timber utilization by rationalizing the structure of consumption. (Hun) Tusa, G *Erdo* 24 (11): 517-524. Nov 1975

035737 99.8 ER22
Latest on the study of the organic material of Pinus sylvestris and Pinus nigra stands for industrial uses. (Hun) Solymos, R *Erdo* 24 (9): 411-415. Eng. Sum. Sept 1975

035738 99.8 ER22
Price level and the trend in price of timber and products of the wood industry. (Hun) Feszler, L *Erdo* 24 (11): 497-502. Nov 1975

035739 99.8 ER22
Utilization of all the parts of exploited timber. (Hun) Zagoni, I *Erdo* 24 (11): 524-525. Nov 1975

035740 SD1.F3
The sale of the odd tree. Lynn, R F *Farm For* 17 (3): 82-83. Sept 1975

035741 TS1540.A1F5
Determination of modulus of elasticity of wood from vibrating reed measurements. Vafai, A; Farshad, M; Ahmadieh, A *Fibre Sci Technol* 9 (1): 1-10. Jan 1976

035742 99.8 F7623
Slope instability in relation to timber harvesting in the Chilliwack Provincial Forest. Ballard, T M; Willington, R P *For Chron* 51 (2): 59-62. Maps. Ref. Apr 1975

035743 99.9 F7662J
Commodity hedging in lumber and plywood [future]. Olmedo, J P Jr *For Prod J* 25 (12): 13-16. Dec 1975

035744 99.9 F7662J
Compression strength adjustments for moisture in commercial Douglas-fir [Pseudotsuga menziesii] plywood. Bholen, J C *For Prod J* 25 (12): 26-31. Ref. Dec 1975

035745 99.9 F7662J
Effect of three species of logging slash [from Populus tremuloides, Pinus banksiana, and Picea mariana]. Boehner, A W; Gertjejansen, R O *For Prod J* 25 (12): 36-42. Dec 1975

035746 99.9 F7662J
Experiences with a wood foundation [Construction materials]. Percival, D H *For Prod J* 25 (12): 32-35. Ref. Dec 1975

035747 99.9 F7662J
Hedging strategies in the lumber futures market. Kingslien, H K *For Prod J* 25 (12): 16-18. Dec 1975

035748 99.9 F7662J
Sawing pattern effect on warp loss of hard maple [Acer saccharum] dimension stock. Pnevmaticos, S M; Flann, I B; Whittaker, J *For Prod J* 25 (12): 43-48. Dec 1975

035749 99.9 F7662J
Scanning electron microscopy: a practical tool in wood technology. Parham, R A *For Prod J* 25 (12): 19-25. Ref. Dec 1975

035750 SD1.F66
Anatomical structure of lumbang [Aleurites moluccana] as regards wooliness in veneer manufacture. Alonzo, D S; Lopez, F R; Valmonte, A D *Forpride Dig* 3 (3/4): 71. Sept/-Dec 1974

035751 SD1.F66
Differences between logs and timbers. Lopez, F R; Meniado, J A; De Vela, B C *Forpride Dig* 3 (3/4): 8-9. Sept/Dec 1974

035752 SD1.F66
Fiber dimensions of some Philippine woods. Tavita, Y; Palisoc, J; Villavelez, L *Forpride Dig* 3 (3/4): 66. Sept/Dec 1974

035753 SD1.F66
Machining properties of malaruhat [Cleistocalyx operculatus]. Eala, R C *Forpride Dig* 3 (3/4): 64-65. Sept/Dec 1974

035754 SD1.F66
Performance of [wood] roof trusses with metal-plate connectors. Siopongco, J O; Mangahas, A G *Forpride Dig* 3 (3/4): 44-50. Sept/Dec 1974

035755 SD1.F66
Pointers in logging and sawmilling malabayabas [Dipterocarpus grandiflorus, Tristania decorticata] for railways ties. Decena, A S; De la Cruz, R Z; Sibayan, D V *Forpride Dig* 3 (3/4): 72-75. Sept/Dec 1974

035756 SD1.F66
Properties of mixed pulps. Bautista, C Q *Forpride Dig* 3 (3/4): 23-35. Ref. Sept/Dec 1974

035757 SD1.F66
Recommended limiting spans for rafters made from graded timber [Dipterocarpus]. Espeloy, E B Jr *Forpride Dig* 3 (3/4): 59-60. Sept/Dec 1974

035758 SD1.F66
Service life of creosoted apitong [Dipterocarpus] and othertimber species as railway ties for 10 years. Mosteiro, A P *Forpride Dig* 3 (3/4): 63. Sept/Dec 1974

035759 SD1.F66
Strength properties of lanipau [Terminalia copelandii, wood]. Clauna, M S; Medrano, R N *Forpride Dig* 3 (3/4): 60-62. Sept/Dec 1974

035760 SD1.F66
The woods of Philippine Anacardiaceae (Genera Buchanana, Parishia and Pistacia). Lomibao, A; Meniado, A *Forpride Dig* 3 (3/4): 69-70. Sept/Dec 1974

035761 SD1.F66
Wood of the 'Palosapis' group [Anisoptera]. America, W M *Forpride Dig* 3 (3/4): 67-68. Sept/Dec 1974

035762 99.81 H74
Concrete with wooden particles. (Ger) Cziesielski, E *Holz Roh Werkst* 33 (8): 303-307. Eng. Sum. Aug 1975

035763 99.81 H74
Economy of high frequency-preheating chip mats in particle board production. (Ger) Koschke, E *Holz Roh Werkst* 33 (8): 297-302. Eng. Sum. Aug 1975

035764 99.81 H74
Some problems in joining wood based boards with other materials. (Ger) Deppe, H J *Holz Roh Werkst* 33 (8): 313-319. Ref. Eng. Sum. Aug 1975

035765 99.8 H744
Comparative analysis of the standard testing method for determining the fungal-decay resistance of wood preservatives to Basidiomycetes in the mamber countries of the Council for Mutual Economic Assistance. I. (Ger) Wazny, J *Holztechnologie* 16 (4): 229-235. Ref. Eng. Sum. Dec 1975

035766 99.8 H744
Complex utilization of wood raw material in Czechoslovakia. (Ger) Perlac, J *Holztechnologie* 16 (4): 225-228. Eng. Sum. Dec 1975

035767 99.8 H744
Dry barking of birch pulpwood by drum bark stripping machines. (Ger) Blossfeld, O; Mannigel, O; Wonka, R *Holztechnologie* 16 (4): 206-209. Eng. Sum. Dec 1975

035768 99.8 H744
Forced oscillations and resonant oscillations of circular saw blades for log conversion. 3. Resonant speed of unsymmetric oscillations. (Ger) Strzelecki, A *Holztechnologie* 16 (4): 240-242. Eng. Sum. Dec 1975

035769 99.8 H744
On the behaviour of the coefficient of static friction under vibration [Wood cutting]. (Ger) Noguchi, M; Fujiwara, K; Maeda, M; Sugihara, H *Holztechnologie* 16 (4): 199-206. Eng. Sum. Dec 1975

035770 99.8 H744
Quantitative determination of the creosote content in preserved wood. (Ger) Komora, F *Holztechnologie* 16 (4): 195-199. Eng. Sum. Dec 1975

035771 99.8 H744
Red lauan [Shorea negrosensis]—a new species of wood for use in the furniture industry. (Ger) Wagenfuhr, R *Holztechnologie* 16 (4): 236-239. Eng. Sum. Dec 1975

035772 99.8 H744
The importance of solving the problems with dividing cut of logs for the sawn wood industry in the German Democratic Republic. (Ger) Fischer, K; Hofmann, M; Landmesser, W; Otto, H; Kowalewitz, D *Holztechnologie* 16 (4): 222-224. Eng. Sum. Dec 1975

035773 99.8 H744
The strength of various furniture constructions, of their components and fasteners. I. (Ger) Bachmann, G; Hassler, W *Holztechnologie* 16 (4): 210-221. Ref. Eng. Sum. Dec 1975

035774 99.9 IN824
A burned wood specimen from an archaeological excavation in Jerusalem. Fahn, A *IAWA Bull (Int Assoc Wood Anat)* 2: 23-24. 1975

035775 99.9 IN824
On the polylamellate structure of parenchyma wall in PHyllostachys edulis Riv. Parameswaran, N; Liese, W *IAWA Bull (Int Assoc Wood Anat)* 4: 57-58. 1975

035776 99.9 IN824
Ray tissue percentages in wood of Yugoslavian hardwoods. Petric, B; Scukanec, V *IAWA Bull (Int Assoc Wood Anat)* 3: 43-44. Ref. 1975

035777 99.9 IN824
Simple to scalariform combination perforation plates in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) [Wood anatomy]. Butterfield, B G; Meylan, B A *IAWA Bull (Int Assoc Wood Anat)* 3: 39-42. 1975

035778 99.9 IN824
Terminology used for describing the cambium [Wood anatomy]. Butterfield, B G *IAWA Bull (Int Assoc Wood Anat)* 1: 13-14. 1975

035779 99.9 IN824
The presence of biseriate rays in fir (Abies alba Mill.) [Wood anatomy]. Kucera, L; Bosshard, H H *IAWA Bull (Int Assoc Wood Anat)* 4: 51-56. 1975

035780 100 IL64
Drying lumber in the home freezer. Walters, C S; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 10-11. Fall 1975

SF95.W3 1975
Cellulosic wastes—feed or fibre. Elgee, H *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 67-85. 1975

SF95.W3 1975
Forest products as commercial feed. Stone, J *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 194-205. 1975

035781 SD13.F64
Alternative methods for logging steep slopes in the Nelson Forest District of British Colombia. Wellburn, G V *Inf Rep FMR-X For Manage Inst Can For Serv* 76, 71 P. Maps. Mar 1975

035782 309.9 J96
Analysis of Spanish cork exports compared with the corresponding Portuguese exports. (Por) *Inst Prod Florestais Cortica* 37 (437): 51-56. (Continued) Mar 1975

035783 309.9 J96
Analysis of Spanish cork exports compared with the corresponding Portuguese exports. (Por) *Inst Prod Florestais Cortica* 37 (436): 27-32. (Continued) Feb 1975

035784 309.9 J96
Cork chemistry. XXIII. Investigations on triterpenoids. (Por) Ribas-Marques, I; Fernandez-Salgado, J *Inst Prod Florestais Cortica* 37 (436): 35-38. Ref. Feb 1975

035785 309.9 J96
Cork stoppers. (Por) Fernandes, D L V *Inst Prod Florestais Cortica* 37 (441): 145-152. (Concluded) Eng. Sum. July 1975

035786 309.9 J96
Cork terminology. (Por) Santos, J B dos *Inst Prod Florestais Cortica* 37 (440): 125-126. June 1975

035787 309.9 J96
Improvement of cork quality through better methods of exploitation. (Por) *Inst Prod Florestais Cortica* 37 (438): 73-77. Eng. Sum. Apr 1975

035788 309.9 J96
Report on a [wine] bottling test made by the Tempio Pausania cork experimental station (Italy) [Leakage]. (Por) Lissia, F *Inst Prod Florestais Cortica* 37 (440): 127-128. June 1975

035789 20 M57AG
Joint solution of problems of complex mechanization of forest tasks. (Ger) Larjuchin, G *Int Z Landwirtsch* 6: 702-705. 1975

10 J822
Seasonal variations in the composition of Pinus halepensis and Pinus sylvestris twigs and needles essential oil. Zafra, M; Garcia-Peregrin, E *J Agric Sci (Camb)* 86 (1): 1-6. Ref. Feb 1976

035790 385 Z64AE
Kinetics of the alkaline degradation of different types of [cotton and wood] cellulose on treatment with highly concentrated alkali solution. Orlovskaya, G M; Bytenskii, V YA *J Appl Chem USSR* 48 (4, Pt. 2): 899-901. Apr 1975

035791 SB436.J6
Alternate uses of wood chips. Swisher, B E *J Arboric* 2 (1): 13-16. Jan 1976

035792 99.8 N62
How to estimate the maximum load of the logging wheel-type tractor. (Jpn) Shishiuchi, M *J Jap For Soc* 57 (12): 436-439. Eng. Sum. Dec 1975

035793 11 L236
New Norwegian lightweight saw [Logging]. (Nor) *Landbrukstidende* 81 (39): 838. Sept 27, 1975

035794 99.82 L56
Calculating the stream rate of flow-formers [Hydraulics, logging rafts]. (Rus) Zamashchikov, B I *Lesn Prom St'* 12: 23-24. Dec 1975

035795 99.82 L56
Determining basic parameters of logs collectors [before floating]. (Rus) Aksianov, A A *Lesn Prom St'* 12: 21-22. Dec 1975

035796 99.82 L56
Effectiveness of using R24-type rails [Logging, transport]. (Rus) Belousov, B A *Lesn Prom St'* 12: 15-16, 20. Dec 1975

035797 99.82 L56
Improving operations of equipping secondary log-storage depots. (Rus) Smirnov, V IA *Lesn Prom St'* 12: 13-14. Dec 1975

035798 99.82 L56
Improving the technology of alpine logging. (Rus) Popov, N N *Lesn Prom St'* 12: 30-31. Dec 1975

035799 99.82 L56
Optimizing the capacity of a round-wood storage facility. (Rus) Red'kin, A K *Lesn Prom St'* 12: 22-23. Dec 1975

035800 99.82 L56
Processing logs on the Volga. (Rus) Lavrov, N I; Rogulin, V G *Lesn Prom St'* 12: 11-12. Dec 1975

035801 99.82 L56
Ways of increasing productivity of semi-automatic lines [Sawmills]. (Rus) Vasil'ev, G M *Lesn Prom St'* 12: 9-11. Dec 1975

035802 99.8 IZ8
Automated control of the precision of frame sawing. (Rus) Fergin, V R; Kuritsyn, A K *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 138-141. 1975

035803 99.8 IZ8
Calculating temperature criteria and determining temperature field in the pyrolysis of pulverized wood. (Rus) Atroshko, V V; Zaitsev, V M; Piialkin, V N; Slavianskii, A K *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 107-111. Ref. 1975

035804 99.8 IZ8
Changes in chemical composition of wood relative to high-temperature drying. (Rus) Potutkin, G F; Shiriaeva, L V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 127-129. 1975

035805 99.8 IZ8
Density of wood and weight productivity of birch stands in Leningrad Region. (Rus) Poluboiarinov, O I; Davidov, G M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 14-18. Ref. 1975

035806 99.8 IZ8
Determining total radial reactions to wheels of the logging truck, including hardness of suspension and tires. (Rus) Marchenko, P F *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 53-58. 1975

035807 99.8 IZ8
Effect of excess hydraulic pressure on yield and composition of water-soluble substances extracted from larch wood. (Rus) Antonovskii, S D; Chochieva, M M; Avakian, N D; Bichevaia, L P *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 116-121. 1975

035808 99.8 IZ8
Effect of roughness of the front edge of cutters on striking strength of cutting elements [Wood processing]. (Rus) Dem'ianovskii, K I; Shashkova, N V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 101-104. 1975

035809 99.8 IZ8
Frame displacement and deformation of frame saws. (Rus) Borovikov, E M; Mil'chenko, I V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 81-86. 1975

035810 99.8 IZ8
Loading railroad freight cars with various lumber products. (Rus) Musikhin, G P *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 148-151. 1975

035811 99.8 IZ8
On improving the methodology of determining parameters of vertical vibration of logging trailer-trains. (Rus) Zhukov, A V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 46-53. 1975

035812 99.8 IZ8
On reducing the density of fiberboard by the dry production method. (Rus) Leonovich, A A *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 161-163. 1975

035813 99.8 IZ8
On the dynamic activity of the MAZ-509 logging truck on tract surface of ferroconcrete slabs [Forest roads]. (Rus) Korovkin, R L; Buriak, E S *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 62-68. 1975

035814 99.8 IZ8
On the effect of the speed of lengthwise-displaced sawlogs on parameters of power sorting. (Rus) Kaliteevskii, R E; Ogurtsov, V V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 134-138. 1975

035815 99.8 IZ8
On the problem of selecting a calculation system for a bundle of logs in studying the vertical vibrations of skidder tractors. (Rus) Bilyk, B V; Peretiatko, B T *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 40-46. 1975

035816 99.8 IZ8
Physicochemical properties of black liquors from sulfate cooking of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. (Rus) Nepenin, IU N; Kovalev, V E; Beigel'man, A V; Nekrasova, V B; Nikiforova, N A *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 124-127. 1975

035817 99.8 IZ8
Physico-mechanical properties of the wood of Alnus barbata C.a.m. (Rus) Gorbenko, A F; Kur'ianova, T K *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 160-161. 1975

035818 99.8 IZ8
Radiometric gamma-defectoscope for observing internal rots in logs in the technological flow-line. (Rus) Eremeev, IU I; Karmadonov, A N; Kiselev, A N; Litovchenko, IU I; Mozyrin, A V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 68-73. 1975

035819 99.8 IZ8
Spectrophotometric study of alkylation of sodium xanthogenate of cellulose by dimethylsulfate. (Rus) Vaisburd, A A; Malyshevskaia, K A; Finkel'shtein, A V; Pil'nikova, N I *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 112-115. 1975

035820 99.8 IZ8
Stabilizing wood modified with urea. (Rus) Shamaev, V A; El'kov, L V; Popova, N I *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 97-101. 1975

035821 99.8 IZ8
Study of changes in tension of skylines of timber transport cable installations during operation. (Rus) Matiishin, N V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 59-62. 1975

035822 99.8 IZ8
Study of forces in relation to shaving-less wood cutting. (Rus) Mazurkin, P M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 86-89. 1975

035823 99.8 IZ8
Study of the nature of glue joints of wood. (Rus) Movnin, M S; TSoi, IU I *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 74-77. 1975

035824 99.8 IZ8
Testing for aging in glue joints of modified wood. (Rus) Khrulev, V M; Zaburunov, V A; Shutov, G M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 77-81. 1975

035825 99.8 IZ8
The effect of moisture on long-term strength of wood. (Rus) Ivanov, IU M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 90-97. Ref. 1975

035826 99.8 IZ8
Use of a modified method for determining methoxyl groups in lignin preparations. (Rus) Gel'fand, E D; Tushina, L F *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 163-164. 1975

035827 99.8 IZ8
Use of increased radial areas relative to sawing larch wood by the method of sawing through and through without first slabbing. (Rus) Mineev, A V *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 104-106. 1975

035828 99.9 W262
Analysis of weight distribution for a log on undersling device and on the ground in the process of semi-undersling skidding. (Pol) Wiesik, J *Lesnictwo (Warsz)* 21: 121-131. Eng. Sum. 1975

035829 99.9 W262
Quality and technical usefulness of wood harvested in the course of late cleaning [in young forest stands]. (Pol) Kaminski, E *Lesnictwo (Warsz)* 21: 149-166. Eng. Sum. 1975

035830 99.9 W262
Tentative appraisal of losses caused by insect, technical pests of wood, in the Hajnowka woodworking installations. (Pol) Poskrobko, B *Lesnictwo (Warsz)* 21: 99-102. Eng. Sum. 1975

035831 99.9 W262
Testing of Polish made carburetors for PS-90 power saws. (Pol) Botwin, J *Lesnictwo (Warsz)* 21: 115-119. Eng. Sum. 1975

035832 99.8 M292
Logging and log transportation in the peat swamp forests of Sarawak, Malaysia. Letourneau, L R *Malay For* 38 (1): 24-32. Jan 1975

035833 99.8 M292
Preliminary studies on some Malaysian timbers for plywood manufacture. 10. Keranji (Dialium platysepalum). Chik, E A R bin; Ngok, W C *Malay For* 38 (1): 17-23. Jan 1975

035834 TA401.M32
Yearly settlement of Bankia setacea (Tryon) at five British Columbia localities since 1961 [Pests of wood]. Bohn, A *Mater Org* 10 (2): 155-159. Map. 1975

035835 514 N482
Extractives of New Zealand Nothofagus species. 1. Petroleum ether solubles. [Wood]. Lloyd, J A *N Z J Sci* 18 (2): 221-226. Ref. June 1975

035836 45.8 N21N
Artificial insemination of sheep. Swanson, V B; Pexton, J E *Natl Wool Grow* 65 (12): 17. Dec 1975

035837 472 N21
Amino acids in modern and fossil woods. Lee, C; Bada, J L; Peterson, E *Nature* 259 (5540): 183-186. Ref. Jan 22, 1976

035838 472 N21
Palaeotemperatures from tree rings and the D/H [deuterium/hydrogen] ratio of cellulose as a biochemical thermometer [Pinus radiata]. Wilson, A T; Grinsted, M J *Nature* 257 (5525): 387-388. Oct 2, 1975

035839 474 N213
Sugar form paper filters [Lignin research]. (Ger) Przyklenk, M; Fengel, D *Naturwissenschaften* 62 (12): 575. Dec 1975

035840 99.8 N28
Some experiences with two processing machines [for clearing windthrown timber]—BM Volvo SM 880 and Logma T 310. (Dut) Leek, N A *Ned Bosbouw Tijdschr* 47 (9): 224-232. Eng. Sum. Sept 1975

035841 99.82 N81
Bark combustion plant at Folla Fabrikker. (Nor) Hoistad, J *Nor Skogind* 29 (9): 223-227. 1975

035842 99.82 N81
Combustion of bark for flash drying plants. (Nor) Viken, N *Nor Skogind* 29 (9): 220-222. 1975

035843 99.82 N81
Difficult market situation today—but good long range perspectives [Forest products]. (Nor) Lindseth, R *Nor Skogind* 29 (9): 217. 1975

035844 302.8 P1991
Control of the dimensions and moisture content of sawn timber. Juvonen, R *Pap Puu* 57 (12): 863-868. Dec 31, 1975

035845 302.8 P1991
Factors affecting the quality of [sawn timber] finger joints manufactured in commercial jointing machines. Froblom, J *Pap Puu* 57 (12): 877-880, 883-885. Dec 31, 1975

035846 302.8 P1991
Surface smoothness measurement of sawn timber. Usenius, A *Pap Puu* 57 (12): 871-875. Dec 31, 1975

035847 421 P882
Recent professional literature for the wood preservation expert. (Ger) Becker, H *Prakt Schadlingsbekampf* 27 (12): 162-163. Dec 1975

035848 275.29 M68EXT
Forest products buyers and sellers guide [Directories]. Parker, R C; Tissue, O C Jr; Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 909, 131 P. July 1975

035849 302.8 P96
Full forest utilization. II. Quality and kraft pulp yield of eastern Canadian hardwoods. Hunt, K; Hatton, J V *Pulp & Pap Can* 76 (11): 97-102. Ref. Nov 1975

035850 302.8 P96
A review of thermo-mechanical pulping. Leask, R *Pulp & Pap Mag Can* 76 (10): 52-60. Ref. Oct 1975

035851 302.8 P96
Atmospheric and pressurized refining of wood chips—laboratory scale studies. Kalisch, J H; Lawford, W H; Tombler, G *Pulp & Pap Mag Can* 76 (10): 45-50. Oct 1975

035852 302.8 P96
Chemical factors affecting groundwood brightness. Styan, G E *Pulp & Pap Mag Can* 76 (12): 88-90. Ref. Dec 1975

035853 302.8 P96
FMC 200bg helps tackle steep slopes of Kootenays [Logging equipment]. Overend, M *Pulp & Pap Mag Can* 76 (10): 61-63. Oct 1975

035854 302.8 P96
Forest industries and chemical engineers. Keays, J *Pulp & Pap Mag Can* 76 (12): 69-40. Dec 1975

035855 302.8 P96
How hardwoods respond to H2S [hydrogen sulfide] pretreatment kraft pulping. Procter, A R; Mohr, K A *Pulp & Pap Mag Can* 76 (10): 103-106. Oct 1975

035856 302.8 P96
Simulation and the logging manager. Newman, L C *Pulp & Pap Mag Can* 76 (12): 105-110. Dec 1975

035857 302.8 P96
Single stage groundwood from a 12,000 hp [horsepower] refiner. Mills, C; Beath, L *Pulp & Pap Mag Can* 76 (12): 51-56. Dec 1975

035858 SD1.C52
Graft polymerization of wood fiber. (Chi) Huang, C S; Kao, C H; Kao, H Y *Q J Chin For* 8 (2): 10-20. Eng. Sum. June 25, 1975

035859 SD1.C52
1974 Annual meeting of the Chinese Forestry Association on recent wood supply and demand in Taiwan. (Chi) *Q J Chin For* 8 (2): 120-136. June 25, 1975

035860 385 US6AER
Microbiological degradation of lignin [Wood destroying fungi]. Grushnikov, O P; Antropova, O N *Russ Chem Rev* 44 (5): 431-447. Ref. May 1975

035861 470 SCI2
Renewable resources [wood] for the production of fuels and chemicals. Sarkanen, K V *Science* 191 (4228): 773-776. Ref. Feb 20, 1976

035862 470 SCI2
Timber: biological and economic potential. Spurr, S H; Vaux, H J *Science* 191 (4228): 752-756. Ref. Feb 20, 1976

035863 470 SCI2
Timber: more effective utilization. Jahn, E C; Preston, S B *Science* 191 (4228): 757-761. Feb 20, 1976

035864 99.9 V8142
Auto-stapled pallets [Wood construction]. Stern, E G *Spec Rep Va Polytech Inst State Univ Wood Res Wood Constr Lab* 139, 34 P. Dec 1975

035865 99.9 V8142
Contribution to behavior of deckboard-stringer joints to [wood] pallet performance, a pilot study. Mack, J J *Spec Rep Va Polytech Inst State Univ Wood Res Wood Constr Lab* 136, 12 P. May 1975

035866 99.9 V8142
Performance of 2 1/2" 15-gauge pas-kote [wooden] pallet staples. Stern, E G *Spec Rep Va Polytech Inst State Univ Wood Res Wood Constr Lab* 137, 14 P. June 1975

035867 99.9 V8142
Performance of 14-gauge Sencote staples [In lumber and wood-base products]. Stern, E G *Spec Rep Va Polytech Inst State Univ Wood Res Wood Constr Lab* 138, 20 P. July 1975

035868 99.8 SY52
Appraisal of the soundness of sorter estimates [Forest products, standards]. (Pol) Gasienica, J; Gil, W *Sylwan* 119 (7): 69-74. Eng. Sum. July 1975

035869 99.8 SY52
Determination of the number of vehicles to perform transportation tasks [of wood from forests to storage places]. (Pol) Kosicki, K *Sylwan* 119 (4): 25-30. Eng. Sum. Apr 1975

035870 99.8 SY52
Directions of the rationalization of roundwood grading rules in Poland. (Pol) Chudobiecki, J *Sylwan* 119 (9): 17-24. Eng. Sum. Sept 1975

035871 99.8 SY52
Production of roundwood and wood materials in world and in Poland during years 1961-1972. (Pol) Kaminski, E *Sylwan* 119 (9): 1-16. Eng. Sum. Sept 1975

035872 99.8 SY52
Technical properties and use of oak wood in Poland. (Pol) Krzysik, F *Sylwan* 119 (7): 1-10. Eng. Sum. July 1975

035873 99.8 SY52
Tentative determination of price for coniferous medium-sized wood for the production of lumber and industrial chips. (Pol) Skalecki, C; Krzyzanski, A; Strykowski, W *Sylwan* 119 (7): 21-30. Eng. Sum. July 1975

035874 302.8 T162
A new hydraulic principle for headboxes [Paper machines]. Dahl, H K; Weiss, H G *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 72-77. Nov 1975

035875 302.8 T162
A new screen for wastepaper systems. Hutzler, H *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 68-70. Nov 1975

035876 302.8 T162
A technique for measurement of wood-fiber deposits around pulp-mill outfalls. Jones, A A; Ellis, D V *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 147-148. Nov 1975

035877 302.8 T162
An improved edgewise compression test for linerboard [Corrugated fiberboard, containers]. Morris, R M Jr; Van Liew, G P *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 110-113. Nov 1975

035878 302.8 T162
Characterization and comparison of spent oxygen—alkali and soda pulping liquors. Mullen, P W; Erickson, M; Dence, C W *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 128-132. Ref. Nov 1975

035879 302.8 T162
Design aspects of manifold-type flow spreaders [Paper manufacture]. Trufitt, A D *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 144-145. Nov 1975

035880 302.8 T162
Economic considerations in storage and preservative treatment of southern pine chips. Springer, E L *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 145-146. Nov 1975

035881 302.8 T162
Effect of polyelectrolyte molecular weight and stock agitation on filler retention [Paper manufacture]. Arvela, P; Swanson, J W; Stratton, R A *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 86-89. Ref. Nov 1975

035882 302.8 T162
Increased linerboard pulp yield through sulfonation. Worster, H E; Pudek, M F *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 117-119. Nov 1975

035883 302.8 T162
Lignocellulose batteries: potential sources of stored electrical energy. Steelink, C; Wilkinson, A *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 146-147. Nov 1975

035884 302.8 T162
Projection of world demand and supply for wood fiber to the year 2000. Keays, J L *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 90-95. Ref. Nov 1975

035885 302.8 T162
Strength properties of corrugated [fiberboard] containers. Gartaganis, P A *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 102-108. Ref. Nov 1975

035886 296.9 T67
Timber frame housing. (Dan) Nielsen, F; Johansen, M *Trae Traebranchens Oplysningsrad* 25, 49 P. 1975

035887 451 B76
Microstructural and microchemical studies of wood decay of Casuarina equisetifolia by Fomes durissimus [Fungi]. Santra, S; Nandi, B *Trans Br Mycol Soc* 65 (3): 507-509. Dec 1975

035888 451 B76
Selective medium for the isolation of Serpula lacrimans [Fungi, cause of dry rot in construction wood]. Coggins, C R; Jennings, D H *Trans Br Mycol Soc* 65 (3): 488-491. Dec 1975

035889 A99.9 F7634U
Bowing in roof joists induced by moisture gradients and slope of grain [Wood]. Tuomi, R L; Temple, D M; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 262, 12 P. 1975

035890 A99.9 F7632US
Service life of treated and untreated Black Hills ponderosa pine fenceposts: a progress report. Markstrom, D C; Clark, D H; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 303, 4 P. Dec 1975

035891 ASD433.A53
Modern gum naval stores methods. Clements, R W; U.S. Southeastern Forest Experiment Station *USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn* 7, 29 P. Dec 1974

035892 A99.9 F7623UN
Pulpwood prices in the Southeast, 1974. Bellamy, T R; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 228, 3 P. Nov 1975

035893 A99.9 F7625UN1
Lumber recovery from large, highly defective, low grade coast Douglas-fir [Pseudotsuga menziesii]. Snellgrove, T A; Henley, J W; Plank, M E; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)* 197, 23 P. 1975

035894 TA419.W6
A note on light and electron microscopy studies of white pine [wood] exposed to marine [mollusk and crustacean] borer damage. McGinnes, E A Jr; Phelps, J E; Lieu, P J Y *Wood Fibre* 6 (3): 253-260. Ref. Fall 1974

035895 TA419.W6
A note on the protection of wooden beams exposed to an acidic, humid atmosphere [Pseudotsuga menziesii, wood]. Barton, G M; Hunt, K *Wood Fibre* 6 (3): 223-225. Fall 1974

TA419.W6
Chemical and physical properties of tumor-affected sitka spruce [Picea sitchensis]. Rickey, R G; Hamilton, J K; Hergert, H L *Wood Fibre* 6 (3): 200-210. Fall 1974

035896 TA419.W6
Comparison of exclusion values for lumber strength. Warren, W G *Wood Fibre* 6 (3): 237-241. Fall 1974

035897 TA419.W6
Development and composition of the [wood] warty layer in balsam fir [Abies balsamea]. II. Composition. Baird, W M; Johnson, M A; Parham, R A *Wood Fibre* 6 (3): 211-222. Ref. Fall 1974

035898 TA419.W6
Relative permeability and the gross pore structure of wood. Tesoro, F O; Choong, E T; Kimbler, O K *Wood Fibre* 6 (3): 226-236. Fall 1974

035899 TA419.W6
Some physical properties of birch carbonized in a nitrogen atmosphere [Betula, wood]. Moore, G R; Blankenhorn, P R; Beall, F C; Kline, D E *Wood Fibre* 6 (3): 193-199. Ref. Fall 1974

035900 TA419.W6
Strength and deformation of pitched-tapered Douglas-fir [Pseudotsuga menziesii] glued-laminated beams. Fox, S P *Wood Fibre* 6 (3): 242-252. Ref. Fall 1974

035901 TA419.W6
The birefringence of wood pulp fibres and the thickness of the S1 and S3 layers. Page, D H; el-Hosseiny, F *Wood Fibre* 6 (3): 186-192. Fall 1974

035902 TA419.W6
Workshop on fluid penetration in wood [Held at College of Environmental Science and Forestry, Syracuse, N. Y. November 12, 13, 1973]. Siau, J F *Wood Fibre* 6 (3): 261-265. Ref. Fall 1974

035903 99.82 M72
Quality control [of wood] and experimental designs. (Jpn) Nakashima, Y *Wood Ind* 30 (10): 467-471. Oct 1975

035904 SD433.A1W6
Automated quantitative analysis of wood carbohydrates by borate complex ion exchange chromatography. Sinner, M; Simatupang, M H; Dietrichs, H H *Wood Sci Technol* 9 (4): 307-322. Ref. 1975

035905 SD433.A1W6
Collapse phenomena in beechwood [Fagus sylvatica] during and after NH3 [anhydrous ammonia]-impregnation. Bariska, M *Wood Sci Technol* 9 (4): 293-306. Ref. 1975

035906 SD433.A1W6
Use of principal components, factor analysis and varimax rotation to describe variability in wood of Eucalyptus deglupta Blume. Davidson, J *Wood Sci Technol* 9 (4): 275-291. Ref. 1975

GENERAL PLANT SCIENCE

035907 450 AM35
The Benjamin D. Gilbert Fern Herbarium [Pteridophyta]. Tryon, R *Am Fern J* 65 (2): 60. Apr/June 1975

035908 105.4 P435
The "Book of Simples" by Giuseppe da Spello [Drug plants, history]. (Ita) Menghini, A; De Capite, L *Ann Perugia Univ Fac Agrar* 29: 163-186. Eng. Sum. 1974

035909 SD1.A68
Trees in botanic garden. 3. The botanic gardens of the Birmingham Botanical and Horticultural Society [England]. Butler, P R *Arboric Assoc J* 2 (9): 387-389. Sept 1975

035910 451 AR6BA
The tour of a botanist in China. Hu, S Y *Arnoldia* 35 (6): 264-295. Map. Nov/Dec 1975

035911 450 AU72
Partition of information [in plant sciences]: some formulae revisited. Orloci, L *Aust J Bot* 23 (6): 977-979. Dec 1975

035912 450 B622
Jakob Naustdal [Botanists]. (Nor) Moe, D *Blyttia* 33 (3): 121-123. 1975

035913 451 R923
About the ways, directions and evolutionary importance of the reduction of biological structures [Parasitic Angiospermae]. (Rus) Terekhin, E S *Bot Zh* 60 (10): 1401-1412. Ref. Eng. Sum. Oct 1975

035914 451 R923
The Botanical Institute of the USSR Academy of Sciences during the first year of the Great Patriotic War (To the memory of comrades-botanists killed in the war of 1941-1945). (Rus) Lavrenko, E M *Bot Zh* 60 (12): 1796-1813. Dec 1975

035915 451 R923
The herbarium of the All-Union Scientific Research Institute of Medicinal Plants. (Rus) Demidova, L S; Kuvaev, V B; Larionova, N A *Bot Zh* 60 (10): 1521-1524. Ref. Oct 1975

035916 QK73.K43B8
Botanical expedition to some areas in Sumatra. (Ind) Nasution, R E *Bul Kebun Raya* 2 (2): 55-60. Map. Eng. Sum. Aug 1975

035917 451 P383
Russo-United States botanical exchange in 1841; some material evidence [History]. Li, H L; Stanley, A F *Bull Morris Arbor* 26 (4): 51-56. Dec 1975

035918 450 EC7
Bush medicine in the Exumas and Long Island, Bahamas; a field study. Eldridge, J *Econ Bot* 29 (4): 307-332. Maps. Ref. Oct/-Dec 1975

035919 450 EC7
Early introduction of economic plants into New England. Rea, M A F *Econ Bot* 29 (4): 333-356. Ref. Oct/Dec 1975

035920 80 W41
"Our prime obligation is to teach, to educate and to act asa living reference library" says John Bryan, Strybing arboretum director. Kilner, R *Florists Rev* 157 (4075): 28-29, 73-74. Jan 8, 1976

SB1.H6
Plant introductions in the improvement of vegetable cultivars. Peterson, C E *Hortsci* 10 (6): 575-579. Ref. Dec 1975

035921 SB1.H6
The U.S. Plant introduction system. Skrdla, W H *Hortsci* 10 (6): 570-574. Map. Dec 1975

035922 442.8 M66
Seventieth birthday of Mikalai Uladzislavavich Smol'ski [Botanists, plant introduction]. (Bel) Nestsiarovich, M D; IUrkevich, I D; Sidarovich, IA A; Piatrouski, P IA *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 118-121. 1975

035923 Q183.L3
Portable growth cabinet for algae and other small plants. Clayton, M N; Kajtar, M *Lab Pract* 25 (1): 26-27. Jan 1976

035924 450 L33
A landfill botanic garden. Sarinana, A *LASCA Leaves (Los Ang State Cty Arbor)* 25 (4): 114-116. Dec 1975

035925 451 N48
Cryptogamae exsiccatae, an annotated bibliography of Exsiccatae of Algae, LIchenes, Hepaticae, and Musci. V. Unpublished exsiccatae. I. Collectors. Sayre, G *Mem N Y Bot Gard* 19 (3): 277-423. May 1, 1975

035926 450 N48
The original publication of Leonard Cockayne's "New Zealand Plants and Their Story". Thomson, A D *N Z J Bot* 13 (4): 807-809. Dec 1975

035927 61.9 AS7N
Bibliography [Plants, physiology, biochemistry, diseases, equipment, anatomy]. Kulik, M M *Newsl Assoc Off Seed Anal* 49 (4): 25-40. Nov 1975

035928 80 N81
The Botanical Garden of Oslo. (Nor) Lono, K *Nor Hagetid* 91 (12): 372-375. Dec 1975

035929 389.79 AM34
Seed identification. Gunn, C R *Off Proc Annu Meet Am Assoc Feed Microsc* 23d: 71-76. 1975

035930 80 OR172
Amateur, orchids and botany. Van Delden, R J *Orchid Dig* 39 (6): 211-214. Nov/Dec 1975

035931 505 SO14
Herbariums of Upper Normandy. (Fre) Potel, D; Lerond, M *Rev Soc Savantes Haute Normand* 72 (26): 25-34. Ref. 1973 (Pub. 1975)

035932 S13.S44
Reslts and prospects of scientific research at the All-Union Institute of Plant Industry. (Rus) Brezhnev, D D *S-kh Biol* 10 (2): 168-174. Mar/Apr 1975

035933 SB403.S7
The Botanical Garden of Saint Gall (Switzerland). (Ger) Baechi, S *Staudengarten* 2: 7-9. 1975

PLANT TAXONOMY AND GEOGRAPHY

035934 QK1.B32
Adelanthus decipiens (Hook.) Mitt. [Hepaticae], a new species for the Spanish flora. (Spa) Simo, R M; Vigon, E *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 23-26. 1975

035935 QK1.B32
Considerations on the area of distribution and ecology of Tortula desertorum Broth. in Spain. (Spa) Casas de Puig, C *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 3-13. Map. Ref. 1975

035936 QK1.B32
Cyclodictyon laete-virens (Hook. Et Tayl.) Mitt., a new species for the Spanish flora [Musci]. (Spa) Vigon, E *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 19-22. Map. Ref. 1975

035937 QK1.B32
Floristic notes. I. Cistus populifolius L., a new Catalan species, in the mountains of Prades and Serra del Pradell. II. Doronicum plantagineum L., a new Catalan species, in Puig Mollo (Coll d'Alforja). (Cat) Folch i Guillen, R; Velasco i Batlle, E; Brugues, M *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 17, 16 P. Maps. Ref. 1975

035938 QK1.B32
Some new or interesting lichens from the Sierra del Cabo de Gata (Almeria, southeastern Spain). (Fre) Llimona, X; Werner, R G *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 16, 32 P. Maps. Ref. Eng. Sum. 1975

035939 QK1.B32
1970 Spanish bryotheca [Bryophyta, distribution]. (Spa) *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 27-33. (Continued) 1975

035940 QK1.B32
1971 Spanish bryotheca [Bryophyta, distribution]. (Spa) *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 34-38. (Continued) 1975

035941 99.8 AL53
Practical use of pollen analysis [Forests]. (Ger) Kral, F *Allg Forstztg* 86 (11): 328-329. Nov 1975

035942 450 AM35
A new locality for Braun's Holly Fern [Polystichum braunii purshii] in Minnesota [Pteridophyta]. Green, J C; Engstrom, D R *Am Fern J* 65 (2): 61. Apr/June 1975

035943 450 AM35
A second collection of Psilotum nudum from Texas [Pteridophyta]. Lodwick, L N *Am Fern J* 65 (2): 62. Apr/June 1975

035944 450 AM35
A staghorn fern (Platycerium) hybrid [Pteriodophyta]. Hoshizaki, B J *Am Fern J* 65 (4): 99-101. Oct/Dec 1975

035945 450 AM35
Polypodium plumula in the Bahamas [Pteridophyta]. Correll, D S *Am Fern J* 65 (2): 63. Apr/June 1975

035946 450 AM35
Polypodium vulgare versus Polypodium virginianum in the eastern United States [Pteridophyta]. Beitel, J M *Am Fern J* 65 (2): 49-51. Ref. Apr/June 1975

035947 450 AM35
The ferns and fern-allies of Cocos Island, Costa Rica [Pteridophyta]. Diego Gomez P, L *Am Fern J* 65 (4): 102-104. Oct/Dec 1975

035948 450 AM35
The ferns of San Salvador Island [Pteridophyta]. Smith, R R *Am Fern J* 65 (2): 63. Apr/June 1975

035949 450 AM35
The spores and taxonomy of Isoetes butleri and Isoetes melanopoda [Pteridophyta]. Taylor, W C; Mohlenbrock, R H; Murphy, J A *Am Fern J* 65 (2): 33-38. Apr/June 1975

035950 450 AM35
Trichomanes petersii in Louisiana [Pteridophyta]. Allen, C M *Am Fern J* 65 (4): 97-98. Oct/Dec 1975

035951 450 AM35
Woodsia oregana new to Kansas [Pteridophyta]. Brooks, R E *Am Fern J* 65 (2): 62. Apr/June 1975

035952 450 AM36
Cellular slime molds [Dictystelium] of southeast Asia. I. Description of new species [Acytostelium subglobosum]. Cavender, J C *Am J Bot* 63 (1): 60-70. Ref. Jan 1976

035953 450 AM36
Cellular slime molds [Dictyostelium, Polysphondylium, Acytostelium] of southeast Asia. II. Occurrence and distribution. Cavender, J C *Am J Bot* 63 (1); 71-73. Jan 1976

035954 450 AM36
Cytogeographic evidence for the evolution of distyly from tristyly in the North American species of Oxalis section ionoxalis. Weller, S G; Denton, M F *Am J Bot* 63 (1): 120-125. Map. Ref. Jan 1976

035955 450 AM36
Morphology of Protosalvinia [Algae] from the upper Devonian of Ohio and Kentucky [Paleobotany]. Niklas, K J; Phillips, T L *Am J Bot* 63 (1): 9-29. Ref. Jan 1976

035956 450 AM36
The diatoms of Timpanogos Cave National Monument, Utah [Algae]. St Clair, L L; Rushforth, S R *Am J Bot* 63 (1): 49-59. Map. Ref. Jan 1976

035957 105.4 P435
High valley pastures of Menotre [Flora]. (Ita) Milletti, G; Bencivenga, M *Ann Perugia Univ Fac Agrar* 29: 229-274. Map. Ref. Eng. Sum. 1974

035958 105.4 P435
Medicinal flora of Mount Peglia (Umbria). (Ita) De Capite, L; Menghini, A *Ann Perugia Univ Fac Agrar* 29: 63-101. Map. Ref. Eng. Sum. 1974

035959 105.4 P435
Medicinal flora of Mount Malbe (Umbria). (Ita) De Capite, L; Menghini, A *Ann Perugia Univ Fac Agrar* 29: 123-161. Map. Ref. Eng. Sum. 1974

035960 105.4 P435
Quercus ilex L. Distribution in Umbria (Italy). (Ita) Menghini, A; De Capite, L *Ann Perugia Univ Fac Agrar* 29: 103-121. Ref. Eng. Sum. 1974

035961 439.8 AR2
Taxonomy of species Chlorella ultraquamata Clem. Et Fott and Chlorella fusca Shih. et Krauss [Algae]. (Ger) Fott, B; Lochhead, R; Clemencon, H *Arch Protistenkd* 117 (3): 288-296. Ref. 1975

035962 500 N215
Anegada Island: Vegetation and flora. D'Arey, W G *Atoll Res Bull* 188, 40 P. Maps. Ref. Aug 6, 1975

035963 500 N215
The natural history of Namoluk Atoll, eastern Caroline Islands, with identifications of vascular flora. Marshall, M; Fosberg, F R *Atoll Res Bull* 189, 66 P. Ref. Aug 6, 1975

035964 450 AU72
A surface-structural survey of some taxonomically diverse grass pollens. Watson, L; Bell, E M *Aust J Bot* 23 (6): 981-990. Ref. Dec 1975

035965 450 AU72
Geographical differences in leaf resin components of Eremophila fraseri F. Muell. (Myoporaceae) [from Australia]. Dell, B *Aust J Bot* 23 (6): 889-897. Maps. Ref. Dec 1975

QH301.C8
Some aspects of mitosis in primitive green algae: phylogeny and function. Stewart, K D; Mattox, K R *Bio Systems* 7 (3/4): 310-315. Ref. Nov 1975

035966 20 ER4
Carpologic-anatomical data on systematics of Caucasian species of Tripleurospermum Sch. Bip. (Rus) Khandzhian, N S *Biol Zh Arm* 28 (6): 70-75. Ref. June 1975

035967 20 ER4
Floristic finds in the Khusrov reserve. (Rus) Grigorian, M G *Biol Zh Arm* 28 (6): 92-94. June 1975

035968 450 B622
Key to the genus Salix L. In Norway. (Nor) Roer, H F; Elven, R *Blyttia* 33 (3): 151-194. Eng. Sum. 1975

035969 450 B622
The obligate macromycetes of sand dunes in Norway, with special regard to the occurrences on Lista, Vest-Agder county [Fungi]. (Nor) Hoiland, K *Blyttia* 33 (3): 127-140. Maps. Ref. Eng. Sum. 1975

035970 451 H262
Studies in the genus Oncidium. I. [New taxa]. Stacy, J E *Bot Mus Leafl Harv Univ* 24 (7): 133-191. Dec 12, 1975

035971 450 B6527
The succession of Australian pre-Tertiary megafossil floras. Gould, R E *Bot Rev* 41 (4): 453-483. Map. Ref. Oct/Dec 1975

035972 451 R923
A new species of the genus Saussurea [afghana] from Afghanistan. (Rus) Lipshits, S IU *Bot Zh* 60 (10): 1446-1447. Oct 1975

035973 451 R923
A species of Hepaticae, Southbya nigrella (De Not.) Spruce, new for the USSR. (Rus) Ladyzhenskaia, K I; Gaevaia, N V *Bot Zh* 60 (10): 1505-1509. Map. Ref. Oct 1975

035974 451 R923
About the systematic status of the genus Thalassiosira Cl. and the phylogeny of the family Thalassiosiraceae Lebour emend. Hasle (Bacillariophyta) [Algae]. (Rus) Makarova, I V *Bot Zh* 60 (10): 1413-1420. Ref. Eng. Sum. Oct 1975

035975 451 R923
Impressions of a trip to Yugoslavia in the sprng og 1974 [Flora]. (Rus) Goryshina, T K *Bot Zh* 60 (12): 1814-1822. Ref. Dec 1975

035976 451 R923
Interesting floristic finds in western Chukotka. (Rus) Petrovskii, V V; Koroleva, T M *Bot Zh* 60 (11): 1640-1650. Map. Ref. Nov 1975

035977 451 R923
New for the flora of the North Vietnam species of the genus Schefflera Forst. et Forst. f. from the subsection Octophyllae Tseng et Hoo and some problems of their biology. (Rus) Grushvitskii, I V; Skvortsova, N T *Bot Zh* 60 (10): 1434-1445. Ref. Eng. Sum. Oct 1975

035978 451 R923
Nomenclature notes on some species of Atraphaxis L. (Polygonaceae). (Rus) Lovelius, O L *Bot Zh* 60 (12): 1728-1730. Dec 1975

035979 451 R923
On the origin of karyotype of the genus Galanthus L. (Rus) Sveshnikova, L I *Bot Zh* 60 (12): 1760-1768. Ref. Dec 1975

035980 451 R923
Peculiarities of the anatomical structure of the leaf petiole in the species of Seseli L. and their taxonomic significance. (Rus) Pimenov, M G; Sdobnina, L I *Bot Zh* 60 (10): 1479-1490. Ref. Oct 1975

035981 451 R923
Pinus sylvestris S.L. In the Caucasus, its history and systematics. (Rus) Bobrov, E G *Bot Zh* 60 (10): 1421-1433. Map. Ref. Oct 1975

035982 451 R923
Plant species rare and new for the Kolyma highland. (Rus) Khokhriakov, A P *Bot Zh* 60 (10): 1509-1514. Oct 1975

035983 451 R923
Staphylea colchica Stev., the new species in the flora of Azerbaijan. (Rus) Safarov, I S; Asadov, K S *Bot Zh* 60 (12): 1769-1770. Map. Dec 1975

035984 451 R923
The genus Populus in Paleogene flora of Sakhalin. (Rus) Sycheva, O A *Bot Zh* 60 (12): 1755-1760. Map. Ref. Dec 1975

035985 451 R923
The quantitative analysis of flora: Spatial diversity, the level of specific richness and representativity of sampling areas. (Rus) Malyshev, L I *Bot Zh* 60 (11): 1537-1550. Map. Ref. Eng. Sum. Nov 1975

035986 451 R923
The red algae of the far eastern seas of the USSR; foliose cryptonemiacean algae (Cryptonemiales, Rhodophyta) [New taxa]. (Rus) Perestenko, L P *Bot Zh* 60 (12): 1676-1689. Ref. Eng. Sum. Dec 1975

035987 451 R923
What is Malus pumila Mill.? (Rus) Ponomarenko, V V *Bot Zh* 60 (11): 1574-1586. Maps. Ref. Eng. Sum. Nov 1975

035988 QK73.K43B8
A short note on Vanda hookeriana Rchb. F. (Ind) I Made Sri Prana,; I Gede Ranten, *Bul Kebun Raya* 2 (2): 61-65. Aug 1975

035989 QK1.A45
Key to 100 dwarf conifers. *Bull Am Assoc Bot Gard Arboreta* 9 (4): 73-104. Oct 1975

035990 107.6 Y14
The Hemisphaeriales [New taxa] in Japan. Katumoto, K *Bull Fac Agric Yamaguti Univ* 26: 45-122. Ref. 1975

035991 451 P383
Atlas of the flora of Pennsylvania. Brandes, G A *Bull Morris Arbor* 26 (4): 62-63. Map. Dec 1975

035992 451 P383
Native azaleas at the Morris Arboretum [Varieties]. Willaman, J J; Morris Arboretum *Bull Morris Arbor* 26 (4): 59-61. Dec 1975

035993 410 B98
Vegetation map of Cuba. (Hun) Borhidi, A *Buvar* 30 (12): 536-540. Map. Dec 1975

035994 450 C115
Echinofossulocactus grandicornis Lemaire [Mexico]. (Spa) Meyran, J *Cac Suc Mex* 20 (1): 3-6. Eng. Sum. Jan/Mar 1975

035995 470 C16C
A new Coelomycete (Dwayalomella vaccinii gen. And sp. Nov.) [Fungi] from Vaccinium angustifolium [blueberries] in Canada. Brisson, J D; Pirozynski, K A; Pauze, J F *Can J Bot* 53 (23): 2866-2871. Dec 1, 1975

035996 470 C16C
Observations on the genus Exobasidiellum. Bandoni, R J; Johri, B N *Can J Bot* 53 (22): 2561-2564. Nov 15, 1975

035997 64.8 C883
The crested wheatgrasses [Agropyron cristatum] of Iran [Distribution, cytology, morphology, and fertility]. Dewey, D R; Asay, K H *Crop Sci* 15 (6): 844-849. Map. Ref. Nov/Dec 1975

035998 475 SCI23
A short note on Frerea indica Dalz. Raghavan, R S *Curr Sci* 45 (1): 36. Jan 5, 1976

035999 475 SCI23
Dothichiza padi Sacc. And Roum.—a new record to India. Golatkar, V V *Curr Sci* 45 (1): 30. Jan 5, 1976

036000 475 SCI23
Some parasitic fungi on Cynodon dactylon from Varanasi. Singh, G P; Khare, K B *Curr Sci* 45 (1): 30-31. Jan 5, 1976

036001 511 P444A
Gyrogonites of the family Characeae [algae] with anomalous quantity of spirals. (Rus) Glukhovskaia, N B *Dokl Akad Nauk SSSR* 224 (3): 691-692. 1975

036002 410 EC73
Palynological study of late Pleistocene deposits on the Hakkoda mountains. Miura, O; Yamanaka, M *Ecol Rev* 18 (2): 127-132. Maps. Aug 1975

036003 421 EN86
Insects on flowers of Inula crithmoides L. (Compositae). Payne, R M *Entomol Mon Mag* 110 (1325/1327): 202. Oct/Dec 1974 (Pub. 1975)

036004 SB438.A1E8
True to type [Succulents]. Brown, C G *Essex Suc Rev* 12 (4): 66-69. Dec 1975

036005 450 R29
Bibliography of distribution maps of fungi. V. Lower fungi (Phycomycetes) 1941-1974. (Ger) Kreisel, H *Feddes Repert* 86 (5): 309-335. Ref. Eng. Sum. 1975

036006 450 R29
Cytotaxonomy of Liliales. Sen, S *Feddes Repert* 86 (5): 255-305. Ref. 1975

036007 450 R29
Gasteromycetes [Fungi] from the Mongolian People's Republic [New taxa]. (Ger) Kreisel, H *Feddes Repert* 86 (5): 321-327. Ref. Eng. Sum. 1975

036008 511 H367
Absolute and relative pollen diagrams from northernmost Fennoscandia [Vegetation history, Betula, Pinus]. Hyvarinen, H *Fennia* 142, 23 P. Maps. Ref. 1975

036009 500 C432B
Notes on Calvatia (Lycoperdaceae). I. [Fungi, new taxa]. Ponce de Leon, P *Fieldiana Bot* 38 (1), 1-3. Nov 5, 1975

036010 QK1.F57
Contribution to the knowledge of the Tertiary flora of Bulgaria: New plant fossils from the Pliocene. (Ger) Palamarev, E; Kitanov, G *Fitologiia* 1: 76-81. Eng. Sum. 1975

036011 QK1.F57
Floristic materials from the Besaparski ridges and criticalnotes. II. (Bul) Stanev, S *Fitologiia* 1: 82-87. Ref. Eng. Sum. 1975

036012 QK1.F57
Floristic materials [from different parts of Bulgaria] and critical notes. II. (Bul) Panov, P *Fitologiia* 1: 88-97. Ref. Eng. Sum. 1975

036013 QK339.C95F6
New Lichens, [in Lecanora, Ramalina and Usnea] whose isotype will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the Botanical Institute of the Czechoslovak Academy of Sciences]. (Lat) Vezda, A *Folia Geobot Phytotaxon* 10 (3): 325-327. 1975

036014 QK339.C95F6
Nomenclatural adjustments in some European monocotyledons. Love, A; Love, D *Folia Geobot Phytotaxon* 10 (3): 271-276. Ref. 1975

036015 QK339.C95F6
Studies on Jungermannioideae (Hepaticae). 8. Jungermannia subgenus Plectocolea and subgenus Solenostoma in Australia, New Zealand and Oceania [New Taxa]. (Ger) Vana, J *Folia Geobot Phytotaxon* 10 (3): 277-323. Ref. Eng. Sum. 1975

036016 450 N92
Contribution to the taxonomy of the genus Genista in Sardinia. I. Genista acanthoclada DC. (Ita) Valsecchi, F *G Bot Ital* 109 (4/5): 239-249. Ref. Eng. Sum. July/Oct 1975

036017 450 N92
New discoveries in Piedmont flora. (Ita) Abba, G *G Bot Ital* 109 (4/5): 221-226. Ref. Eng. Sum. July/Oct 1975

036018 450 N92
New plant records for latium and Abruzzi. (Ita) Anzalone, B; Veri, L *G Bot Ital* 109 (4/5): 251-255. Ref. Eng. Sum. July/Oct 1975

036019 450 N92
The flora and algal associations of Salomon's Spring (Anterselva, Bolzano): summer facies. (Ita) Dell'uomo, A *G Bot Ital* 109 (4/5): 257-271. Ref. Eng. Sum. July/Oct 1975

036020 407 G29PR
Normapolles pollen from the Mississippi embayment. Taxonomy and stratigraphic ranges of Normapolles genera and species found in Mississippi embayment rocks [New taxa]. Tschudy, R H *Geol Surv Prof Pap U S Dep Inter* 865, 42 P. Plates. Ref. 1975

036021 QH90.A1H9
The occurrence of the blue-green alga Oscillatoria agardhiiGom. in some waters discharging into the Lauwersmeer (the Netherlands). Vaate, A B de *Hydrobiol Bull* 9 (2): 55-59. Map. Sept 1975

036022 99.9 IN824
Interstitial spaces a review and observations on some Araucariaceae. Bolton, A J; Jardine, P; Jones, G L *IAWA Bull (Int Assoc Wood Anat)* 1: 3-12. Ref. 1975

036023 100 IL64
A wild relative of the soybean. Of the nine currently knownspecies in the Glycine genus, the most unusual is Glycine falcata, a native of Australia. Hymowitz, T; Newell, C; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 18-19. Map. Fall 1975

SB599.I47
Morphology and taxonomy of Helminthosporium catenarium (Drechslera cateneria). Somal, B S *Indian J Mycol Plant Pathol* 4 (2): 157-160. July 1974 (Pub. 1975)

036024 SB599.I47
Some noteworthy ascomycetes from India [Fungi]. Rao, V G; Narendra, D V *Indian J Mycol Plant Pathol* 4 (2): 171-176. July 1974 (Pub. 1975)

036025 464.8 IN2
A new genus of Sordariaceae [Sordariella, fungi]. Kapoor, J N; Lal, S P; Bahl, N *Indian Phytopathol* 27 (4): 658-660. Dec 1974 (Pub. 1975)

036026 464.8 IN2
Dematiaceous Hyphomycetes [Fungi] from India. II. [Torula caligans, Pithomyces chartarum, soils]. Singh, S N; Chaudhry, P N; Sarbhoy, A K *Indian Phytopathol* 27 (4): 634-636. Dec 1974 (Pub. 1975)

036027 464.8 IN2
Indian species of Ravenelia. I. On Acacia [Fungi]. Kapoor, J N; Agarwal, D K *Indian Phytopathol* 27 (4): 666-669. Dec 1974 (Pub. 1975)

036028 464.8 IN2
Nomenclatural invalidation of the rust genus Jacksoniella [Thirumalachariella]. Sathe, A V *Indian Phytopathol* 27 (4): 617-618. Dec 1974 (Pub. 1975)

036029 464.8 IN2
Notes on two fungi [Cladosporium oxysporum, Fusariella obstipa] from pond waters. Manoharachary, C; Ramarao, P *Indian Phytopathol* 27 (4): 647-648. Dec 1974 (Pub. 1975)

036030 464.8 IN2
Phaeoisaria [clematidis]—a new recored from India [Fungi]. Reddy, S M *Indian Phytopathol* 27 (4): 652-653. Dec 1974 (Pub. 1975)

036031 464.8 IN2
Studies on soil fungi. VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, Penicillium commune]. Manoharachary, C; Rama Rao, P *Indian Phytopathol* 27 (4): 653-656. Dec 1974 (Pub. 1975)

036032 QH91.A1I52
Microplankton of the north Pacific central Gyre. Population structure and abundance, June 1973. Beers, J R; Reid, F M H; Stewart, G L *Int Rev Gesamten Hydrobiol* 60 (5): 607-638. Map. Ref. 1975

036033 450 J829
Clear lakes and aquatic bryophytes in the mountains of Scotland [Musci, liverworst]. Light, J J *J Ecol* 63 (3): 937-943. Maps. Ref. Nov 1975

036034 420 EN86
Descriptions and distributional records of African Mecoptera [Bittacus erythrostigma, Bittacus tuxeni, new taxa]. Byers, G W *J Entomol Soc South Afr* 38 (2): 217-222. Sept 1975

036035 448.3 J824
New yeast species and varieties hitherto described in Japan. Goto, S; Nakase, T; Banno, I; Tsuchiya, T *J Gen Appl Microbiol* 21 (5): 317-333. (Concluded) 1975

036036 450 J8223
A new species of Cotylanthera [paucisquama] (Gentianaceae) from Phillippines, with a conspectus of the genus. Hara, H *J Jap Bot* 50 (11): 321-328. Nov 1975

036037 450 J8223
Cladonia multiformis Merr. Found in Japan. (Jpn) Kashiwadani, H *J Jap Bot* 50 (11): 352. Eng. Sum. Nov 1975

036038 450 J8223
On Aristolochia kakaoensis Sasaki. (Jpn) Yamazaki, T *J Jap Bot* 50 (11): 341. Nov 1975

036039 450 J8223
On the genus Sedun in Burma. Ohba, H *J Jap Bot* 50 (12): 353-361. Ref. Dec 1975

036040 450 J8223
Radula collection made by Dr. H. Inoue in Ceylon. Yamada, K *J Jap Bot* 50 (12): 372-378. Ref. Dec 1975

036041 450 J8223
Variants of Cycas revoluta Thunb. (Jpn) Satake, T *J Jap Bot* 50 (12): 361-362. Dec 1975

036042 514 P432
Botany in western Australia: a survey of progress: 1900-1971. Grieve, B J *J R Soc West Aust* 58 (2): 33-53. Ref. July 1975

036043 QK495.C11K3
Mammillaria heidiae Kraintz spec. Nov. (Ger) Krainz, H *Kakteen Sukkulenten* 26 (10): 217-218. Oct 1975

036044 474 K842
Flowers that have no time [Cistaceae, distribution]. (Ger) Schonfelder, P *Kosmos* 72 (2): 76-80. Map. Feb 1976

036045 474 K842
From Trametes quercina to Formes fomentarius [Fungi, dissemination]. (Ger) Laux, H E *Kosmos* 72 (1): 41-44. Jan 1976

036046 474 K842
The Pyrenees for botanists [Flora]. (Ger) Haberer, M *Kosmos* 72 (1): 1-7. Jan 1976

036047 450 L33
Plant portrait—coast redwood [Sequoia sempervirens]. Enari, L *LASCA Leaves (Los Ang State Cty Arbor)* 25 (4): 99-102. Dec 1975

036048 450 M26
A new species of Penstemon [henricksonii] (Scrophulariaceae) from Mexico. Straw, R M *Madrono* 23 (5): 263-265. Jan 1976

036049 450 M26
A new species of cholla (Cactaceae: Opuntia [anteojoensis] from Coahuila, Mexico. Pinkava, D J *Madrono* 23 (5): 292-294. Jan 1976

036050 450 M26
A study of some intermountain violets (Viola sect. Chamaemelanium [from the Intermountain Region of the U.s.]. Davidse, G *Madrono* 23 (5): 274-283. Ref. Jan 1976

036051 450 M26
Chromosome counts and a new combination in Claytonia sect., Limnia (Portulacaceae). Fellows, C E *Madrono* 23 (5): 296-297. Jan 1976

036052 450 M26
Empetrum hermaphroditum (Empetraceae) in Humboldt county, California. Lester, G S *Madrono* 23 (5): 299. Jan 1976

036053 450 M26
Nomenclatural notes on Claytonia spathulata. Fellows, C E; Chambers, K L *Madrono* 23 (5): 297-299. Jan 1976

036054 450 M26
Procedural innovations in revisionary studies: computer-assisted citation of representative specimens [Use in plant taxonomy]. Meacham, C A; Stuessy, T F *Madrono* 23 (5): 266-273. Ref. Jan 1976

036055 450 M26
Range extension for Quercus dunnii in Central California. Griffin, J R; Tucker, J M *Madrono* 23 (5): 295. Jan 1976

036056 450 M26
Re-evaluation of Cupressaceae and Taxodiaceae: a proposed merger. Eckenwalder, J E *Madrono* 23 (5): 237-256. Ref. Jan 1976

036057 450 M26
Taxonomy of Mentzelia mollis and allied species (Loasaceae) [New taxa, northwestern U.s.]. Glad, J B *Madrono* 23 (5): 283-292. Maps. Jan 1976

036058 450 M26
Upper intertidal algal zonation on Bodega Head, Sonoma county, California. Asen, A *Madrono* 23 (5): 257-263. Jan 1976

036059 450 M26
Vascular plants of montane coniferous forest in San Bernardino Mountains, California. McBride, J; Hill, T; Milliken, R; Laven, N *Madrono* 23 (5): 299. Jan 1976

036060 99.8 M292
The fruits, seeds and seedlings of Malayan trees. I-XI. Ng, F S P *Malay For* 38 (1): 33-99. Jan 1975

036061 Q1.A3M5
Plant opal phytolith analysis in midwestern archaeology [Paleobotany]. Rovner, I *Mich Acad* 8 (2): 129-137. 1975

036062 448.3 M582AE
Phenotypes (killer, neutral, sensitive) of yeasts of the genus Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. Tyurina, L V; Bur'yan, N I *Microbiology* 44 (2): 316-320. Mar/Apr 1975

036063 450 N48
A comparison of Senecio kirkii (New Zealand) and Senecio insularis (Lord Howe Island) with Senecios endemic to the Island of St Helena. Drury, D G *N Z J Bot* 13 (4): 769-780. Ref. Dec 1975

036064 450 N48
A new chromosome number in the Australian species Nicotiana cavicola L. (Burbidge). Williams, E *N Z J Bot* 13 (4): 811-812. Dec 1975

036065 450 N48
Australasian Luzula [New taxa]. Edgar, E *N Z J Bot* 13 (4): 781-802. Ref. Dec 1975

036066 450 N48
Contributions to the flora and plant ecology of Campbell Island. Meurk, C D *N Z J Bot* 13 (4): 721-742. Ref. Dec 1975

036067 450 N48
Dendroid liverworts of the order Metzgeriales in New Zealand. Campbell, E O; Markham, K R; Porter, L J *N Z J Bot* 13 (4): 593-600. Ref. Dec 1975

036068 450 N48
Discovery of Utricularia protrusa Hook.f. Near Westport, South Island, New Zealand. Moar, N T; Mason, R *N Z J Bot* 13 (4): 803-805. Map. Dec 1975

036069 450 N48
New Zealand fungi. 24. Capnokyma corticola gen. Nov., sp. Nov., a hyphomycetous sooty mould. Hughes, S J *N Z J Bot* 13 (4): 637-644. Dec 1975

036070 450 N48
The New Zealand species of Tmeispteris (Psilotaceae) [Pteridophyta]. Chinnock, R J *N Z J Bot* 13 (4): 743-768. Map. Ref. Dec 1975

036071 450 N48
Vascular plants of the Auckland Islands. Johnson, P N; Campbell, D J *N Z J Bot* 13 (4): 665-720. Map. Ref. Dec 1975

450 N48
Venturia asperata sp. Nov. And its Fusicladium state on apple leaves [Fungi, new taxa]. Samuels, G J; Sivanesan, A *N Z J Bot* 13 (4): 645-652. Dec 1975

036072 410.9 N21
Pycnoporus cinnabarinus [Fungi], a misunderstood species ofthe ancients or polypore in view of extension in Belgium and the Grand Duchy of Luxembourg. (Fre) Thoen, D *Nat Belg* 56 (9): 337-344. Map. Nov 1975

036073 410 N216
Antithamnion plumula (Ellis) Thur. In Le Jol. (Rhodophyceae: Ceramiaceae) in eastern Canada. Hooper, R G; Whittick, A *Nat Can* 102 (4): 603-604. July/Aug 1975

036074 410 N216
The genus Cocconeis Ehr. In the Saint Lawrence gulf, Quebec [New taxa, algae]. (Fre) Belanger, C; Cardinal, A *Nat Can* 102 (4): 605-607. July/Aug 1975

036075 474 N213
Phytochemical phylogeny of the Brassicaceae (Cruciferae) from the Capparidaceae. Das, V S R; Rao, K N *Naturwissenschaften* 62 (12): 577-578. Dec 1975

036076 450 N99
Additions and corrections to the Gasteromycetes of the Canary Islands [New taxa, fungi]. Eckblad, F E *Nytt Mag Bot* 22 (4): 243-248. Ref. 1975

036077 450 N99
Aquatic fungi of Scandinavia: some ornamented chytrids fromsouthern Norway. Johnson, T W Jr *Nytt Mag Bot* 22 (4): 249-257. Ref. 1975

036078 450 N99
Cladonia metacorallifera new to Europe. Tonsberg, T *Nytt Mag Bot* 22 (2): 129-132. Map. 1975

036079 450 N99
Four new Octospora species from India [Fungi]. Khare, K B *Nytt Mag Bot* 22 (4): 259-268. Ref. 1975

036080 450 N99
Further observations on Pyxine in Africa [New taxa]. Swinscow, T D V; Krog, H *Nytt Mag Bot* 22 (2): 125-128. 1975

036081 450 N99
New Cercospora species from West Bengal (India). V. [Fungi]. Kar, A K; Mandal, M *Nytt Mag Bot* 22 (2): 105-110. 1975

036082 450 N99
On Humaria ithacaensis [Taxonomic study]. Khare, K B *Nytt Mag Bot* 22 (2): 111-113. 1975

036083 450 N99
Operculate Discomycetes from Rana (Norway). 1. Chalazion sociabile gen. nov., sp. nov. [Fungi]. Dissing, H; Sivertsen, S *Nytt Mag Bot* 22 (1): 1-4. 1975

036084 450 N99
Parmelia subgenus Amphigymnia in Ethiopia [New taxa]. Winnem, B *Nytt Mag Bot* 22 (2): 139-166. Maps. Ref. 1975

036085 450 N99
Parmeliaceae, with the exclusion of Parmelia and Usnea, in East Africa. Krog, H; Swinscow, T D V *Nytt Mag Bot* 22 (2): 115-123. Ref. 1975

036086 450 N99
Pestalotia gubiana sp. Nov. [New taxa, fungi]. Subramoniam, V; Rao, V G *Nytt Mag Bot* 22 (3): 237-239. 1975

036087 450 N99
Rhodocybe truncata (Agaricales) new to Norway [Edible mushroom]. Gulden, G *Nytt Mag Bot* 22 (1): 5-6. 1975

036088 450 N99
Some observations on the Oceanic phytoplankton collected inthe vicinity of New Caledonia (southwestern Pacific Ocean). (Fre) Desrosieres, R *Nytt Mag Bot* 22 (3): 195-200. Map. Ref. Eng. Sum. 1975

036089 450 N99
Some Ramalina species with punctiform pseudocyphellae in East Africa [Lichens]. Krog, H; Swinscow, T D V *Nytt Mag Bot* 22 (4): 269-276. Ref. 1975

036090 450 N99
Stereocaulon coniophyllum in Norway. Vevle, O *Nytt Mag Bot* 22 (2): 133-137. Ref. 1975

036091 450 N99
Studies in seed dispersal. II. Winter-dispersed species at Finse, Norway. Ryvarden, L *Nytt Mag Bot* 22 (1): 21-24. Ref. 1975

036092 450 N99
Studies in the Aphyllophorales of Africa. 2. Some new species from East Africa [Fungi]. Ryvarden, L *Nytt Mag Bot* 22 (1): 25-34. 1975

036093 450 N99
The genus Pyxine in East Africa [Lichens, new taxa]. Swinscow, T D V; Krog, H *Nytt Mag Bot* 22 (1): 43-68. Ref. 1975

036094 450 N99
The giant species of Cirsium (Asteraceae) in southern Ethiopia. Friis, I *Nytt Mag Bot* 22 (3): 201-207. 1975

036095 450 N99
Type studies in the Polyporaceae. 6. Species described by W. J. Hooker [Fungi]. Ryvarden, L *Nytt Mag Bot* 22 (4): 285-287. 1975

036096 410 OH3
Changes in the algal flora of East Harbor, Ottawa County, Ohio, since 1900. Frederick, V R *Ohio J Sci* 75 (5): 229-237. Map. Ref. Sept 1975

036097 410 OH3
Comparison of the present and past bryophyte [Bryophyta] flora of Cedar Bog. McQueen, C B; Giesy, R M *Ohio J Sci* 75 (4): 188-190. July 1975

036098 80 OR172
A historical note on Paphiopedilum stonei var. Platytaenium. Fowlie, J A *Orchid Dig* 39 (6): 228-229. Nov/Dec 1975

036099 80 OR172
Cattleya violacea in Venezuela. Dunsterville, G C K; Dunsterville, E *Orchid Dig* 39 (5): 197-199. Map. Sept/Oct 1975

036100 80 OR172
Paphiopedilum purpuratum (Lindl.) Pfitz. Lee, T C *Orchid Dig* 39 (5): 192-196. Map. Sept/Oct 1975

036101 80 OR172
Paphiopedilum stonei: a noble species. Schaffer, N K; Taylor, P *Orchid Dig* 39 (6): 223-227. Nov/Dec 1975

036102 80 OR172
Paphiopedilum venustum (Wall.) Pfitz. Pradhan, U C *Orchid Dig* 39 (6): 204-209. Map. Nov/Dec 1975

036103 80 OR172
The Stanhopeas of Mexico [Orchids]. Kennedy, G C *Orchid Dig* 39 (5): 178-182. Sept-/Oct 1975

036104 80 OR172
Vanda hookeriana Rchb.f. 1856. Dourado, F M *Orchid Dig* 39 (5): 186-189. Map. Sept-/Oct 1975

036105 80 OR172
With Ghillany in Brazil. X. Rediscovering Laelia jongheana in unique grutas on the Pico do Itambe. Fowlie, J A *Orchid Dig* 39 (6): 230-238. Nov/Dec 1975

036106 56.8 P344
Pollen analysis of the buried volcanic ash soil at the foot of the volcano, Iwate. (Jpn) Urabe, H *Pedologist* 19 (1): 2-12. Map. Ref. Eng. Sum. June 1975

036107 QK564.P58
A study of variation in Australian species of Colpomenia (Phaeophyta, Scytosiphonales) [Algae]. Clayton, M N *Phycologia* 14 (4): 187-195. Ref. Dec 1975

036108 QK564.P58
Brackish-water and fresh-water species of the diatom genus Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) Bethge [Algae]. Hasle, G R; Evensen, D L *Phycologia* 14 (4): 283-297. Ref. Dec 1975

036109 QK564.P58
Phytogeographic provinces along the coasts of the northern Atlantic Ocean. Van den Hoek, C *Phycologia* 14 (4): 317-330. Maps. Ref. Dec 1975

036110 QK564.P58
Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a new record for north-western Atlantic coastal waters [Algae, new taxa]. Rao, D V *Phycologia* 14 (4): 183-185. Ref. Dec 1975

036111 QK564.P58
Scenedesmus trainorii sp. Nov. (Chlorophyta, Chlorococcales): a polymorphic species [Algae, new taxa]. Shubert, L E *Phycologia* 14 (4): 177-182. Ref. Dec 1975

036112 QK564.P58
The biology of Harveyella mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the parasitic red algae, Harveyella mirabilis. Goff, L J; Cole, K *Phycologia* 14 (4): 227-238. Ref. Dec 1975

036113 QK564.P58
The morphology and systematic position of the green algae Ernodesmis and Apjohnia. Papenfuss, G F; Chihara, M *Phycologia* 14 (4): 309-316. Ref. Dec 1975

036114 450 P5622
Taxonomic patterns in amino-acids of Acacia seed globulins [from Australian species]. Pettigrew, C J; Watson, L *Phytochemistry* 14 (12): 2623-2625. Ref. Dec 1975

036115 450 P762
Ephedra pollen mimicry by unidentified Pleistocene plant stomata. Elsik, W C *Pollen Spores* 17 (3): 487-491. 1975

036116 450 P762
Tilletia sphagni, Helotium schimperi, or what? [Fungi]. Eckblad, F E *Pollen Spores* 17 (3): 423-428. Ref. 1975

036117 80 P932
Oil-producing palms of the world—a review [Palmae]. Hodge, W H *Principes* 19 (4): 119-136. Oct 1975

036118 80 P932
Palmologue: this and that [Palmae]. Smith, D *Principes* 19 (4): 137-146. Oct 1975

036119 442.9 AM8
Brachycylix, a new genus of tropical Leguminosae (Caesalpinioideae). Cowan, R S *Proc K Ned Akad Wet, Ser C Biol Med Sci* 78 (5): 464-467. 1975

036120 442.9 AM8
The taxonomy and cytology of the Sedum laconicum agregate in south-eastern Europe. Hart, H 't *Proc K Ned Akad Wet, Ser C Biol Med Sci* 78 (5): 435-448. Map. Ref. 1975

036121 514 SY2
Tertiary fossil fungi from Kiandra, New South Wales [New taxa]. Selkirk, D R *Proc Linnean Soc N S W* 100 (441, Pt. 1): 70-94. Plates. Aug 1, 1975

036122 500 P383
Isolation and existence of imperfect fungi in caves. Hunter, B B; Thomas, W J *Proc Pa Acad Sci* 49 (1): 62-66. Maps. Ref. 1975

036123 81 AM398
Rhododendron kaempferi and its rich variety. Suzuki, H *Q Bull Am Rhodod Soc* 30 (1): 2-3. Winter 1976

036124 81 AM398
Vernicosum aff. R. 18139. *Q Bull Am Rhodod Soc* 30 (1): 37. Winter 1976

036125 SD1.C52
A natural stand of Cycas taiwanensis Carr. (Chi) Cheng, T Y; Hu, T W; Hsu, K S *Q J Chin For* 8 (2): 37-39. Map. June 25, 1975

036126 SD1.C52
An enumeration of indigenous pteridophytes in Taiwan. 6. Hsieh, W C *Q J Chin For* 8 (2): 21-36. June 25, 1975

036127 QE901.R4
Current status on the Progymnospermopsida [Aneurophytales, Protopityales, Archaeopteridales]. Beck, C B *Rev Palaeobot Palynol* 21 (1): 5-23. Ref. Jan 1976

036128 QE901.R4
Early evolution in the Pinaceae. Miller, C N Jr *Rev Palaeobot Palynol* 21 (1): 101-117. Ref. Jan 1976

036129 QE901.R4
Evolutionary trends in fossil gymnosperm pollen. Millay, M A; Taylor, T N *Rev Palaeobot Palynol* 21 (1): 65-91. Ref. Jan 1976

036130 QE901.R4
More evidence for a slender growth habit in mesozoic cycadophytes [Ischnopyton iconicum, Leptocycas gracilis]. Delevoryas, T; Hope, R C *Rev Palaeobot Palynol* 21 (1): 93-100. Ref. Jan 1976

036131 QE901.R4
Morphologic interpretation of fertile structures in glossopterid gymnosperms [Paleobotany]. Schopf, J M *Rev Palaeobot Palynol* 21 (1): 25-64. Ref. Jan 1976

036132 QE901.R4
Patterns in gymnosperm evolution [Paleobotany]. Taylor, T N *Rev Palaeobot Palynol* 21 (1): 1-3. Jan 1976

036133 QE901.R4
The mesozoic gymnosperms. Harris, T M *Rev Palaeobot Palynol* 21 (1): 119-134. Ref. Jan 1976

036134 450 R34
A county checklist of the ferns [Pteridophyta] and fern allies of Kansas, Nebraska, South Dakota, and North Dakota. Petrik-Ott, A J *Rhodora* 77 (812): 478-511. Ref. Dec 1975

036135 450 R34
Observations on Batrachospermum (Rhodophyta) in southeastern Wisconsin streams [Algae]. Woelkerling, W J *Rhodora* 77 (812): 467-477. Ref. Dec 1975

036136 450 R34
Seasonal occurrence and ecology of marine algae in a New Hampshire tidal rapid. Reynolds, N B; Mathieson, A C *Rhodora* 77 (812): 512-533. Maps. Ref. Dec 1975

036137 450 R34
Zostera marina L., its growth and distribution in the greatbay estuary, New Hampshire. Riggs, S A; Fralick, R A *Rhodora* 77 (812): 456-466. Dec 1975

036138 QH91.A1S3
Marine algae of western Norway species distribution and ecology. available reports. Jorde, I *Sarsia* 58: 31-33. Map. Ref. June 27, 1975

036139 QK1.S6
The genus Aphelandra (Acanthaceae) [New taxa]. Wasshausen, D C *Smithson Contrib Bot* 18, 157 P. Ref. 1975

036140 511 AK146
A new species of Scirpus [colchicus] L. Genus from Georgia [USSR]. (Rus) Kimeridze, K R *Soobshch Akad Nauk Gruz SSR* 80 (2): 441-443. Eng. Sum. 1975

036141 511 AK146
New species of tinder fungi for Georgia. (Geo) Gulmagarashvili, V Kh *Soobshch Akad Nauk Gruz SSR* 80 (1): 145-147. Eng. Sum. Oct 1975

036142 511 AK146
On the history of the dark coniferous forests of Georgia [Paleobotany, USSR]. (Rus) Chochieva, K I *Soobshch Akad Nauk Gruz SSR* 80 (2): 497-500. Eng. Sum. 1975

036143 SB403.S7
All kinds of observations on the high beard iris [Varieties]. (Ger) Kurzmann, F *Staudengarten* 1: 23-26. 1975

036144 SB403.S7
Encounters with wild lilies [Lilium] in 1967 [Yugoslavia]. (Ger) Fuchs, H *Staudengarten* 1: 41-46. 1975

036145 450 SU12
Interesting cactus territories in Bolivia. 6. (Dut) Buining, A F H *Succulenta* 54 (11): 208-212. Nov 1975

036146 450 SU12
Interesting cactus areas in Bolivia. 7 [Succulents]. (Dut) Buining, A F H *Succulenta* 55 (1): 2-3. Jan 1976

450 SU12
Rebutia (Aylostera) frohlichiana Rausch spec. Nov. [Succulents, new taxa]. (Dut) Rausch, W *Succulenta* 54 (12): 226. Dec 1975

036147 450 SU12
Succulent safari in Kenya and Tanzania. 9. (Dut) Noltee, F *Succulenta* 54 (12): 226-229. Dec 1975

036148 451 UP72
The caliciales of boreal North America: taxonomy, ecological and distributional comparisons with Europe, and ultrastructural investigations in some species [New taxa]. Tibell, L *Symb Bot Upsal* 21 (2), 128 P. Maps. Ref. 1975

036149 297.9 N56
Taxonomy and preservation of fungus and yeast culture. Joseph, H M *Tech Memo Fed Repub Niger Fed Inst Ind Res* 28, 48 P. Ref. Dec 1974

036150 451 B76
A new species of Monochaetia [dimorphospora, Fungi] with arthroconidia. Yokoyama, T *Trans Br Mycol Soc* 65 (3): 499-503. Ref. Dec 1975

036151 451 B76
Byssochlamys verrucosa sp. Nov. [Fungi, new taxa]. Samson, R A; Tansey, M R *Trans Br Mycol Soc* 65 (3): 512-514. Dec 1975

036152 451 B76
Concerning Gyoerffyella Kol [Fungi, new taxa]. Marvanova, L *Trans Br Mycol Soc* 65 (3): 555-565. Dec 1975

036153 451 B76
Conidia in the foam of two English streams [Aquatic fungi]. Ingold, C T *Trans Br Mycol Soc* 65 (3): 522-527. Dec 1975

036154 451 B76
Contribution to the fungal flora of Kuwait. Moustafa, A F; al-Musallam, A A *Trans Br Mycol Soc* 65 (3): 547-553. Map. Ref. Dec 1975

036155 451 B76
Lentic moulds [Fungi] of southern Lake Winnebago. Novotny, I H; Tews, L L *Trans Br Mycol Soc* 65 (3): 433-441. Map. Ref. Dec 1975

036156 451 B76
Notes on Stenella [Fungi]. Mulder, J L *Trans Br Mycol Soc* 65 (3): 514-517. Dec 1975

036157 451 B76
Numerical taxonomy of Hypoxylon [Fungi]. IV. Comparison of the cultural states of some applanate species of Hypoxylon with other members of the genus. Whalley, A J S; Greenhalgh, G N *Trans Br Mycol Soc* 65 (3): 369-373. Dec 1975

036158 451 B76
On the identity of Cercospora deightonii Chupp [Fungi]. Deighton, F C *Trans Br Mycol Soc* 65 (3): 509-512. Dec 1975

036159 451 B76
Redisposition and descriptions of some Amphisphaeria species and a note on Macrovalsaria [Fungi, new taxa]. Sivanesan, A *Trans Br Mycol Soc* 65 (3): 395-402. Dec 1975

036160 451 B76
Spiralum [Fungi], a new genus from Asia. Mulder, J L *Trans Br Mycol Soc* 65 (3): 517-521. Dec 1975

036161 451 B76
Studies in the Aphyllophorales [Fungi] of Africa. IV. Antrodia juniperina, new for East Africa. Niemela, T; Ryvarden, L *Trans Br Mycol Soc* 65 (3): 427-432. Ref. Dec 1975

036162 451 B76
The concept and circumscription of Ganoderma tornatum [and Ganoderma applanatum, fungi pathogenic in Palmae]. Steyaert, R L *Trans Br Mycol Soc* 65 (3): 451-467. Dec 1975

036163 451 B76
The first epoxycarotenoid in a fungus: possible taxonomic marker for cantharelloid fungi. Valadon, L R G; Mummery, R S *Trans Br Mycol Soc* 65 (3): 485-487. Ref. Dec 1975

036164 451 B76
The genus Amylascus (Tuberales) [Fungi]. Trappe, J M *Trans Br Mycol Soc* 65 (3): 496-499. Dec 1975

036165 451 B76
Two remarkable polypores from India [Cystostiptoporus indicus, Coltricia bambusicola, Fungi, new taxa]. Ryvarden, L; Dhanda, R S *Trans Br Mycol Soc* 65 (3): 413-417. Dec 1975

036166 451 B76
Vertical distribution of microfungi in a spruce [Picea abies] forest soil in the south of Sweden. Soderstrom, B E *Trans Br Mycol Soc* 65 (3): 419-425. Ref. Dec 1975

036167 ASD11.A42
Manual of the rushes (Juncus spp.) of the Rocky Mountains and Colorado Basin. Hermann, F J; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric* 18, 107 P. Ref. Oct 1975

036168 QL1.Z62
Diatoms, living jewels of nature [Algae]. (Fre) Hoover, R B *Zoo Anvers* 41 (2): 73-77. Oct 1975

PLANT ECOLOGY

036169 331.9 EE7
Relationship between the vegetation and length of development of the islets of the Matsalu nature protection area. (Est) Rebassoo, H *Aastaraamat Eesti Geogr Selts* P. 122-134. 1974

036170 331.9 EE7
The Tohela moors [Plant ecology]. (Est) Allikvee, H *Aastaraamat Eesti Geogr Selts* P. 83-121. Maps. Ref. 1974

036171 14 P215BC
Scientific research at the Vanoise National Park. 4. [Plant ecology]. (Fre) Vayssiere, P *Acad Agric Fr C R Seances* 61 (7): 410-412. 1975

036172 QD1.A45
Lipid geochemistry of recent sediments from the Great Marsh, Lewes, Delaware [Vegetation]. Swetland, P J; Wehmiller, J F *ACS Symp Ser (Amer Chem Soc)* 18: 285-303. Maps. Ref. 1975

036173 99.8 AL53
Forest production in correlation to atmospheric site factors. (Ger) Hager, H *Allg Forstztg* 86 (11): 327-328. Nov 1975

036174 470 SI2
The Gir Forest: an endangered ecosystem. Berwick, S *Am Sci* 64 (1): 28-39. Map. Ref. Jan/Feb 1976

036175 448.3 AP5
Cross-reactive antigens and lectin as determinants of symbiotic specificity in the Rhizobium-clover association. Dazzo, F B; Hubbell, D H *Appl Microbiol* 30 (6): 1017-1033. Ref. Dec 1975

036176 TD881.A8
The deposition of particles on moss [Hypnum cupressiforme] and grass surfaces [Indicator plants]. Clough, W S *Atmos Environ* 9 (12): 1113-1119. Ref. 1975

036177 500 N215
The algal ridges and coral reefs of St. Croix: their structure and Holocene development. Adey, W H *Atoll Res Bull* 187, 67 P. Maps. Ref. Aug 6, 1975

036178 S900.B5
A theoretical relationship between the primary productivity of vegetation and its ability to tolerate trampling. Liddle, M J *Biol Conserv* 8 (4): 251-255. Ref. Dec 1975

036179 S900.B5
The historical ecology of Lakenheath Warren in Suffolk, England. A case study [Plant and animal communities]. Crompton, G; Sheail, J *Biol Conserv* 8 (4): 299-313. Maps. Ref. Dec 1975

036180 451 R923
High-mountain birch forests in the Transcaucasia and their phytocoenotic characteristics. (Rus) Safarov, I S; Mirzoev, O G *Bot Zh* 60 (10): 1490-1496. Ref. Oct 1975

036181 451 R923
On subzonal [vegetation] division of forest zone in the Tomsk region. (Rus) Gorozhankina, S M; Konstantinov, V D *Bot Zh* 60 (11): 1587-1596. Map. Ref. Eng. Sum. Nov 1975

036182 451 R923
On the choice of discriminational threshold for the vegetational units of different ranks. (Rus) Balashev, L S *Bot Zh* 60 (11): 1597-1602. Ref. Nov 1975

036183 451 R923
On the effect of trees on the structure of grass stand in grassy pine forests in the lower reaches of Angara. (Rus) Lashchinskii, N N *Bot Zh* 60 (12): 1721-1727. Dec 1975

036184 451 R923
Successions of microorganisms of the overground vegetative mass in meadow communities. (Rus) Miroshnichenko, E D; Pavlova, T V; Skalon, I S *Bot Zh* 60 (12): 1749-1754. Ref. Dec 1975

036185 451 R923
The vegetation of the Urals on a new geobotanical map. (Rus) Gorchakovskii, P L; Gribova, S A; Isachenko, T I; Karpenko, A S; Nikonova, N N; Famelis, T V; Fedorova, I T; Sharafutdinov, M I *Bot Zh* 60 (10): 1385-1400. Maps. Ref. Eng. Sum. Oct 1975

036186 470 C16C
The vegetation and chemical properties of patterned fens in the Swan Hills, north central Alberta. Vitt, D H; Achuff, P; Andrus, R E *Can J Bot* 53 (23): 2776-2795. Ref. Dec 1, 1975

511 P444A
The relationship between the distribution of spider and vegetation cover in the middle taiga of the Ural region. (Rus) Vasilevich, V I; Pakhorukov, N M *Dokl Akad Nauk SSSR* 224 (2): 460-463. 1975

036187 QH540.S7
AbisKo II: A computer simulation model of carbon flux in tundra ecosystems. Bunnell, F L; Scoullar, K A *Ecol Bull Statens Naturvetensk Forsk* 20: 425-448. Ref. 1975

036188 QH540.S7
Agapa, USSR [Plant community, soils]. Vassiljevskaja, V D; Ivanov, V V; Bogatyrev, L G; Pospelova, E B; Shalaeva, N M; Grishina, L A *Ecol Bull Statens Naturvetensk Forsk* 20: 141-158. 1975

036189 QH540.S7
Ary-Mas, USSR [Vegetation, soils]. Norin, B N; Ignatenko, I V *Ecol Bull Statens Naturvetensk Forsk* 20: 183-191. Ref. 1975

036190 QH540.S7
Barrow, Alaska, USA [Plant community]. Bunnell, F L; Maclean, S F Jr; Brown, J *Ecol Bull Statens Naturvetensk Forsk* 20: 73-124. Map. Ref. 1975

036191 QH540.S7
Devon Island, Canada [Plants, animals, ecology]. Bliss, L C *Ecol Bull Statens Naturvetensk Forsk* 20: 17-60. Map. Ref. 1975

036192 QH540.S7
Glenamoy, Ireland [Vegetation community]. Moore, J J; Dowding, P; Healy, B *Ecol Bull Statens Naturvetensk Forsk* 20: 321-343. Map. Ref. 1975

036193 QH540.S7
Hardangervidda, Norway [Vegetation, soils]. Ostbye, E ed; Berg, A; Blehr, O; Espeland, M; Gaare, E; Hagen, A; Hesjedal, O; Hagvar, S; Kjelvik, S; Et Al *Ecol Bull Statens Naturvetensk Forsk* 20: 225-264, Maps. Ref. 1975

036194 QH540.S7
Kevo, Finland [Vegetation, forests, soils]. Kallio, P *Ecol Bull Statens Naturvetensk Forsk* 20: 193-223. Maps. Ref. 1975

036195 QH540.S7
Macquarie Island, Subantarctic [Vegetation, soils]. Jenkin, J F *Ecol Bull Statens Naturvetensk Forsk* 20: 375-397. Map. Ref. 1975

036196 QH540.S7
Maria Pronchitsheva Bay, USSR [Plant community]. Matveyeva, N V; Parinkina, O M; Chernov, YU I *Ecol Bull Statens Naturvetensk Forsk* 20: 61-72. 1975

036197 QH540.S7
Moor House [Nature Reserve], United Kingdon [Vegetation, soils]. Heal, O W; Jones, H E; Whittaker, J B *Ecol Bull Statens Naturvetensk Forsk* 20: 295-320. Ref. 1975

036198 QH540.S7
Mt. Patscherkofel, Austria [Plant community]. Larcher, W; Cernusca, A; Schmidt, L; Grabherr, G; Notzel, E; Smeets, N *Ecol Bull Statens Naturvetensk Forsk* 20: 125-139. Ref. 1975

036199 QH540.S7
Signy island, Maritime Antarctic [Vegetation, soils]. Baker, J H; Tilbrook, P J *Ecol Bull Statens Naturvetensk Forsk* 20: 345-374. Ref. 1975

036200 QH540.S7
South Georgia, Subantarctic [Vegetation community]. Smith, R I L; Walton, D W H *Ecol Bull Statens Naturvetensk Forsk* 20: 399-423. Maps. Ref. 1975

036201 QH540.S7
Stordalen (Abisko), Sweden [Vegetation community]. Rosswall, T; Flower-Ellis, J G K; Johansson, L G; Jonsson, S; Ryden, B E; Sonesson, M *Ecol Bull Statens Naturvetensk Forsk* 20: 265-294. Map. 1975

036202 QH540.S7
Structure and function of tundra ecosystems. Rosswall, T ed; Heal, O W ed *Ecol Bull Statens Naturvetensk Forsk* 20, 450 P. Maps. Ref. 1975

036203 QH540.S7
Tareya, USSR [Vegetation, soils]. Chernov, YU J; Dorogostaiskaya, E V; Gerasimenko, T V; Ignatenko, I V; Matveyeva, N V; Parinkina, O M; Polozova, T G; Romanova, E N; Schamurin, V F; Et Al *Ecol Bull Statens Naturvetensk Forsk* 20: 159-181. 1975

036204 QH540.S7
The IBP [International Biological Programme] Tundra Biome—an introduction. Rosswall, T; Heal, O W *Ecol Bull Statens Naturvetensk Forsk* 20: 7-16. Map. Ref. 1975

036205 410 EC73
Ecological studies of the Towada-Hakkoda area [Vegetation]. Naito, T *Ecol Rev* 18 (2): 93-126. Maps. Ref. Aug 1975

036206 410 EC73
Vegetation of Mount Iide [Plant communities]. Kikuchi, T *Ecol Rev* 18 (2): 65-91. Maps. Ref. Aug 1975

512 W263
A comparison of the production of the ground flora and of the rate of organic fall in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. Aulak, W *Ekol Pol* 23 (1): 65-81. Ref. 1975

512 W263
The biomass of the root systems of the pine and oak in the Kampinos National Park [in the association Vaccinio myrtilli-Pinetum typicum]. Jozefaciukowa, W *Ekol Pol* 23 (1): 83-92. 1975

512 W263
Variation in the fall rate of plant debris from trees in the association Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park. Jozefaciukowa, W *Ekol Pol* 23 (1): 93-101. 1975

036207 443.8 EV62
Competition between metal tolerant and normal plant populations; a field experiment on normal soil. Hickey, D A; McNeilly, T *Evolution* 29 (3): 458-464. Ref. Sept 1975

443.8 EV62
Evolutionary and ecological relationships between Aquilegiaformosa and Aquilegia pubescens (Ranunculaceae), two perennial plants. Chase, V C; Raven, P H *Evolution* 29 (3): 474-486. Ref. Sept 1975

036208 QK1.F57
Contemporary development of the peat bogs in the Vitosha mountain [Topography and the floristic composition]. (Bul) Nedeva, D *Fitologiia* 1: 34-46. Ref. Eng. Sum. 1975

036209 QK339.C95F6
Weed communities in the north Slovakian mountain area. (Ger) Passarge, H; Jurko, A *Folia Geobot Phytotaxon* 10 (3): 225-264. Map. Ref. Eng. Sum. 1975

036210 99.9 V66F
[Plant] colonization of the Discovery Bay sand dunes. Kosmer, H J *For Tech Pap For Comm (Victoria)* 22: 29-34. June 1975

QH96.F6
Chemistry and vegetation of highly acidic streams. Hargreaves, J W; Lloyd, E J H; Whitton, B A *Freshwater Biol* 5 (6): 563-576. Ref. Dec 1975

036211 QH96.F6
Ecological studies on algal-lysing bacteria in fresh waters. Daft, M J; McCord, S B; Stewart, W D P *Freshwater Biol* 5 (6): 577-596. Ref. Dec 1975

036212 QH96.F6
Primary production studies on a new reservoir; Bighorn Lake—Yellowtail Dam, Montana, U.s.a. [Algae]. Soltero, R A; Wright, J C *Freshwater Biol* 5 (5): 407-421. Map. Ref. Oct 1975

036213 450 N92
Ecological consideration on some terrestrial and aquatic fungi. (Ita) Caretta, G *G Bot Ital* 109 (4/5): 275-290. Ref. Eng. Sum. July/Oct 1975

036214 QH541.145.C6
Markovian properties of forest succession. Horn, H S *In Ecology and Evolution of Communities. M. L. Cody & J. M. Diamond, eds.* P. 196-211. Ref. 1975

036215 SB52.G43F6
Ecological aspects of work concentration [in viticulture]. (Ger) Porsch, M *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 146-151. 1974

036216 410 J828
A survey of tracks and paths in a sand dune ecosystem. II. Vegetation. Liddle, M J; Greig-Smith, P *J Appl Ecol* 12 (3): 909-930. Ref. Dec 1975

036217 410.9 EA73
Ecology of the Lower Tana Rive flood plain (Kenya). Andrews, P; Groves, C P; Horne, J F M *J East Afr Nat Hist Soc Nat Mus* 151, 31 P. Maps. Ref. May 12, 1975

036218 450 J829
A multivariate ordering of vegetation data based on Gaussian type gradient response curves. Ihm, P; Groenewoud, H van *J Ecol* 63 (3): 767-777. Ref. Nov 1975

036219 450 J829
Allelopathy among some British grassland species. Newman, E I; Rovira, A D *J Ecol* 63 (3): 727-737. Ref. Nov 1975

036220 450 J829
Data transformations in ecological ordination. II. On the meaning of [vegetation] data standardization. Noy-Meir, I; Walker, D; Williams, W T *J Ecol* 63 (3): 779-800. Ref. Nov 1975

036221 450 J829
Observations on the performance of Narthecium ossifragum (L.) Huds. and Phragmites communis Trin [Plant competition]. Daniels, R E *J Ecol* 63 (3): 965-977. Ref. Nov 1975

036222 450 J829
Plant-induced soil chemical patterns in some shrub-dominated semi-desert ecosystems of Utah. Charley, J L; West, N E *J Ecol* 63 (3): 945-963. Ref. Nov 1975

036223 450 J829
Recurrence surfaces in Rusland Moss, Cumbria (formerly north Lancashire) [Calluna, Sphagnum, musci]. Dickinson, W *J Ecol* 63 (3): 913-935. Ref. Nov 1975

036224 450 J829
Seasonal changes in two algal populations from the coastal waters of Washington State. Hruby, T *J Ecol* 63 (3): 881-889. Ref. Nov 1975

036225 450 J829
The distribution and composition of hybrid populations of Erica ciliaris L. and Erica tetralix L. in Dorset [Ecological factors]. Chapman, S B *J Ecol* 63 (3): 809-823. Maps. Ref. Nov 1975

036226 450 J829
The effects of emus (Dromaius novaehollandiae Latham) on the distribution of the nitre bush (Nitraria billardieri DC.). Noble, J C *J Ecol* 63 (3): 979-984. Ref. Nov 1975

036227 HC75.E5J6
Plant community age as a measure of sensitivity of ecosystems to disturbance. Smith, D W; Suffling, R; Stevens, D; Dai, T S *J Environ Manage* 3 (4): 271-285. Ref. Oct 1975

036228 99.8 J82
Querco-Cappinetum calcareum Stamm 1938 subdivided? (Ger) Keller, W *J For Suisse* 126 (10): 729-749. Map. Ref. Oct 1975

036229 99.8 N62
The relationship between site condition and circulation of nutrients in forest ecosystem. III. Above ground biomass and nutrient contents of stands. (Jpn) Katagiri, S; Tsutsumi, T *J Jap For Soc* 57 (12): 412-419. Ref. Eng. Sum. Dec 1975

036230 500 T25A
A preliminary study of aquatic hyphomycetes on leaves in forest and stream leaf litter. Dyko, B J *J Tenn Acad Sci* 51 (1): 7-8. Ref. Jan 1976

036231 442.8 K84
Antropogenic landscapes and their plant associations. (Pol) Mowszowicz, J *Kosmos, Ser A Biol* 24 (5): 443-451. Ref. 1975

036232 99.9 W262
Formation of the regeneration structure in several communities of a natural forest. (Pol) Kowalski, M *Lesnictwo (Warsz)* 21: 43-55. Ref. Eng. Sum. 1975

036233 GC1.L5
Densities of bacteria and fungi in coastal surface films as determined by a membrane-adsorption procedure. Crow, S A; Ahearn, D G; Cook, W L *Limnol Oceanogr* 20 (4): 644-646. July 1975

036234 GC1.L5
The influence of tidal flux on microbial biomass in salt marsh creeks [Distribution and ecology of estuarine plants andanimals]. Erkenbrecher, C W; Stevenson, L H *Limnol Oceanogr* 20 (4): 618-625. Maps. Ref. July 1975

450 N48
Contributions to the flora and plant ecology of Campbell Island. Meurk, C D *N Z J Bot* 13 (4): 721-742. Ref. Dec 1975

036235 450 N48
Vegetation survey of the Tarawera River and environs, North Island, New Zealand. Moar, N T; Cunningham, B T *N Z J Bot* 13 (4): 623-635. Map. Dec 1975

036236 410.9 N21
The Thier guarry, a site to urgently conserve in Vielsalm [Plant ecology]. (Fre) Zuttere, P de; Andrianne, P; Schumaker, R *Nat Belg* 56 (9): 313-328. Nov 1975

036237 450 N99
Coccolithophorid distribution and ecology in coastal waters of North Norway [Phytoplankton]. Schei, B *Nytt Mag Bot* 22 (3): 217-225. Map. Ref. 1975

036238 450 N99
The littoral vegetation of Nordbytjernet, a small lake in south-east Norway. Hongve, D *Nytt Mag Bot* 22 (2): 83-97. Map. Ref. 1975

036239 QK901.A1O3
Introduction to the study of horizontal patterns in steppes. II. Statistical treatment of transcets of contiguous quadrats [Artemisia herba-alba]. (Fre) Debouzie, D; Chessel, D; Donadieu, P; Klein, D *Oecol Plant* 10 (3): 211-231. Ref. Eng. Sum. 1975

036240 QL750.O3
Foliage arthropod communities of crop and fallow fields. Allan, J D; Alexander, H J; Greenberg, R *Oecologia* 22 (1): 49-56. Ref. 1975

036241 410 OH3
Net productivity and ecological efficiency of Andropogon scoparius growning in an Ohio relict prairie. Dalgarn, M C; Wilson, R E *Ohio J Sci* 75 (4): 194-197. Ref. July 1975

036242 TA593.A43
Mapping vegetation in the Great Basin from ERTS [Earth Resources Technology Satellite]-1 imagery [Nevada]. Tueller, P T; Lorain, G; Halvorson, R; Ratliff, J M *Pap Annu Meet Am Soc Photogramm* 41st: 338-370. Maps. Ref. 1975

036243 22.5 C88
Studies on competition between grasses and legume in mixed sward [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. (Jpn) Kishi, H *Proc Crop Sci Soc Jap* 44 (4): 419-424. Eng. Sum. Dec 1975

036244 513 T576
Organogeochemical studies of a 200-meter core sample from Lake Biwa. III. The determination of chlorophyll derivatives and carotenoids. Handa, N *Proc Jap Acad* 51 (6): 442-446. Ref. June 1975

036245 514 SY2
Drought damage on Mount Towrong, Victoria [Vegetation, ecology]. Ashton, D H; Bond, H; Morris, G C *Proc Linnean Soc N S W* 100 (441, Pt. 1): 44-69. Map. Ref. Aug 1, 1975

036246 100 OK4M
Effects of Bermudagrass [Cynodon dactylon] competition on the establishment and growth of woody plants in the landscape. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 16. Oct 1975

036247 470 SCI2
Drought in the Sahara: insufficient biogeophysical feedback? Ripley, E A; Charney, J; Stone, P H; Quirk, W J; Long, A; Martin, P S *Science* 199 (4222): 100-102. Ref. Jan 9, 1976

036248 S592.7.A1S6
Biodegradation of litter in Eucalyptus pauciflora communities. I. Techniques for comparing the effects of fungi and insects. Macauley, B J *Soil Biol Biochem* 7 (6): 341-344. Ref. Nov 1975

036249 QH540.E32
Application of the energy principle to determine the amount of vegetation consumed by Orthoptera in the mountain pastures of eastern Georgia. Stolyarov, M V *Sov J Ecol* 6 (1): 1-5. Ref. Jan/Feb 1975

036250 QH540.E32
Ecology and hydrogeological role of feathergrass [Lasiagrostis splendens] communities in the sandy deserts of the northern Aral region. Vostokova, E A *Sov J Ecol* 6 (1): 62-67. Ref. Jan/Feb 1975

036251 QH540.E32
Influence of illumination and litter-drop on the development of certain species of mosses [Musci, Picea, forests]. Tarkhova, T N; Ipatov, V S *Sov J Ecol* 6 (1): 43-48. Jan/Feb 1975

57.9 ST52
Fertilization and botanical composition of grassland. (Dut) Dirven, J G P; Neuteboom, J H *Stikstof ('S Grav)* 80 (7): 224-231. Ref. Sept 1975

A99.9 F7632U
Ecology and management of Southwestern semidesert grass-shrub ranges: the status of our knowledge. Martin, S C; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 156, 39 P. Map. Ref. Nov 1975

A99.9 F7632U
Range management in the chaparral type and its ecological basis: the status of our knowledge. Cable, D R; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 155, 30 P. Map. Ref. Oct 1975

A99.9 F7632U
Range management in the central and southern Rocky Mountains: a summary of the state of our knowledge by range ecosystems. Paulsen, H A Jr; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 154, 34 P. Oct 1975

036252 A99.9 F7623U
Biological potential for the loblolly pine [Pinus taeda] ecosystem east of the Mississippi River. Boyce, S G; McClure, J P; Sternitzke, H S; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Pap SE U S Southeast For Exp Stn* 142, 27 P. Maps. Ref. Oct 1975

036253 442.9 M854
Ecological soil-botanical spectra of Solonetz soil complexes of the Turgai Valley. (Rus) Titov, IU V *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 85-91. May/June 1975

036254 20.5 Z5
Plant cover formation on reclaimed meadows in the Lyna river valley near Olsztyn. (Pol) Olkowski, M *Zesz Probl Postepow Nauk Roln* 169: 115-124. 1975

036255 20.5 Z5
Transformation of meadow and plant communities within the last few decades as an index of changes in natural and agricultural conditions [in Poland]. (Pol) Grynia, M *Zesz Probl Postepow Nauk Roln* 169: 31-40. 1975

036256 20.5 Z5
Transformation trends of plant cover and peat sites in river valleys under the influence of human activity. (Pol) Palczynski, A *Zesz Probl Postepow Nauk Roln* 169: 87-102. Maps. Ref. Eng. Sum. 1975

036257 20.5 Z5
[Meadow] plant communities in the Tysmienica river valley before and after regulation of water conditions. (Pol) Baryla, R *Zesz Probl Postepow Nauk Roln* 169: 109-114. Eng. Sum. 1975

036258 385 Z6
Study of a model of the two component plant community. (Rus) Alekseev, V V *Zh Obshch Khim* 36 (6): 914-919. Eng. Sum. Nov/Dec 1975

PLANT MORPHOLOGY, ANATOMY AND CYTOLOGY

036259 QK1.B32
Scanning electron microscopy of the backs of Tortula desertorum Broth. leaves coming from different localities in Spain. (Spa) Casas de Puig, C; Molinas, M L *Acta Phytotaxon Barcinonensia Barc Univ Dep Bot* 15: 14-18. 1975

036260 26 AG86
Short height of the rice plant and good panicle exertion. (Fre) Jacquot, M *Agron Trop (Paris)* 30 (3): 241-244. Eng. Sum. July/Sept 1975

036261 450 AM35
Microgramma piloselloides with furcate fertile fronds [Pteridophyta in Costa Rica]. Gomez, L D *Am Fern J* 65 (2): 61. Apr/June 1975

036262 450 AM35
Phloem structure and development in Blechnum orientale [Pteridophyta]. Fotedar, R L; Shah, J J *Am Fern J* 65 (2): 52-60. Ref. Apr-/June 1975

036263 450 AM35
Reproductive biology and gametophyte morphology of Acrostichum danaeifolium from Mexico [Pteridophyta]. Lloyd, R M; Gregg, T L *Am Fern J* 65 (4): 105-110. Ref. Oct/-Dec 1975

450 AM35
The spores and taxonomy of Isoetes butleri and Isoetes melanopoda [Pteridophyta]. Taylor, W C; Mohlenbrock, R H; Murphy, J A *Am Fern J* 65 (2): 33-38. Apr/June 1975

036264 450 AM36
Chromosome numbers in the genus Anthurium. Sheffer, R D; Kamemoto, H *Am J Bot* 63 (1): 74-81. Ref. Jan 1976

036265 450 AM36
Developmental studies in Ptychosperma (Palmae). I. The inflorescence and the flower cluster. Uhl, N W *Am J Bot* 63 (1): 82-96. Ref. Jan 1976

036266 450 AM36
Developmental studies in Ptychosperma (Palmae). II. The staminate and pistillate flowers. Uhl, N W *Am J Bot* 63 (1): 97-109. Ref. Jan 1976

036267 450 AM36
Sieve-element ultrastructure in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous wall thickening and maturation of the protoplast. Evert, R F; Eichhorn, S E *Am J Bot* 63 (1): 30-48. Ref. Jan 1976

036268 450 AM36
Studies on Sargassum. I. A light microscopic examination of the wound regeneration process in mature stipes of Sargassum filipendula [Algae]. Fagerberg, W R; Dawes, C J *Am J Bot* 63 (1): 110-119. Ref. Jan 1976

036269 450 AN7
A reinvestigation of the development of the embryo sac in Gastrodia elata Blume (Orchidaceae). Abe, K *Ann Bot* 40 (165): 99-102. Jan 1976

036270 450 AN7
Cell length variation in the secondary phloem of Dalbergia spp. with increasing age of the vascular cambium. Ghouse, A K M; Yunus, M *Ann Bot* 40 (165): 13-16. Ref. Jan 1976

036271 450 AN7
Development of the tapetum in Pinus banksiana preceding sporogenesis. Dickinson, H G; Bell, P R *Ann Bot* 40 (165): 103-113. Ref. Jan 1976

036272 450 AN7
Sexual dimorphism in Cirsium arvense (L.) Scop. Lloyd, D G; Myall, A J *Ann Bot* 40 (165): 115-123. Ref. Jan 1976

036273 450 AN7
Simulations of the ontogeny of Spongiophyton, a Devonian [thallophyte] plant. Niklas, K J; Chaloner, W G *Ann Bot* 40 (165): 1-11. Ref. Jan 1976

036274 450 AN75
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. (Fre) Kuligowski-Andres, J *Ann Sci Nat Bot Biol Veg* (Ser. 12) 16 (3): 249-307. Ref. July/Sept 1975

036275 450 AN75
Some informations given by the study of the anatomy of Selaginella myosurus (Sw.) Alston [Phylogeny]. (Fre) Nozeran, R; Espagnac, H *Ann Sci Nat Bot Biol Veg* (Ser. 12) 16 (3): 309-318. Eng. Sum. July/Sept 1975

036276 QH301.C8
Some aspects of mitosis in primitive green algae: phylogeny and function. Stewart, K D; Mattox, K R *Bio Systems* 7 (3/4): 310-315. Ref. Nov 1975

036277 QH301.C8
The possible significance of variations in the mitotic systems of the aquatic fungi (phycomycetes). Heath, I B *Bio Systems* 7 (3/4): 351-359. Ref. Nov 1975

036278 381 B522
Ribosomal RNA genes in the nucleus and chloroplast of Euglena [gracilis, algae]. Gruol, D; Rawson, J R Y; Haselkorn, R *Biochim Biophys Acta* 141 (1): 20-29. Ref. Nov 18, 1975

036279 20 ER4
Anatomical study of the cladodes of some species of the genus Asparagus L. (Rus) Tamanian, K G *Biol Zh Arm* 28 (5): 69-74. May 1975

036280 20 ER4
Study on the effect of dimethylsulphate on the development of mother pollen cells in Coreopsis tinctoria. (Arm) Pogosian, V S; Agadzhanian, E A; Khachatrian, N K *Biol Zh Arm* 28 (5): 47-51. Ref. May 1975

036281 20 ER4
The development of the megagametophyte in Chrysanthemum maximum R. (Arm) Ervandian, S G *Biol Zh Arm* 28 (6): 81-85. Ref. June 1975

036282 20 ER4
Ultrastructure of pepper leaves with chlorophyll changes under the effect of nitrosomethylurease. (Rus) Batikian, G G; Gukasian, L A; Sarkisian, S A; Abramian, L Kh *Biol Zh Arm* 28 (5): 14-16. Ref. May 1975

036283 451 R923
Arrangement and reduction of perianth and androecium parts in representatives of Ulmaceae Mirbel and Celtidaceae Link. (Rus) Chernik, V V *Bot Zh* 60 (11): 1561-1573. Maps. Eng. Sum. Nov 1975

036284 451 R923
Development of the seed, endosperm and embryo in Cynomoriumsongaricum Rupr. (Cynomoriaceae). (Rus) Terekhin, E S; Nikiticheva, Z I; IAkovlev, M S *Bot Zh* 60 (11): 1603-1613. Ref. Nov 1975

036285 451 R923
Formation and development of spermia in some angiosperms. I. Poaceae (Gramineae). II. Asteraceae (Compositae). (Rus) Tatintseva, S S *Bot Zh* 60 (12): 1707-1720. Ref. Eng. Sum. Dec 1975

036286 451 R923
On the evolution of life forms in the family Berberidaceae S. L. (Rus) Oganezova, G G *Bot Zh* 60 (12): 1665-1675. Ref. Eng. Sum. Dec 1975

036287 451 R923
Stomatographic study of the Flagellariaceae. (Rus) Baranova, M A *Bot Zh* 60 (12): 1690-1697. Ref. Eng. Sum. Dec 1975

036288 451 R923
Ultrastructural peculiarities of cells and plastids during change from tissue culture heterotrophic nutrition to autotrophic one. (Rus) Bil', K IA; Oparina, L A *Bot Zh* 60 (11): 1613-1617. Ref. Nov 1975

036289 22.5 M6932B
Ultrastructural observations of yellowish green peels of Citrus unshiu Marc. (Jpn) Shimokawa, K; Horiba, K *Bull Fac Agric Univ Miyazaki* 22 (1): 1-19. Ref. Eng. Sum. Oct 1975

036290 470 C16C
Ageing characteristics of wood of healthy and sandhill-declined Citrus sinensis [Sweet oranges]. Nemec, S *Can J Bot* 53 (23): 2712-2719. Ref. Dec 1, 1975

036291 470 C16C
Cell enlargement and tissue differentiation during leaf expsnsion in beech, Fagus grandifolia. Dengler, N G; Mackay, L B; Gregory, L M *Can J Bot* 53 (23): 2846-2865. Ref. Dec 1, 1975

036292 470 C16C
Megasporogenesis and microsporogenesis in Vicia faba [Broadbeans]. Mitchell, J P *Can J Bot* 53 (23): 2804-2812. Ref. Dec 1, 1975

036293 470 C16C
Ontogeny of phloem transfer cells in Hieracium floribundum. Peterson, R L; Yeung, E C *Can J Bot* 53 (23): 2745-2758. Ref. Dec 1, 1975

036294 470 C16C
The apical aparatus of the suboperculate ascus [Cytochemical and ulrastructural studies, fungi, Sarcoscyphineae]. Samuelson, D A *Can J Bot* 53 (22): 2660-2679. Plates. Ref. Nov 15, 1975

036295 470 C16C
The quiescent center and primary vascular tissue pattern formaton in cultured roots of Zea [mays, maize]. Feldman, L J; Torrey, J G *Can J Bot* 53 (23): 2796-2803. Ref. Dec 1, 1975

036296 442.8 C25
An electron microscopic study of the nucellus cells in bothriochloa ischaemum L. Moskova, R D *Caryologia* 28 (3): 295-300. Ref. July/Sept 1975

036297 442.8 C25
Chloroplast protrusions in Arisarum proboscideum (L.) Savi. Morassi Bonzi, L; Fabbri, F *Caryologia* 28 (3): 407-426. Plates. Ref. July/Sept 1975

036298 442.8 C25
Observations on the fine structure of the haustorium of Melampsora pinitorqua (A. Br.) Rostr. in cells of Pinus pinea L. Longo, N; Naldini Longo, B *Caryologia* 28 (3): 389-405. Ref. July/Sept 1975

036299 442.8 C25
Pachytene chromosome morphology of Solanum nodiflorum Jacq. Bhiravamurty, P V *Caryologia* 28 (3): 287-294. Ref. July/Sept 1975

036300 QH581.A1Z4
Cycling aggregation patterns of cytoplasmic F-actin coordinated with oscillating tension force generation [Physarum polycephalum, fungi]. Wohlfarth-Bottermann, K E; Fleischer, M *Cell Tissue Res* 165 (3): 327-344. Plates. Ref. 1976

036301 64.8 C883
Glycine canescens F. J. Herm., a wild relative of the soybean [Morphological, cytological, and certain chemical characteristics]. Newell, C A; Hymowitz, T *Crop Sci* 15 (6): 879-881. Map. Nov/Dec 1975

036302 64.8 C883
Polyembryony in Kentucky bluegrass [Poa pratensis] as a source of variation in disease reaction [Drechslera triseptata, Erysiphe graminis]. Ostazeski, S A; Poole, T E; Wilton, A C; Murray, J J *Crop Sci* 15 (6): 820-821. Ref. Nov/Dec 1975

64.8 C883
The crested wheatgrasses [Agropyron cristatum] of Iran [Distribution, cytology, morphology, and fertility]. Dewey, D R; Asay, K H *Crop Sci* 15 (6): 844-849. Map. Ref. Nov/Dec 1975

036303 475 SCI23
A modified schedule for sugarcane chromosomes. Sharma, C B S R; Behera, B N; Velayudham, N *Curr Sci* 45 (1): 28. Jan 5, 1976

036304 475 SCI23
A note on the pollen morphology of Corchorus capsularis Linn. Corchorus olitorius Linn. and their hybrid. Srivastava, V *Curr Sci* 45 (1): 27-28. Jan 5, 1976

036305 475 SCI23
Development of female gametophyte in Hymentherum tenuifolium Cass. Pandey, A K; Singh, R P *Curr Sci* 45 (1): 29-30. Jan 5, 1976

036306 QH573.C9
Separation of cell types in synchronized cultures of Volvoxcarteri [Algae]. Yates, I; Darley, M; Kochert, G *Cytobios* 12 (47/48): 211-223. Ref. 1975

036307 511 P444A
Study of the dynamics of formation of the surface membrane in isolated microdroplets of cytoplasm of Phycomyces blakesleeanus [Fungi]. (Rus) Zaichkin, E I; Orlova, S A; Fikhte, B A *Dokl Akad Nauk SSSR* 225 (5): 1187-1189. Ref. 1975

036308 442.8 EX7
Localization of DNA replicator sites near the nuclear membrane in plant cells [Haplopappus gracilis]. Sparvoli, E; Galli, M G; Mosca, A; Paris, G *Exp Cell Res* 97 (1): 74-82. Ref. Jan 1976

036309 442.8 EX7
Multinucleate plant cells. I. Aneuploidy in a proliferating population. Hervas, J P *Exp Cell Res* 97 (1): 203-212. Ref. Jan 1976

036310 450 R29
Structure, ontogeny, classification and organographic distribution of trichomes in some Cucurbitaceae. Inamdar, J A; Gangadhara, M *Feddes Repert* 86 (5): 307-320. Ref. 1975

036311 448.3 C332
The chitin-glucan complex of Saccharomyces cerevisiae [Yeasts]. III. Electron-microscopic study of the prebudding stage. Seichertova, O; Beran, K; Holan, Z; Pokorny, V *Folia Microbiol* 20 (5): 371-378. Ref. 1975

036312 99.8 F7623
Irregular anatomical features of wood as an aid in silviculture. Glerum, C *For Chron* 51 (5): 185-187. Ref. Oct 1975

036313 450 N92
A survey of different types of vacuoles in the Cyanophyceae[Algae]. Andreis, C *G Bot Ital* 109 (4/5): 193-204. Ref. July/Oct 1975

036314 QK882.G42
Molecular size and the information content of chloroplast DNA s from higher plants. Thomas, J R; Kolodner, R; Tewari, K K *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 9-30. 1972 (Pub. 1975)

036315 QR111.S67
A microbiologist's view of root anatomy. Mosse, B *In Soil Microbiology. N. Walker, ed.* P. 39-66. Ref. 1975

036316 442.8 IN2
Effect of colchicine, maleic hydrazide, caffeine & theobromine on cell division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). Sarma, Y S R K; Shyam, R *Indian J Exp Biol* 13 (4): 387-392. Ref. July 1975

036317 442.8 IN2
Mode of yeast [Saccharomyces cerevisiae] inhibition by A-435 antibiotic. Chandra, A L; Jarvis, B *Indian J Exp Biol* 13 (4): 410-411. Ref. July 1975

036318 442.8 IN2
Proteases of Neurospora crassa: their role in morphology [Fungi]. Mehta, N M; Mahadevan, P R *Indian J Exp Biol* 13 (2): 131-134. Ref. Mar 1975

036319 TA166.J6
Cell wall structure and mechanical properties of Phycomyces[Fungi]. Ahlquist, C N; Iverson, S C; Jahsman, W E *J Biomech* 8 (6): 357-362. Ref. 1975

036320 QH301.J6
Critical density for relaying in Dictyostelium discoideum [fungi] and its relation to phosphodiesterase secretion into the extracellular medium. Gingle, A R *J Cell Sci* 20 (1): 1-20. Ref. Jan 1976

036321 QH301.J6
Immunohistochemical localization of alpha-amylase in barley aleurone cells. Jones, R L; Chen, R F *J Cell Sci* 20 (1): 183-198. Ref. Jan 1976

036322 QH301.J6
The development of the relaying competence in Dictyosteliumdiscoideum [Fungi]. Gingle, A R; Robertson, A *J Cell Sci* 20 (1): 21-27. Jan 1976

036323 QH301.J6
The influence of gibberellic acid and abscisic acid on cell and tissue differentiation of bean callus. Haddon, L; Northcote, D H *J Cell Sci* 20 (1): 47-55. Ref. Jan 1976

036324 448.3 J823
Morphology and growth kinetics of hyphae of differentiated and undifferentiated mycelia of Neurospora crassa [Fungi]. Steele, G C; Trinci, A P J *J Gen Microbiol* 91 (Pt. 2): 362-368. Dec 1975

036325 450 J8223
A contribution to the floral anatomy and embryology of Ochnaceae. Narayana, L L *J Jap Bot* 50 (11): 329-336. Ref. Nov 1975

036326 450 J8223
Pharmacognostic studies on some species of the genus Rhanmus. 1. [Cytology]. (Jpn) Okada, M *J Jap Bot* 50 (11): 342-351. Ref. Eng. Sum. Nov 1975

036327 450 J8223
Studies on the leaf-margins. 2. On the leaf-margin morphology of Cercidiphyllum japonicum Sieb et Zucc. (Jpn) Tuyama, T *J Jap Bot* 50 (12): 363-371. Eng. Sum. Dec 1975

036328 442.8 J8224
Crystallographic data and circular dichroism spectrum of lipase from Geotrichum candidum Link [Fungi]. Sugihara, A; Tsujisaka, Y; Iwai, M; Tominaga, Y; Okumura, S; Tanaka, N; Kakudo, M *J Mol Biol* 99 (4): 807-808. Dec 1975

036329 442.9 J27
Karyological studies on crown gall tumors [caused by Agrobacterium tumefaciens] of the pea. Kodama, A *Jap J Genet* 50 (4): 291-299. Aug 1975

036330 99.8 IZ8
On variations in anatomical structure of the bark of two species of larch [Larix sibirica, Larix dahurica]. (Rus) Eremin, V M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 22-26. Ref. 1975

036331 SD1.L44
Morphological and physiological characteristics of the apical meristem of the shoot of Quercus robur at various stages of ontogeny. (Rus) Khashes, TS M; Davydova, N I *Lesovod Agrolesomelior* 41: 34-41. 1975

036332 107.6 K114
Distribution and quantity of starch granules in sugarcane tissues. Ikeda, M; Tazaki, Y *Mem Fac Agric Kagoshima Univ* 11 (20): 61-75. Ref. Mar 1975

036333 450 N99
Chromosome numbers of vascular plants from Macaronesia. Borgen, L *Nytt Mag Bot* 22 (2): 71-76. Ref. 1975

036334 450 N99
Fruit, seed, and myrmecochorous dispersal in Micrantheum (Euphorbiaceae). Berg, R Y *Nytt Mag Bot* 22 (3): 173-194. Ref. 1975

036335 450 N99
On crystals in the fruits of Grewia subinaequalis. Kapil, R N; Tiwari, S C *Nytt Mag Bot* 22 (2): 99-104. Ref. 1975

036336 450 N99
Shoot system and terminal bud of Salicaceae [Populus, Salix]. Roer, H F *Nytt Mag Bot* 22 (1): 15-20. Ref. 1975

036337 QK564.P58
A survey of chloroplast ultrastructure in the Dinophyceae [Algae]. Dodge, J D *Phycologia* 14 (4): 253-263. Ref. Dec 1975

036338 QK564.P58
An effect of osmotic pressure on the valve morphology of the diatom Skeletonema subsalsum (A. Cleve) Bethge [Algae]. Paasche, E; Johansson, S; Evensen, D L *Phycologia* 14 (4): 205-211. Ref. Dec 1975

036339 QK564.P58
Microspectrophotometric analysis of DNA replication in Eudorina elegans (Volvocales, Chlorophyta) [Algae]. Lee, K A; Kemp, C L *Phycologia* 14 (4): 247-252. Ref. Dec 1975

036340 QK564.P58
Phenetic implications of structural features of the perennating phase in the life history of Porphyra and Bangia (Bangiophyceae, Rhodophyta) [Algae]. Cole, K; Conway, E *Phycologia* 14 (4): 239-245. Ref. Dec 1975

036341 QK564.P58
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and X-ray microanalysis [Algae]. Silverberg, B A *Phycologia* 14 (4): 265-274. Ref. Dec 1975

450 P692
Effects of water stress on the ultrastructure of leaf cells of Sorghum bicolor. Giles, K L; Cohen, D; Beardsell, M F *Plant Physiol* 57 (1): 11-14. Jan 1976

036342 450 P762
Diagnostic characters of saccate pollen grains. (Fre) Sivak, J *Pollen Spores* 17 (3): 349-421. Ref. Eng. Sum. 1975

036343 450 P762
Observations on exine structure of Eucommiidites and lower Cretaceous angiosperm pollen. Doyle, J A; Van Campo, M; Lugardon, B *Pollen Spores* 17 (3): 429-486. Ref. 1975

036344 442.8 P94
Evidence for structural units in chloroplast thylakoids [Nymphoides indica, beans]. Steveninck, M E van; Steveninck, R F M van *Protoplasma* 86 (4): 381-389. Ref. 1975

036345 442.8 P94
Factors influencing changes in ploidy and nuclear DNA levels in cells from normal, crown-gall and habituated cultures of Helianthus annuus L. [Sunflowers]. Butcher, D N; Sogeke, A K; Tommerup, I C *Protoplasma* 86 (4): 295-308. Ref. 1975

036346 442.8 P94
Filament formation in the diatom Skeletonema costatum [Algae]. Housley, H L; Scheetz, W; Pessoney, G F *Protoplasma* 86 (4): 363-368. Ref. 1975

036347 442.8 P94
Isolation, culture, and induction of embryogenesis in protoplasts from cell-suspensions of Atropa belladonna. Gosch, G; Bajaj, Y P S; Reinert, J *Protoplasma* 86 (4): 405-410. 1975

036348 442.8 P94
Multinuclear stages of the life cycle of Acetabularia mediterranea [Algae]. Koop, H U *Protoplasma* 86 (4): 351-362. Ref. 1975

036349 442.8 P94
Observations of the penetration of the phloem in leaves of Nerium oleander (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). Botha, C E J; Evert, R F; Walmsley, R D *Protoplasma* 86 (4): 309-319. Ref. 1975

036350 442.8 P94
Simultaneous demonstration of separate phases with different phenol content in the leaf epidermis cells of Salix alba L. (Ger) Kartusch, B *Protoplasma* 86 (4): 371-379. Eng. Sum. 1975

036351 442.8 P94
Some ultrastructural aspects of spermatogenesis in Lycopodium complanatum. Carothers, Z B; Robbins, R R; Haas, D L *Protoplasma* 86 (4): 339-350. Ref. 1975

036352 442.8 P94
The fine structure of the zoospores of Fritschiella tuberosa Iyeng. (Chaetophorineae, Chlorophyceae) with special reference to the flagellar apparatus [Algae]. Melkonian, M *Protoplasma* 86 (4): 391-404. Ref. 1975

036353 SD1.C52
The trichomes of Paulownia of Taiwan. (Chi) Hu, T W; Lin, T P *Q J Chin For* 8 (2): 1-9. Ref. Eng. Sum. June 25, 1975

036354 80 SCH9
Anatomy and physiology of the grapevine. (Ger) Koblet, W *Schweiz Z Obst Weinbau* 111 (26): 676-686. (Continued) Dec 13, 1975

036355 470 SCI2
Role of the generative cell in androgenesis in henbane [Anthers, uninucleate pollen grains]. Raghavan, V *Science* 191 (4225): 388-389. Ref. Jan 30, 1976

036356 470 SCI2
Septal pores in Prototaxites, an enigmatic Devonian plant. Schmid, R *Science* 191 (4224): 287-288. Ref. Jan 23, 1976

036357 S13.S44
Procedure to isolate cell nuclei from the callus of tobacco. (Rus) Molodiuk, O I; Konstantinova, T N; Aksenova, N P *S-kh Biol* 10 (2): 306-308. Mar/Apr 1975

036358 S13.S44
Study of the variability of some anatomical-morphological properties of wheat grain. (Rus) Guseinov, A G *S-kh Biol* 10 (1): 136-137. Jan/Feb 1975

036359 511 AK146
Study of some factors influencing the formation of endosperm and endospermous haustoria with Ocimum basilicum L. (Rus) Kobakhidze, L A *Soobshch Akad Nauk Gruz SSR* 80 (1): 137-140. Eng. Sum. Oct 1975

036360 450 SU12
Morphological wealth in Gymnocalycium [Succulents]. (Dut) Bock, R de *Succulenta* 55 (1): 13-15. (Conclusion) Jan 1976

036361 450 SU12
Polymorphism in Gymnocalycium. II. (Dut) Bock, R de *Succulenta* 54 (11): 215-217. Nov 1975

036362 QH573.T5
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris [kidney beans] phloem by the use of the azo dye method. Esau, K; Charvat, I D *Tissue Cell* 7 (4): 619-630. Ref. 1975

036363 514 AD3
The thallus and spore development of Lobospira bicuspidata Areschoug (Dictyotales: Phaeophyta). Edelstein, T; Womersley, H B S *Trans R Soc South Aust Inc* 99 (3): 149-156. Aug 30, 1975

036364 QH573.T75
Differences in the rate of mitotic transformation of chromosomes in the endosperm of some monocotyledonous plants [Irispumila, Lilium davidii, onions]. (Rus) Sokolov, I D; Bondarenko, A M; Alekseichuk, T I *Tsitol Genet* 9 (6): 491-493. Ref. Eng. Sum. Nov/-Dec 1975

036365 QH573.T75
Electron-cytochemical study in localization of glucose-6-phosphatase activity of cytoplasm of Funaria hygrometrica cells. (Rus) Nedukha, E M *Tsitol Genet* 9 (6): 523-528. Ref. Eng. Sum. Nov/Dec 1975

036366 QH573.T75
On dependence of fruit weight upon the number of seeds in pear trees. (Rus) Karacharova, L P *Tsitol Genet* 9 (6): 515-517. Eng. Sum. Nov/Dec 1975

036367 QH573.T75
Radiosensitivity aerial bulbils of garlic [chromosome aberrations]. (Rus) Zhila, E D *Tsitol Genet* 9 (6): 501-504. Eng. Sum. Nov/Dec 1975

036368 442.8 T78
A comparative study of the quiescent center and primary meristematic tissues in the roots of maize and horsebeans. (Rus) Pavlova, O G *TSitologiia* 17 (12): 1362-1367. Ref. Eng. Sum. Dec 1975

036369 442.8 T78
Effect of DNA synthesis inhibitor 5-aminouracil on the mitotic cycle of sprouting seeds of Crepis capillaris L. (Rus) Makedonov, G P; Sidorov, V P *TSitologiia* 17 (11): 1300-1305. Eng. Sum. Nov 1975

036370 442.8 T78
The age of chloroplasts in mesophyll of deciduous and evergreen plants. (Rus) Gamalei, IU V *TSitologiia* 17 (11): 1243-1248. Ref. Eng. Sum. Nov 1975

036371 442.8 T78
The mitotic activity of germinating seeds of barley varieties differing in their cold resistance. (Rus) Avilova, L D; Mironenko, S I; Le Tkhee Zon, *TSitologiia* 17 (12): 1368-1371. Ref. Eng. Sum. Dec 1975

036372 442.8 T78
The nucleolar morphology in anther tissues of the onion Allium fistulosum L. (Rus) Beliaeva, E S *TSitologiia* 17 (11): 1249-1252. Ref. Eng. Sum. Nov 1975

PLANT GENETICS AND BREEDING

036373 14 P215BC
Genetics and agricultural economy. I. Plant productions. (Fre) Bustarret, J *Acad Agric Fr C R Seances* 61 (6, Special No.): 315-317. 1975

036374 14 P215BC
Progress of biological sciences and development of selection [Plants]. (Fre) Rives, M *Acad Agric Fr C R Seances* 61 (6): 327-335. 1975

036375 19 AC8
Number of replications and reliability of the experiment in winter wheat trials [Breeding research]. Balla, L; Szunics, L *Acta Agron (Budap)* 24 (3/4): 399-403. 1975

036376 19 AC8
Spontaneous diploidization in haploid Nicotiana silvestris Speg. et Comes. Szilagyi, L *Acta Agron (Budap)* 23 (3/4): 269-275. Ref. 1975

036377 1.98 AG84
Toward sturdier stalks [Breeding maize for lodging resistance]. U.S. Agricultural Research Service *Agric Res* 24 (5): 3-5. Nov 1975

036378 24 EG94
Heterosis and combining ability in a spring wheat diallel cross. I. Grain yield and its components. Hassanien, E H; Selim, A K A; Ibrahim, H A; Attia, S E A *Agric Res Rev* 52 (8): 1-8. Aug 1974 (Pub. 1975)

036379 24 EG94
Heterosis and combining ability in a spring wheat diallel cross. 2. Some agronomic characters. Selim, A K A; Hassanien, E H; Dessouki, S M; Attia, S E A *Agric Res Rev* 52 (8): 9-17. Ref. Aug 1974 (Pub. 1975)

036380 24 EG94
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and seed set on male-sterile wheat. Ibrahim, H A; Hassanien, E H; Dessouki, S M; Attia, S E A *Agric Res Rev* 52 (8): 21-23. Ref. Aug 1974 (Pub. 1975)

036381 24 EG94
Potentialities of gene exchange in selection programs for earliness, in some crosses between Egyptian and Upland cottons. el-Hattab, H E; Radwan, S R H; Emara, E H *Agric Res Rev* 52 (8): 65-74. Ref. Aug 1974 (Pub. 1975)

036382 24 EG94
Tests of male fertility restoration in some common wheat varieties (Triticum aestivum L). Abo-Elenein, R A; Ibrahim, H A; Sadek, M M *Agric Res Rev* 52 (8): 49-54. Ref. Aug 1974 (Pub. 1975)

036383 15 AG84
F1 hybrids of peach and almond [Prunus amygdalus] trees as models for both species. (Spa) Felipe, A *Agricultura (Madr)* 44 (521): 661-663. Ref. Sept 1975

036384 26 AG86
Best starting plant material. Structure of natural populations. Plant exploration methods. Observations on the collected material [Population genetics]. (Fre) Pernes, J *Agron Trop (Paris)* 30 (3): 205-216. Eng. Sum. July/Sept 1975

036385 26 AG86
The recurrent selection. Objectives and methods [Maize]. (Fre) Marchand, J L *Agron Trop (Paris)* 30 (3): 217-230. Ref. Eng. Sum. July/Sept 1975

036386 450 AM35
Gametophyte sex expression in some species of Dryopteris [Pteridophyta]. Cousens, M I *Am Fern J* 65 (2): 39-42. Ref. Apr/June 1975

036387 75.8 P842
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. Sams, D W; Lauer, F I; Radcliffe, E B *Am Potato J* 53 (1): 23-29. Jan 1976

036388 450 AN7
Differences in vegetative characteristics among four populatons of Senecio vulgaris L. possibly due to interspecific hybridization. Monaghan, J L; Hull, P *Ann Bot* 40 (165): 125-128. Jan 1976

036389 105.4 P435
Caryokinetic activity and dosage of DNA in root tips of Allium cepa L. [Onions] treated with B-995 [Mitosis]. (Ita) Preziosi Tamagnini, R; Romano, B *Ann Perugia Univ Fac Agrar* 29: 43-61. Eng. Sum. 1974

036390 439.8 AR2
Sex expression in aneuploid gametophytes of the brown alga Ectocarpus siliculosus (Dillw.) Lyngb. Muller, D G *Arch Protistenkd* 117 (3): 297-302. 1975

036391 AS21.A75U53
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. Dilday, R H; Shaver, T N; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 80, 7 P. Ref. Jan 1976

036392 450 AU72
Estimation of the mating system of Eucalyptus obliqua L'Herit. by using allozyme polymorphisms. Brown, A H D; Matheson, A C; Eldridge, K G *Aust J Bot* 23 (6): 931-949. Ref. Dec 1975

036393 381 B522
Genetic control of sterol esterification in developing wheat endosperm. Torres, J V; Garcia-Olmedo, F *Biochim Biophys Acta* 409 (3): 367-375. Ref. Dec 17, 1975

036394 442.8 B523
Structure and function of the genetic information in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. (Ger) Knoth, R *Biol Zentralbl* 94 (6): 681-694. Ref. Eng. Sum. Nov/Dec 1975

036395 442.8 B523
Studies on intraindividual and interindividual variation of rye chromosome pairing in diploid and tetraploid populations. II Individual variation. (Ger) Schlegel, R; Mettin, D *Biol Zentralbl* 94 (6): 703-715. Ref. Eng. Sum. Nov/Dec 1975

036396 20 ER4
Effect of caffeine on radiation damage in wheat with different ploidy. (Rus) Muradian, A A; Avakian, V A *Bioi Zh Arm* 28 (5): 53-57. Ref. May 1975

036397 20 ER4
Wheat feminization and polygeny. (Rus) Galstian-Avanesian, S Kh *Biol Zh Arm* 28 (6): 60-65. June 1975

036398 500 AM322A
The inheritance of genes in mitchondria and chloroplasts [Plants, animals]. Birky, C W Jr *BioScience Am Inst Biol Sci* 26 (1): 26-33. Ref. Jan 1976

036399 450 B6527
On O. Winge and a prayer: the origins of polyploidy [in the higher plants]. Harlan, J R; DeWet, J M J *Bot Rev* 41 (4): 361-390. Ref. Oct/Dec 1975

036400 65.8 B73
Genetic Program of the Sugar and Alcohol Institute, National Program for Sugarcane Improvement, Brazil. (Por) Zacharias, C A B *Bras Acucar* 86 (3): 24-28. Sept 1975

036401 65.8 B73
Scheme for improvement of sugarcane resistance to pests and diseases [Breeding]. (Por) Cesnik, R *Bras Acucar* 86 (4): 30-32. Oct 1975

036402 65.8 B73
Selection within sugarcane populations for resistance to the sugarcane froghopper Mahanarva posticata Stal (Homoptera, Cercopidae) in Pernambuco. (Por) Marques, E J *Bras Acucar* 86 (4): 25-29. Oct 1975

036403 512 W262
A contribution to the production of haploids in rye, Secalecereale L. Malepszy, S *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 167-172. 1975

036404 390.8 B87
Present state of works on genetic and sanitary clonal selection. Method and results, spread of selected material [Grapes]. (Fre) Spiegel-Roy, P; Safran, B *Bull O I V* 48 (536): 837-841. Oct 1975

036405 443.8 C16
Chromosome associations at pachytene in the interchange heterozygotes of Sorghum bicolor. Reddi, V R; Rao, E V B *Can J Genet Cytol* 17 (4): 651-654. Ref. Dec 1975

036406 443.8 C16
Chromosome doubling of barley haploids by nitrous oxide and colchicine treatments. Subrahmanyam, N C; Kasha, K J *Can J Genet Cytol* 17 (4): 573-583. Ref. Dec 1975

036407 443.8 C16
Genic analysis for acid phosphatase isozymes in Oryza perennis and Oryza sativa [Rice]. Pai, C; Endo, T; Oka, H I *Can J Genet Cytol* 17 (4): 637-650. Ref. Dec 1975

036408 443.8 C16
In vitro production of plants from pollen in Brassica campestris [Bird rape, plant breeding]. Keller, W A; Rajhathy, T; Lacapra, J *Can J Genet Cytol* 17 (4): 655-666. Ref. Dec 1975

036409 443.8 C16
Inheritance of pericarp thickness in short season maize inbreds. Ho, L C; Kannenberg, L W; Hunter, R B *Can J Genet Cytol* 17 (4): 621-629. Ref. Dec 1975

036410 443.8 C16
Innovative approaches to genetics in agriculture [Plant breeding]. Holl, F B *Can J Genet Cytol* 17 (4): 517-524. Ref. Dec 1975

036411 443.8 C16
Misdivision of an Agropyron chromosome. Sharma, D C; Morris, R; Schmidt, J W *Can J Genet Cytol* 17 (4): 615-619. Ref. Dec 1975

036412 443.8 C16
Polyploidy and mutations induced in apricot by colchicine treatment. Lapins, K O *Can J Genet Cytol* 17 (4): 591-599. Ref. Dec 1975

036413 443.8 C16
The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and mitotic gametogenesis in Ulva mutabilis [Algae]. Hoxmark, R C *Can J Genet Cytol* 17 (4): 553-561. Ref. Dec 1975

036414 442.8 C25
Cytogenetic research on hexaploid alfalfa, Medicago sativa L. Mariani, A *Caryologia* 28 (3): 359-373. Ref. July/Sept 1975

036415 442.8 C25
Nuclear DNA content and ploidy values in clonally-developed plasmodia of the myxomycete Didymium iridis [Fungi]. Therrien, C D; Yemma, J J *Caryologia* 28 (3): 313-320. Ref. July/Sept 1975

036416 442.8 C46
Meiotic behaviour of single-arm tetrasomic combinations of isochromosomes, telocentrics and normal chromosomes in rye (Secale cereale L.). Sybenga, J; Verhaar, H M *Chromosoma* 53 (4): 295-320. Ref. 1975

036417 100 F66C1
Florida 32 and Florida 56—two shrunken-2 (sh2) sweetcorn inbreds [Genetics]. Wolf, E A; Florida Agricultural Experiment Stations *Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 235, 4 P. Dec 1975

036418 73.8 C82
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the fiber yield and length. (Fre) Schwendiman, J *Coton Fibres Trop* 30 (2): 185-194. Ref. Eng. Sum. June 1975

036419 64.8 C883
A design III study of linkage disequilibrium for percent oil in maize [Genetic variance]. Moreno-Gonzalez, J; Dudley, J W; Lambert, R J *Crop Sci* 15 (6): 840-843. Ref. Nov/Dec 1975

036420 64.8 C883
An unusual miniature soybean [F2 generation]. Kilen, T C *Crop Sci* 15 (6): 871-872. Nov/Dec 1975

036421 64.8 C883
Average gene frequency estimates in two open-pollinated cultivars of corn. Goodrich, C L; Stucker, R E; Compton, W A *Crop Sci* 15 (6): 746-749. Nov/Dec 1975

036422 64.8 C883
Breeding potentials of noncultivated cottons. I. Some agronomic and fiber properties of selected parents and their F1 hybrids. Wilson, F D; Wilson, R L *Crop Sci* 15 (6): 763-766. Ref. Nov/Dec 1975

036423 64.8 C883
Characteristics and performance of interspecific hybrids between Kentucky bluegrass and Canada bluegrass [Poa pratensis, Poa compressa]. Dale, M R; Ahmed, M K; Jelenkovic, G; Funk, C R *Crop Sci* 15 (6): 797-799. Ref. Nov/Dec 1975

036424 64.8 C883
Chromosome pairing in triploid F1 and hexaploid F1, F2, and F3 generation of Gossypium hirsutum L. X Gossypium sturtianum Willis [Cotton]. Silva, F P da; Endrizzi, J E; Stith, L S; Muramoto, H *Crop Sci* 15 (6): 872-873. Nov/Dec 1975

036425 64.8 C883
Combining ability analysis of near-homozygous lines derived from a 12-parent diallel cross in oats. Stuthman, D D; Stucker, R E *Crop Sci* 15 (6): 800-803. Ref. Nov/Dec 1975

036426 64.8 C883
Contents of chlorophylls a and b in chlorophyll-deficient mutants of sweetclover. Specht, J E; Haskins, F A; Gorz, H J *Crop Sci* 15 (6): 851-853. Ref. Nov/Dec 1975

036427 64.8 C883
Effects of R1, a gene for red plant color, on American Pima cotton. Turcotte, E L; Feaster, C V *Crop Sci* 15 (6): 875-876. Nov/-Dec 1975

036428 64.8 C883
Genetic variation in enzyme activity of tall fescue [Festuca arundinacea] leaf blades. Nelson, C J; Treharne, K J; Lloyd, E J *Crop Sci* 15 (6): 771-774. Ref. Nov/Dec 1975

036429 64.8 C883
Genetics and breeding of 42-chromosome triticale. II. Relations between chromosomal variability and reproductive characters. Gustafson, J P; Qualset, C O *Crop Sci* 15 (6): 810-813. Ref. Nov/Dec 1975

036430 64.8 C883
Heritability estimates of percentage seed protein and available methionine and correlations with yield in dry [kidney] beans. Kelly, J D; Bliss, F A *Crop Sci* 15 (6): 753-757. Ref. Nov/Dec 1975

036431 64.8 C883
Identification of cotton haploids by stomatal chloroplast-count technique. Chaudhari, H K; Barrow, J R *Crop Sci* 15 (6): 760-763. Ref. Nov/Dec 1975

036432 64.8 C883
Index selection for several agronomic traits in the BSSS2 maize population. Suwantaradon, K; Eberhart, S A; Mock, J J; Owens, J C; Guthrie, W D *Crop Sci* 15 (6): 827-833. Ref. Nov/Dec 1975

036433 64.8 C883
Influence of lint percentage, boll size, and seed size on lint yield of Upland cotton with high fiber strength [Breeding, selection]. Culp, T W; Harrell, D C *Crop Sci* 15 (6): 741-746. Ref. Nov/Dec 1975

036434 64.8 C883
Laboratory technique for bleaching pea seeds [Identifying bleach-resistant selections]. Riehle, W G; Muehlbauer, F J *Crop Sci* 15 (6): 853-855. Nov/Dec 1975

64.8 C883
Linkage tests among genes for six qualitative characters in sunflowers [Fungus diseases resistance]. Fick, G N; Zimmer, D E *Crop Sci* 15 (6): 777-779. Ref. Nov/Dec 1975

036435 64.8 C883
Natural crossing in guar, Cyamopsis tetragonoloba (L.) Taub. Stafford, R E; Lewis, C R *Crop Sci* 15 (6): 876-877. Nov/Dec 1975

036436 64.8 C883
Persistence of the glandless genotype in a composite cross of Upland cotton on the Texas High Plains. Quisenberry, J E; Ray, L L; Rummel, D R *Crop Sci* 15 (6): 883-884. Ref. Nov/Dec 1975

036437 64.8 C883
Pollen movement within and between rows to male-sterile soybeans. Boerma, H R; Moradshahi, A *Crop Sci* 15 (6): 858-861. Ref. Nov/Dec 1975

036438 64.8 C883
Protein composition in developing groats of an Avena sativaL. cultivar and an Avena sativa X Avena sterilis L. selection [Oats]. Ohm, H W; Peterson, D M *Crop Sci* 15 (6): 855-858. Ref. Nov/Dec 1975

64.8 C883
Reaction of diallel crosses of maize in T and N cytoplasms to Bipolaris maydis race T [Breeding for disease resistance]. Scott, G E; Futrell, M C *Crop Sci* 15 (6): 779-782. Ref. Nov/Dec 1975

036439 64.8 C883
Registration of Majestic Kentucky bluegrass [Poa pratensis]. Peterson, R J; Pepin, G W; Funk, C R *Crop Sci* 15 (6): 885. Nov/-Dec 1975

036440 64.8 C883
Registration of Texoka buffalograss [Buchloe dactyloides]. Voigt, P W; Kneebone, W R; Harlan, J R; Ahring, R M *Crop Sci* 15 (6): 885. Nov/Dec 1975

036441 64.8 C883
Registration of Hawaiian Giant K8 Leucaena [latisiliqua]. Brewbaker, J L *Crop Sci* 15 (6): 885-886. Nov/Dec 1975

036442 64.8 C883
Registration of Abarr proso millet [Panicum miliaceum]. Hinze, G; Mann, H O *Crop Sci* 15 (6): 886. Nov/Dec 1975

036443 64.8 C883
Registration of Butte foxtail millet [Setaria italica]. Hinze, G; Hamilton, J *Crop Sci* 15 (6): 886. Nov/Dec 1975

036444 64.8 C883
Registration of Lebonnet rice. Bollich, C N; Webb, B D; Scott, J E; Atkins, J G *Crop Sci* 15 (6): 886. Nov/Dec 1975

036445 64.8 C883
Registration of M5 rice. Carnahan, H L; Mastenbroek, J J; Tseng, S T; Johnson, C W *Crop Sci* 15 (6): 887. Nov/Dec 1975

036446 64.8 C883
Registration of Okema rye. Edwards, L H; Smith, E L; Sebesta, E E; Wood, E A; Pass, H *Crop Sci* 15 (6): 888. Nov/Dec 1975

036447 64.8 C883
Registration of Cardon wheat. Dewey, W G *Crop Sci* 15 (6): 888. Nov/Dec 1975

036448 64.8 C883
Registration of Hansel wheat. Dewey, W G *Crop Sci* 15 (6): 888. Nov/Dec 1975

036449 64.8 C883
Registration of alfalfa germplasm from cultivated X wild hybrids. Bingham, E T *Crop Sci* 15 (6): 889. Nov/Dec 1975

036450 64.8 C883
Registration of group B birdsfoot trefoil germplasm. Miller, J D *Crop Sci* 15 (6): 889-890. Nov/Dec 1975

036451 64.8 C883
Registration of group H birdsfoot trefoil germplasm. Miller, J D *Crop Sci* 15 (6): 890. Nov/Dec 1975

036452 64.8 C883
Registration of elite maize germplasm lines. Widstrom, N W; Wiseman, B R; McMillian, W W *Crop Sci* 15 (6): 890. Nov/Dec 1975

036453 64.8 C883
Registration of Oklahoma triticale composite I germplasm. Edwards, L H; Smith, E L; Pass, H *Crop Sci* 15 (6): 890-891. Nov/Dec 1975

036454 64.8 C883
Registration of 20 lines of wheat germplasm. Allan, R E; Pritchett, J A *Crop Sci* 15 (6): 891-892. Nov/Dec 1975

036455 64.8 C883
Registration of 11 germplasm lines of Centana hard red spring wheat. McNeal, F H; Berg, M A *Crop Sci* 15 (6): 892. Nov/Dec 1975

036456 64.8 C883
Short internode character in soybeans and its inheritance. Kilen, T C; Hartwig, E E *Crop Sci* 15 (6): 878. Nov/Dec 1975

036457 64.8 C883
Use of triploid males for increasing hop yields. Haunold, A *Crop Sci* 15 (6): 833-840. Ref. Nov/Dec 1975

036458 475 SCI23
A waxless mutant in rai (Brassica juncea Coss). Nath, D K; Mukhopadhyay, S *Curr Sci* 45 (1): 33. Jan 5, 1976

036459 475 SCI23
Induced somatic pairing in Nigella sativa L. [Chromosomes]. Kumar, P; Nizam, J *Curr Sci* 45 (1): 32-33. Jan 5, 1976

036460 QH573.C92
Aneuploidy in corn autotetraploids. Strel'chuk, S I *Cytol Genet* 8 (6): 1-4. Ref. 1974

036461 QH573.C92
Changes in protein amino acid composition in the seeds of an induced spring vetch mutant. Zhebrak, E A; Shain, S S; Kolchin, N M *Cytol Genet* 8 (6): 13-16. Ref. 1974

036462 QH573.C92
Dynamics of the circadian mitotic rhythm during formation of Haplopappus gracilis strains during culturing in vitro. Kunakh, V A; Piven, N M *Cytol Genet* 8 (6): 9-12. Ref. 1974

036463 QH573.C92
Expression of mutant traits in different genotypic media in winter wheat. Orlik, A P *Cytol Genet* 8 (6): 57-60. 1974

036464 QH573.C92
Mutagenic activity of chemical compounds of the diazoketone class with respect to corn. Larchenko, E A; Morgun, V V *Cytol Genet* 8 (6): 29-31. Ref. 1974

036465 QH573.C92
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. Logvinenko, V F; Shkvarnikov, P K *Cytol Genet* 8 (6): 25-28. Ref. 1974

036466 QH573.C92
Pigments of the vegetable organs of soft winter wheat plants with cytoplasmic male sterility. Savchenko, N I; Borisyuk, V A; Il-'enko, I I *Cytol Genet* 8 (6): 5-8. Ref. 1974

036467 QH573.C92
Production of hybrid [potato] stock utilizing the species Solanum bulbocastanum. Overchu, V I; Podgaetskii, A A *Cytol Genet* 8 (6): 17-21. Ref. 1974

036468 QH573.C92
Relationship between root color and economically valuable traits in tetraploid hybrids between sugar and mangel-wurzel beets. Chekalina, I N; Gritsyuk, V N; Pestova, T M *Cytol Genet* 8 (6): 22-24. 1974

036469 511 P444A
Polymorphism of chromosomes of inbred lines and species of populations of rye (Secale cereale L.). (Rus) Tikhonovich, I A *Dokl Akad Nauk SSSR* 224 (4): 944-946. 1975

036470 S13.B82
A comparative study of gamma-ray, fast-neutron and ethyleneimine mutagenic effects on Phaseolus vulgaris [kidney beans]-chromosomes. Rukmansky, G *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 43-46. 1975

036471 S13.B82
A new gigantic tobacco form resistant to diseases [Breeding, Bulgaria]. Stojanova, M; Bailov, D *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 81-83. 1975

036472 S13.B82
A study on the number of ovules per fruit set in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. Mihailov, L *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 45-47. 1975

036473 S13.B82
General and specific combining abilities for percent of fruit set in a tomato (Lycopersicon esculentum Mill.) diallel cross. Milkova, L *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 39-42. Ref. 1975

036474 S13.B82
General and specific combining ability for mean fruit weight in a tomato (Lycopersicon esculentum Mill.) diallel cross. Milkova, L *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 23-25. 1975

036475 S13.B82
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of winter soft wheat [Breeding]. Popov, P; Stankov, I *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 25-28. Ref. 1975

036476 S13.B82
Inheritance of growth habit components in self-pruning tomatoes. Daskaloff, C; Ognyanova, A; Konstantinova, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 33-37. 1975

036477 S13.B82
Inheritance of seed germinating capacity and rate at 26 and 11 degrees Centigrade in F1 tomato interspecies hybrids. Popova-Konstantinova, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 69-72. Ref. 1975

036478 S13.B82
Inheritance of earliness components in a tomato diallel cross including Lycopersicon pimpinellifolium mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. Ognyanova, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 17-22. Ref. 1975

036479 S13.B82
Investigations on an experimentally induced triploid hybrid of Datura innoxia Mill. (Ger) Jankulov, J; Alipur, H *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 47-50. 1975

036480 S13.B82
Mutagenic effect of gamma rays and fast neutrons on Pisum sativum [Peas]. Mehandjiev, A; Vassileva, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 27-33. 1975

036481 S13.B82
Physiological peculiarities of winter soft wheat sterile analogues with Triticum timopheevi Zhuk cytoplasm. Stankov, I; Stankova, P *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 29-32. Ref. 1975

036482 S13.B82
Radiobiological studies in Triticum [wheat]. II. Response to chronic and acute gamma irradiation of 25 ditelocentric lines of wheat cv. Chinese Spring. Filev, K; Mannino, P; Giorgi, B; Donini, B *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 91-95. 1975

036483 S13.B82
Studies on several wild-growing Helianthus species [for possible crossings with sunflowers]. Georgieva-Todorova, Y; Hristova, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 51-55. Ref. 1975

036484 450 EC7
Vavilov's law of homologous series [in genetic variability] at the fiftieth anniversary of its formulation. Kupzow, A J *Econ Bot* 29 (4): 372-379. Ref. Oct/Dec 1975

036485 443.8 EV62
Allozymes of Galapagos tomatoes: polymorphism, geographic distribution, and affinities. Rick, C M; Fobes, J F *Evolution* 29 (3): 443-457. Map. Ref. Sept 1975

036486 443.8 EV62
Correlations between quantitative characters and enzyme genotypes in Avena barbata [Oats]. Kamrick, J L; Allard, R W *Evolution* 29 (3): 438-442. Sept 1975

036487 443.8 EV62
Evolutionary and ecological relationships between Aquilegiaformosa and Aquilegia pubescens (Ranunculaceae), two perennial plants. Chase, V C; Raven, P H *Evolution* 29 (3): 474-486. Ref. Sept 1975

036488 443.8 EV62
The evolution of subdioecy in morphologically gynodioecious species of Fuchsia sect. Encliandra (Onagraceae). Arroyo, M T K; Raven, P H *Evolution* 29 (3): 500-511. Ref. Sept 1975

036489 443.8 EV62
The novel flavonoid chemistry and phylogenetic origin of Phlox floridana [Genetics]. Levy, M; Levin, D A *Evolution* 29 (3): 487-499. Ref. Sept 1975

036490 TX341.F3
Producing seedlings in a strawberry breeding programme. MacLachlan, J B *Farm Food Res* 6 (5): 105-106. Sept/Oct 1975

036491 S19.F37
Hybrid cotton a successful venture by India. Rap, S B P; Ramachandran, K *Farmer Parliament* 10 (6): 7-8, 28-29. June 1975

036492 450 N92
Pattern of binding of tritiated actinomycin D to Phaseolus coccineus [scarlet runner beans] polytene chromosomes. II. the entire chromosome complement. Cionini, P G *G Bot Ital* 109 (4/5): 183-192. Ref. July/Oct 1975

036493 80 G1948
State and trends in ornamental plant breeding on an international scale. (Ger) Sehm, E; Pilz, J *Gartenbau* 22 (10): 312-313. Oct 1975

450 G282
Comparative serological studies in barley (Hordeum vulgare L. s l.) [Varieties]. Kapala, A; Wiatroszak, I; Przybylska, J *Genet Pol* 16 (1): 53-60. Ref. 1975

036494 450 G282
Genetic and breeding studies on Nicotiana tabacum L [Tobacco]. Kobus, I *Genet Pol* 16 (1): 1-28. Ref. 1975

036495 450 G282
Genetic studies on European larch (Larix decidua Mill.) employing isoenzyme polymorphisms. Mejnartowicz, L; Bergmann, F *Genet Pol* 16 (1): 29-35. Ref. 1975

036496 450 G282
Induced polygenic mutations in wheat (Triticum aestivum L.). Larik, A S *Genet Pol* 16 (2): 152-160. Ref. 1975

036497 450 G282
Inheritance of some characters and properties in sunflower (Helianthus annuus L.). Luczkiewicz, T *Genet Pol* 16 (2): 167-184. Ref. 1975

036498 450 G282
Interrelationships of fodder yield and its components in oats (Avena sativa L.) [India]. Bhag Mal,; Mehra, K L; Magoon, M L; Katiyar, D S *Genet Pol* 16 (2): 147-152. 1975

036499 450 G282
The estimation of the distribution of the genotype characters on the basis of their distribution in the phenotype. Ruebenbauer, T; Ruebenbauer, K *Genet Pol* 16 (1): 81-87. Ref. 1975

036500 450 G282
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. Kozera, W *Genet Pol* 16 (1): 61-70. Ref. 1975

036501 450 G282
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. Kozera, W *Genet Pol* 16 (1): 71-79. Ref. 1975

036502 443.8 G283
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. Prazmo, W; Balbin, E; Baranowska, H; Ejchart, A; Putrament, A *Genet Res* 26 (1): 21-69. Ref. Aug 1975

036503 443.8 G283
The inheritance of resistance to eyespot (Cercosporella herpotrichoides) in wheat. Law, C N; Scott, P R; Worland, A J; Hollins, T W *Genet Res* 26 (1): 73-79. Ref. Aug 1975

036504 442.8 G28
Clustering of specific crossovers in maize microsporocytes. Maguire, M P *Genetics* 82 (1): 19-24. Jan 1976

036505 442.8 G28
Complementation analysis of linked circadian clock mutants of Neurospora crassa. Feldman, J F; Hoyle, M N *Genetics* 82 (1): 9-17. Ref. Jan 1976

036506 442.8 G28
Further studies on the balance between Adh1 and Adh2 in maize: gene competitive programs. Freeling, M *Genetics* 81 (4): 641-654. Ref. Dec 1975

036507 442.8 G28
Mapping and gene conversion studies with the structural gene for iso-1-cytochrome C in yeast [Saccharomyces cerevisiae]. Lawrence, C W; Sherman, F; Jackson, M; Gilmore, R A *Genetics* 81 (4): 615-629. Ref. Dec 1975

036508 442.8 G28
Ojvind Winge (1886-1964) [Geneticists]. Westergaard, M *Genetics* 82 (1): 1-7. Jan 1976

036509 QH431.A1G4
A new mutant, "cob turned out" (cto), changing the cob development in maize. (Rus) Vakhrusheva, E I *Genetika* 11 (12): 9-14. Eng. Sum. 1975

036510 QH431.A1G4
Androhaploids and restitutional diploids induced in vitro as the initial material for the analysis and for the selection of characters in synthetic breeding [Tobacco]. (Rus) Ternovskii, M F; Izman, G V; Sarychev, IU F *Genetika* 11 (9): 8-14. Ref. Eng. Sum. 1975

036511 QH431.A1G4
Cytogenetic investigation of mutation process in the population and pure lines of rye seeds (Secale cereale L.) under storage. (Rus) Orlova, N N; Soldatova, O P *Genetika* 11 (11): 9-14. Ref. Eng. Sum. 1975

036512 QH431.A1G4
Effect of cadmium on Chlorella [Algae]. II. Growth, survival and mutability of Chlorella. (Rus) Anikeeva, I D; Vaulina, E N; Kogan, I G *Genetika* 11 (12): 78-83. Eng. Sum. 1975

036513 QH431.A1G4
Effect of cadmium ions on chlorella [Algae]. II. Modification of ultraviolet irradiation effect. (Rus) Kogan, I G; Anikeeva, I D; Vaulina, E N *Genetika* 11 (12): 84-88. Eng. Sum. 1975

036514 QH431.A1G4
Effect of doses and types of irradiation on mutation frequency in Chlorella [Algae]: mutation maximum effect. (Rus) Shevchenko, V A; Rubanovich, A V; Vekshina, L K; Sakovich, I S *Genetika* 11 (10): 96-104. Ref. Eng. Sum. 1975

036515 QH431.A1G4
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of induced mitotic recombination in diploid [Saccharomyces cerevisiae] yeast cells. (Rus) Suslova, N G; Federova, I V; Zhelezniakova, N IU *Genetika* 11 (11): 58-66. Ref. Eng. Sum. 1975

036516 QH431.A1G4
Genetic and biochemical studies of acid phosphatases in yeast Saccharomyces cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. (Rus) Samsonova, M G; Padkina, M V; Krasnopevtseva, N G; Kozhin, S A; Smirnov, M N *Genetika* 11 (9): 104-115. Ref. Eng. Sum. 1975

036517 QH431.A1G4
Genetics and breeding of black currant. I. Methods of selecting samples for selection-genetic analysis. (Rus) Astakhov, A I; Kan'shina, M V *Genetika* 11 (12): 24-29. Eng. Sum. 1975

036518 QH431.A1G4
High frequency of haploidy in the progeny of diploidized maize haploid. (Rus) Khokhlov, S S; Grishina, E V; Komarova, P I *Genetika* 11 (11): 153-154. Eng. Sum. 1975

036519 QH431.A1G4
Hybrid dwarfness of wheat Dika Triticum persicum Vav. (Rus) Dekaprelevich, L L; Naskidashvili, P P *Genetika* 11 (11): 5-8. Eng. Sum. 1975

036520 QH431.A1G4
Induction of CMS [cytoplasmic male sterility] in cotton by means of radiation-induced mutagenesis. (Rus) Negmatov, M; Kovalenko, V I; Shumnyi, V K; Asrorov, K A *Genetika* 11 (12): 136-138. Eng. Sum. 1975

036521 QH431.A1G4
Intrapopulation variability of isozyme spectrum of peroxydases in varieties of inbred lines of radish. (Rus) Fadeeva, T S; Lutova, L A; Ageeva, L A *Genetika* 11 (11): 15-21. Ref. Eng. Sum. 1975

036522 QH431.A1G4
New complementary gene CFL2 changing the manifestation of allele fl2 in maize. (Rus) Palii, A F *Genetika* 11 (9): 5-7. Eng. Sum. 1975

036523 QH431.A1G4
Phenotypic description of double homozygotes for certain sex genes in maize. (Rus) Mustiatsa, S I; Miku, V E *Genetika* 11 (10): 10-14. Ref. Eng. Sum. 1975

036524 QH431.A1G4
Problems of temporal variability of genetic parameters in plant populations. I. The theory of question. (Rus) Dragavtsev, V A; Utemisheva, N V *Genetika* 11 (11): 128-140. Ref. Eng. Sum. 1975

036525 QH431.A1G4
Radiosensitivity of double mutant haploids of yeast [Saccharomyces cerevisiae]. (Rus) Zheleznia kova, N IU; Koval'tsova, S V; Suslova, N G; Fedorova, I V *Genetika* 11 (12): 89-96. Ref. Eng. Sum. 1975

036526 QH431.A1G4
Role of single chromosomes of Agropyron glaucum X genone in the inheritance of the physiological basis of winter hardiness. (Rus) Fedotova, V D; Usova, T K; Khvostova, V V *Genetika* 11 (10); 5-9. Eng. Sum. 1975

036527 QH431.A1G4
Semilethal spotted mutants of Chlorella [vulgaris, algae]. (Rus) Shabanova, E A *Genetika* 11 (11): 46-51. Eng. Sum. 1975

036528 QH431.A1G4
Studies on spontaneous and induced mutability in pea mutants. (Rus) Sidorova, K K; Tianutova, G V; Popova, V S; Uzhintseva, L P *Genetika* 11 (12): 15-23. Ref. Eng. Sum. 1975

036529 QH431.A1G4
[Mutagenic] effect of DNA from different sources and of different physico-chemical properties on hystidine-deficient strain of Candida tropicalis D-2 his- [Yeasts]. (Rus) Danilenko, I I *Genetika* 11 (12): 143-145. Eng. Sum. 1975

036530 298.8 G33
Alternatives in rye breeding. (Ger) Geiger, H H *Getreide Mehl Brot* 29 (8): 197-202. Ref. Aug 1975

036531 298.8 G33
New varieties, problems with wheat breeding. (Ger) Hoeser, K *Getreide Mehl Brot* 29 (7): 173-177. July 1975

036532 S19.G74
Advance in plant sciences [Crop breeding]. Mehta, T R *Green Revolution* P. 34-37. 1974

036533 87 G75
Hereditary transmission of certain traits and properties relative to reciprocal intervarietal crosses of grapes. (Bul) Ivanov, I; Vulchev, V *Hortic Vitic Sci* 12 (5): 103-110. Ref. 1975

036534 87 G75
On some problems of onion hybrid seed production [Male-sterile lines]. (Bul) Todorov, I; Minkov, I *Hortic Vitic Sci* 12 (5): 47-52. Eng. Sum. 1975

036535 SB1.H6
Improving food values of vegetables [through breeding]. Kelly, J F *Hortsci* 10 (6): 568-569. Ref. Dec 1975

036536 SB1.H6
New approaches in rose breeding [in Canada]. Svejda, F *Hortsci* 10 (6): 564-567. Dec 1975

SB1.H6
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] tomato mutant [in storage]. Buescher, R W; Tigchelaar, E C *Hortsci* 10 (6): 624-625. Ref. Dec 1975

036537 SB1.H6
Plant introductions in the improvement of vegetable cultivars. Peterson, C E *Hortsci* 10 (6): 575-579. Ref. Dec 1975

036538 SB52.G43F6
Grape breeding and adaptation [for insect pest resistance]. (Ger) Schumann, F *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 159-166. Ref. 1974

036539 QK882.G42
Actual problems of genetics of photosynthesis. Nasyrov, YU S; Kvitko, K V; Sestak, Z *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 369-374. 1972 (Pub. 1975)

036540 QK882.G42
Electron-microscopic study of chloroplasts in zygotes of Chlamydomonas reinhardi [Algae]. Ladygin, V G; Semyonova, G A; Tageeva, S V *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 43-48. Ref. 1972 (Pub. 1975)

036541 QK882.G42
Genetic analysis of light-sensitive mutants of Chlaydomonasreinhardi [Algae]. Stolbova, A V *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 217-223. 1972 (Pub. 1975)

036542 QK882.G42
Genetic and evolutionary relationships between plastids and the nuclear-cytoplasmic system. Bogorad, L *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 51-62. Ref. 1972 (Pub. 1975)

036543 QK882.G42
Genetic control of chlorophyll biosynthesis and formation of its forms in vivo. Nasyrov, YU S; Giller, YU E; Usmanov, P D *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 133-145. Ref. 1972 (Pub. 1975)

036544 QK882.G42
Genetic variation of photosynthetic rate in leaf discs of Zea mays L. [Maize]. Avratovscukova, N; Fousova, S *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 343-347. Ref. 1972 (Pub. 1975)

036545 QK882.G42
Mutation analysis as a method of studying genotype structure of green algae. Kvitko, K V; Tugarinov, V V; Pham Than Ho,; Chunaev, A S; Temper, E E; Mukhamadiev, B T *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 225-236. Ref. 1972 (Pub. 1975)

036546 QK882.G42
Mutation variability of chloroplasts in Arabidopsis thaliana(L.)Heynh. Usmanov, P D; Abdullaev, H A; Usmanova, O V; Sokhibnazarov, Sh *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 189-201. Ref. 1972 (Pub. 1975)

036547 QK882.G42
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from chlorophyll-deficient tissues. Demchenko, S I; Avetisov, V A; Butenko, R G *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 209-215. 1972 (Pub. 1975)

036548 QK882.G42
The genetics of photosynthesis and rational means of breeding highly productive plants. Nichiporovich, A A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 315-341. Ref. 1972 (Pub. 1975)

036549 QK882.G42
The use of plastid and gene mutants of higher plants in studying the genetic control of plastid functions. Hagemann, R; Herrmann, F; Borner, T *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 115-118. Ref. 1972 (Pub. 1975)

036550 QP623.P7
The synthesis of messenger RNA in the cellular slime mold Dictyostelium discoideum. Jacobson, A; Firtel, R; Lodish, H F *In Processing of RNA Report of Symposium* P. 307-319. Ref. 1974 (Pub. 1975)

036551 68.29 IN23M
Apomixis in coffee [Parthenogenesis]. Viswesvara, S *Indian Cof* 39 (7/8): 214-216. Ref. July/Aug 1975

036552 68.29 IN23M
Male sterility in diploid species of coffee. Vishveshwara, S; Ahmed, J *Indian Cof* 39 (9): 266-267. Sept 1975

036553 68.29 IN23M
Variability in coffee. II. Studies on flower number in species. Vishveshwara, S; Ahmed, J *Indian Cof* 39 (9): 268-273. Sept 1975

036554 22 IN283
Castor [beans] production can be improved [Breeding]. Ankineedu, G; Balanarsaiah, D; Kulkarni, L G; Ganga Prasada Rao, N *Indian Farming* 25 (7): 3-5, 10. Oct 1975

036555 442.8 IN2
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the induction of chlorophyll mutations in Oryza sativa L. [Rice]. Anwar, S Y; Reddy, G M *Indian J Exp Biol* 13 (2): 187-188. Mar 1975

65.8 IN26
Screening of promising sugarcane varieties for resistance to smut by Ustilago scitiminea Syd. in the Punjab. Sandhu, S S; Mehan, V K; Ram, R S; Sahni, S S; Sharma, J R *Indian Sugar* 25 (5): 423-426. Aug 1975

036556 65.8 IN26
Sugarcane flowers in Egypt: improvement of field crops productivity [Breeding]. Dobbs, K S *Indian Sugar* 25 (5): 331-333. Aug 1975

036557 444.8 IN8
The induction of pyrimidine dimers in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces cerevisiae [Yeasts]. Chanet, R; Waters, R; Moustacchi, E *Int J Radiat Biol Relat Stud Phys Chem Med* 27 (5): 481-485. Ref. May 1975

036558 16 IT1
Plant production: genetic methods to improve food and feed production [Research projects, Italy]. (Ita) Scarascia Mugnozza, G T *Ital Agric* 112 (5): 23-25. May 1975

381 J8223
Amino acid composition of isogenic lines in barley. Pomeranz, Y; Robbins, G S *J Agric Food Chem* 24 (1): 196-198. Jan/Feb 1976

036559 10 J822
Influence of cytoplasms on the fatty acid composition of two maize inbred lines. Gregory, P; Grogan, C O *J Agric Sci (Camb)* 86 (1): 151-154. Feb 1976

036560 448.3 J82
Genetic co-regulation of galactose and melibiose utilization in Saccharomyces [Cerevisiae, Saccharomyces carlsbergensis, yeasts]. Kew, O M; Douglas, H C *J Bacteriol* 125 (1): 33-41. Ref. Jan 1976

036561 448.3 J82
Mutants of Aspergillus nidulans lacking nicotinamide adenine dinucleotide-specific glutamate dehydrogenase [Fungi]. Kinghorn, J R; Pateman, J A *J Bacteriol* 125 (1): 42-47. Ref. Jan 1976

036562 448.3 J82
Mutants of Saccharomycopsis lipolytica defective in lysine catabolism [Yeasts]. Gaillardin, C; Fournier, P; Sylvestre, G; Heslot, H *J Bacteriol* 125 (1): 48-57. Ref. Jan 1976

036563 448.3 J82
Thermosensitive mutations affecting ribonucleic acid polymerases in Saccharomyces cerevisiae [Yeasts]. Thonart, P; Bechet, J; Hilger, F; Burny, A *J Bacteriol* 125 (1): 25-32. Ref. Jan 1976

036564 475 J824
Screening for fatty acids in oilseed breeding programmes using lipase and paper chromatography. Holmes, M G; Blakeney, A; Wratten, N *J Chromatogr* 115 (2): 652-654. Dec 24, 1975

036565 448.3 J823
Genetical and biochemical aspects of resistance to p-fluorophenylalanine in Saccharomyces cerevisiae [Yeasts]. Rhodes, P M; Wilkie, D *J Gen Microbiol* 91 (Pt. 2): 217-224. Dec 1975

036566 448.3 J823
Hybridization and selection for increased penicillin titre in wild-type isolates of Aspergillus nidulans. Merrick, M J *J Gen Microbiol* 91 (Pt. 2): 278-286. Ref. Dec 1975

036567 448.3 J823
The inheritance of penicillin titre in crosses between lines of Aspergillus nidulans selected for increased productivity. Merrick, M J *J Gen Microbiol* 91 (Pt. 2): 287-294. Dec 1975

036568 442.8 AM3
A colchicine induced diploid from a haploid soybean twin. Ahmad, Q N; Britten, E J; Byth, D E *J Hered* 66 (6): 327-330. Nov/Dec 1975

036569 442.8 AM3
Induction of nondormant mutants in black gram [Mungo beans]. Appa Rao, S; Padmaja Rao, S; Jana, M K *J Hered* 66 (6): 388-389. Nov/Dec 1975

036570 442.8 AM3
Meiosis in variegated and anthocyaninless varieties of Rhoeo [spathacea]. Baker, R F; Mertens, T R *J Hered* 66 (6): 381-383. Ref. Nov/Dec 1975

036571 442.8 AM3
Multiple seedling development in soybeans [Genetics]. Shorter, R; Byth, D E *J Hered* 66 (6): 323-326. Ref. Nov/Dec 1975

036572 442.8 AM3
Use of male-sterile 1 gene to eliminate detasseling in production of hybrid seed of bicolor sweet corn. Galinat, W C *J Hered* 66 (6): 387-388. Nov/Dec 1975

036573 442.9 J27
Chromosomal variations in hybrid Trilliums. (Jpn) Uchino, A *Jap J Genet* 50 (4): 345-352. Ref. Eng. Sum. Aug 1975

036574 442.9 J27
Chromosomal variation in calluses induced in Vicia faba [broadbeans] and Allium cepa [onions]. Yamane, Y *Jap J Genet* 50 (4): 353-355. Aug 1975

036575 442.9 J27
Chromosome constitution in cultured callus cells from four aneuploid lines of the homoeologous group 5 of Triticum aestivum [Wheat]. Asami, H; Shimada, T; Inomata, N; Okamoto, M *Jap J Genet* 50 (4): 283-289. Ref. Aug 1975

036576 442.9 J27
Chromosome relationships in interspecific Avena hybrids, with special reference to hybrids with Avena longiglumis [Oats]. Yabuno, T; Nishiyama, I *Jap J Genet* 50 (4): 329-339. Ref. Aug 1975

036577 442.9 J27
Hereditary changes in Capsicum annuum L. [Red peppers]. III. Induced by DNA treatment. Nawa, S; Yamada, M; Ohta, Y *Jap J Genet* 50 (4): 341-344. Ref. Aug 1975

036578 S19.J3
Breeding of barley with stiff culms and few tillers. Nonaka, S *JARQ (Jap Agric Res Q)* 9 (3): 137-141. July 1975

036579 S19.J3
Pleiotropic effect of waxy gene in indica rice [Varieties]. Chen, Y H; Kitsutaka, A *JARQ (Jap Agric Res Q)* 9 (3): 177-179. July 1975

442.8 K84
Cecidia—a natural example of "genetic engineering" [Plant galls]. (Pol) Moskwa, W *Kosmos, Ser A Biol* 24 (4): 335-348. Ref. 1975

036580 442.8 K92
The history of all organisms is inscribed in the chromosomes [Wheat]. (Jpn) Kihara, H *Kromosomo* 96/97: 2995-3008. Oct 1974

036581 442.8 K92
Trilliums in Hokkaido. Cytogenetics of evolution and population of Japanese Trillium. A review. (Jpn) Haga, T *Kromosomo* 96/97: 2974-2994. Ref. Eng. Sum. Oct 1974

036582 107.6 K114
Diallel cross experiment among Sikkimese varieties, indica and japonica testers of rice, Oryza sativa L. III. Morphological characters. Katayama, T C *Mem Fac Agric Kagoshima Univ* 11 (20): 1-55. Ref. Mar 1975

036583 107.6 K114
Manifestation of male sterility in autotetraploids derived from diploid male-sterile radishes (Raphanus sativus L.). Ogura, H; Etoh, T *Mem Fac Agric Kagoshima Univ* 11 (20): 57-60. Ref. Mar 1975

036584 442 P92
Cytoplasmic inheritance and mitochondrial genetics in yeasts [Saccharomyces cerevisiae]. Wilkie, D *Methods Cell Biol* 12: 353-372. Ref. 1975

036585 442 P92
Induction, selection, and experimental uses of temperature-sensitive and other conditional mutants of yeast [Saccharomyces cerevisiae]. Pringle, J R *Methods Cell Biol* 12: 233-272. Ref. 1975

036586 442 P92
Isolation of mitochondria and techniques for studying mitochondrial biogenesis in yeasts [Saccharomyces cerevisiae]. Linnane, A W; Lukins, H B *Methods Cell Biol* 12: 285-309. Ref. 1975

036587 442 P92
Mutagenesis in yeast [Saccharomyces cerevisiae, Schizosaccharomyces pombe]. Kilbey, B J *Methods Cell Biol* 12: 209-231. Ref. 1975

036588 105.9 K696
Increases in yields with heterosis crossings of Vitis vinifera L. [Grapes]. (Ger) Pospisilova, D *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 167-170. Eng. Sum. 1975

036589 442.8 Z34
Genes coding for the structure of the acid phosphatases in Saccharomyces cerevisiae. Toh-e, A; Kakimoto, S; Oshima, Y *Mol Gen Genet (MGG)* 143 (1): 65-70. Ref. 1975

036590 442.8 Z34
Recognition and gene expression during the incompatibility reaction in Petunia hybrida L. *Mol Gen Genet (MGG)* 141 (4): 305-316. Ref. 1975

036591 442.8 Z34
Selection of spontaneous mutants by inositol starvation in yeast [Saccharomyces cerevisiae]. Henry, S A; Donahue, T F; Culbertson, M R *Mol Gen Genet (MGG)* 143 (1): 5-11. Ref. 1975

036592 442.8 Z34
The organization of genes in yeast [Saccharomyces carlsbergensis] mitochondrial DNA. II. The physical map of ecoRI and HindII-III fragments. Sanders, J P M; Borst, P; Weijers, P J *Mol Gen Genet (MGG)* 143 (1): 53-64. Ref. 1975

036593 442.8 Z34
The restriction of the recombination of mitochondrial DNA molecules in the zygotes of Saccharomyces cerevisiae [Yeasts]. Waxman, M F *Mol Gen Genet (MGG)* 141 (4): 285-290. Ref. 1975

036594 442.8 Z34
Transmission and recombination of extranuclear genes during sexual crosses in Aspergillus nidulans. Mason, J R; Turner, G *Mol Gen Genet (MGG)* 143 (1): 93-99. Ref. 1975

036595 443.8 M98
A case of induced double interchange in rice involving six chromosomes. Reddi, V R; Reddi, T V V S *Mutat Res* 33 (2/3): 421-424. Dec 1975

036596 443.8 M98
Chemical mutagenesis in soybean (Glycine max (L.) Merrill) using ethyl methanesulphonate and hydroxylamine hydrochloride. Kiang, L C; Halloran, G M *Mutat Res* 33 (2/3): 373-382. Ref. Dec 1975

036597 443.8 M98
Effect of caffeine on recovery from DEB [diepoxybutane]-induced cell inactiation in UV [ultraviolet]-sensitive mutants of Saccharomyces cerevisiae. Zuk, J; Zaborowska, D; Swietlinska, Z *Mutat Res* 33 (2/3): 173-178. Ref. Dec 1975

036598 443.8 M98
Genetic effect of formaldehyde in yeast [Saccharomyces cerevisiae]. I. Infuence of the growth stages on killing and recombination. Chanet, R; Izard, C; Moustacchi, E *Mutat Res* 33 (2/3): 179-186. Ref. Dec 1975

036599 443.8 M98
Inactivation and mutation of yeast cells by hydrogen peroxide [Saccharomyces cerevisiae]. Thacker, J *Mutat Res* 33 (2/3): 147-156. Ref. Dec 1975

036600 443.8 M98
Mutagenicity of actinomycin D in Neurospora crassa [Fungi]. Fisher, C R; Malling, H V; De Serres, F J; Snyder, S *Mutat Res* 33 (2/3): 187-192. Ref. Dec 1975

036601 443.8 M98
Root tips of Vicia faba [broadbeans] for the study of the induction of chromosomal aberrations. Kihlman, B A *Mutat Res* 31 (6): 401-412. Dec 1975

036602 443.8 M98
The gene dosage effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains [Saccharomyces cerevisiae]. Ho, K S Y *Mutat Res* 33 (2/3): 165-172. Ref. Dec 1975

036603 443.8 M98
The mutagenic activity of diepoxbutane in yeast [Neurospora]. Olszewska, E; Kilbey, B J *Mutat Res* 33 (2/3): 383-390. Dec 1975

036604 S19.M9
Genetic variability in horsegram [twin flower dolichos] (Macrotyloma uniflorum syn. Dolichos biflorus). Sreekantaradhya, R; Shettar, B I; Chandrappa, H M; Shivashankar, G *Mysore J Agric Sci* 9 (3): 361-363. 1975

036605 S19.M9
Inheritance of flour protein content in a wheat cross between C 273 X S 308 [Varieties]. Kulkarni, G N; Kohli, S P *Mysore J Agric Sci* 9 (3): 395-399. 1975

036606 S19.M9
Phenotypic and genotypic variability in an exotic X Indian and Indian X Indian, intervarietal crosses of wheat (Triticum aestivum L.). Zaya, P; Haque, F *Mysore J Agric Sci* 9 (3): 364-372. Ref. 1975

036607 450 N48
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. I. Comparative pairing of hybrids in section suaveolentes. Williams, E *N Z J Bot* 13 (4): 601-609. Dec 1975

036608 450 N48
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of genotype on pairing. Williams, E; Pandey, K K *N Z J Bot* 13 (4): 611-622. Ref. Dec 1975

036609 450 N99
The spontaneous mutability in Ulva mutabilis. Occurrence of unstable strains [Algae]. Fjeld, A; Borresen, S *Nytt Mag Bot* 22 (2): 72-82. Ref. 1975

036610 S13.O2
Acute irradiation of vegetating plants and prospects of its use in plant growing and breeding [Genetics]. (Rus) Batygin, N F; Kuperman, F M; Pitirimova, M A *Obz Inf Minist Sel'sk Khoz SSSR Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz* 866, 71 P. Ref. 1975

036611 77.8 OL2
Cytogenetic relationships and barriers to gene exchange in Arachnis [Peanuts]. Gopinathan Nair, P; Raman, V S *Oleagineux* 30 (10): 419-422. Oct 1975

036612 501 L84PB
Early seed development in the Triticeae. Bennett, M D; Smith, J B; Barclay, I *Philos Trans R Soc Lond, Ser B Biol Sci* 272 (916): 199-227. Ref. Nov 6, 1975

464.8 P56
A dominant gene conferring disease resistance to tobacco plants is expressed in tissue cultures [Phytophthora parasitica nicotianae, black shank]. Helgeson, J P; Haberlach, G T; Upper, C D *Phytopathology* 66 (1): 91-96. Jan 1976

036613 450 P693
Pollen dimorphism and anther culture in barley. Dale, P J *Planta* 127 (3): 213-220. Ref. 1975

036614 19.5 P752
Intravarietal hybridization of wheat and its effect on the quantitative characters and amino acids. (Slo) Hraska, S *Pol'nohospodarstvo* 21 (7): 505-514. Eng. Sum. 1975

036615 20.5 P84
Observations and conclusions concerning rye breeding. (Pol) Szlek, W *Postepy Nauk Roln* 22 (2): 7-16. 1975

036616 20.5 P84
Problems of breeding barley with a high lysine content in the light of genetic, biochemical and nutritional studies. (Pol) Przybylska, J *Postepy Nauk Roln* 22 (2): 17-40. Ref. 1975

036617 20.5 P84
Remarks on rye breeding. (Pol) Ruebenbauer, T *Postepy Nauk Roln* 22 (2): 3-6. 1975

036618 20.5 P84
The influence of maternal traits on the development of the progeny in higher plants. (Pol) Hulewicz, T *Postepy Nauk Roln* 22 (1): 25-36. Ref. 1975

036619 20.5 P84
The Institute of Plant Breeding of the Agricultural University in Wageningen (Holland). (Pol) Muszynski, S *Postepy Nauk Roln* 22 (1): 129-136. 1975

036620 22.5 C88
Male sterility caused by cooling treatment at the young microspore stage in rice plants. XI. Effects of some substanceson sterility. Nishiyama, I *Proc Crop Sci Soc Jap* 44 (4): 397-402. Ref. Dec 1975

036621 22.5 C88
Vegetative proliferations of floral spikelets in Oryza sativa L. [Rice]. VI. Development of proliferated spikelets (propagules) by means of soil cultivation. (Jpn) Takeoka, Y; Shimizu, M; Kuroyanagi, C *Proc Crop Sci Soc Jap* 44 (4): 425-430. Eng. Sum. Dec 1975

036622 500 N21P
An inherited "neoplasm" in a fungus [Schizophyllum commune]. Leonard, T J *Proc Natl Acad Sci U S A* 72 (11): 4626-4630. Nov 1975

036623 500 N21P
Genetic analysis in the dinoflagellate Crypthecodinium (Gyrodinium) cohnii: evidence for unusual meiosis [Algae]. Himes, M; Beam, C A *Proc Natl Acad Sci U S A* 72 (11): 4546-4549. Ref. Nov 1975

036624 21 R862
Achievements in breeding of monogerm sugarbeets. (Rum) Stanescu, Z; Stefanescu, P; Kovats, M *Prod Veg Cereale Plante Teh* 26 (9): 15-20. Sept 1974

036625 6 T311
When will you have insect-resistant cotton? [Breeding]. Deterling, D *Prog Farmer (Birmingham)* 90 (5): 64-65. May 1975

036626 421 P99
The genetic variability of the yield components in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] population [Insecticides, plant origin]. Parlevliet, J E *Pyrethrum Post* 13 (1): 23-28. Ref. June 1975

036627 81 AM398
F1 crosses of evergreen and deciduous azaleas and other wide crosses of Rhododendron. Jaynes, R A *Q Bull Am Rhodod Soc* 30 (1): 44-48. Winter 1976

036628 64.8 M41
Studies on beta-carotene and lycopene content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids [Tomatoes, breeding]. Manuelyan, H; Yordanov, M; Yordanova, Z; Ilieva, Z *Qual Plant Plant Foods Human Nutr* 25 (2): 205-210. Ref. Dec 29, 1975

036629 442.8 R11AE
Effectiveness of 0.2 MeV neutrons in the irradiation of seeds of Arabidopsis thaliana (L.) Heynh. Ginter, T N; Ivanov, V I; Troitskii, N A; Drozd, G G *Radiobiology* 15 (1): 199-202. Ref. 1975

036630 442.8 R11AE
Modification of the injurious effect in the gamma irradiation of seeds of radiosensitive and radioresistant crops. Kaplan, I S; Tikhomirov, F A; Khvostova, V V *Radiobiology* 15 (1): 124-129. Ref. 1975

64.8 R18
Cytogenetic characterization of some herbicides applied to maize. (Bul) Khristov, K *Rastenievud Nauk* 12 (7): 111-123. Ref. Eng. Sum. 1975

64.8 R18
Investigations on laboratory methods in estimating the resistance of potato selection materials to leaf roll virus [induced through viruliferons Myzus persicae]. (Bul) Iotov, L *Rastenievud Nauk* 12 (6): 126-133. Eng. Sum. 1975

036631 64.8 R18
Results of applying the individual selection method in maintaining wheat varieties. (Bul) Zaprianov, S *Rastenievud Nauk* 12 (6): 69-81. Ref. Eng. Sum. 1975

036632 9 R3222
Behavior of sugarcane clones (genotypes) under natural and induced environmental stimulus [Genetics]. (Spa) Mariotti, J A; Ploper, D L; Oyarzabal, E S; Bulacio, A R; Turowski, I A; Osa, J M; Divizia, M T; Avellaneda, R A *Rev Agron Noroeste Argent* 12 (1/2): 25-44. Ref. Eng. Sum. 1975

036633 9 R3222
Genetic variability studies of isoperoxidases and morphological characters in sugarcane subclones produced by "in vitro" culture. (Spa) Frias de Fernandez, A M; Antoni, H J; Lozzia de Canelada, M E *Rev Agron Noroeste Argent* 12 (1/2): 79-91. Eng. Sum. 1975

036634 9 R3222
Stalk number and length as components of yield in sugarcane [Genetics]. (Spa) Mariotti, J A; Turowski, I A *Rev Agron Noroeste Argent* 12 (1/2): 7-24. Ref. Eng. Sum. 1975

036635 9 R3222
Studies on clonal selection of sugarcane with weed competition [Heredity]. (Spa) Mariotti, J A; Turowski, I A; Ploper, D L; Oyarzabal, E S *Rev Agron Noroeste Argent* 12 (1/2): 45-64. Ref. Eng. Sum. 1975

036636 9 R3222
Studies on clonal selection of sugarcane at different levels of nitrogen fertilization [Breeding, heredity]. (Spa) Mariotti, J A; Gimenez Lascano, O *Rev Agron Noroeste Argent* 12 (1/2): 65-78. Eng. Sum. 1975

036637 450 R34
Hybrids in American Cyatheaceae [Pterydophyta]. Conant, D S *Rhodora* 77 (812): 441-455. Dec 1975

036638 470 SC12
Tobacco fraction 1 protein: a unique genetic marker. Kung, S D *Science* 191 (4226): 429-434. Ref. Feb 6, 1976

036639 9.3 S14
Genetic improvement of oil quality of rape (Brassica napus L.). (Spa) Valdivia B, V; Geldres R, H; Lizana A, N *Simiente* 45 (2): 21-23. Ref. Apr/June 1975

036640 S13.S44
Combination of different inbreeding systems for the development of sugarbeet. (Rus) Dobrosotkov, V V; Peretiat'ko, V G *S-kh Biol* 10 (1): 26-31. Ref. Eng. Sum. Jan/Feb 1975

036641 S13.S44
Combining ability of self-pollinated lines in corn plants of different origin. (Rus) Zelenskii, M A; Hassaballa, A S A S *S-kh Biol* 10 (1): 22-25. Eng. Sum. Jan/Feb 1975

036642 S13.S44
Development of new lupine forms with the help of chemical mutagens. (Rus) Sanaev, N F; Ob"edkina, R N *S-kh Biol* 10 (1): 38-40. Eng. Sum. Jan/Feb 1975

036643 S13.S44
Development of buckwheat heterosis hybrids of the basis of periodic selection. (Rus) Fesenko, N V; Antonov, V V *S-kh Biol* 10 (4): 605-609. Ref. Eng. Sum. July/Aug 1975

036644 S13.S44
Effect of cytoplasm on the hereditary variability in wheat. (Rus) Panaiotov, I; Gotsov, K *S-kh Biol* 10 (4): 610-613. Ref. Eng. Sum. July/Aug 1975

036645 S13.S44
Fertility and productivity of tetraploid rye as affected by aneuploidy. (Rus) Shevtsov, I A; Timoshenko, V M *S-kh Biol* 10 (2): 220-224. Ref. Eng. Sum. Mar/Apr 1975

036646 S13.S44
Genetic and physiological mechanisms of the regularity of earliness in annual plants. (Rus) Obraztsov, A S *S-kh Biol* 10 (3): 334-342. Ref. Eng. Sum. May/June 1975

036647 S13.S44
Increase in hybrid maize yield by means of reciprocal recurrent selection on the basis of varietal crosses. (Rus) Turbin, N V; Khotyleva, L V; Kaminskaia, L N; Polonetskaia, L M *S-kh Biol* 10 (3): 348-353. Ref. Eng. Sum. May/June 1975

036648 S13.S44
Interspecies hybridization of tomatoes (Lycopersicon esculentum Mill and Lycopersicon peruvianum Mill). (Rus) Makhalova, M R *S-kh Biol* 10 (1): 138-140. Jan/-Feb 1975

036649 S13.S44
Method of calculation and evalution of heterosis in plants. (Rus) Omarov, D S *S-kh Biol* 10 (1): 123-127. Ref. Eng. Sum. Jan/Feb 1975

036650 S13.S44
Mutations of the type of leaf in pea and the system of the genetic control of this character. (Rus) Guzhov, IU G *S-kh Biol* 10 (3): 380-382. Eng. Sum. May/June 1975

036651 S13.S44
Partial male sterility and spontaneous hybridization in wheat. (Rus) Nettevich, E D *S-kh Biol* 10 (1): 9-14. Ref. Eng. Sum. Jan/-Feb 1975

036652 S13.S44
Prospects of studies of polyploidy in sugarbeets. (Rus) Bolelova, Z A *S-kh Biol* 10 (3): 323-329. Ref. Eng. Sum. May/June 1975

036653 S13.S44
Prospects of the use of achievements of molecular biology in agriculture [Plant breeding]. (Rus) Sivolap, IU M *S-kh Biol* 10 (4): 505-510. Ref. Eng. Sum. July/Aug 1975

036654 S13.S44
Results, targets and prospects of spring wheat breeding in the southeast of the European part of the USSR. (Rus) Mamontova, V N *S-kh Biol* 10 (2): 184-193. Eng. Sum. Mar/Apr 1975

036655 S13.S44
Role of lasting modifications in the genetic variability of plants. (Rus) Glushchenko, I E *S-kh Biol* 10 (2): 202-210. Ref. Eng. Sum. Mar/Apr 1975

036656 S13.S44
Specificity of pollination in tetraploid species of wheat. (Rus) Berliand-Kozhevnikov, V M; Zhukov, V I; Akhmedov, A Sh; IAkubtsiner, M M *S-kh Biol* 10 (1): 15-21. Ref. Eng. Sum. Jan/Feb 1975

036657 S13.S44
Specificity of the hybrid offspring of apple trees and quince. (Rus) Shcherbenev, G IA *S-kh Biol* 10 (2): 308-310. Mar/Apr 1975

036658 S13.S44
Use of ethylenimine in forage rape breeding. (Rus) Lapinskene, IA I *S-kh Biol* 10 (4): 618-620. July/Aug 1975

036659 S13.S44
Use of potato haploids in breeding and genetic studies. (Rus) Laptev, IU P; Makarov, P P *S-kh Biol* 10 (3): 330-333. Ref. Eng. Sum. May/June 1975

036660 511 AK146
The fertilization of Chamaenerium angustifolium (Web.) Grossh. (Rus) Gachechiladze, M I; Gvaladze, G E *Soobshch Akad Nauk Gruz SSR* 80 (1): 141-144. Ref. Eng. Sum. Oct 1975

036661 QH431.A1G43
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. Korolev, V G; Gracheva, L M; Volotnikova, E V *Sov Genet* 10 (3): 364-370. Ref. Mar 1974 (Transl. 1974)

036662 QH431.A1G43
A confidence interval for the heritability coefficient of continuous characters [in the genetic analysis of plant populations]. Gel'bert, M G *Sov Genet* 10 (3): 300-304. Ref. Mar 1974 (Transl. 1974)

036663 QH431.A1G43
A cytogenetic study of the effect of the joint action of ethyleneimine and gamma rays on the cells of Crepis capillarisseeds in two successive mitotic cycles. Sidorov, V P *Sov Genet* 10 (2): 161-168. Ref. Feb 1974 (Transl. 1975)

036664 QH431.A1G43
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. Kuznetsova, O B *Sov Genet* 10 (3): 344-351. Ref. Mar 1974 (Transl. 1974)

036665 QH431.A1G43
Aneuploidy in the seed progeny of tetraploid rye. Kuvarin, V V *Sov Genet* 10 (3): 281-285. Ref. Mar 1974 (Transl. 1974)

036666 QH431.A1G43
Correlatin between activity of nitrogen mustards in alkylation reactions and their mutagenic activity on fungi [Aspergillus nidulans]. Kovalenko, S P *Sov Genet* 10 (4): 512-516. Ref. April 1974 (Transl. 1975)

036667 QH431.A1G43
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosome mutations [Onions, broadbeans]. Alekperov, U K; Akhundova, D D *Sov Genet* 10 (7): 822-826. Ref. July 1974 (Transl. 1976)

036668 QH431.A1G43
Cytomixis in meiosis in some hybrid forms of the subtribe Triticinae. Shkutina, F M; Kozlovskaya, V F *Sov Genet* 10 (5): 559-565. Ref. May 1974 Transl. Nov 1975

036669 QH431.A1G43
Diversity in the anionic peroxidase spectra of linecross radish hybrids. Voilokov, A V; Narbut, S I *Sov Genet* 10 (5): 683-684. May 1974 Transl. Nov 1975

036670 QH431.A1G43
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. Kolontaev, V M *Sov Genet* 10 (5): 578-563. Ref. May 1974 Transl. Nov 1975

036671 QH431.A1G43
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. induced by dimethyl sulfate. Kolontaev, V M *Sov Genet* 10 (3): 291-299. Ref. Mar 1974 (Transl. 1974)

036672 QH431.A1G43
Experimental mutagenesis in apple. III. Morphological and genetic effects in Malus domestica, induced by N-nitroso-N-methylurea. Kolontaev, V M *Sov Genet* 10 (4): 427-433. Ref. April 1974 (Transl. 1975)

036673 QH431.A1G43
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet sensitive] mutants. Pogosbekova, M R; Kameneva, S V *Sov Genet* 10 (7): 866-872. Ref. July 1974 (Transl. 1976)

036674 QH431.A1G43
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. Kameneva, S V; Romanova, YU M; Furletova, N M *Sov Genet* 10 (4): 496-504. Ref. April 1974 (Transl. 1975)

036675 QH431.A1G43
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. Korolev, V G; Gracheva, L M; Bolotnikova, E V *Sov Genet* 10 (7): 881-885. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Genetic mechanisms and the evolution of heterosis [Animals, plants, insects]. Kirpichnikov, V S *Sov Genet* 10 (4): 540-551. Ref. April 1974 (Transl. 1975)

036676 QH431.A1G43
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. III. Study of heterokaryosis. Yurchenko, L V; Zakharov, I A; Levitin, M M *Sov Genet* 10 (3): 352-356. Ref. Mar 1974 (Transl. 1974)

036677 QH431.A1G43
Haploid tobacco plants produced in anther culture. Termovskii, M F; Butenko, R G; Izman, G V; Shinkareva, I K *Sov Genet* 10 (2): 169-173. Ref. Feb 1974 (Transl. 1975)

036678 QH431.A1G43
Heritability and variability of characters in intervarietal and interspecific cotton hybrids under different irrigation conditions. Simongulyan, N G; Saakova, S G *Sov Genet* 10 (4): 417-423. Ref. April 1974 (Transl. 1975)

036679 QH431.A1G43
Influence of pollinating conditions on the manifestation of the gametophyte locus of the fourth chromosome in maize. Maletskii, S I; Siritsa, B N *Sov Genet* 10 (3): 286-290. Ref. Mar 1974 (Transl. 1974)

036680 QH431.A1G43
Localization of mutations in the second chromosome of the yeast Saccharomyces cerevisiae. Ter-Avanesyan, M D; Inge-Vechtomov, S G *Sov Genet* 10 (5): 651-654. Ref. May 1974 Transl. Nov 1975

036681 QH431.A1G43
Mutability of the garden pea and tomato with chronic gamma-irradiation of the plants and the acute irradiation of the seeds. Dolgikh, S T; Khafizov, R N *Sov Genet* 10 (5): 574-577. May 1974 Transl. Nov 1975

036682 QH431.A1G43
Mutational changes in rice. Natal'in, N B; Mosina, S B; Chan Quang Nguoc, *Sov Genet* 10 (2): 274-276. Feb 1974 (Transl. 1975)

036683 QH431.A1G43
Natural and artificial variability in development type in soft wheat. Gulyaev, G V; Magurov, P F *Sov Genet* 10 (7): 817-821. Ref. July 1974 (Transl. 1976)

036684 QH431.A1G43
Nonnuclear mutations in sunflowers. III. Unusual somatic segregation of plants with variegated leaves. Beletskii, YU D; Razoriteleva, E K *Sov Genet* 10 (2): 156-160. Ref. Feb 1974 (Transl. 1975)

036685 QH431.A1G43
On the nature of male sterility occurring in the seed progeny of scions in sugarbeet. Leonova, N S *Sov Genet* 10 (4): 424-426. April 1974 (Transl. 1975)

QH431.A1G43
Physicochemicl mechanisms of inbred depression and heterosis [Plants, animals]. Shakhbasov, V G *Sov Genet* 10 (4): 531-539. Ref. April 1974 (Transl. 1975)

036686 QH431.A1G43
Population methods in the phenogenetics of plant quantitative traits. II. Allometric analysis. Magomedmirzaev, M M *Sov Genet* 10 (4): 434-440. Ref. April 1974 (Transl. 1975)

036687 QH431.A1G43
Production of a mitochondrial mutant of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this antibiotic [Yeasts]. Nevzglyadova, O V; Golubkov, V I; Neifakh, S A *Sov Genet* 10 (7): 873-880. Ref. July 1974 (Transl. 1976)

036688 QH431.A1G43
Production of genetic heterogeneity and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. Molchan, I M *Sov Genet* 10 (5): 584-590. Ref. May 1974 Transl. Nov 1975

036689 QH431.A1G43
Revertants of sunflower chlorophyll mutants. Lyashchenko, I I; Ulitcheva, I I *Sov Genet* 10 (2): 151-155. Feb 1974 (Transl. 1975)

036690 QH431.A1G43
Study of chimerism in the reproductive tissue of Arabidopsis thaliana plants following irradiation of seeds. Grinikh, L I; Shevchenko, V V; Grigor'eva, G A; Draginskaya, L YA *Sov Genet* 10 (7): 827-834. Ref. July 1974 (Transl. 1976)

036691 QH431.A1G43
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. Shevchenko, V A; Alekseenok, A YA; Prister, V S; Ryabov, G G *Sov Genet* 10 (2): 220-226. Ref. Feb 1974 (Transl. 1975)

036692 QH431.A1G43
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and red colors of the grain. Yashovskii, I V *Sov Genet* 10 (5): 566-573. Ref. May 1974 Transl. Nov 1975

036693 QH431.A1G43
The mutagenic influence of drying on pea seeds. Kolotenkov, P V *Sov Genet* 10 (7): 924-925. July 1974 (Transl. 1976)

036694 QH431.A1G43
The possibility of the detection of potential damages to the chromosome structure in seeds of Crepis capillaris and Crepis tectorum. Protopopova, E M; Bagrova, A M; Shapiro, N I *Sov Genet* 10 (2): 174-177. Ref. Feb 1974 (Transl. 1975)

036695 QH431.A1G43
Variable restorers of Texas type CMS [cytoplasmic male sterility] in corn. Gontarovskii, V A *Sov Genet* 10 (2): 143-150. Ref. Feb 1974 (Transl. 1975)

036696 SB403.S7
Breeding for mutations. II. [Ornamental plants]. (Ger) Hendrikx, J *Staudengarten* 1: 59-63. 1975

036697 SB403.S7
Lily breeding—Asian hybrids [Lilium]. (Ger) Rech, A *Staudengarten* 2: 31-34. 1975

036698 61.8 SV2
About gene banks and storage for sowing [Field crops]. (Swe) *Sven Frotidn* 44 (7/8): 108, 110-111. July 15, 1975

036699 61.9 SV23
A faster completion of the high lysine barley program by growing a winter generation in South America [Breeding]. (Swe) Persson, G; Karlsson, K E; Baer, E von *Sver Utsadesforen Tidskr* 85 (5/6): 251-255. Eng. Sum. 1975

036700 61.9 SV23
Plant improvement work with vegetables at Hammenhog Department [Breeding]. (Swe) Carlsson, G *Sver Utsadesforen Tidskr* 85 (5/6): 233-246. 1975

036701 61.9 SV23
Yellow-seeded rape and turnip rape. II. Breeding for improved quality of oil and meal in yellow-seeded materials. (Swe) Jonsson, R *Sver Utsadesforen Tidskr* 85 (5/6): 271-278. Eng. Sum. 1975

036702 26 T754
Heterosis in the mung bean (Vigna radiata (L.) Wilczek). Swindell, R E; Poehlman, J M *Trop Agric (Guilford)* 53 (1): 25-30. Jan 1976

036703 QH573.T75
Electron-microscopic examination of maize sterile mutants induced by acridine dyes. (Rus) Palilova, A N; Liul'kina, E I *Tsitol Genet* 9 (6): 518-522. Ref. Eng. Sum. Nov/-Dec 1975

036704 QH573.T75
Macrogametogenesis and fertility in tetraploid rye. (Rus) Checheneva, T N; Mashtaler, S G *Tsitol Genet* 9 (6): 486-490. Ref. Eng. Sum. Nov/Dec 1975

036705 QH573.T75
Meiosis and fertility of pollen in rye triploids obtained when cultivating embryos. (Rus) Shevtsov, I A; Chugunkova, T V *Tsitol Genet* 9 (6): 483-485. Eng. Sum. Nov/Dec 1975

036706 QH573.T75
Polyploidization and chromosomal aberrations induced by mutagens in the open flowering sterile mutants of spring barley. (Rus) Manziuk, V T; Kozachenko, M R; Kirichenko, V V *Tsitol Genet* 9 (6): 494-497. Eng. Sum. Nov/Dec 1975

036707 QH573.T75
Polyploidogenic activity of certain acenaphthene derivatives [studied in barley]. (Rus) Buidin, V V *Tsitol Genet* 9 (6): 498-500. Eng. Sum. Nov/Dec 1975

036708 QH573.T75
The use of mutagenic factors for obtaining economically valuable characters in cotton. (Rus) Kuliev, A M *Tsitol Genet* 9 (6): 510-514. Eng. Sum. Nov/Dec 1975

036709 80 T817
Interest in growing Geraniums [Breeding for disease resistance]. (Dut) Marien, W *Tuinbouwberichten* 39 (7/8): 308-310. July-/Aug 1975

036710 80 T817
Selection of female Pelargonium plants. (Dut) *Tuinbouwberichten* 39 (11): 435-436. Nov 1975

20 AK16
Creation of wheat varieties in relation to the dynamics of the racial composition of brown rust [Resistance breeding]. (Rus) Lesovoi, M P; Shkodenko, V I; Panteleev, V K *Vestn S-kh Nauki (Alma-Ata)* 10: 111-118. Eng. Sum. Oct 1975

036711 20 AK16
Genetic aspects of winter hardiness in winter soft wheats. (Rus) Fedin, M A; Silis, D IA; Barashkova, E A; Migushova, E F *Vestn S-kh Nauki (Alma-Ata)* 10: 61-67. Ref. Eng. Sum. Oct 1975

036712 20 AK16
Productivity of carrot seed in relation to inbreedng. (Rus) Tokmakov, IU G *Vestn S-kh Nauki (Alma-Ata)* 10: 118-121. Eng. Sum. Oct 1975

036713 20 AK16
Results of experiments in treating the corms of saffron [Crocus sativus] with colchicine [Genetics, fertility]. (Rus) Agaev, IU M; Muzaferova, R Sh; Savchenko, S P *Vestn S-kh Nauki (Alma-Ata)* 10: 121-123. Oct 1975

036714 1 AG84Y
Man-molded cereal—hybrid corn's story [Breeding]. Harpstead, D D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 213-224. 1975

036715 18 J825
Stand, early growth and plant and ear height of endosperm mutants and normal maize hybrids under field conditions. Pucaric, A; Crane, P L; Glover, D V *Z Acker Pflanzenbau* 141 (4): 317-325. Nov 1975

036716 450 Z32
Regeneration of haploid and diploid Datura innoxia Mill. Mesophyll protoplasts to plants. (Ger) Schieder, O *Z Pflanzenphysiol* 76 (5): 462-466. Ref. Eng. Sum. 1975

450 Z36
Contribution to the genetics of tolerance towards Septoria nodorum Berk. in wheat (Triticum aestivum). (Ger) Bronnimann, A *Z Pflanzenzucht* 75 (2): 138-160. Ref. Eng. Sum. Sept 1975

036717 450 Z36
Cytogenetics of cultivated Bougainvilleas. VI. Hybridization. Zadoo, S N; Roy, R P; Khoshoo, T N *Z Pflanzenzucht* 75 (2): 114-137. Ref. Sept 1975

036718 450 Z36
Genetical and physiological investigations on mutants for polyenoic fatty acids in rapeseed, Brassica napus L. I. Selection and description of new mutants. Robbelen, G; Nitsch, A *Z Pflanzenzucht* 75 (2): 93-105. Ref. Sept 1975

036719 450 Z36
Haploid plantlets from microspores of rye. Thomas, E; Hoffmann, F; Wenzel, G *Z Pflanzenzucht* 75 (2): 106-113. Ref. Sept 1975

036720 450 Z36
On the genetics of flower colours in diploid and tetraploid genotypes of Begonia semperflorens Link et Otto. (Ger) Reimann-Philipp, R; Lorenz, A *Z Pflanzenzucht* 75 (2): 170-178. Eng. Sum. Sept 1975

PLANT PHYSIOLOGY AND BIOCHEMISTRY—GENERAL

036721 QD1.A45
The dynamics of nitrogen and phosphorus cycling in the open waters of the Chesapeake Bay [Phytoplankton, algae]. McCarthy, J J; Taylor, W R; Taft, J L *ACS Symp Ser (Amer Chem Soc)* 18: 664-681. Ref. 1975

036722 19 AC8
Ecology of desert plants and observations on their seedlings. IV. Seed germination and seedling growth in Citrullus species. Bhandri, M C; Sen, D N *Acta Agron (Budap)* 24 (3/4): 411-416. Ref. 1975

036723 19 AC8
Ion exchange with Scenedesmus obtusiusculus [Algae]. Meszes, G *Acta Agron (Budap)* 24 (3/4): 291-295. 1975

036724 19 AC8
Study on the effects of ecological factors on Solanum dulcamara [Alkaloid production]. Mathe, I Jr; Toth, Gy; Vajda, S; Mathe, I *Acta Agron (Budap)* 24 (3/4): 325-334. Ref. 1975

036725 19 AC8
The initial phase of traumatogenic respiration. Frenyo, V *Acta Agron (Budap)* 24 (3/4): 385-387. 1975

036726 QR1.A32
Cysteine biosynthesis in Aspergillus nidulans. Stepien, P P; Pieniazek, N J; Bal, J; Morzycka, E *Acta Microbiol Pol, Ser A Microbiol Gen* 7 (4): 201-210. Ref. 1975

036727 QR1.A32
Studies on cytochrome b2 synthesis in Saccharomyces cerevisiae. Pachecka, J; Putrament, A *Acta Microbiol Pol, Ser A Microbiol Gen* 7 (4): 189-199. 1975

036728 385 AG8B
Changes of lipid composition with growth phase of Cryptococcus neoformans [Yeasts]. Itoh, T; Waki, H; Kaneko, H *Agric Biol Chem* 39 (12): 2365-2371. Ref. Dec 1975

036729 385 AG8B
Isolation of new metabolites from Aspergillus sydowi [fungi] and structure of sydowic acid. Hamasaki, T; Sato, Y; Hatsuda, Y *Agric Biol Chem* 39 (12): 2337-2340. Dec 1975

036730 385 AG8B
On the modes of action of three xylanases produced by a strain of Aspergillus niger van Tieghem [Fungi]. Takenishi, S; Tsujisaka, Y *Agric Biol Chem* 39 (12): 2315-2323. Ref. Dec 1975

036731 385 AG8B
Purification and properties of polyol: NADP [niconinamide adenine dinucleotide phosphate] oxidoreductase from pichia quercuum [Fungi]. Suzuki, T; Onishi, H *Agric Biol Chem* 39 (12): 2389-2397. Ref. Dec 1975

036732 385 AG8B
Structure of sydowinin A, sydowinin B, and sydowinol, metabolites from Aspergillus sydowi [fungi]. Hamasaki, T; Sato, Y; Hatsuda, Y *Agric Biol Chem* 39 (12): 2341-2345. Dec 1975

036733 385 AG84
Physiological ways of plant adapatation against drought. Henckel, P A *Agrochimica* 19 (5): 431-436. Sept 1975

036734 385 AG89
Metals-microelements and their role in enzymatic processes [in plants]. (Rus) Peive, IA V *Agrokhimiia* 8: 148-156. Aug 1975

036735 385 AG89
The optimization of conditions for determining iodine [content] by a kinetic rhodanine-nitrite method [in biological materials]. (Rus) Proskuriakova, G F *Agrokhimiia* 8: 138-141. Aug 1975

036736 QD421.A1A4
Amaryllidaceae and related alkaloids. Snieckus, V A *Alkaloids* 5: 170-175. Ref. 1975

036737 QD421.A1A4
Beta-phenethylamines and the isoquinoline alkaloids [Plants]. Bernhard, H O; Snieckus, V A *Alkaloids* 5: 111-169. Ref. 1975

036738 QD421.A1A4
Biosynthesis [Plant alkaloids]. Herbert, R B *Alkaloids* 5: 1-55. Ref. 1975

036739 QD421.A1A4
Erythrina and related alkaloids. Snieckus, V A *Alkaloids* 5: 176-182. Ref. 1975

036740 QD421.A1A4
Indole alkaloids [Plants]. Joule, J A *Alkaloids* 5: 183-227. Ref. 1975

036741 QD421.A1A4
Indolizidine alkaloids [Dendrobium, Tylophora]. Saxton, J E *Alkaloids* 5: 87-92. Ref. 1975

036742 QD421.A1A4
Lycopodium alkaloids. Snieckus, V A *Alkaloids* 5: 228-229. 1975

036743 QD421.A1A4
Miscellaneous alkaloids [Plants, insects]. Snieckus, V A *Alkaloids* 5: 265-290. Ref. 1975

036744 QD421.A1A4
Pyrrolidine, piperidine, and pyridine alkaloids [Plants]. Snieckus, V A *Alkaloids* 5: 56-68. Ref. 1975

036745 QD421.A1A4
Quinoline, quinazoline, acridone, and related alkaloids [Plants]. Snieckus, V A *Alkaloids* 5: 103-110. Ref. 1975

036746 QD421.A1A4
Solanum and Veratrum steroidal alkaloids. Herbert, R B *Alkaloids* 5: 256-264. Ref. 1975

036747 QD421.A1A4
Steroidal alkaloids of the Apocynaceae, Buxaceae, Asclepiadaceae, and of the Salamandra-Phyllobates group. Khuong-Huu, F; Goutarel, R *Alkaloids* 5: 242-255. Ref. 1975

036748 QD421.A1A4
The diterpenoid [Delphinium] alkaloids: chemistry and synthesis. Pelletier, S W; Page, S W *Alkaloids* 5: 230-241. Ref. 1975

036749 QD421.A1A4
The pyrrolizidine alkaloids [Plants, butterflies]. Saxton, J E *Alkaloids* 5: 77-86. Ref. 1975

036750 QD421.A1A4
The quinolizidine alkaloids [Plants, Coccinellidae]. Saxton, J E *Alkaloids* 5: 93-102. Ref. 1975

036751 QD421.A1A4
Tropane alkaloids [Plants]. Saxton, J E *Alkaloids* 5: 69-76. Ref. 1975

036752 387.1 M313
Alkaids unclassified and of unknown structure [Plants]. Manske, R H F *Alkaloids, Chem Physiol* 15: 263-306. Ref. 1975

036753 387.1 M313
The Amaryllidaceae alkaloids. Fuganti, C *Alkaloids, Chem Physiol* 15: 83-164. Ref. 1975

036754 387.1 M313
The cyclopeptide alkaloids [Plants]. Tschesche, R; Kaussmann, E U *Alkaloids, Chem Physiol* 15: 165-205. Ref. 1975

036755 387.1 M313
The Daphniphyllum [macropodum] alkaids. Yamamura, S; Hirata, Y *Alkaloids, Chem Physiol* 15: 41-81. Ref. 1975

036756 387.1 M313
The ergot [Claviceps] alkaids. Stadler, P A; Stutz, P *Alkaloids, Chem Physiol* 15: 1-40. Ref. 1975

036757 387.1 M313
The pharmacology and toxicology of the Papaveraceae alkaloids. Preininger, V *Alkaloids, Chem Physiol* 15: 207-261. Ref. 1975

036758 450 AM35
Photosynthesis and respiration rates of ferns [Pteridophyta]. Ludlow, C J; Wolf, F T *Am Fern J* 65 (2): 43-48. Ref. Apr/June 1975

036759 381 AN13
Purification of Ulex europeus hemagglutinin I by affinity chromatography. Frost, R G; Reitherman, R W; Miller, A L; O'Brien, J S *Anal Biochem* 69 (1): 170-174. Ref. Nov 1975

036760 381 AN13
Temperature of acrylamide polymerization and electrophoretic mobilities of nucleic acids [Plants]. Gressel, J; Rosner, A; Cohen, N *Anal Biochem* 69 (1): 84-71. Ref. Nov 1975

036761 450 AN7
Effect of a light-break on the growth and development of Epilobium hirsutum and Lythrum salicaria in short photoperiods. Shamsi, S R A *Ann Bot* 40 (165): 153-162. Ref. Jan 1976

036762 450 AN7
Effects of indol-3yl acetic acid on floral induction and apical differentiation in Chenopodium rubrum L. Seidlova, F; Khatoon, S *Ann Bot* 40 (165): 37-42. Ref. Jan 1976

036763 450 AN7
The temperature-gradient tunnel: a versatile controlled environment [for the study of plant growth]. Mason, G; Grime, J P; Lumb, A H *Ann Bot* 40 (165): 137-142. Ref. Jan 1976

036764 450 AN7
Variation in the carbon/dry matter ratio in plant material. Ho, L C *Ann Bot* 40 (165): 163-165. Jan 1976

036765 450 AN7
Varietal responses to temperatures in swedes [Rutabagas]. Denton, O A; Whittington, W J *Ann Bot* 40 (165): 129-136. Jan 1976

036766 R65.I8
Biosynthesis of keto-carotenoids in Dictyococcus cinnabarinus. Gribanovski-Sassu, O *Ann Ist Super Sanita (Roma)* 9 (4): 225-232. Ref. 1973 (Pub. 1974)

036767 105.4 P435
Anthurium andreanum Lindl. In hydroponic culture: influenceof substrates and of nutrition on formation of calcium oxalate. (Ita) Milletti, G *Ann Perugia Univ Fac Agrar* 29: 293-314. Ref. Eng. Sum. 1974

036768 464.9 P562
Effect of polyoxin on fungi. II. Electron microscopic observations of spore germination of Alternaria kikuchiana Tanaka. Ishizaki, H; Mitsuoka, K; Kohno, M; Kunoh, H *Ann Phytopathol Soc Jap* 41 (2): 131-140. Apr 1975

036769 QH345.A1P73
Changes in the activities of enzymes and the protein content of yeasts [Candida guilliermondii] in relation to the residual hydrocarbon levels in the biomass. Latysheva, N N; Koshtoyants, N D; Chopyak, A M; Gololobov, A D *Appl Biochem Microbiol* 10 (3): 320-323. Ref. May/June 1974 Transl 1975

036770 QH345.A1P73
Extracellular alkaline ribonuclease of Penicillium brevicompactum [Fungi]. Bezborodova, S I; Sukhodol'skaya, G V; Gulyaeva, V I; Il'ina, T V *Appl Biochem Microbiol* 10 (3): 358-363. Ref. May/June 1974 Transl 1975

036771 QH345.A1P73
Free intracellular amino acids of the mycelium of Aspergillus oryzae [Fungi] and acid proteinase synthesis. Zueva, R V; Konovalov, S A; Pomazkova, V A; Ryabchuk, V A *Appl Biochem Microbiol* 10 (2): 167-170. Ref. Mar/Apr 1974 Transl. 1975

036772 QH345.A1P73
Gel-chromatographic fractionation of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. Kuznetsov, A A; Stepanenko, B N *Appl Biochem Microbiol* 10 (3): 402-408. Ref. May/-June 1974 Transl 1975

036773 QH345.A1P73
Isolation of the acid-fast alpha-amylase of Aspergillus awamori [Fungi] and study of its properties. Zherebtsov, N A; Pashchenko, L P; Zhiteneva, T D *Appl Biochem Microbiol* 10 (2): 192-196. Ref. Mar/Apr 1974 Transl. 1975

036774 QH345.A1P73
Separation of water-soluble and water-insoluble saponins from rhizones of Dioscorea deltoidea. Paseshnichenko, V A; Borikhina, M G *Appl Biochem Microbiol* 10 (3): 388-392. Ref. May/June 1974 Transl 1975

036775 448.3 AP5
Chemical alteration of carotene biosynthesis in Phycomyces blakesleeanus [Fungi] and mutants. Lee, T C; Rodriguez, D B; Karasawa, I; Lee, T H; Simpson, K L; Chichester, C O *Appl Microbiol* 30 (6): 988-993. Ref. Dec 1975

036776 448.3 AP5
Effect of initial pH [hydrogen-ion concentration] on aflatoxin production [Aspergillus parasiticus, Fungi]. Buchanan, R L Jr; Ayres, J C *Appl Microbiol* 30 (6): 1050-1051. Dec 1975

036777 448.3 AP5
Effect of substrates on acetoin production by Torulopsis colliculosa [Yeasts] and Enterobacter [Bacteria] species. Yadav, N K; Gupta, K G *Appl Microbiol* 30 (6): 889-892. Ref. Dec 1975

036778 448.3 AP5
Studies on the biosynthesis of aspergillin by Aspergillus niger [Fungi]. Ray, A C; Eakin, R E *Appl Microbiol* 30 (6): 909-915. Ref. Dec 1975

036779 381 AR2
Characterization of elongation factor 1 from yeast [Saccharomyces cerevisiae]. Spremulli, L L; Ravel, J M *Arch Biochem Biophys* 172 (1): 261-269. Ref. Jan 1976

036780 381 AR2
Effect of cordycepin triphosphate on the nuclear DNA-dependent RNA-polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. Horowitz, B; Goldfinger, B A; Marmur, J *Arch Biochem Biophys* 172 (1): 143-148. Ref. Jan 1976

036781 381 AR2
Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from baker's yeast [Saccharomyces cerevisiae]. Cavalieri, S W; Neet, K E; Sable, H Z *Arch Biochem Biophys* 171 (2): 527-532. Ref. Dec 1975

036782 381 AR2
Fat metabolism in higher plants. The function of acyl thioesterases in the metabolism of acyl-coenzymes A and acyl-acyl carrier proteins. Shine, W E; Mancha, M; Stumpf, P K *Arch Biochem Biophys* 172 (1): 110-116. Ref. Jan 1976

036783 381 AR2
Further studies on the peptido-galactomannan from the yeast form of Cladosporium werneckii. Identification of O-acetyl substituents and isolation of the peptide components following-beta-elimination. Lee, W L; Lloyd, K O *Arch Biochem Biophys* 171 (2): 613-623. Ref. Dec 1975

036784 381 AR2
Glyceraldehyde-3-phosphate dehydrogenases from Euglena gracilis [Algae]. Purification and physical and chemical characterization. Grissom, F E; Kahn, J S *Arch Biochem Biophys* 171 (2): 444-458. Ref. Dec 1975

036785 381 AR2
Isoionic titration and isopycnic density gradient centrifugation studies of margnesium activation and subunit dissociation in yeast [Saccharomyces cerevisiae] enolase. Brewer, J M *Arch Biochem Biophys* 171 (2): 466-473. Ref. Dec 1975

036786 381 AR2
Poly(adenosine diphosphate ribose) glycohydrolase in Physarum polycephalum [Slime molds]. Tanaka, M; Miwa, M; Matsushima, T; Sugimura, T; Shall, S *Arch Biochem Biophys* 172 (1): 224-229. Ref. Jan 1976

036787 381 AR2
Specific effects on enzyme activities upon dilution of Petroselinum hortense cell cultures into water. Hahlbrock, K; Schroder, J *Arch Biochem Biophys* 171 (2): 500-506. Ref. Dec 1975

036788 381 AR2
Specificity and regulation of peptide transport in Neurospora crassa [Fungi]. Wolfinbarger, L Jr; Marzluf, G A *Arch Biochem Biophys* 171 (2): 637-644. Ref. Dec 1975

036789 381 AR2
Studies on the alkaline phosphatase and 5'-nucleotidase of Dictyostelium discoidleum [Cellular slime mold]. Lee, A; Chance, K; Weeks, C; Weeks, G *Arch Biochem Biophys* 171 (2): 407-417. Ref. Dec 1975

036790 410 AR28
Biochemical studies of algal-bacterial symbiosis in high-rate oxidation ponds with varying detention periods and algae. Ganapati, S V *Arch Hydrobiol* 76 (3): 302-367. Ref. Nov 1975

036791 475 AU73
Isolation of ergosterol peroxide from Alternaria dianthicola [Fungi]. Brown, L C; Jacobs, J J *Aust J Chem* 28 (10): 2317-2318. Oct 1975

036792 451 D48
Betalains [Cell sap pigments confined to Centrospermae]. (Ger) Reznik, H *Ber Dtsch Bot Ges* 88 (1): 179-190. Ref. Eng. Sum. 1975

036793 451 D48
Carotenoids, aspects of biosynthesis and enzymology [Plants]. Davies, B H *Ber Dtsch Bot Ges* 88 (1): 7-25. Ref. 1975

036794 451 D48
Chlorophylls: aspects of biosynthesis and their regulation. (Ger) Schneider, H A W *Ber Dtsch Bot Ges* 88 (1): 83-123. Ref. Eng. Sum. 1975

036795 451 D48
Colors and pigments: introduction [Plants]. (Ger) Czygan, F C *Ber Dtsch Bot Ges* 88 (1): 3-5. 1975

036796 451 D48
Degradation of flavonoids and isoflavones [metabolically active plant constituents], a review. (Ger) Barz, W *Ber Dtsch Bot Ges* 88 (1): 71-81. Ref. Eng. Sum. 1975

036797 451 D48
Enzymology of flavonoid biosynthesis [Plants]. (Ger) Grisebach, H *Ber Dtsch Bot Ges* 88 (1): 61-69. Ref. Eng. Sum. 1975

036798 451 D48
On the mechanism of photoregulation or morphoses: light-depending carotenoid synthesis [Fusarium aquaeductuum, Neurospora crassa, fungi]. (Ger) Rau, W *Ber Dtsch Bot Ges* 88 (1): 45-60. Ref. Eng. Sum. 1975

036799 451 D48
Phycobiliproteins [in Cyanophyceae, Rhodophyceae, Cryptophyceae, algae]. (Ger) Rudiger, W *Ber Dtsch Bot Ges* 88 (1): 125-139. Ref. Eng. Sum. 1975

036800 451 D48
Quinoid pigments [found in all plant organs]. (Ger) Leistner, E *Ber Dtsch Bot Ges* 88 (1): 163-178. Ref. Eng. Sum. 1975

036801 451 D48
Terpenoid, especially diterpenoid pigments [in plants]. (Ger) Eugster, C H *Ber Dtsch Bot Ges* 88 (1): 141-161. Ref. Eng. Sum. 1975

036802 451 D48
The reversible, light-induced conversions of xanthophylls in the chloroplast. (Ger) Hager, A *Ber Dtsch Bot Ges* 88 (1): 27-44. Ref. Eng. Sum. 1975

036803 424.8 B472
Sugar and honey types [Plant physiology and biochemistry]. (Ger) Wallner, E *Bienenvater* 97 (2): 55-57. (Continued) Feb 1976

036804 381 B523
Circular dichrosim studies on the alpha-D-galactopyranosyl binding lectin isolated from the seeds of Bandeiraea simplicifolia. Lonngren, J; Goldstein, I J; Zand, R *Biochemistry (Easton)* 15 (2): 436-440. Ref. Jan 27, 1976

036805 381 B523
The absolute configuration of the amino acids in delta-(alpha-aminoadiphyl)cysteinylvaline from Penicillium chrysogenum[Fungi]. Chan, J A; Huang, F C; Sih, C J *Biochemistry (Easton)* 15 (1): 177-180. Ref. Jan 13, 1976

036806 385 B523AE
The effect of the prosthetic group of horseradish peroxidase on the stability of the enzyme. Berezin, I V; Ugarova, N N; Kershengol'ts, B M; Brovko, L YU *Biochemistry (N Y)* 40 (2, Pt. 1): 248-251. Ref. Mar-/Apr 1975

036807 381 B522
Abundant species of poly(a)-containing RNA from Saccharomyces cerevisiae [Yeasts]. Shalitin, C; Fishcher, I *Biochim Biophys Acta* 414 (3): 263-272. Ref. Dec 19, 1975

036808 381 B522
Analysis of temperature-jump chlorophyll fluorescence induction in plants [Algae]. Schreiber, U; Colbow, K; Vidaver, W *Biochim Biophys Acta* 423 (2): 249-263. Ref. Feb 16, 1976

036809 381 B522
Cellular energy dependent agglutination of rat ascites tumor cells mediated by concanavalin A and Ricinus communis agglutinin. Kaneko, I; Hayatsu, H; Satoh, H; Ukita, T *Biochim Biophys Acta* 411 (2): 334-348. Ref. Dec 5, 1975

036810 381 B522
Chlorophyll and peptide compositions in the two photosystems of marine green algae. Nakamura, K; Ogawa, T; Shibata, K *Biochim Biophys Acta* 423 (2): 227-236. Ref. Feb 16, 1976

036811 381 B522
Detailed analysis of the ribosomal RNA synthesis in yeast [Saccharomyces carlsbergensis]. Trapman, J; Planta, R J *Biochim Biophys Acta* 414 (2): 115-125. Ref. Dec 4, 1975

036812 381 B522
Discovery of a 3',5'-guanosine monophosphate simulating factor in amoebae of Dictyostelium discoideum [Fungi]. Putnam, J B Jr; Pedersen, L G *Biochim Biophys Acta* 411 (1): 168-170. Nov 10, 1975

036813 381 B522
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. Tsujimoto, H Y; McSwain, B D; Hiyama, T; Arnon, D I *Biochim Biophys Acta* 423 (2): 303-312. Ref. Feb 16, 1976

036814 381 B522
Effect of tetraphenylboron upon the uptake of the LIpophilic cation dibenzylidmethylammonium by yeast [Saccharomyces cerevisiae] cells. Hoeberichts, J A; Borst-Pauwels, G W F H *Biochim Biophys Acta* 413 (2): 248-251. Ref. Dec 1, 1975

036815 381 B522
Effects of magnesium and chloride ions on light-induced electron transport in membrane fragments from a blue-green alga [Nostoc muscorum]. McSwain, B D; Tsujimoto, H Y; Arnon, D I *Biochim Biophys Acta* 423 (2): 313-322. Ref. Feb 16, 1976

036816 381 B522
Fluctuations in deoxyribo- and ribonucleoside triphosphate pools during the mitotic cycle of Physarum polycephalum [Fungi]. Fink, K *Biochim Biophys Acta* 414 (1): 85-89. Ref. Nov 18, 1975

036817 381 B522
Glucanases in Schizosaccharomyces, isolation and propertiesof an exo-beta-glucanase from the cell extracts and culture fluid of Schizosaccharomyces japonicus var. varsatilis. Fleet, G H; Phaff, H J *Biochim Biophys Acta* 410 (2): 318-332. Ref. Dec 18, 1975

036818 381 B522
Informational complexity of the nuclear and chloroplast genomes of Chamydomonas reinhardi [Algae]. Howell, S H; Walker, L L *Biochim Biophys Acta* 418 (3): 249-256. Ref. Feb 5, 1976

036819 381 B522
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. Vassileva Grancharova, TS; Argorova Getova, T; Krumov Nikolov, T *Biochim Biophys Acta* 418 (3): 397-403. Ref. Feb 5, 1976

036820 381 B522
Photosynthetic electron transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. Tel-Or, E; Stewart, W D P *Biochim Biophys Acta* 423 (2): 189-195. Ref. Feb 16, 1976

036821 381 B522
Protein kinase in cultured plant cells. Nakaya, N; Sugano, N; Nishi, A; Tsukada, K *Biochim Biophys Acta* 410 (2): 273-278. Ref. Dec 18, 1975

036822 381 B522
Substitution of cellular fatty acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and exogenous fatty acids. Awaya, J; Ohno, T; Ohno, H; Omura, S *Biochim Biophys Acta* 409 (3): 267-273. Ref. Dec 17, 1975

036823 381 B522
Thiamine transport mutants of Saccharomyces cerevisiae [Yeasts]. Iwashima, A; Wakabayashi, Y; Nose, Y *Biochim Biophys Acta* 413 (2): 243-247. Ref. Dec 1, 1975

036824 383 SO1
Coding origin of isoaccepting tRNA in yeast [Saccharomyces cerevisiae] mitochondria. Schneller, J M; Stahl, A; Fukuhara, H *Biochimie* 57 (9): 1051-1057. Ref. 1975

036825 383 SO1
Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in yeast [Saccharomyces cerevisiae]. II. Labelling studies of the precursor product relationship. Guerineau, M; Paoletti, C *Biochimie* 57 (8): 931-942. Ref. 1975

036826 385 B523
Characteristics of transglucosilase from Aspergillus batatae [Fungi]. (Rus) Bendetskii, K M; IArovenko, V L; Senatorova, T P *Biokhimiia* 40 (6): 1135-1144. Ref. Eng. Sum. Nov/Dec 1975

036827 385 B523
Comparative study of glutamate dehydrogenases of Chlorella [Algae]. (Rus) Shatilov, V R; Kasparova, M A; Ambartsumian, V G; Kretovich, V L *Biokhimiia* 40 (6): 1237-1245. Ref. Eng. Sum. Nov/Dec 1975

036828 450 B52
A closed system for measurement of photosynthesis, photorespiration and transpiration rates [Plants]. Catsky, J; Ticha, I *Biol Plant* 17 (6): 405-410. 1975

036829 450 B52
The effect of synchronizing dark period on populations of Scenedesmus quadricauda [Algae]. Zachleder, V; Doucha, J; Berkova, E; Setlik, I *Biol Plant* 17 (6): 416-433. Ref. 1975

036830 450 B52
Transpiration in seven plant species colonizing a fishpond shore. Kvet, J *Biol Plant* 17 (6): 434-442. Ref. 1975

036831 442.9 C14
Water-blooms [Blue-green algae]. Reynolds, C S; Walsby, A E *Biol Rev* 50 (4): 437-481. Ref. Nov 1975

036832 20 ER4
The hibernation features of some imperfect fungi in Armenia. (Rus) Pogosian, V A *Biol Zh Arm* 28 (6): 76-80. June 1975

036833 QH301.B55
Population study of Saccharomyces cerevisiae [yeasts]. I. Cell morphology and age categories distribution in dependence on the medium composition in a continuous cultivation. Beran, K; Vrana, D; Dobersky, P *Biologia, Ser C Vesobecna Biol* 30 (9): 701-713. Ref. 1975

036834 381 J8224
YATP [adenosine triphosphate] value in Candida tropicalis grown on n-alkanes, fatty acids, and acetate. Gallo, M; Azoulay, E *Biotechnol Bioeng* 17 (12): 1705-1715. Ref. Dec 1975

036835 385 SO15
Triterpenoids and anthraquinone derivatives obtained from Picramnia de Sellowii (Simaroubaceae). (Spa) Leon C, J J *Bol Soc Quim Peru* 41 (1): 14-30. Ref. Mar 1975

036836 450 B6527
Environmental influences on cuticle development and resultant foliar penetration. Hull, H M; Morton, H L; Wharrie, J R *Bot Rev* 41 (4): 421-452. Ref. Oct/Dec 1975

036837 450 B6527
Primary, preventive and permissive roles of hormones in plant systems. Khan, A A *Bot Rev* 41 (4): 391-420. Ref. Oct/Dec 1975

036838 451 R923
Age changes in the structure of population of Coscinodiscusgranii Gough [Algae]. (Rus) Ignat'evskaia, M A; Fedorov, V D *Bot Zh* 60 (11): 1551-1560. Ref. Eng. Sum. Nov 1975

036839 451 R923
Attempt of classification of terpenoid-containing conceptacles in plants. (Rus) Denisova, G A *Bot Zh* 60 (12): 1698-1706. Ref. Eng. Sum. Dec 1975

036840 451 R923
Conditions of growth and spreading of Rhododendron luteum Sweet (Ericaceae) on Slovechansko-Ovruchsky heights (Ukraine). (Rus) Smyk, G K *Bot Zh* 60 (11): 1623-1625. Ref. Nov 1975

036841 451 R923
On fertilization in Scrophulariaceae. (Rus) Afanas'eva, N G; Okulova, S M; Grakhantseva, L Sh; IUsupova, I K *Bot Zh* 60 (12): 1770-1776. Ref. Dec 1975

036842 451 R923
Photosynthetic carbon metabolism in certain plants of Vaigatch Island. (Rus) Nazarov, S K *Bot Zh* 60 (11): 1626-1631. Ref. Nov 1975

036843 451 R923
Seed yield and reproduction of perennials in Artemisia phytocoenoses in the Pamir. (Rus) Nosova, L I *Bot Zh* 60 (10): 1497-1505. Ref. Oct 1975

036844 451 R923
The development and shoot formation of Juncus trifidus L. In the Khibiny Mountains. (Rus) TSareva, V T *Bot Zh* 60 (10): 1470-1476. Ref. Oct 1975

036845 451 R923
The effect of seaweed macrophytes [Algae] on diurnal balance of vitamin B12 in Bay of Barentz Sea. (Rus) Propp, L N *Bot Zh* 60 (11): 1638-1640. Ref. Nov 1975

036846 512 W262
Effect of availability of nitrogen on alkaloid synthesis in Solanaceae [Tobacco, potatoes, Datura stramonium]. Nowacki, E; Jurzysta, M; Gorski, P *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 219-225. 1975

036847 512 W262
Phototaxis of the Myxomycetes [Fungi]: Behaviour of old plasmodia in white light [Physarum nudum]. Bialczyk, J; Rakoczy, L *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 571-575. 1975

036848 QD1.A543
X-ray diffraction determination of the structure of lagochilin [Lagochilus inebrians]. Vorontsova, L G; Chizhov, O S; Tarnopol'skii, B L; Andrianov, V I *Bull Acad Sci USSR, Div Chem Sci* 24 (2): 274-278. Ref. Feb 1975

036849 385 K99
Occurrence of kynurenine aminotransferase in extracts of yeasts. Yonaha, K; Moriguchi, M; Hirasawa, T; Yamamoto, T; Soda, K *Bull Inst Chem Res Kyoto Univ* 53 (3): 315-318. Ref. May 1975

036850 385 K99
The chemistry on diterpenoids in 1973 [Plants]. Fujita, E; Fuji, K; Nagao, Y; Node, M *Bull Inst Chem Res Kyoto Univ* 53 (3): 319-366. Ref. May 1975

036851 414.9 J274
Cell multiplication in a salt-tolerant strain of Chlorella saccharophila [Algae] under saline condition. Tsukada, O; Takada, H *Bull Jap Soc Sci Fish* 41 (11): 1095-1099. Nov 1975

036852 414.9 J274
Fatty acid composition of lipids in some species of marine algae [Codium fragile, Gracilaria vercosa, Undaria pinnatifida, Sargassum]. Sato, S *Bull Jap Soc Sci Fish* 41 (11): 1177-1183. Nov 1975

036853 383 P21B
Structure of new alkaloids from the leaves of Voacanga thouarsii. (Fre) Rolland, Y; Kunetsch, N; Libot, F; Poisson, J; Budzikiewicz, H *Bull Soc Chim Fr* 11/12: 2503-2506. Eng. Sum. Nov/Dec 1975

036854 470 C16C
Effect of cultural conditions on apothecial morphogenesis in Pyronema domesticum [Fungi]. Moore-Landecker, E *Can J Bot* 53 (23): 2759-2769. Ref. Dec 1, 1975

036855 470 C16C
Immunochemistry of carrageenans from gametophytes and sporophytes of certain red algae. Hosford, S P C; McCandless, E L *Can J Bot* 53 (23): 2835-2841. Ref. Dec 1, 1975

036856 470 C16C
Studies on lichen-dominated systems. XIII. Seasonal and geographical variation of new CO2 [carbon dioxide] exchange of Alectoria ochroleuca. Larson, D W; Kershaw, K A *Can J Bot* 53 (22): 2598-2607. Ref. Nov 15, 1975

036857 470 C16C
Studies on lichen-dominated systems. XIV. The comparative ecology of Alectoria nitidula and Cladina alpestris [Photosynthesis and respiration]. Kershaw, K A *Can J Bot* 53 (22): 2608-2613. Ref. Nov 15, 1975

036858 470 C16C
Studies on lichen-dominated systems. XV. The temperature and humidity profiles in a Cladina alpestris mat. Kershaw, K A; Field, G F *Can J Bot* 53 (22): 2614-2620. Ref. Nov 15, 1975

036859 470 C16C
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 [carbon dioxide] exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raised-beach ridge. Larson, D W; Kershaw, K A *Can J Bot* 53 (23): 2884-2892. Dec 1, 1975

036860 470 C16B
Nuclear magnetic resonance analysis of hydrogen and carbon isotopes of azulene extract derivatives of Eriocephalae punctulactus. (Fre) Llinas, J R; Roard, D; Derbesy, M; Vincent, E J *Can J Chem* 53 (19): 2911-2916. Ref. Eng. Sum. Oct 1, 1975

036861 QH573.C42
Characterization of the DNA from the dinoflagellate Crypthecodinium cohnii [Algae] and implications for nuclear organization. Allen, J R; Roberts, T M; Loeblich, A R III; Klotz, L C *Cell Mass Inst Technol* 6 (2): 161-169. Ref. Oct 1975

036862 QH573.C42
Evidence for the existence of two types of cAMP [cyclic adenosine-5'-monophosphate] binding sites in aggregating cells of Dictyostelium discoideum [Fungi]. Green, A A; Newell, P C *Cell Mass Inst Technol* 6 (2): 129-136. Ref. Oct 1975

036863 QD321.C4
Researches in the field of seaweeds [Cystoseira barbata] chemistry. IV. Molecular structure of alginic acid [Algae]. Simionescu, C; Popa, V I; Liga, A; Rusan, V *Cellul Chem Technol* 9 (5): 547-554. Ref. Sept-/Oct 1975

036864 384 B45
Alkaloids in Tabernaemontana species. V. Accedine and N (a)-methyl-epi-affinine, two new alkaloids from Tabernaemontana accedens. (Ger) Achenbach, H; Schaller, E *Chem Ber Ges Dtsch Chem* 108 (12): 3842-3854. Ref. Eng. Sum. 1975

036865 384 B45
Fungus pigments. XXIII. Tridentoquinone, a [13](3,6)Benzofuranophane from Suillus tridentinus (Boletales). (Ger) Besl, H; Hecht, H J; Luger, P; Pasupathy, V; Steglich, W *Chem Ber Ges Dtsch Chem* 108 (12): 3675-3691. Ref. Eng. Sum. 1975

036866 382 C4223
Biosynthesis of the allylphenols eugenol and methyleugenol in Ocymum basilicum L. Klischies, M; Stockigt, J; Zenk, M H *Chem Commun* 21: 879-880. Ref. 1975

036867 382 C4223
Synthesis of pulvinones, metabolites of [fungi] Aspergillusterreus and [larch mushroom] Suillus grevillei. Knight, D W; Pattenden, G *Chem Commun* 21: 876-877. 1975

036868 382 C4223
X-ray structure and absolute stereochemistry of stemarin, a diterpene with a new skeleton [Stemodia maritima]. Manchand, P S; Blount, J F *Chem Commun* 21: 894-895. Ref. 1975

036869 QD241.K453
Aglycone composition of the flavonoid glycosides of Astragalus mongolicus. Dungerdorzh, D; Petrenko, V V; Deryugina, L I *Chem Nat Compd* 10 (2): 260. Mar/Apr 1974 (Transl. 1975)

036870 QD241.K453
Alkaloids of Leucojum vernum. Kalshnikov, I D *Chem Nat Compd* 10 (2): 274. Mar/Apr 1974 (Transl. 1975)

036871 QD241.K453
An investigation of the amino acids of Passiflora incarnatacultivated in Georgia. Gavasheli, N M; Moniava, I I; Eristavi, L I *Chem Nat Compd* 10 (2): 285. Mar/Apr 1974 (Transl. 1975)

036872 QD241.K453
Cardenolides of Erysimum suffruticosum. Makarevich, I F *Chem Nat Compd* 10 (2): 189-192. Ref. Mar/Apr 1974 (Transl. 1975)

036873 QD241.K453
Cardenolides of the flowers and bulbs of Ornithogalum gussonii. Komissarenko, N F; Krivenchuk, P E *Chem Nat Compd* 10 (2): 271. Mar/Apr 1974 (Transl. 1975)

036874 QD241.K453
Cardenolides of Ornithogalum schelkovnikovii. Komissarenko, N F; Pakaln, D A *Chem Nat Compd* 10 (2): 272. Mar/Apr 1974 (Transl. 1975)

036875 QD241.K453
Chemical study of Platitenia absinthifolia. Ubaev, Kh U; Urdusheva, B; Nikonov, G K *Chem Nat Compd* 10 (2): 257. Mar/Apr 1974 (Transl. 1975)

036876 QD241.K453
Ecdysterone from Ajuga chia. Usmanov, B Z; Gorovits, M B; Abubakirov, N K *Chem Nat Compd* 10 (2): 270. Mar/Apr 1974 (Transl. 1975)

036877 QD241.K453
Essential oil of Schraderia dracocephaloides. Abbasov, R M; Shavarda, A L *Chem Nat Compd* 10 (1): 106. Jan/Feb 1974 (Transl. 1975)

036878 QD241.K453
Flavonoids from some species of Delphinium. Arazashvili, A I; Moniava, I I; Kemertelidze, E P *Chem Nat Compd* 10 (2): 261. Mar/Apr 1974 (Transl. 1975)

036879 QD241.K453
Flavonoids of Dorycnium intermedium. Zurabishvili, T S; Kemertelidze, E P *Chem Nat Compd* 10 (2): 265. Mar/Apr 1974 (Transl. 1975)

036880 QD241.K453
Flavonoids of the leaves of Rhamnus pallasii. Zurabishvili, T S; Moniava, I I *Chem Nat Compd* 10 (2): 266. Mar/Apr 1974 (Transl. 1975)

036881 QD241.K453
Flindersine from Haplophyllum perforatum. Akhmedzhanova, V I; Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (2): 280. Mar/Apr 1974 (Transl. 1975)

036882 QD241.K453
Glycosides of kaempferol from Campanula hypopolia. Dzhumyrko, S F *Chem Nat Compd* 10 (2): 262. Mar/Apr 1974 (Transl. 1975)

036883 QD241.K453
Glycosides of Vaccaria segetalis. V. Vaccarin. Baeva, R T; Karryev, M O; Litvinenko, V I; Abubakirov, N K *Chem Nat Compd* 10 (2): 182-186. Ref. Mar/Apr 1974 (Transl. 1975)

036884 QD241.K453
Glycosides of Vaccaria segetalis. VI. Baeva, R T; Karryev, M O; Amanmuradov, K; Abubakirov, N K *Chem Nat Compd* 10 (2): 273. Mar/Apr 1974 (Transl. 1975)

036885 QD241.K453
Investigation of the polysaccharides from the stems of Althaea rugosa. Kozhina, I S; Mamatov, G Z *Chem Nat Compd* 10 (2): 159-160. Mar/Apr 1974 (Transl. 1975)

036886 QD241.K453
Isolation of 6,7-dehydro-8-oxokopsinine, vincanine n-oxide, and venalstonine from Vinca erecta. Sharipov, M; Malikov, V M; Yunusov, S YU *Chem Nat Compd* 10 (2): 281. Mar/Apr 1974 (Transl. 1975)

036887 QD241.K453
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and aspartyl-tRNA synthetases from the fungus Verticillium dahliae. Ibragimov, A P; Ismailov, E M *Chem Nat Compd* 10 (2): 234-237. Ref. Mar/Apr 1974 (Transl. 1975)

036888 QD241.K453
Lactones of Jurinea maxima. Zakirov, S Kh; Kasymov, Sh Z; Sidyakin, G P *Chem Nat Compd* 10 (2): 268. Mar/Apr 1974 (Transl. 1975)

036889 QD241.K453
Linaroside—a new flavone glycoside from some species of Linaria [kokanica, Linaria sessilis]. Smirnova, L P; Zapesochnaya, G G; Ban'kovskii, A I; Boryaev, K I *Chem Nat Compd* 10 (2): 259. Mar/Apr 1974 (Transl. 1975)

036890 QD241.K453
Method for the quantitative determination of schizandrin and schizandrol in Schisandra chinensis. Samoilenko, L I; Suprunov, N I *Chem Nat Compd* 10 (2): 161-164. Mar-/Apr 1974 (Transl. 1975)

036891 QD241.K453
New alkaloids from Peganum harmala. Zharekeev, B Kh; Khashimov, Kh N; Telezhenetskaya, M V; Yunusov, S YU *Chem Nat Compd* 10 (2): 282-283. Mar/Apr 1974 (Transl. 1975)

036892 QD241.K453
Phenolic compounds from Sedum purpureum. Pokotylo, I V; Gumenyuk, L A; Dykhanov, N N *Chem Nat Compd* 10 (2): 263. Mar/Apr 1974 (Transl. 1975)

036893 QD241.K453
Polysaccharides of Matricaria chamomilla. I. Monosaccharide composition of the polysaccharide complex. Gorin, A G; Yakovlev, A I *Chem Nat Compd* 10 (2): 151-154. Mar-/Apr 1974 (Transl. 1975)

036894 QD241.K453
Polysaccharides of brown algae [Phaeophyta]. VIII. A study of pelvecyan and sargassan by methylation. Pavlenko, A F; Kurika, A V; Khomenko, V A; Ovodov, YU S *Chem Nat Compd* 10 (2): 155-158. Mar-/Apr 1974 (Transl. 1975)

036895 QD241.K453
Preliminary investigation of the glycosides of Clematis orientalis. Mel'nikov, V N; Kal'yan, YU B; Dekanosidze, G E; Chirva, V YA *Chem Nat Compd* 10 (2): 269. Mar/Apr 1974 (Transl. 1975)

036896 QD241.K453
Quantitative determination of sanguinarine and heleritrine in Bocconia cordata. Maslova, G A *Chem Nat Compd* 10 (2): 278-279. Mar/Apr 1974 (Transl. 1975)

036897 QD241.K453
Quercimeritrin from Achillea neilreichii. Zurabishvili, T S *Chem Nat Compd* 10 (2): 264. Mar/Apr 1974 (Transl. 1975)

036898 QD241.K453
Sesquiterpene lactones of Inula helenium. Kerimov, S Sh; Chizhov, O S *Chem Nat Compd* 10 (2): 267. Mar/Apr 1974 (Transl. 1975)

036899 QD241.K453
Stachydrine from Phlomis tuberosa and Panzeria lanata. Khokhrina, T A; Peshkova, V A *Chem Nat Compd* 10 (2): 284. Mar/Apr 1974 (Transl. 1975)

036900 QD241.K453
Structure of the coumarin sechulin [Seseli seseliflorum, Seseli tschuense]. Aminov, A M; Nikonov, G K *Chem Nat Compd* 10 (2): 165-167. Mar/Apr 1974 (Transl. 1975)

036901 QD241.K453
Study of the alkaloids of Sophora alopecuroides. Monakhova, T E; Tolkachev, O N; Kabanov, V S; Proskurnina, N F *Chem Nat Compd* 10 (2): 275. Mar/Apr 1974 (Transl. 1975)

036902 QD241.K453
Systems of disc electrophoresis for studying acid proteinases [Aspergillus awamori, fungi]. Strongin, L YA; Levin, E D; Stepanov, V M *Chem Nat Compd* 10 (2): 231-233. Ref. Mar/Apr 1974 (Transl. 1975)

036903 RM1.C5
Studies on the constituents of Himalayan ginseng, Panax pseudoginseng. II. The structures of the saponins. 2. Kondo, N; Shoji, J *Chem Pharm Bull* 23 (12): 3282-3285. Dec 1975

036904 RM1.C5
The constituents of Schizandra chinensis Baill. I. The structures of gomisin A, B and C. Taguchi, H; Ikeya, Y *Chem Pharm Bull* 23 (12): 3296-3298. Dec 1975

036905 475 SCI23
Cyclic nucleotide phosphodiesterase activity in Cicer arietinum. Srivastava, A K; Azhar, S *Curr Sci* 45 (1): 21. Jan 5, 1976

036906 475 SCI23
Occurrence of avicularin in the leaves of Cinchona officinalis and Cinchona robusta. Nair, A G R; Subramanian, S S *Curr Sci* 45 (1): 21-22. Jan 5, 1976

036907 442.8 D49
Regulation of development in Dictyostelium discoideum [Fungi]. I. Initiation of the growth to development transition by amino acid starvation. Marin, F T *Dev Biol* 48 (1): 110-117. Jan 1976

036908 511 P444A
Dextranase of Penicillium purpurogenum (Ftoll) [Fungi]. (Rus) Preobrazhenskaia, M E; Minakova, A L *Dokl Akad Nauk SSSR* 224 (2): 483-486. Ref. 1975

036909 511 P444A
Nonspecific hyperpolarization of plant cell under the action of poisons in small concentration [Nitella syncarpa, Algae]. (Rus) Vorob'eva, I A *Dokl Akad Nauk SSSR* 225 (1): 227-229. Ref. 1975

036910 511 P444A
Obtaining catalase in crystalline form) from the fungus Penicillium vitale Pifopl. et Bilai. (Rus) Gulyi, M F; Gudkova, L V; Degtiar', R G; Mironenko, N I; Latyshko, N V *Dokl Akad Nauk SSSR* 225 (1): 211-213. Ref. 1975

036911 511 P444A
Photosynthetic activity of the autotrophic tissue culture of Ruta. (Rus) Polevaia, V S; Smolov, A P; Ignat'ev, A R *Dokl Akad Nauk SSSR* 225 (1): 230-231. Ref. 1975

036912 511 P444A
Specific binding of invertase of the medium by yeast [Saccharomyces cerevisiae] cell surface during the regulation of formation of the enzyme. (Rus) Galcheva-Gargova, Z I; IUrkevich, V V *Dokl Akad Nauk SSSR* 225 (2): 446-449. Ref. 1975

036913 511 P444A
Steroid glycosides from the leaves of Agava americana L. (Rus) Lazur'evskii, G V; Bobeiko, V A; Kintia, P K *Dokl Akad Nauk SSSR* 224 (6): 1442-1445. 1975

036914 511 P444A
Study of the influence of paramagenetic impurities of the relaxation of protons of the [plant] tissue water using the Overhauser effect. (Rus) Samuilov, F D; Fedotov, V N; Nikiforova, V I; Odintsov, B M; Nikiforov, E A *Dokl Akad Nauk SSSR* 224 (3): 730-732. Ref. 1975

511 P444A
Study of the self-diffusion of water in biological objects by the method of nuclear spin echo using pulse gradient of the magnetic field [Plants, mice]. (Rus) Miftakhutdinova, F G; Anisimov, A V; Velikanov, G A *Dokl Akad Nauk SSSR* 224 (2): 487-490. 1975

036915 511 P444A
The distribution of phenolic compounds in the leaves of some species of the genus Allium. (Rus) Runkova, L V; Talieva, M N *Dokl Akad Nauk SSSR* 225 (1): 232-234. Ref. 1975

036916 511 P444A
The informational role of the action potentials in the cell of Acetabularia [mediterranea, Algae]. (Rus) Melkumian, V G; Rogatykh, N P; Zubarev, T N *Dokl Akad Nauk SSSR* 224 (5): 1223-1225. 1975

036917 511 P444A
The loss of the ability for the transfer of cryptobiosis (anabiosis) in poikiloxerophyte moss Funaria hygrometrica. (Rus) Genkel', P A; Levina, V V *Dokl Akad Nauk SSSR* 224 (3): 728-729. 1975

036918 S13.B82
Dissipation and respiration temperature of young and aged leaves in the dark. (Rus) Stoianov, Zh *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 35-36. 1975

036919 S13.B82
Establishing optimum conditions for deep cultivation of some Aspergillus oryzae [Fungi] mutants producers of amylase. Nikolov, T; Kibarska, T; Marinopolski, G; Ilieva, H *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 73-77. 1975

036920 S13.B82
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. Iliev, L; Graser, H *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 37-42. Ref. 1975

036921 S13.B82
35S [sulfur isotope] translocation and reduction in Sinapis arvensis L. depending upon the light regime. TSenova, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 7-10. 1975

036922 512 W263
A comparison of the production of the ground flora and of the rate of organic fall in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. Aulak, W *Ekol Pol* 23 (1): 65-81. Ref. 1975

036923 512 W263
Leaf fall and the rate of litter decay in some forest habitats [in relation to leaf production and saphrophage activity]. Stachurski, A; Zimka, J R *Ekol Pol* 23 (1): 103-108. 1975

036924 512 W263
The effect of properties of microhabitats formed on various metamorphic schists on vegetation [of meadows and forests]. Stepa, T *Ekol Pol* 23 (1): 19-63. Ref. 1975

036925 475 EX7
Enhanced inhibition of RNA synthesis by amanitins in in vitro cultured cells [Amanita phalloides, poisonous fungi]. Foa-Tomasi, L; Costanzo, F; Campadelli-Fiume, G *Experientia* 32 (1): 45-46. Ref. Jan 15, 1976

036926 475 EX7
Studies on stable and during early imbibition phases synthesized Poly(A)-RNA of Agrostemma githago embryos. (Ger) Hecker, M *Experientia* 32 (1): 50-53. Ref. Eng. Sum. Jan 15, 1976

036927 475 EX7
The effect of plant growth substances and natural products on RNA and DNA synthesis in leukocytes. Farrow, M G; Blaydes, D F; Dyke, K van *Experientia* 32 (1): 29-30. Ref. Jan 15, 1976

036928 TX501.A1U55
Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in burdock root tea [Atropa lappa]. Auerbach, L *FDA By-Line Food Drug Adm* 6 (3): 124-134. Ref. Nov 1975

036929 QD415.F4
A paramagnetic intermediate in the reduction of oxygen by reduced [fungal] laccase. Aasa, R; Branden, R; Deinum, J; Malmstrom, B G; Reinhammar, B; Vanngard, T *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 115-119. Ref. Jan 15, 1976

036930 QD415.F4
Differential cleavate of Physarum [Fungi] DNA from distinct points of S phase by restriction enzyme Eco RI. Fouquet, H; Sauer, H W *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 234-236. Ref. Jan 15, 1976

036931 QK1.F57
Peculiarities in the deveopment of Seseli degenii Urum. And Seseli tortuosum L. (Bul) Robeva-Davidova, P *Fitologiia* 1: 47-53. Eng. Sum. 1975

036932 QK1.F5
Character of ultraviolet-spectra of native DNA and DNA after acidic and alkaline denaturation depending on degree of plant supply with manganese ions. (Rus) Klimovitskaia, Z M; Lobanova, Z I *Fiziol Biokhim Kult Rast* 7 (5): 456-458. Eng. Sum. Sept-/Oct 1975

036933 QK1.F5
Labile bound phenolcarboxylic acids and flavonoids in pericarp and placenta of oil poppy [Papaver]. (Rus) Pontovich, V E; Volynets, A P; Golenko, I L *Fiziol Biokhim Kult Rast* 7 (5): 497-502. Ref. Eng. Sum. Sept/Oct 1975

036934 QK1.F5
Quantitative determination of alpha- and beta-bitter acids in hops. (Rus) Liashenko, N I *Fiziol Biokhim Kult Rast* 7 (5): 544-547. Eng. Sum. Sept/Oct 1975

036935 QK1.F5
Studies in dynamics of water release from plant tissue at superhigh frequencies. (Rus) Fedorova, A A; Ratushniak, IU M *Fiziol Biokhim Kult Rast* 7 (5): 536-539. Eng. Sum. Sept/Oct 1975

036936 450 F58
Autonomous and induced mechanisms of regulation of plant flowering. (Rus) Chailakhian, M Kh *Fiziol Rast (Mosk)* 22 (6): 1265-1282. Ref. Eng. Sum. Nov/Dec 1975

036937 450 F58
Complex method for determining natural [plant] growth regulators: biotests. (Rus) Kefeli, V I; Chailakhian, M Kh; Turetskaia, R Kh; Kof, E M; Kochankov, V G; Lozhnikova, V N; Khlopenkova, L P; IAnina, L I; Komizerko, E I; Et Al *Fiziol Rast (Mosk)* 22 (6): 1291-1298. Ref. Eng. Sum. Nov/Dec 1975

036938 450 F58
Correlation between photosynthesis and photorespiration in plants with different activity of photosynthetic apparatus. (Rus) Chmora, S N; Slobodskaia, G A; Nichiporovich, A A *Fiziol Rast (Mosk)* 22 (6): 1101-1107. Ref. Eng. Sum. Nov/Dec 1975

036939 450 F58
Effect of adenine and imidazole derivatives and indolylacetic acid on membrane potential of the cells of root hair in Trianea bogotensis. (Rus) Krasavina, M S; Ktitorova, I N *Fiziol Rast (Mosk)* 22 (6): 1156-1161. Ref. Eng. Sum. Nov/Dec 1975

036940 450 F58
Functional role of photoinduced electric response of the plant during uptake of phosphorus from soil in the light [Maize, grapes]. (Rus) Maslobrod, S A; Zemshman, A IA; Stepanov, K I; Lysikov, V N; Semin, V S *Fiziol Rast (Mosk)* 22 (6): 1162-1167. Ref. Eng. Sum. Nov/Dec 1975

036941 450 F58
Structural modification of the chloroplasts caused by changes in the rate of photosynthesis as a result of dehydration of the leaf. (Rus) Kurkova, E B *Fiziol Rast (Mosk)* 22 (6): 1121-1126. Ref. Eng. Sum. Nov/Dec 1975

036942 450 F58
Study of titanium compounds in plants. (Rus) Gryzhankova, L N; Boichenko, E A *Fiziol Rast (Mosk)* 22 (6): 1177-1182. Ref. Eng. Sum. Nov/Dec 1975

036943 450 F58
Synthesis of indoleacetic acid in normal and autonomous cultures of plant tissues. (Rus) Leonova, L A; Gamburg, K Z *Fiziol Rast (Mosk)* 22 (6): 1213-1216. Ref. Eng. Sum. Nov/Dec 1975

036944 80 W41
Granulated etherel and ARD-1266 as potential branch inducing agents of geraniums. Tija, B; Kim, H *Florists Rev* 157 (4072): 37, 74-75. Dec 18, 1975

036945 QK339.C95F6
Effect of light on seed germination and seedling growth of Merremia species. Sharma, S S; Sen, D N *Folia Geobot Phytotaxon* 10 (3): 265-269. Ref. 1975

036946 448.3 C332
Effect of tweens on the production of ergot alkaloids by Aspergillus fumigatus [Fungi]. Rao, K K; Rao, S *Folia Microbiol* 20 (5): 418-422. Ref. 1975

036947 448.3 C332
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species [Nodule bacteria from lupine, peanuts and cowpeas]. Siddiqui, K A I; Banerjee, A K *Folia Microbiol* 20 (5): 412-417. Ref. 1975

036948 448.3 C332
Reltionship between the presence of linolenic acid and the ability to form respiration-deficient mutants in yeast [Candida pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. Moulin, G; Ratomahenina, R; Galzy, P; Bezard, J *Folia Microbiol* 20 (5): 396-401. Ref. 1975

036949 QH96.F6
Algal nitrogen fixation in Californian streams: seasonal cycles. Horne, A J; Carmiggelt, C J W *Freshwater Biol* 5 (5): 461-470. Ref. Oct 1975

036950 QH96.F6
Algal nitrogen fixation in Californian streams: diel cyclesand nocturnal fixation. Horne, A J *Freshwater Biol* 5 (5): 471-477. Oct 1975

036951 QH96.F6
Studies of tolerance to heavy metals in the flora of the rivers Ystwyth and Clarach, Wales [Algae, pollution monitoring]. Mclean, R O; Jones, A K *Freshwater Biol* 5 (5): 431-444. Maps. Ref. Oct 1975

036952 450 N92
Research on photosynthetic pigments of Gracilaria verrucosa(Huds.) papenfuss [Algae]: quantitative determination of phycoerythrine. (Ita) Talarico Bisiacchi, L; Kosovel, V *G Bot Ital* 109 (4/5): 205-219. Ref. Eng. Sum. July/Oct 1975

036953 80 G1938
Plant cultivation in controlled climate requires investigation. (Nor) *Gartneryrket* 65 (43/44): 687-688. Oct 31, 1975

036954 QH431.A1G4
Cytogenetic effect of N-nitroso-N-methyl urea on cells of Crepis capillaris L. seeds stored for a long time after treatment. (Rus) Shamaeva, N N; Garina, K P *Genetika* 11 (9): 15-21. Ref. Eng. Sum. 1975

036955 S16.G9G4
Photosynthesis and agricultural production. (Gre) Orphanos, P I *Geoponika* (Ser. 3) 21 (226): 267-273. Ref. Eng. Sum. Sept/Oct 1975

036956 26 H27
Improving the fertility of the annona. (Heb) Gefen, E *Hassadeh* 56 (2): 217-218. Nov 1975

036957 384 Z38
Isolation and characterization of a mitochondrially synthesized polypeptide from Neurospora crassa cni-1 mutant [Fungi]. Michel, R; Liebl, A; Machleidt, W; Otto, J; Neupert, W *Hoppe Seylers Z Physiol Chem* 356 (10): 1595-1604. Ref. Oct 1975

036958 384 Z38
Stereochemistry and mechanism of methanol oxidase from Candida boidinii [Yeasts]. (Ger) Kraus, A; Simon, H *Hoppe Seylers Z Physiol Chem* 356 (10): 1477-1484. Ref. Eng. Sum. Oct 1975

036959 SB1.H6
Clonal propagation of Coffea arabica L. From callus culture. Herman, E B; Haas, G J *Hortsci* 10 (6): 588-589. Dec 1975

036960 SB1.H6
Contaminants present in materials commonly used to purify plant extracts for hormone analysis. Martin, G C; Dennis, F G; Gaskin, P; MacMillan, J *Hortsci* 10 (6): 598-599. Dec 1975

036961 QH90.A1H9
Effects of a light-Dark cycle on the growth of Scenedesmus protuberans Fritsch [Algae] in light-limited continuous cultures. Gons, H J; Barug, D; Mur, L R *Hydrobiol Bull* 9 (2): 71-80. Ref. Sept 1975

036962 QH90.A1H9
Eutrophication and occurrence of Oscillatoria agardhii Gom. [Algae] in the lakes bordering on Flevoland. Berger, C *Hydrobiol Bull* 9 (2): 60-61. Sept 1975

036963 QH90.A1H9
Growth of Oscillatoria agardhii Gom. [Algae]. Liere, L van; Zevenboom, W; Mur, L R *Hydrobiol Bull* 9 (2): 62-70. Ref. Sept 1975

036964 QH90.A1H9
Quantitative diatom [Algae] analysis as an archaeological aid [Soil samples]. Jansma, M J *Hydrobiol Bull* 9 (2): 87-88. Sept 1975

036965 QH90.A1H9
The development of periphyton [benthic algae] on artificial substrates. Herder-Brouwer, S J *Hydrobiol Bull* 9 (2): 81-86. Sept 1975

036966 QH601.N37 1974
Organization of inner mitochondrial and chloroplast membranes. Packer, L *In Biomembranes, Lipids, Proteins and Receptors Proceedingsof a NATO Advanced Study Institute* P. 301-311. Ref. 1974 (Pub. 1975)

036967 QH541.145.C6
Selection of optimal life histories in plants. Schaffer, W M; Gadgil, M D *In Ecology and Evolution of Communities. M. L. Cody & J. M. Diamond, eds.* P. 142-157. Ref. 1975

QL961.E4
Do animal and plant tools raise problems which are inherent? (Fre) Tetry, A *In Embryologie Chimique et Experimentale Resultats Recents Livre Jubilaire Offert a E. Wolff* P. 397-400. Ref. Eng. Sum. 1975

036968 QK882.G42
Biochemical and genetical basis for the temperature sensitivity of photosynthesis and growth in chilling-sensitive plants. Shneyour, A; Smillie, R M; Raison, J K *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 349-355. 1972 (Pub. 1975)

QK882.G42
Genetic control of chlorophyll biosynthesis and formation of its forms in vivo. Nasyrov, YU S; Giller, YU E; Usmanov, P D *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 133-145. Ref. 1972 (Pub. 1975)

036969 QK882.G42
Interactions among cellular compartments in Euglena [gracilis var. bacillaris, Algae] during chloroplast development. Schiff, J A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 63-91. Ref. 1972 (Pub. 1975)

QK882.G42
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from chlorophyll-deficient tissues. Demchenko, S I; Avetisov, V A; Butenko, R G *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 209-215. 1972 (Pub. 1975)

036970 QK882.G42
Regulation by pyruvate kinase and phosphatase of inorganic phosphate incorporation during photophosphorylation. Yasnikov, A A; Bershtein, B I; Volkova, N V; Vasilenok, L I; Volovik, O I; Zaitseva, N A; Kanivets, N P; Mushketik, L S; Okanenko, A S; Et Al *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 287-293. Ref. 1972 (Pub. 1975)

036971 QK882.G42
Relationship between the protein-synthesizing system and the structure of chloroplasts. Filippovich, I I; Alina, B A; Bezsmertnaya, I N; Tongur, A M; Oparin, A I *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 105-113. Ref. 1972 (Pub. 1975)

036972 QK882.G42
Ribosomal proteins and the origin of plastids. Odintsova, M S; Yurina, N P *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 37-41. 1972 (Pub. 1975)

036973 QK882.G42
Synthetic pigment-protein-lipoid complexes —models of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. Giller, YU E; Vakhidova, L R; Asoeva, L M; Yukhananova, L N; Abdullaeva, S K; Lipkind, B I; Krasichkova, G V; Yusupova, G A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 211-285. Ref. 1972 (Pub. 1975)

036974 QK882.G42
The implications of genetic, physiological and environmental control of chloroplast ultrastructure to the optimization of photosynthetic activity. Smillie, R M; Bishop, D G; Conroy, J *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 305-314. Ref. 1972 (Pub. 1975)

036975 QK882.G42
The metabolic and epigenetic control of chlorophyll biosynthesis. Kaler, V I *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 295-301. Ref. 1972 (Pub. 1975)

036976 QK882.G42
The relation of pigment composition in algae mutant cells to their resistance to inhibitors of photophosphorylation. Mukhamadeiev, B T; Kvitko, K V *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 203-208. Ref. 1972 (Pub. 1975)

036977 QK882.G42
The relationship of chlorophyll biosynthesis to protein and RNA synthesis in greening and green leaves. Shlyk, A A; Prudnikova, I V; Savchenko, G E; Averina, N G; Kostyuk, N N; Kamyshenko, L K; Vlasenok, L I; Gaponenko, V I; Baleva, E F; Et Al *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 119-132. Ref. 1972 (Pub. 1975)

036978 SD645.P6
Influence of the level of potassium nutrition on the physiological functions of tropical plants and the quality of their products [Bananas, pineapples, cotton]. (Fre) Martin-Prevel, P *In Potassium in Tropical Crops and Soils* P. 233-248. Ref. Eng. Sum. 1974

036979 SD645.P6
Interactions between nitrogen and potassium in the nutrition of tropical oil plants. (Fre) Ollagnier, M; Ochs, R *In Potassium in Tropical Crops and Soils* P. 215-231. Ref. Eng. Sum. 1974

036980 SD645.P6
Potassium uptake rates in tropical crops [Oilpalms]. Tinker, P B *In Potassium in Tropical Crops and Soils* P. 169-175. Ref. 1974

036981 QR111.S67
Phosphorus cycling by soil microorganisms and plant roots. Hayman, D S *In Soil Microbiology. N. Walker, ed.* P. 67-91. Ref. 1975

036982 68.29 IN23M
Some physiological differences in arabica and robusta coffee plants grown in normal soil. Gopal, N H; Vasudeva, N; Venkataramanan, D; Raju, K I *Indian Cof* 39 (7/8): 220-223. July/Aug 1975

036983 385 IN294
A new formylated chalkone, 5'-formyl-2',4-dihydroxy-4'-methoxychalkone, from the seeds of Psoralea corylifolia. Gupta, S R; Seshadri, T R; Sood, G R *Indian J Chem* 13 (6): 632. June 1975

036984 385 IN294
Alkaloids of Alphonsea ventricosa (Hook. F. & Th.). Mahanta, P K; Mathur, R K; Gopinath, K W *Indian J Chem* 13 (3): 306-307. Mar 1975

036985 385 IN294
Homalicine & (-)-dihydrohomalicine, two new isocoumarin glucosides from Homalium zeylanicum Benth. Govindachari, T R; Parthasarathy, P C; Desai, H K; Ramachandran, K S *Indian J Chem* 13 (6): 537-540. June 1975

036986 385 IN294
Isorhamnetin & quercetin glycosides from Dodonea viscosa & Sapindus emarginatus. Ramachandran Nair, A G; Subramanian, S S *Indian J Chem* 13 (6): 639-640. June 1975

036987 385 IN294
Structure & synthesis of salvitin, a new flavone isolated from Salvia plebeia. Gupta, H C; Ayengar, K N N; Rangaswami, S *Indian J Chem* 13 (3): 215-217. Mar 1975

036988 385 IN294
Synthesis of eupatilin & eupafolin, the two cytotoxic principles from the Eupatorium species. Midge, M D; Rama Rao, A V *Indian J Chem* 13 (6): 541-542. Ref. June 1975

036989 385 IN294
Terpenes. XCVI. Synthesis of 4-hydroxy-4-methyl-trans-2-pentenoic acid [Bunium cylindricum]. Vig, O P; Vig, A K; Grewal, M S; Gutpa, K C *Indian J Chem* 13 (6): 637-638. June 1975

036990 385 IN294
Triterpenoids, wax, alcohols & other constituents from Acacia senegal Willd. Joshi, K C; Tholia, M K; Sharma, M *Indian J Chem* 13 (6): 638-639. June 1975

036991 442.8 IN2
A modified minimal medium for Aspergillus nidulans [Fungi]. Prasad, N V S S K; Sandhu, R S *Indian J Exp Biol* 13 (2): 218-220. Ref. Mar 1975

036992 442.8 IN2
Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of salicylic acid by Aspergillus nidulans [Fungi]. Ramanarayanan, M; Vaidyanathan, C S *Indian J Exp Biol* 13 (4): 393-396. Ref. July 1975

036993 442.8 IN2
Localization of enzymes in the cell walls of Neurospora crassa [Fungi]. Sukumaran, C P; Mahadevan, P R *Indian J Exp Biol* 13 (2): 127-130. Ref. Mar 1975

036994 442.8 IN2
Nutrient requirements for germination of seeds & development of protocorms & seedlings of Cymbidium in aseptic cultures. Prasad, R N; Mitra, G C *Indian J Exp Biol* 13 (2): 123-126. Ref. Mar 1975

036995 442.8 IN2
Pharmacological investigation of an alkaloid fraction isolated from Strychnos potatorum Linn. Ali, M M; Ghatak, B J R *Indian J Exp Biol* 13 (2): 163-167. Ref. Mar 1975

036996 442.8 IN2
Relation between nitrogen & alkaloid contents during different developmental stages of Datura innoxia Mill. Nandi, R P; Chatterjee, S K *Indian J Exp Biol* 13 (2): 215-216. Ref. Mar 1975

036997 442.8 IN2
11beta-hydroxylation of progesterone with Curvularia lunata[Fungi]. el-Refai, A H; Sallam, L A R; Geith, H A *Indian J Exp Biol* 13 (4): 400-401. Ref. July 1975

036998 SB599.I47
Antihelminthic properties of punnakkai cake (Calophyllum inophyllum) [Nematocides]. Pillai, S N; Desai, M V; Shah, H M *Indian J Mycol Plant Pathol* 4 (2): 145-150. July 1974 (Pub. 1975)

036999 QH91.A1I52
Chromatographic analysis of phytoplankton pigments in the northwest Mediterranean sea and near the Atlantic coast of Morocco. (Fre) Neveux, J *Int Rev Gesamten Hydrobiol* 60 (5): 675-690. Map. Ref. Eng. Sum. 1975

16 IT1
Plant protection chemicals and plant regulators [Research projects, Italy]. (Ita) Baldini, E *Ital Agric* 112 (5): 38-42. May 1975

037000 442.8 M66
Culture of lipid-forming yeasts in mixtures of oxidate and hydrolysate of peat. (Bel) Zalashka, M V; Andreeuskaia, V D *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 49-51. 1975

037001 442.8 M66
Iodine accumulation in plants relative to their systematic position and habitat. (Rus) Fiadotau, U L; Bahdanau, M P; Brysau, M S *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 16-22. 1975

037002 442.8 M66
Seventieth birthday of Ivan Navumavich Rakhtseenka [Plant physiology, ecology]. (Bel) Nestsiarovich, M D *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 114-117. 1975

037003 442.8 M66
The interaction of plants in plant communities during root feeding [trees, grasses, mineral nutrition]. (Bel) Rakhtseenka, I N *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 10-15. Ref. 1975

037004 442.8 M66
Use of the method of "diffusion capsules" for studying the patterns of synthesis of some hydrolytic enzymes by microorganisms [Trichoderma lignorum]. (Bel) Labanok, A H; Paulouskaia, Zh I *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 57-60. Ref. 1975

037005 385 AG8
Effect of pepsin inhibitor (S-PI) [Streptomyces naniwaensis] on the growth and carotene formation of Rhodotorura glutinis [Yeasts]. (Jpn) Murao, S; Arai, M; Nakahara, K; Tsuchiya, M *J Agric Chem Soc Jap* 49 (11): 585-589. Ref. Eng. Sum. Nov 1975

037006 385 AG8
Production of alkaloids and related substances by fungi. XII. Isolation of festuclavine and three new indole alkaloids, roquefortine A, B and C from the cultures of Penicillium roqueforti. (Jpn) Ohmomo, S; Sato, T; Utagawa, T; Abe, M *J Agric Chem Soc Jap* 49 (11): 615-623. Ref. Nov 1975

037007 385 AG8
Studies on plant growth substances produced by microorganisms. (Jpn) Sassa, T *J Agric Chem Soc Jap* 49 (11): R35-R42. Ref. Nov 1975

037008 381 AM33J
Synthesis of (plus/minus)-crotepoxide, (plus/minus)-epicrotepoxide, and (plus/-minus)-isocrotepoxide [isolated from Croton macrostachys]. Demuth, M R; Garrett, P E; White, J D *J Am Chem Soc* 98 (2): 634-635. Ref. Jan 21, 1976

037009 385 Z64AE
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of marine algae and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. Dudkin, M S; Grinshpun, S I; Kapustina, V V *J Appl Chem USSR* 48 (4, Pt. 2): 865-869. Ref. Apr 1975

037010 448.3 J82
Acid protease activity during germination of microcysts of the cellular slime mold Polysphondylium pallidum. O'Day, D H *J Bacteriol* 125 (1): 8-13. Ref. Jan 1976

037011 448.3 J82
Effect of GAL4 gene dosage on the level of galactose catabolic enzymes in Saccharomyces cerevisiae [Yeasts]. Klar, A J S; Halvorson, H O *J Bacteriol* 125 (1): 379-381. Ref. Jan 1976

037012 448.3 J82
Physiological study of ergot [Claviceps fungi]: induction of alkaloid synthesis by tryptophan at the enzymatic level. Krupinski, V M; Robbers, J E; Floss, H G *J Bacteriol* 125 (1): 158-165. Ref. Jan 1976

037013 448.3 J82
Potassium requirement for cell division in Anacystis nidulans [Algae]. Ingram, L O; Thurston, E L *J Bacteriol* 125 (1): 369-371. Ref. Jan 1976

037014 448.3 J82
Purification and properties of a polyol dehydrogenase from Cephalosporium chrysogenus [Fungi]. Birken, S; Pisano, M A *J Bacteriol* 125 (1): 225-232. Ref. Jan 1976

037015 448.3 J82
Synthesis of polyadenylic acid-containing ribonucleic acid during the germination of Neurospora crassa conidia [Fungi]. Mirkes, P E; McCalley, B *J Bacteriol* 125 (1): 174-180. Ref. Jan 1976

037016 385 J822
Development of mitochondrial membranes in anaerobically grown yeast cells [Saccharomyces cerevisiae]. Nagata, I; Furuya, E; Yoshida, Y; Kanaseki, T; Tagawa, K *J Biochem (Tokyo)* 78 (6): 1353-1364. Ref. Dec 1975

037017 385 J822
Inhibition of 6-methylsalicylic acid synthesis by the antibiotic cerulenin [Penicillium urticae, fungi]. Ohno, H; Ohno, T; Awaya, J; Omura, S *J Biochem (Tokyo)* 78 (6): 1149-1152. Ref. Dec 1975

037018 385 J822
Renaturation of yeast [Saccharomyces cerevisiae] inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. Yano, Y; Irie, M *J Biochem (Tokyo)* 78 (5): 1001-1011. Ref. Nov 1975

037019 381 J824
A revised preparation of yeast (Saccharomyces cerevisiae) pyruvate kinase. Yun, S; Aust, A E; Suelter, C H *J Biol Chem* 25 (1): 124-128. Ref. Jan 10, 1976

037020 381 J824
Nucleotide-metabolizing enzymes in Chlamydomonas [reinhardi] flagella [Algae]. Waranabe, T; Flavin, M *J Biol Chem* 25 (1): 182-192. Ref. Jan 10, 1976

037021 381 J824
Trypsin-sensitive photosynthetic activities in chloroplast membranes from Chlamydomonas reinhardi, y-l [Algae]. Regitz, G; Ohad, I *J Biol Chem* 25 (1): 247-252. Ref. Jan 10, 1976

037022 444.8 J822
DNA replication in homogenates of Physarum polycephalum [Fungi]. Brewer, E N; Ting, P *J Cell Physiol* 86 (3): 459-470. Ref. Dec 1975

037023 QH301.J6
Ultrastructural changes and a second mode of flagellar degeneration during ageing of phytophthora palmivora [Fungi] sporangia. Hemmes, D E; Hohl, H R *J Cell Sci* 19 (3): 563-577. Ref. Dec 1975

037024 QD1.C52
Crystal and molecular structure of eupatolide, the major cytotoxic principle from Eupatorium formosanum Hay. McPhail, A T; Onan, K D *J Chem Soc, Perkin Trans II* 15: 1798-1801. Ref. 1975

037025 QD1.C52
Crystal structures of (5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,-14-dione and (5E,12E)-7beta-acetoxybertya-5,12-diene 3,14-dione [Bertya cuppressoidea]. Maslen, E N; Toia, R F; White, A H; Willis, A C *J Chem Soc, Perkin Trans II* 15: 1684-1689. 1975

037026 QD1.C52
Sterochemistry of freelingyne [(4Z,6E)-9-(3-furyl)-2,6-dimethylnona-2,4,6-trien-8-yn-4-olide] by X-ray analysis [Eremophila freelingii]. Begley, M J; Knight, D W; Pattenden, G *J Chem Soc, Perkin Trans II* 15: 1863-1866. Ref. 1975

037027 385 C443
Essential oils. XVII. Oil of Pogostemon formosanus Oliv. II. Isolation and chemistry of germacrone [from Geranium macrorrhizum]. Yeh, P H *J Chin Chem Soc* (Ser. 2) 22 (3): 237-242. Ref. Sept 1975

037028 385 C443
Studies on the components of Formosan Cirsium species. III. Flavonoids of Cirsium kawakamii hayata and Cirsium wallichii DC. Lin, C N *J Chin Chem Soc* (Ser. 2) 22 (3): 275-277. Sept 1975

037029 385 C443
Studies on the constituents of Murraya paniculata Jack. I. Wu, T S; Lin, C N; Yang, L K; Lin, S T *J Chin Chem Soc* (Ser. 2) 22 (3): 163-165. June 1975

037030 385 C443
Studies on the constituent of the rhizome of Solanum incanumL. Lin, M C; Lin, T T *J Chin Chem Soc* (Ser. 2) 22 (3): 167-170. June 1975

037031 385 C443
The constituents of Tinospora dentata Diels. Chen, I S *J Chin Chem Soc* (Ser. 2) 22 (3): 271-274. Sept 1975

037032 475 J824
Applications of high-pressure liquid chromatography and field desorption mass spectrometry in studies of natural porphyrins and chlorophyll derivatives. Evans, N; Games, D E; Jackson, A H; Matlin, S A *J Chromatogr* 115 (2) 325-333. Ref. Dec 24, 1975

037033 475 J824
High-pressure liquid chromatography of Cannabis. Identification of separated constituents. Smith, R N *J Chromatogr* 115 (L): 101-106. Dec 10, 1975

037034 450 J829
A field and laboratory study of oxygen uptake by planktonic blue-green algae [Oscillatoria redekei]. Gibson, C E *J Ecol* 63 (3): 867-879. Ref. Nov 1975

037035 450 J829
Comparative studies of plant growth and distribution in relation to waterlogging. IX. The uptake of potassium by dune and dune slack plants. Jones, R *J Ecol* 63 (3): 859-866. Ref. Nov 1975

037036 450 J829
Effects of moisture stress on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. Mott, J J; McComb, A J *J Ecol* 63 (3): 825-834. Ref. Nov 1975

037037 450 J829
Gas exchange of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. Depuit, E J; Caldwell, M M *J Ecol* 63 (3): 835-858. Ref. Nov 1975

037038 450 J829
Performance after six growing seasons of new species established from seed in Callunetum in north-east Scotland. Miles, J *J Ecol* 63 (3): 891-901. Nov 1975

037039 450 J8224
Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, sodium, chlorine isotopes] in Nitella translucens [Algae]. Williams, E J; Fensom, D S *J Exp Bot* 26 (95): 783-807. Ref. Dec 1975

037040 450 J8224
Differential responses of buds along the shoot to factors involved in apical dominance [in Hygrophila]. Cutter, E G; Chiu, H W *J Exp Bot* 26 (95): 828-839. Ref. Dec 1975

037041 450 J8224
Intercellular transport in plants. I. The rate of transport of chloride and the electric resistance [Chara corallina, Algae]. Bostrom, T E; Walker, N A *J Exp Bot* 26 (95): 767-782. Ref. Dec 1975

037042 450 J8224
Sodium and cation accumulation by senna (Cassia acutifolia)[from northern Sudan]. Ayoub, A T *J Exp Bot* 26 (95): 891-896. Dec 1975

037043 450 J8224
Water movement into and through Tradescantia virginiana (L.) leaves. I. Uptake during conditions of dynamic equilibrium. Sheriff, D W; Meidner, H *J Exp Bot* 26 (95): 897-902. Ref. Dec 1975

037044 QH91.A1J6
Growth regulators from the seaweed Chondrus crispus L. (Lyn.) [Algae]. Ballester, A *J Exp Mar Biol Ecol* 20 (2): 179-182. Ref. 1975

037045 390.08 H12
The effct of iron on a high-yielding industrial strain of Penicillium chrysogenum [fungi] and production levels of penicillin G. Pan, C H; Helper, L; Elander, R P *J Ferment Technol* 53 (12): 854-861. Dec 1975

037046 442.9 C16J
Excretion of ammonia and inorganic phosphorus by Euphausia pacifica and Metridia pacifica at different concentrations of phytoplankton. Takahashi, M; Ikeda, T *J Fish Res Board Can* 32 (11): 2189-2195. Ref. Nov 1975

037047 448.3 J824
Development and germination of [the yeast] Candida albicanschlamydospores in relation to age. Miller, S E; Scheld, H W Jr; Michaels, G E *J Gen Appl Microbiol* 21 (5): 273-278. Ref. 1975

037048 448.3 J823
Enzyme activity changes during cyclic AMP [adenosine monosphosphate]-induced stalk cell differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. Hamilton, L D; Chia, W K *J Gen Microbiol* 91 (Pt. 2): 295-306. Ref. Dec 1975

037049 448.3 J823
Hyphal tip bursting in Mucor rouxii: antagonistic effects of calcium ions and acid. Dow, J M; Rubery, P H *J Gen Microbiol* 91 (Pt. 2): 425-428. Ref. Dec 1975

037050 448.3 J823
Hyphal wall growth in Neurospora crassa and Geotrichum candidum [Fungi]. Trinci, A P J; Collinge, A J *J Gen Microbiol* 91 (Pt. 2): 355-361. Ref. Dec 1975

037051 448.3 J823
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root nodule bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. Bergersen, F J; Turner, G L *J Gen Microbiol* 91 (Pt. 2): 345-354. Ref. Dec 1975

037052 448.3 J823
Properties of some bacteriocins produced by Rhizobium trifolii [Fungi]. Schwinghamer, E A *J Gen Microbiol* 91 (Pt. 2): 403-413. Ref. Dec 1975

037053 448.3 J823
Synthesis of aflatoxins by the non-growing mycelia of Aspergillus parasiticus and the effect of inhibitors. Gupta, S R; Prasanna, H R; Viswanathan, L; Venkitasubramanian, T A *J Gen Microbiol* 91 (Pt. 2): 417-420. Ref. Dec 1975

037054 QH573.J6
Analog circuit of the Acetabularia membrane [Algae]. Gradmann, D *J Membr Biol* 25 (1/2): 183-208. Ref. 1975

037055 QH573.J6
Osmotic regulation in the marine alga, Codium decorticatum. I. Regulation of turgor pressure by control of ionic composition. Bisson, M A; Gutknecht, J *J Membr Biol* 24 (2): 183-200. Ref. 1975

037056 442.8 J8224
Developmentally regulated proteins of the plasma membrane of Dictyostelium discoideum. The carbohydrate-binding protein[Fungi]. Siu, C H; Lerner, R A; Ma, G; Firtel, R A; Loomis, W F *J Mol Biol* 100 (2): 157-178. Ref. Jan 15, 1976

037057 442.8 J8224
Small-angle X-ray scattering study of the interaction between lysine transfer RNA ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. Osterberg, R; Sjoberg, B; Rymo, L; Lagerkvist, U *J Mol Biol* 99 (3): 383-400. Ref. Dec 15, 1975

037058 442.8 J8224
The kinetics of codon-anticodon interaction in yeast phenylaline transfer RNA. Yoon, K; Turner, D H; Tinoco, I Jr *J Mol Biol* 99 (4): 507-518. Ref. Dec 1975

037059 442.8 J8224
The low resolution structure analysis of an acid proteinase from Endothia parasitica [Fungi]. Jenkins, J A; Blundell, T L; Tickle, I J; Ungaretti, L *J Mol Biol* 99 (4): 583-590. Ref. Dec 1975

037060 381 J827
A biogenetic-type approach to homoerythrina alkaloids [of Cephalotaxus harringtonia]. Marino, J P; Samanen, J M *J Org Chem* 41 (1): 179-180. Ref. Jan 9, 1976

037061 381 J827
A new synthesis of L-2-amino-3-oxalylaminopropionic acid, the Lathyrus sativus neurotoxin. Haskell, B E; Bowlus, S B *J Org Chem* 41 (1): 159-160. Ref. Jan 9, 1976

037062 381 J827
Beta-phenethylamine and tetrahydroisoquinoline alkaloids from the Mexican cactus Dolichothele longimamma. Ranieri, R L; McLaughlin, J L *J Org Chem* 41 (2): 319-323. Ref. Jan 23, 1976

037063 381 J827
Hemiaminal derivatives of neothiobinupharidine [Nuphar luteum]. LaLonde, R T; Wong, C *J Org Chem* 41 (2): 291-294. Jan 23, 1976

037064 381 J827
Krukovine, a new bisbenzylisoquinoline alkaloid from Abuta splendida Krukoff and Moldenke. Saa, J M; Lakshmikantham, M V; Mitchell, M J; Cava, M P *J Org Chem* 41 (2): 317-319. Ref. Jan 23, 1976

037065 381 J827
Revision of the structure of the bisindole alkaloid 14',15'dihydropycnanthine. A carbon-13 nuclear magnetic resonance study [Gonioma malagasy]. Rasoanaivo, P; Lukacs, G *J Org Chem* 41 (2): 376-378. Ref. Jan 23, 1976

037066 381 J827
Spectral and chemical characterization of fungal [Sporormiaaffinis] metabolite LL-N313zeta. McGahren, W J; Ellestad, G A; Morton, G O; Kunstmann, M P *J Org Chem* 41 (1): 66-71. Ref. Jan 9, 1976

037067 381 J827
Synthesis in the pyrrolizidine class of alkaloids, dl-supindine. Tufariello, J J; Tette, J P *J Org Chem* 40 (26): 3866-3869. Ref. Dec 26, 1975

037068 396.9 P49
Antimicrobial activity of Lithospermum erythrorhizon calluscultures. (Jpn) Tabata, M; Mizukami, H; Naoe, S; Konoshima, M *J Pharm Soc Jap* 95 (11): 1376-1379. Eng. Sum. Nov 1975

037069 396.9 P49
Quantitative analysis of stevioside [isolated from Stevia rebaudiana]. (Jpn) Sakamoto, I; Kohda, H; Murakami, K; Tanaka, O *J Pharm Soc Jap* 95 (12): 1507-15ll. Eng. Sum. Dec 1975

037070 396.9 P49
Studies on constituents of medicinal plants. XV. The constituents of the bark and wood of Wisteria floribunda DC. (Jpn) Tanaka, I; Ohsaki, K; Takahashi, K *J Pharm Soc Jap* 95 (11): 1388-1390. Eng. Sum. Nov 1975

037071 396.9 P49
Studies on fungal products. II. Animo acids in some species of Polyporaceae. (Jpn) Matsueda, S; Takahashi, R *J Pharm Soc Jap* 95 (11): 1374-1376. Ref. Eng. Sum. Nov 1975

037072 396.9 P49
Studies on the cultivation of Stevia rebaudiana Bertoni. Determination of stevioside. II. (Jpn) Mitsuhashi, H; Ueno, J; Sumita, T *J Pharm Soc Jap* 95 (12): 1501-1503. Eng. Sum. Dec 1975

037073 396.9 P49
Studies on the essential oil of Asarum caulescens. III. (Jpn) Endo, J *J Pharm Soc Jap* 95 (11): 1321-1326. Eng. Sum. Nov 1975

037074 396.9 P49
Studies on the Chinese crude drug "shoma". III. Triterpene glycosides from Cimicifuga japonica and structure of 25-anhydrocimigenol arabinoside. (Jpn) Sakurai, N; Nagai, M; Inoue, T *J Pharm Soc Jap* 95 (11): 1354-1360. Ref. Eng. Sum. Nov 1975

037075 396.9 P49
Studies on the constituents of fruits of Paederia chinensisHance. II. (Jpn) Kurihara, T; Kikuchi, M; Suzuki, S *J Pharm Soc Jap* 95 (11): 1380-1383. Eng. Sum. Nov 1975

037076 396.9 P49
Studies on the constituents of Corydalis sps. XII. Reaction of dihydroprotoberberine type enamine with formaldehyde. (Jpn) Naruto, S; Mizuta, H; Kagemoto, A; Nishimura, H *J Pharm Soc Jap* 95 (11): 1400-1404. Eng. Sum. Nov 1975

037077 398.8 J82
Lime mud deposition and calcareous algae in the Bight of Abaco, Bahamas: a budget. Neumann, A C; Land, L S *J Sediment Petrol* 45 (4): 763-786. Map. Ref. Dec 1975

037078 442.8 J8223
The mitotic oscillator in Physarum polycephalum. [Fungi]. Kauffman, S; Wille, J J *J Theor Biol* 55 (1): 47-93. Ref. 1975

037079 440.8 J822
Photosynthetically-linked oxidation of diaminobenzidine in blue-green algae. Lauritis, J A; Vigil, E L; Sherman, L; Swift, H *J Ultrastruct Res* 53 (3): 331-344. Ref. Dec 1975

037080 384 AN7
Components of the green deathcap toadstool, Amanita phalloides. XLIX. Phallisacin and phallacin, two newly detected acidic phallotoxins, and some amide of phallacidin. (Ger) Faulstich, H; Brodner, O; Walch, S; Wieland, T *Justus Liebigs Ann Chem* 12: 2324-2330. Ref. Eng. Sum. 1975

037081 384 AN7
Natural products from medicinal plants. XX. Scutellarioside-I and -II, a 10-cinnamoyl- and 10-(4-hydroxycinnamoyl) from Scutellaria altissima L. (Ger) Weinges, K; Kunstler, K; Schilling, G *Justus Liebigs Ann Chem* 12: 2190-2194. 1975

037082 384 AN7
Synthesis of some fungal metabolites with 4-methoxy-5,6-dihydro-2-pyrone structure. (Ger) Meyer, H; Seebach, D *Justus Liebigs Ann Chem* 12: 2261-2278. Ref. Eng. Sum. 1975

037083 442.8 K84
Biomass producton [for food and feed] on various substrates using microbiological processes. (Pol) Lorkiewicz, Z *Kosmos, Ser A Biol* 24 (4): 321-334. Ref. 1975

037084 442.8 K84
Remarks on research methods in the developmental physiology of plants. (Pol) Listowski, A *Kosmos, Ser A Biol* 24 (5): 467-477. 1975

037085 GC1.L5
A fluorometric technique for measuring sinking rates of freshwater phytoplankton [Algae]. Titman, D *Limnol Oceanogr* 20 (5): 869-875. Sept 1975

037086 GC1.L5
A method for the spectrophotometric measurement of chlorophyll a and pheophytin a in benthic microalgae. Tett, P; Kelly, M G; Hornberger, G M *Limnol Oceanogr* 20 (5): 887-896. Ref. Sept 1975

037087 GC1.L5
An evaluation of ATP [adenosine triphosphate] estimations of bacterial biomass in the presence of phytoplankton [Algae]. Jassby, A D *Limnol Oceanogr* 20 (4): 646-648. July 1975

037088 GC1.L5
Growth of oceanic phytoplankton [Algae] in enrichment cultures. Booth, B C *Limnol Oceanogr* 20 (5): 865-869. Ref. Sept 1975

037089 GC1.L5
Light responses of Daphnia pulex [Algae]. Stearns, S C *Limnol Oceanogr* 20 (4): 564-570. Ref. July 1975

037090 GC1.L5
Nitrogen fixation associated with the marine macroalga Codium fragile. Head, W D; Carpenter, E J *Limnol Oceanogr* 20 (5): 815-823. Map. Ref. Sept 1975

037091 GC1.L5
Phosphorus quota and the chlorophyll: carbon ratio in marine phytoplankton [Algae]. Tett, P; Cottrell, J C; Trew, D O; Wood, B J B *Limnol Oceanogr* 20 (4): 587-603. Ref. July 1975

037092 GC1.L5
Transport limited nutrient uptake rates in Ditylum brightwellii [Algae]. Pasciak, W J; Gavis, J *Limnol Oceanogr* 20 (4): 604-617. Ref. July 1975

037093 QH91.A1M35
Correlation between oxygen utilization and electron transport activity in marine phytoplankton [Algae]. Kenner, R A; Ahmed, S I *Mar Biol* 33 (2): 129-133. Ref. 1975

037094 QH91.A1M35
Effects of power-plant cooling system on marine phytoplankton [Algae]. Briand, F J P *Mar Biol* 33 (2): 135-146. Map. Ref. 1975

037095 QH91.A1M35
Measurements of electron transport activities in marine phytoplankton [Algae]. Kenner, R A; Ahmed, S I *Mar Biol* 33 (2): 119-127. Ref. 1975

037096 QH91.A1M35
Uptake and release of phosphorus by phytoplankton [Algae] in the Chesapeake Bay Estuary, USA. Taft, J L; Taylor, W R; McCarthy, J J *Mar Biol* 33 (1): 21-32. Map. Ref. 1975

037097 QH91.A1M35
Utilization of marine plants [Algae] and their constituentsby bacteria isolated from the gut of echninoids (Echinodermata). Prim, P; Lawrence, J M *Mar Biol* 33 (2): 167-173. Ref. 1975

037098 107.6 EH33
Studies of [plant] transpiration in relation to the environment. 6. Simulation of transpiration produced by change in air-humidity. Haseba, T *Mem Coll Agric Ehime Univ* 20: 154-166. Ref. Oct 1975

037099 442 P92
Analytical methods for yeasts [Saccharomyces cerevisiae]. Stewart, P R *Methods Cell Biol* 12: 111-147. Ref. 1975

037100 442 P92
DNA-dependent RNA polymerases from yeasts [Saccharomyces cerevisiae]. Ponta, H; Ponta, U; Wintersberger, E *Methods Cell Biol* 12: 65-76. Ref. 1975

037101 442 P92
Growth and handling of yeasts. Rose, A H *Methods Cell Biol* 12: 1-16. Ref. 1975

037102 442 P92
In vivo and in vitro synthesis of yeast [Saccharomyces cerevisiae] mitochondrial DNA. Zeman, L J; Lusena, C V *Methods Cell Biol* 12: 273-283. Ref. 1975

037103 442 P92
Induction of haploid glycoprotein mating factors in diploid yeasts [Hansenula wingei]. Crandall, M; Caulton, J H *Methods Cell Biol* 12: 185-207. Ref. 1975

037104 442 P92
Inhibitors of macromolecular synthesis in yeast. Schindler, D; Davies, J *Methods Cell Biol* 12: 17-38. Ref. 1975

037105 442 P92
Isolation of vacuoles from yeasts [Saccharomyces cerevisiae, Candida utilis]. Wiemken, A *Methods Cell Biol* 12: 99-109. Ref. 1975

037106 442 P92
Isolation of yeast DNA [Saccharomyces cerevisiae]. Cryer, D R; Eccleshall, R; Marmur, J *Methods Cell Biol* 12: 39-44. Ref. 1975

037107 442 P92
Methods for avoiding proteolytic artefacts in studies of enzymes and other proteins from yeasts [Saccharomyces cerevisiae]. Pringle, J R *Methods Cell Biol* 12: 149-180. Ref. 1975

037108 442 P92
Preparation of RNA and ribosomes from yeast [Sacchomyces cerevisiae]. Rubin, G M *Methods Cell Biol* 12: 45-64. Ref. 1975

037109 442 P92
Separation and some properties of the inner and outer membranes of yeast mitochondria [Saccharomyces carlsbergensis, Saccharomyces cerevisiae]. Bandlow, W; Bauer, P *Methods Cell Biol* 12: 311-333. Ref. 1975

037110 442 P92
Synchronization of the fission yeast Schizosaccharomyces pombe using heat shocks. Kramhoft, B; Zeuthen, E *Methods Cell Biol* 12: 373-380. Ref. 1975

037111 442 P92
The isolation of yeast nuclei and methods to study their properties [Saccharomyces carlsbergensis, Kluyveromyces fragilis]. Duffus, J H *Methods Cell Biol* 12: 77-97. Ref. 1975

037112 442 P92
The use of fluorescent DNA-binding agent for detecting and separating yeast [Saccharomyces cerevisiae] mitochondrial DNA. Williamson, D H; Fennell, D J *Methods Cell Biol* 12: 335-351. Ref. 1975

037113 448.3 M582AE
Activities of cholesterol degrading microorganisms [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, Nocardia erythropolis]. Imshenetskii, A A; Nikitin, L E; Nazarova, T S; Efimochkina, E F *Microbiology* 44 (2): 181-184. Ref. Mar/Apr 1975

037114 448.3 M582AE
An election-microscopic and biochemical study of the spheroplasts of the blue-green alga Anabaena variabilis. Baulina, O I; Korzhenevskaya, T G; Nikitina, K A; Gusev, M V *Microbiology* 44 (1): 109-112. Ref. Jan/Feb 1975

448.3 M582AE
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. Gusteleva, L A *Microbiology* 44 (1): 36-38. Jan/Feb 1975

037115 448.3 M582AE
Derepression of cellulase synthesis in Trichoderma lignorum[fungi] during limited consumption of readily assimilated carbon sources. Lobanok, A G; Pavlovskaya, Zh I *Microbiology* 44 (1): 25-28. Ref. Jan/Feb 1975

037116 448.3 M582AE
Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). Mogil'nitskii, G M; Andreev, L V; Koshcheenko, K A *Microbiology* 44 (2): 310-315. Ref. Mar/Apr 1975

037117 448.3 M582AE
Factors influencing the biosynthesis of betagalactosidase in Alternaria tenuis [Fungi]. Tikhomirova, A S; Zagustina, N A; Feniksova, R V *Microbiology* 44 (1): 21-24. Jan/-Feb 1975

037118 448.3 M582AE
Fluorochrome staining of yeast [Saccharomyces cerevisiae] nuclei with acridine-yperite. Chesnokova, M P; Bondarev, G N *Microbiology* 44 (2): 326-327. Mar/Apr 1975

037119 448.3 M582AE
Formation and distribution of free amino acids in the mycelium of Cunninghamella elegans [fungi] during growth on mediawith glucose or dodecane. Lin, L Z; Kazanskaya, T B; Bekhtereva, M N *Microbiology* 44 (1): 55-58. Ref. Jan/Feb 1975

037120 448.3 M582AE
Influence of high pressure on the content of carotenoids in the mycelium of Blakeslea trispora Thaxter [Fungi]. Feofilova, E P; Red'kina, T V *Microbiology* 44 (1): 153-154. Jan/Feb 1975

037121 448.3 M582AE
Peculiarities of the oxygen metabolism of the obligate phototrophic blue-green alga Anabaena variabilis in darkness. Sentsova, O YU; Nikitina, K A; Gusev, M V *Microbiology* 44 (2): 250-254. Ref. Mar/Apr 1975

037122 448.3 M582AE
Rapid selection of microorganisms forming extracellular lipases [Aspergillus, fungi]. Kuimova, T F; Shabanova, E A; Kazakov, G A *Microbiology* 44 (2): 324-325. Mar/Apr 1975

037123 448.3 M582AE
Yeast flora of the rhizosphere and phyllosphere of plants. Kvasnikov, E I; Nagornaya, S S; Shchelokova, I F *Microbiology* 44 (2): 299-305. Ref. Mar/Apr 1975

037124 442.8 Z34
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. Nagley, P; Mattick, J S; Hall, R M; Linnane, A W *Mol Gen Genet (MGG)* 141 (4): 291-304. Ref. 1975

037125 442.8 Z34
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. Langjahr, U G; Hartmann, E M; Brendel, M *Mol Gen Genet (MGG)* 143 (1): 113-118. Ref. 1975

037126 443.8 M98
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-nnitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum [Fungi]. Liwerant, I J; Pereira da Silva, L H *Mutat Res* 33 (2/3): 135-146. Ref. Dec 1975

037127 443.8 M98
Two mutations which confer temperature-sensitive radiation sensitivity in the yeast Saccharomyces cerevisiae. Ho, K S Y; Mortimer, R K *Mutat Res* 22 (2/3): 157-164. Dec 1975

037128 450 N48
Some germination requirements of Celmisia species. Scott, D *N Z J Bot* 13 (4): 653-664. Dec 1975

037129 514 N482
Note on occurrence of Cladosporium resinae [Fungi] in New Zealand jet fuel. Sheridan, J E *N Z J Sci* 18 (2): 209-210. June 1975

037130 410 N216
Growth of some caribou lichens of the genus Cladonia (subgenus Cladina) in a subarctic environment in New Quebec. (Fre) Ouzilleau, J; Payette, S *Nat Can* 102 (4): 597-602. Map. Ref. Eng. Sum. July/Aug 1975

037131 472 N21
DNA breakage caused by dimethyl mercury and its repair in a slime mould, Physarum polycephalum [Fungi]. Yatscoff, R W; Cummins, J E *Nature* 257 (5525): 422-423. Oct 2, 1975

037132 472 N21
Post-transcription control of isocitrate lyase induction in the eukaryotic alga Chlorella fusca. Scragg, A H; John, P C L; Thurston, C F *Nature* 257 (5527): 498-501. Ref. Oct 9, 1975

037133 472 N21
Recovery process of the sensitive plant [Mimosa pudica]. Charnley, T; Perrin, R; Porter, D *Nature* 257 (5525): 389-390. Oct 2, 1975

037134 472 N21
Sulphide-dependent anoxygenic photosynthesis in the cyanobacterium Oscillatoria limnetica [Blue-green algae]. Cohen, Y; Jorgensen, B B; Padan, E; Shilo, M *Nature* 257 (5527): 489-492. Ref. Oct 9, 1975

037135 474 N213
The triterpenoid constituents of the leaves of Ficus nitidaL. Constituents of local plants. XXII. [Egypt]. Elgamal, M H A; el-Tawil, B A H; Fayez, M B E *Naturwissenschaften* 62 (10): 486. Oct 1975

037136 12 N3892
Availability of anions in the growth medium to roots of an actively growing plant. Keulen, H van; Seligman, N G; Goudriaan, J *Neth J Agric Sci* 23 (2): 131-138. Ref. 1975

037137 QD1.N5
Rheological properties of agar-agar gels: the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. (Jpn) Watase, M; Akahane, T; Arakawa, K *Nippon Kagaku Kaishi J Chem Soc Jap* 8 (9): 1564-1571. Ref. Eng. Sum. Sept 1975

037138 450 N99
Experimental studies on form variation in Antithamnion plumula (Rhodophyceae) [Algae]. Sundene, O *Nytt Mag Bot* 22 (1): 35-42. Maps. Ref. 1975

037139 450 N99
Growth measurements of five Sphagnum species in South Norway [Musci]. Pedersen, A *Nytt Mag Bot* 22 (4): 277-284. Ref. 1975

037140 450 N99
The influence of salinity on the growth of some plankton diatoms from brackish water. Paasche, E *Nytt Mag Bot* 22 (3): 209-215. Ref. 1975

037141 QK901.A1O3
Modification of metabolism in Virginia creeper [Parthenocissus tricuspidata] leaves from sunny or shaded exposures. (Fre) Calmes, J; Vignes, D; Viala, G *Oecol Plant* 10 (3): 281-294. Ref. Eng. Sum. 1975

037142 QK901.A1O3
Problem of salinity induced putrescine formation in plants [Peas, maize]. (Ger) Jager, H J; Priebe, A *Oecol Plant* 10 (3): 267-279. Ref. Eng. Sum. 1975

037143 410 OH3
A CO [carbon dioxide]2 monitoring and control system for plant growth chambers. Patterson, D T; Hite, J L *Ohio J Sci* 75 (4): 190-193. July 1975

037144 410 OH3
Extraction and identification of clavine and lysergic acid alkaloids from morning glories [Ipomoea]. Witters, W L *Ohio J Sci* 75 (4): 198-201. Ref. July 1975

037145 410 OH3
Summer phytoplankton [algae] photosynthesis in a northeastern Ohio glacial lake. McMurray, G; Olive, J H *Ohio J Sci* 75 (5): 238-250. Ref. Sept 1975

037146 424.8 P295
Nectar production of the linden tree [Tilia, honey plants]. (Rus) Progunkov, V V *Pchelovodstvo* 10: 14-15. Oct 1975

037147 396.8 P4933
Aetheroleum Lavandulae and Aetheroleum Lavandulae hybrids in Yugoslav pharmacopedia III. (Ger) Kustrak, D; Besic, J *Pharm Acta Helv* 50 (11): 373-378. Ref. Eng. Sum. 1975

037148 396.8 P4933
Proof and isolation of iridoid glucoside from Galeopsis tetrahit L. (Labiatae) as well as structure elucidation of gluroside. (Ger) Sticher, O; Weisflog, A *Pharm Acta Helv* 50 (11): 394-403. Ref. Eng. Sum. 1975

037149 396.8 P4933
Thermofractography for recognizing flavonoids. (Ger) Stahl, E; Brombeer, J *Pharm Acta Helv* 50 (11): 385-393. Ref. 1975

037150 396.8 P4933
Weak polar cardenolide from Convallaria majalis L. Allomethylose as a sugar component of Convallaria glycosides. 13. (Ger) Kubelka, W; Kopp, B; Jentzsch, K *Pharm Acta Helv* 50 (11): 353-359. Ref. 1975

037151 QK564.P58
A note concerning calcium carbonate deposits in charophytes [Algae]. Daily, F K *Phycologia* 14 (4): 331-332. Dec 1975

037152 QK564.P58
Carrageenans in the cell walls of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with fluorescent antibody [Algae]. Gordon-Mills, E M; McCandless, E L *Phycologia* 14 (4): 275-281. Ref. Dec 1975

037153 QK564.P58
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. Yopp, J H *Phycologia* 14 (4): 299-307. Ref. Dec 1975

037154 QK564.P58
Possible effect of lower phosphorus concentrations on the phytoplankton in Onondaga Lake, New York, U.s.a. [Pollution]. Sze, P *Phycologia* 14 (4): 197-204. Ref. Dec 1975

037155 QK564.P58
The life history and ecology of the snow alga Chloromonas pichinchae (Chlorophyta, Volvocales). Hoham, R W *Phycologia* 14 (4): 213-226. Map. Ref. Dec 1975

037156 450 P5622
A new carbazole alkaloid and coumarins from roots of Clausena anisata. Okorie, D A *Phytochemistry* 14 (12): 2720-2721. Dec 1975

037157 450 P5622
A new cyanogenic glucoside from Heterodendron oleaefolium. (Ger) Hubel, W; Nahrstedt, A *Phytochemistry* 14 (12): 2723-2725. Ref. Dec 1975

037158 450 P5622
A new diterpenoid acetate from Sideritis reverchonii. Marquez, C; Panizo, F M; Rodriguez, B; Valverde, S *Phytochemistry* 14 (12): 2713-2714. Dec 1975

037159 450 P5622
Alkaloids of Urginea altissima and their antimicrobial activity against Phytophthora capsici. Miyakado, M; Kato, T; Ohno, N; Koshimizu, K *Phytochemistry* 14 (12): 2717. Dec 1975

037160 450 P5622
Cyclization and hydroxylation stereochemistry in the biosynthesis of gibberellic acid [by Gibberella fujikuroi]. Dawson, R M; Jefferies, P R; Knox, J R *Phytochemistry* 14 (12): 2593-2597. Ref. Dec 1975

037161 450 P5622
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during pyrrolizidine alkaloid biosynthesis [in Senecio by double-isotope technique]. Bale, N M; Crout, D H G *Phytochemistry* 14 (12): 2617-2622. Ref. Dec 1975

037162 450 P5622
Ethylene and extraneous material formation in woody tissues [Eucalyptus, Rhus, apricots]. Hillis, W E *Phytochemistry* 14 (12): 2559-2562. Ref. Dec 1975

037163 450 P5622
Four new labdane diterpene oxides from Sideritis gomerae. Gonzalez, A G; Fraga, B M; Hernandez, M G; Larruga, F; Luis, J G *Phytochemistry* 14 (12): 2655-2656. Dec 1975

037164 450 P5622
Further isoflavones from Pterodon apparicioi. Almeida, M E L de; Gottlieb, O R *Phytochemistry* 14 (12): 2716. Dec 1975

037165 450 P5622
Hasubanan alkaloids of Stephania japonica. Watanabe, Y; Matsui, M; Uchida, M *Phytochemistry* 14 (12): 2695-2698. Dec 1975

037166 450 P5622
Hydrocarbons from seeds [of some species of Angiospermae]. Brown, S O; Hamilton, R J; Shaw, S *Phytochemistry* 14 (12): 2726. Dec 1975

037167 450 P5622
Lactonic lignans from Cnicus benedictus. Vanhaelen, M; Vanhaelen-Fastre, R *Phytochemistry* 14 (12): 2709. Dec 1975

037168 450 P5622
Mechanism of monoterpene volatilization in Salvia mellifera. Dement, W A; Tyson, B J; Mooney, H A *Phytochemistry* 14 (12): 2555-2557. Ref. Dec 1975

037169 450 P5622
Metabolism of 24-dihydrolanosterol in Ochromonas malhamensis and Chlorella ellipsoidea [Algae]. Tsai, L B; Adler, J H; Patterson, G W *Phytochemistry* 14 (12): 2599-2600. Dec 1975

037170 450 P5622
Metabolism of 5beta-pregnane-3,20-dione and 3beta-hydroxy-5beta-pregnan-20-one by Digitalis [purpurea] suspension cultures. Hirotani, M; Furuya, T *Phytochemistry* 14 (12): 2601-2606. Ref. Dec 1975

037171 450 P5622
New steroidal saponins of Agave americana. Wilkomirski, B; Bobeyko, V A; Kintia, P K *Phytochemistry* 14 (12): 2657-2659. Ref. Dec 1975

037172 450 P5622
Parvine, a new angustine-type alkaloid from Nauclea parva. Sainsbury, M; Webb, B *Phytochemistry* 14 (12): 2691-2693. Dec 1975

037173 450 P5622
Phorbic acid from Echeveria elegans. Kringstad, R *Phytochemistry* 14 (12): 2710. Dec 1975

037174 450 P5622
Reexamination of the bromophenols in the red alga Rhodomelalarix. Weinstein, B; Rold, T L; Harrell, C E Jr; Burns, M W III; Waaland, J R *Phytochemistry* 14 (12): 2667-2670. Ref. Dec 1975

037175 450 P5622
Sesquiterpene lactones of sagebrush [Artemisia cana]: The structure of artecanin. Bhadane, N R; Shafizadeh, F *Phytochemistry* 14 (12): 2651-2653. Ref. Dec 1975

037176 450 P5622
Synthesis of eupomatenoid-7 and eupomatenoid-12 [in Eupomatia laurina]. Ahmed, R; Stevenson, R *Phytochemistry* 14 (12): 2710-2712. Ref. Dec 1975

037177 450 P5622
Synthesis of 3-polyprenyltoluquinols and 4-carboxy-2-polyprenylphenols by cell-free preparations of Euglena gracillis [Algae]. Thomas, G; Threlfall, D R *Phytochemistry* 14 (12): 2607-2615. Ref. Dec 1975

037178 450 P5622
Tetramethylputrescine from young plants of Ruellia rosea. Johne, S; Groger, D; Radeglia, R *Phytochemistry* 14 (12): 2635-2636. Ref. Dec 1975

037179 450 P5622
The bitter principles of Diocoreophyllum cumminsii seed. Ramstad, E; Powell, J W; Wilson, B J; Adesina, S K; Higginbotham, J D; Harborne, J B *Phytochemistry* 14 (12): 2719-2720. Dec 1975

037180 450 P5622
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its biological activity towards the plant pathogenic fungus, Phytophthora cinnamomi]. Moss, M O; Jackson, R M; Rogers, D *Phytochemistry* 14 (12): 2706-2708. Dec 1975

037181 450 P5622
Triglochinin in Araceae. (Ger) Nahrstedt, A *Phytochemistry* 14 (12): 2627-2628. Ref. Eng. Sum. Dec 1975

037182 450 P5622
Two new iridoid glucosides from Ixora chinensis. Takeda, Y; Nishimura, H; Inouye, H *Phytochemistry* 14 (12): 2647-2650. Ref. Dec 1975

037183 450 P5622
Xanthones of Swertia bimaculata. Ghosal, S; Sharma, P V; Chaudhuri, R K *Phytochemistry* 14 (12): 2671-2675. Ref. Dec 1975

037184 450 P5622
1-caffeylrhamnose from Lantana hybrida. Imperato, F; Leo, C di; Trovato, P *Phytochemistry* 14 (12): 2725. Dec 1975

037185 450 P5622
7,8-methylendioxy-chinolin derivatives as secondary alkaloids in the flowers of Ptelea trifoliata. (Ger) Reisch, J; Korosi, J; Szendrei, K; Novak, I; Minker, E *Phytochemistry* 14 (12): 2722-2723. Ref. Dec 1975

037186 450 P697
A biological screen of selected species of the genus Euphorbia for skin irritant effects. Kinghorn, A D; Evans, F J *Plant Med* 28 (4): 325-335. Ref. Dec 1975

037187 450 P697
A colorimetric estimation of [Panax] ginseng saponins. Hiai, S; Oura, H; Odaka, Y; Nakajima, T *Plant Med* 28 (4): 363-369. Ref. Dec 1975

037188 450 P697
A review on the chemical and pharmacological aspects of genus Berberis. Ikram, M *Plant Med* 28 (4): 353-358. Ref. Dec 1975

037189 450 P697
About a monoglucoside of emodine from the bark of Rhamnus frangula. (Ger) Rosca, M; Cucu, V *Plant Med* 28 (4): 343-345. Eng. Sum. Dec 1975

037190 450 P697
Antimicrobial action of galbanum [Gum resin of Ferula gumosa]. Vaziri, A *Plant Med* 28 (4): 370-373. Ref. Dec 1975

037191 450 P697
Chemical constituents of the seeds and bark of Syzygium cumini. Bhatia, I S; Bajaj, K L *Plant Med* 28 (4): 346-352. Ref. Dec 1975

037192 450 P697
Incidence of antibacterial activity in the Connaraceae. Boakye-Yiadom, K; Konning, G H *Plant Med* 28 (4): 347-400. Ref. Dec 1975

037193 450 P697
Investigation of Strychnos spp. III. Study of triterpenes and sterols of Strychnos potatorum seeds. Singh, H; Kapoor, V K; Manhas, M S *Plant Med* 28 (4): 392-396. Ref. Dec 1975

037194 450 P697
N-Paraffin components of some Gnaphalieae. Bicchi, C; Nano, G M; Tira, S *Plant Med* 28 (4): 389-391. Dec 1975

037195 450 P697
Phytochemical investigation of Hippeastrum vittatum growingin Egypt. II. Isolation and identification of new alkaloids. el Mohgazi, A M; Ali, A A; Mesbah, M K *Plant Med* 28 (4): 336-342. Dec 1975

037196 450 P697
Polypeptides and amino acids in the bulbus of Merendera caucasica. Ulubelen, A; Tanker, M *Plant Med* 28 (4): 379-381. Dec 1975

037197 450 P697
Presence of theobromine in leaves of Ilex perado. (Ger) Bohinc, P; Korbar-Smid, J; Bizilj-Kremzar, L *Plant Med* 28 (4):374-378. Ref. Eng. Sum. Dec 1975

037198 450 P697
Studies in the field of drugs containing anthracene derivatives. XXVI. Method for the determination of anthrones in plant materials. Struyf, E; Verhaeren, E H C *Plant Med* 28 (4): 382-388. Dec 1975

037199 450 P697
Viability and transplantability of developed tumour cell treated in vitro with antitumour agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. Durodola, J I *Plant Med* 28 (4): 359-362. Dec 1975

037200 450 P692
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. Raschke, K; Pierce, M; Popiela, C C *Plant Physiol* 57 (1): 115-121. Jan 1976

037201 450 P692
Distribution of protein-bound hexosamine in chloroplasts [of spinach, snflower and maize]. Racusen, D; Poincelot, R P *Plant Physiol* 57 (1): 53-54. Ref. Jan 1976

037202 450 P692
In vivo conversion of 5-oxoproline to glutamate by higher plants. Mazelis, M; Pratt, H M *Plant Physiol* 57 (1): 85-87. Ref. Jan 1976

037203 450 P692
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. Sachs, R M; Ryugo, K; Messerschmidt, O *Plant Physiol* 57 (1): 98-100. Jan 1976

037204 450 P692
Some physical characteristics of the enzymes of L-tryptophan biosynthesis in higher plants [Peas and maize compared to fungi and algae]. Hankins, C N; Largen, M T; Mills, S E *Plant Physiol* 57 (1): 101-104. Ref. Jan 1976

037205 450 P692
The light-harvesting chlorophyll a/b-protein complex of Chlamydomonas reinhardii [Algae]. Kan, K S; Thornber, J P *Plant Physiol* 57 (1): 47-52. Ref. Jan 1976

037206 450 P693
Chloroplast fluorescence of C4 [carbon] plants. I. Detection with infrared color film. Elkin, L; Park, R B *Planta* 127 (3): 243-250. Ref. 1975

037207 450 P693
Structural changes of the plasmalemma during cell wall regeneration of isolated protoplasts from stem callus of Skimmiajaponica Thunb. (Ger) Robenek, H; Peveling, E *Planta* 127 (3): 281-284. Ref. Eng. Sum. 1975

037208 450 P693
The hormonal control of amaranthin synthesis in Amaranthus caudatus seedlings. Kinsman, L T; Pinfield, N J; Stobart, A K *Planta* 127 (3): 207-212. Ref. 1975

037209 385 P93
Activity of dehydrogenases of the accumulative and continuous culture of the paraffin oxidizing yeast Candida. (Rus) Khokhlenko, A F; Konovalov, S A *Prikl Biokhim Mikrobiol* 11 (5): 637-639. Eng. Sum. Sept/Oct 1975

037210 385 P93
Conditions for splitting protodioscine, the main glycoside from Tribulus terrestris L. by the enzymic preparation of Aspergillus niger BKMt-33 [Fungi]. (Rus) Perepelitsa, E D; Razumovskii, P N; Kintia, P K *Prikl Biokhim Mikrobiol* 11 (6): 901-905. Eng. Sum. Nov/-Dec 1975

037211 385 P93
Dextranase formation by mycelial fungi and actinomycetes [Chromogenes]. (Rus) Vinogradova, K A; Cherkesova, G V; Petrova, L I; Mamulina, N S; Molodova, G A *Prikl Biokhim Mikrobiol* 11 (5): 730-735. Ref. Eng. Sum. Sept/Oct 1975

037212 385 P93
Effect of cultivation conditions on the activity of respiration of yeast Saccharomyces bayanus. (Rus) Sarishvili, N G; Vizel'man, B B; Kovaleva, N V; Gracheva, I M *Prikl Biokhim Mikrobiol* 11 (6): 869-872. Eng. Sum. Nov/Dec 1975

037213 385 P93
Effect of fermentation on the sapogenine yield from seeds of Trigonella foenum graecum L. (Rus) Voloshina, D A; Rumiantseva, G N; Shain, S S; Kaluniants, K A; Grebeshova, R N *Prikl Biokhim Mikrobiol* 11 (6): 896-900. Ref. Eng. Sum. Nov/Dec 1975

037214 385 P93
Effect of magnesium concentration in the culture liquid on the yeast [Candida guilliermondii] consumption of trace elements. (Rus) Korotchenko, N I; Samokhina, O V *Prikl Biokhim Mikrobiol* 11 (6): 873-876. Eng. Sum. Nov/Dec 1975

037215 385 P93
Effect of some substances on the cellulase synthesis of the thermotolerant fungus Aspergillus terreus 17P. (Rus) Ismailova, D IU; Loginova, L G *Prikl Biokhim Mikrobiol* 11 (5): 676-681. Ref. Eng. Sum. Sept/Oct 1975

037216 385 P93
Effect of temperature and active acidity of the medium on the metabolism of reserve carbohydrates and survivability of baker's yeast [Saccharomyces cerevisiae]. (Rus) Chernysh, V G; Bocharova, N N *Prikl Biokhim Mikrobiol* 11 (1): 662-668. Eng. Sum. Sept/Oct 1975

037217 385 P93
Effect of the chemical nature of the carbon source on the biomass composition [Candida tropicalis, Candida utilis, Trichosporon cutaneum, yeasts]. (Rus) Osovik, A N; Gridina, L E; Gumeniuk, G D; Burtsev, V IA; Lavrova, I P; Osovik, E M *Prikl Biokhim Mikrobiol* 11 (5): 645-648. Ref. Eng. Sum. Sept/Oct 1975

037218 385 P93
Enzymic disintegration of pectines in the presence of amino acids and proteins [Aspergillus niger, Fungi]. (Rus) Protsenko, Z I; Nogumanova, S T *Prikl Biokhim Mikrobiol* 11 (5): 765-768. Eng. Sum. Sept/Oct 1975

037219 385 P93
Formation of primary alcohols and palmitic acid as a result of hexasecane microbiological oxidation [Candida, yeasts]. (Rus) Berezin, I V; Bonartseva, G N; Ol'sinskaia, N L; Vorob'eva, L I; Egorov, N S; Ugarova, N N *Prikl Biokhim Mikrobiol* 11 (5): 653-656. Eng. Sum. Sept/Oct 1975

037220 385 P93
Furfurol influence on the energy metabolism of fodder yeast [Candida tropicalis]. (Rus) Vitrinskaia, A M; Soboleva, G A *Prikl Biokhim Mikrobiol* 11 (5): 649-652. Ref. Eng. Sum. Sept/Oct 1975

037221 385 P93
Isolation and properties of nonspecific intracellular ribonuclease of Aspergillus clavatus [Fungi]. (Rus) Ivanova, G S; Grunina, L K *Prikl Biokhim Mikrobiol* 11 (5): 746-751. Ref. Eng. Sum. Sept/Oct 1975

037222 385 P93
Measurement of relative volume of lipid incorporations of the yeast Candida guilliermondii cultivated on hydrocarbons. (Rus) Kazantsev, E N; Maksimova, G N; Shchekina, E V; Vorob'eva, G I *Prikl Biokhim Mikrobiol* 11 (5): 640-644. Eng. Sum. Sept/Oct 1975

037223 385 P93
Measurement of steroid saponins in Dioscorea deltoidea leaves. (Rus) Paseshnichenko, V A; Borikhina, M G; Guseva, A R *Prikl Biokhim Mikrobiol* 11 (5): 784-787. Ref. Eng. Sum. Sept/Oct 1975

037224 385 P93
Method of electrophoretic determination of S-methyl methionine in plants. (Rus) Khuchua, G N; Stasiak, A B *Prikl Biokhim Mikrobiol* 11 (6): 914-921. Ref. Eng. Sum. Nov/-Dec 1975

037225 385 P93
Multiple forms of acid phosphatase of the mould Aspergillusawamori str. 22. (Rus) Maksimov, V I; Kalashnikova, N A; Konovalov, S A; Kaluniants, K A *Prikl Biokhim Mikrobiol* 11 (6): 852-856. Eng. Sum. Nov/Dec 1975

037226 385 P93
Nutrient media for the lipase synthesis by Aspergillus awamori [Fungi]. (Rus) Arends, I M; Dorokhov, V V; Turochkina, T M; Borisova, T G *Prikl Biokhim Mikrobiol* 11 (5): 691-696. Eng. Sum. Sept/Oct 1975

037227 385 P93
Preparation and properties of beta-galactosidase from Alternaria tenuis [Fungi]. (Rus) Zagustina, N A; Tikhomirova, A S; Rafalovskaia, T IA; IAngol', L M; Gracheva, A IU; Feniksova, R V *Prikl Biokhim Mikrobiol* 11 (5): 725-729. Ref. Eng. Sum. Sept-/Oct 1975

037228 385 P93
Regulation of biosynthesis of amylolytic enzymes from Endomycopsis fibuligera str. 20-9 [Yeasts]. (Rus) Stepanov, A I; Afanas-'eva, V P; Zaitseva, G V; Mednikova, A P; Lupandina, I B *Prikl Biokhim Mikrobiol* 11 (5): 682-685. Ref. Eng. Sum. Sept/Oct 1975

037229 385 P93
Separation and characterization of acid proteinases from the surface culture Aspergillus terricola [Fungi]. (Rus) Voinarskii, I N; IArovenko, V L *Prikl Biokhim Mikrobiol* 11 (5): 717-724. Ref. Eng. Sum. Sept/Oct 1975

037230 385 P93
Study of acid proteinases from Aspergillus terricola [Fungi]. (Rus) Voinarskii, I N; IArobenko, V L *Prikl Biokhim Mikrobiol* 11 (6): 834-841. Ref. Eng. Sum. Nov/Dec 1975

037231 385 P93
Synthesis of methyl ester 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. (Rus) Gulaia, V E; Kriutchenko, E G; Rattel', N N; Messinova, O V; Ananchenko, S N; Torgov, I V *Prikl Biokhim Mikrobiol* 11 (5): 657-661. Ref. Eng. Sum. Sept/Oct 1975

037232 385 P93
Thermal and hydrogen-ion concentration stability of the enzymic preparation of hemicellulase from Aspergillus awamori 16-4E [Fungi]. (Rus) Platonov, A V; Dorokhov, V V *Prikl Biokhim Mikrobiol* 11 (5): 673-675. Eng. Sum. Sept/Oct 1975

037233 385 P93
Tolerance of alkaline protease of the fungus Torula thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. (Rus) Karavaeva, N N; Mukhiddinova, N G *Prikl Biokhim Mikrobiol* 11 (5): 704-710. Ref. Eng. Sum. Sept/Oct 1975

037234 385 P93
Torula thermophila [yeast] strain UzPT-1, thermophilous producer of proteolytic enzymes. (Rus) Zakirov, M Z; Shchelokova, S S; Karavaeva, N N *Prikl Biokhim Mikrobiol* 11 (5): 686-690. Eng. Sum. Sept/Oct 1975

037235 385 P93
Use of color reactions to identify lipid classes [of plant origin], tocopherols including, by thin-layer chromatography. (Rus) Semenova, L I; Kuznetsov, D I *Prikl Biokhim Mikrobiol* 11 (6): 922-926. Ref. Eng. Sum. Nov/Dec 1975

037236 385 P93
Use of malt extract as a nitrogen source for continuous cultivation of yeast Candida utilis. (Rus) Oleinikova, T A; Shkidchenko, A N; Verbina, N M *Prikl Biokhim Mikrobiol* 11 (6): 857-861. Ref. Eng. Sum. Nov/Dec 1975

037237 385 P93
Zinc consumption from the nutrient medium by the cultures of Trichosporon capitatum and Aspergillus niger [Fungi]. (Rus) Rachinskii, V V; Davidova, E G; Gradova, N B; Tret'iakova, V P; Shkarin, B I; Volkova, L V *Prikl Biokhim Mikrobiol* 11 (6): 880-884. Eng. Sum. Nov/Dec 1975

037238 514 SY2
The fruits and seed productivity in Xanthorrhoea. Staff, I A *Proc Linnean Soc N S W* 100 (441, Pt. 1): 95-102. Ref. Aug 1, 1975

037239 500 N21P
Guanosine metabolism and regulation of fruiting body construction in Dictyostelium discoideum [Fungi]. Cohen, A; Sussman, M *Proc Natl Acad Sci U S A* 72 (11): 4479-4482. Nov 1975

037240 500 N21P
Identification of NADPH [reduced nicotinamide adenine dinucleotide phosphate]-thioredoxin reductase system in Euglena gracilis [Algae]. Munavalli, S; Parker, D V; Hamilton, F D *Proc Natl Acad Sci U S A* 72 (11): 4233-4237. Ref. Nov 1975

037241 500 N21P
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an aromatic-amino-acid-synthesizing complex of Neurospora crassa [Fungi]. Welch, G R; Gaertner, F H *Proc Natl Acad Sci U S A* 72 (11): 4218-4222. Ref. Nov 1975

037242 500 N21P
Structure of yeast phenylalanine transfer RNA at 2.5 A [angstrom] resolution. Ladner, J E; Jack, A; Robertus, J D; Brown, R S; Rhodes, D *Proc Natl Acad Sci U S A* 72 (11): 4414-4418. Ref. Nov 1975

037243 500 N21P
Translation of RNA that contains polyadenylate from yeast [Saccharomyces cerevisiae] mitochondria in an Escherichia coli ribosomal system. Padmanaban, G; Hendler, F; Patzer, J; Ryan, R; Rabinowitz, M *Proc Natl Acad Sci U S A* 72 (11): 4293-4297. Ref. Nov 1975

037244 500 P383
Effects of chemical pretreatments on Ludwigia alternifolia L. ovules prior to immersion in Herr's clearing fluid. Farence, D R Jr; Smith, B B *Proc Pa Acad Sci* 49 (1): 89-91. Ref. 1975

037245 500 P383
The effects of high and low carbon dioxide concentrations on plankton population dynamics [Algae]. Zagorski, S J; Marchese, J R; Ryden, R J *Proc Pa Acad Sci* 49 (1): 40-44. Ref. 1975

037246 500 P383
The use of mid-day 14C [carbon isotope] fixation studies inthe determination of primary productivity in lake systems [Algae]. Bennett, G R; Wohler, J R; Moore, J R *Proc Pa Acad Sci* 49 (1): 73-75. Ref. 1975

037247 501 L84B
Diurnal changes in nitrogen fixation in the root nodules of Casuarina [cunninghamiana]. Bond, G; Mackintosh, A H *Proc R Soc Lond, B Biol Sci* 192 (1106): 1-12. Ref. Dec 31, 1975

037248 21 R862
Correlation between the weight of seeds and of seedlings in the field. (Rum) Glodeanu, D *Prod Veg Cereale Plante Teh* 26 (11): 17-19. Nov 1974

037249 442.8 R11
Molecular mechanisms of stimulating effect of ionizing radiation on seeds: Activation of RNA synthesis [Castorbeans]. (Rus) Kuzin, A M; Vagabova, M E; Primak-Miroliubov, V N *Radiobiologiia* 15 (5): 747-750. Eng. Sum. Sept/Oct 1975

442.8 R11
Sensitizing activity of plant radiotoxins [Allergic reaction in mice and guinea pigs]. (Rus) Kuzin, A M; Klemparskaia, N N; Krikukova, L M; Isichenko, I B *Radiobiologiia* 15 (6): 875-878. Eng. Sum. Nov/Dec 1975

037250 442.8 R11
The effect of caffeine on the survival and recovery of irradiated yeast cells [Radiation, injuries]. (Rus) Kabakova, N M; Kapul't-sevich, IU G; Petin, V G *Radiobiologiia* 15 (6): 850-855. Ref. Eng. Sum. Nov/Dec 1975

037251 64.8 R18
Automatic average-value signal control of temperature and relative air humidity in a phytochamber. (Bul) Kondakov, I; Kilifarska-Petkova, M *Rastenievud Nauk* 12 (6): 3-8. Eng. Sum. 1975

037252 64.8 R18
Biological effect of some alcohols isolated from essential oils [of Scenedesmus acutus, Algae]. (Bul) Zolotovich, G; Mikhailova, S; Georgieva, M *Rastenievud Nauk* 12 (6): 54-60. Eng. Sum. 1975

64.8 R18
Vegetative and reproduction habits of castorbean (Ricinus communis) as affected by the nutrient area [Spacing]. (Bul) Gulubov, S *Rastenievud Nauk* 12 (7): 93-103. Ref. Eng. Sum. 1975

037253 330.9 N67
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of cellulase, pectinlyase, and acid proteinase [Fungi]. Nasuno, S *Rep Noda Inst Sci Res* 19: 31-34. Ref. 1975

037254 330.9 N67
Purfication and specificity of Aspergillus sojae DNase [Deoxyribonuclease, fungi]. Suzuki, M; Sakaguchi, K *Rep Noda Inst Sci Res* 19: 24-30. Ref. 1975

037255 QH91.A1S3
The natural history of the Hardangerfjord. 12. The late summer water exchange in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an offshore population into the fjord in June, 1956. Braarud, T *Sarsia* 58: 9-30. June 27, 1975

037256 472 SCI22
Slime moulds [Acrasiales, Myxomycetes] in biological research. Dee, J *Sci Prog* 62 (248): 523-542. Ref. Winter 1975

037257 472 SCI22
The mechanism of energy conversion in photosynthesis [Bluegreen algae, hoigher plants]. Evans, M C W *Sci Prog* 62 (248): 543-558. Ref. Winter 1975

037258 470 SCI2
Antileukemic principles isolated from Euphorbiaceae plants [Euphorbia esula, Croton tiglium]. Kupchan, S M; Uchida, I; Branfman, A R; Dailey, R G Jr; Fei, B YU *Science* 191 (4227): 571-572. Ref. Feb 13, 1976

037259 470 SCI2
Photoproduction of molecular hydrogen by a plant [Azolla]-algal symbiotic system. Newton, J W *Science* 191 (4227): 559-561. Ref. Feb 13, 1976

037260 470 SCI2
Plant desiccation [of the drought-tolerant mass Tortula ruralis]: polysome loss not due to ribonuclease. Dhindsa, R S; Bewley, J D *Science* 191 (4223): 181-182. Jan 16, 1976

037261 470 SCI2
Subcellular localization of inorganic ions in plant cells [Nitella translucens, algae]. Lauchli, A *Science* 191 (4226): 492. Feb 6, 1976

037262 S13.S44
Control of the distribution of plastic substances in hop plants. (Rus) Titova, E N; Grigor'ev, V G *S-kh Biol* 10 (4): 622-623. July/Aug 1975

S13.S44
Genetic and physiological mechanisms of the regularity of earliness in annual plants. (Rus) Obraztsov, A S *S-kh Biol* 10 (3): 334-342. Ref. Eng. Sum. May/June 1975

037263 S13.S44
Gliadins of Aegilops species of the Sitopsis (Jaub. Et Spach) Zhuk. section and the structure of the S(B) genome. (Rus) Konarev, V G; Peneva, T I *S-kh Biol* 10 (2): 211-219. Ref. Eng. Sum. Mar/Apr 1975

037264 S13.S44
On some molecular mechanisms retaining water in plant cells. (Rus) Fedorova, A A; Sedykh, N V *S-kh Biol* 10 (3): 364-369. Ref. Eng. Sum. May/June 1975

037265 S13.S44
On the use of assimilation chambers to evaluate photosynthesis under field conditions. (Rus) Vaulin, A V *S-kh Biol* 10 (3): 434-437. Eng. Sum. May/June 1975

037266 S13.S44
Present concepts of temperature gradients of the medium and plant and their application in agriculture. (Rus) Radchenko, S I *S-kh Biol* 10 (4): 497-504. Ref. Eng. Sum. July/Aug 1975

037267 511 AK146
Accumulation of Vinca herbacea alkaloids according to the vegetation phases. (Rus) Dzhakeli, E Z; Mudzhiri, K S *Soobshch Akad Nauk Gruz SSR* 80 (1): 113-116. Eng. Sum. Oct 1975

037268 511 AK146
Beta-sitosterol from Rhododendron caucasicum Pall stems and leaves. (Rus) Tushishvili, L Sh; Zambakhidze, N E; Kekelidze, N A *Soobshch Akad Nauk Gruz SSR* 80 (1): 181-184. Ref. Eng. Sum. Oct 1975

037269 511 AK146
Comparative capacity of amino acid incorporation by isolated nuclei and chloroplast preparations [Chlorella, Algae]. (Rus) Balashvili, M I; Dzhokadze, D I *Soobshch Akad Nauk Gruz SSR* 80 (1): 173-176. Ref. Eng. Sum. Oct 1975

037270 511 AK146
Vincamine from Vinca minor L. Cultivated in Georgia [USSR]. (Rus) Robakidze, Z V; Mudzhiri, M M; Vachnadze, V IU; Mudzhiri, K S *Soobshch Akad Nauk Gruz SSR* 80 (2): 377-379. Ref. Eng. Sum. 1975

037271 QH491.S66
Polar distribution of RNA in cytoplasm of Acetabularia mediterranea [Algae]. Naumova, L P; Samorodova, N I; Sandakhchiev, L S *Sov J Dev Biol* 6 (1): 85-89. Ref. Jan/Feb 1975

037272 QH540.E32
Thermal hardening of the cells of higher plants in the semiarid subtropics. Fal'kova, T V *Sov J Ecol* 6 (1): 68-74. Ref. Jan/Feb 1975

037273 450 F58AE
Daily changes of xanthophyll content in leaves of lady's mantle [Alchimilla subcrenata] growing beyond the polar circle. Luk'yanova, L M; Markovskaya, E F *Sov Plant Physiol* 22 (3): 407-414. Ref. May/-June 1975

037274 450 F58AE
Effects of gibberellic acid and maleic hydrazide on certain biochemical indices of Scenedesmus obliquus [Algae]. Dushkova, P I; Dencheva, A V *Sov Plant Physiol* 22 (3): 520-524. Ref. May/June 1975

037275 450 F58AE
Free phenolcarboxylic acids in the pericarp and placenta of opium poppy. Pontovich, V E; Volynets, A P; Klimova, G V; Golenko, I N *Sov Plant Physiol* 22 (3): 422-427. Ref. May/June 1975

037276 450 F58AE
Gradient system of chlorine and ash distribution in plants and its ecological-physiological significance. Kostina, A E; Portyanko, V F; Dulova, M K *Sov Plant Physiol* 22 (3): 532-534. May/June 1975

037277 450 F58AE
In vivo excretions of the blue-green algae Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. Karaush, G A; Fedorov, V D *Sov Plant Physiol* 22 (3): 510-516. Ref. May/June 1975

037278 450 F58AE
Isolation of a pure fungal culture during cultivation of cells of Kochia americana. Komizerko, E I *Sov Plant Physiol* 22 (3): 504-509. May/June 1975

037279 450 F58AE
Laboratory apparatus for conducting experiments on investigation of plant objects in a regulated gas environment. Rakitin, L YU; Rakitin, V YU *Sov Plant Physiol* 22 (3): 553-557. Ref. May/June 1975

037280 450 F58AE
Luminescent-microscopic study of root tissue of common rue [Ruta graveolens]. Kuzovkina, I N; Ladygina, E YA; Smirnov, A M *Sov Plant Physiol* 22 (3): 501-503. May/June 1975

037281 450 F58AE
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration [Funaria hygrometrica, musci, Trentepholia umbrina, Pleurococcus vulgaris, algae]. Genkel', P A; Levina, V V *Sov Plant Physiol* 22 (3): 488-491. Ref. May/June 1975

037282 450 F58AE
Study of high-molecular-weight polyphosphates at different stages of development of Acetabularia crenulata [Algae]. Kulaev, I S; Rubtsov, P M; Bommer, B; Yazykov, A A *Sov Plant Physiol* 22 (3): 445-450. Ref. May/June 1975

037283 450 F58AE
Transport and conversion of sugars in nectaries in connection with the secretory function [Asclepias, pumpkins]. Zauralov, O A; Pavlinova, O A *Sov Plant Physiol* 22 (3): 415-421. Ref. May/June 1975

037284 QD95.A1S62
Comparison of mineral acids in wet digestion of plant materials for flame and flameless atomic absorption measuremnt of metals. Dokiya, Y; Yamamoto, Y; Toda, S; Fuwa, K *Spectrosc Lett* 8 (10): 759-769. 1975

037285 QH301.I52
The biology of plant phenolics. Walker, J R L *Stud Biol Inst Biol (Lond)* 54, 57 P. Ref. 1975

037286 382 T29
Constituents of Tabebuia guayacan the structure of guayacanin. Manners, G D; Jurd, L; Wong, R; Palmer, K *Tetrahedron* 31 (24): 3019-3024. Ref. 1975

037287 382 T29
Synthesis of compounds containing the isoprene unit. A stereospecific synthesis of dehydronerol isovalerate, a component of Anthemis montana L. Cardillo, G; Orena, M; Sandri, S *Tetrahedron* 32 (1): 107-108. 1976

037288 385 T29
A new diglucoside from the anthelmintic berries of Diospyros Mollis. Borsub, L; Thebtaranonth, Y; Ruchirawat, S; Sadavongvivad, C *Tetrahedron Lett* 2: 105-108. Ref. Jan 1976

037289 385 T29
Biosynthesis of ravenelin from [1-13C]-and [1,2-13C]-acetate [Helminthosporium, fungi]. Birch, A J; Simpson, T J; Westerman, P W *Tetrahedron Lett* 47: 4173-4177. Nov 1975

037290 385 T29
Bromonium ion-induced cyclization of methyl farnesate: application to the synthesis of snyderol [Laurencia snyderae, algae]. Gonzalez, A G; Martin, J D; Perez, C; Ramirez, M A *Tetrahedron Lett* 2: 137-138. Jan 1976

037291 385 T29
Constituents of Evodia floribunda Baker, I. Floribundic acid, a new diterpene of the clerodane type. (Fre) Billet, D; Durgeat, M; Heitz, S; Ahond, A *Tetrahedron Lett* 44: 3825-3826. Oct 1975

037292 385 T29
Microbial hydroxylation of steroidal delta 3,5 enol acetates [Rhizopus arrhizus, fungi]. Holland, H L; Auret, B J *Tetrahedron Lett* 44: 3787-3788. Oct 1975

037293 385 T29
Nematicidal polyacetylenes, 3Z,11E- and 3E,11E-trideca-1,3,11-triene-5,7,9-triyne from Carthamus tinctorius L. Kogiso, S; Wada, K; Munakata, K *Tetrahedron Lett* 2: 109-110. Jan 1976

037294 385 T29
New sesquiterpene lactone and aldehyde of Frullania tamarisci subsp. obscura (Hepaticae). Asakawa, Y; Oourisson, G; Aratani, T *Tetrahedron Lett* 45: 3957-3960. Ref. Nov 1975

037295 385 T29
Nuclear nagnetic resonance of lichenin [Musci, Cetraria islandica]. Gagnaire, D; Marchessault, R H; Vincedon, M *Tetrahedron Lett* 45: 3953-3956. Ref. Nov 1975

037296 385 T29
Perforene, a new halogenated sesquiterpene from the red algaLaurencia perforata. Gonzales, A G; Aguiar, J M; Martin, J D; Rodriguez, M L *Tetrahedron Lett* 3: 205-206. Jan 1976

037297 385 T29
Revision of the strucure of melobaline [isolated from Melodinus balansae]. (Fre) Damak, M; Ahond, A; Potier, P *Tetrahedron Lett* 3: 167-170. Ref. Jan 1976

037298 385 T29
Structural revision for prenylated pulvinone metabolites from Aspergillus terreus [Fungi]. Begley, M J; Knight, D W; Pattenden, G *Tetrahedron Lett* 2: 131-132. Jan 1976

037299 385 T29
Structure of versiol, a new metabolite from Aspergillus versicolor [Fungi]. Fukuyama, K; Tsukihara, T; Katsube, Y *Tetrahedron Lett* 3: 189-190. Jan 1976

037300 385 T29
The isolation and structure of 6"-bromoisoarboreol—the first bromine containing lignan [Gmelina arborea]. Anjaneyulu, A S R; Madhusudhana Rao, A; Kameswara Rao, V; Row, L R *Tetrahedron Lett* 52: 4697-4700. Dec 1975

037301 391.8 T66
Carcinogenic and neurotoxic components in the cycad Encephalartos altensteinii, Lehm. (Family Zamiaceae). Louw, W K A; Oelofsen, W *Toxicon* 13 (6): 447-452. Ref. Dec 1975

037302 QD415.A1B58
Accumulation, mobilization and turnover of glycogen in the blue-green bacterium Anacystis nidulans [Algae]. Lehmann, M; Wober, G *Trans Biochem Soc* 3 (6): 1074-1076. Ref. 1975

037303 QD415.A1B58
Alpha-glucose 1-phosphate, a precursor in the biosynthesis of maltose in higher plants [Gentiana lutea, spinach, Acer pseudoplatanus]. Schilling, N; Kandler, O *Trans Biochem Soc* 3 (6): 985-987. Ref. 1975

037304 QD415.A1B58
Cytochrome P-450 of higher plants: its relation to other systems and reactivity. Rich, P R *Trans Biochem Soc* 3 (6): 980-981. 1975

037305 QD415.A1B58
Glucose repression of the inducible catabolic pathway for pentitols in Rhodotorula gracilis [Fungi]. Hofer, M; Dahle, P; Kloppel, R *Trans Biochem Soc* 3 (6): 1083-1084. 1975

037306 QD415.A1B58
Induction of cytochrome P-450 in yeast [Saccharomyces cerevisiae] by phenobarbital. Wiseman, A; Lim, T K *Trans Biochem Soc* 3 (6): 974-977. Ref. 1975

037307 QD415.A1B58
Kinetic and biological properties of trehalose phosphate synthase from Neurospora crassa [Fungi]. Betz, R; Holldorf, A W *Trans Biochem Soc* 3 (6): 988-989. 1975

037308 QD415.A1B58
Metabolism of trehalose and pullulan during the growth cycle of Aureobasidium pullulans [Fungi]. Catley, B J; Kelly, P J *Trans Biochem Soc* 3 (6): 1079-1081. Ref. 1975

037309 QD415.A1B58
Protection of cytochrome P-450 by substrates against Tween-80-assisted thermal denaturation [Saccharomyces cerevisial]. Wiseman, A; Gondal, J A *Trans Biochem Soc* 9 (6): 977-980. 1975

037310 QD415.A1B58
Purification of methionine-accepting transfer ribonucleic acid from Scenesmus obliquus D3 [Algae]. Jones, D S; Jay, F T *Trans Biochem Soc* 3 (6): 909-910. 1975

037311 QD415.A1B58
Purines and their metabolism in plants. Brown, E G *Trans Biochem Soc* 3 (6): 1199-1202. Ref. 1975

037312 QD415.A1B58
Pyruvate dehydrogenase complex from brewer's yeast [Saccharomyces carlsbergensis]: regulation blythe carbon source. Ullrich, J; Wais, U *Trans Biochem Soc* 3 (6): 920-924. 1975

037313 QD415.A1B58
Restriction enzyme digests of the heavy nucleolar satellite deoxyribonucleic acid of Physarum polycephalum [Fungi]. Bradbury, E M; Matthews, H R; Molgaard, H V; Murray, K *Trans Biochem Soc* 3 (6): 1015-1017. 1975

037314 QD415.A1B58
The control of extracellular 1,3-beta-glucanase activity in the basidiomycete species QM806 [Fungi]. Friebe, B; Holldorf, A W *Trans Biochem Soc* 3 (6): 994-996. 1975

037315 QD415.A1B58
The histones of Euglena gracilis [Algae]. Jardine, N J; Leaver, J L *Trans Biochem Soc* 3 (6): 1012-1014. 1975

037316 451 B76
Breeding biology of Coprinus species in the section Lanatuli [Fungi]. Kemp, R F O *Trans Br Mycol Soc* 65 (3): 375-388. Ref. Dec 1975

451 B76
Cultural characteristics of Crumenula sororia [Stem canker, Pinus]. Hayes, A J; Ahmad, A M *Trans Br Mycol Soc* 65 (3): 403-412. Ref. Dec 1975

037317 451 B76
Histochemical study of the hyphae and the distribution of adenosine triphosphatase in Dendryphiella salina [Fungi]. Galpin, M F J; Jennings, D H *Trans Br Mycol Soc* 65 (3): 477-483. Ref. Dec 1975

037318 451 B76
Influence of various carbon souces and temperature on lipid composition of Rhizopus arrhizus [Fungi]. Gunasekaran, M; Weber, D J *Trans Br Mycol Soc* 65 (3): 539-545. Ref. Dec 1975

037319 451 B76
Non-dematiaceous mutant of Graphium putredinis [Fungi]. Fletcher, H J *Trans Br Mycol Soc* 65 (3): 487-488. Dec 1975

037320 451 B76
The effect of salinity on sexual and asexual sporulation of members of the Saprolegniaceae [Fungi]. Harrison, J L; Jones, E B G *Trans Br Mycol Soc* 65 (3): 389-394. Ref. Dec 1975

037321 QH573.T75
New criterion for estimating inhibition of initial plant growth induced with mutagens. (Rus) Mamalyga, V S *Tsitol Genet* 9 (6): 553-554. Eng. Sum. Nov/Dec 1975

037322 442.8 T78
Effect of far and near ultraviolet radiation on DNA content in Dunaliella salina Tood [Algae]. (Rus) TSolova, M I *TSitologiia* 17 (11): 1317-1322. Ref. Eng. Sum. Nov 1975

037323 442.8 T78
The thermostability of two types of protoplasmic streaming in Physarum polycephalum [Fungi] plasmodia. (Rus) Lomagin, A G *TSitologiia* 17 (11): 1273-1277. Ref. Eng. Sum. Nov 1975

037324 105.9 L65V
Turbidimetry and colorimetry in the sulfur content determination of plants compared with the gravimetry method [Hay, maize, Abies]. (Ger) Lemoch, I *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 89-96. Ref. Eng. Sum. 1975

037325 442.9 M854
Changes in lower layers of a forest phytocoenosis under the influence of a faint increase of light intensity. (Rus) Petrov, V V *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 50-57. Eng. Sum. May/June 1975

037326 442.9 M854
Seasonal dynamics of the mass of aboveground and underground organs of meadow steppe plants. (Rus) Hoang Tung, *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 58-63. Eng. Sum. May/June 1975

037327 442.9 M854
The development of [the blue-green alga] synechocystis aquatilis Sauv. in the presence of [the saprophytic bacteria] Pseudomonas putida Migula. (Rus) Fedorov, V D; Kirpichnikova, N A *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 74-78. Eng. Sum. May/June 1975

037328 442.9 M854
The effect of polyethylenimine on some fungi [Aspergillus, Chaetomium, Paecilomyces, Penicillium]. (Rus) Zlochevskaia, I V; Akimova, IU D; Galimova, L M; Bobkova, T S; Chekunova, L N *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 69-73. Eng. Sum. May/June 1975

037329 450 Z32
Growth and revolutive movement of shoots from Periploca graeca L. (Fre) Melin, D *Z Pflanzenphysiol* 76 (5): 384-379. Ref. Eng. Sum. 1975

037330 450 Z32
Photosynthesis in Giffordia mitchellae [Algae]. (Ger) Weidner, M; Nordhorn, G; Kremer, B P; Kuppers, U *Z Pflanzenphysiol* 76 (5): 423-443. Ref. 1975

037331 385 Z6
The life forms of Lycopodiaceae and some general aspects ofevolution and system plant life-forms. (Rus) Khokhiakov, A P *Zh Obshch Khim* 36 (6): 829-846. Ref. Eng. Sum. Nov/Dec 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FIELD CROPS

037332 19 AC8
Amino acid composition of opaque-2 [corn] kernels from different backgrounds. Ekpenyong, T E *Acta Agron (Budap)* 24 (3/4): 438-442. Ref. 1975

037333 19 AC8
Changes of glycolic acid oxidase and peroxidase activity in maize leaves during the vegetation period. Dezsi, L *Acta Agron (Budap)* 24 (3/4): 305-313. Ref. 1975

037334 19 AC8
Contribution of symbiosis to the nitrogen needs of soybean (Glycine max L. Merr.). Pal, U R; Saxena, M C *Acta Agron (Budap)* 24 (3/4): 430-437. 1975

037335 19 AC8
Effect of B-995 (N-dimethylamino succinamic acid) on growth, flowering and mineral accumulation of tobacco plants. Yadava, R B R *Acta Agron (Budap)* 24 (3/4): 403-410. Ref. 1975

037336 19 AC8
Effect of guanidino-methylated arginines on the growth of tobacco tissue cultures. Tyihak, E; Maroti, M; Vagujfalvi, D; Bajusz, S; Patthy, A *Acta Agron (Budap)* 24 (3/4): 315-323. Ref. 1975

037337 19 AC8
Leaf area and its components in spring barleys. Pollhamer, E *Acta Agron (Budap)* 34 (3/4): 392-399. Ref. 1975

037338 385 AG8B
Localization of gamma globulin in rice seed and changes in gamma globulin content during seed development and germination. Horikoshi, M; Morita, Y *Agric Biol Chem* 39 (12): 2309-2314. Ref. Dec 1975

037339 385 AG84
Effect of cycocel on growth, flowering and yield of Vicia faba L. [Broadbeans]. el-Fouly, M M; Abo-el Lel, G; el-Hindi, M H *Agrochimica* 19 (5): 374-379. Sept 1975

385 AG84
Effect of nitrogen on the uptake of seleniteselenium by excised barley roots. el Kobbia, T *Agrochimica* 19 (5): 380-387. Ref. Sept 1975

037340 385 AG84
Nitrogen metabolism of Raya (Brassica juncea Coss.) during germination under simulated drought. Dhindsa, K S; Gupta, S K; Pandya, R B *Agrochimica* 19 (5): 394-398. Ref. Sept 1975

037341 385 AG89
Copper [content] in [field] crops of the southern part of the Ukraine and its absorption from the soils. (Rus) Dobroliubskii, O K; Evstrat'eva, T M *Agrokhimiia* 8: 84-89. Aug 1975

037342 385 AG89
The dynamics of carotene formation in plants as related to the level of nitrogen nutrition and irrigation [of pasture grasses]. (Rus) Lesnikov, M F; Savitskaite, D V *Agrokhimiia* 8: 69-73. Ref. Aug 1975

037343 385 AG89
The effect of inorganic fertilizers on the intensity of transpiration in hemp. (Rus) Berzak, I A *Agrokhimiia* 8: 80-83. Aug 1975

037344 385 AG89
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of extraction of protein fractions from seeds of plants [Wheat, rye, buckwheat]. (Rus) Sokolov, O A; Semikhov, V F; Loboda, V M; Sosnovskaia, E V *Agrokhimiia* 8: 116-122. Ref. Aug 1975

037345 442.8 AN72
Growth and development of soybean cv. TK5 as affected by tropical daylenghts, day/night temperatures and nitrogen nutrition. Huxley, P A; Summerfield, R J; Hughes, A P *Ann Appl Biol* 82 (1): 117-133. Ref. Jan 1976

037346 QH541.5.D4A1
Effect of low moisture level on catalase activity in some [field] crop plants during juvenile phase. Vora, A B; Patel, H C; Vyas, A V; Patel, B R; Patel, J A *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 229-234. Ref. Sept 1975

037347 QH541.5.D4A1
Seed germination and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and plantgrowth hormones. Babu, V R; Kumar, S *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 221-228. Ref. Sept 1975

037348 450 AN7
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. Goswami, K K A; Audus, L J *Ann Bot* 40 (165): 49-64. Ref. Jan 1976

037349 450 AN7
Estimation of chlorophyll in tobacco leaves by direct photometry. Macnicol, P K; Dudzinski, M L; Condon, B N *Ann Bot* 40 (165): 143-152. Ref. Jan 1976

037350 450 AN7
Water deficit and inflorescence development in Zea mays L. [Maize]. Damptey, H B; Aspinall, D *Ann Bot* 40 (165): 23-35. Ref. Jan 1976

037351 16 M582
Influence of the chemical fertility of the soil and the ash content of durum wheat grown in northern Italy. (Ita) Paris, P; Gavazzi, C; Montali, P *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 350-387. Eng. Sum. Jan/Dec 1974 (Pub. 1975)

037352 105.4 P435
In vitro development of haploid embryos of Nicotiana tabacum cultivar Kentucky [Tobacco, tissue culture]. (Ita) Milletti, G *Ann Perugia Univ Fac Agrar* 29: 275-291. Ref. Eng. Sum. 1974

105.4 P435
Presence of carotenes and chemical composition determined and considered in some forage plants of Umbria [Nutritive value of feeds]. (Ita) Pollidori, P; Duranti, E *Ann Perugia Univ Fac Agrar* 29: 399-418. Ref. Eng. Sum. 1974

037353 105.4 P435
Results of trials with chlorcholine chloride (CCC) used on soft and hard wheat. (Ita) Bianchi, A A; Monotti, M *Ann Perugia Univ Fac Agrar* 29: 517-532. Eng. Sum. 1974

037354 QH345.A1P73
Certain carbohydrate-metabolism enzymes in the nodules of yellow lupine. Chermenskaya, I E; Petrova, A N *Appl Biochem Microbiol* 10 (2): 219-223. Ref. Mar/Apr 1974 Transl. 1975

037355 448.3 AP5
Production of cellulose microfibrils by Rhizobium [Infection of legumes]. Napoli, C; Dazzo, F; Hubbell, D *Appl Microbiol* 30 (1): 123-131. Ref. July 1975

037356 381 AR2
Cytoplasmic synthesis of soluble and mitochondrial malate dehydrogenase isozymes in maize. Yang, N S; Scandalios, J G *Arch Biochem Biophys* 171 (2): 575-585. Ref. Dec 1975

037357 381 AR2
Identification of the small subunit of ribulose 1,5-bisphosphate carboxylase as a product of wheat leaf cytoplasmic ribosomes. Roy, H; Patterson, R; Jagendorf, A T *Arch Biochem Biophys* 172 (1): 64-73. Ref. Jan 1976

037358 450 AU72
Growth and development of five [Australian] populations of Themeda australis in response to temperature. Groves, R H *Aust J Bot* 23 (6): 951-963. Ref. Dec 1975

037359 385 B523AE
Investigation of wheat protein disulfide reductase. Gorpinchenko, T V; Vakar, A B; Kretovich, V L *Biochemistry (N Y)* 40 (2, Pt. 1): 269-275. Ref. Mar/Apr 1975

037360 381 B522
Biochemical and cytological studies of mitochondrial development in chloramphenicol-induced rice coleoptiles. Vartapetian, B B; Maslov, A I; Andreeva, I N *Biochim Biophys Acta* 411 (2): 357-368. Ref. Dec 5, 1975

037361 381 B522
Effect of ricin on biosynthesis of myeloma protein (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 cells [Castorbeans]. Ko, T S; Kaji, A *Biochim Biophys Acta* 414 (2): 155-160. Ref. Dec 4, 1975

037362 381 B522
Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii [Mung beans, red clover]. Tshitenge, G; Luyindula, N; Lurquin, P F; Ledoux, L *Biochim Biophys Acta* 414 (3): 357-361. Dec 19, 1975

037363 381 B522
Purificaton and characterization of RNA polymerase I from a higher plant [Soybeans]. Guilfoyle, T J; Lin, C Y; Chen, Y M; Key, J L *Biochim Biophys Acta* 418 (3): 344-357. Ref. Feb 5, 1976

037364 381 B522
The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. Brantner, J H; Dure, L S III *Biochim Biophys Acta* 414 (2): 99-114. Ref. Dec 4, 1975

037365 381 B522
The structure, physical and chemical properties of the soybean protein glycinin. Badley, R A; Atkinson, D; Hauser, H; Oldani, D; Green, J P; Stubbs, J M *Biochim Biophys Acta* 412 (2): 214-228. Ref. Dec 15, 1975

037366 450 B52
A kinetic study of phosphorus absorption by excised maize roots from flowing solutions with different phosphorus concentrations. Cizkova-Macurkova, R; Lastuvka, Z *Biol Plant* 17 (6): 385-391. Ref. 1975

037367 450 B52
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and water vapour efflux during leaf ontogenesis with the differences between the [tobacco] leaves according to their descending insertion level. Vaclavik, J *Biol Plant* 17 (6): 411-415. Ref. 1975

037368 450 B52
Free nucleotides in the primary root of maize. Finocchiaro, V; Kolek, J *Biol Plant* 17 (6): 443-447. 1975

037369 450 B52
Glucose-6-phosphate dehydrogenase in tobacco callus strains differing in their growth and their requirement for auxin and cytokinin. Hadacova, V; Kaminek, M; Lustinec, J *Biol Plant* 17 (6): 448-451. 1975

037370 450 B52
The effect of simultaneous short term action of streptomycin and humate on plants [Wheat, barley, Crassula portulacea]. Lhotsky, S *Biol Plant* 17 (6): 475-480. Ref. 1975

037371 450 B52
The influence of humic acids on phytase activity isolated from wheat seeds. Pospisil, F; Hrubcova, M *Biol Plant* 17 (6): 468-474. Ref. 1975

037372 450 B52
Transpiration rate and intercellular diffusive resistance in the tobacco leaf. Slavik, B *Biol Plant* 17 (6): 400-404. 1975

037373 20 ER4
Effect of some aromatic amines of mitotic activity of meristematic cells of maize and bean roots. (Arm) Barsegian, G V; Mutafian, E M; Gukasian, M S *Biol Zh Arm* 28 (5): 78-81. Ref. May 1975

037374 TP570.B5
Histochemical investigation of acid phosphatases in aleurone cells of barley. Ory, R L; Christensen, F *BIOS* 6 (11): 373-377. Ref. Nov 1975

037375 451 R923
Peculiarities of diurnal and seasonal dynamics of transpiration intensity of meadow plants. (Rus) Alekseenko, L N *Bot Zh* 60 (12): 1740-1749. Ref. Dec 1975

037376 451 R923
The role of respiration in productivity of Trifolium pratense [red clover] grown in central regions of Komi ASSR. (Rus) Golovko, T K *Bot Zh* 60 (11): 1632-1638. Ref. Nov 1975

037377 451 R923
Transpiration intensity of meadow plants [in the Leningrad province]. (Rus) Alekseenko, L N *Bot Zh* 60 (10): 1456-1466. Ref. Oct 1975

037378 65.8 B73
Action of growth substances on the initial development of sugarcane [shoots] treated with hot water [Budding, rooting]. (Por) Castro, P R C; Sanguina, A; Vilela, E; Akiba, F; Sudo, S; Masuda, Y *Bras Acucar* 85 (5): 42-50. Ref. Eng. Sum. May 1975

037379 65.8 B73
Drought resistance of sugarcane varieties (Saccharum spp.). (Por) Brinholi, O; Godoy, O P *Bras Acucar* 86 (4): 65-71. Oct 1975

037380 22.5 M6932B
The effects of temperature and day length on the growth of dallisgrass (Paspalum dilatatum Poir.) and bahiagrass (Paspalum notatum Flugge.). (Jpn) Inosaka, M; Ito, K; Numaguchi, H; Misumi, M *Bull Fac Agric Univ Miyazaki* 22 (1): 21-29. Ref. Eng. Sum. Oct 1975

037381 470 C16C
Analysis of greening in virescent mutants of maize by in vivo spectrophotometry. Hopkins, W G; Hayden, D B; Walden, D B *Can J Bot* 53 (23): 2720-2724. Dec 1, 1975

037382 470 C16C
Day-length influence on reproductive development and tillering in 'Fergus' barley. Fairey, D T; Hunt, L A; Stoskopf, N C *Can J Bot* 53 (23): 2770-2775. Ref. Dec 1, 1975

037383 470 C16C
Effects of gibberellic acid on DNA synthesis and histology in the shoot apex of Helianthus annuus [sunflowers] during the transition to flowering. Langenauer, H D; Atsmon, D; Arzee, T *Can J Bot* 53 (22): 2650-2659. Ref. Nov 15, 1975

037384 470 C16C
Proline accumulation in flooded and wilted sunflower and the effects of benzyladenine and abscisic acid. Wample, R L; Bewley, J D *Can J Bot* 53 (23): 2893-2896. Ref. Dec 1, 1975

037385 QD241.K453
Isoflavones of the roots of Lupinus luteus [Lupine]. Laman, N A; Volynets, A P *Chem Nat Compd* 10 (2): 175-177. Mar/Apr 1974 (Transl. 1975)

037386 73.8 C82
Variations of the physiological and hormonal state of cotton bolls and their relations to subsequent release of abscission. (Fre) Cognee, M *Coton Fibres Trop* 30 (2): 195-221. (Continued) June 1975

037387 64.8 C883
Automated hydrolysis of nonreducing sugars and fructosans from plant tissue [Grasses]. Wolf, D D; Ellmore, T L *Crop Sci* 15 (6): 775-777. Nov/Dec 1975

037388 64.8 C883
Changes in leaf area and specific leaf weight of sugarbeet leaves during the growing season. Cole, D F *Crop Sci* 15 (6): 882-883. Nov/Dec 1975

037389 64.8 C883
In vitro cultures of maize endosperm—a model system for studying in vivo starch biosynthesis. Chu, L J C; Shannon, J C *Crop Sci* 15 (6): 814-819. Ref. Nov/Dec 1975

037390 64.8 C883
Influence of cotton genotypes on floral visits of honey bees [Apis mellifera]. Moffett, J O; Stith, L S; Burkhardt, C C; Shipman, C W *Crop Sci* 15 (6): 782-784. Nov/Dec 1975

037391 64.8 C883
Influence of osmotic potential on the growth and development of soybean tissue cultures. Kimball, S L; Beversdorf, W D; Bingham, E T *Crop Sci* 15 (6): 750-752. Ref. Nov/Dec 1975

037392 64.8 C883
Leaf conductance and leaf water status of sesame strains in hot, dry climates. Hall, A E; Yermanos, D M *Crop Sci* 15 (6): 789-793. Ref. Nov/Dec 1975

037393 64.8 C883
Plant height, protein percentage, and yield relationships in spring wheat. Pepe, J F; Heiner, R E *Crop Sci* 15 (6): 793-797. Ref. Nov/Dec 1975

037394 64.8 C883
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to soybean blossoms [Pollination, floral biology]. Erickson, E H *Crop Sci* 15 (6): 767-771. Ref. Nov/Dec 1975

QH573.C92
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. Logvinenko, V F; Shkvarnikov, P K *Cytol Genet* 8 (6): 25-28. Ref. 1974

037395 511 P444A
The activity and localization of alanine- and aspartate amino-transferases in plants with C4[carbon]-photosynthesis [Maize, proso, rye]. (Rus) Tishchenko, N N; Magomedov, I M *Dokl Akad Nauk SSSR* 225 (2): 463-465. Ref. 1975

037396 511 P444A
The biosynthesis of plastid membrane system proteins during the biogenesis of chloroplasts [Maize]. (Rus) Molchanov, M I; Trusova, V M *Dokl Akad Nauk SSSR* 224 (2): 479-482. Ref. 1975

037397 511 P444A
The disturbance of physiological gradient of flowering in the photoperiodically neutral species by means of ringing and biologically active substances [Tobacco]. (Rus) Chailakhian, M Kh; Khazhakian, Kh K *Dokl Akad Nauk SSSR* 225 (3): 729-732. 1975

037398 511 P444A
The effect of delta-aminolevulinic acid on the protochlorophyllide accumulation and chlorophyll formation in barley green leaves. (Rus) Shlyk, A A; Kostiuk, N N *Dokl Akad Nauk SSSR* 225 (4): 978-984. 1975

037399 511 P444A
The effect of phytohormones and inhibitors on the growth of pea and wheat dwarfs during presowing treatment of seeds. (Rus) Chailakhian, M Kh; Gudeova, M M; Khlopenkova, L P *Dokl Akad Nauk SSSR* 225 (5): 1217-1220. Ref. 1975

037400 511 P444A
The effect of protein synthesis inhibition by cycloheximide on the fractionation of chloroplast structural elements [Barley]. (Rus) Shlyk, A A; Paramonova, T K *Dokl Akad Nauk SSSR* 225 (5): 1221-1224. 1975

037401 511 P444A
The role of stem zones of different tiers in the flowering of plants of the photoperiodically neutral species [Tobacco]. (Rus) Chailakhian, M Kh; Khazhakian, Kh K *Dokl Akad Nauk SSSR* 224 (6): 1445-1448. 1975

037402 511 P444A
Two mechanisms of the light-dependent transport of proton in chloroplasts of plants [Maize, peas]. (Rus) IAsnikov, A A; Bershtein, B I; Volkova, N V; Vasilenok, L I; Volovlk, O I; Dubrovskaia, A A; Zaitseva, N A; Kanivets, N P; Mushketik, L S; Et Al *Dokl Akad Nauk SSSR* 224 (6): 1449-1452. Ref. 1975

037403 S13.B82
Effect of mineral fertilizer and of planting density on sunflower photosynthetic rate and net productivity. (Rus) Stanev, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 21-24. Ref. 1975

037404 S13.B82
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of Triticum and Aegilops. Giorgi, B; Mannino, P; Donini, B *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 85-90. Ref. 1975

037405 QD415.F4
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low temperature fluorescence spectra of chloroplasts and fragments [Maize]. Garab, G I; Chernisheva, S; Kiss, J G; Faludi-Daniel, A *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 140-143. Ref. Jan 15, 1976

037406 QD415.F4
Manganese stimulation of oxygen consumption in [spinach, maize] chloroplasts with dibromothymoquinone. Miles, C D *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 251-254. Ref. Jan 15, 1976

037407 QD415.F4
Tryptophanyl circular-dichroic band in soybean leghemoglobin. Sievers, G; Ellfolk, N *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 154-155. Ref. Jan 15, 1976

037408 QK1.F57
Investigations on the primary production of an Agrostis capillaris L. + Festuca fallax Thuill. association grass stand on the Vitosha mountain. (Bul) Kochev, Kh; Gorunova, D *Fitologiia* 1: 7-18. Ref. Eng. Sum. 1975

037409 QK1.F57
Investigations on the biology of seed germination of Agrostis capillaris L. and Festuca fallax Thuill. from grass coenoses on the Vitosha mountain. (Bul) Nikolov, V *Fitologiia* 1: 25-33. Ref. Eng. Sum. 1975

037410 QK1.F57
Modification of the radiation effect by different factors in ageing seeds of broadbeans (Vicia faba L.). (Bul) Drianovska, O; Nguyen Thuan, *Fitologiia* 1: 54-75. Ref. Eng. Sum. 1975

037411 QK1.F5
Activation of division and extension of tobacco tissue culture cells in the presence of 4-amino-3,5,6-trichloropicolinic acid. (Rus) Musiiaka, V K; Kalinin, F L *Fiziol Biokhim Kult Rast* 7 (5): 486-492. Ref. Eng. Sum. Sept/Oct 1975

037412 QK1.F5
Content of plastid pigments in winter wheat leaves in autumn-winter-spring period. (Rus) Kolbasina, E I *Fiziol Biokhim Kult Rast* 7 (5): 465-469. Ref. Eng. Sum. Sept/Oct 1975

037413 QK1.F5
Effect of temperature factor on sunflower growth and productivity in regulated environments. (Rus) Kliuka, V I; TSurkani, I N *Fiziol Biokhim Kult Rast* 7 (5): 493-496. Ref. Eng. Sum. Sept/Oct 1975

037414 QK1.F5
Effect of water deficit on deuterium intake and transport in winter wheat. (Rus) Tkachuk, E S; Slukhai, S I; Petrenko, N I; Kirnos, P S *Fiziol Biokhim Kult Rast* 7 (5): 459-464. Ref. Eng. Sum. Sept/Oct 1975

037415 QK1.F5
Estimation of method for determination of photophosphorylation activity in chloroplasts of cotton leaves. (Rus) Rakhmankulova, M E; Khodzhaev, A S *Fiziol Biokhim Kult Rast* 7 (5): 526-530. Ref. Eng. Sum. Sept/Oct 1975

037416 QK1.F5
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of cobalt micronutrient fertilizers [Barley chloroplasts]. (Rus) Lipskaia, G A *Fiziol Biokhim Kult Rast* 7 (5): 522-525. Ref. Eng. Sum. Sept/Oct 1975

037417 QK1.F5
Interrelation of water state and energy metabolism of winter wheat leaves. (Rus) Khisamutdinova, V I; Vasil'eva, I M; Kuz'mina, G G *Fiziol Biokhim Kult Rast* 7 (5): 481-485. Ref. Eng. Sum. Sept/Oct 1975

037418 QK1.F5
Phosphoric metabolism in winter wheat leaves depending on plant supply with phosphorus. (Rus) Volleidt, L P; Andreeva, N G *Fiziol Biokhim Kult Rast* 7 (5): 474-480. Ref. Eng. Sum. Sept/Oct 1975

037419 QK1.F5
Possibility of diagnosing resistance of grain legumes to low positive temperatures from physiological indexes. (Rus) Lakhanov, A P *Fiziol Biokhim Kult Rast* 7 (5): 517-521. Ref. Eng. Sum. Sept/Oct 1975

037420 450 F58
Absorption of strontium-90, potassium and calcium by oat plants from soil during ontogenesis. (Rus) Baranova, Z A; Frid, A S *Fiziol Rast (Mosk)* 22 (6): 1173-1176. Eng. Sum. Nov/Dec 1975

037421 450 F58
Activity of amino transferases in the roots of wheat varieties of different productivity. (Rus) Kirnos, S V; Alekhina, N D; Andreenko, S S *Fiziol Rast (Mosk)* 22 (6): 1145-1149. Ref. Eng. Sum. Nov/Dec 1975

037422 450 F58
Changes in the activity of some oxidases in different organs of rice during its ontogenesis. (Rus) IAkovlev, B V; Aleshin, E P; Molokov, L G *Fiziol Rast (Mosk)* 22 (6): 1218-1225. Ref. Eng. Sum. Nov/Dec 1975

037423 450 F58
Correlation between nitrogen-fixing activity of lupine nodules and the content of nitrogen compounds in them. (Rus) IAgodin, B A; Savich, M S; Il'iasova, V B; Grishina, L G *Fiziol Rast (Mosk)* 22 (6): 1195-1198. Ref. Eng. Sum. Nov/Dec 1975

037424 450 F58
Effect of gibberellin and kinetin on the rate of photophosphorylation in maize seedlings. (Rus) IAkushkina, N I; Pushkina, G P *Fiziol Rast (Mosk)* 22 (6): 1132-1137. Ref. Eng. Sum. Nov/Dec 1975

037425 450 F58
Effect of monovalent cations on transport of sugars in tissues of sugarbeets. (Rus) Vyskrebentseva, E I; Semenov, I L *Fiziol Rast (Mosk)* 22 (6): 1206-1212. Ref. Eng. Sum. Nov/Dec 1975

037426 450 F58
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. (Rus) Samiev, Kh S; Marfina, K G *Fiziol Rast (Mosk)* 22 (6): 1259-1264. Ref. Eng. Sum. Nov/Dec 1975

037427 450 F58
Incorporation of exogenous amino acids into metabolism of winter wheat at different temperatures of growth. (Rus) Babenko, V I; Makhnovskaia, M L *Fiziol Rast (Mosk)* 22 (6): 1245-1251. Ref. Eng. Sum. Nov/Dec 1975

037428 450 F58
Intercellular spaces of storing parenchyma studied by electron microscopy in Beta vulgaris [Sugarbeets]. (Rus) Paraonova, N V *Fiziol Rast (Mosk)* 22 (6): 1127-1131. Ref. Eng. Sum. Nov/Dec 1975

037429 450 F58
Metabolism of protein and nucleic acids during adaptation to various types of drought [Wheat]. (Rus) Kozhushko, N N; Udovenko, G V *Fiziol Rast (Mosk)* 22 (6): 1239-1244. Ref. Eng. Sum. Nov/Dec 1975

037430 450 F58
Participation of adenosine triphosphatases in the transport of intermediate products of photosynthesis between assimilating tissues of C-4 plants. (Rus) Karpilov, I US; Bil', K IA; Gukasian, I A *Fiziol Rast (Mosk)* 22 (6): 1113-1120. Ref. Eng. Sum. Nov/Dec 1975

037431 450 F58
Participation of different tiers of the root in supply of maize with phosphorus. (Rus) Kolev, V M; Zhelev, R I *Fiziol Rast (Mosk)* 22 (6): 1168-1172. Ref. Eng. Sum. Nov/Dec 1975

037432 450 F58
Spectra of protein synthesis in dividing and mature cells of maize root. (Rus) Ivanov, V N; Mazel', IU IA; Shkarin, B I *Fiziol Rast (Mosk)* 22 (6): 1150-1155. Ref. Eng. Sum. Nov/Dec 1975

037433 450 F58
The state of oxidative systems in the mitochondria of wheat roots under conditions of phosphorus deficiency. (Rus) Zaitseva, M G *Fiziol Rast (Mosk)* 22 (6): 1138-1144. Ref. Eng. Sum. Nov/Dec 1975

037434 450 F58
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of potassium nutrition [Field beans, sunflowers]. (Rus) Tumanov, I I; Trunova, T I; Zvereva, G N; Smirnova, N A *Fiziol Rast (Mosk)* 22 (6): 1232-1238. Eng. Sum. Nov/Dec 1975

037435 448.3 C332
Biological changes in the rhizosphere of wheat after foliar application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. Vrany, J *Folia Microbiol* 20 (5): 402-408. Ref. 1975

037436 450 G282
Callus formation and organogenesis of mature cotyledons of Linum usitatissimum L. variety szokijskij [flax] in vitro culture. Rybczynski, J j *Genet Pol* 16 (2): 161-166. Ref. 1975

037437 450 G282
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the seed protein fractions of the studied lupin species and varieties. Prus-Glowacki, W *Genet Pol* 16 (1): 37-46. 1975

037438 450 G282
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. II. Changes of protein fractions during germination and development of etiolated plants and grown in light. Prus-Glowacki, W *Genet Pol* 16 (1): 47-52. Ref. 1975

037439 450 G282
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and development of seedling. Prus-Glowacki, W *Genet Pol* 16 (2): 185-196. Ref. 1975

037440 340.8 ID5
Evaluation of evapotranspiration of rice by empirical methods. Rao, A V S; Vamadevan, V K; Asthana, D C; Nayak, B B *Idojaras* 79 (2): 121-123. Eng. Sum. Mar/Apr 1975

037441 QK882.G42
Fluorescence induction of normal and mutant maize seedlings. Karapetyan, N V; Klimov, V V; Lang, F; Krasnovskii, A A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 255-261. Ref. 1972 (Pub. 1975)

037442 QK882.G42
Hill reaction and delayed fluorescence in mutants of Gossypium hirsutum [Cotton]. Yakubova, M M; Rubin, A B; Khramova, G A; Matorin, D N *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 263-269. Ref. 1972 (Pub. 1975)

037443 QK882.G42
Localisation of carbon metabolism in two assimilation tissues of maize leaf. Karpilov, YU S; Avdeeva, T A; Persanov, V M *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 177-185. Ref. 1972 (Pub. 1975)

037444 QK882.G42
Mutants as objects for investigations on the function of chlorophylls [Barley]. Sagromsky, H *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 247-253. 1972 (Pub. 1975)

037445 QK882.G42
Photosynthesis, assimilation numbers, and photosynthate translocation in wheats of different stalk length. Tarchevskii, I A; Chikov, V I; Suleimanova, A Y; Ivanova, A P; Andriyanova, Y E *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 363-366. Ref. 1972 (Pub. 1975)

037446 QK882.G42
Photosynthetic CO2 [carbon dioxide] assimilation in maize and spinach leaves and chloroplasts. Gibbs, M; Latzko, E; Laber, L J; Hines, G *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 149-157. Ref. 1972 (Pub. 1975)

037447 QK882.G42
Photosynthetic adaptation in the autumnization process [Wheat]. Devay, M; Rajki, S *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 351-362. Ref. 1972 (Pub. 1975)

037448 QK882.G42
Pigment synthesis and photosynthetic activity in carotenoid deficient mutants of maize. Faludi-Daniel, A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 239-245. Ref. 1972 (Pub. 1975)

037449 QK882.G42
Regulatory action of blue light on the activity of carboxylating enzymes and enzymes of the glycolate pathway in broadbean and maize plants. Voskresenskaya, N P; Poyarkova, N M; Khodzhiev, A; Drozdova, I S *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 167-175. Ref. 1972 (Pub. 1975)

037450 SD645.P6
Influence of special ecological conditions on growth, metabolism, and potassium nutrition of tropical crops (as exemplified by the case of rice). Tanaka, A *In Potassium in Tropical Crops and Soils* P. 147-167. Map. Ref. 1974

037451 S471.I4S92
Greater utilisation of sunlight by crop plants for maximising yield [Rice, photosynthesis]. Das Gupta, D K *In Symp on Green Revolution* P. 167-172. 1974

442.8 IN2
Cytogenetic activity of dichlorvos [insecticide] in barley. Bhan, A K; Kaul, B L *Indian J Exp Biol* 13 (4): 403-405. Ref. July 1975

037452 442.8 IN2
Effect of cholesterol on growth & production of diosgenin, gitogenin, tigogenin & sterols in suspension cultures [Trigonella foenumgraecum]. Khanna, P; Jain, S C; Bansal, R *Indian J Exp Biol* 13 (2): 211-213. Ref. Mar 1975

037453 442.8 IN2
Effect of growth regulators on early fibre development in cotton. Singh, O; Singh, O S *Indian J Exp Biol* 13 (4): 411-412. July 1975

037454 442.8 IN2
Physiological studies in senescent leaves of sugarcane var. Co. 740. Nimbalkar, J D; Joshi, G V *Indian J Exp Biol* 13 (4): 384-386. Ref. July 1975

037455 442.8 IN2
Tissue cultures of maize, wheat, rice & sorghum. II. Growth & nutrition of callus cultures. Hendre, R R; Mascarenhas, A F; Pathak, M; Jagannathan, V *Indian J Exp Biol* 13 (2): 108-111. Ref. Mar 1975

037456 442.8 IN2
Tissue cultures of maize, wheat, rice & sorghum. III. Growth & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. Mascarenhas, A F; Hendre, R R; Pathak, M; Nadgir, A L; Jagannathan, V *Indian J Exp Biol* 13 (2): 112-115. Ref. Mar 1975

037457 442.8 IN2
Tissue cultures of maize, wheat, rice & sorghum. IV. Studies of organ differentiation in tissue cultures of maize, wheat & rice. Mascarenhas, A F; Pathak, M; Hendre, R R; Ghugale, D D; Jagannathan, V *Indian J Exp Biol* 13 (2): 116-119. Ref. Mar 1975

037458 442.8 IN2
Tissues cultures of maize, wheat, rice & sorghum. I. Initiation of viable callus & root cultures. Mascarenhas, A F; Pathak, M; Hendre, R R; Jagannathan, V *Indian J Exp Biol* 13 (2): 103-107. Ref. Mar 1975

037459 41.8 IN2
Variability in the chemical composition of grasses and its correlations with nutritive value index. Sood, D R; Luthra, Y P; Arora, S K; Ahuja, A K *Indian Vet J* 52 (9): 711-714. Ref. Sept 1975

037460 77.8 IN3
Study of the water requirements of sunflower. 3. (Fre) Rollier, M; Pierre, J G *Inf Tech Cent Tech Int Prof Ol Metrop* 46: 1-18. Sept/Oct 1975

037461 77.8 IN3
Study of the water requirements of sunflower. 2. (Fre) Rollier, M *Inf Tech (Paris)* 45: 1-39. Ref. July/Aug 1975

037462 16 IT1
Radiation stimulation of seeds [of field crops and vegetables]; results of five years of experimentation. (Ita) Clemente, G; Caldera, P G *Ital Agric* 112 (5): 103-115. Ref. May 1975

037463 442.8 M66
Quantitative and qualitative changes in proteins and amino acids in white lupine plants during growth and development. (Bel) Miranenka, A V; Rahul'chanka, I V; Mozhar, T A *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 23-27. 1975

037464 442.8 M66
Self depression of flax plants in early stages of development in mono-culture. (Bel) Harelik, I I; TSiarents'eu, V M; Koshaleva, L L *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 28-33. 1975

037465 442.8 M66
Study of malate dehydrogenase and glutamate dehydrogenase activity in maize radicles after treatment with gamma rays. (Bel) Valodzin, U H; Kipnis, A A; Zabian'kova, K I *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 34-37. 1975

037466 381 J8223
Amino acid composition of isogenic lines in barley. Pomeranz, Y; Robbins, G S *J Agric Food Chem* 24 (1): 196-198. Jan/Feb 1976

037467 10 J822
Effect of sodium on the growth of and ion uptake by barley, sugarbeet and broadbeans. Hamid, A; Talibudeen, O *J Agric Sci (Camb)* 86 (1): 49-56. Feb 1976

037468 10 J822
Effects of B-9 (N-dimethyl-aminosuccinamic acid) on growth and yield of peanuts (Arachis hypogaea L.). Hammerton, J L *J Agric Sci (Camb)* 86 (1): 211-218. Feb 1976

037469 10 J822
Natural cross pollination in Egyptian cotton (Gossypium barbadense L.). Elfawal, M A; Bishr, M A; Hassoub, E K *J Agric Sci (Camb)* 86 (1): 205-209. Ref. Feb 1976

037470 10 J822
Nitrogen and dry-matter accumulation in high lysine and normal varieties of barley. Rhodes, A P; Jenkins, G *J Agric Sci (Camb)* 86 (1): 57-64. Feb 1976

037471 410 J828
Physiological differences among populations of Anthoxanthumodoratum L. collected from the Park Grass Experiment, Rothamsted. IV. Response to potassium and magnesium. Davies, M S *J Appl Ecol* 12 (3): 953-964. Ref. Dec 1975

037472 410 J828
Studies on the nitrate nutrition of two indigenous Rhodesian grasses [Hyparrhenia filipendula, Sporobolus pyramidalis]. Bate, G C; Heelas, B V *J Appl Ecol* 12 (3): 941-952. Dec 1975

410 J828
The pollinating efficiency of honeybee and bumblebee visits to field bean flowers (Vicia faba L.). Kendall, D A; Smith, B D *J Appl Ecol* 12 (3): 709-717. Ref. Dec 1975

037473 385 J822
Photoaffinity labeling of concanavalin A [from jackbeans]: preparation of a concanavalin A derivative with reduced valence. Beppu, M; Terrao, T; Osawa, T *J Biochem (Tokyo)* 78 (5): 1013-1019. Ref. Nov 1975

037474 QH301.J6
Mitotic activity in rice seedlings germinating under oxygen deficiency. Kordan, H A *J Cell Sci* 20 (1): 57-59. Ref. Jan 1976

037475 450 J829
A test of a modified line intersect method of estimating root length [in wheat]. Tennant, D *J Ecol* 63 (3): 995-1001. Nov 1975

037476 450 J8224
Changes in abscisic acid levels in developing grains of wheat (Triticum aestivum L.). McWha, J A *J Exp Bot* 26 (95): 823-827. Ref. Dec 1975

037477 450 J8224
Characterization of the phytochrome-containing particles obtained by glutaraldehyde pre-fixation of maize coleoptiles. Yu, R *J Exp Bot* 26 (95): 808-822. Ref. Dec 1975

037478 450 J8224
Development of glycolytic and mitochondrial activities in the early phase of germination of Phaseolus mungo seeds [Mungo beans]. Morohashi, Y; Shimokoriyama, M *J Exp Bot* 26 (95): 932-938. Ref. Dec 1975

037479 450 J8224
Further studies on glucose catabolism in the early phases of germination of Phaseolus mungo seeds [Mungo beans]. Morohashi, Y; Shimokoriyama, M *J Exp Bot* 26 (95): 927-931. Ref. Dec 1975

037480 450 J8224
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. Waldman, M; Rikin, A; Dovrat, A; Richmond, A E *J Exp Bot* 26 (95): 853-859. Ref. Dec 1975

037481 442.8 J8224
Stability and specificity of protein-protein interactions: the case of the trypsin-trypsin inhibitor complexes [Soybeans]. Janin, J; Chothia, C *J Mol Biol* 100 (2): 197-211. Ref. Jan 15, 1976

037482 396.9 P49
Studies on the constituents of flowers. V. On the components of flower of [Kudzu] Pueraria thunbergiana Benth. 2. Isolation of a new isoflavone glycoside. (Jpn) Kurihara, T; Kikuchi, M *J Pharm Soc Jap* 95 (11): 1283-1285. Ref. Eng. Sum. Nov 1975

037483 442.9 J27
Unscheduled DNA synthesis induced in barley seeds by gamma rays and 4-nitroquinoline 1-oxide. Yamaguchi, H; Tatara, A; Naito, T *Jap J Genet* 50 (4): 307-318. Ref. Aug 1975

037484 23 N4892
Interaction of lime and seed pelleting on the nodulation and growth of white clover. II. Oversown trials. Lowther, W L *N Z J Agric Res* 18 (4): 357-360. Nov 1975

037485 23 N4892
Levels of water-soluble carbohydrate in the pre-anthesis ear of wheat, and grain set per spikelet. Dougherty, C T; Rooney, K R; Scott, W R; Langer, R H M *N Z J Agric Res* 18 (4): 351-356. Ref. Nov 1975

037486 514 N482
Grain development and amylase activities in rye and triticale compared with wheat. Jenkins, L D; Meredith, P *N Z J Sci* 18 (2): 189-194. June 1975

037487 69.8 N48
Sucker control: a review of experimental work 1966-1974 [Tobacco growth inhibitors]. James, R W *N Z Tob Grow J* P. 14-15. Aug 1975

037488 69.8 N48
Tobacco sucker control in New Zealand using spray-applied chemical control agents. Hodge, B M *N Z Tob Grow J* P. L6-2l. Aug 1975

037489 12 N3892
An explosion of leaf growth after stress conditions [Maize]. Kleinendorst, A *Neth J Agric Sci* 23 (2): 139-144. Ref. 1975

037490 SB215.C4
Photosynthesis of sugarcane. (Fre) Bonhomme, R; Varlet Grancher, C; Artis, P *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (2): 4-7. Apr/June 1974

037491 64.8 N76
Data on the flowering biology of male sterile wheat. II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. (Hun) Csaszar, J; Rajki, E *Novenytermeles* 24 (3): 193-199. Ref. Sept 1975

037492 64.8 N76
Effect of site on nutrient uptake and utilization in sunflower. (Hun) Marton, A; Abdul-Hussein, H; al-Nawas, A *Novenytermeles* 24 (3): 243-248. Eng. Sum. Sept 1975

037493 64.8 N76
Investigations into the ripening of wheat affected of various amounts of nitrogen fertilizer. (Hun) Kismanyoky, T *Novenytermeles* 24 (3): 201-207. Eng. Sum. Sept 1975

037494 450 N99
Effect of grazing in alpine vegetation on Hardangervidda, South Norway. Lye, K A; Lauritzen, E M *Nytt Mag Bot* 22 (1): 7-13. Ref. 1975

037495 QK901.A1O3
Study of supplementary lighting in greenhouses. Ecophysiological aspects of flax growth under different light conditions. (Fre) Boyer, Y; Parcevaux, S de; Guillaume, E *Oecol Plant* 10 (3): 251-266. Ref. Eng. Sum. 1975

037496 10 OU8
Bolting of sugarbeet grown in England. Longden, P C; Scott, R K; Tyldesley, J B *Outlook Agric* 8 (4): 188-193. Maps. Ref. 1975

037497 64.9 IN7
Activity of copper-proteid oxidases as an indicator of copper supply in plants [Oats, rape]. (Pol) Ruszkowska, M; Lyszcz, S *Pamiet Pulawski* 62: 251-263. Ref. Eng. Sum. 1975

037498 64.9 IN7
Changes in the content and composition of carbohydrates in spring wheat caused by the nitrogen fertilization. (Pol) Slusarczyk, M *Pamiet Pulawski* 62: 69-85. Ref. Eng. Sum. 1975

037499 64.9 IN7
Changes in the composition of nitrogen fractions in the ripening grain of cereals. (Pol) Aniol, A; Rudnicka, A *Pamiet Pulawski* 62: 87-98. 1975

037500 64.9 IN7
Content and chemical composition of saponins in three local varieties of hybrid alfalfa (Medicago media Pers.). (Pol) Jurzysta, M *Pamiet Pulawski* 62: 99-107. Ref. Eng. Sum. 1975

037501 64.9 IN7
Contribution to the explanation of the biogenesis of cyanogenic glucosides [in trefoil and flax]. (Pol) Blaim, H *Pamiet Pulawski* 62: 149-158. Ref. Eng. Sum. 1975

64.9 IN7
Densitometric method of determination of nicotine, nornicotine and anabasine in tobacco. (Pol) Jurzysta, A *Pamiet Pulawski* 62: L59-165. Ref. Eng. Sum. 1975

037502 64.9 IN7
Effect of boron on the content of skeletal substances in the culms of spring wheat. (Pol) Slusarczyk, M *Pamiet Pulawski* 62: 197-205. Ref. Eng. Sum. 1975

037503 64.9 IN7
Influence of chlorocholine chloride (CCC) on the growth, development and productivity of oats in the second seed generation; report. (Pol) Krol, M; Blaim, K; Machul, M *Pamiet Pulawski* 62: 39-49. Ref. Eng. Sum. 1975

64.9 IN7
Influence of some herbicides on the content and composition of nitrogen fractions in grain of several wheat varieties; report. (Pol) Aniol, A *Pamiet Pulawski* 62: 167-172. Eng. Sum. 1975

037504 64.9 IN7
Preliminary investigations on the possitility of applying a rapid isotopic method for comparing the intensity of photosynthesis in the alfalfa leaves. (Pol) Zinkiewicz, E; Skiba, T; Burszewska-Samiec, H *Pamiet Pulawski* 62: 7-22. Ref. Eng. Sum. 1975

037505 64.9 IN7
The activity of alpha-amylase in the ripening grain of different rye varieties as affected by some environmental factors. (Pol) Aniol, A *Pamiet Pulawski* 62: 109-119. Ref. 1975

64.9 IN7
The effect of boron on the yield and chemical composion of tobacco vegetative matter. (Pol) Oczos, A *Pamiet Pulawski* 62: 207-227. Ref. Eng. Sum. 1975

037506 64.9 IN7
The influence of chlorocholine chloride on the photosynthetic activity and the transfer of assimilates to the rye roots. (Pol) Wojcieska, U; Wolska, E *Pamiet Pulawski* 62: 23-37. Ref. Eng. Sum. 1975

037507 64.9 IN7
The influence of nitrogen, phosphorus, potassium, and copper doses on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. (Pol) Ruszkowska, M; Lyszcz, S *Pamiet Pulawski* 62: 229-250. Ref. Eng. Sum. 1975

037508 64.9 IN7
The occurrence of cyanogenic glucosides in the cultivated plants [Field crops]. (Pol) Blaim, H *Pamiet Pulawski* 62: 121-130. Ref. Eng. Sum. 1975

037509 64.9 IN7
The translocation of assimilates produced in different ograns of cereals crops at various stages of growth and development. (Pol) Wojcieska, U; Szczypa, E *Pamiet Pulawski* 62: 51-67. Ref. Eng. Sum. 1975

037510 64.9 IN7
The variations in the content of cyanogenic glucosides in ontogenesis of bird'sfoot trefoil (Lotus corniculatus L.). (Pol) Blaim, H *Pamiet Pulawski* 62: 131-139. Ref. Eng. Sum. 1975

037511 64.9 IN7
Varietal and topographic variability of cyanogenic glucoside occurrence in bird's-foot trefoil (Lotus corniculatus L.). (Pol) Blaim, H *Pamiet Pulawski* 62: 141-147. Eng. Sum. 1975

037512 450 P5622
Effect of darkness on isoperoxidases in tobacco tissue cultures. Leu, S L K; Wender, S H; Smith, E C *Phytochemistry* 14 (12): 2551-2554. Dec 1975

037513 450 P5622
Nicotine n-oxides [in tobacco, Nicotiana affinis and Nicotiana sylvestris]. Phillipson, J D; Handa, S S *Phytochemistry* 14 (12): 2683-2690. Ref. Dec 1975

037514 450 P5622
Partial purification and characterization of the lipoxygenase from grains of Hordeum distichum [Barley]. Yabuuchi, S; Amaha, M *Phytochemistry* 14 (12): 2569-2572. Ref. Dec 1975

037515 450 P5622
Synthesis and cytokinin activity of N-acylaminodeazapurines[Tests with tobacco pith callus]. Sugiyama, T; Kitamura, E; Kubokawa, S; Kobayashi, S; Hashizume, T *Phytochemistry* 14 (12): 2539-2543. Ref. Dec 1975

037516 450 P5622
The extraction and analysis of wheat phospholipids. Colborne, A J; Laidman, D L *Phytochemistry* 14 (12): 2639-2645. Ref. Dec 1975

037517 450 P5622
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a new alkaloid in Lupinus [luteus, yellow lupine] seedlings]. Murakoshi, I; Sugimoto, K; Haginiwa, J; Ohmiya, S; Otomasu, H *Phytochemistry* 14 (12): 2714-2715. Ref. Dec 1975

037518 450 P692
Analysis of steady state photosynthesis in alfalfa leaves. Platt, S G; Plaut, Z; Bassham, J A *Plant Physiol* 57 (1): 69-73. Ref. Jan 1976

037519 450 P692
Attempts to detect cyclic adenosine 3':5'-monophosphate in higher plants by three assay methods [Oats, tobacco, potatoes, lettuce]. Bressan, R A; Vandepeute, J *Plant Physiol* 57 (1): 29-37. Ref. Jan 1976

037520 450 P692
Effects of water stress on the ultrastructure of leaf cells of Sorghum bicolor. Giles, K L; Cohen, D; Beardsell, M F *Plant Physiol* 57 (1): 11-14. Jan 1976

037521 450 P692
Influence of ionic strength, pH [hydrogen-ion concentration], and chelation of divalent metals on isolation of polyribosomes from tobacco leaves. Jackson, A O; Larkins, B A *Plant Physiol* 57 (1): 5-10. Ref. Jan 1976

037522 450 P692
Isolation of plasma membranes from corn roots by sucrose density gradient centrifugation: an anomalous effect of Ficoll. Leonard, R T; VanDerWoude, W J *Plant Physiol* 57 (1): 105-114. Ref. Jan 1976

037523 450 P692
Manipulation of galactolipid fatty acid composition [of wheat] with substituted pyridazinones. St John, J B *Plant Physiol* 57 (1): 38-40. Ref. Jan 1976

037524 450 P692
Nitrate absorption by barley. I. Kinetics and energetics. Rao, K P; Rains, D W *Plant Physiol* 57 (1): 55-58. Ref. Jan 1976

037525 450 P692
Nitrate absorption by barley. II. Influence of nitrate reductase activity. Rao, K P; Rains, D W *Plant Physiol* 57 (1): 59-62. Ref. Jan 1976

037526 450 P692
Rapid metabolic changes in the wounding response of leaf discs [of tobacco] following excision. Macnicol, P K *Plant Physiol* 57 (1): 80-84. Ref. Jan 1976

037527 450 P692
Stimulation of ethylene production in the mung bean hypocotyls by cupric ion, calcium ion, and kinetin. Lau, O L; Yang, S F *Plant Physiol* 57 (1): 88-92. Ref. Jan 1976

037528 450 P693
Auxin-induced hydrogen ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and water stress [Oats]. Cleland, R E *Planta* 127 (3): 233-242. Ref. 1975

037529 450 P693
Effect of aeration on the flood-induced formation of adventitious roots and other changes in sunflower (Helianthus annuus L.). Wample, R L; Reid, D M *Planta* 127 (3): 263-270. Ref. 1975

037530 450 P693
Selectivity in xylem to phloem transfer of amino acids in fruiting shoots of white lupin (Lupinus albus L.). Sharkey, P J; Pate, J S *Planta* 127 (3): 251-262. 1975

037531 S590.P6
Amino acid composition in soybeans, depending on fertilizer application. (Bul) Stanilova, D; Bozova, L *Pochvozn Agrokhim* 10 (5): 115-121. Eng. Sum. 1975

037532 S590.P6
Effect of iron, manganese, zinc and other nutrients on maize plants in pot experiments with calcareous Chernozem. (Bul) Palaveev, T; Patarinski, N; Ikonomova, E; Barov, V; TSolova, M; Georgieva, M; Simeonova, TS *Pochvozn Agrokhim* 10 (5): 122-131. Eng. Sum. 1975

037533 19.5 P752
Chemical forms of calcium in relation to the growth of young plants of maize. (Slo) Ivanicka, J *Pol'nohospodarstvo* 21 (7): 524-531. Ref. Eng. Sum. 1975

037534 20.5 P84
Chemical composition of cereal haulm and its significance in resistance to lodging. (Pol) Przeszlakowska, M *Postepy Nauk Roln* 22 (2): 41-55. Ref. 1975

037535 385 P93
Changes in the activity of enzymes involved in the endosperm dissolution during barley germination. (Rus) Poliakov, V A; Ugriumova, V N; Pekhtereva, N T; Veselov, I IA *Prikl Biokhim Mikrobiol* 11 (5): 752-756. Eng. Sum. Sept/Oct 1975

037536 385 P93
Dehydrogenases of rice seeds with varying germination rate. (Rus) Morgunova, E A; Krasnook, N P; Povarova, R I; Vishniakova, I A *Prikl Biokhim Mikrobiol* 11 (5): 760-764. Ref. Eng. Sum. Sept/Oct 1975

037537 385 P93
Properties of acid proteinase of barley. (Rus) Popov, M P; Karpilenko, G P *Prikl Biokhim Mikrobiol* 11 (5): 757-759. Eng. Sum. Sept/Oct 1975

037538 385 P93
Vitamin biosynthesis by germinating [wheat] seeds at low temperature and in overmoistened soil. (Rus) Sal'nikov, A I *Prikl Biokhim Mikrobiol* 11 (6): 885-887. Eng. Sum. Nov/Dec 1975

037539 22.5 C88
Effects of combinations of different day-length conditions during the growth of flax plants (Linum usitatissium L.) on their growth and development. II. Effects of transfer from short day to natural long day. (Jpn) Yanagisawa, Y *Proc Crop Sci Soc Jap* 44 (4): 375-381. Eng. Sum. Dec 1975

037540 22.5 C88
Effects of daylength, temperature and nitrogen level on the heading of rice plants under the controlled environments. (Jpn) Hosoi, N *Proc Crop Sci Soc Jap* 44 (4): 382-388. Ref. Eng. Sum. Dec 1975

037541 22.5 C88
Effects of the amount of nitrogen absorbed up to the stage of 90 in leaf number index on the morphological characteristics, the degree of lodging and the yield components in rice plants. (Jpn) Matsuzaki, A *Proc Crop Sci Soc Jap* 44 (4): 458-464. Ref. Eng. Sum. Dec 1975

037542 22.5 C88
Emergence and organ elongation of seedling of paddy rice sown under upland field condition as affected by specific gravity and weight of seed. (Jpn) Ueyama, Y *Proc Crop Sci Soc Jap* 44 (4): 414-418. Ref. Eng. Sum. Dec 1975

037543 22.5 C88
On the development of the crown root primordia in rice plants. (Jpn) Kawata, S; Harada, J *Proc Crop Sci Soc Jap* 44 (4): 438-457. Ref. Eng. Sum. Dec 1975

037544 22.5 C88
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, corn and sorghum plant. (Jpn) Sato, T; Tsuno, Y *Proc Crop Sci Soc Jap* 44 (4): 389-396. Ref. Eng. Sum. Dec 1975

037545 22.5 C88
The growth inhibitors in sugarbeet seed balls. II. Isolation of potassium nitrate as the germination inhibitor and hypocotyl stimulating substance. Inoue, K; Yamaoto, R *Proc Crop Sci Soc Jap* 44 (4): 465-470. Ref. Dec 1975

037546 22.5 C88
Transformation factor from carbon dioxide net assimilation to dry weight in crops. II. Peanut. Watanabe, I *Proc Crop Sci Soc Jap* 44 (4): 403-408. Dec 1975

037547 22.5 C88
Transformation factor from carbon dioxide net assimilation to dry weight in crops. III. Rice. Watanabe, I *Proc Crop Sci Soc Jap* 44 (4): 409-413. Dec 1975

037548 501 L84B
The purification and properties of glutamine-dependent asparagine synthetase isolated from Lupinus albus [Lupine]. Lea, P J; Fowden, L *Proc R Soc Lond, B Biol Sci* 192 (1106): 13-26. Ref. Dec 31, 1975

56.9 SO3
Soil potassium relationships as indicated by solution equilibrations and plant uptake [Maize]. Munn, D A; McLean, E O *Proc Soil Sci Soc Am* 39 (6): 1072-1076. Ref. Nov/Dec 1975

037549 381 IN25
Isolation of perloline, the yellow alkaloid of tall fescue [Festuca arundinacea]. Yates, S G; Rogovin, S P; Bush, L P; Buckner, R C; Boling, J A *Prod R D* 14 (4): 315-319. Ref. Dec 1975

64.8 M41
Yield and protein content of wheat varieties (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. Patil, V A; Kale, V R *Qual Plant Plant Foods Human Nutr* 25 (2): 187-192. Ref. Dec 29, 1975

037550 442.8 R11
Action of gamma-radiation on the nucleotide composition of tRNA of cotton. (Rus) Karakuziev, T U *Radiobiologiia* 15 (5): 725-726. Eng. Sum. Sept/Oct 1975

037551 64.8 R18
Barley organogenesis under south Bulgarian conditions. (Bul) Vulchanov, P *Rastenievud Nauk* 12 (6): 20-25. Ref. Eng. Sum. 1975

037552 64.8 R18
Influence of some microelements and phytohormones in the photosynthesis intensity and yield of malting barley. (Bul) Radnev, R; Mashev, N; Vasilev, G *Rastenievud Nauk* 12 (7): 3-9. Ref. Eng. Sum. 1975

037553 64.8 R18
Injury and size of barley seed as affecting its biological activity. (Bul) Zaprianov, S; Popova, Z *Rastenievud Nauk* 12 (6): 41-48. Eng. Sum. 1975

64.8 R18
Methods of irrigation and water regime of lucerne as affecting its morphological structure and root system. (Bul) Boikov, S *Rastenievud Nauk* 12 (7): 84-92. Ref. Eng. Sum. 1975

037554 64.8 R18
Phenological variations and seasonal rhythmics of some forage herbs. (Bul) Radkov, D P *Rastenievud Nauk* 12 (6): 117-125. Ref. Eng. Sum. 1975

037555 64.8 R18
Study on the dynamics of blooming and pollen productivity in soft wheat. (Bul) Nikolova, N S *Rastenievud Nauk* 12 (6): 9-19. Ref. Eng. Sum. 1975

037556 100 IO9
Growing-degree units for corn in the North Central Region. Shaw, R H; Iowa Agriculture and Home Economics Experiment Station *Res Bull Agric Home Econ Exp Stn Iowa State Univ Sci Tech* 581: 793-808. Maps. Ref. Dec 1975

037557 SB117.S455
Effect of degree of sprouting in winter wheat and rye on seed quality and harvest yields. (Ger) Bartz, J; Stroinski, A; Tucholska, H *Seed Sci Technol* 3 (3/4): 851-862. Ref. Eng. Sum. 1975

037558 SB117.S455
Laboratory measures of field emergence potential in barley. Matthews, S; Collins, M T *Seed Sci Technol* 3 (3/4): 863-870. 1975

037559 SB117.S455
Phenol reaction of Kentucky bluegrass (Poa pratensis) seeds. Niemyski, K; Grzelak, K *Seed Sci Technol* 3 (3/4): 619-623. 1975

037560 SB117.S455
Storage of Medicago sativa—results obtained from a test under controlled conditions of temperature and humidity [Alfalfa, germination]. (Fre) Renard, H A *Seed Sci Technol* 3 (3/4): 775-786. Eng. Sum. 1975

037561 SB117.S455
The effect of GA3 [gibberellic acid] on the globulins of winter wheat grain during vernalisation. Kulka, K; Rejowski, A *Seed Sci Technol* 3 (3/4): 827-835. Ref. 1975

037562 SB117.S455
The effect of GA3 [gibberellic acid] on the germination of ageing lupin seeds. Mierzwinska, T *Seed Sci Technol* 3 (3/4): 843-849. Ref. 1975

037563 SB117.S455
Vitality test on aleurone cells of the endosperm of Zea mays (aleurone-tetrazolium test) [Corn]. (Ger) Kietreiber, M *Seed Sci Technol* 3 (3/4): 803-809. Ref. Eng. Sum. 1975

037564 SB117.S455
Weather conditions before maturity and dormancy in wheat in relation to prediction of sprouting. (Ger) Grahl, A; Schrodter, H *Seed Sci Technol* 3 (3/4): 815-826. Ref. Eng. Sum. 1975

037565 SB117.S455
X-ray contrast method for seed viability determination of cereals and millets. Verma, M M; Verma, K; Singh, A *Seed Sci Technol* 3 (3/4): 797-802. 1975

037566 S13.S44
Change of the proportion of phosphororganic compounds in Tashkent 2 cotton variety as affected by moisture deficit. (Rus) Samiev, Kh S; Marfina, K G *S-kh Biol* 10 (4): 620-622. July/Aug 1975

037567 S13.S44
Comparative biochemical study of maize and its wild relatives (Enchlaena, Tripsacum, Coix). (Rus) Rotar', A I; Borovskii, M I; Pashkar', S I *S-kh Biol* 10 (4): 522-528. Ref. Eng. Sum. July/Aug 1975

037568 S13.S44
Content of growth substances in wheat leaves in ontogenesis. (Rus) Lebedeva, N I *S-kh Biol* 10 (1): 32-37. Ref. Eng. Sum. Jan/-Feb 1975

037569 S13.S44
Content of phoshorus of nuclei acids and the intensity of respiration in leaves and roots of wheat as affected by water deficit. (Rus) Rychkova, T A *S-kh Biol* 10 (4): 529-532. Ref. Eng. Sum. July/Aug 1975

037570 S13.S44
Correlation between the weight of root and sugar content in di- and tetraploid variety line sugarbeet hybrids. (Rus) Denisova, E V; Maletskii, S I; Biiashev, G Z; Ushkempirov, A M *S-kh Biol* 10 (3): 447-449. May/June 1975

037571 S13.S44
Dynamics of the formation and fall of fruit elements in different cotton varieties and forms. (Rus) Imamaliev, A I; Pak, V M *S-kh Biol* 10 (2): 225-229. Ref. Eng. Sum. Mar-/Apr 1975

037572 S13.S44
Evaluation of lysine content in [barley and wheat] breeding material by the colorimetric method. (Rus) Gamzikova, O I; Zenchenko, V F; Bashkirova, G V *S-kh Biol* 10 (4): 599-600. Eng. Sum. July/Aug 1975

037573 S13.S44
Functional activity of the photosynthetic apparatus in the ontogenesis of sunflower plants. (Rus) Bystrykh, E E; Matorin, D N *S-kh Biol* 10 (2): 230-236. Ref. Eng. Sum. Mar/Apr 1975

037574 S13.S44
Prospects of the use of the fluorescent spectroscopy method to evaluate the potential productivity of wheat varieties. (Rus) Nikolaeva, L F; Rubin, B A; Florova, N B *S-kh Biol* 10 (3): 343-347. Ref. Eng. Sum. May/June 1975

037575 S13.S44
Reaction of soybean plants to the overmoistening of soil. (Rus) Kosmakova, V E; Skirpchenko, A F; Prozumenshchikova, L T; Nikonova, N S; Beliavskaia, E A; Evereva, E G *S-kh Biol* 10 (3): 359-363. Ref. Eng. Sum. May/June 1975

037576 S13.S44
Structural organization and the pigment fund of the plastid apparatus of the unit of the leaf surface area and the productivity of flax under different conditions of zinc and copper nutrition. (Rus) Porokhnevich, N V *S-kh Biol* 10 (4): 511-517. Ref. Eng. Sum. July/Aug 1975

037577 511 AK146
The influence of various forms of nitrogen and bacterization on the growth and development of soybean under sterile pot experiment conditions. (Geo) Zhgenti, M P; Chachua, L Sh; Samadashvili, M N *Soobshch Akad Nauk Gruz SSR* 80 (1): 193-195. Ref. Eng. Sum. Oct 1975

037578 450 F58AE
Activity of beta-glucosidase in plants with different boron requirements [Maize, wheat, beans]. Maevskaya, A N; Troitskaya, E A; Temp, G A; Andreeva, E N *Sov Plant Physiol* 22 (3): 476-480. Ref. May/June 1975

037579 450 F58AE
Effect of drought on post-photosynthetic conversions of C14[carbon isotope] in [broad] bean leaves. Chikov, V I; Nikolaev, B A *Sov Plant Physiol* 22 (3): 492-494. Ref. May/June 1975

037580 450 F58AE
Effect of nitrogen nutrition on glycolate oxidase activity in [broad] bean and corn plants. Andreeva, T F; Avdeeva, T A; Stepanenko, S YU *Sov Plant Physiol* 22 (3): 460-463. Ref. May/June 1975

037581 450 F58AE
Effect of streptomycin on chlorophyll biosynthesis in wheat seedlings. Babayan, R S; Gevorkyan, A M; Airapetyan, R B; Saakyan, M S *Sov Plant Physiol* 22 (3): 402-406. Ref. May/June 1975

037582 450 F58AE
Energy dissipation and photosynthesis in nitrogen and phosphorus nutrition [Sunflowers]. Stoyanov, Zh V *Sov Plant Physiol* 22 (3): 525-526. Ref. May/June 1975

037583 450 F58AE
Localization of reactions of the C-4 dicarboxylic acid cycle in cellular structures of assimilating tissues of the cornleaf. Persanov, V M; Kuznetsova, L G; Karpilov, YU S *Sov Plant Physiol* 22 (3): 397-401. Ref. May/June 1975

037584 450 F58AE
Membrane potentials and activity of potassium ions cells of tobacco tissue cultures. Litvinov, A I; Vorob'ev, L N; Vakhmistrov, D B *Sov Plant Physiol* 22 (3): 481-487. Ref. May/June 1975

037585 450 F58AE
Possible participation of peroxidase in reduction of nitrates in plants [Broadbeans]. Peive, YA V; Ivanova, N N; Ovcharenko, G A; Shirinskaya, M G *Sov Plant Physiol* 22 (3): 438-444. Ref. May/June 1975

037586 450 F58AE
Potentiometric investigation of kinetics of the Hill reaction as a function of ferricyanide concentration [Maize]. Zelenskii, M I; Moglieva, G A *Sov Plant Physiol* 22 (3): 538-546. Ref. May/June 1975

037587 450 F58AE
Respiration of the cells of corn roots during deceleration of the rate of root growth induced by reduced temperature. Maricheva, E A; Rodchenko, O P; Nechaeva, L V *Sov Plant Physiol* 22 (3): 495-500. Ref. May/-June 1975

037588 450 F58AE
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of chloroplasts [Maize, peas]. Gavrilenko, V F; Rubin, B A; Zhigalova, T V *Sov Plant Physiol* 22 (3): 369-374. Ref. May/June 1975

037589 450 F58AE
The mechanism of auxin action on membrane transport of hydrogen ions [Maize]. Polevoi, V V; Salamatova, T S *Sov Plant Physiol* 22 (3): 432-437. Ref. May/June 1975

037590 450 F58AE
Urease activity of isolated tobacco protoplasts. Musorok, T I; Zhuravlev, YU N *Sov Plant Physiol* 22 (3): 451-454. Ref. May/-June 1975

037591 S3.S8
Observations of temperature in winter wheat at Ultuna, Sweden, 1968-1972. Rodskjer, N; Tuvesson, M *Swed J Agric Res* 5 (4): 223-234. 1975

037592 S631.A82
The physiology of silicon in rice. Yoshida, S *Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)* 25, 27 P. Ref. Nov 1975

037593 11 T439
Various seed spacings in beets drilled to a stand. (Dan) Christensen, S P L *Tidsskr Plant* 79 (4): 509-516. Eng. Sum. 1975

037594 QD415.A1B58
Membrane-bound receptors for plant hormones [Maize]. Venis, M A; Batt, S *Trans Biochem Soc* 3 (6): 1148-1151. 1975

037595 QD415.A1B58
The development of carbohydrases in germinating rye. Ballance, G M; Manners, D J *Trans Biochem Soc* 3 (6): 989-991. 1975

037596 QH573.T75
Effects of radioactive iodine on cotton seeds. (Rus) Sadykov, P T; Ibragimov, Sh I *Tsitol Genet* 9 (6): 505-509. Ref. Eng. Sum. Nov/-Dec 1975

037597 105.9 L65V
Determining available lysine content in corn varieties of Upper Austria. (Ger) Neuwirth, H *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 103-110. 1975

037598 105.9 L65V
Floristic and chemical changes in forage plants after using manure and fertilizers. (Ger) Kump, A *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 181-197. Ref. Eng. Sum. 1975

037599 105.9 L65V
Methods to identify iodine content of grass. (Ger) Sorger, G *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 123-130. 1975

037600 442.9 M854
Is serradella [Ornithopus] a calcifobic plant? (Rus) Ampilogov, N E *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 122-124. Ref. Eng. Sum. May/June 1975

037601 442.9 M854
The importance of leaf orientation for light reception by sunflower plant. (Rus) Klimov, S V; Shul'gin, I A; Nichiporovich, A A *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 64-68. Ref. Eng. Sum. May/June 1975

037602 20 AK16
Activity of succinate dehydrogenase in self-pollinated lines and hybrids of maize. (Rus) IAkovlev, A P; Ras'kova, N V *Vestn S-kh Nauki (Alma-Ata)* 10: 68-71. Ref. Eng. Sum. Oct 1975

037603 20 V82
Amount of micronutrients in [leguminous] forage crops grown in the Khar'kov area. (Ukr) Panova, S V; Varchuk, S S *Visn Sil's'kohospod Nauki* 10: 51-56. Oct 1975

037604 20 V82
Frost resistance, winter hardiness and yield of winter wheat relative to its moisture and nutrition conditions. (Ukr) Bondarenko, V I; Artiukh, O D; Khmara, V V; Kosenko, H I *Visn Sil's'kohospod Nauki* 10: 22-26. Oct 1975

037605 20 V82
Natural self-pollination in alfalfa. (Ukr) Tkachenko, I K; Pomohaibo, V M *Visn Sil's'kohospod Nauki* 10: 100-101. Oct 1975

037606 20 V82
On the chemical composition of monogerm sugarbeet seeds. (Ukr) Dronova, H V; Musiienko, A A; Borysiuk, V O *Visn Sil's'kohospod Nauki* 10: 34-37. Oct 1975

037607 20 V82
Rate of respiration of breeding stock sugarbeets stored in containers and in fixed storage areas. (Ukr) Barabash, P L; Perepeliak, H T *Visn Sil's'kohospod Nauki* 11: 101-102. Nov 1975

037608 389.79 F98
Vertical distribution of dry matter in some grassland plants and stands. (Ger) Madel, F; Voigtlander, G *Wirtschseig Futter* 21 (3): 280-290. Eng. Sum. Third Quarter 1975

037609 18 J825
A comparative analysis of growth of ten Egyptian cotton cultivars (Gossypium barbadense L.). el-Zahab, A A A; Zahran, M *Z Acker Pflanzenbau* 141 (4): 284-299. Ref. Nov 1975

037610 18 J825
Vernalisation requirement and photoperiod demand for generative development in Poa supina (Schrad.). (Ger) Entrup, N L *Z Acker Pflanzenbau* 141 (4): 300-316. Ref. Nov 1975

037611 450 Z32
Effect of salt and abscisic acid on in vitro activity of nitrate reductase in seedlings of Phaseolus aconitifolius [Moth beans]. Sankhla, N; Huber, W *Z Pflanzenphysiol* 76 (5): 467-470. Ref. 1975

037612 450 Z32
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and growth in Avena [oats] coleoptile segments. Haschke, H P; Luttge, U *Z Pflanzenphysiol* 76 (5): 450-455. Ref. 1975

037613 450 Z32
Kinetics of auxin transport in light and in dark grown Zea mays L. coleoptile segments. Naqvi, S M *Z Pflanzenphysiol* 76 (5): 379-383. Ref. 1975

PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

037614 14 P215BC
Evaluation of the precision of measuring respiration intensity of different plant species [Fruits and vegetables]. (Fre) Chambroy, Y; Buret, M; Flanzy, C; Pascal, F *Acad Agric Fr C R Seances* 61 (8): 464-469. 1975

037615 19 AC8
Physiological studies on salt tolerance in Pisum sativum (L.). III. Growth and maturation [Peas]. Uprety, D C; Sarin, M N *Acta Agron (Budap)* 24 (3/4): 452-457. Ref. 1975

037616 19 AC8
Role of stem-fruit relation in the after-ripening process of red peppers. Laszlo, K *Acta Agron (Budap)* 24 (3/4): 380-385. Ref. 1975

037617 19 AC8
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. Szalai, I; Nagy, M; Helfrich, M *Acta Agron (Budap)* 24 (3/4): 335-342. Ref. 1975

037618 S16.H8A32
Effect of seed irradiation (60Co) [cobalt isotope] on the development of coloring substances and total surface of tomato leaves. (Hun) Pal, I; Benedek, Mrs L M *Agrar Tud Egy Kozl (Godollo)* P. 257-269. Ref. 1974

S16.H8A32
Investigations into the physiological, comulative and post-effect of pesticides in the seed production of peas. (Hun) Furedi, J; Badawi, M E *Agrar Tud Egy Kozl (Godollo)* P. 239-255. Ref. Eng. Sum. 1974

037619 385 AG8B
Isolation of gibberellins A5, A32, A32 acetonide and (+)abscisic acid from Prunus persica [Peaches]. Yamaguchi, I; Yokota, T; Murofushi, N; Takahashi, N; Ogawa, Y *Agric Biol Chem* 39 (12): 2399-2403. Dec 1975

037620 385 AG8B
Structure elucidation of gibberellin A32 and its acetonide [Peaches]. Yamaguchi, I; Yokota, T; Murofushi, N; Takahashi, N *Agric Biol Chem* 39 (12): 2405-2410. Dec 1975

037621 S583.L32
Estimating the state of maturation of a banana bunch from meteorological and supporting data. Green, G C; Kuhne, F A *Agrochemophysica* 7 (3): 27-32. Sept 1975

385 AG84
Composition in free amino acids of sap from tomato plants treated with different levels of boron [Fertilizer]. Hernando, V; Buenadicha, P; Torres, M *Agrochimica* 19 (5): 367-373. Ref. Sept 1975

037622 385 AG89
Certain problems of nitrogen metabolism in plants [of kidney beans] under expansion of tissues induced by 2,4-dichlorophenoxyacetic acid. (Rus) Artamonov, V I; Kuramagomedov, M K *Agrokhimiia* 8: 104-110. Ref. Aug 1975

037623 385 AG89
Determination of levels of nitrogen nutrition for peaches at different growth periods by the method of foliar diagnosis. (Rus) Pilipenko, V G; Filippov, L A *Agrokhimiia* 8: 123-127. Aug 1975

037624 385 AG89
The levels of nitrogenous fertilizers and the structure of the apple tissues. (Rus) Ul'ianova, D A *Agrokhimiia* 8: 21-26. Aug 1975

037625 450 AM36
The relationships among Umbelliferone, growth and peroxidase levels in cucumber roots. Jankay, P; Muller, W H *Am J Bot* 63 (1): 126-132. Ref. Jan 1976

037626 390.9 AM33
Pectic enzyme effects on red grapes. Ough, C S; Noble, A C; Temple, D *Am J Enol Vitic* 26 (4): 195-200. 1975

037627 75.8 P842
Comparison of methods for measuring leaf and tuber water potentials in potatoes. Gandar, P W; Tanner, C B *Am Potato J* 52 (12): 387-397. Ref. Dec 1975

037628 75.8 P842
Potato leaf and tuber water potential measurements with a pressure chamber. Gandar, P W; Tanner, C B *Am Potato J* 53 (1): 1-14. Ref. Jan 1976

037629 442.8 AN72
Respiration of maleic hydrazide treated and untreated onion bulbs during storage [Sprouting and behaviour]. Ward, C M; Tucker, W G *Ann Appl Biol* 82 (1): 135-141. Ref. Jan 1976

037630 450 AN7
A comparative study of the effects of photoperiod on flower bud development and stem elongation in three varieties of Phaseolus vulgaris, L. [Kidney beans]. Zehni, M S; Morgan, D G *Ann Bot* 40 (165): 17-22. Jan 1976

037631 450 AN7
Nutrient concentrations and interactions in young leaves of potato plants growing with and without tubers. Addiscott, T M *Ann Bot* 40 (165): 65-72. Ref. Jan 1976

037632 450 AN7
Short-term studies of the uptake of nitrogen by young apple trees after soil application of ammonium nitrate. Catlin, P B; Priestley, C A *Ann Bot* 40 (165): 72-82. Ref. Jan 1976

037633 450 AN7
The effect of cycloheximide on absorption of ions by bean (Phaseolus vulgaris L.) roots. Nassery, H; Didehvar, F *Ann Bot* 40 (165): 43-48. Ref. Jan 1976

037634 105.4 P435
Observations on the characteristics of the nectar glucide fraction of 5 fruit species [Prunus]. (Ita) Battaglini, Mauro; Battaglini, Marcella *Ann Perugia Univ Fac Agrar* 29: 441-455. Ref. Eng. Sum. 1974

037635 QH345.A1P73
Assimilation of benzene from the atmosphere by fruits. Durmishidze, S V; Ugrekhelidze, D Sh; Dzhikiya, A N *Appl Biochem Microbiol* 10 (3): 393-396. Ref. May/June 1974 Transl 1975

037636 QH345.A1P73
Determination of the content of natural growth inhibitors of the potato tuber-caffeic acid and scopoletin. Morozova, E V; Korableva, N P; Metlitskii, L V *Appl Biochem Microbiol* 10 (3): 397-401. Ref. May/June 1974 Transl 1975

037637 80 AR13
Pollination of fruit trees [by bees]. (Fre) Tasei, J N *Arboric Fruit* 22 (261): 14-15. Nov 1975

037638 381 AR2
Chloroplast biogenesis. Biosynthesis and accumulation of protochlorophyll by isolated etioplasts and developing chloroplasts [Cucumbers]. Rebeiz, C A; Mattheis, J R; Smith, B B; Rebeiz, C C; Dayton, D F *Arch Biochem Biophys* 171 (2): 549-567. Ref. Dec 1975

037639 381 AR2
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, oxygen] complexes of reduced horseradish peroxidases. Yamada, H; Yamazaki, I *Arch Biochem Biophys* 171 (2): 737-744. Ref. Dec 1975

037640 381 AR2
Purification and properties of S-adenosyl-L-homocysteine hydrolase from leaves of spinach beet. Poulton, J E; Butt, V S *Arch Biochem Biophys* 172 (1): 135-142. Ref. Jan 1976

037641 381 AR2
Synthesis of sluble, thylakoid, and envelope membrane proteins by spinach chloroplasts purified from gradients. Morgenthaler, J J; Mendiola-Morgenthaler, L *Arch Biochem Biophys* 172 (1): 51-58. Ref. Jan 1976

037642 80 AR2
Determination of maturity in 'Le Conte', 'Shoubra' and 'Pine Apple' pear varieties. (Ger) el-Azzouni, M M; Abd el-Latief, F I; Kewani, E A *Arch Gartenbau* 23 (8): 483-489. Ref. Eng. Sum. 1975

037643 80 AR2
On the variability of the growth characters of woody plants in the nursery [Apple trees]. (Ger) Schmadlak, J *Arch Gartenbau* 23 (7): 429-440. Ref. Eng. Sum. 1975

037644 80 AR2
The effect of light on the vegetative and generative development of further five apple varieties, grown on M4 rootstocks. (Ger) Streitberg, H *Arch Gartenbau* 23 (7): 463-469. Eng. Sum. 1975

037645 80 AR2
The effect of several growth regulators on the root system of strawberry runner plants. (Ger) Hortynski, J A *Arch Gartenbau* 23 (8): 507-516. Ref. Eng. Sum. 1975

037646 381 B523
Carboxypeptidase inhibitor from potatoes. The effects of chemical modifications on inhibitory activity. Hass, G M; Ako, H; Grahn, D T; Neurath, H *Biochemistry (Easton)* 15 (1): 93-100. Ref. Jan 13, 1976

037647 381 B523
Investigation of quercetin binding sites on chloroplast coupling factor. Cantley, L C; Hammes, G G *Biochemistry (Easton)* 15 (1): 1-8. Ref. Jan 13, 1976

037648 385 B523AE
A study of the ribosomal proteins and subunits of pea seeds by the method of electrophoresis in polyacrylamine gel. Chumikina, L V; Gumilevskaya, N A; Kretovich, V L *Biochemistry (N Y)* 40 (2, Pt. 1): 223-230. Ref. Mar/Apr 1975

037649 381 B522
A comparison of DNA from free living and endosymbiotic Rhizobium leguminosarum (strain PRE) [Peas]. Reijnders, L; Visser, L; Aalbers, A M J; Kammen, A van; Houwers, A *Biochim Biophys Acta* 414 (2): 206-216. Ref. Dec 4, 1975

037650 381 B522
Biochemical characteristics of the outer membranes of plant mitochondria [Mung beans, potatoes]. Mannella, C A; Bonner, W D Jr *Biochim Biophys Acta* 413 (2): 213-225. Ref. Dec 1, 1975

037651 381 B522
Cryoprotective leaf proteins [Spinach, cabbage]. Volger, H G; Heber, U *Biochim Biophys Acta* 412 (2): 335-349. Ref. Dec 15, 1975

037652 381 B522
Cytochrome b-563 redox changes in intact CO2- [carbon dioxid]-fixing spinach chloroplasts and in developing pea chloroplasts. Heber, U; Boardman, N K; Anderson, J M *Biochim Biophys Acta* 423 (2): 275-292. Ref. Feb 16, 1976

037653 381 B522
Fat metabolism in higher plants: production of short- and medium-chain acyl-acyl carrier protein by spinach stroma preparations treated with cerulenin. Packter, N M; Stumpf, P K *Biochim Biophys Acta* 409 (3): 274-282. Ref. Dec 17, 1975

037654 381 B522
Primary reactions of photosystem II at low pH [hydrogen-ion conentration]. I. Prompt and delayed fluorescence [Spinach]. Gorkom, H J van; Pulles, M P J; Haveman, J; Haan, G A den *Biochim Biophys Acta* 423 (2): 217-226. Ref. Feb 16, 1976

037655 381 B522
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, proton flux and phosphorylation in the photosynthetic membrane [Spinach]. Graber, P; Witt, H T *Biochim Biophys Acta* 423 (2): 141-163. Ref. Feb 16, 1976

037656 381 B522
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. Podo, F; Cain, J E; Blasie, J K *Biochim Biophys Acta* 419 (1): 19-41. Ref. Jan 8, 1976

037657 381 B522
Studies on the slow fluorescence decline isolated chloroplasts [Spinach]. Jennings, R C; Garlaschi, F M; Forti, G *Biochim Biophys Acta* 423 (2): 264-274. Ref. Feb 16, 1976

037658 381 B522
X-ray diffraction from oriented outer mitochondrial membranes. Detection of in-plane subunit structure [Mung beans, potatoes]. Mannella, C A; Bonner, W D Jr *Biochim Biophys Acta* 413 (2): 226-233. Ref. Dec 1, 1975

037659 383 SO1
Decanoic acid, a new precursor for the in vitro biosynthesis of oleic acid by a plant subcellular fraction [Cauliflowerhomogenate]. (Fre) Mazliak, P; Grosbois, M; Decotte, A M *Biochimie* 57 (8): 943-950. Ref. Eng. Sum. 1975

037660 385 B523
Effect of indoleacetic acid on the photophosphorylation of isolated pea chloroplasts. (Rus) Akulova, E A; Murzaeva, S V; Taukeleva, Sh H; Ruzieva, R Kh *Biokhimiia* 40 (6): 1205-1209. Ref. Eng. Sum. Nov/Dec 1975

037661 385 B523
Isolation of chloroplasts and chloroplast DNA from pea leaves. (Rus) Amerkhanova, M B; Boguspaev, K K; Sliusarenko, A G *Biokhimiia* 40 (6): 1312-1314. Eng. Sum. Nov/Dec 1975

037662 450 B52
Chemotropic effect of metal cations on Sinapis alba L. [Mustard] roots as affected by some factors. (Ger) Konarzewski, Z; Guminski, S *Biol Plant* 17 (6): 458-467. Ref. 1975

037663 450 B52
Development of water stress in kale leaves of different insertion levels. Pospisilova, J *Biol Plant* 17 (6): 392-399. Ref. 1975

037664 20 ER4
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. (Rus) Zargarian, O N; Marshavina, Z V; Aslaniants, L K; Shirinian, G S *Biol Zh Arm* 28 (6): 46-51. June 1975

037665 20 ER4
Effect of synthetic growth substances on endogenous growth regulators during organic dormancy of grape. (Rus) Sarkisova, M M; Arutiunian, E A; Oganesian, R S *Biol Zh Arm* 28 (5): 58-63. Ref. May 1975

037666 20 ER4
Physiobiochemical characteristics of tomato varieties differing in earliness. (Rus) Ananian, A A; Egiazarian, A G; Sarkisian, E M *Biol Zh Arm* 28 (6): 66-69. June 1975

037667 20 ER4
Rooting of walnut [Juglans] grafts depending on the supply of water. (Rus) Mishnev, V G *Biol Zh Arm* 28 (5): 88-90. Ref. May 1975

037668 20 ER4
The influence of irradiation on tomato fertilization. (Rus) Tumanian, E R; Danielian, A Kh *Biol Zh Arm* 28 (6): 95-97. June 1975

037669 QK73.K43B8
The flowering behaviour of the mung beans (Phaseolus radiatus L.). (Ind) Sutarno, H *Bul Kebun Raya* 2 (2): 41-44. Ref. Eng. Sum. Aug 1975

037670 512 W262
Gibberellin-like substances in potato tubers during their growth and dormancy. Bialek, K; Bielinska-Czarnecka, M *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 213-218. Ref. 1975

037671 512 W262
The effect of apple flesh on dormancy release and germination of seeds. Rudnicki, R M; Pieniazek, J *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 549-553. 1975

037672 470 C16C
Effects of aging on chlorophyll fluorescence and photosystem II electron transport in isolated chloroplasts [of spinach]. Fragata, M *Can J Bot* 53 (23): 2842-2845. Ref. Dec 1, 1975

037673 470 C16C
Multiple circadian rhythms regulate photoperiodic flowering responses in Chenopodium rubrum. King, R W *Can J Bot* 53 (22): 2631-2638. Ref. Nov 15, 1975

037674 470 C16C
Secondary dormancy in light-sensitive lettuce seeds incubated anaerobically or at elevated temperature. Vidaver, W; Hsiao, A I *Can J Bot* 53 (22): 2557-2560. Ref. Nov 15, 1975

037675 QD241.K453
Acetylpectolinarin from some species of Salvia. Smirnova, L P; Glyzin, V I; Patudin, A V; Ban'kovskii, A I *Chem Nat Compd* 10 (2): 258. Mar/Apr 1974 (Transl. 1975)

037676 QD241.K453
Spectrophotometric analysis of the preparation psoberan [Ficus carica]. Eidler, YA I; Genkina, G L; Shakirov, T T *Chem Nat Compd* 10 (2): 168-169. Mar/Apr 1974 (Transl. 1975)

037677 80 C498
Ripening response of green tomatoes to ethylene concentration and temperature. Jahn, O L *Citrus Veg Mag* 39 (2): 18, 20, 24. Ref. Oct 1975

037678 511 P444A
General and specific features in the process of rhizogenesis in stem and leaf cuttings of kidney beans. (Rus) Turetskaia, R Kh; Kefeli, V I; Gus'kov, A V *Dokl Akad Nauk SSSR* 224 (3): 733-736. Ref. 1975

037679 511 P444A
Lipoxygenase of chloroplasts [Peas]. (Rus) Borisova, I G; Budnitskaia, E V *Dokl Akad Nauk SSSR* 225 (2): 439-441. Ref. 1975

037680 511 P444A
Some morpho-physiological and symbiotic properties of polyploid forms of pea nodule bacteria [Rhizobium leguminosarum, alfalfa]. (Rus) Avvakumova, E N; Ovsepian, M V; Stepanian, T U *Dokl Akad Nauk SSSR* 225 (4): 974-977. 1975

037681 511 P444A
Structural organization of chloroplast polyribosomes in connection with biogenesis of thylakoids of grana [Peas]. (Rus) Filippovich, I I; Nozdrina, V N; Oparin, A I *Dokl Akad Nauk SSSR* 225 (1): 223-226. 1975

037682 511 P444A
Study of the localization of RNA synthesis in fine structure of chloroplasts [Peas]. (Rus) Filippovich, I I; Svetlichkin, V V; Oparin, A I *Dokl Akad Nauk SSSR* 225 (5): 1210-1212. Ref. 1975

037683 511 P444A
Study of the RNA and protein synthesis in meristems of potato tubers and the effect of growth regulators of a phenylic nature on these processes. (Rus) Korableva, N P; Dadyzhenskaia, E P; Metlitskii, L V *Dokl Akad Nauk SSSR* 225 (2): 450-453. Ref. 1975

037684 511 P444A
The connection between photooxidative transformations of organic acids in chloroplasts and the photosystem II [Peas]. (Rus) Bekina, R M; Lebedeva, A F; Rubin, B A *Dokl Akad Nauk SSSR* 224 (4): 960-963. Ref. 1975

511 P444A
The effect of phytohormones and inhibitors on the growth of pea and wheat dwarfs during presowing treatment of seeds. (Rus) Chailakhian, M Kh; Gudeova, M M; Khlopenkova, L P *Dokl Akad Nauk SSSR* 225 (5): 1217-1220. Ref. 1975

037685 511 P444A
Triplet states of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney beans, peas]. (Rus) Krasnovskii, A A; Lebedev, N N; Litvin, F F *Dokl Akad Nauk SSSR* 225 (1): 207-210. Ref. 1975

511 P444A
Two mechanisms of the light-dependent transport of proton in chloroplasts of plants [Maize, peas]. (Rus) IAsnikov, A A; Bershtein, B I; Volkova, N V; Vasilenok, L I; Volovik, O I; Dubrovskaia, A A; Zaitseva, N A; Kanivets, N P; Mushketik, L S; Et Al *Dokl Akad Nauk SSSR* 224 (6): 1449-1452. Ref. 1975

037686 S13.B82
Changes in the oxidative phosphorylation of pea plants affected by magnesium deficiency of different intensity. Ignatov, G; Kudrev, T *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 59-64. 1975

037687 S13.B82
The effects of defoliation on the pattern of 14C [carbon isotope] assimilate distribution in the long peach shoots. Petrov, A; Manolov, P *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 11-16. 1975

037688 SB13.E35
Effect of garlic bulb extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. Abou-Hussein, M R; Fadl, M S; Wally, Y A *Egypt J Hortic* 2 (1): 3-10. Ref. 1975

037689 SB13.E35
Effect of garlic bulb extract on flowering, sex ratio, and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. Abou-Hussein, M R; Fadl, M S; Wally, Y A *Egypt J Hortic* 2 (1): 11-22. Ref. 1975

037690 SB13.E35
Flowering and fruit set of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. Moursi, M A; Nour El Din, N A; Mansour, M A *Egypt J Hortic* 2 (1): 23-37. Ref. 1975

037691 SB13.E35
The effect of some procedural aspects in the extraction of cassie [Acaia farnesiana] essential oils on their yield, contents and properties. El-Gamassy, A M; Rofaeel, I S *Egypt J Hortic* 2 (1): 53-65. 1975

037692 SB13.E35
The effect of tree age and time of day for collecting the flowers on the flower yield, content and composition of cassie (Acacia farnesiana) essential oils. el-Gamassy, A M; Rofaeel, I S *Egypt J Hortic* 2 (1): 39-52. Ref. 1975

037693 475 EX7
A new quaternary ammonium compound with plant growth regulatory activity [Chrysanthemum morifolium]. Huppi, G A; Bocion, P F; Silva, W H de *Experientia* 32 (1): 37-38. Jan 15, 1976

037694 QD415.F4
Dark oxidation-reduction coupled phosphorylation in sonicated chloroplast vesicles [Spinach]. Selman, B R; Psczolla, G *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 135-139. Ref. Jan 15, 1976

037695 QD415.F4
Energy-dependent release of adenine nucleotides tightly bound to chloroplast coupling factor CF [Spinach]. Strotmann, H; Bickel, S; Huchzermeyer, B *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 194-198. Ref. Jan 15, 1976

037696 QD415.F4
Maltose phosphate in isolated spinach chloroplasts. Schilling, N; Scheibe, R; Beck, E; Kandler, O *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 192-193. Jan 15, 1976

QD415.F4
Manganese stimulation of oxygen consumption in [spinach, maize] chloroplasts with dibromothymoquinone. Miles, C D *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 251-254. Ref. Jan 15, 1976

037697 QD415.F4
Reaction kinetics for positive charge accumulation on the water side of chloroplast photosystem II [Spinach]. Babcock, G T; Blankenship, R E; Sauer, K *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 286-289. Ref. Jan 15, 1976

037698 QD415.F4
Relations between divalent cation binding and ATPase [adenosintriphosphatase] activity in coupling factor from chloroplast [Lettuce]. Hochman, Y; Lanir, A; Carmeli, C *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 255-259. Ref. Jan 15, 1976

037699 QK1.F57
Dependence of stomatal number and size in Juglans regia L. on ecological conditions. (Bul) Iotsova-Baurenska, N *Fitologiia* 1: 19-24. Eng. Sum. 1975

037700 QK1.F5
Activity of nitrate reductase in cabbage and tomato plant with introduction of algal mass as organic fertilizer. (Rus) Brantsevich, L G; Monastyretskaia, E V; Sviatnenko, L P *Fiziol Biokhim Kult Rast* 7 (5): 506-512. Ref. Eng. Sum. Sept/Oct 1975

037701 QK1.F5
Effect of sulphur efficiency on water regime and intensity of pea and wheat photosynthesis. (Rus) Bugakova, A N; Petrishcheva, E A; Il'iushchenko, T E *Fiziol Biokhim Kult Rast* 7 (5): 513-516. Ref. Eng. Sum. Sept/Oct 1975

037702 QK1.F5
Esterase of vetch seeds hydrolyzing carbobenzoxy-alanine p-nitrophenyl ester. (Rus) Bul'maga, V P; Shutov, A D; Vaintraub, I A *Fiziol Biokhim Kult Rast* 7 (5): 531-535. Ref. Eng. Sum. Sept/Oct 1975

037703 QK1.F5
Fluorescent method for quantitative determination of flavonols and indols in Pisum sativum [pea] chloroplasts. (Rus) Ruzieva, R Kh; Markovich, D S; Akulova, E A *Fiziol Biokhim Kult Rast* 7 (5): 540-543. Ref. Eng. Sum. Sept/Oct 1975

037704 QK1.F5
Lipid composition in photosystem I-containing fragments of pea chloroplast intergrana and grana thylakoids. (Rus) Ostrovskaia, L K; IAkovenko, G M; Gamaiunova, M S; Manuil'skaia, S V; Grigora, M IU; Mikho, A I *Fiziol Biokhim Kult Rast* 7 (5): 451-455. Ref. Eng. Sum. Sept/Oct 1975

037705 450 F58
Assimilation of nitrogen by plants in conditions of phosphorus deficiency [Pumpkins]. (Rus) Cherniavskaia, T N; Tueva, O F *Fiziol Rast (Mosk)* 22 (6): 1199-1205. Ref. Eng. Sum. Nov/Dec 1975

037706 450 F58
Localization of growth-inhibiting action of aluminium ions in elongating cell walls [Pea roots]. (Rus) Klimashevskii, E L; Dedov, V M *Fiziol Rast (Mosk)* 22 (6): 1183-1190. Ref. Eng. Sum. Nov/Dec 1975

037707 450 F58
Participation of aspartic acid and glycine in biosynthesis of threonine in isolated roots of Vicia sativa L. [Vetch]. (Rus) Izmailov, S F *Fiziol Rast (Mosk)* 22 (6): 1191-1194. Ref. Eng. Sum. Nov/Dec 1975

037708 450 F58
Reactions of violaxanthine cycle induced by high and lower beams of red light [Hydrangea hortensis]. (Rus) Sapozhnikov, D I; Popova, I A; Maslova, T G; Koroleva, O IA *Fiziol Rast (Mosk)* 22 (6): 1108-1112. Ref. Eng. Sum. Nov/Dec 1975

037709 450 F58
Some aspects of practical application of kinetin [for plant growth and the formation of nodules and tubers]. (Rus) Artamonov, V I *Fiziol Rast (Mosk)* 22 (6): 1283-1290. Ref. Eng. Sum. Nov/Dec 1975

037710 SB1.A1F5
Bud opening and overnight conditioning of Gypsophila 'Bristol Fairy' [Plant regulators]. Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 2-6. Nov/Dec 1975

037711 SB1.A1F5
Heat exchange through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for off-season flowering of chrysanthemums]. Doss, R P; Byrne, T G; Kretchun, T M; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 9-10. Nov/Dec 1975

037712 SB1.A1F5
Kalanchoe blossfeldiana 'Tetra Vulcan': suggestions for growing as a pot plant. Doss, R P; Byrne, T G; Kretchun, T M; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 7-8. Nov/Dec 1975

037713 80 G1938
Temperature requirements of pears. (Nor) Landfald, R *Gartneryket* 65 (41/42): 666. Oct 17, 1975

037714 80 G1938
Continuous inspection of the effect of temperature on the growth of ornamental plants in winter. (Nor) Sandved, G *Gartneryket* 65 (24/25): 441-445. June 20, 1975

037715 80 G1938
Will there be a complete revolution in the cultivation of tomatoes and cucumbers in regard to nutritional requirements? [Soilless culture]. (Nor) *Gartneryket* 65 (31/32): 498-499, 503. Aug 8, 1975

037716 QH431.A1G4
Comparative study of the effect of chemical and physical factors on variability of almond. (Rus) Imamaliev, G N; Akhund-Zade, I M; Brazhnikova, Zh V *Genetika* 11 (12): 139-142. Eng. Sum. 1975

037717 26 H27
Research on the physiology of citrus fruit. (Heb) Monselise, S *Hassadeh* 56 (2): 205-209. Nov 1975

037718 87 G75
A statistical regression model of greenhouse tomato water exchange. (Bul) Ilieva, V; Sugarev, T; Murtazov, T *Hortic Vitic Sci* 12 (5): 41-46. Eng. Sum. 1975

037719 87 G75
Change in activity of certain oxidative enzymes in apples and pears during growth and ripening. (Bul) Panova, R; Bozova, L *Hortic Vitic Sci* 12 (5): 28-35. Ref. Eng. Sum. 1975

037720 87 G75
Dynamics of the formation of tannin-like substances in the skin, seeds and juice of the berries of some wine grape varieties. (Bul) Kantarev, I *Hortic Vitic Sci* 12 (5): 111-116. 1975

037721 87 G75
Effect of uncontrolled conditions on the preservation of sets of some onion varieties [Growth, bolting]. (Bul) Kakumukova, P *Hortic Vitic Sci* 12 (5): 61-69. Ref. Eng. Sum. 1975

037722 87 G75
Investigations on the biological features of eight raspberry varieties under the Troyan microregion conditions. I. Dynamics of growth. (Bul) Dimov, I; Boikov, D *Hortic Vitic Sci* 12 (5): 21-27. Ref. Eng. Sum. 1975

037723 87 G75
On the uptake of glucose [by the vines] from root systems of true-rooted and grafted grapevines. (Rus) Bilyk, P P; Stoev, K D *Hortic Vitic Sci* 12 (5): 75-85. 1975

037724 87 G75
Some results from research on gas exchange in the course of the respiration of the grapevine. (Bul) Slavcheva, T; Kandeva, R; Gadevska, A *Hortic Vitic Sci* 12 (5): 117-122. 1975

037725 87 G75
Studies on the microspore genesis date in some varieties of apples and pears. (Bul) Mikhailov, TS; Topchiiski, S *Hortic Vitic Sci* 12 (5): 13-20. Ref. Eng. Sum. 1975

037726 87 G75
Study of frost resistance and regenerative ability of certain white wine varieties of grapes grown with high-training in the Pleven District. (Bul) Kurtev, P; Donchev, A *Hortic Vitic Sci* 12 (5): 86-92. 1975

037727 SB1.H6
An unusual flowering and fruiting habit of grapefruit in the Khuzestan area of Iran. Samadi, M; Cochran, L C *Hortsci* 10 (6): 593. Dec 1975

037728 SB1.H6
Carnation [Dianthus caryophyllus] propagation from shoot tips cultured in liquid medium. Earle, E D; Langhans, R W *Hortsci* 10 (6): 608-610. Dec 1975

037729 SB1.H6
Changes in polyphenoloxidase activity and substrate levels in maturing 'Golden Delicious' apple and other cultivars. Zocca, A; Ryugo, K *Hortsci* 10 (6): 586-587. Dec 1975

037730 SB1.H6
Comparative wet-digestion and dry-ashing of orange and Schefflera [actinophylla] leaves for nutrient determinations. Labanauskas, C K; Handy, M F *Hortsci* 10 (6): 596-598. Dec 1975

037731 SB1.H6
Correlation between methods to determine the protein content of potato tubers. Vigue, J; Li, P H *Hortsci* 10 (6): 625-627. Dec 1975

037732 SB1.H6
Effects of plant growth regulators on Lilium longiflorum Thunb. cv. Georgia. Sanderson, K C; Martin, W C Jr; Marcus, K A; Goslin, W E *Hortsci* 10 (6): 611-613. Ref. Dec 1975

037733 SB1.H6
Foam sprays of plant growth regulating chemicals on rose shoot development at cutback. Carpenter, W J *Hortsci* 10 (6): 605-606. Dec 1975

037734 SB1.H6
Foliar element levels of Chrysanthemum [morifolium] and tomato grown in insolubilized poly(ethylene oxide) amended media. Chan, M; Staby, G L *Hortsci* 10 (6): 607-608. Ref. Dec 1975

037735 SB1.H6
In vitro propagation of Cordyline terminalis (L.) Kunth [by tissue culture]. Kunisaki, J T *Hortsci* 10 (6): 601-602. Dec 1975

037736 SB1.H6
Pollination and the timing of fruit-set in cucumbers. Fuller, G L; Leopold, A C *Hortsci* 10 (6): 617-619. Ref. Dec 1975

037737 SB1.H6
The effect of ethephon on onion seedstalk height and seed production characteristics. Corgan, J N *Hortsci* 10 (6): 620. Dec 1975

037738 340.8 ID5
Evapotranspiration of grapes. (Hun) Furi, J; Kozma, F *Idojaras* 79 (2): 112-120. Ref. Eng. Sum. Mar/Apr 1975

037739 QH601.N37 1974
Preservation of chloroplast membranes, in vitro [Spinach]. Torres-Pereira, J *In Biomembranes, Lipids, Proteins and Receptors Proceedingsof a NATO Advanced Study Institute* P. 291-299. Ref. 1974 (Pub. 1975)

037740 SB52.G43F6
Activities and results obtained in physiological research [Viticulture]. (Ger) Beran, N *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 139-146. Ref. 1974

037741 SB52.G43F6
Research on the biology and control of insect pests in horticulture and viticulture. (Ger) Ehrenhardt, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr-Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 206-212. Ref. 1974

037742 QK882.G42
Carbon dioxide transfer and photochemical activities as factors of photosynthesis during ontogenesis of primary bean leaves. Sestak, Z; Catsky, J; Solarova, J; Strnadova, H; Ticha, I *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 159-166. Ref. 1972 (Pub. 1975)

037743 QK882.G42
Characteristics of chloroplast DNA-protein complex [Peas]. Pinevich, V V; Ivanova, S B; Lipskaya, A A *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 31-36. Ref. 1972 (Pub. 1975)

037744 QK882.G42
Chloroplast DNA-membrane complex in Pisum sativum [Peas]. Turishcheva, M S *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 1-8. 1972 (Pub. 1975)

037745 QK882.G42
Chloroplast messenger RNA from etiolated pea seedlings. Aliev, K A; Muzafarova, S; Radzhabov, H; Kholmatova, M; Ulugbekova, G; Nasyrov, YU S *In Genetic Aspects of Photosynthesis Selected Papers from the Symposium* P. 93-103. Ref. 1972 (Pub. 1975)

037746 SD645.P6
Rhythm of potassium absorption in relation with growth (pineapple and banana). (Fre) Lacoeuilhe, J J *In Potassium in Tropical Crops and Soils* P. 177-183. Ref. Eng. Sum. 1974

037747 389.8 IN25
Varietal variations in the physical characteristics and chemical constituents of the fruits of tomato (Lycopersicon esculentum Mill). Kaur, G; Kanwar, J S; Bindra, U *Indian Food Pack* 29 (4): 5-8. Ref. July/Aug 1975

037748 385 IN294
Chemical investigation of the seeds of Daucus carota Nantes [Carrots]. Behari, M; Andhiwal, C K *Indian J Chem* 13 (6): 639. June 1975

037749 385 IN294
Composition of Ocimum gratissimum (shrubby basil) seed mucilage. Tharanathan, R N; Shamanna, D *Indian J Chem* 13 (3): 307-308. Mar 1975

037750 385 IN294
Structure of zerumbone oxide, a new sesquiterpene epoxy ketone from Zingiber zerumbet Smith (wild ginger oil). Chhabra, B R; Dhillon, R S; Wadia, M S; Kalsi, P S *Indian J Chem* 13 (3): 222-224. Mar 1975

037751 385 IN294
Synthesis of sylvatine [Piper sylvaticum]. Vig, O P; Vig, A K; Handa, V K; Sharma, S D *Indian J Chem* 13 (3): 225-227. Ref. Mar 1975

037752 442.8 IN2
Distribution of photosynthates in chickpeas Cicer arietinumL. Shanthakumari, P; Balasubramanian, V; Sinha, S K *Indian J Exp Biol* 13 (2): 208-209. Mar 1975

037753 442.8 IN2
Growth of root-callus tissues of Citrus aurantifolia [Limes] (Christm.) Swing. in longterm culture. Chaturvedi, H C; Chowdhury, A R *Indian J Exp Biol* 13 (2): 120-122. Mar 1975

037754 442.8 IN2
Morphogenesis in explants of Citrus microcarpa bunge grown in vitro. Rangaswamy, N S *Indian J Exp Biol* 13 (2): 213-215. Mar 1975

037755 SB599.I47
Effect of different spawning methods on the productivity of Agaricus bisporus [Mushrooms]. Shandilya, T R; Seth, P K; Kumar, S; Munjal, R L *Indian J Mycol Plant Pathol* 4 (2): 129-131. July 1974 (Pub. 1975)

037756 SB599.I47
Mycoflora in mushroom compost. Munjal, R L; Shandilya, T R; Seth, P K *Indian J Mycol Plant Pathol* 4 (2): 204-205. July 1974 (Pub. 1975)

16 IT1
Radiation stimulation of seeds [of field crops and vegetables]; results of five years of experimentation. (Ita) Clemente, G; Caldera, P G *Ital Agric* 112 (5): 103-115. Ref. May 1975

037757 385 AG8
Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in Satsuma mandarin oranges. (Jpn) Sawamura, M; Nakashima, M; Osajima, Y *J Agric Chem Soc Jap* 49 (11): 603-607. Eng. Sum. Nov 1975

037758 385 AG8
The constituents of the stream volatile oil form Chrysanthemum coronarium L. var. spartiosum Baileg. (Jpn) Kameoka, H; Kitagawa, C; Hasebe, Y *J Agric Chem Soc Jap* 49 (11): 625-627. Nov 1975

037759 381 J8223
Light-dependent carotenoid synthesis in the tomato fruit. Raymundo, L C; Chichester, C O; Simpson, K L *J Agric Food Chem* 24 (1): 59-64. Ref. Jan/Feb 1976

037760 381 J8223
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. Mody, N V; Hedin, P A; Neel, W M *J Agric Food Chem* 24 (1): 175-177. Ref. Jan/Feb 1976

037761 10 J822
Effects of cold treatments on the sprout growth of three potato varieties. Wurr, D C E; Allen, E J *J Agric Sci (Camb)* 86 (1): 221-224. Feb 1976

037762 10 J822
The amount of flower shedding in some kharif pulses [Cowpeas, mung beans, mungo beans]. Kaul, J N; Singh, K B; Sekhon, H S *J Agric Sci (Camb)* 86 (1): 219. Feb 1976

037763 385 J822
Comparative specificity of geranylgeranyl pyrophosphate synthetase of Micrococcus lysodeikticus and pumpkin. Shinka, T; Ogura, K; Seto, S *J Biochem (Tokyo)* 78 (6): 1177-1181. Dec 1975

037764 385 J822
Effects of asparagusate and lipoate on enzymes of the tricarboxylic acid cycle and related metabolic pathways [Asparagus]. Yanagawa, H; Egami, F *J Biochem (Tokyo)* 78 (6): 1153-1160. Ref. Dec 1975

037765 385 J822
Isolation and characterization of a proteinase from the sarcocarp of melon fruit. Kaneda, M; Tminaga, N *J Biochem (Tokyo)* 78 (6): 1287-1296. Ref. Dec 1975

037766 385 J822
Isolation of a low molecular weight active fragment of potato proteinase inhibitor IIb. Iwasaki, T; Wada, J; Kiyohara, T; Yoshikawa, M *J Biochem (Tokyo)* 78 (6): 1267-1274. Ref. Dec 1975

037767 385 J822
Purification and characterization of proteinase inhibitors from adsuki beans (Phaseolus angularis). Yoshida, C; Yoshikawa, M *J Biochem (Tokyo)* 78 (5): 935-945. Ref. Nov 1975

037768 381 J824
Double-headed protease inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. Gennis, L S; Cantor, C R *J Biol Chem* 251 (3): 734-740. Ref. Feb 10, 1976

037769 381 J824
Double-headed protease inhibitors from black-eyed peas. II. Structural studies by optical absorption and circular dichroism. Gennis, L S; Cantor, C R *J Biol Chem* 251 (3): 741-476. Ref. Feb 10, 1976

037770 381 J824
Double-headed protease inhibitors from black-eyed peas. III. Subunit enteractions of the native and half-site chemically modified proteins. Gennis, L S; Cantor, C R *J Biol Chem* 251 (3): 747-753. Ref. Feb 10, 1976

037771 381 J824
Double-headed protease inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. Gennis, L S; Cantor, C R *J Biol Chem* 251 (3): 754-762. Ref. Feb 10, 1976

037772 381 J824
Double-headed protease inhibitors from black-eyed peas. V. Analysis of the energetics of protease-inhibitor interactions. Gennis, L S *J Biol Chem* 251 (3): 763-768. Ref. Feb 10, 1976

037773 381 J824
Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. Gennis, L S; Cantor, C R *J Biol Chem* 251 (3): 769-775. Ref. Feb 10, 1976

037774 QH301.J6
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris [kidney bean] xylem by the use of an azo-dye method. Charvat, I; Esau, K *J Cell Sci* 19 (3): 543-561. Ref. Dec 1975

037775 450 J8224
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. Sangwan, R S; Harada, H *J Exp Bot* 26 (95): 868-881. Ref. Dec 1975

037776 450 J8224
Flowering in Pisum [peas]: the sites and possible mechanisms of the vernalization response. Reid, J B; Murfet, I C *J Exp Bot* 26 (95): 860-867. Ref. Dec 1975

037777 450 J8224
Fruit abscission in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. Ojehomon, O O *J Exp Bot* 26 (95): 921-926. Dec 1975

037778 450 J8224
Hormonal regulation of hypocotyl elongation in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. Wakhloo, J L *J Exp Bot* 26 (95): 841-852. Ref. Dec 1975

037779 450 J8224
In vitro propagation of red cabbage (Brassica oleracea L. Var. capitata). Bajaj, Y P S; Nietsch, P *J Exp Bot* 26 (95): 883-890. Dec 1975

037780 450 J8224
Seed selection for potential viability [Kidney beans, peanuts, cotton]. Levengood, W C; Bondie, J; Chen, C L *J Exp Bot* 26 (95): 911-919. Dec 1975

037781 389.8 J823
Changes in coconut lipids during desiccation. Krishnamurthy, M N; Chandrasekhara, N *J Food Sci Tech* 12 (4): 185-187. Ref. July-/Aug 1975

037782 396.9 P49
Constituents of Geranium thunbergii Sieb. Et Zucc. II. Ellagitannins. 1. (Jpn) Okuda, T; Yoshida, T; Mori, K *J Pharm Soc Jap* 95 (12): 1462-1466. Ref. Eng. Sum. Dec 1975

037783 442.9 J27
Poly (G) synthesizing activity in soluble chromatin isolated from cauliflower inflorescence. Fukasawa, H; Ueno, T; Hamada, Y *Jap J Genet* 50 (4): 301-306. Ref. Aug 1975

037784 474 K842
First the blossoms and then the leaves [Tussilago farfara, physiology]. (Ger) Aichele, D *Kosmos* 72 (2): 58-60. Feb 1976

037785 73.8 L542
Heating the seeds of fiber flax with warm air [for increasing germination percentage]. (Rus) Arzumanova, A A *Len Konopliia* 3: 33-34. Mar 1975

037786 105.1 G344
Can Nitsch's hypothesis on the floral metabolism [in Euphorbia pulcherrima] by generalised? (Dut) Debergh, P *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1525-1533. 1974

037787 105.1 G344
Influence of nutrition on rooting capacity of [glasshouse ornamental] cuttings. Wille, D *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1520-1524. Ref. 1974

037788 105.1 G344
L.). B. Flower color and flower color pigmentation in the spontaneous and artificial color sports Azalea indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. (Dut) Loose, R de *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1369-1384. Eng. Sum. 1974

037789 23 N4892
Quantitative aspects of flowering in the Chinese gooseberry(Actinidia chinensis Planch.). Brundell, D J *N Z J Agric Res* 18 (4): 371-374. Nov 1975

037790 514 N482
Leaf amino acids of Psidium guajava [Guavas]. Winchester, R V *N Z J Sci* 18 (2): 239-242. June 1975

037791 472 N21
Rhythmic oscillations of phytochrome and its pelletability in Cucurbita pepa L. [Squash]. Jabben, M; Schafer, E *Nature* 259 (5539): 114-115. Ref. Jan 15, 1976

037792 474 N213
A first allergenic sesquiterpene lactone from Chrysanthemumindicum L.: arteglasin-A. Hausen, B M; Schulz, K H; Jarchow, O; Klaska, K H; Schmalle, H *Naturwissenschaften* 62 (12): 585-586. Dec 1975

037793 12 N3892
Gibberellin promotion of physiological leaf spot [non-pathogenic disorders] in detached 'Golden Delicious' apple leaves. Kender, W J; Jonkers, H *Neth J Agric Sci* 23 (2): 126-130. 1975

037794 61.9 AS7N
Germination studies of Dianthus armeria and Dianthus deltoides. Lincoln, W C Jr; McGuigan, M L *Newsl Assoc Off Seed Anal* 49 (4): 15-17. Nov 1975

037795 61.9 AS7N
Germination studies and optimum testing method for Pittosporum tobira (Japanese pittosporum) seed. Heit, C H *Newsl Assoc Off Seed Anal* 49 (4): 17-19. Nov 1975

037796 61.9 AS7N
Laboratory germination findings and testing method for Scheflera actinophylla (umbrella tree). Heit, C E *Newsl Assoc Off Seed Anal* 49 (4): 21-24. Nov 1975

037797 340.9 SO1
Water-vapor transfer from fluttering [citrus] leaves within a plant canopy. Field observations and laboratory experiments. (Jpn) Haseba, T *Nogyo Kisho J Agric Meteorol* 31 (3): 135-143. Ref. Eng. Sum. Dec 1975

037798 64.8 N76
Field experiments on the control of the bean weevil (Acanthoscelides obtectus Say, Coleoptera, Bruchidae) by the release of sterile adults. (Hun) Palfi, D; Szentesi, A *Novenytermeles* 24 (3): 249-257. Ref. Eng. Sum. Sept 1975

037799 450 N99
Analytical study of the distribution of sesquiterpene lactones of different Ambrosia species [Taxonomy]. (Spa) Shah, J J; Raju, E C *Nytt Mag Bot* 41 (1): 52-64. Ref. 1975

037800 S13.O2
Glycoalkaloids of the potato [Metabolism]. (Rus) Overchuk, V I; Mitsko, V N *Obz Inf Minist Sel'sk Khoz SSSR Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz* 870, 39 P. Ref. 1975

037801 450 P5622
Absorption and metabolism of CrO4 [chromate anion] by isolated chloroplasts [of spinach]. Desmet, G; Ruyter, A de; Ringoet, A *Phytochemistry* 14 (12): 2585-2588. Ref. Dec 1975

037802 450 P5622
Anthocyanin, flavonol copigments, and pH [hydrogen-ion concentration] responsible for larkspur flower color [Consolida ambigua; Delphinium ajacis]. Asen, S; Stewart, R N; Norris, K H *Phytochemistry* 14 (12): 2677-2682. Ref. Dec 1975

037803 450 P5622
Auxin-like activity of 1,2-benzisothiazole derivatives [in pea and Jerusalem artichoke tissues]. Branca, C; Plazzi, V; Vitto, M; Bordi, F *Phytochemistry* 14 (12): 2545-2550. Ref. Dec 1975

037804 450 P5622
Biosynthetic pathway of cucumber alcohol: trans-2,cis-6-nonadienol via cis-3,cis-6-nonadienal. Hatanaka, A; Kajiwara, T; Harada, T *Phytochemistry* 14 (12): 2589-2592. Dec 1975

037805 450 P5622
Extraction and purification of tRNA from fruit tissues [of tomatoes, pears, and apples]. Romani, R J; Sproule, B V; Mettler, I J; Tuskes, S E *Phytochemistry* 14 (12): 2563-2567. Ref. Dec 1975

037806 450 P5622
Identification of some volatile compounds from Citrullus vulgaris [Watermelon]. Kemp, T R *Phytochemistry* 14 (12): 2637-2638. Ref. Dec 1975

037807 450 P5622
Passiflorine, a new glycoside from Passiflora edulis [Granadilla]. Bombardelli, E; Bonati, A; Gavetta, B; Martinelli, E M; Mustich, G *Phytochemistry* 14 (12): 2661-2665. Dec 1975

037808 450 P5622
Properties of spinach chloroplast fructose-1-6-diphosphatase. Lazaro, J J; Chueca, A; Lopez Gorge, J; Mayor, F *Phytochemistry* 14 (12): 2579-2583. Ref. Dec 1975

037809 450 P692
Cell isoperoxidases in sweetpotato plants in relation to mechanical injury and ethylene. Birecka, H; Catalfamo, J; Urban, P *Plant Physiol* 57 (1): 74-79. Ref. Jan 1976

037810 450 P692
Changes in isoperoxidases during cold treatment of dormant pear embryo. Tao, K L; Khan, A A *Plant Physiol* 57 (1): 1-4. Ref. Jan 1976

037811 450 P692
Chloroplast growth and replication in germinating spinach cotyledons following massive gamma-irradiation of the seed. Rose, R; Possingham, J *Plant Physiol* 57 (1): 41-46. Ref. Jan 1976

037812 450 P692
Glycoprotein metabolism in the cotyledons of Pisum sativum peas] during development and germination. Basha, S M M; Beevers, L *Plant Physiol* 57 (1): 93-97. Ref. Jan 1976

037813 450 P692
Incorporation of cytokinin N6-benzyladenine into tobacco callus transfer ribonucleic acid and ribosomal ribonucleic acid preparations. Armstrong, D J; Murai, N; Taller, B J; Skoog, F *Plant Physiol* 57 (1): 15-22. Ref. Jan 1976

037814 450 P692
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with rage of potatoes. Sowokinos, J R *Plant Physiol* 57 (1): 63-68. Ref. Jan 1976

037815 450 P692
Some regulatory properties of pea leaf carbamoyl phosphate synthetase. O'Neal, T D; Naylor, A W *Plant Physiol* 57 (1): 23-28. Ref. Jan 1976

037816 450 P693
Anthocyanin synthesis in a white flowering mutant of Petunia hybrida by a complementation technique. Kho, K F F; Bennink, G J H; Wiering, H *Planta* 127 (3): 271-279. Ref. 1975

037817 450 P693
Relative thermostability of the [spinach] chloroplast eavelope. Krause, G H; Santarius, K A *Planta* 127 (3): 285-299. Ref. 1975

037818 450 P693
The induction of transport channels by auxin [Kidney beans]. Sachs, T *Planta* 127 (3): 201-206. Ref. 1975

037819 450 P693
Translocation and metabolism of [3H]gibberellins by light-grown Phaseolus coccineus [scarlet runner beans] seedlings. Nash, L J; Crozier, A *Planta* 127 (3): 221-231. Ref. 1975

037820 QD415.A1P7
A combined procedure for preparation of plastocyanin, ferredoxin and CF1 [Spinach]. Yocum, C F; Nelson, N; Racker, E *Prep Biochem* 5 (4): 305-317. Ref. 1975

037821 385 P93
Determination of the trypsin inhibitor in [pea] seeds. (Rus) Gofman, IU IA; Vaisblai, I M *Prikl Biokhim Mikrobiol* 11 (5): 777-783. Ref. Eng. Sum. Sept/Oct 1975

037822 56.9 SO3
Growth of turfgrasses as affected by soil phosphorus and arsenic [Herbicide residues]. Carrow, R N; Rieke, P E; Ellis, B G *Proc Soil Sci Soc Am* 39 (6): 1121-1124. Ref. Nov/Dec 1975

037823 64.8 M41
A contribution to the biogenesis and biochemistry of the antimicrobial activity of the essential oils of onions (Alliumcepa L.). (Ger) Becker, A; Schuphan, W *Qual Plant Plant Foods Human Nutr* 25 (2): 107-169. Ref. Eng. Sum. Dec 29, 1975

037824 64.8 M41
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). (Ger) Muller, H; Schuphan, W *Qual Plant Plant Foods Human Nutr* 25 (2): 171-186. Ref. Eng. Sum. Dec 29, 1975

037825 64.8 M41
Metabolism of quinic acid depsides in Lycopersicon esculentum Mill. [Tomatoes]. (Fre) Marigo, G; Rossignol, M; Boudet, A M *Qual Plant Plant Foods Human Nutr* 25 (2): 211-218. Ref. Eng. Sum. Dec 29, 1975

037826 334.8 R11
Gamma-irradiation of lima bean protease inhibitor in dilute aqueous solutions. Lynn, K R; Raoult, A P D *Radiat Res* 65 (1): 41-49. Ref. Jan 1976

037827 442.8 R11
The effect of pre-irradiation of seeds with gamma-rays on biology and fruitfulness of cucumbers. (Rus) Zham"ianseren, D; Zhugder, A *Radiobiologiia* 15 (5): 790-792. Eng. Sum. Sept/Oct 1975

037828 64.8 R18
On the variability of essential oil quantity and quality in Mentha piperita L. (Bul) IAnkulov, I; Ivanov, I N; Alipur, Kh *Rastenievud Nauk* 12 (6): 61-68. Ref. Eng. Sum. 1975

037829 64.8 R18
Peculiarities of the growth and development of introduced pea specimens under north Bulgaria and Sofia plain conditions. (Bul) Ganeva, D; Naneva, D; Marinova, R *Rastenievud Nauk* 12 (6): 82-92. Ref. Eng. Sum. 1975

037830 64.8 R18
Raw stuff bulk and morphine content of soporific poppy (Papaver somniferum L.) as affected by the fruit stalk length. (Bul) Deneva, T *Rastenievud Nauk* 12 (6): 49-53. Ref. Eng. Sum. 1975

037831 100 OK4M
Asexual propagation of hybrid [ornamental] elms [Ulmus pumila, Ulmus japonica]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 41-42. Oct 1975

037832 100 OK4M
Growing Nandina domestica from cuttings. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 47-48. Oct 1975

037833 100 OK4M
Modification of soapberry (Sapindus drummondi) through chemicals [Plant regulators]. Goodale, T; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 49. Oct 1975

037834 100 OK4M
Rooting cuttings of Crimson Pygmy Barberry [Berberis thunbergi]. Davis, R E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 46-47. Oct 1975

037835 9 R3222
Effects of mechanical scarification, seed position and gibberellic acid on germination in Cherimoya (Annona cherimolia Mill). (Spa) Toll Jubes, J; Martinez, H; Padilla, E; Oste, C A *Rev Agron Noroeste Argent* 12 (1/2): 161-172. Ref. Eng. Sum. 1975

037836 86 R22
Application of antitranspirants in fruit growing; preliminary optic and scanning microscopic reliefs. (Ita) Roversi, A *Riv Ortoflorofrutt Ital* 59 (3): 171-182. Ref. Eng. Sum. May/June 1975

037837 86 R22
Effects of SADH [Alar] fall sprays on the fruit set and yield of pear. Costa, G; Filiti, N; Cristoferi, G *Riv Ortoflorofrutt Ital* 59 (3): 198-203. Ref. May/June 1975

037838 86 R22
Inquiries on the flower biology of the Burmosa plum and of some varieties pollinating it. (Ita) Bellini, E *Riv Ortoflorofrutt Ital* 59 (3): 210-221. Ref. Eng. Sum. May/June 1975

037839 86 R22
Meristem-tip in vitro culture of Cattleya sp. (Ita) Gregorini, G; Tognoni, F; Alpi, A; Salvatori, L *Riv Ortoflorofrutt Ital* 59 (3): 162-170. Eng. Sum. May/June 1975

037840 80 SA15
Agrobiological features of Richared Delicious apple variety. (Rus) Koropatiuk, E E *Sadovod Vinograd Vinodel Mold* 8: 11-13. Aug 1975

037841 80 SA15
Frost resistance of new apricot varieties. (Rus) Denisiuk, A L *Sadovod Vinograd Vinodel Mold* 7: 18-21. July 1975

037842 80 SA15
Non-root feeding supplement for vineyards. (Rus) Fulga, I G; Rogut, V S *Sadovod Vinograd Vinodel Mold* 8: 54-56. Aug 1975

037843 80 SA15
On the causes of various frost resistances of grapes under earth coverings. (Rus) Skorokhod, V A *Sadovod Vinograd Vinodel Mold* 8: 21-24. Aug 1975

80 SCH9
Anatomy and physiology of the grapevine. (Ger) Koblet, W *Schweiz Z Obst Weinbau* 111 (26): 676-686. (Continued) Dec 13, 1975

037844 SB117.S455
Invigoration of seeds? [Onions, germination]. Heydecker, W; Higgins, J; Turner, Y J *Seed Sci Technol* 3 (3/4): 881-888. Ref. 1975

037845 SB117.S455
On the cause of [lettuce] seed deterioration in dry storage [Germination]. Villiers, T A; Edgcumbe, D J *Seed Sci Technol* 3 (3/4): 761-774. Ref. 1975

037846 SB117.S455
Respiratory measurements as indicators of field emergence ability in peas. Carver, M F F; Matthews, S *Seed Sci Technol* 3 (3/4): 871-879. Ref. 1975

037847 SB117.S455
The effects on seedling growth of simulated seed damage in French beans. Chin, H F; Neales, T F; Wilson, J H *Seed Sci Technol* 3 (3/4): 837-841. 1975

037848 SB117.S455
The most appropriate moisture content of [vegetable, grass, legume and flower] seeds for their long life span [Viability]. Nakamura, S *Seed Sci Technol* 3 (3/4): 747-759. 1975

037849 S13.S44
Development and yielding ability of Fragaria ananassa Duch. [Strawberry] as affected with gibberellin. (Rus) Verzilov, V F; Mikhteleva, L A *S-kh Biol* 10 (4): 533-537. Ref. Eng. Sum. July/Aug 1975

037850 S13.S44
Development of new forms of pear from embryos cultured in vitro. (Rus) Zdruikovskaia-Rikhter, A I; Khrolikova, A Kh *S-kh Biol* 10 (4): 518-521. Eng. Sum. July/Aug 1975

037851 S13.S44
Formation of bulbs in bulb onion as affected by the photoperiodic reaction of varieties. (Rus) Kononkov, L F; Ershov, I I; Bushkov, V P *S-kh Biol* 10 (4): 544-547. Eng. Sum. July/Aug 1975

037852 S13.S44
Metabolism of amino acids in bean plants under the deficit of magnesium and calcium in the nutritive medium. (Rus) Kondrat'ev, M N *S-kh Biol* 10 (4): 538-543. Ref. Eng. Sum. July/Aug 1975

037853 S13.S44
Specificity of growth of mutant forms of apple trees in nurseries. (Rus) Ravkin, A S *S-kh Biol* 10 (3): 354-358. Eng. Sum. May/-June 1975

037854 511 AK146
Investigation of some biochemical indices in grapevine berries in relation to grafting. (Geo) Mikeladze, E G; Georgobiani, E L; Gvamichava, N E *Soobshch Akad Nauk Gruz SSR* 80 (1): 153-155. Eng. Sum. Oct 1975

037855 511 AK146
The effect of foliar application on the content of phosphorus forms in grapevine. (Geo) Chanishvili, Sh Sh; Georgobiani, E L *Soobshch Akad Nauk Gruz SSR* 80 (1): 149-152. Eng. Sum. Oct 1975

511 AK146
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal [rats] and plant [pea leaves] tissues. (Geo) Goglidze, R I; Dzhokhadze, D I *Soobshch Akad Nauk Gruz SSR* 80 (2): 465-468. Ref. Eng. Sum. 1975

037856 QH540.E32
Winter hardiness of endemic and introduced [ornamental and fruit] trees in the southern Far East. Taleinsnik, E D *Sov J Ecol* 6 (1): 49-54. Ref. Jan/Feb 1975

037857 450 F58AE
Acropetal transport of exogenous beta-indolyacetic acid in potato sprouts. Vonsavichene, V N; Marchukaitis, A S *Sov Plant Physiol* 22 (3): 428-431. Ref. May/June 1975

450 F58AE
Activity of beta-glucosidase in plants with different boron requirements [Maize, wheat, beans]. Maevskaya, A N; Troitskaya, E A; Temp, G A; Andreeva, E N *Sov Plant Physiol* 22 (3): 476-480. Ref. May/June 1975

037858 450 F58AE
Cellular funds of sugars and respiration [Peas]. Yudina, O S *Sov Plant Physiol* 22 (3): 375-381. Ref. May/June 1975

037859 450 F58AE
Changes of enzymatic activity in apple seeds under the influence of stratification. Yankelevich, B B; Nikolaeva, M G *Sov Plant Physiol* 22 (3): 535-537. Ref. May/June 1975

037860 450 F58AE
Comparative immunochemical study of proteins of the root and other organs of pea seedlings. Mardanov, A A; Abutalybov, M G; Shirvani, T S *Sov Plant Physiol* 22 (3): 455-459. Ref. May/June 1975

037861 450 F58AE
Effect of alkaline cations on the electrophoretic spectrum of water-soluble proteins of tomato leaves. Myasoedov, N A; Kabanov, V V *Sov Plant Physiol* 22 (3): 464-469. Ref. May/June 1975

037862 450 F58AE
Effect of kinetin on potato growth and productivity. Drozdov, S N; Volkova, R I *Sov Plant Physiol* 22 (3): 527-528. Ref. May/-June 1975

037863 450 F58AE
Effect of salinization of the medium on synthesis and qualitative composition of peptides in pea plants. Prikhod'ko, L S; Klyshev, L K; Amirzhanova, G M *Sov Plant Physiol* 22 (3): 470-475. Ref. May/June 1975

037864 450 F58AE
Natural cytokinins and dormancy of tulip bulbs [Tulipa alberti]. Rakhimbaev, I R; Solomina, V F *Sov Plant Physiol* 22 (3): 517-519. Ref. May/June 1975

037865 450 F58AE
On the specificity of interaction between DNA and protein of the chloroplasts of Pisum sativum [Peas]. Pinevich, V V; Ivanova, S B; Lipskaya, A A *Sov Plant Physiol* 22 (3): 529-531. Ref. May/June 1975

037866 450 F58AE
Redox conversions of cytochrome f in isolated chloroplasts of pea. Roshchina, V V; Akulova, E A *Sov Plant Physiol* 22 (3): 391-396. Ref. May/June 1975

450 F58AE
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of chloroplasts [Maize, peas]. Gavrilenko, V F; Rubin, B A; Zhigalova, T V *Sov Plant Physiol* 22 (3): 369-374. Ref. May/June 1975

037867 450 F58AE
The pigment fund of [pea] chloroplasts as a function of the spectral composition of light. Kakhnovich, L V; Grits, M G *Sov Plant Physiol* 22 (3): 382-385. Ref. May/June 1975

037868 450 F58AE
The transpiration method of measuring heat resistance of [vegetable] plants. Babushkin, L N *Sov Plant Physiol* 22 (3): 547-552. Ref. May/June 1975

450 F58AE
Transport and conversion of sugars in nectaries in connection with the secretory function [Asclepias, pumpkins]. Zauralov, O A; Pavlinova, O A *Sov Plant Physiol* 22 (3): 415-421. Ref. May/June 1975

037869 450 F58AE
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of leaf heating [Kidney beans]. Belikov, P S; Melekhov, E I *Sov Plant Physiol* 22 (3): 386-390. Ref. May/-June 1975

037870 391.8 T66
Toxicity of the cardiotoxic protein, flammutoxin, isolted from the edible mushroom Flammulina velutipes. Lin, J Y; Wu, H L; Shi, G Y *Toxicon* 13 (5): 323-331. Nov 1975

037871 QD415.A1B58
Deoxyribonucleic acid polymerases and deoxyribonucleases in [pea] Pisum sativum. Stevens, C; Jenns, S M; Bryant, J A *Trans Biochem Soc* 3 (6): 1126-1128. 1975

037872 QD415.A1B58
Inhibition of 3-phosphoglycerate dehydrogenase from Pisum sativum [peas] by pyridoxal 5'-phosphate and by pyridoxamine 5'-phosphate. Slaughter, J C *Trans Biochem Soc* 3 (6): 1058-1061. 1975

037873 QD415.A1B58
Structure and mechanism of action of uridine diphosphate apiose/ uridine Diphosphate xylose synthase from cell-suspension cultures of parsley (Petroselinum hortense). Matern, U; Gebb, C; Baron, D; Grisebach, H *Trans Biochem Soc* 3 (6): 1048-1050. 1975

037874 442.8 T78
Crested thylakoids in carotenoidoplasts of subepidermal cells of the pumpkin Cucurbita pepo L. var. aurantiformis hort. (Rus) Matienko, E B *TSitologiia* 17 (11): 1323-1325. Eng. Sum. Nov 1975

037875 442.8 T78
The influence of cyclic 3'5'-adenosine monophosphate on the induction of tumour transformation of carrot tissue. (Rus) IAvorskaia, V K; Sarnatskaia, V V; Troian, V M; Zheltonozhskaia, L V; Il'chenko, L N; Merezhinskii, IU G; Kalinin, F L *TSitologiia* 17 (12): 1421-1426. Ref. Eng. Sum. Dec 1975

037876 80 T817
Raising tomato plants under artificial light in greenhouse and in the growing room. (Dut) Wilde, J de *Tuinbouwberichten* 39 (6): 249-252. June 1975

037877 80 T817
Short day handling of early autumn head lettuce [grown] under glass. (Dut) Benoit, F; Ceustermans, N *Tuinbouwberichten* 39 (7/8): 305-307. July/Aug 1975

037878 80 T817
Some views concerning short day effects on [growing] Redgauntlet under glass [Strawberry cultivars]. (Dut) Benoit, F *Tuinbouwberichten* 39 (9): 347-349. Ref. Sept 1975

037879 80 V662
Pollination of fruit crops. Langridge, D F *Victorian Hortic Dig* 66: 14-16. Spring 1975

037880 80 V662
Pollinaton is essential for Chinese gooseberries. Jones, D L *Victorian Hortic Dig* 66: 28-29. Spring 1975

037881 20 V82
Growth and development of potatoes in relation to application of mineral fertilizers and prometryne. (Ukr) Andrushko, M H; Moliavko, O O *Visn Sil's'kohospod Nauki* 10: 99-100. Oct 1975

037882 95.8 V833
Influence of environmental factors on bud burst, inflorescences, fertility, and shoot growth of vines. (Ger) Alleweldt, G; Hofacker, W *Vitis* 14 (2): 103-115. Ref. Eng. Sum. Oct 1975

037883 95.8 V833
The role of abscisic acid in bud dormancy of di- and tetraploid varieties of grapevines. (Ger) During, H; Kismali, I *Vitis* 14 (2): 89-96. Ref. Eng. Sum. Oct 1975

037884 95.8 W435
Role of folair diagnosis in the establishment of nitrogen, potassium and phosphorus requirements of grapes. (Ger) Balo, E; Panczel, M; Prileszky, Gy *Weinberg Keller* 22 (10): 423-439. Ref. Oct 1975

037885 450 Z32
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of growth regulators in geotropically stimulated Vicia faba roots [Broadbeans]. el-Antably, H M M *Z Pflanzenphysiol* 76 (5): 400-410. Ref. 1975

037886 450 Z32
Redistribution of endogenous cytokinins in geotropically stimulated Ribes nigrum [currant] roots and shoots. el-Antably, H M M *Z Pflanzenphysiol* 76 (5): 411-422. Ref. 1975

037887 450 Z32
Significance of triton-extractable membranes for IAA [indoleacetic acid]—chromatin interactions [Peas]. Fellenberg, G; Voges, B *Z Pflanzenphysiol* 76 (5): 456-461. 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FOREST TREES

037888 450 AM36
Role of allelopathy as expressed by dominating trees in a lowland forest in controlling the productivity and pattern of herbaceous growth. Lodhi, M A K *Am J Bot* 63 (1): 1-8. Ref. Jan 1976

450 AN7
Development of the tapetum in Pinus banksiana preceding sporogenesis. Dickinson, H G; Bell, P R *Ann Bot* 40 (165): 103-113. Ref. Jan 1976

037889 448.3 AN75
Study of nitrogenase activity in the mycorrhizal rhizosphere of pine and oak [Pinus, Quercus]. Jain, M K; Vlassak, K *Ann Inst Pasteur (Paris)* 126 A (1): 119-122. Ref. Jan 1975

037890 SD1.A68
The influence of mineral nutrition on the development of individual roots of sitka spruce [Picea sitchensis]. Coutts, M P; Philipson, J J *Arboric Assoc J* 2 (9): 406-410. Sept 1975

037891 450 AU72
Seed abortion in some species and interspecific hybrids of Eucalyptus [from Australia]. Drake, D W *Aust J Bot* 23 (6): 991-995. Dec 1975

037892 450 AU72
The root and shoot development of Eucalyptus regnans F. Muell. Ashton, D H *Aust J Bot* 23 (6): 867-887. Ref. Dec 1975

037893 475 AU73
Constituents of Eupomatia species. IV. Structure and synthesis of eupolauridine (EL base-1) and some observations on the structures of Eupolauramine (EL base-2) and hydroxyeupolauramine (EL base-3). Bowden, B F; Picker, K; Ritchie, E; Taylor, W C *Aust J Chem* 28 (12): 2681-2701. Ref. Dec 1975

037894 381 B522
Ribosomal cistrons in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus cells. Cecchini, J P; Miassod, R *Biochim Biophys Acta* 418 (1): 104-116. Ref. Jan 5, 1976

037895 381 B522
Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. Miassod, R; Cecchini, J P *Biochim Biophys Acta* 418 (1): 117-131. Jan 5, 1976

037896 451 R923
Root systems of trees and bushes and their ecology in eastern Karakum. (Rus) Miroshnichenko, IU M *Bot Zh* 60 (12): 1776-1794. Ref. Dec 1975

037897 451 R923
The ecology of flowering and pollination of Betula nana in the polar Urals. (Rus) Kaigorodova, M S *Bot Zh* 60 (10): 1466-1470. Ref. Oct 1975

037898 451 R923
The effect of temperature on the ultrastructure of the cells of the embryos of Euonymus europaea L. in the process of stratification and germination of seeds. (Rus) Alekseeva, Kh A *Bot Zh* 60 (10): 1448-1456. Ref. Oct 1975

037899 451 R923
The evaluation of the dynamics of seasonal increment of Larix dahurica in a forest tract Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). (Rus) Lovelius, N V *Bot Zh* 60 (10): 1476-1479. Ref. Oct 1975

037900 451 R923
The role of phytohormones in breaking deep dormancy of Acerseeds, depending on their maturity. (Rus) Razumova, M V; Nikolaeva, M G; Daletskaia, T V *Bot Zh* 60 (11): 1617-1622. Ref. Nov 1975

037901 512 W262
Investigations on the role of gibberellic acid (GA3) and chlorocholine chloride (CCC) in the process of rooting of willow (Salix viminalis L.) cuttings. Kriesel, K *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 203-208. Ref. 1975

037902 99.8 R47
Embryogenesis and cone growth in Cryptomeria japonica. (Jpn) Yokoyama, T *Bull Gov For Exp Stn (Tokyo)* 277: 1-20. Ref. Eng. Sum. Oct 1975

037903 99.8 R47
Needle variation in natural populations of Cryptomeria japonica D. Don. (Jpn) Muto, A *Bull Gov For Exp Stn (Tokyo)* 277: 21-40. Map. Ref. Eng. Sum. Oct 1975

037904 302.9 EN8
Rhythm of nutrient mineral uptake by the poplar [Populus x euramericana] in an nursery. (Ita) Frison, G *Cellul Carta* 26 (7/8): 25-43. Ref. Eng. Sum. July/Aug 1975

037905 QD241.K453
New flavonol glycosides from the needles of Larix sibirica. Tyukavkina, N A; Medvedeva, S A; Ivanova, S Z *Chem Nat Compd* 10 (2): 170-172. Ref. Mar/Apr 1974 (Transl. 1975)

037906 511 P444A
Cellular analysis of the sigmoid curve of root growth [Quercus robur]. (Rus) Obrucheva, N V; Kovalev, A G *Dokl Akad Nauk SSSR* 225 (5): 1213-1216. Ref. 1975

037907 TD202.E2
Depredatory insects of the Mediterranean forests. (Fre) Carle, P *Eau Amenagement Reg Provencale* 6: 31-36. July/Sept 1975

037908 512 W263
Assimilatory organs of Scots pine (Pinus silvestris L.) seedlings of different provenience on comparative plantations in three regions of Poland. Gowin, T *Ekol Pol* 23 (1): 109-128. Ref. 1975

037909 512 W263
The biomass of the root systems of the pine and oak in the Kampinos National Park [in the association Vaccinio myrtilli-Pinetum typicum]. Jozefaciukowa, W *Ekol Pol* 23 (1): 83-92. 1975

037910 512 W263
Variation in the fall rate of plant debris from trees in the association Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park. Jozefaciukowa, W *Ekol Pol* 23 (1): 93-101. 1975

037911 99.8 F7623
Height growth of black spruce and jack pine [Picea mariana, Pinus banksiana] seedlings in flooded flats. Stanek, W *For Chron* 51 (2): 53-54. Apr 1975

037912 442.8 M66
The effect of waterlogging on the transpiration of some tree seedlings [Fraxinus excelsior]. (Rus) Nesterovich, N D; Deriugina, T F *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 89-91. 1975

037913 10 J822
Seasonal variations in the composition of Pinus halepensis and Pinus sylvestris twigs and needles essential oil. Zafra, M; Garcia-Peregrin, E *J Agric Sci (Camb)* 86 (1): 1-6. Ref. Feb 1976

037914 410 J828
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). V. Radiation penetration theory and a test case. Norman, J M; Jarvis, P G *J Appl Ecol* 12 (3): 839-878. Ref. Dec 1975

037915 410 J828
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). VI. Response of stomata to temperature. Neilson, R E; Jarvis, P G *J Appl Ecol* 12 (3): 879-891. Ref. Dec 1975

037916 410 J828
Relationships between plant surface area and respiration in loblolly pine [Pinus taeda]. Kinerson, R S *J Appl Ecol* 12 (3): 965-971. Dec 1975

037917 410 J828
The effect of wind and humidity on leaf diffusive resistance in Sitka spruce [Picea sitchensis]. Grace, J; Malcolm, D C; Bradbury, I K *J Appl Ecol* 12 (3): 931-940. Ref. Dec 1975

037918 450 J829
[Seasonal] variation in the mineral contents of leaves of trees in miombo woodland [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. Ernst, W *J Ecol* 63 (3): 801-807. Ref. Nov 1975

037919 450 J8224
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and fungal pathogens]. Puritch, G S; Mullick, D B *J Exp Bot* 26 (95): 903-910. Ref. Dec 1975

037920 107.6 T643
Changes of longitudinal growth and chemical components in pine (Pinus densiflora) leaves on sandy soils resulting from fertilization. (Ger) Ogasawara, R; Hikichi, M *J Fac Agric Tottori Univ* 10: 27-21. Ref. Eng. Sum. Mar 1975

037921 99.8 N62
An observation on the summer shoot formation in Pinus densiflora seedlings. (Jpn) Hatano, K *J Jap For Soc* 57 (11): 390-394. Nov 1975

037922 99.8 N62
Changes in soluble nitrogens during spring growth of Cryptomeria japonica seedlings. (Jpn) Mori, T *J Jap For Soc* 57 (12): 440-443. Eng. Sum. Dec 1975

037923 99.8 N62
Diurnal fluctuation of CO2 [carbon dioxide] release from the stem bark of standing young Pinus densiflora trees. Negisi, K *J Jap For Soc* 57 (11): 375-383. Nov 1975

037924 99.8 N62
Effects of artificial shading on the growth of forest trees. I. Differences in growth of Cryptomeria japonica seedlings in shade during a growing season. (Jpn) Tanimoto, T *J Jap For Soc* 57 (12): 407-411. Ref. Eng. Sum. Dec 1975

037925 99.8 N62
The method for estimating the CO2 [carbon dioxide] gradient in an assimilation chamber [Pinus thunbergii, photosynthesis]. Furukawa, A *J Jap For Soc* 57 (11): 365-368. Nov 1975

037926 381 J827
Synthesis of (plus/minus)-3-methoxy-N-acetylnornantenine [Liriodendron tulipifera]. Hufford, C D; Morgan, J M *J Org Chem* 41 (2): 375-376. Ref. Jan 23, 1976

037927 99.8 IZ8
In vitro culture of isolated roots of Quercus robur L. (Rus) Momot, T S; IAtsenko-Khmelevskii, A A; Smirnov, A M *Lesn Zh Izv Vyssh Uchebn Zaved* 5: 26-28. 1975

037928 450 N48
Influence of temperature change on wood formation in Pinus radiata grown in controlled environments. Jenkins, P A *N Z J Bot* 13 (4): 579-592. Ref. Dec 1975

037929 99.8 N28
Growth of Belgian elm [Ulmus] in the coastal provinces of the Netherlands. (Dut) Schoenfeld, P H *Ned Bosbouw Tijdschr* 47 (3): 87-95. Map. Ref. Eng. Sum. Mar 1975

037930 340.9 SO1
Micrometeorology and assessment of primary production of a tropical rain forest in West Malaysia. Aoki, M; Yabuki, K; Koyama, H *Nogyo Kisho J Agric Meteorol* 31 (3): 115-124. Dec 1975

037931 QK901.A1O3
Inhibitary effect of Cladonia impexa Harm., Cladonia gracilis (L.) Willd and Cornicularia muricata (Ach.) Ach. On Pinus sylvestris seeds germination. (Fre) Ramaut, J L; Corvisier, M *Oecol Plant* 10 (3): 295-299. Eng. Sum. 1975

037932 450 P5622
Lignans and sugiol from Libocedrus bidwillii. Russell, G B *Phytochemistry* 14 (12): 2708. Dec 1975

450 P5622
Taxonomic patterns in amino-acids of Acacia seed globulins [from Australian species]. Pettigrew, C J; Watson, L *Phytochemistry* 14 (12): 2623-2625. Ref. Dec 1975

037933 450 P5622
Tetranortriterpenoids from the heartwood of Cacapa guianensis. Marcelle, G B; Mootoo, B S *Phytochemistry* 14 (12): 2717-2718. Dec 1975

037934 407 G29PR
Water use by saltcedar [Tamarix pentandra] as measured by the water budget method [Evapotranspiration]. Hylckama, T E A van *Prof Pap U S Geol Surv* 491-E, 30 P. Map. Ref. 1974

037935 SB117.S455
A note on temperature sensitivity for germination of Pterocarpus santalinus seed. Kumar, A; Gopal, M *Seed Sci Technol* 3 (3/4): 605-613. 1975

037936 SB117.S455
Influence of substrate moisture level on the germination of seed of selected Pinus species. Belcher, E W *Seed Sci Technol* 3 (3/4): 597-604. Ref. 1975

037937 99.8 SY52
Impact of certain environmental conditions upon the growth and development of Scots pine (Pinus silvestris L.) seedlings. (Pol) Szukiel, E *Sylwan* 119 (4): 47-52. Ref. Eng. Sum. Apr 1975

037938 385 T29
Determination of the 'starter' acetate unit in the biosynthesis of pinidine [Pinus jeffreyi]. Lette, E; Lechleiter, J C; Carver, R A *Tetrahedron Lett* 44: 3779-3782. Oct 1975

037939 QD415.A1B58
Effect of the nitrogen source on the activites of key enzymes of carbohydrate metabolism in cultured plant cells in vitro [Acer pseudoplatanus]. Jessup, W; Fowler, M W *Trans Biochem Soc* 3 (6): 1001-1003. 1975

037940 TA419.W6
Chemical and physical properties of tumor-affected sitka spruce [Picea sitchensis]. Rickey, R G; Hamilton, J K; Hergert, H L *Wood Fibre* 6 (3): 200-210. Fall 1974

037941 SD433.A1W6
A thermogravimetric study of the pyroiysis of the bark and chemically-modified bark of Jack pine, Pinus banksiana Lamb. Fairbridge, C; Ross, R A; Spooner, P *Wood Sci Technol* 9 (4): 257-274. Ref. 1975

FIELD CROPS—CULTURE

037942 S544.3.W6W53
Oat varieties for 1976. Oplinger, E S; Forsberg, R A; Brinkman, M A; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1929, 4 P. Map. Nov 1975

037943 S544.3.W6W53
1975 Wisconsin soybean variety test. Oplinger, E S; Gritton, E T; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2476, 12 P. Jan 1976

037944 14 P215BC
Improvement of plants and production trends [Agronomy]. (Fre) Cauderon, A *Acad Agric Fr C R Seances* 61 (6): 317-326. 1975

037945 14 P215BC
Recent history of the improvement of rape [Varieties]. (Fre) Morice, J *Acad Agric Fr C R Seances* 61 (6): 335-345. 1975

037946 19 AC8
"F" vetch [Varieties]. Mandy, Gy *Acta Agron (Budap)* 24 (3/4): 470-472. 1975

037947 19 AC8
"Nagykalloi aranymazsola" maize [Varieties]. Mandy, Gy *Acta Agron (Budap)* 24 (3/4): 359-360. 1975

037948 19 AC8
Position of maize in the rotation. Hussein, M A; Kamel, M S; Shafshak, S E; Salem, M S *Acta Agron (Budap)* 24 (3/4): 457-463. Ref. 1975

037949 S16.H8A32
Effect of the number of hop soots and way leading up. (Hun) Meszaros, F *Agrar Tud Egy Kozl (Godollo)* P. 153-162. Ref. 1974

037950 256.13 AG82M
Cereal varieties for 1976. Stewart, R H; Lynch, K W *Agric North Irel* 50 (8): 215-219. Dec 1975

037951 1.98 AG84
Roadside harvest [of crested wheatgrass for low-cost forage]. U.S. Agricultural Research Service *Agric Res* 24 (5): 13. Nov 1975

037952 24 EG94
A program for studying the optimum plot size in field experiments on the computer [Field crops, statistical analysis]. Abou-el-Fittouh, H A; el-Bakry, A E; el-Sergany, D Z *Agric Res Rev* 52 (8): 85-90. Aug 1974 (Pub. 1975)

037953 24 EG94
Estimates of relative efficiency for cotton field experiments [Yields]. Khalil, A R; Kasdy, A M; Abou-el-Fittouh, H A *Agric Res Rev* 52 (8): 75-84. Aug 1974 (Pub. 1975)

037954 281.9 IN23
Relative importance of seeds and fertilisers to the production of paddy—a case study. Pal, A; Sain, K *Agric Situation India* 30 (3): 147-149. June 1975

037955 16 AG8226
Increasing and improving the productivity of sugarbeet culture. (Ita) Rodieni, P *Agricoltura* 24 (5): 79-81. May 1975

037956 15 AG84
Barley for malting [Varieties, production]. (Spa) Ruiz de Castroviejo, J *Agricultura (Madr)* 44 (519): 527-529. July 1975

037957 15 AG84
Rice varieties. (Spa) Lopez Campos, G *Agricultura (Madr)* 44 (519): 540-544. July 1975

037958 15 AG84
Selection of a new maize variety. (Spa) Prieto, C *Agricultura (Madr)* 44 (519): 535-537. July 1975

037959 19.5 AG8
Dr. Viliam Westsik on his ninetieth birthday (Agronomists]. (Slo) Jurkovic, M *Agrikultura* 13: 219-222. 1975

037960 385 AG89
The effect of inoculation [with nodule bacteria] on the assimilation of hardly accessible sources of phosphorus by soybeans. (Rus) Afanas'eva, L M; Dorosinskii, L M; Rubinshtein, G V *Agrokhimiia* 8: 74-79. Ref. Aug 1975

037961 26 AG86
Notes on rainfed rice culture in Japan. (Fre) Le Buanec, B *Agron Trop (Paris)* 30 (3): 276-287. Maps. Ref. July/Sept 1975

037962 26 AG86
Notes on rainfed rice growing in central Brazil. (Fre) Le Buanec, B *Agron Trop (Paris)* 30 (1): 69-80. Map. Jan/Mar 1975

037963 26 AG86
Notes on rice growing in Costa Rica. (Fre) Le Buanec, B *Agron Trop (Paris)* 30 (1): 63-68. Map. Jan/Mar 1975

037964 26 AG86
Reflexions on the choice of the parents and some ways of developing new rice varieties (Oryza sativa L.). (Fre) Arraudeau, M *Agron Trop (Paris)* 30 (1): 7-18. Ref. Eng. Sum. Jan/Mar 1975

037965 26 AG86
Seven year multilocal experimentation on rainfed rice crops in Senegal (1967-1973). (Fre) Magne, C *Agron Trop (Paris)* 30 (1): 19-27. Map. Eng. Sum. Jan/Mar 1975

037966 26 AG86
Study of early rice in Madagascar (Diego-Suarez area). (Fre) Falais, M *Agron Trop (Paris)* 30 (3): 231-240. Eng. Sum. July/Sept 1975

037967 26 AG86
Traditional and modernized rice growing methods in Lower Casamance (Senegal). (Fre) Traverse, S *Agron Trop (Paris)* 30 (1): 28-34. Eng. Sum. Jan/Mar 1975

037968 49 C43
The theory and utilization of grassland establishment. 22. (Jpn) Yoshida, S *Anim Husb* 29 (7): 1021-1024. July 1975

037969 442.8 AN72
Research on the sugarbeet crop. Hull, R *Ann Appl Biol* 82 (1): 1-10. Jan 1976

037970 QH541.5.D4A1
The place of pulses in India with particular reference to the arid zones. Mann, H S; Singh, P *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 251-262. Sept 1975

037971 16 M582
More than fifty years of agronomic experience and social life [Autobiography, agronomists]. (Ita) Zanini, E *Ann Fac Agrar (Milan)* (New Ser.) 14 (1/3): 311-349. Jan/Dec 1974 (Pub. 1975)

037972 105.4 P435
Forage yields of different alfalfa varieties in pure stands and in mixtures with grasses. (Ita) Bianchi, A A; Ciriciofolo, E *Ann Perugia Univ Fac Agrar* 29: 533-555. Eng. Sum. 1974

037973 105.4 P435
Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the soil-covering ability of the seeded species and some weeds. (Ita) Cenci, C A; Ceccarelli, S *Ann Perugia Univ Fac Agrar* 29: 21-41. Ref. Eng. Sum. 1974

037974 103 N813
Herbage legumes in Northern Ireland [Culture]. Wright, C E *Annu Rep Agric Res Inst North Irel* 48th: 13-23. Ref. 1975

037975 450 AU72
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and density [Grazing, sheep, cattle]. Pressland, A J *Aust J Bot* 23 (6): 965-976. Ref. Dec 1975

037976 9.4 SO1
Quality forage plants and how to produce them. (Spa) Ayres, G E *Bol Agric* 647: 13718-13721. Jan 1975

037977 66.8 B77
Autumn application of fertiliser [for sugarbeets]. Draycott, A P *Br Sugar Beet Rev* 43 (3): 141, 142, 143. Autumn 1975

037978 66.8 B77
Better ploughing and cultivations for sugarbeet. Burne, J D *Br Sugar Beet Rev* 43 (3): 128-130. Autumn 1975

037979 65.8 B73
Agroindustrial characteristics of some commercial [sugarcane] varieties. I. (Por) Bassinello, A I *Bras Acucar* 86 (4): 52-54. Oct 1975

037980 65.8 B73
Cultural treatments of sugarcane. (Por) Sousa, J A G C *Bras Acucar* 85 (5): 56-61. May 1975

65.8 B73
Effectos on the soil of mechanical cultivation and fertilizer levels applied to sugarcane ratoons. (Por) Casagrande, A A; Godoy, O P; Corsini, P C *Bras Acucar* 85 (4): 30-49. Ref. Eng. Sum. Apr 1975

037981 65.8 B73
Experimental station of the South African Sugar Association, Agronomic Section [Sugarcane culture]. (Por) *Bras Acucar* 86 (1): 15-22. July 1975

037982 65.8 B73
NA 56-62, a [sugarcane] variety to be checked. (Por) Silva, J G da *Bras Acucar* 85 (5): 51-55. May 1975

037983 65.8 B73
Sugarcane culture in Mexico. (Por) Passos, C *Bras Acucar* 85 (3): 40-45. Mar 1975

037984 65.8 B73
Sugarcane with regard to mythology, history and technique [Culture, varieties, Brazil]. (Por) Coutinho, N *Bras Acucar* 86 (3): 45-61. Ref. Sept 1975

037985 65.8 B73
System of planning, selection, evaluation and control of research projects of the National Program for Sugarcane Improvement. (Por) Pinazza, A H *Bras Acucar* 86 (3): 29-35. Sept 1975

037986 22.5 M6932B
Studies on the effects of overseeding of Italian-ryegrass [Lolium multiflorum] on the production of knotgrass sward [Paspalum distichum]. (Jpn) Ikeda, H; Tokimatsu, M *Bull Fac Agric Univ Miyazaki* 22 (1): 87-91. Oct 1975

037987 100 C12CAG
University of California Signal barley [Varieties]. Worker, G F Jr; Schaller, C W; California Agricultural Experiment Station *Calif Agric* 29 (9): 13. Sept 1975

037988 7 R31
Pasture management—key to efficient dairy industry. Fisher, L J *Can Agric* 20 (4): 18. Fall 1975

037989 65.9 Q3C
Guard your sugarcane roots. Usher, J F *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 71-72. Oct 1975

037990 65.9 Q3C
Q87—a new [sugarcane] variety for Bundaberg. Toohey, C L *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 57-58. Oct 1975

037991 100 AL1S (2)
Management of Serala sericea (Lespedeza cuneata) for forage and seed [Varieties]. Hoveland, C S; McCormick, R F Jr; Anthony, W B; Glaze, F T; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 222, 12 P. Oct 1975

037992 100 AL1S (2)
Sericea [Lespedeza cuneata]-grass mixtures [Forage varieties]. Hoveland, C S; Anthony, W B; Carden, E L; Boseck, J K; Webster, W B; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 221, 12 P. Oct 1975

037993 77.9 IN292
Atoms contributing to bigger harvest [Radioactive radiationof seeds]. Kuzin, A *Coconut Bull* 6 (5): 3, 6. Sept 1975

037994 73.8 C82
Activity of the Cotton and Exotic Textile Research Institute in 1973-74. (Fre) *Coton Fibres Trop* 30 (1): 1-183. Maps. Ref. Mar 1975

037995 73.8 C82
Balance of comparative [cotton] variety tests in Togo, 1971to 1973. Replacement of Allen 331-61 variety. (Fre) Romuad-Robert, C *Coton Fibres Trop* 30 (2): 271-274. June 1975

037996 73.8 C82
Glandless cotton growing in Central and West Africa. Present situation of research. (Fre) Roux, J B *Coton Fibres Trop* 30 (2): 223-229. Ref. Eng. Sum. June 1975

037997 64.8 C883
Registration of Brazos rice. Bollich, C N; Scott, J E; Webb, B D; Atkins, J G *Crop Sci* 15 (6): 887. Nov/Dec 1975

037998 80 C83
Grass: the key to self-sufficiency? [Pasture management]. Moore, I *Ctry Life* 159 (4096): 44-45. Jan 1, 1976

037999 65.8 C89
A few timely questions of sugar beet production in Hungary. (Hun) Konya, K; Kovacs, J; Vajdal, I *Cukoripar* 28 (6): 201-204. Nov/-Dec 1975

038000 65.8 C89
Activities of specialized sugar beet producing model farmes in 1974. (Hun) Elias, Gy; Forrai, L *Cukoripar* 28 (5): 167-169. Eng. Sum. Sept/Oct 1975

038001 65.8 C89
Comparative experiments with hereditary monogern sugar beet strains in 1973 and 1974. (Hun) Lukacs, L; Zana, J *Cukoripar* 48 (6): 204-208. Eng. Sum. Nov/Dec 1975

038002 65.8 C89
New ways of stripe drilling [Sugarbeet culture]. (Hun) Tatray, Gy *Cukoripar* 28 (5): 164-166. Eng. Sum. Sept/Oct 1975

S13.B82
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of winter soft wheat [Breeding]. Popov, P; Stankov, I *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 25-28. Ref. 1975

038003 381 D75
Chaparral shrub control as influenced by grazing, herbicides and fire. Murphy, A H; Leonard, O A; Torell, D T *Down Earth* 31 (3): 1-8. Winter 1975

038004 102.5 EX7
Behavior of (brachytic-2) Piranao maize and normal-sized maizes at different nitrogen and plant density levels [Culture, varieties]. (Por) Galvao, J D; Paterniani, E *Experientiae* 20 (2): 18-52. Ref. Eng. Sum. July 1975

038005 102.5 EX7
Behavior of ten soybean varieties in different environments of Rio Grande do Sul State. (Por) Santos, O S dos; Vieira, C *Experientiae* 20 (4): 89-116. Ref. Eng. Sum. Aug 1975

038006 TX341.F3
Test tube production of plants [Culture]. Ahloowalia, B S *Farm Food Res* 6 (5): 117-119. Sept/Oct 1975

038007 S279.A3I5
Strategy of hybrid cotton for prosperity [Culture]. Patil, S B *Farm Front* 9 (2/3): 3-6. Feb/Mar 1975

038008 S19.F37
Sesame cultivation in Rajasthan. Gaur, B L; Snigh, H G *Farmer Parliament* 10 (6): 21-22. June 1975

038009 18 W763
Experience from fallowing of grassland for cropping in Rostock region. (Ger) Waldschlager, G *Feldwirtschaft* 16 (11): 508-510. Nov 1975

038010 18 W763
High cropping standards and extensive reproduction of soil fertility, prerequisites for high and stable yields [Agronomy]. (Ger) Spaar, D; Kundler, P *Feldwirtschaft* 16 (11): 485-488. Nov 1975

038011 18 W763
High cropping standards essential to contest for high yield stability. (Ger) Krebs, O *Feldwirtschaft* 16 (11): 488-495. Nov 1975

038012 18 W763
Results of interfarm units for crop production in Linum andFehrbellin and their agrochemical centre in achieveing techno-scientific progress [Agronomy]. (Ger) Hasse, H; Leschik, J; Korb, A *Feldwirtschaft* 16 (10): 465-468. Oct 1975

038013 S251.F6
Grazing areas [Pasture management]. (Swe) Hansson, K A *Forsk Prakt* 4, 7 P. 1975

038014 450 G282
Comparative serological studies in barley (Hordeum vulgare L. s l.) [Varieties]. Kapala, A; Wiatroszak, I; Przybylska, J *Genet Pol* 16 (1): 53-60. Ref. 1975

038015 298.8 G33
Influence of different factors on productiveness of quality wheat. (Ger) Jonas, K *Getreide Mehl Brot* 29 (7): 177-179. July 1975

038016 S19.G74
Modern agronomic concepts. Singh, A *Green Revolution* P. 45-48. 1974

038017 S19.G74
Role of agronomy in green revolution [in India]. Mahapatra, I C *Green Revolution* P. 12-14. 1974

038018 S19.G74
The emerging agricultural technology [India]. Swaminathan, M S *Green Revolution* P. 80-85. 1974

038019 26 H27
D.Y. 2—a new improved dwarf sunflower variety. (Heb) Yitzhaki, D *Hassadeh* 56 (2): 174, 176. Nov 1975

038020 26 H27
Overseeding rhodesgrass [Chloris gayana] with oats on peat soil. (Heb) Leshem, Y; Levin, I; Dovrat, A *Hassadeh* 56 (2): 172-174. Eng. Sum. Nov 1975

038021 26 H27
Seasonal notes for fodder growers. (Heb) Zarnitzky, I *Hassadeh* 56 (2): 165-166. Nov 1975

038022 100 AL1H
Triticale as a grazing crop for yearling beef steers. Harris, R R; Hoveland, C S; Boseck, J K; Webster, W B; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 10. Winter 1975

038023 100 IL64
Tassel trivia: little-known facts about corn. Johnson, R R; Lambert, R J; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 5. Fall 1975

S471.I4S92
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. Mehta, B V; Raman, S; Dangarwala, R T *In Symp on Green Revolution* P. 161-166. Ref. 1974

038024 22 IN283
A cropping pattern for uplands of Orissa [Rice, maize, mustard]. Mandal, B K; Vamadevan, V K *Indian Farming* 25 (7): 13, 15. Oct 1975

038025 22 IN283
A new cropping pattern with jute. Patel, C S *Indian Farming* 25 (7): 23, 25. Oct 1975

038026 22 IN283
Bugiyals need urgent care [Alpine pastures]. Joshi, D C *Indian Farming* 25 (7): 21, 25. Oct 1975

038027 22 IN283
Close spacing in wheat pays. Sinha, M N *Indian Farming* 25 (7): 7-8. Oct 1975

038028 22 IN283
Enhance brown sarson [bird rape] yields in drylands. Bhan, S *Indian Farming* 25 (7): 9-10. Oct 1975

038029 22 IN283
Sunflower for West Bengal. Mandal, S K; Mukherjee, D; Sengupta, K; Chakraborty, L N *Indian Farming* 25 (7): 17, 19. Oct 1975

038030 44.8 IN28
Comparative performance of certain varieties of forage oats. Patel, A S; Barevadia, T N; Vashi, P S *Indian J Dairy Sci* 28 (4): 260-262. Dec 1975

038031 44.8 IN28
Effect of variable plant heights and stump heights on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). Tiwana, M S; Bains, D S; Gill, G S; Gill, S S *Indian J Dairy Sci* 28 (4): 254-259. Dec 1975

038032 44.8 IN28
Evaluation of various forages of Brassica species for theirnutrients [Varieties]. Kaushal, J R; Gill, R S; Sidhu, B S; Chopra, A K *Indian J Dairy Sci* 28 (4): 263-266. Ref. Dec 1975

038033 SB599.I47
Morphology and taxonomy of Helminthosporium catenarium (Drechslera cateneria). Somal, B S *Indian J Mycol Plant Pathol* 4 (2): 157-160. July 1974 (Pub. 1975)

038034 65.8 IN26
Correlation study of quality and yield contributing characters in early maturing sugarcane cultivars. Sahi, B K; Patel, K A *Indian Sugar* 25 (7): 621-624, 641. Oct 1975

038035 65.8 IN26
Helping the inudstry through sugarcane management [Culture]. Saraogi, K N *Indian Sugar* 25 (5): 309-310. Aug 1975

038036 65.8 IN26
Intercropping of autumn planted sugarcane with wheat. Mathur, B S *Indian Sugar* 25 (5): 405-408, 411-413. Ref. Aug 1975

038037 20 M57AG
Annual forage legumes, a source of feed protein [Cultivation]. (Ger) Kalaidshiewa, S *Int Z Landwirtsch* 5: 521-527. 1975

038038 20 M57AG
Rationalization of sugarbeet cultivation. (Ger) Pala, J *Int Z Landwirtsch* 5: 527-532. 1975

038039 20 M57AG
Treatment of cereal seeds and stands with chlorocholine chloride. (Ger) Pikusch, G; Grintschenko, A *Int Z Landwirtsch* 5: 533-537. Ref. 1975

038040 20 M57AG
Use of yield potentials of Soviet wheat varieties in the Czechosovak Socialist Republic. (Ger) Petr, J *Int Z Landwirtsch* 5: 516-520. 1975

038041 22 IN8
Here come the new sorghums [Varieties]. Chadha, P C *Inten Agric* 13 (2): 4-7. Apr 1975

038042 22 IN8
New pigeon peas for old [Varieties]. Singh, K; Prasad, R *Inten Agric* 13 (2): 22. Apr 1975

038043 470 IO9
Vegetation management and microbial function in a tallgrass prairie. Herman, R P; Kucera, C L *Iowa State J Res* 50 (2): 255-260. Ref. Nov 1975

038044 16 IT1
A humane scientists: Gian Pietro Ballatore [Agronomists]. (Ita) Zanini, E *Ital Agric* 112 (5): 15-17. May 1975

038045 16 IT1
Hard wheat [varieties] for north-central Italy. (Ita) Centro di miglioramento genetico vegetale Maliani *Ital Agric* 112 (10): 115-117. Oct 1975

038046 16 IT1
Plot tests of 29 varieties of soft wheat [in north-central Italy]. (Ita) Beni, G *Ital Agric* 112 (10): 118-126. Oct 1975

038047 10 J822
Effect of harvesting stage on cereal and legume forage production in low rainfall regions. Hadjichristodoulou, A *J Agric Sci (Camb)* 86 (1): 155-161. Ref. Feb 1976

038048 10 J822
The effect of interval between harvests and nitrogen application on the proportion and yield of crop fractions in four ryegrass [Lolium] varieties in the first harvest year. Wilman, D; Drouschiotis, D; Koocheki, A; Lwoga, A B; Shim, J S *J Agric Sci (Camb)* 86 (1): 189-203. Ref. Feb 1976

038049 49 J82
Evaluation of annual grass forages in prepared seedbeds and overseeded into perennial sods. Utley, P R; Marchant, W H; McCormick, W C *J Anim Sci* 42 (1): 16-20. Ref. Jan 1976

410 J828
The agronomic role of introduced dung beetles in grazing systems. McKinney, G T; Morley, F H W *J Appl Ecol* 12 (3): 831-837. Ref. Dec 1975

038050 G141.J6
The rise of maize as a major crop plant in the Philippines [Culture, history]. Spencer, J E *J Hist Geogr* 1 (1): 1-16. Ref. Jan 1975

038051 292.8 J82
Applicability of some infiltration formulae to rangeland infiltrometer data. Gifford, G F *J Hydrol* 28 (1): 1-11. Ref. Jan 1976

038052 S19.J3
Mechanized direct-seeding of rice adapted to heavy rainfall condition in southeastern Japan. Inoue, K *JARQ (Jap Agric Res Q)* 9 (3): 148-151. July 1975

038053 S19.J3
New type of grass meter for pasture yield estimation. Nomoto, T *JARQ (Jap Agric Res Q)* 9 (3): 165-170. July 1975

038054 HD1491.G3K6
Contribution to the planned concentration and specialization of feed production [Cattle]. (Ger) Jahn, W *Kooperation* 9 (12): 532-534. Dec 1975

038055 SB193.A1L8
Catch crops for maize. (Rus) Shofman, L; Ladut'ko, V *Korma* 2: 32-33. Mar/Apr 1975

038056 SB193.A1L8
Dates, methods and rates of sowing orchardgrass [Dactylis] for seed. (Rus) Mikhailichenko, B; Shishkina, Z *Korma* 2: 41-42. Mar/Apr 1975

038057 SB193.A1L8
Fertilization, irrigation and yield of sheep pastures. (Rus) Kiriunova, A *Korma* 2: 34-35. Mar/Apr 1975

038058 SB193.A1L8
Green forage production line for sheep [Pasture management]. (Rus) Miagkov, V *Korma* 3: 15-16. May/June 1975

038059 SB193.A1L8
Irrigated alfalfa for hay meal [Culture, manufacture]. (Rus) Krylov, L; Asanov, P *Korma* 3: 20-21. May/June 1975

038060 SB193.A1L8
Main source of green fodders [Forage plant culture, pasturemanagement]. (Rus) Lobko, V; Voronin, N; Krasnokutskii, V *Korma* 2: 20-22. Mar/Apr 1975

038061 SB193.A1L8
Perennial grasses on peat-boggy soils [Yields]. (Rus) Chaev, E *Korma* 2: 38-39. Mar/Apr 1975

038062 SB193.A1L8
Productivity and feeding value of [sugar and forage] beet varieties and hybrids. (Rus) Tishchenko, A; Gor', A *Korma* 2: 40-41. Mar/Apr 1975

038063 SB193.A1L8
Productivity of forage plants on peat soils [Yields]. (Rus) Alekseev, E *Korma* 2: 29-30. Mar/Apr 1975

038064 SB193.A1L8
Sudangrass [Sorghum vulgare sudanense] in the Tambov Region [Yields, culture]. (Rus) Kuleshov, K; Molostov, G *Korma* 2: 28-29. Mar/Apr 1975

038065 SB193.A1L8
Two yields per year [Forage plants, pasture management]. (Rus) Medvedev, V *Korma* 2: 19-20. Mar/Apr 1975

038066 11 L2322
Seed harvest [Field crops]. (Dan) Andersen, S *Landbo Nyt* 29 (7): 397-399, 401-407. July 1975

038067 11 L2322
Winter crops [Wheat varieties]. (Dan) Thogersen, O *Landbo Nyt* 29 (8): 433-436. Aug 1975

038068 105.2 OR3
New cultural techniques and high forage production. (Dut) Lumkes, L M *Landbouwkd Tijdschr* 87 (1): 1. Jan 1975

038069 58.8 L2352
Mechanical harvesting of Brussels sprouts, with suggestionsfor cultural methods. (Dut) Buitelaar, B; Meeldijk, B P *Landbouwmechanisatie* 26 (9): 1003-1009. Eng. Sum. Sept 1975

038070 11 L236
New thoughts concerning the cultivation of forage grains. (Nor) Kanstad, T *Landbrukstidende* 81 (43): 926. Oct 25, 1975

038071 11 UP62
The effect of [field] crop rotation on yield variation in the light of results from some long-term rotation experiments. (Swe) Nystrom, S *Lantbrukshogsk Medd, Ser A* 251, 24 P. Ref. Eng. Sum. 1975

038072 73.8 L542
Problems of expanding kenaf growing [in the Uzbek SSR]. (Rus) Nazirov, Kh N *Len Konopliia* 3: 22-23. Mar 1975

038073 73.8 L542
PTP-1 works efficiently [Pickup device for harvesting fiber flax stems after dew retting]. (Rus) Semenov, I *Len Konopliia* 3: 35-36. Mar 1975

038074 73.8 L542
Stand density and the lodging of fiber flax plants. (Rus) Molkanov, L N *Len Konopliia* 3: 31-32. Mar 1975

038075 73.8 L542
The sowing of seed kenaf with broad interrow spacings. (Rus) Saidburkhanov, F *Len Konopliia* 3: 29-30. Mar 1975

038076 73.8 L542
The sowing rates of hemp seeds. (Rus) Demkin, A P; Bondarenko, A D *Len Konopliia* 3: 27-29. Mar 1975

038077 73.8 L542
Time of sowing fiber flax. (Rus) Dolgov, B S *Len Konopliia* 3: 26-27. Mar 1975

43.9 L932
Coastal Bermuda [Cynodon dactylon] for grazing and hay production [Feeding beef cattle]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 174-176. 1976

038078 43.9 L932
Economic forage production and utilization in Louisiana [Grazing management]. Monroe, W E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 31-34. 1976

038079 43.9 L932
Pasture management systems for improved calf production [Grazing]. Carpenter, J C Jr; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 35-37. 1976

038080 43.9 L932
Year round grazing with a beef cow herd [Pasture management]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 177-180. 1976

038081 58.8 D81
Why to grow catch crop? A feed and protein source from the farm. (Ger) Sprengel, A *Lohnunterne Land Forstwirtsch* 30 (7): 238-239. July 15, 1975

038082 9 T793
Performance of Setaria italica (L.) P. Beauv. (Foxtail millet) varieties for grain production. (Spa) Lagomarsino, E D; Ruben Prette, I; Rodriguez Rey, J C *Misc Univ Nac Tucuman Fac Agron Zootech* 51, 14 P. Eng. Sum. 1975

038083 S19.M9
A sample survey on the performance of high yielding and local paddy [rice] varieties in relation to the agronomic practices at Mangalore. Chandrasekhariah, A M; Bhadrayya, T; Shakuntalaraju,; Kulkarni, K R *Mysore J Agric Sci* 9 (3): 379-394. 1975

038084 S19.M9
Pattern of dry matter accumulation and distribution in finger millet genotypes in relation to levels of spacing and nitrogen. Puttaswamy, S; Krishnamurthy, K *Mysore J Agric Sci* 9 (3): 372-378. 1975

038085 24 N5623
Clitoria ternatea (L.) Due. As a forage and cover crop—a review. Crowder, L V *Niger Agric J* 11 (1): 61-65. Ref. Apr 1974

038086 SB215.C4
Development of the [sugarcane] variety situation from 1968 to 1974. (Fre) Robert, G *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (4): 1-6. Oct/Dec 1974

038087 SB215.C4
List of publications of the XV congress of the International Society of Sugar Cane Technologists held in Durban (South Africa) June 13 to 29, 1974. (Fre) *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (4): 7-12. Oct/Dec 1974

038088 SB215.C4
The 1974 [sugarcane] harvest in Guadeloupe. (Fre) Florentin, C; Vasseaux, J *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 72 (2): 1-3. Apr/June 1974

038089 SB215.C4
Total result of the 1974 [sugarcane] harvest. (Fre) Robert, G *Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique* 74 (2): 8-22. Apr/June 1974

038090 307.8 O154
Status report on sunflower as an oilseed [Culture]. Gandy, D E *Oils Oilseeds J* 28 (1): 19-26. July/Sept 1975

038091 77.8 OL2
Land preparation of Imperata savannah or grass pastures [which is to be planted in oil palm or coconut]. (Mul) Martin, G *Oleagineux* 30 (11): 467-470. Nov 1975

038092 10 OU8
Sugarcane agriculture in South Africa. Whitehead, C; Bond, G *Outlook Agric* 8 (4): 167-172. Ref. 1975

038093 100 N27O
Nebraska spring small grain variety tests, 1975. Dreier, A F; Schmidt, J W; Nelson, L A; Moomaw, R S; Nebraska Agricultural Experiment Station *Outstate Test Circ Nebr Agric Exp Stn* 169, 27 P. Map. Nov 1975

038094 100 N27O
Nebraska varietal tests of fall-sown small grains, 1975. Dreier, A F; Schmidt, J W; Nelson, L A; Grabouski, P H; Nordquist, P T; Nebraska Agricultural Experiment Station *Outstate Test Circ Nebr Agric Exp Stn* 168, 30 P. Map. Oct 1975

038095 64.9 IN7
The effect of boron on the yield and chemical composion of tobacco vegetative matter. (Pol) Oczos, A *Pamiet Pulawski* 62: 207-227. Ref. Eng. Sum. 1975

038096 20.5 P84
Rape problems at the IV International Congress in Giessen [as source of oil and high-protein feed]. (Pol) Dembinski, F; Rutkowski, A *Postepy Nauk Roln* 22 (2): 99-123. Ref. 1975

038097 20.5 P84
Significance of agroecotypes of cereals in the Carpathian region for cultivation and breeding. (Pol) Sawicki, J *Postepy Nauk Roln* 22 (1): 37-70. Ref. 1975

038098 56.9 SO3
Crop production function determinations [relating to maize yield] as influenced by irrigation and nitrogen fertilization using a continuous variable design. Bauder, J W; Hanks, R J; James, D W *Proc Soil Sci Soc Am* 39 (6): 1187-1192. Ref. Nov/Dec 1975

038099 281.9 B87
Preparation of soil and seeding of wheat. (Fre) Bodet, J M *Prod Agric Fr* 51 (177): 27-28. Oct 1, 1975

038100 281.9 B87
The forage cabbage [Cultivation]. (Fre) Raphalen, J L *Prod Agric Fr* 51 (179): 27. Nov 1, 1975

038101 281.9 B87
The 1975 wheat harvest. II. Quality of soft and hard wheats. (Fre) *Prod Agric Fr* 51 (178): 13-15. Map. Oct 15, 1975

038102 281.9 B87
1975 wheat harvest. (Fre) *Prod Agric Fr* 51 (177): 18, 23-24. Maps. Oct 1, 1975

038103 61.9 IN8PR
Report of acres applied for certification in 1975 by seed certification agencies. Garrison, R H comp; Newton, S B comp *Prod Publ Assoc Off Seed Certifying Agencies* 29, 131 P. 1975

038104 21 R862
A new variety of winter barley, Miraj 1. (Rum) Draghici, L; Bude, A *Prod Veg Cereale Plante Teh* 27 (8): 7-14. Eng. Sum. Aug 1975

038105 21 R862
Aspects of the cultivation of fiber flax in France. (Rum) Vasilica, C *Prod Veg Cereale Plante Teh* 26 (10): 40-43. Oct 1974

038106 21 R862
Aspects of winter wheat behavior in Moldavia in 1973/1974. (Rum) Valuta, G *Prod Veg Cereale Plante Teh* 26 (10): 8-12. Oct 1974

038107 21 R862
Behavior of winter wheat varieties under conditions of the agricultural year 1973/1974. (Rum) Torje, D *Prod Veg Cereale Plante Teh* 26 (10): 3-7. Oct 1974

038108 21 R862
Decisive methods to achieve high sunflower yields. (Rum) Vranceanu, A V *Prod Veg Cereale Plante Teh* 27 (2): 13-19. 1975

038109 21 R862
High yields of sugarbeet per hectare. (Rum) Bocanet, R *Prod Veg Cereale Plante Teh* 27 (8): 19-21. Aug 1975

038110 21 R862
Maximum yields of maize in 1975. (Rum) Sipos, G *Prod Veg Cereale Plante Teh* 27 (1): 20-26. 1975

038111 21 R862
Measures recommended for the cultivation of winter wheat under irrigation in spring 1975. (Rum) Paltineanu, R; Sipos, G; Vasiliu, M; Balan, C; Vines, G *Prod Veg Cereale Plante Teh* 27 (2): 20-23. 1975

038112 21 R862
Measures to be taken at harvesting of seed crops. (Rum) Dan, A *Prod Veg Cereale Plante Teh* 26 (9): 26-28. Sept 1974

038113 21 R862
New orientation and processes in cultivating tobacco sprouts in Romania. (Rum) Irimie, M *Prod Veg Cereale Plante Teh* 27 (2): 24-28. 1975

038114 21 R862
Optimum parameters of agricultural autumn works in cereal growing. (Rum) Hera, C; Picu, I *Prod Veg Cereale Plante Teh* 26 (9): 8-14. Ref. Sept 1974

038115 21 R862
Possibilities of mowing the crop remains in the field. (Rum) Bria, N *Prod Veg Cereale Plante Teh* 26 (8): 43-44. Aug 1974

038116 21 R862
Rapid seed multiplication of new varieties of cereals. (Rum) Pacurar, I; Tianu, A *Prod Veg Cereale Plante Teh* 26 (9): 21-25. Sept 1974

038117 21 R862
Research on the technology of maize growing under irrigation, in the Moldavian plain. (Rum) Pinzariu, D *Prod Veg Cereale Plante Teh* 27 (4): 7-12. Eng. Sum. 1975

038118 21 R862
Several methods of increasing the production of oil flax under conditions of the lowland Jijia-Bahlui. (Rum) Cantar, F; Pesteanu, V *Prod Veg Cereale Plante Teh* 26 (11): 10-16. Nov 1974

038119 21 R862
Several problems of increasing the beet production in Romania [Seed production]. (Rum) Stanescu, Z; Clotan, G; Codrescu, A *Prod Veg Cereale Plante Teh* 27 (2): 7-12. 1975

038120 21 R862
Soybean cultivation in stubble, under irrigation in Dobrudsha. (Rum) Enciu, M *Prod Veg Cereale Plante Teh* 27 (6): 10-16. Eng. Sum. June 1975

038121 21 R862
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. (Rum) Ceapoiu, N; Eustatiu, N; Draghici, L; Cosmin, O; Popa, G; Vranceanu, V; Vulpe, V; Varga, P; Kellner, E *Prod Veg Cereale Plante Teh* 27 (1): 13-19. Eng. Sum. 1975

038122 21 R862
Yields of 2900 kg soybeans per acre under without irrigation conditions. (Rum) Florescu, M *Prod Veg Cereale Plante Teh* 27 (4): 13-15. 1975

038123 6 T311
Hybrid wheat: what it can mean to you. Deterling, D *Prog Farmer (Birmingham)* 90 (9): 34, 50. Sept 1975

038124 S19.P7
Diversify cropping pattern in rabi by sowing raya [Leguminous oil crop]. Lobana, K S; Singh, M; Badwal, S S *Prog Farming* 12 (2): 13. Oct 1975

038125 S19.P7
During winter grow berseem [Egyptian clover] in napier bajra [pearlmillet] hybrid. Tiwana, M S; Puri, K P; Bains, D S *Prog Farming* 12 (2): 17. Oct 1975

038126 S19.P7
Hints for maximizing lucern yield. Tiwana, M S; Brar, S S *Prog Farming* 12 (3): 26. Nov 1975

038127 S19.P7
Lentil yield increases with Rhizobium inoculation. Kaul, J N; Sekhon, H S *Prog Farming* 12 (3): 17. Nov 1975

038128 64.9 W12
Winter barley, 1974 [Varieties]. (Dut) *Rassenber IVRO Wageningen (Inst Rassenonderz Landbouwgewassen)* 487, 2 P. Sept 1974

038129 64.9 W12
Winter wheat, 1974 [Varieties]. (Dut) *Rassenber IVRO Wageningen (Inst Rassenonderz Landbouwgewassen)* 489, 5 P. Sept 1974

038130 64.8 R18
Agrobiological and technological studies on new promising fiber flax varieties. (Bul) Botev, D; TSoneva, A; Chanev, K; Andreev, A; Spasov, G; Voinov, N; Kharalanov, V; Popgeorgiev, G *Rastenievud Nauk* 12 (7): 25-34. 1975

038131 64.8 R18
Changes in the microclimate of irrigated maize crop under the influence of some agrotechnical operations. (Bul) Vulchanov, D; Nikolov, G *Rastenievud Nauk* 12 (7): 52-59. Ref. Eng. Sum. 1975

038132 64.8 R18
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the 1000-grains weight and seed germination of wheat. (Bul) Kosturski, N; Iovcheva, S *Rastenievud Nauk* 12 (7): 35-42. Ref. 1975

038133 64.8 R18
Influence of the crop stand and fertilization on the yield of selfed maize lines. (Bul) Presolska, P *Rastenievud Nauk* 12 (6): 93-101. Ref. Eng. Sum. 1975

038134 64.8 R18
Mode and density of planting maize as a spray irrigated catch crop. I. (Bul) Bonev, M; IAneva, Z *Rastenievud Nauk* 12 (7): 68-75. Ref. Eng. Sum. 1975

038135 64.8 R18
Morphologo-anatomical features, yield and quality of Jebel Basma 359 tobacco variety as influenced by soil. (Bul) Perfanov, G; Doneva, M *Rastenievud Nauk* 12 (7): 10-18. Ref. Eng. Sum. 1975

038136 64.8 R18
On the optimum planting date of white lupine (Lupinus albusL.) grown for green matter in the Middle Rhodope Upland. (Bul) Ivanov, I A *Rastenievud Nauk* 12 (6): 108-116. 1975

038137 64.8 R18
Studies on irrigation, fertilization and planting density of the selfed maize line SH-144. (Bul) Dobrev, D; Pavlova, S *Rastenievud Nauk* 12 (7): 60-67. Ref. Eng. Sum. 1975

038138 64.8 R18
Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. (Bul) Topchieva, A; Georgiev, Z *Rastenievud Nauk* 12 (6): 32-40. Ref. Eng. Sum. 1975

038139 64.8 R18
Ultrasound effect on the growth, development and yield of sunflower. (Bul) TSvetkova, F *Rastenievud Nauk* 12 (6): 26-31. Eng. Sum. 1975

038140 S51.E22
Contribution of changes in yield to output and variability in trends for selected basic [field] crops. Purcell, J C; Elrod, J C; Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 216, 23 P. Nov 1975

038141 S51.E22
Corn and grain sorghum performance tests, 1976 [Varieties, yields]. Jellum, M D ed; Harris, H B ed; Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 219, 52 P. Maps. Jan 1976

038142 S51.E22
Field crops performance tests cotton-forage crops summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 218, 45 P. Jan 1976

038143 49 P943
A model to improve forages rationally for dairy cows [Pasture management]. (Rum) Ghica, I; Vatcu, M *Rev Cresterea Anim* 25 (7): 78-83. July 1975

038144 49 P943
Experience of the State Farm I.A.S. Tulucesti-Galati in elevating fodder and seed alfalfa. (Rum) Popa, V *Rev Cresterea Anim* 25 (7): 20-26. July 1975

038145 49 P943
New aspects concerning the cultivation of perennial gramineous plants for seed. (Rum) Popovici, D; Kellner, E; Varga, P; Timirgaziu, C; Lapusan, A; Ciubotaru, C; Breazu, I; Krauss, M; Dragomir, N *Rev Cresterea Anim* 25 (6): 5-19. June 1975

038146 49 P943
Possibilities of increasing the yields, the quality and the longevity in irrigated alfalfa crop. (Rum) Moga, I; Varga, P; Slusanschi, H; Ulinici, A; Enica, G *Rev Cresterea Anim* 25 (6): 20-23. June 1975

038147 49 P943
The optimum repartition of fodder crops on plots of land depending of the productive potential. (Rum) Otiman, P; Vrejba, S *Rev Cresterea Anim* 26 (5): 87-90. June 1975

038148 470 SCI25
Forage crops [Culture]. Hodgson, H J *Sci Am* 234 (2): 61-68, 74-75. Feb 1976

038149 SB117.S455
Cultivar identification and purity determination [Wheat, grasses]. Olsen, K J *Seed Sci Technol* 3 (3/4): 615-617. 1975

038150 SB117.S455
Differentiation of cultivars and cultivar groups of Poa pratensis by the fluorescence of their alkaline extracts. Elekes, P *Seed Sci Technol* 3 (3/4): 643-645. 1975

038151 SB117.S455
Identifying Kentucky bluegrass (Poa pratensis) cultivars by seed morphological characters. Niemyski, K; Grzelak, K *Seed Sci Technol* 3 (3/4): 625-641. Ref. 1975

038152 SB117.S455
Sugarbeet seed production in Egypt. el Bagoury, O H *Seed Sci Technol* 3 (3/4): 811-814. Ref. 1975

038153 9.3 SI4
Triticales in the south central zone of Chile [Yields]. (Spa) Aguayo Ch, L E *Simiente* 45 (2): 29-32. Apr/June 1975

038154 S13.S44
Effect of presowing treatments of seeds with chlorcholinechloride on the winter hardiness of winter wheat. (Rus) Varenitsa, E T; Zimina, T K; Zakharov, A I *S-kh Biol* 10 (2): 304-306. Mar/Apr 1975

038155 1.6 SO3S
Kleingrass on the move in west central Texas [Varieties]. Adams, C R; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 21. Jan 1975

038156 60.38 SO9
New variety rundown [Soybeans]. Graham, L *Soybean Dig* 36 (3): 8-9. Jan 1976

038157 60.38 SO9
Oklahoma searches for drought-resistant [soybeans] seed. *Soybean Dig* 36 (3): 23. Jan 1976

038158 SB123.A1S8
World prospects of triticale growing (review) [Culture, varieties]. (Cze) Zimova, D *Stud Inf, Rostl Vyroba* 2, 39 P. Ref. Eng. Sum. 1975

038159 66.8 SU34B
The beginning of White Satin sugar—the sugarbeet seed. Oldemeyer, D *Sugarbeet* 79: 18-19. Fall 1975

038160 9.6 SU7
Some notes on oilpalm cultivation in Surinam. (Dut) *Surinaam Landbouw* 23 (2): 85-90. Eng. Sum. 1975

038161 61.8 SV2
Can common flax become one of Sweden's oil plant crops? [Culture]. (Swe) Ohlsson, I *Sven Frotidn* 44 (11): 157-159. Nov 15, 1975

038162 61.8 SV2
Canadian report on sowing [oil plants] in the USSR. (Swe) Kahre, L *Sven Frotidn* 44 (4): 56-58. Apr 15, 1975

038163 61.8 SV2
Current notes on the cultivation of pasture seed. (Swe) Cedell, T *Sven Frotidn* 44 (5): 71-73. May 15, 1975

038164 61.8 SV2
Field seed harvest 1975. (Swe) Cedell, T *Sven Frotidn* 44 (11): 145-150. Nov 15, 1975

038165 61.8 SV2
Many new [field crop] varieties from Svalof. (Swe) Leisson, *Sven Frotidn* 44 (1): 8-9. June 15, 1975

038166 61.8 SV2
Problem of succession in the cultivation of oil plants. (Swe) Nystrom, S *Sven Frotidn* 44 (11): 150-152. Nov 15, 1975

038167 61.8 SV2
Problems in Danish [field] seed cultivation. (Swe) *Sven Frotidn* 44 (12): 166-167. Dec 15, 1975

038168 61.8 SV2
Time for pasture seed harvest. (Swe) Cedell, T *Sven Frotidn* 44 (7/8): 99-100, 102, 104. July 15, 1975

038169 61.8 SV2
Varieties of autumn rape. (Swe) Bengtsson, A *Sven Frotidn* 44 (6): 85-86. June 15, 1975

038170 61.8 SV2
Which row spacing is preferred for autumn oil plants? (Swe) Bengtsson, A *Sven Frotidn* 44 (6): 83-85. June 15, 1975

038171 11 T439
Barley, oats, and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. (Dan) Hostrup, S B; Molle, K G *Tidsskr Plant* 79 (5): 643-669. Ref. Eng. Sum. 1975

038172 SB111.A2T72
Simmondsia chinensis—a plant with future [Crop plant]. (Ger) Hoeppe, C *Tropenlandwirt* 76: 36-41. Eng. Sum. Oct 1975

038173 A99.9 F7632U
Ecology and management of Southwestern semidesert grass-shrub ranges: the status of our knowledge. Martin, S C; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 156, 39 P. Map. Ref. Nov 1975

038174 A99.9 F7632U
Range management in the chaparral type and its ecological basis: the status of our knowledge. Cable, D R; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 155, 30 P. Map. Ref. Oct 1975

038175 A99.9 F7632U
Range management in the central and southern Rocky Mountains: a summary of the state of our knowledge by range ecosystems. Paulsen, H A Jr; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 154, 34 P. Oct 1975

038176 105.9 L65V
Cereal varieties of Upper Austria—Salzburg (local varieties). (Ger) Schlachl, R *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 63-88. 1975

038177 20 AK16
Autumn tillage of soil and the application of green manure plants to cotton-alfalfa crop rotations. (Rus) Maksumov, A N; Rashidov, Kh I; Kolesnik, N D *Vestn S-kh Nauki (Alma-Ata)* 10: 49-55. Eng. Sum. Oct 1975

038178 20 AK16
Effect of electro-spark threshing on the sowing qualities of wheat seed. (Rus) Listov, P N; Ermokhin, V I; Buromskii, V I; Bogdanova, L I *Vestn S-kh Nauki (Alma-Ata)* 10: 88-93. Eng. Sum. Oct 1975

038179 20 AK16
Study of biological and commerical properties of new winter soft wheat varieties developed by interspecific hybridization. (Rus) Popov, P; TSvetkov, S; Gotsova, V; TSenov, A *Vestn S-kh Nauki (Alma-Ata)* 10: 56-60. Ref. Eng. Sum. Oct 1975

20 V82
Evaluating feed qualities of rye varieties. (Ukr) Koshelenko, O IU; Vlasenko, V O *Visn Sil's'kohospod Nauki* 11: 53-55. Nov 1975

038180 20 V82
Results of winter wheat variety testing from autumn fallow. (Ukr) Nikulin, N R; Kostromytin, V M; Demchenko, M F *Visn Sil's'kohospod Nauki* 10: 27-30. Oct 1975

038181 20 V82
Stubble crops of proso under irrigation. (Ukr) Sobko, O O; Levandovs'kyi, I L *Visn Sil's'kohospod Nauki* 11: 32-36. Nov 1975

038182 389.79 F98
The importance of Alpine pastures as managed ecosystems. (Ger) Spatz, G *Wirtschseig Futter* 21 (3): 264-273. Ref. Eng. Sum. Third Quarter 1975

038183 1 AG84Y
Golden beans from China now our no. 1 cash crop [Soybeans]. Howell, R W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 225-236. 1975

038184 1 AG84Y
Grass—the food factory that also fights drought. Moore, R A; Pates, J L; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 181-190. 1975

038185 18 J825
Effect of plant density and time of thinning on the yield of seed cotton and lint percentage of Egyptian cotton (Gossypium barbadense L.). Moursi, M A; el-Din, N A N; el-Bayoumy, K S *Z Acker Pflanzenbau* 141 (4): 256-263. Ref. Nov 1975

038186 281.8 Z32
The recent development of rice cultivation in the Soviet Union. (Ger) Stadelbauer, J *Z Ausl Landwirtsch* 14 (3): 249-266. Maps. Ref. Eng. Sum. July/Sept 1975

038187 281.8 Z32
Yield increase through identification of the most favourable sowing time [Rice]. (Ger) Kupper, B; Vieweg, B *Z Ausl Landwirtsch* 14 (3): 267-275. July/Sept 1975

038188 SB183.Z4
Agronomic techniques for cereal growing in Poland. (Rus) Strzelecki, A *Zern Maslichn Kul't* 8: 47-48. Aug 1975

038189 SB183.Z4
Buckwheat [growing] in Ukrainian forest-steppe zone. (Rus) Konstantinov, S I; Trigub, A S; Vasilenko, N M *Zern Maslichn Kul't* 8: 19-20. Aug 1975

038190 SB183.Z4
Comparative productivity of grain legumes [for food and feed, Mordvinian ASSR]. (Rus) Korabitskii, N K *Zern Maslichn Kul't* 8: 21. Aug 1975

038191 SB183.Z4
Could the seeds [of winter wheat] treated with [the growth inhibitor] Tur be stored for a long time? (Rus) Pikush, G R; Grinchenko, A L *Zern Maslichn Kul't* 9: 24-25. Sept 1975

038192 SB183.Z4
Effects of the date of sowing of Mironovskaia iubileinaia and Kavkaz varieties [of winter wheat on the yield and its quality]. (Rus) Kalashnikova, K V; Sopin, N E *Zern Maslichn Kul't* 8: 30-31. Aug 1975

038193 SB183.Z4
For weed-free stands of lupine. (Rus) Popov, F A; Kucheriavyi, V F *Zern Maslichn Kul't* 9: 35. Sept 1975

038194 SB183.Z4
Let us increase the production of buckwheat [in the Odessa province]. (Rus) Garaev, I S; Markov, A I; Skudarnov, V M; Kalus, IU A *Zern Maslichn Kul't* 9: 36-38. Sept 1975

038195 SB183.Z4
Mironovskaia wheat [variety]. (Rus) Kolomatskii, A V *Zern Maslichn Kul't* 9: 20-22. Sept 1975

038196 SB183.Z4
Moisture supply and plant productivity [Winter wheat, planting density]. (Rus) Bondarenko, V I; Povzik, M M *Zern Maslichn Kul't* 9: 28. Sept 1975

038197 SB183.Z4
The control of the quality of harvesting straw and chaff [of cereal crops]. (Rus) Ormandzhi, K S; Egorov, V G *Zern Maslichn Kul't* 7: 31. July 1975

038198 SB183.Z4
The duration of field operations and the yield of cereals. (Rus) Solov'ev, B F *Zern Maslichn Kul't* 7: 23-25. July 1975

038199 SB183.Z4
The frequency of sowing wheat in crop rotations and the quality of grain [in the Far East of USSR]. (Rus) Surzhukov, V P; Konechnaia, V P *Zern Maslichn Kul't* 8: 36-37. Aug 1975

038200 SB183.Z4
The optimum timing and ways of fall plowing for subsequent sowing of sunflowers. (Rus) Semikhnenko, P G; IAroslavskaia, P N; Riger, A N *Zern Maslichn Kul't* 9: 41-42. Sept 1975

038201 SB183.Z4
The production [of grain] of strong wheat [varieties] is increasing [in the Krasnodar territory]. (Rus) Fedoruk, P S; Grigor'ev, V I *Zern Maslichn Kul't* 9: 13-14. Sept 1975

038202 SB183.Z4
The tillage of a clean fallow for winter wheat. (Rus) Malykhin, I I *Zern Maslichn Kul't* 8: 15-16. Aug 1975

038203 SB183.Z4
The violation of the time limit [for harvesting] leads to losses of grain [of cereal crops]. (Rus) Osin, A E; Kukresh, L V *Zern Maslichn Kul't* 7: 29-30. July 1975

038204 SB183.Z4
The ways of increasing the production of sunflower [seeds]. (Rus) Borshch, S F; Makeev, V A *Zern Maslichn Kul't* 8: 39-41. Aug 1975

038205 SB183.Z4
What affects the yields of Belta [rye variety]. (Rus) Rogov, I E *Zern Maslichn Kul't* 7: 34-35. July 1975

038206 SB183.Z4
Wheat in cereal-sugarbeet crop rotation. (Rus) Zubenko, V F; Grekov, M A; IAkimenko, V N; Barshtein, L A; Tesel'ko, V L *Zern Maslichn Kul't* 8: 16-18. Aug 1975

038207 SB183.Z4
Winter wheat in the Rostov province. (Rus) Arzhenovskii, V N *Zern Maslichn Kul't* 7: 33-34. July 1975

038208 SB183.Z4
[Mechanical damage] to sunflower seeds [at harvesting]. (Rus) Proskurina, V L; Kashevatskaia, L A; Belokhvostikov, I I; Voskoboinikova, G V *Zern Maslichn Kul't* 9: 42-43. Sept 1975

038209 SB183.Z4
[Mechanical damage] to soybean seeds [at harvesting]. (Rus) Chalyi, I I *Zern Maslichn Kul't* 9: 43. Sept 1975

038210 SB183.Z4
[Sowing of winter wheat] after different preceding crops. (Rus) Krut', V M; Vyblov, B R; Vyblova, A V *Zern Maslichn Kul't* 8: 31-32. Aug 1975

038211 SB183.Z4
[Sowing winter wheat] after a clean and planted fallow. (Rus) Khomko, V G; Kalashnikova, K V *Zern Maslichn Kul't* 9: 26-27. Sept 1975

038212 SB183.Z4
53.8 centners per hectare [of winter wheat Mironovskaia 808variety]. (Rus) Orlov, V N; Zaichikov, B V; Sergeeva, O IA *Zern Maslichn Kul't* 9: 22-23. Sept 1975

038213 20.5 Z5
Alluvial process in reclamation of meadows in the Opatowka river valley. (Pol) Kern, H *Zesz Probl Postepow Nauk Roln* 169: 103-108. Ref. Eng. Sum. 1975

038214 20.5 Z5
Effect of reclamation and management on productivity and features of peatland meadows. (Pol) Olszewska, L *Zesz Probl Postepow Nauk Roln* 169: 41-48. Eng. Sum. 1975

038215 20.5 Z5
Occurrence and production potential of more important kinds of meadows in river valleys and their reclamation needs. (Pol) Grzyb, S *Zesz Probl Postepow Nauk Roln* 169: 63-72. 1975

038216 20.5 Z5
Problems of melioration and meadow management in river valeys; proceedings of a conference organized by the Committee for Melioration, Meadow Management and Peat Science in Wagrowiec, September 24-26, 1973. (Pol) *Zesz Probl Postepow Nauk* 169, 177 P. 1975

038217 20.5 Z5
Process of drying up and differentiation of peat bog meadows in the Notec river valley [Soils, reclamation]. (Pol) Roguski, W *Zesz Probl Postepow Nauk Roln* 169: 11-30. Ref. Eng. Sum. 1975

038218 65.8 Z82
Effect of plant density and row width on yield and quality of sugarbeet drilled to a stand. I. Stimulated plant spacing. (Ger) Winner, C; Merkes, R *Zucker* 28 (12): 655-660. Eng. Sum. Dec 1975

038219 65.8 Z82
Effect of plant density and row width on yield and quality of sugar beet drilled to stand. II. Plant spacing by drilling to a stand. (Ger) Winner, C; Merkes, R; Teichmann, R *Zucker* 29 (1): 2-8. Ref. Eng. Sum. Jan 1976

HORTICULTURAL CROPS —CULTURE

038220 S544.3.W6W53
Growing currants and gooseberries [Culture]. Klingbeil, G C; Koval, C F; Wade, E K; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1960, 6 P. Oct 1975

038221 19 AC8
Gyula Meszoly, 1910-1974 [Horticulturists]. Baldy, B *Acta Agron (Budap)* 24 (3/4): 251-255. 1975

038222 19 AC8
In vitro culture of ovaries of Rubus [raspberry] species. Zatyko, J M; Simon, I *Acta Agron (Budap)* 24 (3/4): 277-281. Ref. 1975

038223 100 W27A
Another bean for Washington [Varietal research]. Day, T L; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 8-9. Fall 1975

038224 10 G79LA
Seed potato sprouting [Glasshouses]. *Advis Leafl G B Minist Agric Fish Food* 504, Rev., 9 P. 1975

038225 S16.H8A32
Economic examination of vintage in a wide-spaced large-scale vineyard. (Hun) Albert, N *Agrar Tud Egy Kozl (Godollo)* P. 439-461. 1974

038226 S16.H8A32
Effect of pre-sowing gamma irradiation (60Co) [cobalt isotope] on yield development of earliest red radish (Raphanus sativus sub. var. radicula). (Hun) Pal, I; Maul, Mrs P O; Benedek, Mrs L M; Pannonhalmi, K; Szoke, P *Agrar Tud Egy Kozl (Godollo)* P. 271-285. 1974

S16.H8A32
Effect of spray fertilization on vitamin C content of greenpepper. (Hun) Fekete, L *Agrar Tud Egy Kozl (Godollo)* P. 201-209. Ref. 1974

038227 AZ733.N3A54
Bibliographical control of horticultural catalogs. Farley, R A; National Agricultural Library *Agric Libr Inf Notes* 1 (3): 1-2. Mar 1975

038228 22 AG832
Comparative evaluation of certain foreign cucumber varieties. Zafar, C A M *Agric Pak* 26 (1): 57-61. Mar 1975

038229 22 AG832
Correlation studies on Lycopersicon esculentum, Mill [Tomatoes, cultivation]. Baluch, Z A; Abidi, Z H *Agric Pak* 26 (1): 37-43. Mar 1975

038230 22 AG832
Influence of seed rate and sowing method on some quantititative characters in mash [Grain]. Mian, I A *Agric Pak* 26 (1): 31-36. Mar 1975

038231 22 AG832
Performance of 12 tomato varieties at Tandojam. Baluch, Z A M; Abidi, Z H *Agric Pak* 26 (1): 45-56. Ref. Mar 1975

038232 24 EG94
Seed production from Egyptian onion sets. Ahmed, F A; Abdel Razik, A; Elkafory, A K; Elgammal, M M *Agric Res Rev* 52 (8): 55-59. Aug 1974 (Pub. 1975)

038233 16 AG8226
Bacchus in Apulia [Grape culture, wine, history]. (Ita) Graioni, U; Benvenuti, B *Agricoltura* 24 (9): 70-75. Sept 1975

038234 16 AG8226
Landscape and flower culture in the prealpine lake zone. (Ita) Rasi, G *Agricoltura* 24 (7/8): 78-80. July/Aug 1975

038235 16 AG8226
The olive tree, an ancient plant with new problems [Culture]. (Ita) Fiorino,; Cucurachi, *Agricoltura* 24 (3): 89-96. Mar 1975

038236 16 AG8226
The soil of the vineyards has not been cultivated here for thirteen years. (Ita) Donini, P *Agricoltura* 24 (9): 87-90. Sept 1975

038237 16 AG8226
The wine cellar of Italy [Grape varieties, wine types]. (Ita) *Agricoltura* 24 (9): 75-86. Sept 1975

038238 15 AG84
Cherry harvesting in the Jerte Valley. (Spa) Miguel Diez, A *Agricultura (Madr)* 44 (521): 679-681. Sept 1975

038239 15 AG84
In search of new fruit varieties: nectarines. (Spa) Planell Serra, A de *Agricultura (Madr)* 44 (521): 673-674. Sept 1975

038240 15 AG84
Peach tree culture in Lerida. (Spa) Nadal Gaya, J M *Agricultura (Madr)* 44 (521): 659. Sept 1975

038241 15 AG84
The canning peach in Murcia [Culture, varieties]. (Spa) Flores Casanova, C *Agricultura (Madr)* 44 (521): 665-667. Sept 1975

038242 15 AG84
Use of the "direct sowing" method for planting a grove of almond trees [Prunus amygdalus, costs]. (Spa) Ramos Carmona, B *Agricultura (Madr)* 44 (521): 675-678. Sept 1975

038243 385 AG84
A closed continuous flow system for hydroponic culture in plant nutrition research. Leal, A; Gomez, M; Sanchez-Raya, A J; Recalde, L *Agrochimica* 19 (5): 408-411. Sept 1975

26 AG86
The influence of Sclerotium rolfsii, mulches and season on dwarf bean (Phaseolus vulgaris) yields in Western Samoa. (Fre) Reynolds, S G *Agron Trop (Paris)* 30 (3): 245-250. Ref. Eng. Sum. July/Sept 1975

038244 Z5996.F8A4
Bibliography of the international literature on sweet cherries. 2. (Ger) Debor, H W *Aktuel Litinf Obstbau Berlin Tech Univ Bibl* 42, 25 P. 1975

038245 390.9 AM33
Effect of pruning severity on the growth and fruit production of 'Thompson Seedless' grapevines. Lider, L A; Kasimatis, A N; Kliewer, W M *Am J Enol Vitic* 26 (4): 175-178. 1975

038246 390.9 AM33
Grape response to cooling with sprinklers. Aljibury, F K; Brewer, R; Christensen, P; Kasimatis, A N *Am J Enol Vitic* 26 (4): 214-217. Ref. 1975

038247 80 AM371
Approaches to home landscape design. 84. Developing doorwaydesigns. Hudak, J *Am Nurserym* 143 (1): 12, 134-135. Jan 1, 1976

038248 80 AM371
Ethrel as an aid in rooting [Horticulture]. Swanson, B T *Am Nurserym* 143 (1): 14-16, 92-95, 111. Ref. Jan 1, 1976

038249 80 AM371
Evaluation of Florida horticulture studies. Johnson, C R; Midcap, J T *Am Nurserym* 143 (1): 10, 62, 64. Jan 1, 1976

038250 80 AM371
Home landscape design. 85. A decade of development. Hudak, J *Am Nurserym* 143 (2): 12, 58-59. Jan 15, 1975

038251 80 AM371
Pieris 'Brouwer's Beauty': a spontaneous hybrid of Pieris floribunda and Pieris japonica. Jaynes, R A; Dunbar, D *Am Nurserym* 143 (2): 15, 54-55. Jan 15, 1975

038252 80 AM371
Results of landscape tree testing. Ticknor, R L *Am Nurserym* 143 (2): 10-11, 61-65, 68. Jan 15, 1975

038253 80 AM371
Seed source effects on sugar maple [Acer saccharum, culture]. Scanlon, D H *Am Nurserym* 143 (1): 13, 76-77. Jan 1, 1976

038254 80 AM371
Using taxus in the landscape. Lewis, C E *Am Nurserym* 143 (2): 8-9, 69-72. Jan 15, 1975

038255 75.8 P842
Effect of planting and harvest dates, location in the hill and tuber size on sugar content of Kennebec potatoes [in North Dakota]. Nelson, D C; Shaw, R *Am Potato J* 53 (1): 15-21. Jan 1976

038256 80 C733
Bedding plants [Ornamentals]. Carlson, W *Am Veg Grow* 24 (1): 47-48. Jan 1976

038257 80 C733
If not tomatoes...what else? [Vegetables]. Sheldrake, R Jr *Am Veg Grow* 24 (1): 40, 42. Jan 1976

038258 80 C733
Putting the finger on grower mistakes [Potatoes, production]. *Am Veg Grow* 24 (1): 12-13, 70. Jan 1976

038259 QK479.M5
Broad-leaved evergreens [Varieties]. Snyder, L C; Minnesota University Agricultural Extension Service *Arbor Rev Minn Univ Agric Ext Serv* 26, 2 P. 1975

038260 QK479.M5
Plants for fall color [Horticultural varieties]. Snyder, L C; Minnesota University Agricultural Extension Service *Arbor Rev Minn Univ Agric Ext Serv* 27, 2 P. 1975

038261 SD1.A68
Tree genera. 3. Acer—of the maple. Harris, J G S *Arboric Assoc J* 2 (9): 361-369. Sept 1975

038262 SD1.A68
Tree surveys—objectives and methods. Bridgeman, P H *Arboric Assoc J* 2 (9): 395-398. Sept 1975

038263 80 AR13
Pourella and Priam, two new apple varieties recently inscribed in the [French] Official Catalog. (Fre) Le Lezec, M; Bazin, J; Lespinasse, J M *Arboric Fruit* 22 (261): 29-31. Nov 1975

038264 80 AR13
The peach tree [Prunus persica] and its culture. (Fre) Gautier, M *Arboric Fruit* 22 (261): 17-27. (Continued) Nov 1975

038265 80 AR2
Preliminary results of trials on regulation of yields in apple trees by 2-chloroethylphosphonic acid. (Ger) Katzfuss, M; Schmidt, S; Buban, T *Arch Gartenbau* 23 (7): 401-405. Eng. Sum. 1975

038266 80 AR2
Studies on propagation of Ficus by hardwood cuttings. (Ger) Mohamed, B R; Shoushan, A A; Zakaria, A M *Arch Gartenbau* 23 (8): 499-506. Eng. Sum. 1975

038267 100 AR42F
Transplanting versus direct-seeding of processing tomatoes for once-over harvest. Tompkins, D R; Williams, J W; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 11. Sept/Oct 1975

038268 100 AR42F
Watermelon variety trials in Arkansas. Morelock, T E; Bowers, J L; Barber, D; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 10. Sept/Oct 1975

038269 80 AU73
"+ colchicine" [Varieties]. Dunn, M *Aust Orchid Rev* 40 (4): 190-191. Dec 1975

038270 80 AU73
Dendrobium speciosum—another point of view [Culture]. Jupp, N C *Aust Orchid Rev* 40 (4): 194-195, 197. Dec 1975

038271 80 AU73
Dendrobium speciosum and seed dispersal [Culture]. Morrison, G C *Aust Orchid Rev* 40 (4): 199, 201. Dec 1975

038272 S11.B43
The Cultural Planning Committee of the carnation [Dianthus caryophyllus] growers trade. (Dut) Achten, J M F H *Bedrijfsontwikkeling* 6 (7/8): 652-657. July/Aug 1975

038273 SB433.5.B6
Ben Takeye Suzuki—teacher [Bonsai]. Barry, R E *Bonsai J* 9 (4): 78-80, 93-94. Winter 1976

038274 SB433.5.B6
Microenvironmental design [Horticulture]. Snyder, L C Jr *Bonsai J* 9 (4): 75-77. Winter 1976

038275 SB433.5.B6
Sugi bonsai [Culture]. Fukumoto, D W *Bonsai J* 9 (4): 86, 95. Winter 1976

038276 QK73.K43B8
Future utilization of Indonesian orchid germ-plasms. Sastrapradja, S; Gandawidjaja, D *Bul Kebun Raya* 2 (2): 51-54. Ref. Aug 1975

038277 451 P383
Autumn sparkle from winterberry [Culture]. Koller, G *Bull Morris Arbor* 26 (4): 58. Dec 1975

038278 390.8 B87
Influence of modernizatin and intensification of culture on the economic results of production and on the characteristics of wine. Influence on consumption. (Fre) Kramartchuk, F; Puerta Romero, J; Veyrat Garcia, P *Bull O I V* 48 (537): 933-948. Nov 1975

038279 100 C12CAG
A comparison of two pruning methods on mature lemon trees. Burns, R M; Boswell, S B; Wear, S F; McCarty, C D; California Agricultural Experiment Station *Calif Agric* 29 (12): 16-17. Dec 1975

038280 100 C12CAG
Prediction of the first harvesting date of Creole onions inthe Palo Verde Valley of California. Cheyney, C C; Paulson, K N; California Agricultural Experiment Station *Calif Agric* 29 (12): 12-13. Dec 1975

038281 65.9 Q3C
The old nobles [Sugarcane varieties]. Willcox, T G *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 51-56. Oct 1975

038282 80 C352
Czechoslovakian mushroom culture and research results. (Ger) Stanek, M *Champignon* 171: 8, 10-12. Nov 1975

038283 80 C352
News from the Educational and Experimental Institute for Mushroom Culture of the Rhineland Chamber of Agriculture. (Ger) Lelley, *Champignon* 170: 9-11. Oct 1975

038284 80 C462
Situation and development trend of horticulture in Hungary. Somos, A *Chron Hortic* 15 (2): 17-20. Map. Sept 1975

038285 80 C462
State and development of vegetable production in the GermanDemocratic Republic. Vogel, G *Chron Hortic* 15 (2): 20-21. Sept 1975

038286 80 C498
Fall and winter grove practices. Jackson, L K *Citrus Veg Mag* 39 (2): 10, 35. Oct 1975

038287 80 C83
A new farming landscape? MacEwen, M *Ctry Life* 158 (4095): 1782-1784. Dec 25, 1975

038288 80 C83
Provencal passion for plants: the garden of the Chevre d'Or. Whitsey, F *Ctry Life* 159 (4097): 66-67. Jan 8, 1976

038289 TD202.E2
The horticultural experiment station of Mas Blanc-Alenya (Pyrenees-Orientales). (Fre) Brun, R *Eau Amenagement Reg Provencale* 6: 26-30. July/Sept 1975

038290 450 EC7
Cultivars of Chinese gooseberry (Actinidia chinensis) in New Zealand. Asthridge, S J *Econ Bot* 29 (4): 357-360. Oct/Dec 1975

038291 SB13.E35
Effect of garlic bulb crude extract on flowering, sex ratio and yield of squash. Abou Hussein, M R; Fadl, M S; Wally, Y A *Egypt J Hortic* 2 (1): 129-130. 1975

038292 SB13.E35
Ripening of date fruits as affected by ethephon. Khalfia, A S; el-Hammady, A A M; el-Hammady, M M; Wally, Y A *Egypt J Hortic* 2 (1): 83-102. Ref. 1975

038293 SB13.E35
Stock-scion relationship in some compatible and incompatible unions of nursery pear plants. Selim, H A; el-Azzouni, M M; Fouad, M M; el-Shurafa, S Y *Egypt J Hortic* 2 (1): 103-116. Ref. 1975

038294 SB438.A1E8
Kenyan succulents [Cultivation]. Brewerton, D V *Essex Suc Rev* 12 (4): 79-80. Dec 1975

038295 SB438.A1E8
My experiences of growing cacti from seed. Hooker, D *Essex Suc Rev* 12 (4): 72-75. Dec 1975

038296 S19.F37
Profitable santra [Mandarin oranges] cultivation. Patil, A V *Farmer Parliament* 10 (6): 17-18, 30. June 1975

038297 80 W41
Both concentration and quantity of retardant affect height of lilies [Culture]. Seeley, J G *Florists Rev* 157 (4073): 19, 67-70. Dec 25, 1975

038298 80 W41
Greenhouse heating efficiency. Carpenter, W J; Mecklenburg, R A; Carlson, W H *Florists Rev* 157 (4075): 31-32, 70-73. Jan 8, 1976

038299 80 F9464
A classification of hardy North American apple cultivars based on hardiness zones [Varieties]. Strang, J G; Stushnoff, C *Fruit Var J* 29 (4): 78-108. Maps. Ref. Oct 1975

038300 80 F9492
Earliness of production of the purple passion fruit Passiflora edulis Sims. in Reunion. Prospects for production. (Fre) Aubert, B *Fruits* 30 (9): 535-540. Map. Sept 1975

038301 80 F9492
Feasibility of producing grafted mangoes in Reunion. (Fre) Aubert, B *Fruits* 30 (7/8): 447-479. Maps. Ref. Eng. Sum. July/Aug 1975

038302 80 G1948
A method for determining carbon dioxide concentration [of interest to horticulture]. (Ger) Borner, F; Kubitz, K; Richter, P; Wickel, H; Felgentreu, C *Gartenbau* 22 (10): 313-314. Oct 1975

038303 80 G1948
Adequate planting and tending of [fruit] trees for early and high crop yields in new plantations. (Ger) Friedrich, G *Gartenbau* 22 (11): 336-337. Nov 1975

038304 80 G1948
Brief description of the major apple rootstocks. (Ger) Koch, H J *Gartenbau* 22 (9): 274-275. Sept 1975

038305 80 G1948
Chlorocholine chloride for better lodging resistace of choice carnations [Dianthus caryophyllus]. (Ger) Kunert, G *Gartenbau* 22 (11): 344. Nov 1975

038306 80 G1948
Greater demands for seed quality on the transition to industrial vegetable production. (Ger) Frohlich, H; Lanckow, J; Hubner, K *Gartenbau* 22 (8): 235-238. Aug 1975

038307 80 G1948
Gross Kreutz agrochemical centre advances scientific and technological progress also in the field of ornamental plant production. (Ger) Reinhold, J *Gartenbau* 22 (9): 276-278. Sept 1975

038308 80 G1948
Grossbeeren, unity of teaching and research in vegetable production. (Ger) Kramer, S; Geissler, T *Gartenbau* 22 (9): 264-265. Sept 1975

038309 80 G1948
Growing lettuce for harvest in February. (Ger) Kiffner, W; Wickel, H *Gartenbau* 22 (11): 330-332. Nov 1975

038310 80 G1948
Importance and fundamentals of forecasting the expected fruit size of apples. (Ger) Stolle, G; Schmidt, G *Gartenbau* 22 (11): 338-339. Nov 1975

038311 80 G1948
Improved orchids supply by large scale production with the application of modern cultivation methods. (Ger) Tschauder, G *Gartenbau* 22 (8): 248-250. Aug 1975

038312 80 G1948
Industrially organized production of cut orchid flowers with the example of Paphiopedilum. (Ger) Richter, W *Gartenbau* 22 (8): 251-252. Aug 1975

038313 80 G1948
Intensification of greenhouse tomato production in Leipzig county. (Ger) Krahnstover, K *Gartenbau* 22 (11): 328-330. Nov 1975

038314 80 G1948
New ornamental plant varieties in 1975. (Ger) Witt, H *Gartenbau* 22 (9): 280-281. Sept 1975

038315 80 G1948
New vegetable varieties in 1975. (Ger) Witt, H *Gartenbau* 22 (9): 279-280. Sept 1975

038316 80 G1948
Rationalization of transport of cucumber harvested in greenhouses. (Ger) Bottcher, J; Busch, M *Gartenbau* 22 (12): 382. Dec 1975

038317 80 G1948
Results and experience regarding the development of vegetable growing in the farming sector of Berlin. (Ger) Fritzsche, K H *Gartenbau* 22 (8): 233-235. Aug 1975

038318 80 G1948
Results and tasks of greenhouse vegetalbe production. (Ger) Gutgluck, F; Gohler, F *Gartenbau* 22 (11): 321-322. Nov 1975

038319 80 G1948
Results of cropping system trials with the apple combination 'Golden Delicious'/M9. (Ger) Schuricht, R *Gartenbau* 22 (9): 272-274. Sept 1975

038320 80 G1948
Results of long term tomato production in the greenhouse. (Ger) Kassler, D; Lutz, J *Gartenbau* 22 (11): 325-327. Nov 1975

038321 80 G1948
Suggestions and recommendations for completing the vegetable assortment [Cultivation]. (Ger) Vogel, G; Zimmermann, H *Gartenbau* 22 (12): 375-378. Dec 1975

038322 80 G1948
Tasks of forced and early vegetable production in Frankfurt(Oder) county to improve supplying the people in the German Democratic Republic, Berlin, and in the working class centers of Frankfurt County. (Ger) Schulz, S *Gartenbau* 22 (11): 323-325. Nov 1975

038323 80 G1948
Tasks on the development of the Oderbruch area into an areaof concentrated vegetable growing. (Ger) Schulz, S; Eitelgorge, A; Engel, E *Gartenbau* 22 (8): 231-233. Aug 1975

038324 80 G1948
The development of the Institute of Vegetable Production, Grossbeeren, a vivid example of the evolution of agricultural sciences in the German Democratic Republic. (Ger) Vogel, G; Dehne, J *Gartenbau* 22 (9): 260-263. Sept 1975

038325 80 G1948
Using ethephon for easier mechanical harvest of sweet cherries. (Ger) Stortzer, M *Gartenbau* 22 (9): 270-271. Sept 1975

038326 80 G1948
25th anniversary of the Institute of Vegetable Production, Grossbeeren, of the Academy of Agricultural Sciences of the German Democratic Republic. (Ger) Spaar, D *Gartenbau* 22 (9): 259-260. Sept 1975

038327 80 G1938
Harvesting methods for cauliflower. (Nor) Berntsen, R *Gartneryket* 65 (37): 587-589. Sept 12, 1975

038328 80 G1938
Introduction to hothouse gardening of the future. (Nor) Sandved, G *Gartneryket* 65 (33): 512-513. Aug 15, 1975

038329 80 G1938
"Summerred" and "Aroma" pointed out as other fruit varieties [Apples]. (Nor) *Gartneryket* 65 (38): 606-607. Sept 19, 1975

038330 80 G1938
Swedish hothouse research with lettuce indicates many promising varieties. (Nor) *Gartneryket* 65 (37): 590-591. Sept 12, 1975

038331 80 G1938
What the 1974 Horticultural Statistics tell about developmental trends in Norwegian berry culture. (Nor) Thorsrud, J *Gartneryket* 65 (38): 610, 612, 614, 616. Sept 19, 1975

038332 80 G1938
New plan for horticultural education involving practical experience as an important part. (Nor) Oydvin, J *Gartneryrket* 65 (39/40): 635-636, 654. Oct 3, 1975

038333 S16.G9G4
Some remarkable varieties of table plums cultivated in Greece. (Gre) Stylianides, D K; Mouchtoure-Stylianidou, Eu *Geoponika* (Ser. 3) 21 (226): 294-305. Ref. Eng. Sum. Sept/Oct 1975

038334 SB476.G7
Establishing turf under plastic. Robey, M *Grounds Maint* 10 (10): 32, 34, 54. Oct 1975

038335 SB476.G7
Mock-oranges in the landscape [Philadelphus, cultivars]. Baumgardt, J P *Grounds Maint* 10 (10): 21-22, 25. Oct 1975

038336 SB476.G7
Oleasters—overlooked landscape treasures [Elaeagnus, varieties]. Baumgardt, J P *Grounds Maint* 10 (11): 8-9. Nov 1975

038337 17 SCH9
Hans Spreng, 1901-1975, a pioneer of fruit culture and utilization [Horticulturists]. (Ger) Walen, H *Grune* 103 (52): 11-14, 20-29. Dec 26, 1975

038338 17 SCH9
Pruning in fruit orcharding. (Ger) Bauer, A *Grune* 104 (2): 19-21. Jan 9, 1976

038339 26 H27
Detachment and shedding of citrus fruit. (Heb) Goren, R *Hassadeh* 56 (2): 210-212. Nov 1975

038340 26 H27
Growing roses in containers. (Heb) Paz, U *Hassadeh* 56 (2): 231-232. Nov 1975

038341 26 H27
Research on subtropical fruit trees. (Heb) *Hassadeh* 56 (2): 223. Nov 1975

038342 26 H27
Seasonal notes [Vegetables, cultivation]. (Heb) Peicher, J; Natav, Y; Ayalon, A *Hassadeh* 56 (2): 177-184, 186-189. Nov 1975

038343 26 H27
Seasonal notes for citrus growers. (Heb) *Hassadeh* 56 (2): 199-202. Nov 1975

038344 26 H27
Seasonal notes for fruit growers. (Heb) Zerem, A *Hassadeh* 56 (2): 214-217. Nov 1975

038345 26 H27
Seasonal notes for hothouses [Greenhouses]. (Heb) Harkavi, Y *Hassadeh* 56 (2): 225-230. Nov 1975

038346 26 H27
Some examples of the successful introductions or ornamentals. (Heb) Benjamin, R *Hassadeh* 56 (2): 309-310. Nov 1975

038347 26 H27
The ornamental garden as winter approaches. (Heb) Zeidenberg, D *Hassadeh* 56 (2): 306, 308-309. Nov 1975

038348 26 H27
The relative advantage of sowing large seeds of cucumbers. (Heb) Gelmond, H; Peles, R *Hassadeh* 56 (2): 192-196. Eng. Sum. Nov 1975

038349 26 H27
What's new in growing cos lettuce? [Varieties]. (Heb) Aviram, H *Hassadeh* 56 (2): 190-191. Nov 1975

038350 1 AG84HG
Growing Gardenias [Culture]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 152, Slightly Rev., 8 P. Oct 1975

038351 1 AG84HG
Growing ground covers [Varieties]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 175, 16 P. Map. 1975

038352 SB403.H6
Increasing trunk caliper by heading back laterals [Lagerstroemia speciosa, culture]. Criley, R A; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 1. Sept 1974

038353 SB403.H6
Panax [Polyscias] propagation. Fukuda, S; Rauch, F D; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 2. Sept 1974

038354 SB403.H6
Rhododendrons in Hawaii [Varieties]. Criley, R A; Parvin, P E; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 25: 1-2. Aug 1975

038355 87 G75
Comparative study of U-shaped top and palmate trained treesof the Dixie Gem peach variety. (Bul) Mitov, P; Pepeliankov, G; Dimov, N; Gurnevski, V *Hortic Vitic Sci* 12 (5): 36-40. Eng. Sum. 1975

038356 87 G75
Establishing a suitable method of reconstructing existing vineyards of the Cabernet Sauvignon grape variety with inter-row space of 2 meters. (Bul) Pavlov, N *Hortic Vitic Sci* 12 (5): 93-102. Ref. 1975

038357 SB1.H6
A high-density peach orchard [Planting, pruning, Canada]. Phillips, J H H; Weaver, G M *Hortsci* 10 (6): 580-582. Dec 1975

038358 SB1.H6
Acclimatization of [ornamental] tropical trees for interior use [Ficus benjamina, Brassaia actinophylla]. Conover, C A; Poole, R T *Hortsci* 10 (6): 600-601. Dec 1975

038359 SB1.H6
Carotenoids of pecan nutmeats [Carya illinoinensis, varieties]. Senter, S D *Hortsci* 10 (6): 592. Dec 1975

038360 SB1.H6
Celery yield increased by sowing germinated seeds. Biddington, N L; Thomas, T H; Whitlock, A J *Hortsci* 10 (6): 620-621. Dec 1975

038361 SB1.H6
Defoliation [with urea] and fruit set in guava. Shigeura, G T; Bullock, R M; Silva, J A *Hortsci* 10 (6): 590. Dec 1975

038362 SB1.H6
Ethylene-releasing compounds to loosen olive fruits for mechanical harvesting [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. Vitagliano, C *Hortsci* 10 (6): 591. Dec 1975

038363 SB1.H6
High density "tree walls" [in apple and peach orchards]. Emerson, f H; Hayden, R A *Hortsci* 10 (6): 550. Dec 1975

038364 SB1.H6
Rooting of cuttings from tops and stumps of American elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. Schreiber, L R; Kawase, M *Hortsci* 10 (6): 615. Dec 1975

038365 SB1.H6
Stimulation of pepper seed germination by sodium hypochlorite treatment. Fieldhouse, D J; Sasser, M *Hortsci* 10 (6): 622. Dec 1975

038366 SB1.H6
Tree density affects large-root distribution of 'Washington' navel orange trees. Boswell, S B; McCarty, C D; Lewis, L N *Hortsci* 10 (6): 593-595. Dec 1975

038367 SB1.H6
Vladimir, a promising dwarfing rootstock for sweet cherry. Ryugo, K; Micke, W *Hortsci* 10 (6): 585. Dec 1975

038368 SB52.G43F6
Adult education [for grape growers]. (Ger) Zorcher, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 72-79. 1974

038369 SB52.G43F6
Alumni association, a binding link between research, education and practice [Viticulture, horticulture]. (Ger) Schumann, F *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 47-51. 1974

SB52.G43F6
Ecological aspects of work concentration [in viticulture]. (Ger) Porsch, M *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 146-151. 1974

038370 SB52.G43F6
Focal points of [grape] cultivation. (Ger) Fader, W *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 81-101. Ref. 1974

038371 SB52.G43F6
On the significance of research in viticulture. (Ger) Renz, F *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr-Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 132-135. 1974

038372 SB52.G43F6
Results of research in horticulture and apiculture. (Ger) Schwarz, K G; Funke, W *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 116-131. Ref. 1974

038373 SB52.G43F6
The history of the National Educational and Research Institute [for Viticulture and Horticulture]. (Ger) Ehrenhardt, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 13-46. 1974

038374 S471.I4S92
Green Revolution—outlook of a horticulturist. Mukherjee, S K *In Symp on Green Revolution* P. 141-145. 1974

038375 22 IN283
Kufri jyoti pays high dividends in the south [Potatoes]. Azariah, M D *Indian Farming* 25 (7): 19. Oct 1975

038376 HD9000.1.I53
Lettuce handling systems [Harvesting]. Johnson, S S; Zahara, M *Int Conf Handling Perish Agric Commod* 27th: 32. 1975

038377 HD9000.1.I53
Production of desert lettuce. Oebker, N F *Int Conf Handling Perish Agric Commod* 26th: 18-21. Map. 1974

038378 HD9000.1.I53
The Iceberg Lettuce Research Program. Englund, W *Int Conf Handling Perish Agric Commod* 27th: 29. 1975

038379 22 IN8
Greens to flavour your dishes [Cultivation]. Ram, K *Inten Agric* 13 (2): 8-11. Apr 1975

038380 S19.178
Citrus fruit in Israel. *Isr Agric* P. 39-50. Autumn/Winter 1975

038381 16 IT1
Citrus growing in Corsica; notes from a study trip. (Ita) Deidda, P; Pala, M *Ital Agric* 112 (6): 38-46. Map. June 1975

038382 16 IT1
First experiences in the cultivation of Actidinia [chinensis] in Romagna. (Ita) Zuccherelli, G *Ital Agric* 112 (10): 109-114. Ref. Oct 1975

038383 16 IT1
Late-ripening peach cultivars: remarks on some new cultivars that should replace the [variety] J. H. Hale [in Italy]. (Ita) Bellini, E *Ital Agric* 112 (6): 84-89. Ref. June 1975

038384 16 IT1
Mechanized harvesting of plums for processing; results of trials with a prototype [of machinery] constructed by the Institute of Fruit Culture of the University of Bologna. (Ita) Baraldi, G; Costa, G; Sansavini, S *Ital Agric* 112 (6): 100-109. June 1975

038385 16 IT1
Peach [varieties] for consumption and for processing, nectarines: situation and prospects for culture in Italy, according to results of a special survey. (Ita) Fideghelli, C; Monastra, F *Ital Agric* 112 (5): 72-102. Maps. Ref. May 1975

038386 16 IT1
Predictions after the show "Floralies de Gand": outlook for flower culture [in Western Europe]. (Ita) Coggiatti, S *Ital Agric* 112 (6): 32-37. June 1975

038387 16 IT1
Varietal trials of miniature carnation cultivars [Dianthus caryophyllus]. (Ita) Garibaldi Accati, E *Ital Agric* 112 (6): 110-114. Ref. June 1975

038388 10 J822
The effect of sowing date and season on the development and yield of navy beans (Phaseolus vulgaris) in south-east England. Scarisbrick, D H; Carr, M K V; Wilkes, J M *J Agric Sci (Camb)* 86 (1): 65-76. Feb 1976

038389 10 J822
The relationship between crop yield (or mean plant weight) of lettuce and plant density, length of growing period, and initial plant weight. Scaife, M A; Jones, D *J Agric Sci (Camb)* 86 (1): 83-91. Ref. Feb 1976

038390 8 P832J
Effect of plant density on yield and other quantitative characters of the Maricongo plantain (Musca acuminata X Musca balbisiana, AAB). Irizarry, H; Green, J J; Hernandez, I *J Agric Univ P R* 59 (4): 245-254. Oct 1975

038391 SB436.J6
Arboreta: communicate or perish [Education]. Ching, F *J Arboric* 1 (9): 161-166. Ref. Sept 1975

038392 SB436.J6
Area as an information clearinghouse [for research in arboriculture]. Johns, H R *J Arboric* 2 (1): 17-19. Jan 1976

038393 SB436.J6
Pruning fundamentals [Trees]. Harris, R W *J Arboric* 1 (12): 221-226. Dec 1975

038394 450 J8223
A new cultivar of presumable hybird between Camellia japonica and Camellia sasanqua. (Jpn) Tuyama, T; Yamazaki, F *J Jap Bot* 50 (11): 336-340. Ref. Eng. Sum. Nov 1975

038395 80 K122
Apple varieties and culture in China. (Jpn) Yamamoto, S *Kajitsu Nippon* 30 (1): 90-94. Jan 1975

038396 80 K122
Effect of abnormal climate on fruit culture. (Jpn) Nakagawa, K *Kajitsu Nippon* 30 (1): 60-64. Jan 1975

038397 80 K122
New method for pear grafting. (Jpn) Watanabe, K *Kajitsu Nippon* 30 (2): 22-25. Feb 1975

038398 80 K122
Overwintering of Hassaku oranges on trees. (Jpn) Tomita, E *Kajitsu Nippon* 30 (2): 60-64. Feb 1975

038399 80 K122
Present situation on grape culture in Europe. (Jpn) Sawanobori, S *Kajitsu Nippon* 30 (2): 46-52. Feb 1975

038400 80 K122
Thinning technique for densely planted citrus trees in orchard. (Jpn) Miyoshi, J *Kajitsu Nippon* 30 (2): 17-21. Feb 1975

038401 80 K122
Varietal renewal and disease control in citrus culture. 1. (Jpn) Yamada, S *Kajitsu Nippon* 30 (1): 96-104. Jan 1975

80 K122
Varietal renewal and disease control in citrus culture. 2. (Jpn) Yamada, S *Kajitsu Nippon* 30 (2): 26-31. Feb 1975

038402 75.8 K145
Producing plant seed potatoes in the Netherlands. (Ger) Kratzig, P *Kartoffelbau* 26 (9): 273. Sept 1975

038403 11 UP62
Growing potatoes for alcohol production; results of an inventory [Culture]. (Swe) *Lantbrukshogsk Medd, Ser A* 249, 34 P. Eng. Sum. 1975

038404 450 L33
A plant for a contained atmosphere [Begonia prismatocarpa, culture]. Provine, J *LASCA Leaves (Los Ang State Cty Arbor)* 25 (4): 108-109. Dec 1975

038405 275.29 G29L
Growing muscadine grapes at home. Ferree, M E; Georgia University Cooperative Extension Service *Leafl Coop Ext Serv Univ Ga Coll Agric* 225, 8 P. Apr 1975

038406 HD1987.L35
Young people for agriculture and horticulture. Report of (a) an inquiry of 1,000 agricultural businesses; (b) and inquiry of 1400 students of agricultural and horticultural. (Dut) Kloprogge, J J J *Meded Overdrukken Landbouw Econ Inst* 129, 44 P. Map. July 1975

038407 105.9 K696
Affinity conditions in the grape varieties of southern Moravia. (Ger) Blaha, J *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 181-186. Eng. Sum. 1975

038408 105.9 K696
Graft combinations of a number of cultivated hazelnut varieties on the rootstock Corylus colurna L. (Ger) Maurer, K J *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 225-228. Eng. Sum. 1975

038409 105.9 K696
Variety verifications of sweet cherries. (Ger) Plock, H *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 221-224. Eng. Sum. 1975

038410 105.9 K696
Investigations on the effect of training on the grape structure of variety Veltliner Fruhrot. (Ger) Slesinger, Z *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 271-278. Ref. July 1975

038411 105.9 K696
Previous experience with the chemical defoliation of vines to facilitate grape harvesting. (Ger) Mullner, L; Schmuckenschlager, J *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 253-264. Eng. Sum. July 1975

038412 105.9 K696
Stabilization of harvest of the [grape[variety Neuburger by means of inhibiting substances and spraying with ammonium molybdate. (Ger) Kraus, V; Glos, L *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 265-270. Eng. Sum. July 1975

038413 105.9 K696
Timing and extent of pruning. (Ger) Maurer, K J *Mitt Rebe Wien Ostbau Fruchteverwert* 25 (4): 313-320. Eng. Sum. July 1975

038414 100 T31M
Vegetable gardening in containers [Culture]. Cotner, S; Texas Agricultural Experiment Station *MP Tex A M Univ Tex Agric Exp Stn* 1150, 13 P. Mar 1975

038415 SB353.M8
The mushroom industry in the United States and Canada. 5. Growing and picking. White, I R *Mushroom J* 33: 307-308. Sept 1975

038416 23 N4892
Effect of defoliation, shading, and tipping of shoots on flower bud development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). Brundell, D J *N Z J Agric Res* 18 (4): 365-370. Ref. Nov 1975

038417 80 N81
A rarely seen small perennial [Lewisia] in the southwesternarea of Norway [Varieties]. (Nor) Hoie, T *Nor Hagetid* 91 (12): 378-379. Dec 1975

038418 80 N81
Fruit [growing] in interior districts. (Nor) Tveito, D *Nor Hagetid* 91 (12): 370-371. Dec 1975

038419 80 N81
Holly [Ilex aquifolium]. Can it be cultivated outside its usual area? (Nor) Moe, D *Nor Hagetid* 91 (12): 376. Map. Dec 1975

038420 80 N81
Ideas for growing Hydrangea. (Nor) Lono, K *Nor Hagetid* 91 (12): 384-385. Dec 1975

038421 80 N81
The pensioner—leisure time problem? [Horticulture]. (Nor) Tveito, S *Nor Hagetid* 91 (12): 398-399. Dec 1975

038422 77.8 OL2
The hybrid Port-Bouet 121. New results [Copra]. (Fre) Nuce de Lamothe, M de; Rognon, F *Oleagineux* 30 (11): 457-465. Eng. Sum. Nov 1975

038423 80 OR172
Paphiopedilum hookerae: a Bornean rarity with note of a newcollection. Schaffer, N K *Orchid Dig* 39 (5): 164-169. Map. Sept/Oct 1975

038424 80 OR172
Paphiopedilum volonteanum (Sander) Pfitz. 1890 [Plant introduction]. Fowlie, J A *Orchid Dig* 39 (5): 170. Sept/Oct 1975

038425 10 OU8
Maximum potato yield in the United Kingdon. Evans, S A *Outlook Agric* 8 (4): 184-187. 1975

038426 281.9 L230
Research concerning the production of cut anthuriums [Anthurium andreanum] in the South Holland glasshouse district, crop year 1974 [Yield]. (Dut) *Overz Landbouw Econ Inst* 639, 52 P. May 1975

038427 80 P39
Ornamental plants in containers. (Fre) Henry, E *Pepinier Hortic Maraich* 161: 13, 15-16. Nov 1975

038428 80 P39
Present situation and prospects of cultivated mushrooms. (Fre) Laborde, J *Pepinier Hortic Maraich* 161: 37-43. (Continued) Ref. Nov 1975

038429 80 P39
Test of varietal behavior of lettuce under shelter. (Fre) Peron, J Y *Pepinier Hortic Maraich* 161: 21-26. Nov 1975

038430 80 P39
What should one think of Belgian horticulture? (Fre) Angiboust, A; Ravel d'Esclapon, G de *Pepinier Hortic Maraich* 161: 47-55. Nov 1975

038431 275.29 IO9PA
Home grounds planning worksheet [Landscaping]. Olson, J E; Herman, J C; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 612, 6 P. Dec 1975

038432 80 P932
South Carolina palms [Palmae introduction]. Shoemaker, A H *Principes* 19 (4): 147-149. Oct 1975

038433 S19.P7
Grow karonda [Carrissa carandas] for fruit and as a hedge. Grewal, S S; Singh, G *Prog Farming* 12 (2): 19. Oct 1975

038434 S19.P7
Increasing wheat production through effective seed control. Gill, H S; Brar, L S *Prog Farming* 12 (2): 5-6. Oct 1975

038435 S19.P7
Punjab sunehri—a new variety of muskmelon. Nandpuri, K S; Singh, S; Lal, T *Prog Farming* 12 (3): 21-23. Nov 1975

038436 S19.P7
Reset problem in orchards [Culture]. Nijjar, G S *Prog Farming* 12 (3): 15. Nov 1975

038437 S19.P7
Selection 233—an excellent carrot variety for the plains. Brar, J S; Nandpuri, K S; Kumar, J C *Prog Farming* 12 (2): 28. Oct 1975

038438 S19.P7
Tips for celery cultivation. Bains, D S; Singh, R; Singh, J *Prog Farming* 12 (2): 16. Oct 1975

038439 275.29 M313
Lawns: preparation and care. Weir, F J *Pub (Manit Dep Agric)* 233, Rev., 12 P. 1975

038440 275.29 M313
Roses for Manitoba [Culture]. Weir, F J *Pub (Manit Dep Agric)* 329, Rev., 12 P. 1975

038441 7 C16PU
Growing and using fababeans [as feed]. *Publ Agric Can* 1540, 21 P. 1975

038442 7 C16PU
Growing garden potatoes. Chong, C *Publ Agric Can* 1559, 14 P. 1975

038443 7 C16PU
How to grow mushrooms [Culture]. Tape, N W *Publ Agric Can* 1205, Rev., 14 P. 1975

038444 7 C16PU
Rhododendrons in the Atlantic Provinces [culture]. Craig, D L *Publ Agric Can* 1303, Rev., 25 P. Map. 1975

038445 81 AM398
Elepidote rhododendrons at Winterthur [Culture]. Bruce, H *Q Bull Am Rhodod Soc* 30 (1): 25-31. Winter 1976

038446 SB23.C6A3
Annotated bibliography on fenugreek (Trigonella foenum-graecum), 1969-1975. *Query File Commonw Bur Hortic Plant Crops* 17/75, 4 P. May 1975

038447 SB23.C6A3
Annotated bibliography on vegetative propagation of bananas, 1960-1974. *Query File Commonw Bur Hortic Plant Crops* 18/75, 4 P. May 1975

038448 SB23.C6A3
Annotated bibliography on substrates and nutrients for orchid culture including references to seed germination, 1969-1974. *Query File Commonw Bur Hortic Plant Crops* 14/75, 8 P. Apr 1975

038449 SB23.C6A3
Annotated bibliography on transplanting mature trees, 1932-1975. *Query File Commonw Bur Hortic Plant Crops* 16/75, 4 P. May 1975

038450 SB23.C6A3
Annotated bibliography on mushroom culture in countries with warm climates, 1971-1975. *Query File Commonw Bur Hortic Plant Crops* 12/75, 1 P. Apr 1975

038451 64.8 R18
Studies on the cultural procedures of grain bean as an irrigated catch crop. (Bul) Radkov, P; Patenova, G *Rastenievud Nauk* 12 (7): 76-83. Ref. Eng. Sum. 1975

038452 100 OK4M
Container grown tree seedlings [Ornamental Quercus]. Hathaway, R D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 25-30. Oct 1975

038453 100 OK4M
Effects of black plastic and mulches on growth and survival of landscape plants [Culture]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 11. Oct 1975

038454 100 OK4M
Effects of propagation container size on top and root development of tree seedlings [Cultivation of horticultural plants]. Davis, R E; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 21-24. Oct 1975

038455 100 OK4M
Effects of pruning severity and frequency and fertilizer levels on growth and quality of Juniperus chinensis varieties 'Pfitzeriana' and 'Hetzi'. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 30-32. Oct 1975

038456 100 OK4M
Nursery Research Field Day [Culture of ornamental plants]. Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724, 55 P. Oct 1975

038457 100 OK4M
The introduction, growth and landscape performance of new plants for Oklahoma [Ornamental plant varieties]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 5-7. Oct 1975

038458 9 R3222
In vitro tissue culture of sweetpotatoes, Ipomoea batatas (L.) Lam., for the production of new cultivars. (Spa) Antoni, H J; Folquer, F *Rev Agron Noroeste Argent* 12 (1/2): 177-178. 1975

038459 9 R3222
Obituaries: Jorge Toll Jubes (1931-1975) [Horticulturists, Argentina]. (Spa) Nasca, A J *Rev Agron Noroeste Argent* 12 (1/2): 183-184. 1975

038460 80 R3212
The school and cultivation sites [Horticulture]. (Fre) Damay, A; Frey, M *Rev Hortic Suisse* 48 (9): 245-247. Sept 1975

038461 TP546.A1R43
A first glimpse of the 1975 [grape] harvest. *Rev Vin Fr. Engl Lang Ed* 49 (255): 7-10. Nov/Dec 1975

038462 86 R22
Agronomic investigations on cultivars of table broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on deep-freezing of their beans. (Ita) Sciortino, A *Riv Ortoflorofruttic Ital* 59 (3): 184-197. Eng. Sum. May/June 1975

038463 86 R22
Effects of harvesting methods on the quality of the canned peaches [Damage, keeping quality]. (Ita) Bazzocchi, R; Marangoni, B; Zocca, A *Riv Ortoflorofruttic Ital* 59 (3): 204-209. Eng. Sum. May/June 1975

038464 86 R22
Further experimental contributions to using plastic films for bleaching and mulching chicory (Cichorium intybus L.), variety Variegato di Castelfranco. (Ita) Pimpini, F *Riv Ortoflorofruttic Ital* 59 (3): 149-161. Eng. Sum. May/June 1975

038465 80 SA15
Black currant production on an industrial basis [in East Germany]. (Rus) Noibon, G; Noimann, U *Sadovod Vinograd Vinodel Mold* 7: 59-61. July 1975

038466 80 SA15
Culture of grape seedlings in assembled film frame greenhouses. (Rus) Gromakovskii, I K; Terekhov, I I; Shkiopu, V V *Sadovod Vinograd Vinodel Mold* 8: 56-57. Aug 1975

038467 80 SA15
Dry binding of grapevines of table grape varieties. (Rus) Terekhov, I I *Sadovod Vinograd Vinodel Mold* 8: 16-19. Aug 1975

038468 80 SA15
Effect of grafting dates on the growing together of rootstock and scion [Grapes]. (Rus) Syrbu, I G *Sadovod Vinograd Vinodel Mold* 8: 35-38. Aug 1975

038469 80 SA15
Effect of mechanized tree pruning on yield of mazzard cherries. (Rus) Vatamaniuk, G V *Sadovod Vinograd Vinodel Mold* 7: 53-55. July 1975

038470 80 SA15
Horticulture and viticulture—branches of agriculture with good prospects for the future. (Rus) Platon, M S *Sadovod Vinograd Vinodel Mold* 7: 5-6. July 1975

038471 80 SA15
Mazzard cherries in various soils of the foothills of Dagestan. (Rus) Rizvanov, A M *Sadovod Vinograd Vinodel Mold* 7: 52-53. July 1975

038472 80 SA15
Mechanized testing of grafted grape seedlings in cross-section [Propagation]. (Rus) Bradu, N V; Shkiopu, V V *Sadovod Vinograd Vinodel Mold* 8: 44-45. Aug 1975

038473 80 SA15
On grafting dates for Juglans regia. (Rus) Pikhut, M S *Sadovod Vinograd Vinodel Mold* 8: 38-40. Aug 1975

038474 80 SA15
On newly bred varieties of mazzard cherries in the southern Ukraine. (Rus) Turovtsev, N I *Sadovod Vinograd Vinodel Mold* 8: 13-15. Aug 1975

038475 80 SA15
Relative fruit-bearing of apple tree varieties. (Rus) Mamaeva, Z G *Sadovod Vinograd Vinodel Mold* 7: 15-18. July 1975

038476 80 SA15
Training of vines on parental stocks of intensive-type scion grapevines. (Rus) Ursu, V A; Stratu, S I *Sadovod Vinograd Vinodel Mold* 7: 7-9. July 1975

038477 80 SA15
Viticulture in the United States of America. (Rus) Kozub, G I *Sadovod Vinograd Vinodel Mold* 8: 58-62. Aug 1975

038478 80 SCH9
A new possibility of permanently tying [fruit] trees in dense plantings. (Ger) Krebs, C; Wirth, A *Schweiz Z Obst Weinbau* 111 (26): 673-675. Dec 13, 1975

038479 80 SCH9
Grapes in western Switzerland in 1975. (Ger) Jaquinet, A *Schweiz Z Obst Weinbau* 111 (22): 566-568. Oct 18, 1975

038480 80 SCH9
What is the nature and intent of the basic plan for Swiss dessert apple production? (Ger) Spreng, A *Schweiz Z Obst Weinbau* 111 (22): 561-566. Oct 18, 1975

038481 S217.A4
Self blanching celery—protected cropping [Greenhouse culture]. *Short Term Leafl Minist Agric Fish Food (Middlesex)* 169, 16 P. 1975

038482 1.6 SO3S
Apples add up on protected hillside [Culture]. Jeter, F Jr; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 22. Jan 1975

038483 1.6 SO3S
Garden at Hanalei [School]. Charles, P; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 8-9. Dec 1975

038484 1.6 SO3S
Native grasses and wildflowers—low maintenance plants [Roadside beautification]. Alverson, K; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 18-20. Jan 1975

038485 SB403.S7
Aquatic [ornamental] plants with floating leaves. (Ger) Fessler, A *Staudengarten* 2: 57-59. 1975

038486 SB403.S7
Botanical tulips [Tulipa] for the amateur [Varieties]. (Ger) Fessler, A *Staudengarten* 2: 41-43. 1975

038487 SB403.S7
Flower bulbs for the garden. (Ger) Sieber, J *Staudengarten* 2: 37-40. 1975

038488 SB403.S7
Garden Montbretia varieties. (Ger) Fessler, A *Staudengarten* 2: 45-46. 1975

038489 SB403.S7
In memory of Harold Castle Fletcher [Iris culture, Great Britain]. (Ger) Werckmeister, E *Staudengarten* 1: 31-32. 1975

038490 SB403.S7
Peonies [Paeonia, varieties]. (Ger) Nes, H *Staudengarten* 2: 3-6. 1975

038491 SB403.S7
Shootingstar flowers [Dodecatheon meadia, culture]. (Ger) Fessler, A *Staudengarten* 2: 47-48. 1975

038492 SB403.S7
Small and large problems with shrubs [Culture]. (Ger) Fessler, A *Staudengarten* 1: 57-63. 1975

038493 SB403.S7
The smaller the garden, the smaller the plants. (Ger) Kohlein, F *Staudengarten* 2: 10-12. 1975

038494 SB403.S7
Xiphium filifolium (Boissier/Rodionenko) [Iris filifolia]. (Ger) Kohlein, F *Staudengarten* 2: 13-14. 1975

038495 SB123.A1S8
Beans as a source of feed proteins (review) [Culture]. (Cze) Pribikova, E *Stud Inf, Rostl Vyroba* 3, 59 P. Ref. Eng. Sum. 1975

038496 450 SU12
Aztekium ritteri Boedeker [Succulents, varieties]. (Dut) Zwanikken, G J *Succulenta* 54 (11): 214-215. Nov 1975

038497 450 SU12
Crassula cv. "Isabella", a new hybrid [Succulents, varieties]. (Dut) Boom, B K *Succulenta* 54 (11): 219-220. Nov 1975

038498 450 SU12
Haworthia [Succulents, varieties]. (Dut) Gelder, B van *Succulenta* 55 (1): 10-13. (Continued) Jan 1976

038499 450 SU12
Hybrids of Epiphyllum (Phyllocactus). (Dut) Looze, A J de *Succulenta* 54 (11): 206-207. Nov 1975

038500 450 SU12
Notocactus H 339 [Succulents, varieties]. (Dut) Theunissen, J *Succulenta* 55 (1): 8-9. Jan 1976

038501 450 SU12
Notocactus H 80 [Succulents, varieties]. (Dut) Theunissen, J *Succulenta* 55 (1): 8-9. Jan 1976

038502 450 SU12
Rebutia (Aylostera) frohlichiana Rausch spec. Nov. [Succulents, new taxa]. (Dut) Rausch, W *Succulenta* 54 (12): 226. Dec 1975

038503 450 SU12
Trichocereus fulvilanus Ritter, some more [Succulents, varieties]. (Dut) Bravenboer, S K *Succulenta* 54 (12): 235-239. Dec 1975

038504 450 SU12
Wigginsia horstii [Succulents, varieties]. (Dut) Theunissen, J *Succulenta* 54 (12): 230-231. Dec 1975

038505 450 SU12
Wigginsia macrogona [Succulents, varieties]. (Dut) Theunissen, J *Succulenta* 54 (12): 230-231. Dec 1975

038506 9.6 SU7
Banana cultivation in Surinam. (Dut) Klasen, J; Mulder, H R *Surinaam Landbouw* 23 (2): 91-108. Eng. Sum. 1975

038507 80 SV23
Fruit research, 1974. (Swe) Ericsson, N A; Wohlstrom, C *SYR Inf (Sver Yrkesfruktodl Riksforb)* 17 (1): 15, 18-19, 21-27. 1975

038508 26 T754
Effect of polyethylene and aluminium foil mulches at three plant populations on yields of glass house tomatoes. Kratky, B A *Trop Agric (Guilford)* 53 (1): 57-62. Ref. Jan 1976

038509 26 T754
Mist propagation of cassava tip cuttings for nutritional studies: effects of substrate calcium concentration, temperature and shading. Forno, D A; Asher, C J; Edwards, D G *Trop Agric (Guilford)* 53 (1): 47-55. Ref. Jan 1976

038510 26 T756
Accelerated ripening of 'Alphonso' mangoes by the application of Ethrel. Lakshminarayana, S; Shetty, M S; Krishnaprasad, C A *Trop Sci* 17 (2): 95-101. Ref. 1975

038511 80 T817
Comparison of two planting systems with strawberries under glass. (Dut) Aerts, J; Vanderbruggen, M *Tuinbouwberichten* 39 (3): 95-96. Mar 1975

038512 80 T817
Cultivating tomatoes in peat. (Dut) *Tuinbouwberichten* 39 (6): 258-259. June 1975

038513 80 T817
Figures comparing the use of plastic and residue problems in the cultivation of cornsalad under cold glass. (Dut) Benoit, F *Tuinbouwberichten* 39 (10): 391-394. Oct 1975

038514 80 T817
Practical hints for the cultivation of asparagus. (Dut) Tierens, A *Tuinbouwberichten* 39 (3): 99-100. Mar 1975

038515 80 T817
Selection of lettuce varieties. (Dut) *Tuinbouwberichten* 39 (11): 440-441. Nov 1975

038516 80 T817
Strawberry cultivation in 1975 in western North Brabant. (Dut) Hoog, G T O 't *Tuinbouwberichten* 39 (10): 398-400. Oct 1975

038517 80 T817
Time for thoughts on autumn growing [Horticultural varieties]. (Dut) Marien, W *Tuinbouwberichten* 39 (7/8): 311-312. July/Aug 1975

038518 80 T817
Tomato cultivation on the Channel Island of Guernsey. (Dut) Benoit, F *Tuinbouwberichten* 39 (3): 101-103. Map. Mar 1975

038519 80 T817
Use of plastic in the cultivation of cauliflower under glass. (Dut) Benoit, F; Ceustermans, N *Tuinbouwberichten* 39 (11): 433-434. Nov 1975

038520 80 V662
Is ethephon the answer for color and maturity in apples? Faragher, J D; Brohier, R L *Victorian Hortic Dig* 66: 25-27. Spring 1975

038521 80 V662
Training, yield and wine quality [Viticulture]. Clayton, M F *Victorian Hortic Dig* 66: 17-19. Spring 1975

038522 95.8 V77
About the [experiment of] harvesting grapes with a combine. (Rus) Andreev, A T *Vinodel Vinograd SSSR* 6: 50-51. 1975

038523 95.8 V77
Ecological conditions for the growing of grapes, their specialization and microzoning in the Dagestan ASSR. (Rus) Adzhiev, A M; Zalibekov, Z *Vinodel Vinograd SSSR* 6: 40-42. 1975

038524 95.8 V77
Vine [growing] on slopes [in Kabardino-Balkaria]. (Rus) Fisun, M N *Vinodel Vinograd SSSR* 6: 28-31. 1975

038525 95.8 V77
Viticulture in mountainous regions of Azerbaijan. (Rus) Allakhverdiev, R K *Vinodel Vinograd SSSR* 6: 27-28. 1975

038526 95.8 V77
Ways of improving the set of varieties in vine plantations in the Ukraine. (Rus) Dokuchaeva, E N *Vinodel Vinograd SSSR* 6: 31-35. 1975

038527 20 V82
Agrotechnical features of seed garlic. (Ukr) Bohatyrenko, A K *Visn Sil's'kohospod Nauki* 11: 56-59. Nov 1975

038528 20 V82
Agrotechnics for onions in western regions of the Ukraine. (Ukr) Vizel'man, A I *Visn Sil's'kohospod Nauki* 10: 60-64. Oct 1975

038529 20 V82
Effect of clone selection time on potato yield. (Ukr) IAhotyn, I S *Visn Sil's'kohospod Nauki* 11: 36-38. Nov 1975

038530 20 V82
Ways of increasing potato yield in irrigated soils. (Ukr) Kolomiiets', M M *Visn Sil's'kohospod Nauki* 10: 46-50. Oct 1975

038531 95.8 V833
Effect of time of application of potassium gibberellate on cluster development of 'Zinfandel' grapes. Weaver, R J *Vitis* 14 (2): 97-102. Oct 1975

038532 95.8 W435
The grape grower and clone selection. (Ger) Schoffling, H *Weinberg Keller* 22 (9): 381-404. Eng. Sum. Sept 1975

038533 1 AG84Y
Systematizing the tomato, or more punch for pizza [Varieties for processing, mechanization]. Lorenz, O A; Gagnon, M N; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 337-344. 1975

038534 1 AG84Y
The quiet revolution in the apple orchard. Larsen, R P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 158-168. 1975

038535 SB183.Z4
About the major changes in the varietal zoning of grain legumes [Peas, kidney beans, chickpeas]. (Rus) Kolesenkova, M S *Zern Maslichn Kul't* 9: 34. Sept 1975

SB183.Z4
Comparative productivity of grain legumes [for food and feed, Mordvinian ASSR]. (Rus) Korabitskii, N K *Zern Maslichn Kul't* 8: 21. Aug 1975

038536 SB183.Z4
High yields of peas [in the Cherkassy province]. (Rus) Ivanets, G I *Zern Maslichn Kul't* 9: 33. Sept 1975

MISCELLANEOUS ECONOMIC PLANTS—CULTURE

038537 S19.A32
Systematic cultivation of Cathatanthus roseus (Vinca rosea Linn) G. Don, a plant with promise in cancer [Culture]. Dimri, B P; Khan, M N A; Narayana, M R *Agric Agroind J* 8 (2/8): 13-16. Aug 1975

038538 19.5 AG8
On the history of saffron [Crocus sativus] culture in the Upper Nitra region. (Slo) Horvath, P *Agrikultura* 13: 5-19. Ref. 1975

038539 424.8 AP2
Nectariferous flora [Honey plants]. (Ita) *APE, Riv Svizz Apic* 58 (12): 188-191. (Continued) Dec 1975

038540 424.8 AP2
Nectariferous flora [Honey plants]. (Ita) *APE, Riv Svizz Apic* 59 (1): 14-16. (Continued) Jan 1976

038541 424.8 B476
Honey plants in the sequence of their blooming periods, with a short statement of the methods of their propagation. 1. (Ger) Gleim, K H *Biene* 112 (1): 15-17. Jan 1976

038542 424.8 B472
Willows (Salix) and their importance for bees [Honey plants, culture]. (Ger) Resch, K *Bienenvater* 96 (12): 343-347. (Concluded) Dec 1975

038543 QK73.K43B8
A short note on durian (Durio spp.) [Culture]. (Ind) Panggabean, G *Bul Kebun Raya* 2 (2): 31-34. Eng. Sum. Aug 1975

450 EC7
Chemurgy of sapotaceous plants: Madhuca species of India. Awasthi, Y C; Bhatnagar, S C; Mitra, C R *Econ Bot* 29 (4): 380-389. Ref. Oct/Dec 1975

038544 424.8 G47
A sourwood [honey plant] saga. Taylor, G A *Glean Bee Cult* 103 (12): 388-389, 406. Dec 1975

038545 26 H27
Growing honey-plants. (Heb) Sadeh, D *Hassadeh* 56 (2): 260-261. Nov 1975

038546 SF539.H66
The flowers honey comes from [Honey plants, varieties, nectar flow, apiculture]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 3-76. Ref. 1975

038547 S471.I4S92
Effect of rock phosphate in cojunction with organic matter in increasing the essential oil contents of Mentha arvensis. Gupta, S B; Dhar, N R; Ghildyal, B P *In Symp on Green Revolution* P. 149-152. 1974

038548 68.29 IN23M
Vegetative-floral balance in coffee. III. Effect of thinning of blossom on set and bean size. Raju, K S; Srinivasan, C S; Vishweswara, S *Indian Cof* 39 (7/8): 217-219. July-/Aug 1975

038549 68.29 C652
Better coffee farming. *Kenya Cof* 40 (171): 185-189. June 1975

038550 474 K842
Lords-and-ladies [Arum maculatum, drug plants]. (Ger) Schurz, J *Kosmos* 72 (2): 74-75. Feb 1976

038551 474 K842
The greater celandine [Chelidonium majus, drug plants]. (Ger) Schurz, J *Kosmos* 72 (1): 12-14. Jan 1976

038552 442.8 K84
Algae from mass cultures as potential source of proteins [for food and feed]. (Pol) Zurzycki, J *Kosmos, Ser A Biol* 24 (5): 427-441. Ref. 1975

038553 99.8 L5622
Ginseng and its role in the hunting and industrial areas of the Maritime Territory. (Rus) Gorokhov, G F *Lesn Khoz* 12: 80-82. Dec 1975

038554 S19.P7
Grow yellow-seeded linseed [Culture]. Lobana, K S; Goomber, T S; Badwal, S S *Prog Farming* 12 (3): 27. Nov 1975

038555 64.8 R18
Contribution to the agrotechnics of peppermint (Mentha piperita L.) growh as a biennial crop. (Bul) TSachev, S; Tanev, I; Stanev, D *Rastenievud Nauk* 12 (7): 104-110. Ref. Eng. Sum. 1975

038556 64.8 R18
Vegetative and reproduction habits of castorbean (Ricinus communis) as affected by the nutrient area [Spacing]. (Bul) Gulubov, S *Rastenievud Nauk* 12 (7): 93-103. Ref. Eng. Sum. 1975

038557 99.8 SY52
Fruit roses with a high content of vitamin C [Rosa rugosa, Rosa canina, Rosa damascena, breeding, varieties]. (Pol) Milewski, J *Sylwan* 119 (7): 61-68. Eng. Sum. July 1975

038558 424.8 C33
Environment and extension of the green cover [Honey plants]. (Cze) Rohacek, A *Vcelarstvi* 28 (11): 252-253. Nov 1975

038559 SB183.Z4
Reglon—an effective [pre-harvest] desiccant of castorbean under irrigation. (Rus) Salatenko, V N; Dobrianskaia, L F *Zern Maslichn Kul't* 7: 42-43. July 1975

PLANT FUNGUS DISEASES AND CONTROL

038560 19 AC8
Preliminary studies on the variability among Sclerotium cepivorum Berk. isolates in their toxin(s) production and pathogenicity [to onions]. Abd el-Razik, A A; Shatla, M N; Rushdi, M *Acta Agron (Budap)* 24 (3/4): 442-446. Ref. 1975

100 W27A
Recession brown stain [Cytosora disease of Pinus ponderosa]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 2-3. Fall 1975

038561 S16.H8A32
Examination of the toxic effect of Fusarium fungi of maize. (Hun) Biro, Mrs G M; Feher, Gy; Gyuru, F *Agrar Tud Egy Kozl (Godollo)* P. 287-308. Ref. 1974

038562 26 AG86
The influence of Sclerotium rolfsii, mulches and season on dwarf bean (Phaseolus vulgaris) yields in Western Samoa. (Fre) Reynolds, S G *Agron Trop (Paris)* 30 (3): 245-250. Ref. Eng. Sum. July/Sept 1975

038563 442.8 AN72
A wet-sieving and flotation technique for the detection of resting sporangia of Synchytrium endobioticum [potato wart disease] in soil. Pratt, M A *Ann Appl Biol* 82 (1): 21-29. Jan 1976

038564 442.8 AN72
Benomyl tolerance in Verticillium dahliae [Wilt, strawberries]. Talboys, P W; Davies, M K *Ann Appl Biol* 82 (1): 41-50. Jan 1976

038565 442.8 AN72
Chemical treatment and inoculation of hardwood stumps for control of Armillaria mellea. Rishbeth, J *Ann Appl Biol* 82 (1): 57-70. Jan 1976

038566 442.8 AN72
Germination of Puccinia striiformis uredospores on leaves of adult winter wheat plants [Resistance to yellow rust]. Russell, G E *Ann Appl Biol* 82 (1): 71-78. Jan 1976

038567 442.8 AN72
Some observations on assessing Phoma betae [blackleg] infection of sugarbeet seed. Gambogi, P; Byford, W J *Ann Appl Biol* 82 (1): 31-40. Ref. Jan 1976

038568 442.8 AN72
The effect of temperature on strains of soft fruit spoilage fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. Dennis, C; Cohen, E *Ann Appl Biol* 82 (1): 51-56. Ref. Jan 1976

038569 442.8 AN72
The spread of [gangrene] Phoma exigua within the potato crop. Logan, C *Ann Appl Biol* 82 (1): 169-174. Jan 1976

038570 450 AN7
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in spring wheat. Wafford, J D; Whitbread, R *Ann Bot* 40 (165): 83-90. Ref. Jan 1976

038571 464.9 P562
A gene action for avirulence partially affected by mutation in rice blast fungus [Pyricularia oryzae]. Fujimaki, H; Kiyosawa, S; Yokoo, M *Ann Phytopathol Soc Jap* 41 (2): 176-184. Ref. Apr 1975

038572 464.9 P562
Phytoalexin activity in barley powdery mildew [Erysiphe graminis]. Oku, H; Ouchi, S; Shiraishi, T; Komoto, Y; Oki, K *Ann Phytopathol Soc Jap* 41 (2): 185-191. Ref. Apr 1975

038573 464.9 P562
Polysaccharide-degrading ability of rice blast fungus [Pyricularia oryzae] of a different pathogenicity and virulence. (Jpn) Lee, U C; Matsuyama, N; Yamaguchi, T *Ann Phytopathol Soc Jap* 41 (2): 215-218. Ref. Eng. Sum. Apr 1975

038574 464.9 P562
Two types of conidia of Colletotrichum graminicola (Ces.) G. W. Wils. formed on artificial media, and their pathogenicity [to maize]. (Jpn) Nishihara, N *Ann Phytopathol Soc Jap* 41 (2): 171-175. Ref. Eng. Sum. Apr 1975

038575 AS21.A75U45
New wheat cultivars and longevity of rust resistance, 1971-75 [Fungus diseases]. Kilpatrick, R A; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 64, 20 P. Sept 1975

038576 450 AU72
A comparison between host density and inoculum density effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of garden cress seedlings]. Burdon, J J; Chilvers, G A *Aust J Bot* 23 (6): 899-904. Ref. Dec 1975

038577 450 AU72
Sorus ontogeny and sporogenesis in some smut fungi [Ustilago and Sorosporium on Gramineae]. Langdon, R F N; Fullerton, R A *Aust J Bot* 23 (6): 915-930. Ref. Dec 1975

038578 423.92 C16F
A method of tracing fungi inoculated into the stems of living maple [Acer saccharum, Coniochaeta velutina]. Basham, J T; Good, H M *Bi-mon Res Can For Serv* 31 (6): 40-41. Nov/Dec 1975

038579 450 B52
Contribution to the study of cytokinin production by phytopathogenic fungi [Monilia, Cytospora]. Vizarova, G *Biol Plant* 17 (5): 380-382. 1975

038580 451 R923
Glume of maize Zea mays L. Male inflorescence damaged by Sorosporium reilianum (Kuehn) Mc Alpine. (Rus) Slepian, E I; Vasil'ev, N P *Bot Zh* 60 (12): 1731-1739. Ref. Dec 1975

470 C16C
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. Happ, G M; Happ, C M; Barras, S J *Can J Bot* 53 (23): 2702-2711. Ref. Dec 1, 1975

038581 470 C16C
Changes in phenolic compounds of sunflowers infected by Plasmopara halstedii. Cohen, Y; Ibrahim, R K *Can J Bot* 53 (22): 2625-2630. Ref. Nov 15, 1975

038582 470 C16C
Changes in proteins and free and total amino acids of peanuts (Arachis hypogaea) infected with Aspergillus parasiticus. Cherry, J P; Young, C T; Beuchat, L R *Can J Bot* 53 (22): 2639-2649. Ref. Nov 15, 1975

038583 470 C16C
Light-induced inhibition of sporangial formation of Phytophthora infestans on potato leaves. Cohen, Y; Eyal, H; Sadon, T *Can J Bot* 53 (22): 2680-2686. Ref. Nov 15, 1975

038584 470 C16C
Mechanism of honeydew formation by claviceps species [on grasses, wheat and rye]. Mower, R L; Hancock, J G *Can J Bot* 53 (23): 2826-2834. Ref. Dec 1, 1975

038585 470 C16C
Penetration of Zea mays [maize] by Helminthosporium carbonum [leaf spot]. Murray, G M; Maxwell, D P *Can J Bot* 53 (23): 2872-2883. Ref. Dec 1, 1975

038586 470 C16C
Sugar composition of ergot honeydews [Claviceps, Sphacelia]. Mower, R L; Hancock, J G *Can J Bot* 53 (23): 2813-2825. Ref. Dec 1, 1975

038587 470 C16C
The epidemiology of common root rot [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on subcrown internodes and the effect of added phosphate. Verma, P R; Morrall, R A A; Randell, R L; Tinline, R D *Can J Bot* 53 (22): 2568-2580. Ref. Nov 15, 1975

038588 470 C16C
THe ultrastructure of M1-a-mediated resistance to powdery mildew [Erysiphe graminis hordei]. Edwards, H H *Can J Bot* 53 (22): 2589-2597. Ref. Nov 15, 1975

038589 470 C16C
Two infection sites of Hypoxylon mammatum in trembling aspen (Populus tremuloides) [Saperda concolor]. Manion, P D *Can J Bot* 53 (22): 2621-2624. Ref. Nov 15, 1975

038590 470 C16C
Ultrastructure of wilt syndrome caused by Verticillium dahliae. II. In sunflower leaves. Robb, J; Busch, L; Brisson, J D; Lu, B C *Can J Bot* 53 (23): 2725-2739. Ref. Dec 1, 1975

038591 470 C16C
Variability of host and pathogen in hypoxylon [mammatum] canker of aspen [Populus tremuloides]. French, J R; Manion, P D *Can J Bot* 53 (23): 2740-2744. Dec 1, 1975

038592 443.8 C16
Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a gene-for-gene relationship. Ebba, T; Person, C *Can J Genet Cytol* 17 (4): 631-636. Dec 1975

038593 443.8 C16
Genetics of stem rust [Puccinia graminis tritici] resistance in wheat cultivars Romany, Es.p 518/9, Bonny and Tama. Dyck, P L; Green, G J *Can J Genet Cytol* 17 (4): 667-674. Dec 1975

038594 302.9 EN8
An attack of Schizophyllum commune Fr. On young plants of white poplar [Populus alba]. (Ita) Magnani, G *Cellul Carta* 26 (7/8): 55-61. Eng. Sum. July/Aug 1975

038595 64.8 C883
Comparison of different hill-plot designs for evaluating quantitative response to oat crown rust [Puccinia coronata]. Patanothai, S; Michel, L J; Simons, M D *Crop Sci* 15 (6): 803-806. Nov/Dec 1975

038596 64.8 C883
Gray leaf spot-resistant Lupinus angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. Forbes, I; Gladstones, J S; Wells, H D *Crop Sci* 15 (6): 867-868. Ref. Nov/Dec 1975

038597 64.8 C883
Linkage tests among genes for six qualitative characters in sunflowers [Fungus diseases resistance]. Fick, G N; Zimmer, D E *Crop Sci* 15 (6): 777-779. Ref. Nov/Dec 1975

038598 64.8 C883
Phytophthora root rot [Phytophthora megasperma] in seedingyear alfalfa as affected by management practices inducing stress. Pulli, S K; Tesar, M B *Crop Sci* 15 (6): 861-864. Ref. Nov/Dec 1975

64.8 C883
Polyembryony in Kentucky bluegrass [Poa pratensis] as a source of variation in disease reaction [Drechslera triseptata, Erysiphe graminis]. Ostazeski, S A; Poole, T E; Wilton, A C; Murray, J J *Crop Sci* 15 (6): 820-821. Ref. Nov/Dec 1975

038599 64.8 C883
Reaction of diallel crosses of maize in T and N cytoplasms to Bipolaris maydis race T [Breeding for disease resistance]. Scott, G E; Futrell, M C *Crop Sci* 15 (6): 779-782. Ref. Nov/Dec 1975

038600 65.8 C89
Chinoin Fundazol [fungicide] 50 WP spray [Sugarbeets, Cercosopora]. (Hun) Lukacs, L; Zana, J *Cukoripar* 28 (5): 161-164. Sept-/Oct 1975

038601 475 SCI23
A new species of Septoria [lupulina] on hops (Humulus spp.) in Kashmir. Mirakhur, R K; Dhar, S J; Dhar, A K *Curr Sci* 45 (1): 37. Jan 5, 1976

038602 475 SCI23
A note on the seasonal changes in the incubation time of groundnut rust [Puccinia arachidis]. Mallaiah, K V *Curr Sci* 45 (1): 26. Jan 5, 1976

038603 475 SCI23
Detection of cell wall breaking ability by cellulase of Alternaria brassicae (berk.) Sacc. [Potatoes]. Nehemiah, K M A; Deshpande, K B *Curr Sci* 45 (1): 28-29. Jan 5, 1976

475 SCI23
Metarrhizium anisopliae (Metch.) Sorokin on Brinjal mealy bug [Centrococcus insolitus] and its use in the biological control of the pest. Chaudhuri, S *Curr Sci* 45 (1): 34. Jan 5, 1976

038604 475 SCI23
Production of teliospores in artificial culture of Ustilagocrameri (Kornicke) [Setaria italica]. Vijayaraghavan, B; Govindu, H C *Curr Sci* 45 (1): 35-36. Jan 5, 1976

038605 511 P444A
Adenyl and pyridine nucleotides of the forms of Verticillium dahliae Kleb. differing in the pathogenecity. (Rus) Rubin, B A; Voronkov, L A; Zhivopistseva, I V *Dokl Akad Nauk SSSR* 224 (6): 1453-1455. Ref. 1975

038606 S13.B82
A biochemical study of tobacco blue mould [Peronospora tabacina] pathogenesis. VI. On some resistance factors. Edreva, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 55-58. Ref. 1975

038607 S13.B82
A study on wheat powdery mildew in Bulgaria. II. Physiological races of wheat powdery mildew (Erysiphe graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. Kounovski, Z *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 49-54. 1975

038608 S13.B82
On the pathogenesis of Leveillula taurica Arn. [Powdery mildew, Solanaceae, leeks]. Tafradjiiski, I; Elenkov, E; Neshev, G *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 65-67. 1975

038609 SD1.E8
A comparative study of the wood destroying capacity in vitro of some butt-rot fungi in spruce [Picea abies]. (Fre) Perrin, R; Sylvestre, G *Eur J For Pathol* 5 (6): 344-348. Ref. Eng. Sum. Dec 1975

038610 SD1.E8
Fungal [Phellinus tremulae] decomposition of sapwood and hearthwood of European aspen, Populus tremula L. Wikstrom, C *Eur J For Pathol* 5 (6): 349-356. Ref. Dec 1975

038611 SD1.E8
In vitro and in vivo germination of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. Heather, W A; Anselmi, N; Cellerino, C P *Eur J For Pathol* 5 (6): 321-328. Dec 1975

038612 SD1.E8
Linospora ceuthocarpa (Fr.) Munk ex Morelet, a parasite of poplar [Populus] leaves. (Fre) Pinon, J; Morelet, M *Eur J For Pathol* 5 (6): 367-376. Ref. Eng. Sum. Dec 1975

038613 SD1.E8
Scleroderris [lagerbergii] canker of Todo-fir [Abies sachalinensis] in Hokkaido, northern Japan. V. Relationship between disease development and forest type. Yokota, S; Uozumi, T; Matsuzaki, S *Eur J For Pathol* 5 (6): 356-366. Maps. Ref. Dec 1975

038614 S19.F37
Ergot disease [pearlmillet] of bajra and its control. Kannaiyan, J; Arjunan, G *Farmer Parliament* 10 (6): 19-20. June 1975

038615 S19.F37
Seed and seedling diseases of crops, their cause and control. Vyas, S C *Farmer Parliament* 10 (6): 11-12, 26. June 1975

038616 80 W41
Easter lily root rot control [Fungicides]. Raabe, R D; Hurlimann, J H; Farnham, D S *Florists Rev* 157 (4063): 30. Oct 16, 1975

038617 99.8 F767
An experiment to control Fomes annosus in second rotation pine [Pinus sylvestris] crops. Greig, J W; Low, J D *Forestry* 48 (2): 147-163. Ref. 1975

038618 99.8 F767
Fungicide injection for the control of Dutch elm disease [Ceratocystis ulmi]. Gibbs, J N; Dickinson, J *Forestry* 48 (2): 165-178. Ref. 1975

038619 99.8 F767
Testing dosage rates of methoxychlor applied by helicopter for control of Dutch elm disease [Ceratocystis ulmi]. King, C J; Scott, T M *Forestry* 48 (2): 177-181. 1975

038620 99.8 F767
The infection of Corsican pine [Pinus nigra poiretiana] by Crumenula sororia Karst. Hayes, A J; Ahmad, A M *Forestry* 48 (2): 183-191. Ref. 1975

038621 80 F9492
Note on a canker of the mango caused by Phytophthora in theInvory Coast. (Fre) Lourd, M; Keuli, S D *Fruits* 30 (9): 541-544. Eng. Sum. Sept 1975

038622 80 F9492
Study on Phytophthora cinnamomi of avocado in Cameroon. (Fre) Huguenin, B; Boher, B; Haury, A; Laville, E *Fruits* 30 (9): 525-533. Map. Eng. Sum. Sept 1975

038623 80 F9492
The biology and pathogenicity of fungi causing moulds on avocados after harvest. (Fre) Zauberman, G; Schiffmann-Nadel, M; Fuchs, Y; Yanko, U *Fruits* 30 (7/8): 499-502. July/Aug 1975

038624 80 F9492
The control of moulds on avocado and its effect of the change in the flora of pathogenic fungi on the fruit. (Fre) Zauberman, G; Schiffmann-Nadel, M; Fuchs, Y; Yanko, U *Fruits* 30 (7/8): 503-504. July/Aug 1975

038625 450 N92
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [Tests with various kinds of woods]. (Ita) Montemartini Corte, A *G Bot Ital* 109 (4/5): 227-237. Ref. Eng. Sum. July/Oct 1975

038626 80 G1938
Use of benomyl in the storage of leeks [Fungus diseases]. (Nor) Hoftun, H *Gartneryket* 65 (38): 622. Sept 19, 1975

038627 80 G1938
Dry rot [Phytophthora infestans] of potatoes is very serious. (Nor) Julsrud, O A *Gartneryrket* 65 (26/27): 465, 472. July 4, 1975

450 G282
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. Kozera, W *Genet Pol* 16 (1): 61-70. Ref. 1975

450 G282
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. Kozera, W *Genet Pol* 16 (1): 71-79. Ref. 1975

443.8 G283
The inheritance of resistance to eyespot (Cercosporella herpotrichoides) in wheat. Law, C N; Scott, P R; Worland, A J; Hollins, T W *Genet Res* 26 (1): 73-79. Ref. Aug 1975

038628 S16.G9G4
The relation of rainfall, relative humidity and temperature to late blight [Phytophthora infestans] of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. (Gre) Kyrou, N Ch *Geoponika* (Ser. 3) 21 (226): 274-293. Ref. Eng. Sum. Sept/Oct 1975

038629 SB476.G7
The unsightly sooty molds [on ornamental plants]. Shurtleff, M C *Grounds Maint* 10 (11): 36. Nov 1975

038630 26 H27
An isolate of the pear scab fungus, Venturia pirina, tolerant to benzimidazole fungicides. (Heb) Shabi, E; Ben-Yaphet, Y *Hassadeh* 56 (2): 219-223. Eng. Sum. Nov 1975

038631 26 H27
Materials for controlling powdery mildew on squash. (Heb) Zilberstein, Y; Zilka, G; Goot, Y; Bing, B; Pesach, *Hassadeh* 56 (2): 196-198. Nov 1975

038632 26 H27
The extent of Shamouti orange contamination with green moldand its effect on fruit decay. (Heb) Lattar, P S *Hassadeh* 56 (2): 268-269. Nov 1975

038633 87 G75
Resistance to anthracnose [Colletotrichum lindemuthianum] of introduced and local specimens of garden bean varieties under the Sofia region conditions. (Bul) Ganeva, D; Georgieva, M *Hortic Vitic Sci* 12 (5): 53-60. Ref. Eng. Sum. 1975

038634 SB1.H6
CR 17-1-34, Cercospora [cruenta] leaf spot resistant southernpea [Vigna unguiculata] germplasm [South Carolina]. Fery, R L; Dukes, P D; Cuthbert, F P Jr *Hortsci* 10 (6): 627. Dec 1975

038635 SB1.H6
Induced resistance from simultaneous inoculation of tomato with Fusarium oxysporum Sacc. and Verticillium albo-atrum Reinke & Berth [Wilt]. Tigchelaar, E C; Dick, J B *Hortsci* 10 (6): 623-624. Dec 1975

SB1.H6
Rooting of cuttings from tops and stumps of American elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. Schreiber, L R; Kawase, M *Hortsci* 10 (6): 615. Dec 1975

038636 SB1.H6
Yield response of resistant and susceptible cucumber cultivars to scb infection [Cladosporium cucumerinum]. Emmatty, D A; Groenewegen, C; George, B F *Hortsci* 10 (6): 619. Dec 1975

038637 SB52.G43F6
Phytotoxicity and biological efficacy of fungicides with special consideration to the technique of application [Grapes]. (Ger) Beran, N *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 198-206. Ref. 1974

038638 SB951.S8
Biological and biochemical considerations in the use of selective and nonselective fungicides. Siegel, M R *In Pesticide Selectivity. J. C. Street, ed.* P. 21-46. Ref. 1975

038639 65.8 IN23
Research on a population of Cercospora beticola Sacc. Tolerant to benomyl. (Ita) D'Ambra, V; Mutto, S; Caruba, G *Ind Saccarif Ital* 68 (4): 91-93. Eng. Sum. July/Aug 1975

038640 442.8 IN2
Effect of antibiotics & fungicides on endogenous mycelial respiration & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. Saksena, S B; Vyas, K M; Soni, N K *Indian J Exp Biol* 13 (2): 216-218. Ref. Mar 1975

038641 442.8 IN2
New antifungal substance from Alpinia officinarum Hance. Ray, P G; Majumdar, S K *Indian J Exp Biol* 13 (4): 409. July 1975

038642 SB599.I47
A comparative study of races of stem rust [Puccinia graminis tritici] of wheat: relation of temperature as a factor governing their prevalence. Sharma, S K; Prasada, R *Indian J Mycol Plant Pathol* 4 (2): 182-189. Ref. July 1974 (Pub. 1975)

038643 SB599.I47
A leaf blight [Alternaria alternata] of Fagopyrum tataricum in India. Thakur, R N *Indian J Mycol Plant Pathol* 4 (2): 198. July 1974 (Pub. 1975)

038644 SB599.I47
A new canker and die-back disease of apple from Himachal Pradesh [Haplosporella malorum]. Shandilya, T R *Indian J Mycol Plant Pathol* 4 (2): 213. July 1974 (Pub. 1975)

038645 SB599.I47
A new host [Eragrostis tremula] for Ephetis oryzae. Prakash, O; Singh, S J *Indian J Mycol Plant Pathol* 4 (2): 200. July 1974 (Pub. 1975)

038646 SB599.I47
Adaptation of Pythium aphanidermatum to thiram [Tomatoes]. Dutt, S; Grover, R K *Indian J Mycol Plant Pathol* 4 (2): 221-222. July 1974 (Pub. 1975)

038647 SB599.I47
Ascochyta leaf spot of papaya and its perfect state [Ascochyta caricae papayae, Mycosphaerella]. Ullasa, B A; Sohi, H S; Ganapathy, K M *Indian J Mycol Plant Pathol* 4 (2): 218-219. July 1974 (Pub. 1975)

038648 SB599.I47
Chemical nature of disease resistance and susceptibility in leaf blight of wheat caused by Alternaria triticina. Kumar, V R; Kumar, A; Arya, H C *Indian J Mycol Plant Pathol* 4 (2): 203-204. July 1974 (Pub. 1975)

038649 SB599.I47
Curvularia [lunata] leaf spot of Japanese mint in India. Thakur, R N; Singh, K P; Husain, A *Indian J Mycol Plant Pathol* 4 (2): 199. July 1974 (Pub. 1975)

038650 SB599.I47
Effect of carbon and nitrogen nutrition on the growth and sporulation of Helminthosporium speciferum [Cotton]. Dutt, S; Bedi, P S *Indian J Mycol Plant Pathol* 4 (2): 190-193. Ref. July 1974 (Pub. 1975)

038651 SB599.I47
Fungicidal control of powdery mildew [Erysiphe polygoni] ofBrassica juncea. Singh, R R; Solanki, J S *Indian J Mycol Plant Pathol* 4 (2): 210-211. July 1974 (Pub. 1975)

038652 SB599.I47
Fungicidal control of secondary air-borne infection of brown leaf spot of rice [Cochliobolus miyabeanus]. Singh, G; Chohan, J S; Sandhu, K S *Indian J Mycol Plant Pathol* 4 (2): 212. July 1974 (Pub. 1975)

038653 SB599.I47
Histopathology of fennel [Foeniculum vulgare] infected by Ramularia foeniculi. Singh, R D *Indian J Mycol Plant Pathol* 4 (2): 166-170. July 1974 (Pub. 1975)

038654 SB599.I47
Histopathology of mango die-back caused by Botryodiplodia theobromae. Verma, O P; Singh, R D *Indian J Mycol Plant Pathol* 4 (2): 216-217. July 1974 (Pub. 1975)

038655 SB599.I47
In vitro evaluation of fungicides against Helminthosporium spiciferum the causal organism of blight of cotton. Dutt, S; Bedi, P S *Indian J Mycol Plant Pathol* 4 (2): 219-220. July 1974 (Pub. 1975)

038656 SB599.I47
In vitro production of toxic metabolite by different species of Colletotrichum. Sahni, S S; Chahal, D S; Singh, N *Indian J Mycol Plant Pathol* 4 (2): 222-223. July 1974 (Pub. 1975)

038657 SB599.I47
Influence of N, P, K [nitrogen, phosphorus, potassium] on stem rot [Macrophomina phaseoli] incidence of capsularis jute. Ji, T *Indian J Mycol Plant Pathol* 4 (2): 117-120. July 1974 (Pub. 1975)

038658 SB599.I47
New hosts of Cercosporae from India. Narain, U; Saksena, H K *Indian J Mycol Plant Pathol* 4 (2): 126-128. July 1974 (Pub. 1975)

038659 SB599.I47
Occurrence of downy mildew on alfalfa (Medicago sativa) in the Punjab. Ajula, S S; Dutt, S; Sidhu, B S *Indian J Mycol Plant Pathol* 4 (2): 194. July 1974 (Pub. 1975)

038660 SB599.I47
Perfect stage of Cytospora ambiens causing canker of apple trees in India. Shandilya, T R; Agarwala, R K *Indian J Mycol Plant Pathol* 4 (2): 206. July 1974 (Pub. 1975)

038661 SB599.I47
Resistance of indigenous and exotic barley varieties to races of black rust (Puccinia graminis). Atheya, S C; Saksena, H K *Indian J Mycol Plant Pathol* 4 (2): 197-198. July 1974 (Pub. 1975)

038662 SB599.I47
Sources of resistance to basal rot of onion caused by Fusarium oxysporum. Sokhi, S S; Sohi, H S; Singh, D P; Joshi, M C *Indian J Mycol Plant Pathol* 4 (2): 214-215. July 1974 (Pub. 1975)

038663 SB599.I47
Studies on the downy mildew disease of balsam [Impatiens balsamina] caused by Peronospora obducens. Sohi, H S; Tyagi, S N S *Indian J Mycol Plant Pathol* 4 (2): 161-165. July 1974 (Pub. 1975)

038664 SB599.I47
Temperature effects on cleistothecium formation of cucurbits powdery mildew [Sphaerotheca fuliginea]. Kumar, A; Kumar, V R *Indian J Mycol Plant Pathol* 4 (2): 201-202. July 1974 (Pub. 1975)

038665 SB599.I47
The influence of date of sowing on the incidence of tip-rot [Phoma] and fibre yield of mesta [Hibiscus cannabinus]. Ji, T; Singh, S P *Indian J Mycol Plant Pathol* 4 (2): 195-196. July 1974 (Pub. 1975)

038666 SB599.I47
The role of peroxidase and polyphenoloxidase systems in relation to charcoal rot disease of soybean incited by Macrophomina phaseolina. Gangopadhyay, S; Wyllie, T D *Indian J Mycol Plant Pathol* 4 (2): 132-137. Ref. July 1974 (Pub. 1975)

038667 SB599.I47
Weather conditions and airborne conidia of Helminthosporiumoryzae in west Bengal [Brown spot disease, rice]. Gangopadhyay, S; Chattopadhyay, S B *Indian J Mycol Plant Pathol* 4 (2): 207-209. July 1974 (Pub. 1975)

038668 464.8 IN2
A disc electrophoretic study of the protein of susceptible, tolerant and resistant lucerne with reference to Verticillium [albo-atrum] wilt. Gupta, D P *Indian Phytopathol* 27 (4): 542-548. Ref. Dec 1974 (Pub. 1975)

038669 464.8 IN2
A method of quantification of the infection phenomenon in blast disease [Pyricularia oryzae] of rice for the use in genetical studies. Kaur, S; Kaur, P; Padmanabhan, S Y *Indian Phytopathol* 27 (4): 624-627. Dec 1974 (Pub. 1975)

038670 464.8 IN2
A new Pestalotiopsis [versicolor] fruit rot of Achras sapota from India. Gupta, I J; Sehgal, S P *Indian Phytopathol* 27 (4): 616. Dec 1974 (Pub. 1975)

038671 464.8 IN2
A new species of Furcaspora [indica] from [Pinus monophylla] India. Talde, U K *Indian Phytopathol* 27 (4): 630-631. Dec 1974 (Pub. 1975)

038672 464.8 IN2
Amino acid spectrum of three Xylariaceous fungi [Hypoxylon haematostroma, Rosellinia petrakii, Xylaria dealbata]. Rao, V G; Narendra, D V *Indian Phytopathol* 27 (4): 660-661. Dec 1974 (Pub. 1975)

038673 464.8 IN2
Anthracnose of arhar [pigeon peas] incited by Colletotrichum truncatum. Khan, M W; Singh, R K *Indian Phytopathol* 27 (4): 622-624. Dec 1974 (Pub. 1975)

038674 464.8 IN2
Appraisal of yield loss in wheat due to foliage diseases caused by Alternaria triticina and Helminthosporium sativum. Prabhu, A S; Singh, A *Indian Phytopathol* 27 (4): 632-634. Dec 1974 (Pub. 1975)

038675 464.8 IN2
Biochemical changes in a resistant and susceptible variety of watermelon due to infection by Alternaria cucumerina. Chopra, B L; Jhooty, J S *Indian Phytopathol* 27 (4): 502-507. Ref. Dec 1974 (Pub. 1975)

038676 464.8 IN2
Changes in amino acids, carbohydrates and capsaicin content of red fruits of chillies infected with Colletotrichum piperatum. Grewal, A S; Grover, R K *Indian Phytopathol* 27 (4): 603-604. Dec 1974 (Pub. 1975)

038677 464.8 IN2
Changes in phenolic content of gram [pea] plant induced by Ascochyta rabiei infection. Vir, S; Grewal, J S *Indian Phytopathol* 27 (4): 524-526. Ref. Dec 1974 (Pub. 1975)

038678 464.8 IN2
Chemical inhibition of Ceratocystis ulmi growth. Sekhon, H S *Indian Phytopathol* 27 (4): 466-469. Dec 1974 (Pub. 1975)

038679 464.8 IN2
Collar rot of pumpkin caused by Sclerotium rolfsii. Singh, D V; Seth, M L *Indian Phytopathol* 27 (4): 631-632. Dec 1974 (Pub. 1975)

038680 464.8 IN2
Cytopathology of large cardamom and ginger infected with wheat mosaic streak virus. Mayee, C D *Indian Phytopathol* 27 (4): 609-610. Dec 1974 (Pub. 1975)

038681 464.8 IN2
Effect of Aspergillus flavus on the germinating seeds of some tropical crop plants. Rati, E; Ramalingam, A *Indian Phytopathol* 27 (4): 579-582. Ref. Dec 1974 (Pub. 1975)

038682 464.8 IN2
Effect of different carbon sources on growth, sporulation and production of toxic metabolite in culture of Sphaceloma curcumae [Curcuma longa]. Basu, K; Nandi, B *Indian Phytopathol* 27 (4): 648-649. Dec 1974 (Pub. 1975)

038683 464.8 IN2
Effect of foliar application of chemicals on the survival of plant pathogens in the rhizosphere of two crop plants [Sorghum, Crotalaria juncea]. Balasubramanian, A; Rangaswami, G *Indian Phytopathol* 27 (4): 636-639. Dec 1974 (Pub. 1975)

038684 464.8 IN2
Effect of host and nonhost crop seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. Singh, R S *Indian Phytopathol* 27 (4): 553-557. Dec 1974 (Pub. 1975)

038685 464.8 IN2
Effect of light spectrum on the growth and sporulation of two strains of Choanephora cucurbitarum. Tiwari, V N; Yadav, A S *Indian Phytopathol* 27 (4): 611-613. Dec 1974 (Pub. 1975)

038686 464.8 IN2
Epidemiological observations on leaf spot (Cercospora sp.) of black gram [Mungo beans]. Gupta, V K; Saharan, G S *Indian Phytopathol* 27 (4): 606-608. Dec 1974 (Pub. 1975)

038687 464.8 IN2
Evaluation of fungicides for the control of gram [peas] blight [Ascochyta rabiei]. Vir, S; Grewal, J S *Indian Phytopathol* 27 (4): 641-643. Dec 1974 (Pub. 1975)

038688 464.8 IN2
Greeneria fuliginea Scribner and Viala causing bitter rot of grapes in India. Prakash, O; Mishra, B; Misra, A P *Indian Phytopathol* 27 (4): 605-606. Dec 1974 (Pub. 1975)

038689 464.8 IN2
Growth regulators in control of post-harvest fungal diseases of fruits and vegetables. Thakur, D P; Chenulu, V V; Kanwar, Z S; Kherata, R B S *Indian Phytopathol* 27 (4): 532-536. Dec 1974 (Pub. 1975)

038690 464.8 IN2
Head fungi [Curyvularia lunata] of sorghum, phytotoxins andtheir effects on seed germination. Tripathi, R K *Indian Phytopathol* 27 (4): 49-501. Dec 1974 (Pub. 1975)

038691 464.8 IN2
Incidence of Helminthosporium [gramineum] stripe on barley cultivars in Bihar. Mohammad, A; Mahmood, M *Indian Phytopathol* 27 (4): 656-658. Dec 1974 (Pub. 1975)

038692 464.8 IN2
Incidence of pathogenic fungi on leaves [Sesame]. Sharma, K R; Mukerji, K G *Indian Phytopathol* 27 (4): 558-566. Ref. Dec 1974 (Pub. 1975)

038693 464.8 IN2
Influence of foliar nutrient sprays on the population of Fusarium oxysporum f. melonis and other soil microflora in the rhizosphere of muskmelon. Kannaiyan, S; Prasad, N N *Indian Phytopathol* 27 (4): 527-531. Dec 1974 (Pub. 1975)

038694 464.8 IN2
Influence of microelements in a sporulation medium on subsequent water requirements for germination of Verticillium albo-atrum conidia. Mozumder, B K G; Caroselli, N E *Indian Phytopathol* 27 (4): 537-541. Ref. Dec 1974 (Pub. 1975)

038695 464.8 IN2
Influence of various factors on the efficacy of two systemic fungicides for control of loose smut of wheat [Ustilago nuda tritici]. Thomas, N T; Chatrath, M S *Indian Phytopathol* 27 (4): 493-498. Ref. Dec 1974 (Pub. 1975)

038696 464.8 IN2
Influence of weather on frogeye leaf spot [Cercospora nicotianae] incidence on cigarette tobacco. Murty, G V G K; Ellias, N A *Indian Phytopathol* 27 (4): 549-552. Dec 1974 (Pub. 1975)

038697 464.8 IN2
Inhibition of fungicidal action of cyano (methylmercuri) guanidine by cysteine and glutamic acid [of Sclerotium rolfsii]. Indulkar, A S; Grewal, J S *Indian Phytopathol* 27 (4): 514-516. Dec 1974 (Pub. 1975)

038698 464.8 IN2
Melanin like compound in the sclerotia of Macrophomina phaseolina [Soybeans]. Gangopadhyay, S; Wyllie, T D *Indian Phytopathol* 27 (4): 661-663. Dec 1974 (Pub. 1975)

038699 464.8 IN2
Nature of disease resistance and susceptibility in leaf blight of wheat caused by Alternaria triticina in vivo and in vitro. Kumar, V R; Kumar, A; Arya, H C *Indian Phytopathol* 27 (4): 455-458. Dec 1974 (Pub. 1975)

038700 464.8 IN2
New records of three diseases [Glomerella cingulata, Sclerotinia sclerotiorum, Botryodiploidia theobromae] of chilli in India. Roy, A K *Indian Phytopathol* 27 (4): 620-622. Dec 1974 (Pub. 1975)

038701 464.8 IN2
Performance of sweetpotato varieties against Fusarium wilt. Sinha, D C; Misra, A P *Indian Phytopathol* 27 (4): 615. Dec 1974 (Pub. 1975)

038702 464.8 IN2
Perpetuation of Pyricularia oryzae Cav. Through infected seeds in Vidarbha region [Rice]. Mayee, C D *Indian Phytopathol* 27 (4): 604-605. Dec 1974 (Pub. 1975)

038703 464.8 IN2
Phoma glomerata in relation to bud-blight-affected plants of groundnut. Dhanju, A S; Chohan, J S *Indian Phytopathol* 27 (4): 665-666. Dec 1974 (Pub. 1975)

038704 464.8 IN2
Possible mode of action of phenolics in inducing disease resistance in ragimillet plants against Helminthosporium tetramera. Vidhyasekaran, P *Indian Phytopathol* 27 (4): 587-595. Ref. Dec 1974 (Pub. 1975)

038705 464.8 IN2
Possible occurrence of physiologic forms of Sphacelotheca sorghi. Ranganathaiah, K G; Govindu, H C *Indian Phytopathol* 27 (4): 575-578. Dec 1974 (Pub. 1975)

038706 464.8 IN2
Post-harvest decay of fruits of tomato caused by Cylindrocladium scoparium. Tandon, J M P; Tandon, R N *Indian Phytopathol* 27 (4): 489-492. Dec 1974 (Pub. 1975)

038707 464.8 IN2
Post-infection changes in amino-acid contents of leaves of Mimusops hexandra infected by Pestalotiopsis neglecta. Tandon, M P; Jamaluddin,; Bhargava, V *Indian Phytopathol* 27 (4): 645-647. Dec 1974 (Pub. 1975)

038708 464.8 IN2
Quantitative and qualitative variations in leaf-surface wax in three varieties of wheat varying in susceptibility to blight caused by Alternaria triticina. Kumar, S *Indian Phytopathol* 27 (4): 508-513. Ref. Dec 1974 (Pub. 1975)

038709 464.8 IN2
Relative reaction of different varieties of wheat to flag smut [Urocystis tritici] in Punjab. Grewal, A S; Aujla, S S; Minhas, A S *Indian Phytopathol* 27 (4): 629-630. Dec 1974 (Pub. 1975)

038710 464.8 IN2
Repression of the production of Verticillium [dahliae] polygalacturonase and cellulase by glucose [Hops]. Selvaraj, J C *Indian Phytopathol* 27 (4): 663-665. Dec 1974 (Pub. 1975)

038711 464.8 IN2
Rhizosphere fungi and nematodes of eggplant as influenced by oilcake amendments. Khan, M W; Khan, A M; Saxena, S K *Indian Phytopathol* 27 (4): 480-484. Ref. Dec 1974 (Pub. 1975)

038712 464.8 IN2
Role of auxins in leaf spot incidence in ragimillet incited by Helminthosporium tetramera. Vidhyasekaran, P *Indian Phytopathol* 27 (4): 517-523.. Ref. Dec 1974 (Pub. 1975)

038713 464.8 IN2
Role of phenolics in leaf spot disease incidence in ragimillet incited by Helminthosporium tetramera. Vidhyasekaran, P *Indian Phytopathol* 27 (4): 583-586. Dec 1974 (Pub. 1975)

038714 464.8 IN2
Screening of systemic and non-systemic fungicides against Fusarium oxysporum causing foot and root rot of wheat. Joshi, L K; Vyas, S C *Indian Phytopathol* 27 (4): 650-651. Dec 1974 (Pub. 1975)

038715 464.8 IN2
Seed-borne fungi of jute and their control. Agarwal, V K; Singh, O V *Indian Phytopathol* 27 (4): 651-652. Dec 1974 (Pub. 1975)

038716 464.8 IN2
Seedling [fungus] diseases of sugarbeet and their chemical control. Sen, C; Srivastava, S N; Agnihotri, V P *Indian Phytopathol* 27 (4): 596-602. Ref. Dec 1974 (Pub. 1975)

464.8 IN2
Studies on the interaction between bottlegourd mosaic virus and powdery-mildew fungus, Sphaerotheca fuliginea. Mahmood, K; Akram, M; Qamar, S; Naqvi, A; Alam, M M *Indian Phytopathol* 27 (4): 627-629. Dec 1974 (Pub. 1975)

038717 464.8 IN2
Thiabendazole—storage of guava fruits [Fungus disease control]. Bhargava, S N; Singh, A P *Indian Phytopathol* 27 (4): 613-615. Dec 1974 (Pub. 1975)

038718 464.8 IN2
Translocation of foliar applied radioactive [fungicide] nickel in wheat plants. Chatrath, M S; Gupta, J P; Saxena, R K *Indian Phytopathol* 27 (4): 485-488. Dec 1974 (Pub. 1975)

038719 464.8 IN2
Variability in the virulence of Pyricularia oryzae. Kaur, P; Kaur, S *Indian Phytopathol* 27 (4): 616-617. Dec 1974 (Pub. 1975)

038720 464.8 IN2
Varietal resistance of gram [peas] to Ascochyta [rabiei] blight. Grewal, J S; Vir, S *Indian Phytopathol* 27 (4): 643-645. Ref. Dec 1974 (Pub. 1975)

038721 -65.8 IN26
A new smut [Sphacelotheca schweinfurthiana] of sugarcane. Goyal, K N; Tyagi, R N S *Indian Sugar* 25 (5): 439-440. Ref. Aug 1975

038722 65.8 IN26
Screening of promising sugarcane varieties for resistance to smut by Ustilago scitiminea Syd. in the Punjab. Sandhu, S S; Mehan, V K; Ram, R S; Sahni, S S; Sharma, J R *Indian Sugar* 25 (5): 423-426. Aug 1975

038723 464.8 IN3
A severe grapevine disease referred to black rot [Phoma uvicola] in La Spezia district. (Ita) Triolo, E *Inf Fitopatol* 25 (9): 9-13. Eng. Sum. Sept 1975

038724 464.8 IN3
Collar rot of the eggplant caused by Rhizoctonia solani Kuhn. (Ita) D'Ercole, N *Inf Fitopatol* 25 (8): 25-26. Aug 1975

038725 464.8 IN3
Cucumber mildew [Pseudoperonospora cubensis] in protected cultures. (Ita) D'Ercole, N *Inf Fitopatol* 25 (7): 11-13. Ref. Eng. Sum. July 1975

038726 464.8 IN3
Downy mildew [Peronospora brassicae] in cauliflower in central-northern Italy. (Ita) D'Ercole, N *Inf Fitopatol* 25 (9): 21-23. Eng. Sum. Sept 1975

038727 464.8 IN3
Technical and sanitary aspects on the control of brown rot [Monilia] of peaches and plums [Fungicide residues]. (Ita) Vismara, C; Ponti, I; Bencivelli, A; Musacci, P *Inf Fitopatol* 25 (9): 15-19. Eng. Sum. Sept 1975

038728 464.8 IN3
The presence of the grape black rot [Guignardia bidwellii] in La Spezia Province. (Ita) Corte, A *Inf Fitopatol* 25 (8): 15-20. Eng. Sum. Aug 1975

038729 464.8 IN3
Verticillium wilt of strawberry. II. Study of the diffusion of the pathogen agent in the stolon tissues and in young plants. (Ita) D'Ercole, N; Gavina, F *Inf Fitopatol* 25 (7): 5-10. Eng. Sum. July 1975

038730 16 IT1
Systemic character of benzimidazolic fungicides [Translocation in plants]. (Ita) Foschi, S; Svampa, G; Ponti, I; Flori, P *Ital Agric* 112 (9): 96-105. Eng. Sum. Sept 1975

038731 16 IT1
Wilt of the olive tree caused by Verticillium dahliae Kleb. (Ita) Cirulli, M *Ital Agric* 112 (6): 120-124. June 1975

038732 442.8 M66
The effect of some chemical compounds on germination of uredospores of Puccinia dispersa Erikss. et Henn. [Rust, rye]. (Rus) Siarova, Z IA; Reutskaia, L M; Padchufarava, H M *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 52-56. Ref. 1975

038733 107.6 T643
Nature of specific susceptibility to Alternaria kikuchiana in Nijisseiki cultivar among Japanese pears. IV. Target tissues of Alternaria kikuchiana toxin and their characteristic responses. Kasai, T; Otani, H; Kohmoto, K; Nishimura, S *J Fac Agric Tottori Univ* 10: 6-14. Ref. Mar 1975

038734 107.6 T643
Pathochemical studies on Rhizoctonia disease. VI. Enzyme activities presumably related to production of phenylacetic acid by Rhizoctonia solani. Kohmoto, K; Yamada, R; Kawamura, T; Nishimura, S *J Fac Agric Tottori Univ* 10: 1-5. Ref. Mar 1975

038735 389.8 J823
A circular paper technique for study of microbial growth [Aspergillus niger, Penicillium digitatum, citrus fruits]. Arora, K R; Date, W B *J Food Sci Tech* 12 (3): 143-144. May/June 1975

038736 99.8 N62
Needle rust of Pinus thunbergii caused by Coleosporium xanthoxyli Dietel et P. Sydow. (Jpn) Zinno, Y *J Jap For Soc* 57 (11): 369-374. Ref. Eng. Sum. Nov 1975

038737 99.8 N62
Studies of life-mode of Cercospora sequoiae Ell. Et Ev. In a warm district of Japan. V. Conidial production at different temperatures [Cryptomeria japonica]. (Jpn) Terashita, T *J Jap For Soc* 57 (11): 384-389. Eng. Sum. Nov 1975

038738 500 T25A
Variation in linear growth and sporulation of single spore isolates of Helminthosporium maydis. Hunter, P P; Hilty, J W *J Tenn Acad Sci* 51 (1): 16-18. Jan 1976

038739 68.29 C652
Better coffee farming. Control of coffee berry disease (CBD) [Colletotrichum coffeanum] and leaf rust. *Kenya Cof* 40 (472): 211-214. July 1975

038740 68.29 C652
The effect of weather conditions on infection by coffee berry disease [Colletotrichum coffeanum]. Cook, R T A *Kenya Cof* 40 (171): 190-197. June 1975

038741 11 L2322
Fungicide treatments for winter crops [Grain]. (Dan) Noddegaard, E *Landbo Nyt* 29 (9): 489-499. (7 P. Not Consecutive) Sept 1975

038742 11 L236
Observations from a field trip to Sor-Trondelag, 19 August 1975 [Fungus diseases of economic crops]. (Nor) Hansen, L R *Landbrukstidende* 81 (42): 905. Oct 18, 1975

038743 11 L236
Research concerning chemical control of storage rot in potatoes [Fungus diseases]. (Nor) Forsund, E; Kirkerod, T; Oyen, j *Landbrukstidende* 81 (46): 980-982. Nov 15, 1975

038744 99.9 W262
Occurrence of pathogenic fungi on trees incorrectly transplanted at an older age. (Pol) Grzywacz, A *Lesnictwo (Warsz)* 21: 85-92. Eng. Sum. 1975

038745 SD1.L44
Effect of chemical treatment of stumps from improvement cutting areas on the population and destruction by root rot. (Rus) Chernykh, A G *Lesovod Agrolesomelior* 41: 82-87. 1975

038746 105.9 K696
The selective effect of protecting substances [fungicides] on the microflora of grapes. (Ger) Minarik, E; Ragala, P *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 187-204. Ref. Eng. Sum. 1975

038747 SB353.M8
ADAS survey of mushroom diseases and fungicide usage 1974/5. Gaze, R H; Fletcher, J T *Mushroom J* 35: 370-374, 376. Nov 1975

038748 S19.M9
Comparative studies on the physiology of leaf, neck and earhead isolates of Helminthosporium sativum Pam., King and Bakke parasitic on wheat crop in Karnataka. Bidari, V B; Govindu, H C *Mysore J Agric Sci* 9 (3): 421-426. 1975

038749 S19.M9
Studies on market diseases [caused by fungi] of vegetables in Karnataka State. II. Hiremath, P C; Govindu, H C *Mysore J Agric Sci* 9 (3): 427-433. 1975

23 N48J
Degenetative diseases of lucerne [Corynebacterium insidiosum, Verticillium albo-atrum]. Crooks, M *N Z J Agric* 131 (6): 19-20. Dec 1975

038750 23 N4892
A paper disc technique for the recovery of Pythium spp. From soil or water. Robertson, G I *N Z J Agric Res* 18 (4): 409-410. Nov 1975

038751 23 N4892
Germination of Botrytis [cinerea] and Sclerotinia [sclerotiorum] spores in the presence of pollen on tobacco leaves. Hartill, W F T *N Z J Agric Res* 18 (4): 405-407. Nov 1975

450 N48
New Zealand fungi. 24. Capnokyma corticola gen. Nov., sp. Nov., a hyphomycetous sooty mould. Hughes, S J *N Z J Bot* 13 (4): 637-644. Dec 1975

038752 450 N48
Venturia asperata sp. Nov. And its Fusicladium state on apple leaves [Fungi, new taxa]. Samuels, G J; Sivanesan, A *N Z J Bot* 13 (4): 645-652. Dec 1975

038753 514 N482
Note on epidemiology and control of popular [Populus nigra]leaf rust [Melampsora larici-populina]. Sheridan, J E; Harper, J E; Stevenson, G *N Z J Sci* 18 (2): 211-216. June 1975

038754 472 N21
Ethylene-induced volatle inhibitors causing soil fungistasis. Balis, C *Nature* 259 (5539): 112-114. Jan 15, 1976

038755 472 N21
Involvement of DNA in resistance of potatoes to invasion by Phytophthora infestans. Yamamoto, M; Matsuo, K *Nature* 259 (5538): 63-64. Ref. Jan 1/8, 1976

038756 474 N213
The role of phytoalexin as the inhibitor of infection establishment in plant disease [Peas, Erysiphe]. Oku, H; Shiraishi, T; Ouchi, S *Naturwissenschaften* 62 (10): 486-487. Oct 1975

038757 TA593.A43
Spectral reflectance studies on healthy and fungus-infected cotton and corn plants in Egypt. Tawfik, F H; Khodair, M M; Abdel-Samie, A G; Abdel-Hady, M A *Pap Annu Meet Am Soc Photogramm* 40th: 154-174. 1974

450 P5622
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its biological activity towards the plant pathogenic fungus, Phytophthora cinnamomi]. Moss, M O; Jackson, R M; Rogers, D *Phytochemistry* 14 (12): 2706-2708. Dec 1975

038758 464.8 P565
Changes in the chlorophyll, plastoquinones and ubiquinone content of the peach leaves (cv. Elberta) infected by Taphrina deformans (Berk.) Tul. (Ita) Montalbini, P; Cappelli, C *Phytopathol Mediterr* 14 (1): 46-47. Apr 1975

038759 464.8 P56
A dominant gene conferring disease resistance to tobacco plants is expressed in tissue cultures [Phytophthora parasitica nicotianae, black shank]. Helgeson, J P; Haberlach, G T; Upper, C D *Phytopathology* 66 (1): 91-96. Jan 1976

038760 464.8 P56
A new 7-day spore sampler [for collection of airborne pathogenic fungi]. Kramer, C L; Eversmeyer, M G; Collins, T I *Phytopathology* 66 (1): 60-61. Jan 1976

038761 464.8 P56
A quantitative method for estimating density of Septoria tritici pycnidia on wheat leaves [Leaf blotch]. Eyal, Z; Brown, M B *Phytopathology* 66 (1): 11-14. Ref. Jan 1976

038762 464.8 P56
Application of two epidemiological models for the identification of slow stem rusting [caused by Puccinia graminis tritici] in wheat [varieties of varying susceptibility]. MacKenzie, D R *Phytopathology* 66 (1): 55-59. Jan 1976

038763 464.8 P56
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil [Black rot, papayas, Metrosideros collina, Acacia koa]. Hwang, S C; Ko, W H *Phytopathology* 66 (1): 51-54. Ref. Jan 1976

038764 464.8 P56
Brown sapwood stain of ponderosa pine [Pinus] caused by Cytospora sp.: cultural and histological aspects. Rogers, J D; Noskowiak, A F *Phytopathology* 66 (1): 25-27. Jan 1976

038765 464.8 P56
Criteria for evaluation of resistance to maize anthracnose [Colletotrichum graminicola]. Nicholson, R L; Warren, H L *Phytopathology* 66 (1): 86-90. Ref. Jan 1976

038766 464.8 P56
Estimating the efficiency of partial-vacuum inoculation of barley with Ustilago hordei [covered smut]. Groth, J V; Person, C O *Phytopathology* 66 (1): 65-69. Jan 1976

038767 464.8 P56
Identification of the races of Fusarium oxysporum f. Sp. Melonis causing wilt of muskmelon in California. Leary, J V; Wilbur, W D *Phytopathology* 66 (1): 15-16. Jan 1976

038768 464.8 P56
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. Pratt, R G; Mitchell, J E *Phytopathology* 66 (1): 81-85. Ref. Jan 1976

038769 464.8 P56
Mechanisms and stability of slow term rusting resistance in Avena sterilis. Sztejnberg, A; Wahl, I *Phytopathology* 66 (1): 74-80. Ref. Jan 1976

038770 464.8 P56
Multiple forms of endo-pectate lyase formed in culture and in infected squash hypocotyls by Hypomyces solani f. sp. cucurbitae. Hancock, J G *Phytopathology* 66 (1): 40-45. Ref. Jan 1976

038771 464.8 P56
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the alimentary canal of the bulb mite [Rhizoglyphus echinopus]. Price, D W *Phytopathology* 66 (1): 46-50. Ref. Jan 1976

038772 464.8 P56
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl [(5-chloro-2-thienyl)-methyl] phosphonium chloride. Erwin, D C; Tsai, S D; Khan, R A *Phytopathology* 66 (1): 106-110. Ref. Jan 1976

038773 464.8 P56
Screening tobacco seedlings for resistance to Phytophthora parasitica var. nicotianae [black shank]. McIntyre, J L; Taylor, G S *Phytopathology* 66 (1): 70-73. Ref. Jan 1976

038774 464.8 P56
The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. Kirkpatrick, B L; Sinclair, J B *Phytopathology* 66 (1): 102-105. Ref. Jan 1976

038775 464.8 P56
Three suction-type spore samplers [for collection of airborne pathogenic fungi]. Eversmeyer, M G; Kramer, C L; Collins, T I *Phytopathology* 66 (1): 62-64. Jan 1976

038776 464.8 P56
Vertical distribution and survival of Sclerotium oryzae [stem rot of rice] under various tillage methods [Cultural control]. Webster, R K; Bolstad, J; Wick, C M; Hall, D H *Phytopathology* 66 (1): 97-101. Jan 1976

038777 464.8 P566
Utilization of explants for evaluating susceptibility of oat cultivars to Septoria avenae f. sp. avenae. (Fre) Couture, L; Pelletier, G J *Phytoprotection* 56 (3): 148-154. Ref: Eng. Sum. Oct 1975

038778 421 P692
Leaf spot of tomato caused by Sclerotium rolfsii [Nigeria]. Erinle, I D; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 50-51. Apr 1975

038779 421 P692
Sheath rot [Acrocylindrium oryzae] of rice [India]. Subramanian, C L; Ramakrishnam, G; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 49. Apr 1975

038780 421 P692
Smut [Ustilago scitaminea] on sugar-cane. Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 49. Apr 1975

038781 20.5 P84
Systemic fungicides—their properties and application. (Pol) Przybylski, Z *Postepy Nauk Roln* 22 (1): 71-75. 1975

038782 S19.P7
Flag smut [Urocystis tritici] of wheat is becoming a serious problem in Punjab. Kang, M S; Chohan, J S *Prog Farming* 12 (3): 10-11. Nov 1975

038783 64.8 R18
Contribution to the methods of Sclerotinia sclerotiorum (Libert) Masse inoculation of sunflower. (Bul) Shopov, T *Rastenievud Nauk* 12 (7): 124-128. Eng. Sum. 1975

038784 100 OK4M
Evaluation of fungicides for the control of black spot [Diplicarpon rosae] of rose. Morrison, L S; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 54-55. Oct 1975

038785 9 R3222
Anthracnose of walnut trees (Juglans regia L.) produced by Phyllosticta juglandis (D.c.) Sacc. (Spa) Palacios de Garcia, M E; Mena, A J *Rev Agron Noroeste Argent* 12 (1/2): 107-118. Eng. Sum. 1975

038786 80 SA15
Apple black rot [Sphaeropsis malorum] in orchards under intensive cultivation. (Rus) Paterilo, G A *Sadovod Vinograd Vinodel Mold* 7: 39-40. July 1975

038787 80 SA15
Controlling gray rot [Botrytis cinerea] in stem-less vineyards. (Rus) Vyskvarko, G G *Sadovod Vinograd Vinodel Mold* 8: 41-43. Aug 1975

038788 SB117.S455
Detection and location of seed-borne inoculum of Ascochyta rabiei and its transmission in chickpea (Cicer arietinum). Maden, S; Singh, D; Mathur, S B; Neergaard, P *Seed Sci Technol* 3 (3/4): 667-681. Map. Ref. 1975

038789 SB117.S455
Detection of seed-borne fungi in sorghum and location of Fusarium moniliforme in the seed. Mathur, S K; Mathur, S B; Neergaard, P *Seed Sci Technol* 3 (3/4): 683-690. Ref. 1975

038790 SB117.S455
Disease transmission by seeds [Ascochyta, Phoma betae]. (Fre) Anselme, C *Seed Sci Technol* 3 (3/4): 649-654. 1975

038791 SB117.S455
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on maize seed germination and embryo growth. Brodnik, T *Seed Sci Technol* 3 (3/4): 691-696. Ref. 1975

038792 SB117.S455
Loose smut [Ustilago nuda] of barley: the embryo test as a means of assessing loose smut infection in seed stocks. Rennie, W J; Seaton, R D *Seed Sci Technol* 3 (3/4): 697-709. 1975

038793 SB117.S455
Observations on the condition of red clover seeds during storage [Botrytis anthophila, Alternaria tenuis]. (Fre) Narkiewicz-Jodko, M *Seed Sci Technol* 3 (3/4): 731-741. Eng. Sum. 1975

038794 SB117.S455
Seed-borne fungi of sesame in Uganda. Mathur, S B; Kabeere, F *Seed Sci Technol* 3 (3/4): 655-660. 1975

038795 SB117.S455
Seed-borne fungi of rice (Oryza sativa) in Nigeria [Drechslera oryzae, Pyricularia oryzae, Trichoconis padwickii]. Esuruoso, O F; Komolafe, C O; Aluko, M O *Seed Sci Technol* 3 (3/4): 661-666. Ref. 1975

038796 SB117.S455
Study of the transmission of Botrytis cinerea by sunflower (Helianthus annuus) seed. (Fre) Anselme, C; Champion, R *Seed Sci Technol* 3 (3/4): 711-717. Eng. Sum. 1975

038797 S13.S44
Artificial infection backgrounds in the development of field crops resistant to root diseases [Verticillium dahliae]. (Rus) Khotianovich, A V; Muromtsev, G S *S-kh Biol* 10 (4): 595-598. Ref. Eng. Sum. July-/Aug 1975

038798 S13.S44
Content of nucleic acids and protein in wheat leaves infected with rust [Puccinia graminis]. (Rus) Bushmarina, T V *S-kh Biol* 10 (1): 50-56. Ref. Eng. Sum. Jan/Feb 1975

038799 S13.S44
Determination of losses of the potato yield due to Phytophthora by the dynamics of injuries on leaves. (Rus) Tverskoi, D L; Gurevich, B I; Chebernina, T F; Strizhekozin, IU A *S-kh Biol* 10 (3): 438-440. Eng. Sum. May/June 1975

038800 S13.S44
Differentiation of the races of loose smut of wheat according to proteins of chlamidospores [Ustilago tritici]. (Rus) IAmaleev, A M; Krivchenko, V I; Gavriliuk, I P *S-kh Biol* 10 (3): 370-374. Ref. Eng. Sum. May/June 1975

038801 S13.S44
Economic foundation of the harmful effect of cotton wilt [Verticillium]. (Rus) Borisov, G N *S-kh Biol* 10 (4): 601-604. Eng. Sum. July-/Aug 1975

038802 S13.S44
Energy exchange in cotton in relation to its resistance to Fusarium wilt. (Rus) Guzhova, N V; Lebedeva, A F; Byvalova, T A *S-kh Biol* 10 (4): 623-625. July/Aug 1975

038803 S13.S44
Formation of indol compounds by different strains of Ustilago zeae (Beckm) Ung. [Smut, maize]. (Rus) Kuznetsov, L V; Skripka, O V; Kazakova, A S *S-kh Biol* 10 (3): 454-455. May/June 1975

038804 S13.S44
Formation of molecular hybrid forms in the system of isozymes of malate dehydrogenase in cotton and Fusarium [oxysporumvasinfectum]. (Rus) Kartashova, E R; Zolotukhina, E IU *S-kh Biol* 10 (1): 41-49. Ref. Eng. Sum. Jan/Feb 1975

038805 S13.S44
New virulent races of perenosporosis [Peronospora tabacina]of tobacco. (Rus) Pashchenko, I N *S-kh Biol* 10 (1): 140-142. Jan/-Feb 1975

038806 S13.S44
On the specificity of ultrastructure and function of cellular organoids in Verticillium dahliae (Kleb) [Wilt, cotton]. (Rus) Tukeeva, M I *S-kh Biol* 10 (3): 456-458. May/June 1975

038807 S13.S44
Problems of biochemistry of [fungal] pathogenesis and immunity in plants. (Rus) Rubin, B A *S-kh Biol* 10 (4): 483-496. Ref. Eng. Sum. July/Aug 1975

038808 S13.S44
Quality of proteins in Verticillium dahliae Klebahn and Fusarium oxysporum f. vasinfectum strains with different pathogenicity. (Rus) Balandina, I D; Shvetsova, L P; Voronkov, L A *S-kh Biol* 10 (1): 62-66. Eng. Sum. Jan/Feb 1975

038809 S13.S44
Resistance of hybrid seedlings of cherry to coccomycosis [Coccomyces hiemalis]. (Rus) Enikeev, Kh K *S-kh Biol* 10 (2): 237-240. Eng. Sum. Mar/Apr 1975

038810 S13.S44
Susceptibility of different variety types of [table] beet to storage rot [Botrytis cinerea] nicity [Botrytis cinerea]. (Rus) Shevchenko, V N; Krasochkin, V T; Toporovskaia, IU S; Kazantseva, L A *S-kh Biol* 10 (1): 57-61. Eng. Sum. Jan/Feb 1975

038811 S592.7.A1S6
The effects of soil-borne microorgaisms on the germination of chlamydospores of Tilletia caries and Tilletia foetida [Potential for the biological control of bunt]. Kollmorgen, J F; Jones, L C *Soil Biol Biochem* 7 (6): 407-410. Ref. Nov 1975

038812 511 AK146
Energy migration from photoreceptors of green region light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. (Rus) Dzneladze, A A; Kalichava, G S; Malaniia, D G *Soobshch Akad Nauk Gruz SSR* 80 (1): 197-200. Ref. Eng. Sum. Oct 1975

038813 SD1.S952
Is forest assessment of any value? Reply. (Swe) Yamaguchi, T *Sver Skogvardsforb Tidskr* 73 (5): 498-499. 1975

038814 99.8 SY52
Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. (Pol) Sierota, Z *Sylwan* 119 (9): 37-43. Ref. Eng. Sum. Sept 1975

038815 99.8 SY52
Problems of the chemical control of damping-off of seedlings in nurseries of the State Forests. (Pol) Grzywacz, A *Sylwan* 119 (7): 39-48. Ref. Eng. Sum. July 1975

038816 385 T29
Isolation of phytotoxic substances produced by Cephalosporium gregatum Allington & Chamberlain [Brown stem rot of azuki beans]. Kobayashi, K; Ui, T *Tetrahedron Lett* 47: 4119-4122. Nov 1975

038817 QD415.A1B58
Comparative properties and action patterns of the hemicellulases from the phytopathogens Ceratocystis paradoxa and Cephalosporium sacchari. Dekker, R F H; Richards, G N; Shambe, T *Trans Biochem Soc* 3 (6): 1081-1082. 1975

038818 451 B76
Cultural characteristics of Crumenula sororia [Stem canker, Pinus]. Hayes, A J; Ahmad, A M *Trans Br Mycol Soc* 65 (3): 403-412. Ref. Dec 1975

038819 451 B76
Formation of cleistothecia in Sphaerotheca mors-uvae [Mildew, currants]. Jackson, G V H; Wheeler, B E J *Trans Br Mycol Soc* 65 (3): 491-496. Ref. Dec 1975

038820 451 B76
Metabolite of Ceratocystis ulmi and its association with pathogenicity [Great Britain]. Barrett, D K; Skidmore, A M *Trans Br Mycol Soc* 65 (3): 469-475. Ref. Dec 1975

038821 451 B76
Pathogenicity of Cercosporella herpotrichoides to wheat, barley, oats and rye [Eyespot disease]. Scott, P R; Hollins, T W; Muir, P *Trans Br Mycol Soc* 65 (3): 529-538. Ref. Dec 1975

038822 451 B76
The concept and circumscription of Ganoderma tornatum [and Ganoderma applanatum, fungi pathogenic in Palmae]. Steyaert, R L *Trans Br Mycol Soc* 65 (3): 451-467. Dec 1975

038823 26 T754
Composition of soil and coffee leaves on plantations under varying copper fungicide spraying regimes. Aduayi, E A *Trop Agric (Guilford)* 53 (1): 63-68. Ref. Jan 1976

038824 80 T817
Further use of systemic fungicides in lettuce cultivation. (Dut) Benoit, F *Tuinbouwberichten* 39 (7/8): 295-296. (Continued) July/Aug 1975

038825 80 T817
Further use of systemic fungicides in lettuce cultivation. 2. (Dut) Benoit, F *Tuinbouwberichten* 39 (9): 356-357. Sept 1975

038826 80 T817
Prothiocarb as a means of controlling Phytophthora cactorum(Leb. & Cohn) Schroet. on strawberries. (Dut) Aerts, J *Tuinbouwberichten* 39 (9): 352-354. Ref. Sept 1975

038827 ASD11.A46
Insect mycophagy: a preliminary bibliography [Fungi, insectvectors]. Fogel, R; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric* 36, 21 P. Ref. 1975

038828 20 AK16
Creation of wheat varieties in relation to the dynamics of the racial composition of brown rust [Resistance breeding]. (Rus) Lesovoi, M P; Shkodenko, V I; Panteleev, V K *Vestn S-kh Nauki (Alma-Ata)* 10: 111-118. Eng. Sum. Oct 1975

038829 95.8 W435
Resistance of Botrytis cinerea to systemic fungicides in the valley of the Mosel and Saar [Grapes]. (Ger) Holz, B *Weinberg Keller* 22 (9): 373-380. Eng. Sum. Sept 1975

038830 95.8 W435
Transmission of fungus grape diseases by willow twigs [Phomopsis viticola]. (Ger) Holz, B *Weinberg Keller* 22 (10): 417-422. Eng. Sum. Oct 1975

038831 1 AG84Y
Plant [fungus] disease toll is cut with resistant varieties. Pound, G S; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 66-74. 1975

038832 1 AG84Y
The fire brigade stops a raging corn epidemic [Blight, Helminthosporium maydis]. Horsfall, J G; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 105-114. 1975

038833 18 J825
The interaction between foot rot infection and yield components of winter wheat in dependance on cultivation techniques. (Ger) Heyland, K U; Kochs, H J *Z Acker Pflanzenbau* 141 (4): 264-283. Ref. Nov 1975

038834 18 J825
The occurrence of stalk rot [Fusarium] of maize in dependence on row distance and susceptibility of hybrid cultivars. (Ger) Kruger, W; Reiner, L; Hoffmann, H *Z Acker Pflanzenbau* 141 (2): 160-164. Eng. Sum. Sept 1975

038835 464.8 Z3
A contribution to the occurrence of leaf spot fungi on Kentucky bluegrass (Poa pratensis L.). (Ger) Teuteberg, A *Z Pflanzenkr Pflanzenschutz* 81 (11): 690-701. Ref. Eng. Sum. 1974

038836 464.8 Z3
Control of potato scab by cultural practices [Streptomyces, Spongospora subterranea]. (Ger) Wenzl, H *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 410-440. Ref. 1975

038837 464.8 Z3
Evaluation of a number of systemic fungicides for the control of Typhula incarnata in winter barley. Ebenebe, C; Fehrmann, H *Z Pflanzenkr Pflanzenschutz* 81 (12): 711-716. Ref. 1974

038838 464.8 Z3
Fungicidal activity of N-chloroacyl benzylamines. Sadanandam, Y S; Indulkar, A S; Sattur, P B *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 493-497. 1975

038839 464.8 Z3
Infection and pathological histology of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. Kaiser, S A K M; Sen Gupta, P K *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 485-492. Ref. 1975

038840 464.8 Z3
Investigations on the development of Phytophthora cactorum (Leb. et Cohn) Schroet. in soil. (Ger) Meyer, D; Schonbeck, F *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 337-354. Ref. Eng. Sum. 1975

038841 464.8 Z3
Investigations on the soil phase of Phytophthora cactorum (Leb. et Cohn) Schroet. with fluorescent optical direct observation. (Ger) Gisi, U *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 355-377. Ref. Eng. Sum. 1975

038842 464.8 Z3
Nutritionally conditioned virulence of Pythium butleri and susceptibility of tomato in causing damping-off. Tripathi, N N; Grover, R K *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 531-539. 1975

038843 464.8 Z3
On the problem of the extent and threshold of damage by powdery mildes (Erysiphe graminis f. sp. hordei) on spring barley. (Ger) Klose, A; Fischbeck, G; Diercks, R *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 467-475. Ref. Eng. Sum. 1975

038844 464.8 Z3
Possibilities and limitations of the use of systemic fungicides. (Ger) Grossmann, F *Z Pflanzenkr Pflanzenschutz* 81 (11): 670-678. Ref. Eng. Sum. 1974

038845 464.8 Z3
Role of saponins in antifungal resistance. II. Tomatin dependent development of fruit rot organisms on tomato fruits. Schlosser, E *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 476-484. Ref. 1975

038846 464.8 Z3
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on barley leaves] as observed by scanning electron microscope. (Ger) Aust, H J; Hindorf, H *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 549-552. Eng. Sum. 1975

038847 450 Z36
Contribution to the genetics of tolerance towards Septoria nodorum Berk. in wheat (Triticum aestivum). (Ger) Bronnimann, A *Z Pflanzenzucht* 75 (2): 138-160. Ref. Eng. Sum. Sept 1975

038848 SB183.Z4
Effective means are necessary for the control of fungal diseases [of sunflowers]. (Rus) IUrenko, V I; Kogut, M M *Zern Maslichn Kul't* 9: 45. Sept 1975

038849 SB183.Z4
Timing of [winter rye] seeds treatment [with fungicide granozan]. (Rus) Kokina, A V *Zern Maslichn Kul't* 7: 35-36. July 1975

PLANT BACTERIAL DISEASES AND CONTROL

038850 442.8 AN72
Nutrient status of apple blossoms and their susceptibility to fire blight [Erwinia amylovora]. Aldwinckle, H S; Beer, S V *Ann Appl Biol* 82 (1): 159-163. Jan 1976

038851 464.9 P562
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. (Jpn) Ohuchi, A; Tominaga, T *Ann Phytopathol Soc Jap* 41 (2): 162-170. Ref. Eng. Sum. Apr 1975

038852 464.9 P562
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, plant residues and soils. (Jpn) Goto, M; Ohta, K; Okabe, N *Ann Phytopathol Soc Jap* 41 (2): 141-147. Eng. Sum. Apr 1975

038853 448.3 AP5
Ultrastructure of Rhizobium-induced infection threads in clover root hairs. Napoli, C A; Hubbell, D H *Appl Microbiol* 30 (6): 1003-1009. Ref. Dec 1975

038854 65.8 B73
Sugarcane: heat treatment for control of ratoon stunt [Xanthomonas]. (Por) Sousa, J A G C *Bras Acucar* 86 (4): 17-24. Ref. Oct 1975

038855 100 C12CAG
Watermelon rind necrosis [Erwinia, Bacillus] in Imperial Valley. Kontaxis, D G; Kurupas, T; California Agricultural Experiment Station *Calif Agric* 29 (9): 14-15. Sept 1975

038856 470 C16C
Effect of rifampin application time on crown-gall tumor induction by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. Anand, V K; Heberlein, G T *Can J Bot* 53 (22): 2581-2588. Ref. Nov 15, 1975

038857 SD1.E8
The necessity of using healthy propagation material of Salix alba in connection with the spread of Watermark disease [Erwinia salicis] in the Netherlands. Gremmen, J; Kam, M de *Eur J For Pathol* 5 (6): 376-383. Dec 1975

038858 QH611.A1H58
Soluble proteins and hydrolases during crown-gall [Agrobacterium tumefaciens] induction in the tomato, Lycopersicon esculentum. Sheikh, K M; Gahan, P B *Histochem J* 8 (1): 87-92. Ref. Jan 1976

038859 87 G75
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, melons, celery, onions, bacteria, molds]. (Bul) Toskov, N; Boshnakov, P; TSirkov, I *Hortic Vitic Sci* 12 (5): 70-74. Eng. Sum. 1975

038860 442.8 IN2
Phenolic compounds & polyphenol oxidase activity in relation to resistance in potatoes against bacterial soft rot [Erwinia carotovora]. Tripathi, R K; Verma; M N *Indian J Exp Biol* 13 (4): 414-416. July 1975

038861 464.8 IN2
Bacterial stripe of Euchlaena mexicana caused by Pseudomonas rubrilineans. Dange, S R S; Payak, M M *Indian Phytopathol* 27 (4): 567-570. Ref. Dec 1974 (Pub. 1975)

038862 464.8 IN2
Mineral composition of canker, halo and green regions of citrus leaves infected by Xanthomonas citri. Padmanabhan, D; Vidhyasekaran, P; Soumini Rajagopalan, C K *Indian Phytopathol* 27 (4): 640-641. Dec 1974 (Pub. 1975)

038863 444.8 IN8
The radiation-resistant red bacterium [Pseudomonas radiora]from rice. Engvild, K C; Berenstein, D *Int J Radiat Biol Relat Stud Phys Chem Med* 28 (2): 191-193. Aug 1975

038864 448.39 SO12
Development and properties of streptomycin resistant cultures of Erwinia amylovora derived from English isolates [from pear, apple and hawthorn trees]. Bennett, R A; Billing, E *J Appl Bacteriol* 39 (3): 307-315. Ref. Dec 1975

038865 442.8 AM3
Inheritance of resistance to bacterial leaf blight [Xantnomona oryzae] in rice. Singh, D P; Nanda, J S *J Hered* 66 (6): 384-386. Ref. Nov/Dec 1975

038866 442.8 J8223
Plant tumors [caused by Agrobacterium tumefaciens] resulting from unregulated hormone synthesis. Sachs, T *J Theor Biol* 55 (2): 445-453. Ref. Dec 1975

442.9 J27
Karyological studies on crown gall tumors [caused by Agrobacterium tumefaciens] of the pea. Kodama, A *Jap J Genet* 50 (4): 291-299. Aug 1975

038867 S19.J3
Improved DNA-DNA hybridization as a taxonomic tool for phytopathogenic bacteria. Murata, N *JARQ (Jap Agric Res Q)* 9 (3): 131-136. Ref. July 1975

038868 23 N48J
Degenetative diseases of lucerne [Corynebacterium insidiosum, Verticillium albo-atrum]. Crooks, M *N Z J Agric* 131 (6): 19-20. Dec 1975

038869 464.8 P56
Etiology of almond [Prunus amygdalus] leaf scorch disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. Mircetich, S M; Lowe, S K; Moller, W J; Nyland, G *Phytopathology* 66 (1): 17-24. Ref. Jan 1976

038870 464.8 P56
Induction of outgrowth formation on storage roots of sweetpotato due to plant pathogenic bacteria. Goto, M; Makino, T *Phytopathology* 66 (1): 28-33. Jan 1976

038871 464.8 P566
Crop disease losses in Canada and methods for their determination [Beans, bacterial blight]. Wallen, V R *Phytoprotection* 56 (3): 115-120. Oct 1975

038872 SB117.S455
An improved seed programme for maintaining disease-free seed of field beans (Phaseolus vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. Copeland, L O; Adams, M W; Bell, D C *Seed Sci Technol* 3 (3/4): 719-724. 1975

038873 442.9 M854
The results of studying bacterial diseases of sorghum on the Stavropol area. (Rus) Chumaevskaia, M A; Nikolaeva, N F *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 120-122. Eng. Sum. May/June 1975

038874 464.8 Z3
Electron microscopic investigations on the occurrence of rickettsia-like bacteria in the roots of Erica gracillis Salisb. (Ger) Fliege, H F *Z Pflanzenkr Pflanzenschutz* 81 (12): 765-767. Eng. Sum. 1974

PLANT VIRUS DISEASES AND CONTROL

038875 19 AC8
New host plants of three isometric plant viruses. Horvath, J *Acta Agron (Budap)* 24 (3/4): 387-392. 1975

038876 448.3 AC85
Serological differences between some isolates of bean yellow mosaic virus. Musil, M *Acta Virol* 19 (6): 473-480. Ref. Nov 1975

038877 256.13 AG82M
Commercial production of VTSC [virus tested stem cutting] seed potatoes]. Morrow, J L *Agric North Irel* 50 (8): 222-225. Dec 1975

038878 442.8 AN72
A single immunodiffusion drop test for the detection of lily symptomless virus. Slogteren, D H M van *Ann Appl Biol* 82 (1): 91-95. Ref. Jan 1976

038879 442.8 AN72
Occurrence of plantago mottle virus in pea, Pisum sativum, in New York State. Provvidenti, R; Granett, A L *Ann Appl Biol* 82 (1): 85-89. Ref. Jan 1976

038880 442.8 AN72
The transmission and effect on yield of rye grass mosaic virus in a filtered air environment. Gibson, R W; Plumb, R T *Ann Appl Biol* 82 (1): 79-84. Jan 1976

038881 464.9 P562
A mosaic disease of potato caused by potato virus S. (Jpn) Horio, H; Kumoi, K *Ann Phytopathol Soc Jap* 41 (2): 204-214. Ref. Eng. Sum. Apr 1975

038882 464.9 P562
Causal agent of "waika" [virus] disease of rice plants in Japan [transmitted by Nephotettix cincticeps]. (Jpn) Nishi, Y; Kimura, T; Maejima, I *Ann Phytopathol Soc Jap* 41 (2): 223-227. Eng. Sum. Apr 1975

038883 464.9 P562
Purification and serology of bean yellow mosaic virus [transmitted by Myzus amaranticolor]. Uyeda, I; Kojima, M; Murayama, D *Ann Phytopathol Soc Jap* 41 (2): 192-203. Ref. Apr 1975

038884 464.9 P562
Purification of rice stripe virus [transmitted by Laodelphax striatellus]. (Jpn) Koganezawa, H; Doi, Y; Yora, K *Ann Phytopathol Soc Jap* 41 (2): 148-154. Ref. Eng. Sum. Apr 1975

038885 464.9 P562
Small spherical virus particles found in rice plants infected with the "waika" disease. (Jpn) Doi, Y; Yamashita, S; Kusunoki, M; Arai, K; Yora, K *Ann Phytopathol Soc Jap* 41 (2): 228-231. Eng. Sum. Apr 1975

038886 464.9 P562
The inhibitory activity of alginic acid against tobacco mosaic virus infection. (Jpn) Tomaru, K; Ohkawa, Y *Ann Phytopathol Soc Jap* 41 (2): 155-161. Ref. Eng. Sum. Apr 1975

038887 464.9 P562
Transmission by green leafhopper, Nephotettix cincticeps Uhler of a new dwarf [virus] disease in rice plants. (Jpn) Yokoyama, S; Sakai, H *Ann Phytopathol Soc Jap* 41 (2): 219-222. Eng. Sum. Apr 1975

038888 SD1.A68
Some virus diseases of trees and shrubs. Cooper, J I; Sweet, J B *Arboric Assoc J* 2 (9): 399-406. Sept 1975

038889 450 AU72
The distribution and ultrastructural effects of passionfruit woodiness virus in bean leaves. Pares, R D; McGechan, J K *Aust J Bot* 23 (6): 905-914. Ref. Dec 1975

038890 383 SO1
Selective solubilization with sodium deoxycholate of membrane proteins from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. (Fre) Wroblewski, H *Biochimie* 57 (9): 1095-1098. Ref. 1975

038891 65.8 B73
Natural infection test with sugarcane mosaic virus. (Por) Matsuoka, S; Dodson, A K *Bras Acucar* 85 (4): 18-22. Eng. Sum. Apr 1975

038892 470 C16C
Callus cultures from potato tissues and the exclusion of potato virus X from plants regenerated from stem tips. Wang, P J; Huang, L C *Can J Bot* 53 (22): 2565-2567. Nov 15, 1975

038893 443.8 C16
Detection of virus-like particles in the coremia of Penicillium claviforme [Fungi]. Lai, H C; Zachariah, K *Can J Genet Cytol* 17 (4): 525-533. Ref. Dec 1975

038894 80 C125
Virus-free budwood sources. II. The Valencia orange. Nauer, E M; Roistacher, C N; Reuther, W; Calavan, E C; Goodale, J H; Blue, R L; Atkin, D R; Wagner, R L *Citrograph* 61 (2): 53-60. Dec 1975

038895 64.8 C883
Inheritance of resistance to cowpea chlorotic mottle virus (soybean strain) in soybeans. Boerma, H R; Kuhn, C W; Harris, H B *Crop Sci* 15 (6); 849-850. Nov/Dec 1975

038896 475 SCI23
Zinnia elegans Jacq.—the latent host of watermelon mosaic virus. Tewari, J P *Curr Sci* 45 (1): 37. Jan 5, 1976

038897 S13.B82
A study on the resistance to Lycopersicon [tomato] virus 3 Smith in progenies of Nicotiana tabacum L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. Stoyanova, M; Konotop, A *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 43-44. Ref. 1975

038898 S13.B82
Physiological and biochemical changes in tobacco plants after their inoculation with potato Y virus (Solanum virus 2 Smith). Stoyanova, M; Nikolov, S *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 67-71. Ref. 1975

038899 QK1.F5
Effect of grapevine infectious chlorosis virus on protein metabolism in the plant. (Rus) Milkus, B N; Eremeeva, N E *Fiziol Biokhim Kult Rast* 7 (5): 503-505. Ref. Eng. Sum. Sept/Oct 1975

038900 450 F58
Activity and localization of succinyl-conzyme A synthetase in tobacco leaves infected with tobacco mosaic virus. (Rus) Ladygina, M E; Tukeeva, M I; Aksenov, V P *Fiziol Rast (Mosk)* 22 (6): 1252-1258. Ref. Eng. Sum. Nov/Dec 1975

038901 99.8 F767
Cherry leaf roll virus causing a disease of Betula spp. In the United Kingdom. Cooper, J I; Atkinson, M A *Forestry* 48 (2): 193-203. Ref. 1975

038902 87 G75
Effect of yellow mosaic on the composition of free amino acids in the grape leaves. (Bul) Abrasheva, P *Hortic Vitic Sci* 12 (5): 123-127. Ref. 1975

038903 SB52.G43F6
Results of grape virus research. (Ger) Bruckbauer, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 224-233. 1974

038904 442.8 IN2
Brinjal [eggplant] leaf extract induced resistance to virus infection in plants. Verma, H N; Mukerjee, K *Indian J Exp Biol* 13 (4): 416-417. Ref. July 1975

038905 442.8 IN2
Post infection changes in nitrogen metabolism in virus infected Carica papaya L. [Papayas]. Johri, J K *Indian J Exp Biol* 13 (2): 220-221. Ref. Mar 1975

038906 448.8 IN22
Lesions by hepatitis-B [virus] antigen-containing sera in tobacco plants (Nicotiana tabaccum variety Xanthi). Kelkar, S S; Sengupta, S R; Gangawane, L V; Deshpande, K B *Indian J Med Res* 63 (8): 1199-1203. Aug 1975

038907 SB599.I47
Studies on a virus causing mosaic disease of chilli [Aphis gossypii, Aphis craccivora, Myzus persicae vectors]. Khatri, H L; Sekhon, I S *Indian J Mycol Plant Pathol* 4 (2): 121-125. Ref. July 1974 (Pub. 1975)

038908 464.8 IN2
Biochemical changes in leaves of different rice varieties due to tungro virus infection. Chowdhury, A K; Mukhopadhyay, S *Indian Phytopathol* 27 (4): 618-619. Dec 1974 (Pub. 1975)

038909 464.8 IN2
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [rice tungro virus] infected rice varieties. Chawdhury, A K; Mukhopadhyay, S *Indian Phytopathol* 27 (4): 571-574. Dec 1974 (Pub. 1975)

038910 464.8 IN2
Fluorescence microscopy in relation to wheat mosaic streak virus disease. Mayee, C D; Ganguly, B *Indian Phytopathol* 27 (4): 608-609. Dec 1974 (Pub. 1975)

038911 464.8 IN2
Identification of snakegourd mosaic virus. Dubey, G S; Nariani, T K; Prakash, N *Indian Phytopathol* 27 (4): 470-474. Dec 1974 (Pub. 1975)

038912 464.8 IN2
Some aspects of the relationship between mung bean yellow mosaic virus and its vector Bemisia tabaci. Rathi, Y P S; Nene, Y L *Indian Phytopathol* 27 (4): 459-462. Ref. Dec 1974 (Pub. 1975)

038913 464.8 IN2
Studies on the interaction between bottlegourd mosaic virus and powdery-mildew fungus, Sphaerotheca fuliginea. Mahmood, K; Akram, M; Qamar, S; Naqvi, A; Alam, M M *Indian Phytopathol* 27 (4): 627-629. Dec 1974 (Pub. 1975)

038914 464.8 IN2
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. Mahmood, K; Qamar, S; Naqvi, A; Alam, M M *Indian Phytopathol* 27 (4): 610-611. Dec 1974 (Pub. 1975)

038915 464.8 IN3
Virus diseases of vegetable crops in Apulia. XVIII. Shoe stringing of broadbean (Faba vulgaris Moench. var. major). (Ita) Rana, G L; Vovlas, C *Inf Fitopatol* 25 (8): 5-6. Eng. Sum. Aug 1975

16 IT1
Viruses [pathogenic to animals and plants; research projects, Italy]. (Ita) Lovisolo, O *Ital Agric* 112 (5): 50-52. May 1975

038916 442.8 M66
Nitrogen exchange in potato plants damaged by S and M viruses. (Bel) Ambrosau, A L; Shchutskaia, V V; Iasialevich, A I; Kozich, A I *Izv Akad Nauk BSSR, Ser Biol Nauk* 4: 38-43. Ref. 1975

038917 SB436.J6
Mycoplasma-associated diseases of trees. Wilson, C L; Seliskar, C E *J Arboric* 2 (1): 6-12. Ref. Jan 1976

QH301.J6
Appearances of microtubules [of Nephrotoma saturalis and rats] after various fixative procedures, and comparison with the appearances of tobacco mosaic virus. Forer, A; Blecher, S R *J Cell Sci* 19 (3): 579-605. Ref. Dec 1975

038918 QR360.A1J6
A double-helical structure for re-aggregated protein of Narcissus mosaic virus. Robinson, D J; Hutcheson, A; Tollin, P; Wilson, H R *J Gen Virol* 29 (3): 325-330. Ref. Dec 1975

038919 QR360.A1J6
Electron microscopy of some grasses and cereals infected with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. Chamberlain, J A; Catherall, P L *J Gen Virol* 30 (1): 41-50. Ref. Jan 1976

038920 QR360.A1J6
Optical diffraction from particles of Narcissus mosaic virus. Tollin, P; Wilson, H R; Mowat, W P *J Gen Virol* 29 (3): 331-333. Dec 1975

038921 QR360.A1J6
Polyamino acid induced aphid [Myzus persicae] transmission of plant viruses [Tobacco]. Pirone, T P; Kassanis, B *J Gen Virol* 29 (3): 257-266. Ref. Dec 1975

038922 440.8 J822
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. Horne, R W; Hobart, J M; Pasquali-Ronchetti, I *J Ultrastruct Res* 53 (3): 319-330. Ref. Dec 1975

038923 440.8 J822
Ferritin in insect vectors [Cicadulina mbila] of the maize streak disease agent electron microscopy and electron microprobe analysis. Kimura, M; Seveus, L; Maramorosch, K *J Ultrastruct Res* 53 (3): 366-373. Ref. Dec 1975

038924 440.8 J822
The packing of southern bean mosaic virus [cowpea strain] in various crystal cells. Akimoto, T; Wagner, M A; Johnson, J E; Rossmann, M G *J Ultrastruct Res* 53 (3): 306-318. Ref. Dec 1975

038925 440.8 J822
Ultrastructure of white-streaked dendrobium phalaenopsis orchid flowers infected with a rhabdovirus. Lawson, R H; Ali, S *J Ultrastruct Res* 53 (3): 345-353. Ref. Dec 1975

038926 448.8 J273
Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of virus particles recovered from inoculated leaves. Hayashi, T *Jap J Microbiol* 19 (5): 399-401. Oct 1975

038927 23 N4892
Field studies with apple mosaic virus. Wood, G A; Chamberlain, E E; Atkinson, J D; Hunter, J A *N Z J Agric Res* 18 (4): 399-404. Ref. Nov 1975

038928 23 N4892
Studies on tomato aspermy virus from Chrysanthemum indicum L. in New Zealand. Procter, C H *N Z J Agric Res* 18 (4): 387-390. Nov 1975

038929 23 N4892
Survey of viruses infecting Daphne in New Zealand. Forster, R L S; Milne, K S *N Z J Agric Res* 18 (4): 391-398. Ref. Nov 1975

038930 472 N21
The structure of the protein disk of tobacco mosaic virus to 5 A [angstrom] resolution. Champness, J N; Bloomer, A C; Bricogne, G; Butler, P J G; Klug, A *Nature* 259 (5538): 20-24. Ref. Jan 1/8, 1976

038931 464.8 P56
Aggregation properties of carnation [Dianthus caryophyllus]ringspot virus. Tremaine, J H; Ronald, W P; Valcic, A *Phytopathology* 66 (1): 34-39. Ref. Jan 1976

038932 421 P692
Studies with cowpea aphid-borne mosaic virus and its effect on cowpea in Iran [Vectors]. Kaiser, W J; Mossahebi, G H; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 33-39. Ref. Apr 1975

038933 64.8 R18
Investigations on laboratory methods in estimating the resistance of potato selection materials to leaf roll virus [induced through viruliferons Myzus persicae]. (Bul) Iotov, L *Rastenievud Nauk* 12 (6): 126-133. Eng. Sum. 1975

038934 9 R3222
Applications of mineral oils for deterring potato virus Y infections in redpepper crops. (Spa) Ramallo, J C; Garcia, A E; Weht, S; Roncedo, L R *Rev Agron Noroeste Argent* 12 (1/2): 181-182. 1975

038935 9 R3222
Behavior of four bush redpepper varieties treated with insecticidal oils for retarding potato virus Y. (Spa) Roncedo, L R; Ramallo, J C; Garcia, A E; Weht, S *Rev Agron Noroeste Argent* 12 (1/2): 179-180. 1975

038936 9 R3222
Burley and Virginia-type tobacco simultaneously affected byseveral viruses in the Province of Tucuman. (Spa) Ramallo, J C; D'Elia de Diaz Botta, B E; Weht, S *Rev Agron Noroeste Argent* 12 (1/2): 155-158. Eng. Sum. 1975

038937 9 R3222
Chemical control of the tomato spotted wild virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. (Spa) Ramallo, J C; Garcia, A; Weht, S *Rev Agron Noroeste Argent* 12 (1/2): 119-139. Ref. Eng. Sum. 1975

038938 9 R3222
Influence of the tobacco mosaic virus (TMV), artificially inoculated, on yields of Virginia tobacco. (Spa) Ramallo, J C; Garcia, A E; Weht, S *Rev Agron Noroeste Argent* 12 (1/2): 141-154. Eng. Sum. 1975

038939 SB117.S455
Aseptic culture of soybean and peanut embryonic axes to improve phytosanitation of plant introductions [to control virus diseases]. Braverman, S W *Seed Sci Technol* 3 (3/4): 725-729. Ref. 1975

038940 S13.S44
Molecular mechanisms of the thermoinactivation of [plant and animal] viruses. (Rus) Kozhanov, N G; Kolosov, V M; Savve, V D *S-kh Biol* 10 (3): 400-406. Ref. Eng. Sum. May/June 1975

038941 S13.S44
Transformation of ultrastructure of grape leaves under the effect of infectious chlorosis virus. (Rus) Milkus, B N; Shtein-Margolina, V A; Kozar, F E *S-kh Biol* 10 (4): 548-550. Eng. Sum. July/Aug 1975

038942 S13.S44
Use of adjuvants for the mass production of diagnostic sera for some potato viruses. (Rus) Pogoril'ko, N A; Shelud'ko, IU M *S-kh Biol* 10 (4): 551-554. Ref. Eng. Sum. July-/Aug 1975

038943 80 T817
New disease of carrots in a "virus". (Dut) Goossens, A *Tuinbouwberichten* 39 (3): 97-98. Mar 1975

038944 464.8 Z3
A new micromethod for the latex agglutination test [to detect plant viruses]. Marcussen, O F; Lundsgaard, T *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 547-548. 1975

038945 464.8 Z3
Demonstration of virus-like particles in sweet chestnut [Castanea savits] and oak [Quercus cerris] with leaf deformations in Hungary. Horvath, J; Eke, I; Gal, T; Dezsery, M *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 498-502. Ref. 1975

038946 464.8 Z3
Infection of Pythium arrhenomanes in vitro with tobacco mosaic virus and tobacco necrosis virus. Nienhaus, F; Mack, C *Z Pflanzenkr Pflanzenschutz* 81 (12): 728-731. 1974

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

038947 S544.3.W6W53
Peas—insect and disease control. Wade, E K; Apple, J W; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2354, 4 P. Jan 1976

038948 10 G79LA
Cereal cyst eelworm [Heterodera avenae, Nematodes]. *Advis Leafl G B Minist Agric Fish Food* 421, Rev., 5 P. 1975

038949 22 AG832
Comparative study of Nicotiana tabacum [tobacco] varieties in relation to root knot nematodes. Ali, B *Agric Pak* 26 (1): 67-69. Mar 1975

038950 381 AG85
New compound may be answer to [plant] zinc deficiencies. *Agrichem Age* 18 (8): 13-14. Nov/Dec 1975

038951 26 AG86
Main diseases of pearlmillet and sorgum in Cameroon. (Fre) Foko, J *Agron Trop (Paris)* 30 (1): 35-42. Eng. Sum. Jan/Mar 1975

038952 80 AM371
Manganese deficiency—common in maples [Acer]. 4. Smith, E M *Am Nurserym* 143 (1): 11, 131-132. Jan 1, 1976

038953 442.8 AN72
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. Maughan, G L; Dunning, R A; Atkinson, K M; John, M E *Ann Appl Biol* 82 (1): 97-108. Ref. Jan 1976

038954 442.8 AN72
Fumigation with D-D or Telone on soils prone to Docking disorder. II. Effects on numbers of Trichodorus spp. and Longidorus spp. (Nematoda). Cooke, D A; Winfield, A L; Atkinson, K M; John, M E; Wilson, W R *Ann Appl Biol* 82 (1): 109-115. Ref. Jan 1976

038955 450 AN7
Effect of seed damage on growth and development in pea (Pisum sitivum L.) and wheat (Triticum aestivum L.). Chin, H F; Aitken, Y *Ann Bot* 40 (165): 91-98. Ref. Jan 1976

038956 421 AN9
Growth and reproduction of the field vole Microtus agrestisL.) in forest plantations [Pests]. (Ger) Baumler, W *Anz Schadlingskd Pflanzenschutz* 48 (9): 129-134. Ref. Eng. Sum. Sept 1975

038957 80 AR2
Studies on bitter pit of apple. III. Effect of leaf spraying with different products. (Ger) Fiedler, W; Hertneck, M *Arch Gartenbau* 23 (7): 415-427. Ref. Eng. Sum. 1975

038958 TD881.A8
Response of plant fruiting to hydrogen fluoride fumigation [Pollution injuries]. Pack, M R; Sulzbach, C W *Atmos Environ* 10 (1): 73-81. Ref. 1976

038959 423.92 C16F
Damage to vegetation in the vicinity of a phosphorus plant, Long Harbour, Newfoundland. Sidhu, S S; Roberts, B A *Bi-mon Res Can For Serv* 31 (6): 41-42. Map. Nov/-Dec 1975

20 ER4
Effect of caffeine on radiation damage in wheat with different ploidy. (Rus) Muradian, A A; Avakian, V A *Biol Zh Arm* 28 (5): 53-57. Ref. May 1975

038960 20 ER4
Toxicity threshold of soil salts for some varieties of apples. (Rus) Petrosian, G P; Tarverdian, V I; Khizantsian, S M *Biol Zh Arm* 28 (5): 41-46. May 1975

038961 450 B622
Effects of oil spill on the shore vegetation [Pollution injuries]. (Nor) Hoiland, K *Blyttia* 33 (3): 141-149. Maps. Eng. Sum. 1975

038962 65.8 B73
Phytopathology program of the National Program for Sugarcane Improvement, the Sugar and Alcohol Institute, Brazil. (Por) Ram, C *Bras Acucar* 86 (3): 19-23. Sept 1975

038963 275.29 AR42BU
Vegetable garden pests. Carruth, L A; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 81, 11 P. 1975

512 W262
Field experiment on the effect of municipal sewage on macrophytes and epifauna in the lake littoral [Tests with Potamogeton perfoliatus]. Ozimek, T; Sikorska, U *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 447-455. 1975

038964 2 F668
Index of plant diseases in Florida. Wehlburg, C; Langdon, K R; Alfieri, S A Jr; Kimbrough, J W *Bull Fla Dep Agric* 11, 285 P. June 1975

038965 100 C12CAG
Chemical control of the sugarbeet cyst nematode [Heteroderaschachtii] in Imperial Valley. Kontaxis, D G; Thomason, I J; Yu, P; Smith, B; California Agricultural Experiment Station *Calif Agric* 29 (12): 6-7. Dec 1975

038966 100 C12CAG
Zinc deficiency in California rice. Mikkelson, D S; Brandon, D M; California Agricultural Experiment Station *Calif Agric* 29 (9): 8-9. Sept 1975

470 C16C
Ageing characteristics of wood of healthy and sandhill-declined Citrus sinensis [Sweet oranges]. Nemec, S *Can J Bot* 53 (23): 2712-2719. Ref. Dec 1, 1975

038967 470 C16D
Meloidogyne microtyla [root-knot nematode] sp. Nov. From southwestern Ontario, Canada. Mulvey, R H; Townshend, J L; Potter, J W *Can J Zool* 53 (11): 1528-1536. Nov 1975

038968 470 C16D
Ultrastructure of the esophageal procorpus in the plant parasitic nematode, Tylenchorhynchus dubius, and functional aspects in relation to feeding. Anderson, R V; Byers, J R *Can J Zool* 53 (11): 1581-1595. Plates. Ref. Nov 1975

65.9 Q3C
How to avoid hormone damage in Q80 [Control, weeds]. Boyle, H L *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 64-65. Oct 1975

038969 80 C125
Copper spray injury and correction of citrus maladies. Klotz, L J *Citrograph* 61 (2): 62-64. Dec 1975

038970 80 C125
Making better use of frost forecasts [Citrus]. Hamilton, R S *Citrograph* 61 (3): 83-92. Jan 1976

038971 73.8 C82
The appearance of potassium deficiency in cotton/food crop rotation on ferralitic soil in the Central African Republic. (Fre) Dubernard, J *Coton Fibres Trop* 30 (2): 263-270. Eng. Sum. June 1975

038972 64.8 C883
Heterosis and combining ability estimates for air pollution damage, primarily ozone, in Maryland tobacco. Huang, T S R; Aycock, M K Jr; Mulchi, C L *Crop Sci* 15 (6): 785-789. Ref. Nov/Dec 1975

038973 SD1.E8
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. (Ger) Yee-Meiler, D *Eur J For Pathol* 5 (6): 329-338. Ref. Eng. Sum. Dec 1975

038974 S155.A1O5
Frozen apples. Lougheed, E C *Factsheet Ont Minist Agric Food* 2 P. Aug 1975

038975 S583.F3
Tree injection—new application technique [Disease control]. *Farm Chem* 138 (12): 64-66. Dec 1975

038976 QK1.F5
Regeneration in winter wheat varieties differing by winter hardiness after mechanical damages. (Rus) Sarsenbaev, K N *Fiziol Biokhim Kult Rast* 7 (5): 470-473. Ref. Eng. Sum. Sept/Oct 1975

450 F58
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. (Rus) Samiev, Kh S; Marfina, K G *Fiziol Rast (Mosk)* 22 (6): 1259-1264. Ref. Eng. Sum. Nov/Dec 1975

450 F58
Metabolism of protein and nucleic acids during adaptation to various types of drought [Wheat]. (Rus) Kozhushko, N N; Udovenko, G V *Fiziol Rast (Mosk)* 22 (6): 1239-1244. Ref. Eng. Sum. Nov/Dec 1975

450 F58
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of potassium nutrition [Field beans, sunflowers]. (Rus) Tumanov, I I; Trunova, T I; Zvereva, G N; Smirnova, N A *Fiziol Rast (Mosk)* 22 (6): 1232-1238. Eng. Sum. Nov/Dec 1975

038977 80 W41
Poinsettia root and stem rot control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and Thielaviopsis basicola]. Peterson, J L; Davis, S H *Florists Rev* 157 (4065): 31. Oct 30, 1975

038978 80 G1948
Applying plant protection products in bedded apple plantations. (Ger) Lux, P *Gartenbau* 22 (11): 342-343. Nov 1975

038979 80 G1948
Diseases and pests of special fruit crops. II. (Ger) Rode, H *Gartenbau* 22 (10): 315-317. Oct 1975

038980 80 G1948
Diseases and physiological damage to leaves of pome fruit. (Ger) Paetzold, D; Rode, H *Gartenbau* 22 (12): 380-381. Dec 1975

038981 80 G1948
Experience from the operation of a permanent mixing an filling station for plant protection in fruit plantations. (Ger) Seidl, V; Lansky, M *Gartenbau* 22 (11): 341-342. Nov 1975

038982 80 G1948
Newly allowed plant protection products and means for controlling biological processes in horticulture. (Ger) Schmidt, H H; Hamann, W *Gartenbau* 22 (9): 281-282. Sept 1975

038983 80 G1948
Phytosanitary measures in concentrated, industrial field vegetable production. (Ger) Bochow, H *Gartenbau* 22 (12): 378-380. Dec 1975

038984 80 G1948
Plant protection and pest control in orchids culture. (Ger) Jacob, M *Gartenbau* 22 (8): 253-255. Aug 1975

038985 80 G1948
Rational soil disinfection with chemicals. (Ger) Mende, G *Gartenbau* 22 (11): 348-349. Nov 1975

038986 80 G1938
Bursting of sweet cherries. (Nor) Mage, F *Gartneryrket* 65 (26/27): 460-462. July 4, 1975

038987 S19.G74
Revolution in concept potentiality and achievements of pest control since independence [India]. Pradhan, S *Green Revolution* P. 75-76. 1974

038988 SB476.G7
Controlling cool weather turfgrass diseases. 1. Shurtleff, M C *Grounds Maint* 10 (11): 14-16, 19-20, 22. Nov 1975

038989 26 H27
From friend to foe: the Syrian woodpecker [Crop pests]. (Heb) Ron, M *Hassadeh* 56 (2): 321. Nov 1975

038990 26 H27
Pest control review [Plants]. (Heb) Sofer, S *Hassadeh* 56 (2): 313-315. Nov 1975

038991 100 AL1H
Irrigation, nematicide boost fall rye production. Hoveland, C S; Rodriguez-Kabana, R; Starling, J G; Mims, R M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 6. Winter 1975

87 G75
Study of frost resistance and regenerative ability of certain white wine varieties of grapes grown with high-training in the Pleven District. (Bul) Kurtev, P; Donchev, A *Hortic Vitic Sci* 12 (5): 86-92. 1975

038992 SB1.H6
Critical level of airborne sea salt inducing foliar injury to bean. Williams, D J; Moser, B C *Hortsci* 10 (6): 615-616. Ref. Dec 1975

038993 SB1.H6
Phytotoxicity of copper treated burlap on balled and burlapped Cotoneaster divaricata Rehd. & Wils. Kuhns, L J; Sydnor, T D *Hortsci* 10 (6): 613-614. Dec 1975

038994 100 IL64
Controlling apple diseases without damaging fruit set. Ries, S M; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 14-15. Fall 1975

RA565.M3
Air pollution [harmful to man, animals, plants]. Lillington, G A *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 305-313. Ref. 1974

038995 SB52.G43F6
Damage causing nematodes in viticulture. (Ger) Rudel, M *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr-Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 233-243. Ref. 1974

038996 SB52.G43F6
Main tasks on the area of fungus disease agents and abiotic disease phenomena [Grapes]. (Ger) Eichhorn, K W; Lorenz, D *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 213-222. Ref. 1974

038997 SB52.G43F6
Tasks in the field of general plant protection [Grapes]. (Ger) Ehrenhardt, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 191-198. 1974

038998 S471.I4S92
Green Revolution and pests. Deoras, P J *In Symp on Green Revolution* P. 153-156. 1974

038999 S471.I4S92
Role of plant diseases in Green Revolution. Raychaudhri, S P *In Symp on Green Revolution* P. 198-202. Ref. 1974

039000 442.8 IN2
Biochemical nature of boron toxicity in groundnut. Gopal, N H *Indian J Exp Biol* 13 (4): 402-403. Ref. July 1975

039001 442.8 IN2
Effect of margosa & marigold root exudates on mortality & larval hatch of certain nematodes. Alam, M M; Masood, A; Husain, S I *Indian J Exp Biol* 13 (4): 412-414. Ref. July 1975

039002 442.8 IN2
Resistance of algae to dichlorophen toxicity. Saxena, P N; Singh, B P *Indian J Exp Biol* 13 (4): 408-409. July 1975

SB599.I47
Antihelminthic properties of punnakkai cake (Calophyllum inophyllum) [Nematocides]. Pillai, S N; Desai, M V; Shah, H M *Indian J Mycol Plant Pathol* 4 (2): 145-150. July 1974 (Pub. 1975)

039003 SB599.I47
Effect of extracts and distillates of amended soil on the activity of Meloidogyne javanica [Okra, tomatoes]. Sitaramaiah, K; Singh, R S; Pal, B P *Indian J Mycol Plant Pathol* 4 (2): 138-144. Ref. July 1974 (Pub. 1975)

039004 SB599.I47
The biology of cereal-cyst nematode, Heterodera avenae in India. I. Effect of moisture and temperature on the survival of cyst contents. Mathur, B N; Arya, H C; Handa, D K; Mathur, R L *Indian J Mycol Plant Pathol* 4 (2): 151-156. Ref. July 1974 (Pub. 1975)

464.8 IN2
Rhizosphere fungi and nematodes of eggplant as influenced by oilcake amendments. Khan, M W; Khan, A M; Saxena, S K *Indian Phytopathol* 27 (4): 480-484. Ref. Dec 1974 (Pub. 1975)

464.8 IN2
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. Mahmood, K; Qamar, S; Naqvi, A; Alam, M M *Indian Phytopathol* 27 (4): 610-611. Dec 1974 (Pub. 1975)

039005 464.8 IN3
Effects of various plants on root-knot nematodes in two-years tobacco rotation plots. (Ita) Di Muro, A *Inf Fitopatol* 25 (8): 7-14. Ref. Eng. Sum. Aug 1975

039006 464.8 IN3
How to prolong the efficacy of utilized pesticides [Plant pests and disease control]. (Ita) Mallegni, A *Inf Fitopatol* 25 (8): 21-23. Aug 1975

039007 65.8 IN8
Protecting the sugarcane crop from frost. Gowing, D P *Int Sugar J* 923: 326-329. Nov 1975

039008 20 M57AG
Biological control of plant diseases. (Ger) Manka, K *Int Z Landwirtsch* 6: 664-668. 1975

039009 20 M57AG
Effective plant protection in vegetable culture. (Ger) Narkiewicz-Jodko, J *Int Z Landwirtsch* 6: 657-661. 1975

039010 20 M57AG
The chemical method as a component of integrated plant protection. (Ger) Nowoshilow, K *Int Z Landwirtsch* 6: 653-656. 1975

20 M57AG
The scientifically founded agrochemical care and control of agriculture in Hungary [Fertilizers, plant protection]. (Ger) Gerei, L *Int Z Landwirtsch* 6: 623-626. 1975

039011 20 M57AG
Urgent problems in the protection of the forest from pests and diseases [Poland]. (Ger) Burzynski, J *Int Z Landwirtsch* 6: 697-702. Maps. 1975

039012 16 IT1
Plant protection chemicals and plant regulators [Research projects, Italy]. (Ita) Baldini, E *Ital Agric* 112 (5): 38-42. May 1975

22.5 AG862
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, Paspalum notatum] inhibiting the growth of banana. (Chi) Wu, M M H; Hsieh, H W; Liu, C L *J Agric Assoc China* (New Ser.) 90: 54-63. Ref. Eng. Sum. June 1975

039013 385 AG8
Biological studies on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, Iris and Crocus. (Jpn) Suketa, Y; Masui, Y; Hayakawa, S; Sugeno, Y; Yamamoto, T *J Agric Chem Soc Jap* 49 (12): 647-652. Ref. Eng. Sum. Dec 1975

039014 8 P832J
Nutritional deficiencies of yams (Dioscorea spp.) and related effects on yield and leaf composition. Gaztambide, S; Cibes, H R *J Agric Univ P R* 59 (4): 264-273. Oct 1975

039015 410 J828
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) [Maize, pests]. Dyer, M I *J Appl Ecol* 12 (3): 719-726. Dec 1975

039016 SB436.J6
Some new ideas in tree care [for decay control]. Shigo, A L *J Arboric* 1 (12): 234-237. Dec 1975

039017 SB436.J6
The response of woody species to air pollutants in an urban environment. Brennan, E; Rhoads, A F *J Arboric* 2 (1): 1-5. Map. Jan 1976

039018 QH540.J6
Photochemical oxidants in Yonkers, New York: [Ozone] effects on yield of bean and tomato. MacLean, D C; Schneider, R E *J Environ Qual* 5 (1): 75-78. Ref. Jan/Mar 1976

039019 QH540.J6
Yield and cadmium accumulation of forage species in relation to cadmium content of sludge-amended soil. Bingham, F T; Page, A L; Mahler, R J; Ganje, T J *J Environ Qual* 5 (1): 57-60. Ref. Jan/Mar 1976

450 J8224
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and fungal pathogens]. Puritch, G S; Mullick, D B *J Exp Bot* 26 (95): 903-910. Ref. Dec 1975

039020 107.6 T643
Physiological and psychological analysis of the acceptability of acute rodenticides by rats. Kusano, T *J Fac Agric Tottori Univ* 10: 15-26. Ref. Mar 1975

039021 448.3 J824
Mechanism of unbalanced growth and death of biotin-deficient yeast [Saccharomyces cerevisiae] cells in the presence of aspartic acid. Mizunaga, T; Kuraishi, H; Aida, K *J Gen Appl Microbiol* 21 (5): 305-316. 1975

039022 S19.J3
Crop damage caused by drought. Ishimaru, H *JARQ (Jap Agric Res Q)* 9 (3): 127-130. July 1975

039023 80 K122
Control of snow and field mice injuries to fruit orchards [Grapes, persimmons]. (Jpn) Hasegawa, N *Kajitsu Nippon* 30 (2): 40-44. Feb 1975

039024 80 K122
Varietal renewal and disease control in citrus culture. 2. (Jpn) Yamada, S *Kajitsu Nippon* 30 (2): 26-31. Feb 1975

039025 75.8 K145
Pathogenic types of potato nematodes. (Ger) Rumpenhorst, H J *Kartoffelbau* 26 (9): 270, 272 Sept 1975

039026 442.8 K84
Cecidia—a natural example of "genetic engineering" [Plant galls]. (Pol) Moskwa, W *Kosmos, Ser A Biol* 24 (4): 335-348. Ref. 1975

039027 11 L2322
Prevention of storage disease in potatoes. (Dan) Henriksen, J B *Landbo Nyt* 29 (10): 555-560, 563. Oct 1975

039028 11 L2322
The most current and serious diseases and pests in field crops this year. (Dan) Bagger, O *Landbo Nyt* 29 (11): 614-622. Nov 1975

039029 105.2 OR3
The influence of storage conditions on disease in potatoes. (Dut) Miejers, C P *Landbouwkd Tijdschr* 87 (2): 44-51. Ref. Feb 1975

039030 105.2 OR3
The significance of research in plant [disease] protection. (Dut) Tiel, N van *Landbouwkd Tijdschr* 87 (2): 40-43. Feb 1975

039031 99.8 L5622
The phenomenon of "depression" in hardwood, broadleaved forests [Physiological diseases, forest trees]. (Rus) Lositskii, K B *Lesn Khoz* 12: 40-44. Ref. Dec 1975

039032 421 M33
Cellulase secretion by second stage larvae of the root-knot nematode (Meloidogyne javanica) [Tomatoes]. Bird, A F; Downton, W J S; Hawker, J S *Marcellia* 38 (2/3): 165-169. Ref. Jan/Mar 1975

039033 421 M33
Current literature on phytopathological morphogenesis and cecidology an annotated bibliography. *Marcellia* 38 (2/3): 275-286. Ref. Jan/Mar 1975

039034 105.1 G344
New pesticides as a means to improve the productiviness of ornamental conifers [Pratylenchus penetrans, Chamaecyparis lawsoniana columnaris, namatodes]. (Dut) Heungens, A *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1399-1406. Ref. Eng. Sum. 1974

039035 100 M668
Air pollutants damage plants. Zarkin, D A; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 13-14. Fall 1975

039036 100 M668
Plant attack by air pollution: Minnesota impacts [Injuries]. Krupa, S V; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 8-12. Map. Fall 1975

039037 S19.M9
Pathogenicity and control of root-knot nematodes (Meloidogyne spp.) infecting chickpea. Reddy, D D R *Mysore J Agric Sci* 9 (3): 434-439. 1975

039038 S19.M9
Plant protection practices and problems of vegetable growers in Bangalore District. Rajagopal, D; Khan, M M; Srinivasamurthy, J; Delvi, M H; Vishakantaiah, M *Mysore J Agric Sci* 9 (3): 499-509. 1975

039039 23 N4892
Control of bitter pit in apples with lecithin and calcium [Physiological disease]. Reid, M S; Padfield, C A S *N Z J Agric Res* 18 (4): 383-385. Nov 1975

039040 23 N4892
Influence of nematicides on growth of plots of white clover on a yellow-brown loam. Yeates, G W; Healy, W B; Widdowson, J P; Thomson, N A; MacDiarmid, B N *N Z J Agric Res* 18 (4): 411-416. Nov 1975

039041 514 N482
Lead from motor-vehicle exhausts in sweet-corn plants and soils along a highway in Hawke's Bay, New Zealand. Ward, N I; Reeves, R D; Brooks, R R *N Z J Sci* 18 (2): 261-267. Ref. June 1975

039042 SB998.N4N4
Notes on two experiments with nematode control in sugarcane. Harris, R H G *Nematropica* 5 (2): 40-44. Oct 1975

039043 SB998.N4N4
Parasitic nematodes associated with cultivars and clones of banana and plantain in Venezuela. (Spa) Haddad, O; Meredith, J A; Martinez R, G J *Nematropica* 5 (2): 33-39. Eng. Sum. Oct 1975

039044 SB998.N4N4
Plant parasitic nematode genera associated with sesame (Sesamum indicum L.) in Venezuela. (Spa) Meredith, J A; Perez, G *Nematropica* 5 (2): 44-46. Oct 1975

039045 SB998.N4N4
Studies on selected hosts of Rotylenchulus reniformis and its pathogenicity to soybean (Glycine max) [Nematodes]. Singh, N D *Nematropica* 5 (2): 46-51. Ref. Oct 1975

039046 340.9 SO1
Critical temperature for frost damage at sprouting stage in Satsuma orange. (Jpn) Nakagawa, Y; Shimoosako, M; Honjo, H *Nogyo Kisho J Agric Meteorol* 31 (3): 149-152. Dec 1975

039047 340.9 SO1
Researches regarding frost injury on tea plants in ShizuokaPrefecture in 1972. (Jpn) Abe, I; Okuyama, T; Maki, T; Uemura, K *Nogyo Kisho J Agric Meteorol* 31 (3): 145-148. Dec 1975

039048 64.8 N76
Protection against the radioactive pollution of plants. (Hun) Szabo, A *Novenytermeles* 24 (3): 259-264. Ref. Eng. Sum. Sept 1975

10 OU8
Bolting of sugarbeet grown in England. Longden, P C; Scott, R K; Tyldesley, J B *Outlook Agric* 8 (4): 188-193. Maps. Ref. 1975

039049 QL757.A1P32
A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from coniferous [Abies nephrolepis and Picea ajanensis] forests of the Far East of the USSR. (Rus) Eroshenko, A S; Tepliakov, A A *Parazitologiia* 9 (6): 545-547. Eng. Sum. Nov/Dec 1975

039050 421 P692
Lime-induced iron chlorosis in groundnut: treatment and prevention [Deficiency diseases, peanuts]. Hartzook, A; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 40-42. Apr 1975

039051 20.5 P84
Protection of agricultural plantings from damage by game animals. (Pol) Ortwein, L *Postepy Nauk Roln* 22 (2): 57-66. 1975

039052 21 R862
Some aspects of damaging wheat crops under conditions of Romania. (Rum) Tusa, C; Bunescu, S; Caea, D; Csep, N; Paulian, F *Prod Veg Cereale Plante Teh* 27 (5): 39-42. 1975

039053 S19.P7
The symptoms of micronutrient deficiency in peach and their control. Kumar, S; Sharma, R C *Prog Farming* 12 (3): 11. Nov 1975

039054 334.8 R11
Tritiated-thymidine induced changes in cell population kinetics in root meristems of Pisum sativum [Peas]. Stetka, D G; Webster, P L *Radiat Res* 64 (3): 475-484. Ref. Dec 1975

039055 442.8 R11
On the part played by tocopherol in radiation injury in Pisum sativum [Peas]. (Rus) Stepanian, L G; Avakian, TS M *Radiobiologiia* 15 (6): 931-934. Eng. Sum. Nov/Dec 1975

442.8 R11
The effect of caffeine on the survival and recovery of irradiated yeast cells [Radiation, injuries]. (Rus) Kabakova, N M; Kapul'tsevich, IU G; Petin, V G *Radiobiologiia* 15 (6): 850-855. Ref. Eng. Sum. Nov/Dec 1975

442.8 R11AE
Modification of the injurious effect in the gamma irradiation of seeds of radiosensitive and radioresistant crops. Kaplan, I S; Tikhomirov, F A; Khvostova, V V *Radiobiology* 15 (1): 124-129. Ref. 1975

039056 100 OK4M
Correcting the chlorosis of pin oaks [Quercus palustris, iron deficiency diseases]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 13-15. Oct 1975

039057 389.9 R314
The effect of SO2 [sulphur dioxide] pollution on plant metabolism. Ziegler, I *Residue Rev* 56: 79-105. Ref. 1975

039058 S13.S44
Histological and histochemical studies of the resistance of plants to diseases (review). (Rus) Peresypkin, V F; Zrazhevskaia, T G *S-kh Biol* 10 (2): 194-201. Ref. Eng. Sum. Mar/Apr 1975

039059 S13.S44
On the role of glycoalcaloid of alpha-tomatin in the resistance of tomato to diseases and pests. (Rus) Zhuchenko, A A; Balashova, N N; Andriushchenko, V K *S-kh Biol* 10 (3): 451-453. Ref. May/June 1975

039060 511 AK146
The interaction of 2,6-disulphoanthrachinone radical-anions with the ions of transitive valency metals [Phytopathology]. (Rus) Kokrashvili, T A; Kuz'min, V A; Khuriakov, I V; Kalichava, G S *Soobshch Akad Nauk Gruz SSR* 80 (2): 469-472. Eng. Sum. 1975

57.8 P34AE
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. Dolgova, L G *Sov Soil Sci* 7 (2): 220-225. Ref. Mar/Apr 1975

039061 9.6 SU7
A possible phytotoxic effect of copper on dwarf coconut palms [during control of Phytophthora]. Schut, B *Surinaam Landbouw* 23 (1): 26-30. 1975

039062 61.8 SV2
Autumn oil yielding plants and parasites. (Swe) Wahlin, B *Sven Frotidn* 44 (4): 52-54. Apr 15, 1975

039063 61.8 SV2
Spring oil plants and parasites. (Swe) Wahlin, B *Sven Frotidn* 44 (5): 67-68. May 15, 1975

039064 275.249 G81
Crop procedures within a system of an overall disease control. (Gre) Kyrou, N *Synchronos Georgia* 4: 113-114. July/Aug 1975

039065 100 AR4 (2)
Interactions of nematodes with other pathogens [Fungi, bacteria] attacking plants in the Western States. Arizona Agricultural Experiment Station *Tech Bull Agric Exp Stn Univ Ariz* 225, 20 P. Ref. 1975

039066 11 T439
Experiments with fungicides and insecticides in agricultural crops 1974. (Dan) Hansen, K E *Tidsskr Plant* 79 (5): 625-638. Eng. Sum. 1975

039067 11 T439
Plant parasitic nematodes on roses [Rosa] in Danish glasshouses. (Dan) Jakobsen, J *Tidsskr Plant* 79 (4): 489-494. Eng. Sum. 1975

039068 11 T439
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, Heterodera avenae Woll. [Oats, barley, wheat, rye]. Juhl, M *Tidsskr Plant* 79 (5): 609-624. Ref. 1975

039069 451 B76
Presidential address: plant pathology in a changing world. Macer, R C F *Trans Br Mycol Soc* 65 (3): 351-367. Ref. Dec 1975

039070 26 T754
Sources of disease resistance in Digitaria germplasm. Oakes, A J *Trop Agric (Guilford)* 53 (1): 1-13. Maps. Ref. Jan 1976

039071 80 T817
Biological and chemical control [of horticultural plant pests]. (Dut) Woets, J *Tuinbouwberichten* 39 (7/8): 299-301. July/Aug 1975

80 T817
Interest in growing Geraniums [Breeding for disease resistance]. (Dut) Marien, W *Tuinbouwberichten* 39 (7/8): 308-310. July/Aug 1975

039072 80 T817
Is clean soil still possible? [Plant diseases, celery, radishes]. (Dut) Meeus, M *Tuinbouwberichten* 39 (11): 437, 439. Nov 1975

039073 80 T817
Some timely points on parasite control in strawberry cultivation [Insects, nematodes]. (Dut) Gilles, G *Tuinbouwberichten* 39 (7/8): 314-315. July/Aug 1975

039074 105.9 L65V
Heavy metal residues in plants caused by pollution in the central area of Upper Austria. (Ger) Gusenleitner, J *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 131-146. Maps. Ref. 1975

039075 95.8 W435
Weather, development of grapes, diseases, pests and damages in vineyards in the German Federal Republic during 1974/75. (Ger) Holz, B; Englert, W D *Weinberg Keller* 22 (11/12): 457-484. Nov/Dec 1975

039076 1 AG84Y
Consumer's El Dorado amid swaying palms [Citrus, pests and diseases]. Krezdorn, A H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 169-180. 1975

039077 464.8 Z3
Arsenic—contents and effects in soils and plants. (Ger) Schonhard, G; Konig, W *Z Pflanzenkr Pflanzenschutz* 82 (5): 329-336. Ref. 1975

039078 464.8 Z3
Influence of fertilization and soil management on the occurrence of diseases and pests in an apple orchard. i. Effect of green covered and clean cultivated soil. (Ger) Schmidle, A; Dickler, E; Seemuller, E; Krczal, H; Kunze, L *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 522-530. Ref. Eng. Sum. 1975

039079 464.8 Z3
Modern plant protection as a problem of communication. (Ger) Winner, C *Z Pflanzenkr Pflanzenschutz* 81 (11): 663-669. Eng. Sum. 1974

039080 464.8 Z3
Phytomedicine between science and practical agriculture. (Ger) Heitefuss, R *Z Pflanzenkr Pflanzenschutz* 81 (11): 642-647. Eng. Sum. 1974

039081 464.8 Z3
Plant protection as an international task. (Ger) Schuhmann, G *Z Pflanzenkr Pflanzenschutz* 81 (11): 683-689. Eng. Sum. 1974

039082 464.8 Z3
Plant protection in the olive plantations of Tunisia. (Ger) Rolli, K *Z Pflanzenkr Pflanzenschutz* 81 (12): 705-710. Eng. Sum. 1974

039083 464.8 Z3
Special considerations on the biometric evaluation of tests with crop protection agents. (Ger) O'svath, J; Geidel, H *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 449-466. Ref Eng. Sum. 1975

039084 464.8 Z3
Studies on resistance of rice to the attack of Meloidogyne graminicola. Roy, A K *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 384-387. 1975

039085 464.8 Z3
Urgent tasks of the Plant Protection Service in Lower Saxony and its requests in teaching and research. (Ger) Blaszyk, P *Z Pflanzenkr Pflanzenschutz* 81 (11): 648-662. Eng. Sum. 1974

039086 SB183.Z4
Diseases of winter wheat and its stand density. (Rus) Morshchatskii, A A *Zern Maslichn Kul't* 9: 31. Sept 1975

039087 SB183.Z4
Preparation TUR on rice crops [for lodging control]. (Rus) Laktionov, B I; Bogdanov, V A *Zern Maslichn Kul't* 7: 37. July 1975

WEEDS AND HERBICIDES

039088 S544.3.W6W53
Peas—weed control. Doersch, R E; Harvey, R G; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2355, 4 P. Jan 1976

039089 S16.H8A32
Contributions to chemical weed control in winter wheat. (Hun) Vincze, M *Agrar Tud Egy Kozl (Godollo)* P. 183-190. Eng. Sum. 1974

039090 S16.H8A32
Improvement of natural meadows infected with field horsetail (Equisetum arvense). (Hun) Barcsak, Z *Agrar Tud Egy Kozl (Godollo)* P. 127-136. Eng. Sum. 1974

039091 S16.H8A32
Influence of spray fertilization combined with various herbicides on the chemical composition and technological features of wheat. (Hun) Majer, Mrs K T *Agrar Tud Egy Kozl (Godollo)* P. 211-227. Ref. 1974

039092 S16.H8A32
The effect of certain herbicides used in a maize-field on the nitrogen circulation of the soil. (Hun) Rady, M; Bartusek, M; Vizi, I *Agrar Tud Egy Kozl (Godollo)* P. 229-238. 1974

039093 381 AG85
New herbicide for cotton, corn. *Agrichem Age* 18 (8): 15-16. Nov/Dec 1975

039094 15 AG84
Herbicides on rice [Aircraft application]. (Spa) Manzano, J *Agricultura (Madr)* 44 (519): 549-551. July 1975

039095 15 AG84
Wild oats [Avena fatua]: losses caused and advantages of controlling it before its emergence [Cereals]. (Spa) Yague, A *Agricultura (Madr)* 44 (519): 553-554. July 1975

039096 9 SO1
Weeds in pastures [Control, herbicides]. (Spa) Laguinge, G *An Soc Rural Argent* 109 (6/7): 56-61. June/July 1975

105.4 P435
Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the soil-covering ability of the seeded species and some weeds. (Ita) Cenci, C A; Ceccarelli, S *Ann Perugia Univ Fac Agrar* 29: 21-41. Ref. Eng. Sum. 1974

039097 105.4 P435
Susceptibility of some soft and hard wheat varieties to herbicides used for control of [weedy] grasses. (Ita) Covarelli, G *Ann Perugia Univ Fac Agrar* 29: 557-573. Eng. Sum. 1974

039098 421 AN72
Biotic interference with insect imported for [biological] weed control. Goeden, R D; Louda, S M *Annu Rev Entomol* 21: 325-342. Ref. 1976

421 AN72
Genetic problems in the production of biological [insect pests and weeds] control agents. Mackauer, M *Annu Rev Entomol* 21: 369-385. Ref. 1976

039099 80 AR2
Secondary effects of the herbicides W 6658, Wonuk and Azaplant Kombi on apple trees. (Ger) Schubert, E *Arch Gartenbau* 23 (7): 407-414. Ref. Eng. Sum. 1975

039100 RA1190.A7
Metabolism of 3-amino-1,2,4-triazole [herbicides] in rats. (Ger) Grunow, W; Altmann, H J; Bohme, C *Arch Toxikol* 34 (4): 315-324. Ref. Eng. Sum. 1975

039101 475 AU73
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[formed by mild acetylation of lasiocarpine, toxicity]. Culvenor, C C J; Johns, S R; Smith, L W *Aust J Chem* 28 (10): 2319-2322. Oct 1975

039102 18 G31
Model calculations and data requirements for a business assessment of weed-killing methods. (Ger) Zeddies, J *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 183-198. Ref. Eng. Sum. Oct 1975

039103 100 T31S (1)
Weed control research in sugarbeets. Wiese, A F; Scott, P R; Lavake, D E; Winter, S R; Owen, D F; Texas Agricultural Experiment Station *Bull Tex Agric Exp Stn Coll Stn* 1158, 2 P. Nov 1975

039104 100 C12CAG
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. Lange, A H; Fischer, B B; Elmore, C L; Kempen, H M; Schlesselman, J; California Agricultural Experiment Station *Calif Agric* 29 (9): 6-7. Sept 1975

039105 7 R31
Weed control with plant pathogens and nematodes. Watson, A K; Harris, P *Can Agric* 20 (4): 26-27. Fall 1975

039106 7 R31
Weed seeds in dockage in Manitoba. Chow, P N P; Lapka, W J *Can Agric* 20 (4): 19-20. Map. Fall 1975

039107 65.9 Q3C
Borreria—trends in control. Webb, W A C *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 62-63. Oct 1975

039108 65.9 Q3C
How to avoid hormone damage in Q80 [Control, weeds]. Boyle, H L *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 64-65. Oct 1975

039109 65.9 Q3C
Plant cane weed control at Mossman. Tilley, L G W *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 46-47. Oct 1975

64.8 C883
Forage nutritive value and palatability of 12 common annual weeds. Marten, G C; Andersen, R N *Crop Sci* 15 (6): 821-827. Ref. Nov/Dec 1975

039110 S13.B82
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C [carbon isotope]-sucrose incorporation in their tissues. TSenova, M *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 5-10. 1975

039111 S13.B82
Effect of some herbicides on the scopolamin content of individual thornapple [Datura] plant parts. (Ger) Nastev, N; Jankulov, J *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 11-14. 1975

039112 381 D75
Creation of relatively stable shrublands with herbicides: arresting "succession" on rights-of-way and pastureland. Niering, W A; Goodwin, R H *Down Earth* 31 (3): 26-32. Ref. Winter 1975

039113 381 D75
Necessity for proper timing of applications of 2,4-D [(2,4dichlorophenoxy) acetic acid, herbicide] to winter wheat. Swan, D G *Down Earth* 31 (3): 23-25. Winter 1975

039114 421 R322
Phytophagous insects of the weed Trichodesma incanum (Bge.) D. C. in Uzbekistani. (Rus) Khaidarova, Z M *Entomol Obozr* 54 (4): 780-786. Eng. Sum. 1975

039115 SD1.E8
Aspect of herbicidal effects on the ectosymbiotic microorganism of the forest plants. Iloba, C *Eur J For Pathol* 5 (6): 339-343. Ref. Dec 1975

039116 S279.A315
Use of weedicides for increasing agricultural production. Rajendran, V *Farm Front* 9 (4/5): 7-11. Apr/May 1975

039117 1 AG84F
Using phenoxy herbicides effectively. Klingman, D L; Shaw, W C; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2183, Slightly Rev., 25 P. Oct 1975

039118 18 W763
Efficient weed control of cereals. (Ger) Feyerabend, G; Leuner, S *Feldwirtschaft* 16 (11): 510-512. Nov 1975

039119 SB1.A1F5
Control of lesser-seeded bittercress [Cardamine oligosperma] in container-grown ornamentals; progress report. Elmore, C L; Farnham, D S; Hanson, D L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 11-14. July/Aug 1975

039120 SB1.A1F5
Marguerite daisy [Bellis] weed control trial; progress report. Hanson, D L; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 1-2. July/Aug 1975

039121 SB1.A1F5
Oxalis [corniculata] control in Gerbera [jamesonii]; progress report. Pyeatt, L E; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 9-11. July/Aug 1975

039122 SB1.A1F5
Weed control and effect of four preemergence herbicides in transplanted Shasta daisy [Chrysanthemum maximum]; progress report. Elmore, C L; Besemer, S T; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 3-4. July/Aug 1975

039123 SB1.A1F5
Weed control and phytotoxicity of herbicides in Dutch Iris; progress report. Besemer, S T; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 8-9. July/Aug 1975

039124 SB1.A1F5
Weed control in German statice [Limonium tataricum]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 4-5. July/Aug 1975

039125 SB1.A1F5
Weed control in Gypsophila [paniculata]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 6. July/Aug 1975

039126 SB1.A1F5
Weed control in heather [Erica persoluta]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 7. July/Aug 1975

QK339.C95F6
Weed communities in the north Slovakian mountain area. (Ger) Passarge, H; Jurko, A *Folia Geobot Phytotaxon* 10 (3): 225-264. Map. Ref. Eng. Sum. 1975

039127 S19.G74
Chemical weed control—effective and economical. Mani, V S; Gautam, K C *Green Revolution* P. 77-79. 1974

039128 26 H27
Chemical control of winter weeds in areas for cotton. (Heb) Ayalon, J *Hassadeh* 56 (2): 316. Nov 1975

039129 100 AL1H
Soil pH [hydrogen-ion concentration] affects weed growth, too. Buchanan, G A; Hoveland, C S; Harris, M C; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 13. Winter 1975

039130 SB1.H6
Weed control in a fruit tree nursery with herbicide-impregnated string. Hamill, A S; Layne, R E C; Von Stryk, F G *Hortsci* 10 (6): 587-588. Dec 1975

039131 QH541.5.L3S7
Aquatic plants [Weeds, water pollution]. Little, E C S *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 293-300. 1975

039132 SB951.S8
Biological, chemical, and other factors influencing strategies for selective weed control. Upchurch, R P *In Pesticide Selectivity. J. C. Street, ed.* P. 11-20. 1975

039133 SB951.S8
Broad-spectrum and narrow-spectrum herbicides—a need for both. Klingman, G C *In Pesticide Selectivity. J. C. Street, ed.* P. 1-9. 1975

039134 442.8 IN2
Studies on alfalfa grown after cutting dodder (Cuscuta) infection: changes in content and nature of phenolics [Weed control]. Khanna, S K; Khanna, R; Sanwal, G G *Indian J Exp Biol* 13 (4): 407-408. July 1975

039135 20 M57AG
Use of herbicides for tomatoes and paprika. (Ger) Elenkov, E; Velev, B; Rankov, V *Int Z Landwirtsch* 6: 661-664. 1975

039136 22.5 AG862
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, Paspalum notatum] inhibiting the growth of banana. (Chi) Wu, M M H; Hsieh, H W; Liu, C L *J Agric Assoc China* (New Ser.) 90: 54-63. Ref. Eng. Sum. June 1975

039137 10 J822
Experiments on the effect of hormone weed-killers [herbicides] on sugarbeet. Byford, W J; Prince, J *J Agric Sci (Camb)* 86 (1): 135-139. Feb 1976

039138 475 J824
Gas chromatographic-mass spectrometric identification of phenylurea herbicides after N-methylation [food chemistry]. Buchert, A; Lokke, H *J Chromatogr* 115 (2): 682-686. Ref. Dec 24, 1975

039139 420 EN86
Candidates for the biological control of Solanum elaeagnifolium Cav. (Solanaceae) in South Africa. 1. Laboratory studies on the biology of Gratiana lutescens (Boh.) and Gratiana pallidula (Boh.) (Coleoptera: Cassididae). Siebert, M W *J Entomol Soc South Afr* 38 (2): 297-304. Sept 1975

039140 QH540.J6
Dinitroaniline herbicides in soils [Residues]. Helling, C S *J Environ Qual* 5 (1): 1-14. Ref. Jan/Mar1976

039141 99.8 F768
Dwarf mistletoe [Arceuthobium pusillum]-infected [Pinus] ponderosa pines survive top-pruning. Knutson, D M *J For* 73 (12): 774-780. Dec 1975

039142 QD1.K46
Phenoxy herbicide residues in cowberries and mushrooms [Conifers]. (Fin) Mukula, J; Siltanen, H; Rosenberg, C *Kemia-Kemi (Helsinki)* 2 (9): 455-457. Ref. Eng. Sum. 1975

039143 73.8 L542
Herbicides on kenaf plantings. (Rus) Nedzvetskaia, G L; Tukhtaeva, S *Len Konopliia* 3: 30-31. Mar 1975

039144 S19.M9
Studies on chemical weed control in groundnut (Arachis hypogaea L.). Prabhakara Setty, T K; Hosamani, M M *Mysore J Agric Sci* 9 (3): 439-448. 1975

039145 23 N48J
Chemical and mechanical scrub control methods. Bringans, P *N Z J Agric* 131 (6): 31-33. Dec 1975

039146 69.8 N48
A review of weed control in tobacco using Tillam E (Pebulate). Williams, P P *N Z Tob Grow J* P. 24. Aug 1975

039147 80 N81
Christmas greenery for restaurants, Viscum [album, parasitic plants]. (Nor) Danielsen, A *Nor Hagetid* 91 (12): 377. Map. Dec 1975

039148 10 OU8
Weed control in tea [Current practices in Sri Lanka, East Africa, South India, and Indonesia]. Rahman, F *Outlook Agric* 8 (4): 173-177. Ref. 1975

039149 64.9 IN7
Influence of some herbicides on the content and composition of nitrogen fractions in grain of several wheat varieties; report. (Pol) Aniol, A *Pamiet Pulawski* 62: 167-172. Eng. Sum. 1975

039150 64.9 IN7
Investigations on the dynamics of decomposition of 2,4-dichlorophenoxyacetic acid and its mixtures in the soil. (Pol) Kostowska, B; Sadowski, J *Pamiet Pulawski* 62: 173-185. Eng. Sum. 1975

039151 64.9 IN7
The residues of 2,4-dichlorophenoxyacetic acid and its mixtures in cereal plants. (Pol) Kostowska, B; Sadowski, J *Pamiet Pulawski* 62: 187-196. Eng. Sum. 1975

039152 464.8 P566
General approach to biocontrol of weeds in Canada. Harris, P *Phytoprotection* 56 (3): 135-141. Oct 1975

039153 464.8 P566
The dollars and no sense of crop losses from weeds. Hamill, A S *Phytoprotection* 56 (3): 121-134. Ref. Oct 1975

039154 421 P692
Control of broomrape [Orobanche crenata] in broadbean and pea. Piglionica, V; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 46-48. Apr 1975

039155 20.5 P84
Methods of evaluation of durability of soil-applied herbicides by a biological test. (Pol) Domanska, H; Legowiak, Z; Leska, L *Postepy Nauk Roln* 22 (1): 77-82. Ref. 1975

56.9 SO3
Growth of turfgrasses as affected by soil phosphorus and arsenic [Herbicide residues]. Carrow, R N; Rieke, P E; Ellis, B G *Proc Soil Sci Soc Am* 39 (6): 1121-1124. Ref. Nov/Dec 1975

039156 281.9 B87
Winter weeding of forage legumes. (Fre) Lescar, L *Prod Agric Fr* 51 (179): 13. Nov 1, 1975

039157 21 R862
Chemical control of weeds of fiber crops with linuron in France. (Rum) Vasilica, C *Prod Veg Cereale Plante Teh* 27 (6): 33-37. June 1975

039158 21 R862
Efficiency of herbicides based on 2,4-D and MCPA associated with dicamba in wheat growing [dichlorophenoxyacetic acid and (4-chloro-o-toloxy) acetic acid]. (Rum) Sarpe, N *Prod Veg Cereale Plante Teh* 27 (4): 16-22. Eng. Sum. 1975

039159 21 R862
Efficiency of some Romanian herbicides applied in the maizecultivation. (Rum) Guth, I *Prod Veg Cereale Plante Teh* 27 (5): 17-21. 1975

039160 21 R862
Maps of weeds on a scale of 1:10 000 at the farms of the Agricultural State Enterprise Sarulesti. (Rum) Chirila, C; Cosmin, S; Turcu, G; Tiru, G; Popea, T *Prod Veg Cereale Plante Teh* 27 (8): 37-41. Aug 1975

039161 21 R862
Using the associated herbicides based on atrazine and butylate in irrigated and non-irrigated maize crops. (Rum) Sarpe, N; Segarceanu, O; Vladutu, I; Apostol, V; Tomoroga, P *Prod Veg Cereale Plante Teh* 27 (5): 10-16. Eng. Sum. 1975

039162 6 T311
What to do if a herbicide overstays its welcome [Residues]. Smith, D T *Prog Farmer (Birmingham)* 90 (5): 44. May 1975

039163 S19.P7
Alarming wild oats infestation of wheat in Punjab. Singh, M; Bains, D S *Prog Farming* 12 (3): 25. Nov 1975

039164 S19.P7
Controlling weeds in young grapes. Chanana, Y R; Bajwa, G S; Dhillon, B S *Prog Farming* 12 (2): 11. Oct 1975

039165 S19.P7
Increase yield of pulses by controlling weeds. Kaul, J N; Sekhon, H S *Prog Farming* 12 (2): 7. Oct 1975

039166 S19.P7
Phalaris minor infestation is increasing in Punjab. Bains, D S; Singh, M *Prog Farming* 12 (3): 13. Nov 1975

039167 S19.P7
2,4-D [(2,4-dichlorophenoxy) acetic acid] and its safe use [Herbicides]. Gill, H S; Sidhu, M S *Prog Farming* 12 (2): 9-10. Oct 1975

039168 275.29 M313
Guide to chemical weed control. *Pub (Manit Dep Agric)* 483, 70 P. 1975

039169 64.8 M41
Yield and protein content of wheat varieties (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. Patil, V A; Kale, V R *Qual Plant Plant Foods Human Nutr* 25 (2): 187-192. Ref. Dec 29, 1975

039170 64.8 R18
Cytogenetic characterization of some herbicides applied to maize. (Bul) Khristov, K *Rastenievud Nauk* 12 (7): 111-123. Ref. Eng. Sum. 1975

039171 S51.E2
Herbicides for weed control during establishment of warm season turfgrasses. Johnson, B J; Georgia Experiment Stations *Res Bull Univ Ga Coll Agric Exp Stn* 177, 27 P. Oct 1975

039172 S51.E2
Purple nutsedge [Cyperus rotundus] control and tolerance ofturfgrasses to herbicide treatments. Johnson, B J; Georgia Experiment Stations *Res Bull Univ Ga Coll Agric Exp Stn* 176, 29 P. Ref. Oct 1975

039173 100 OK4M
Controlling common Bermudagrass [Cynodon dactylon] in nonproduction areas [around nursery beds]. Hathaway, R D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 18-19. Oct 1975

039174 100 OK4M
Controlling common Burmudagrass [Cynodon dactylon, around nursery beds] with hand-applied applications of [the herbicide] Roundup. Goodale, T; Hathaway, R D; Ward, J D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 20-21. Oct 1975

039175 100 OK4M
Effects of Probe on weed control in containers [Woody ornamentals]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 52-53. Oct 1975

039176 100 OK4M
Effects of [the herbicide] Roundup on woody landscape plants [in controlling Cynodon dactylon]. Hathaway, R D; Ward, J D; Goodale, T; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 17-18. Oct 1975

039177 100 OK4M
Weed control in containers [with the herbicides] Tolban, Ronstar and Devrinol [Woody ornamentals]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 50-51. Oct 1975

039178 S1.U7
Economic and environmental impacts of sagebrush [Artemisia]control on Utah's rangelands—a review and analysis [Costs]. Nielsen, D B; Hinckley, S D; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 25, 27 P. Ref. Dec 1975

039179 9 R3222
Weed species of sugarcane in the Argentine Republic. (Spa) Arevalo, R A *Rev Agron Noroeste Argent* 12 (1/2): 95-105. Ref. Eng. Sum. 1975

039180 1.6 SO3S
Texas research taps insects for brush and weed control [Biological control]. U.S. Soil Conservation Service *Soil Conserv* 41 (6): 11. Jan 1975

039181 61.8 SV2
Quackgrass [Agropyron repens] and its control in oil plantsand seed fields. (Swe) Hakansson, S *Sven Frotidn* 44 (11): 154-157. Nov 15, 1975

039182 S3.S8
Effects of bentazon and dinoseb on soil microorganisms and on the Rhizobium-Leguminosae symbiosis. Torstensson, L *Swed J Agric Res* 5 (4): 177-183. Ref. 1975

039183 S3.S8
Growth and yield of cultivated plants treated with herbicides. 3. Treatment eith 2,3,6-trichlorobenzoic acid (TBA). Svensson, J A *Swed J Agric Res* 5 (4): 235-243. Ref. 1975

039184 99.8 SY52
On possibilities of the extension of use of the preparation Gesatop 50 (simazine) [in forest nuseries and stands]. (Pol) Piskorz, M *Sylwan* 119 (7): 79-81. July 1975

039185 275.249 G81
Chemical weed control in peach orchard. (Gre) Syrgiannides, G D; Hatzetheodorou, I Th *Synchronos Georgia* 4: 123-127. Ref. July/Aug 1975

039186 80 T817
Chemical weed control in coffee chicory and endive. (Dut) Maddens, K; Sarrazyn, R; Himme, M van *Tuinbouwberichten* 39 (6): 253-255. June 1975

039187 80 T817
Weed control in vegetables under glass. (Dut) Liekens, F *Tuinbouwberichten* 39 (3): 108-109. Mar 1975

039188 20 V82
Effect of herbicides on the quality of white-headed cabbage. (Ukr) Bilyk, V M; Abramova, K O; Hryb, O K; Trebel's'ka, L V *Visn Sil's'kohospod Nauki* 11: 98-101. Nov 1975

20 V82
Soil tillage and the application of herbicides to vineyards. (Ukr) Akchurin, R K; lAkhontov, A F *Visn Sil's'kohospod Nauki* 11: 64-67. Nov 1975

039189 464.8 Z3
Bioassays in weed research [Herbicides, pollution]. (Ger) Neururer, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 316-328. Ref. Eng. Sum. 1975

039190 464.8 Z3
Education and training in weed science in Europe. (Ger) Stryckers, J M T *Z Pflanzenkr Pflanzenschutz* 82 (5): 262-270. Eng. Sum. 1975

039191 464.8 Z3
Limitations in the use of herbicides—the protection of wild flora and fauna [Netherlands]. (Ger) Zonderwijk, P *Z Pflanzenkr Pflanzenschutz* 82 (5): 271-285. Ref. Eng. Sum. 1975

039192 464.8 Z3
Organization of weed research. (Ger) Zweep, W van der *Z Pflanzenkr Pflanzenschutz* 82 (5): 258-262. Eng. Sum. 1975

039193 464.8 Z3
Plant management in aquatic systems [Herbicides, water pollution]. (Ger) Johannes, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 286-302. Ref. Eng. Sum. 1975

039194 464.8 Z3
Residue problems in weed control [Food contamination]. (Ger) Maier-Bode, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 303-315. Ref. Eng. Sum. 1975

039195 464.8 Z3
The most important dicotyledonous weed species in winter and spring cereal, their regional distribution and their dependence on soil types. (Ger) Behrendt, S *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 388-397. Ref. Eng. Sum. 1975

039196 450 Z36
Inheritance of split-corolla, a developmental instability in Nicotiana [Tobacco]. Narayan, R K J; Murty, B R *Z Pflanzenzucht* 75 (2): 161-169. Ref. Sept 1975

039197 11 T58
Control of wild oats [Avena fatua]. (Dan) *12Mandsbladet* 47(8): 365-366. Aug 1975

INSECT PESTS AND CONTROL—GENERAL AND MISCELLANEOUS PLANTS

039198 420 C33
Effects of two cyclopropane miticides on Tetranychus urticae (Acari, Tetranychidae). Hurkova, J; Matolin, S *Acta Entomol Bohemoslov* 72 (5): 209-214. Ref. 1975

039199 100 W27A
Getting laughed at. They didn't believe [Dr. Axel L.] Melander when he reported insect resistance to chemical spray. Beckerman, S; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 4-5. Fall 1975

039200 22 AG832
Effect of temperature on the mating compatibility of irradiated males of Callosobruchus analis. Khan, M A *Agric Pak* 26 (1): 99-103. Ref. Mar 1975

039201 421 AN72
Biochemical genetics of insecticide resistance. Plapp, F W *Annu Rev Entomol* 21: 179-197. Ref. 1976

039202 421 AN72
Genetic problems in the production of biological [insect pests and weeds] control agents. Mackauer, M *Annu Rev Entomol* 21: 369-385. Ref. 1976

039203 421 AN72
Host selection by insect parasitoids [Manduca sexta, Telenomus sphingis, Trichogramma minutum, tobacco pests]. Vinson, S B *Annu Rev Entomol* 21: 109-133. Ref. 1976

039204 421 AN72
Phoresy among entomophagous insects [Biological control]. Clausen, C P *Annu Rev Entomol* 21: 343-368. Ref. 1976

039205 421 AN72
Problems associated with the use of arthropod viruses in [insect] pest control. Falcon, L A *Annu Rev Entomol* 21: 305-324. Ref. 1976

039206 421 AN9
Effects of dieldrin on the neurosecretory system and the ovarian development of Gryllus assimiliis F. (Orthoptera, Gryllidae). (Ger) Joshi, J P *Anz Schadlingskd Pflanzenschutz* 48 (9): 134-135. Ref. Eng. Sum. Sept 1975

039207 421 AN9
Laboratory and field trials with two synthetic juvenile hormone analogues on four aphid species [Pest control]. (Ger) Ahmed, S M; Abdel-Gawaad, A A *Anz Schadlingskd Pflanzenschutz* 48 (10): 148-150. Eng. Sum. Oct 1975

039208 421 AN9
Studies on the biology of the predaceous mite Cunaxa capreolus Berl. (Acari, Prostigmata, Cunaxidae). (Ger) Soliman, Z R; Zaher, M A; el-Bishlawy, S M *Anz Schadlingskd Pflanzenschutz* 48 (8): 124-126. Eng. Sum. Aug 1975

039209 410 AU73
Offshore migration and the collapse of outbreaks of the Australian plague locust (Chortoicetes terminifera Walk.) in South-east Australia. Farrow, R A *Aust J Zool* 23 (4): 569-595. Maps. Ref. Nov 1975

039210 421 B65
Effect of alkaline and acid solutions on insecticidal activity of Bacillus thuringiensis [Bombyx mori]. (Jpn) Uwo, J N; Ohsawa, A *Botyu Kagaku* 40 (3): 96-102. Ref. Eng. Sum. Aug 1975

039211 421 B65
Effects of some juvenile hormone analogues on the last instar larvae of Cephonodes hylas L. (Lepidoptera). Ikemoto, H *Botyu Kagaku* 40 (3): 102-106. Ref. Aug 1975

039212 421 D48
Study of Lepidoptera-, Coleoptera- and Hymenoptera borers. II. (Ger) Zoerner, H *Dtsch Entomol Z* (New Ser.) 22 (4/5): 363-380. Nov 18, 1975

039213 421 EN86
Eupatorium cannabinum L. (Compositae) as a host plant of Eupteryx aurata (L.) (Hemiptera, Cicadellidae). Woodroffe, G E *Entomol Mon Mag* 110 (1325/1327): 202. Oct/Dec 1974 (Pub. 1975)

421 EN86
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. Kirk, A A *Entomol Mon Mag* 110 (1325/1327): 215-221. Ref. Oct/Dec 1974 (Pub. 1975)

039214 421 R322
Food relations of weevils of the subfamily Apioninae (coleoptera, Curculionidae) with trees and bushes. (Rus) Solodovnikova, V S *Entomol Obozr* 54 (4): 765-772. Ref. Eng. Sum. 1975

421 R322AE
Chloropidae (Diptera) of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. Narchuk, E P *Entomol Rev* 53 (3): 152-157. Ref. July/Sept 1974 Trans 1975

039215 475 EX7
Juvenile hormone active principle in Attacus atlas L. [In the control of Ostrinia furnacalis, pest of corn]. Paguia, P; Masner, P; Trautmann, K H; Schuler, A *Experientia* 32 (1): 122-123. Jan 15, 1976

039216 1 AG84F
Grasshopper control [Orthoptera, economic plants]. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2193, Rev., 10 P. Oct 1975

A281.9 F76FO
Ecology fears boost Kenyan pyrethrum exports [Insecticides]. Rose, I; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 9-10. Jan 26, 1976

039217 100 AL1H
Structure of an insect virus [Trichoplusia ni, Pseudoplusia includens, Autographa californica, biological control]. Gudauskas, R T; Harper, J D; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 15. Winter 1975

039218 1 AG84HG
Ants [Formicidae] in the home and garden; how to control them. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 28, Rev., 8 P. Oct 1975

039219 1 AG84HG
Ants [Formicidae] in the home and garden: how to control them. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 28, Rev., 8 P. Oct 1975

039220 RA565.M3
Agricultural chemicals, insecticides. Dahlsten, D L; Garcia, R; Laing, J E *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 528-557. Ref. 1974

039221 QL461.S89
Parasites, predators, and population dynamics [of insect pests of plants]. Messenger, P S *In Insects, Science & Society Proceedings of a Symposium* P. 201-223. Ref. 1974 (Pub.1975)

039222 QL461.S89
Pest management: organization and resources for implementation [in the United States]. Klassen, W *In Insects, Science & Society Proceedings of a Symposium* P. 227-256. Ref. 1974 (Pub.1975)

QL461.S89
The dynamics of insect populations [including plant pests]. Southwood, T R E *In Insects, Science & Society Proceedings of a Symposium* P. 151-199. Ref. 1974 (Pub.1975)

039223 QL461.S89
Utilization of the insect-plant interactions in pest control. Pathak, M D *In Insects, Science & Society Proceedings of a Symposium* P. 121-148. Ref. 1974 (Pub.1975)

039224 QH541.5.L3S7
Problems of insect vector control. Springett, J A *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 323-335. Ref. 1975

039225 SB951.S8
Basis for selectivity of acaricides. Knowles, C O *In Pesticide Selectivity. J. C. Street, ed.* P. 155-176. Ref. 1975

039226 SB951.S8
Strategies in the design of selective insect toxicants [Pests, control]. Hollingworth, R M *In Pesticide Selectivity. J. C. Street, ed.* P. 67-111. Ref. 1975

039227 381 J8223
Semiautomated determination of Di-Syston in granular formulations [Systemic insecticide, for the control of sucking insects and mites on plants]. Talbott, T D; Van Blarcum, C L; Evans, R T *J Agric Food Chem* 24 (1): 155-160. Jan/Feb 1976

039228 410 J828
Diversity, complexity, stability and [insect] pest control [Crop systems]. Murdoch, W W *J Appl Ecol* 12 (3): 795-807. Ref. Dec 1975

039229 420 EN86
A new observation on the association between ants (Hymenoptera: Formicidae) and armoured scale insects (Homoptera: Diaspididae). Prins, A J; Ben-Dov, Y; Rust, D J *J Entomol Soc South Afr* 38 (2): 211-216. Ref. Sept 1975

039230 389.8 J823
Residues of carbaryl [insecticide] in ridge gourd (Lufa acutangula Roxb.: Cucurbitaceae). Kavadia, V S; Noor, A; Gangwar, S K *J Food Sci Tech* 12 (4): 200-201. July-/Aug 1975

039231 421 M33
Comparative studies on the cells of nutritive tissue of the young gall Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. (Fre) Rohfritsch, O *Marcellia* 38 (2/3): 185-196. Ref. Eng. Sum. Jan/Mar 1975

039232 421 M33
Distribution of lipids and starch in nutritive tissues of five cynipid galls. (Fre) Bronner, R *Marcellia* 38 8/3): 171-177. Ref. Eng. Sum. Jan/Mar 1975

039233 421 M33
Insects and spiders from year-old galls caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on goldenrod, Solidago canadensis L. Judd, W W *Marcellia* 38 (2/3): 235-237. Jan/Mar 1975

039234 421 M33
Observations on the development and the ultrastructure of some erinoses. I. Erinose caused by Eriophyes leisoma Nal. On the Tilia intermedia D.c. (Fre) Westphal, E *Marcellia* 38 (2/3): 197-209. Ref. Eng. Sum. Jan/Mar 1975

039235 421 M33
Observations on the development and the ultrastructure of some erinoses. II. Erinose caused by Eriophyes paderineus L. on the leaves of Prunus padus L. (Fre) Westphal, E *Marcellia* 38 (2/3): 211-221. Ref. Eng. Sum. Jan/Mar 1975

039236 421 M33
On the morphology of the ceratoneon thrips galls of Schefflera racemosa Harms. [Liothrips ramakrishnae]. Krishnamurthy, K V; Raman, A; Ananthakrishnan, T N *Marcellia* 38 (2/3): 179-184. Jan/Mar 1975

039237 421 M33
The gall of Phanacis hypochoeridis (Kief.) Eady and Quinlan on Hypochaeris radicata L. Lintott, W H *Marcellia* 38 (2/3): 227-233. Ref. Jan/Mar 1975

039238 77.8 OL2
Presence in Indonesia and Malaysia of a Lepidoptera oilpalm root miner, Sufetula sunidesalis Walker, and its relationship to attacks by Ganoderma. (Fre) Desmier de Chenon, R *Oleagineux* 30 (11): 449-456. Map. Ref. Nov 1975

039239 449.8 EX8
Slow-release [insecticide] formulation shows promise. Olton, G S *Pest Control* 43 (10): 20, 53. Oct 1975

039240 421 P692
Laboratory studies with antifeeding compounds against larvae of Ascotis selenaria reciprocaria on coffee. Abasa, R O; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 43-45. Apr 1975

039241 421 P692
Peokilocerus pictus in the Punjab [Calotropis procera]. Ghouri, A S K; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 52-53. Apr 1975

421 P99
The genetic variability of the yield components in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] population [Insecticides, plant origin]. Parlevliet, J E *Pyrethrum Post* 13 (1): 23-28. Ref. June 1975

039242 100 OH3R
Ovipositional host plants of 17-year cicadas [Magicicada]. Forsythe, H Y Jr; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 210, 19 P. Ref. Dec 1975

039243 S13.S44
After-effect of Bacillus thuringiensis preparations on the development of [insect] pests [Biological control]. (Rus) Leskova, A IA; Rybina, L M; Okhotnikov, V I *S-kh Biol* 10 (3): 375-379. Ref. Eng. Sum. May/June 1975

039244 S13.S44
Chemical control and the overcoming of resistance to pesticides in harmful arthropods. (Rus) Zil'bermints, I V; Fadeev, IU N *S-kh Biol* 10 (1): 3-8. Ref. Eng. Sum. Jan/Feb 1975

039245 S13.S44
On the possibility of the acclimatization of imported farm [insect] pests. (Rus) Kozicheva, E F *S-kh Biol* 10 (3): 441-446. Ref. Eng. Sum. May/June 1975

ASD11.A46
Insect mycophagy: a preliminary bibliography [Fungi, insectvectors]. Fogel, R; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric* 36, 21 P. Ref. 1975

039246 1 AG84Y
Natural enemies used to fight insect ravages [Biological control, Aphytis maculicornis, Bacillus thuringiensis]. Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 99-104. 1975

039247 464.8 Z3
Bacillus thuringiensis preparations harmless to the parasite Trichogramma cacoeciae (Hymenoptera, Trichogrammitidae) [Plant insect pests, biological control]. (Ger) Hassan, S; Krieg, A *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 515-521. Ref. Eng. Sum. 1975

039248 464.8 Z3
The effect of insect growth regulators (IGR) on spider mites and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. (Ger) Koch, C K *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 406-409. Eng. Sum. 1975

INSECT PESTS AND CONTROL—FIELD CROPS

039249 19 AC8
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, Tortricidae) populations in Hungary [Pest of hemp]. Saringer, GY; Nagy, B *Acta Agron (Budap)* 24 (3/4): 297-303. Ref. 1975

039250 S19.A32
A new machine and method for bulk treatment of pulses with grain protectants against pulse beetle Callosobruchus maculatus fab. (Bruchidae-Coleoptera). Murthy, K S R K; Srivastava, B P *Agric Agroind J* 8 (2/8): 29-33. Ref. Aug 1975

039251 385 AG8B
Sex pheromone of rice stem borer [Chilo suppressalis]; purification and chemical properties. Ohta, K; Tatsuki, S; Uchiumi, K; Kurihara, M; Fukami, J *Agric Biol Chem* 39 (12): 2437-2438. Dec 1975

039252 22 AG832
Preliminary studies on screening of insecticides for the control of rice stem borer [Tryporyza incertulas]. Siddiqui, A R; Abbasi, R B *Agric Pak* 26 (1): 23-29. Ref. Mar 1975

039253 22 AG832
Some light trap investigations in the assessment and forecasting of sugarcane borers. Hussain, S; Mecci, A K *Agric Pak* 26 (1): 63-65. Mar 1975

039254 1.98 AG84
Curbing boll weevil [Anthonomus grandis] egg hatch [Cotton]. U.S. Agricultural Research Service *Agric Res* 24 (5): 7. Nov 1975

039255 1.98 AG84
Insects [Empoasca devastans, Empoasca kerri motti] and plant hosts [Castor, cotton]. U.S. Agricultural Research Service *Agric Res* 24 (5): 14. Nov 1975

039256 1.98 AG84
Sorghums that resist greenbugs [Schizaphis graminum]. U.S. Agricultural Research Service *Agric Res* 24 (5): 12. Nov 1975

039257 14 AG823
The European corn borer [Ostrinia nubilalis]. (Fre) *Agriculture (Paris)* 392: 325-326. Dec 1975

464.9 P562
Causal agent of "waika" [virus] disease of rice plants in Japan [transmitted by Nephotettix cincticeps]. (Jpn) Nishi, Y; Kimura, T; Maejima, I *Ann Phytopathol Soc Jap* 41 (2): 223-227. Eng. Sum. Apr 1975

464.9 P562
Purification of rice stripe virus [transmitted by Laodelphax striatellus]. (Jpn) Koganezawa, H; Doi, Y; Yora, K *Ann Phytopathol Soc Jap* 41 (2): 148-154. Ref. Eng. Sum. Apr 1975

464.9 P562
Transmission by green leafhopper, Nephotettix cincticeps Uhler of a new dwarf [virus] disease in rice plants. (Jpn) Yokoyama, S; Sakai, H *Ann Phytopathol Soc Jap* 41 (2): 219-222. Eng. Sum. Apr 1975

039258 421 AN72
Soybean entomology [Pests]. Turnipseed, S G; Kogan, M *Annu Rev Entomol* 21: 247-282. Ref. 1976

039259 421 AN72
Status of the systems approach to [field crop] pest management. Ruesink, W G *Annu Rev Entomol* 21: 27-44. Ref. 1976

039260 421 AN9
Effect of some host plants on development and reproduction of Spodoptera littoralis (Boisd.) (Lepidoptera, Noctuidae) [Cotton pests]. (Ger) Aboul Nasr, A E; Ali, A M; Esaac, E G; el-Gogary, S *Anz Schadlingskd Pflanzenschutz* 48 (11): 163-167. Ref. Eng. Sum. Nov 1975

039261 421 AN9
Occurrence of whitefly, Bemisia tabaci Genn., on cotton plants in southern Anatolia (Homoptera: Aleyrodidae). (Ger) Sengonca, C *Anz Schadlingskd Pflanzenschutz* 48 (9): 140-142. Ref. Eng. Sum. Sept 1975

039262 421 AN9
Population trend and time of activity of certain spiders (Araneida), collected from clover foliage in Egypt. (Ger) Negm, A A; Abou-Ghadir, M F; Salman, A G A *Anz Schadlingskd Pflanzenschutz* 48 (11): 161-163. Eng. Sum. Nov 1975

039263 AS21.A75U44
Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in hard red winter wheat. Somsen, H W; Oppenlander, K L; U.S. Agricultural Research Service North Central Region *ARS-NC U S Agric Res Serv North Cent Reg* 34, 7 P. Maps. Ref. Dec 1975

AS21.A75U53
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. Dilday, R H; Shaver, T N; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 80, 7 P. Ref. Jan 1976

65.8 B73
Selection within sugarcane populations for resistance to the sugarcane froghopper Mahanarva posticata Stal (Homoptera, Cercopidae) in Pernambuco. (Por) Marques, E J *Bras Acucar* 86 (4): 25-29. Oct 1975

039264 423.9 EN8
A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). Supplement III. Cothran, W R *Bull Entomol Soc Am* 21 (4): 251-255. Ref. Dec 1975

039265 100 C12CAG
Evaluation of insecticides for control of Egyptian alfalfa weevil [Hypera brunneipennis]. McCalley, N F; Wang, D I; Reische, W C; California Agricultural Experiment Station *Calif Agric* 29 (9): 10-11. Sept 1975

039266 100 C12CAG
Leafhoppers [Dalbulus maidis] on silage corn. Bushing, R W; Burton, V E; McCutcheon, O D; Etchegaray, H S; California Agricultural Experiment Station *Calif Agric* 29 (9): 11-12. Sept 1975

039267 100 C12CAG
Sorghum midge [Contarinia sorghicola] pest management in the San Joaquin Valley. Summers, C G; Coviello, R L; Pendery, W E; Bushing, R W; California Agricultural Experiment Station *Calif Agric* 29 (9): 4-5. Sept 1975

039268 65.9 Q3C
Locusts in Queensland cane areas. Hitchcock, B E *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 40-43. Oct 1975

039269 65.9 Q3C
Standover lifts "minor" insect numbers [Sugarcane pests, Aulacaspis madiunesis, Opogona glcyphaga]. Myatt, O W D *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 66-68. Oct 1975

039270 QP501.C6
Nitrogenous excretory products of adults of Sitophilus oryzae and Sitophilus granarius [wheat]. Baker, J E *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 107-109. Ref. 1976

039271 QP501.C6
Trehalose and glucose levels in the hemolymph of Heliothis virescens parasitized by Microplitis croceipes or Cardiochiles nigriceps. Dahlman, D L; Vinson, S B *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 465-468. Ref. Dec 15, 1975

039272 64.8 C883
Aflatoxins [Aspergillus flavus] in cottonseed as affected by the pink bollworm [Pectinophora gossypiella]. McMeans, J L; Brown, C M *Crop Sci* 15 (6): 865-866. Ref. Nov/Dec 1975

039273 64.8 C883
Differential reaction of Kentucky bluegrass [Poa pratensis] cultivars to the bluegrass billbug, Sphenophorus parvulus Gyllenhal. Kindler, S D; Kinbacher, E J *Crop Sci* 15 (6): 873-874. Nov/Dec 1975

039274 64.8 C883
Effects of pilose, pubescent, and smooth cottons on the cotton leafperforator [Bucculatrix thurberiella]. Wilson, R L; Wilson, F D *Crop Sci* 15 (6): 807-809. Ref. Nov/Dec 1975

039275 475 SCI23
Natural control of groundnut aphid, Aphis craccivora Koch. in central Gujarat. Patel, R C; Yadav, D N; Patel, J R *Curr Sci* 45 (1): 34-35. Jan 5, 1976

039276 381 D75
Control of Japanese beetle [Popillia japonica] and European chafer grub [Amphimallon majalis in turf] with Dursban insecticide. VanDerSchaaf, P; Tashiro, H *Down Earth* 31 (3): 9-13. Winter 1975

039277 381 D75
Control of some important cotton insect pests in the MiddleEast with chlorpyrifos. Komblas, K N *Down Earth* 31 (3): 17-22. Ref. Winter 1975

039278 421 R322AE
Dynamics of a cotton field arthropod association in northern Afghanistan (the case for an integrated cotton pest control system). II. Stolyarov, M V; Sugonyayev, YE S; Umarov, Sh A *Entomol Rev* 53 (3): 1-10. July/-Sept 1974 Trans 1975

039279 421 R322AE
The resistnace of corn to Ostrinia nubilalis Hbn (Lepidoptera, Pyralidae) and the prospects for international cooperation on this problem. Shapiro, I D; Pereverzev, D S *Entomol Rev* 53 (3): 158-161. July/Sept 1974 Trans 1975

039280 22 F223
Incidence of rice gall midges Pachydiplosis oryzae Wood-Mason) as affected by variations in some cultural practices of rice. Datta, A R; Das, P K; Chakraborty, T *Farm J (Calcutta)* 16 (6): 6-8. Apr 1975

039281 26 H27
The rhodesgrass scale [Antonina graminis] in Israel. 1. Life history, distribution, host plants and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. (Heb) Mescheloff, E; Gerson, U *Hassadeh* 56 (2): 317-320. Ref. Eng. Sum. Nov 1975

039282 QL461.S89
Pest management: concept to practice [Cotton, soybeans, insect pests, control]. Newsom, L D *In Insects, Science & Society Proceedings of a Symposium* P. 257-277. Ref. 1974 (Pub.1975)

039283 SB951.S8
Practical considerations in use of selective insecticides against major crop pests. Watson, T F *In Pesticide Selectivity. J. C. Street, ed.* P. 47-65. Ref. 1975

039284 442.8 IN2
Cytogenetic activity of dichlorvos [insecticide] in barley. Bhan, A K; Kaul, B L *Indian J Exp Biol* 13 (4): 403-405. Ref. July 1975

039285 65.8 IN26
Insect pests of sugarcane and their control. Banerjee, S N; Butani, D K *Indian Sugar* 25 (6): 561-571. (Continued) Ref. Sept 1975

039286 65.8 IN26
Insect pests of sugarcane and their control. Banerjee, S N; Butani, D K *Indian Sugar* 25 (5): 415-416. (Continued) Aug 1975

039287 65.8 IN26
Sevidol granule for the control of sugarcane shoot borer Chilo infuscatellus Snell. Padmanabhan, M D; Vardharajan, G; Saivaraj, K *Indian Sugar* 25 (6): 555-559. Ref. Sept 1975

039288 470 IO9
Yield losses in maize caused by different levels of infestation of second-brood European corn borers [Ostrinia nubilalis]. Guthrie, W D; Russell, W A; Neumann, F L; Reed, G L; Grindeland, R L *Iowa State J Res* 50 (2): 239-253. Nov 1975

039289 307.8 J82
Geometrical isomerization of 1,5-dienes: isomers of gossyplure, the pink bollworm [Pectinophora gossypiella] sex attractants. Sonnet, P E *J Am Oil Chem Soc* 53 (1): 36-38. Jan 1976

039290 410 J828
Arthropods in cereal crops: nocturnal activity, vertical distribution and aphid predation. Vickerman, G P; Sunderland, K D *J Appl Ecol* 12 (3): 755-765. Ref. Dec 1975

039291 410 J828
Some effects of soil type and crop density on the activity and abundance of the epigeic fauna, particularly Carabidae, in sugarbeet fields. Baker, A N; Dunning, R A *J Appl Ecol* 12 (3): 809-818. Ref. Dec 1975

039292 410 J828
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the Rhodesgrass scale, Antonina graminis (Maskell) (Homoptera: Pseudococcidae). Gerson, U; Mescheloff, E; Dubitzki, E *J Appl Ecol* 12 (3): 767-779. Ref. Dec 1975

QR360.A1J6
Polyamino acid induced aphid [Myzus persicae] transmission of plant viruses [Tobacco]. Pirone, T P; Kassanis, B *J Gen Virol* 29 (3): 257-266. Ref. Dec 1975

440.8 J822
Ferritin in insect vectors [Cicadulina mbila] of the maize streak disease agent electron microscopy and electron microprobe analysis. Kimura, M; Seveus, L; Maramorosch, K *J Ultrastruct Res* 53 (3): 366-373. Ref. Dec 1975

039293 11 L2322
Frit fly [Oscinella frit] in grain and grass. (Dan) Nielsen, A F *Landbo Nyt* 29 (8): 449, 451-452. Aug 1975

039294 421 M33
Development of the gall of Giraudiella inclusa Fr. On Phragmites communis Trin. (Fre) Rohfritsch, O *Marcellia* 38 (2/3): 251-270. Ref. Eng. Sum. Jan/Mar 1975

039295 23 N4892
Starling (Sturnus vulgaris L.) predation on grass grub (Costelytra zealandica (White), Melolonthinae) populations in Canterbury [Biological control]. East, R; Pottinger, R P *N Z J Agric Res* 18 (4): 417-452. Ref. Nov 1975

INSECT PESTS AND CONTROL—HORTICULTURAL CROPS

039296 472 N21
Hormonal control of insect epidermal cell commitment in vitro [Tobacco hornworm, Manduca sexta]. Riddiford, L M *Nature* 259 (5539): 115-117. Ref. Jan 15, 1976

421 P692
Studies with cowpea aphid-borne mosaic virus and its effect on cowpea in Iran [Vectors]. Kaiser, W J; Mossahebi, G H; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 33-39. Ref. Apr 1975

039297 275.29 IO9PA
Corn rootworms [Diabrotica longicornis, Diabrotica virgifera, Diabrotica undecimpunctata howardi] and their control. Stockdale, H J; DeWitt, J R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 670, 3 P. Jan 1976

039298 21 R862
Less known [insect] pests of alfalfa and sainfoin crops in the Constanta district, and their control. (Rum) Panait, N *Prod Veg Cereale Plante Teh* 27 (6): 21-25. June 1975

039299 21 R862
Preparing of dimethoate in insecticide form for ultra-low volume treatments [Leptinotarsa decemlineata, Eurygaster]. (Rum) Baicu, T; Nadejde, M; Radu, M; Popescu, G *Prod Veg Cereale Plante Teh* 26 (11): 35-40. Eng. Sum. Nov 1974

039300 21 R862
Some of the main beet pests [Insects]. (Rum) Ionescu, M *Prod Veg Cereale Plante Teh* 27 (6): 17-20. June 1975

6 T311
When will you have insect-resistant cotton? [Breeding]. Deterling, D *Prog Farmer (Birmingham)* 90 (5): 64-65. May 1975

039301 100 P381P
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: insecticides, petroleum distillates, and flaming. Hower, A A Jr; Pennsylvania Agricultural Experiment Station *Prog Rep Pa State Univ Agric Exp Stn* 351, 20 P. Ref. Oct 1975

9 R3222
Chemical control of the tomato spotted wild virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. (Spa) Ramallo, J C; Garcia, A; Weht, S *Rev Agron Noroeste Argent* 12 (1/2): 119-139. Ref. Eng. Sum. 1975

039302 S13.S44
Conservation of eggs of Graphosoma lineatum L. Bug by the method of deep freezing and their possible use to destroy eggs of harmful corn bugs. (Rus) Gennadiev, V G; Suntsova, M P *S-kh Biol* 10 (2): 245-249. Ref. Eng. Sum. Mar/Apr 1975

QH540.E32
Application of the energy principle to determine the amount of vegetation consumed by Orthoptera in the mountain pastures of eastern Georgia. Stolyarov, M V *Sov J Ecol* 6 (1): 1-5. Ref. Jan/Feb 1975

039303 61.8 SV2
Can the cabbage leaf louse be controlled on autumn rape? [Diaeretiella rapae, biological control]. (Swe) Borg, A *Sven Frotidn* 44 (5): 69-70. May 15, 1975

039304 61.8 SV2
Clover and lice [Anoplura, Mallophaga] in pasture cultivation. (Swe) Akerberg, E *Sven Frotidn* 44 (7/8): 97-99. July 15, 1975

039305 61.8 SV2
Control of the clover weevil [Rhynchophora] in the cultivation of clover seed. (Swe) Sigvald, R *Sven Frotidn* 44 (6): 88-91. June 15, 1975

039306 26 T754
Resistance in Digitaria to the yellow sugarcane aphid, Sipha flava (Forbes). Oakes, A J; Ratcliffe, R H *Trop Agric (Guilford)* 53 (1): 15-24. Ref. Jan 1976

039307 AS21.A75U5
Pupation sites of pink bollworms [Pectinophora gossypiella]: potential mortality resulting from cultivation of irrigated cotton. Fye, R E; Brewer, H L; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 32, 10 P. Dec 1975

039308 464.8 Z3
Effects of host plant and soil type on the life cycle of Sitona lividipes Fhs. [Pest of clover, alfalfa]. el-Kifl, A; el-Dessouki, S A; el-Awady, S *Z Pflanzenkr Pflanzenschutz* 81 (12): 758-764. Ref. 1974

039309 10 G79LA
Potato aphids [Chemical control]. *Advis Leafl G B Minist Agric Fish Food* 575, Rev., 6 P. 1975

039310 10 G79LA
Symphylids [Symphyla, vegetable pests]. *Advis Leafl G B Minist Agric Fish Food* 484, Rev., 6 P. 1975

039311 15 AG84
New fruit pests: the oriental fruit moth, Grapholitha (Laspeyresia) molesta Busch, on the peach tree. (Spa) Garcia de Otazo Lopez, J *Agricultura (Madr)* 44 (521): 669-671. Sept 1975

75.8 P842
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. Sams, D W; Lauer, F I; Radcliffe, E B *Am Potato J* 53 (1): 23-29. Jan 1976

039312 442.8 AN72
Glandular hairs are a possible means of limiting aphid [Macrosiphum euphorbiae, Myzus persicae] damage to the potato crop. Gibson, R W *Ann Appl Biol* 82 (1): 143-146. Jan 1976

039313 442.8 AN72
Glandular hairs on [the potato] Solanum polyadenium lessen damage by the Colorado beetle [Leptinotarsa decemlineata]. Gibson, R W *Ann Appl Biol* 82 (1): 147-150. Jan 1976

039314 442.8 AN72
Prevention of potato top-roll by aphicide and its effect on leaf area and photosynthesis [Macrosiphum euphorbiae]. Gibson, R W; Whitehead, D; Austin, D J; Simkins, J *Ann Appl Biol* 82 (1): 151-153. Jan 1976

039315 442.8 AN72
Simple extraction and bioassay of the female sex pheromone of the citrus mealybug, Planococcus citri. Rotundo, G; Tremblay, E *Ann Appl Biol* 82 (1): 165-167. Jan 1976

039316 442.8 AN72
Varietal differences in the susceptibility of Brussels sprouts to lepidopterous pests. Dunn, J A; Kempton, D P H *Ann Appl Biol* 82 (1): 11-19. Jan 1976

464.9 P562
Purification and serology of bean yellow mosaic virus [transmitted by Myzus amaranticolor]. Uyeda, I; Kojima, M; Murayama, D *Ann Phytopathol Soc Jap* 41 (2): 192-203. Ref. Apr 1975

421 AN72
Bionomics and management of Rhagoletis [Fruit pests]. Boller, E F; Prokopy, R J *Annu Rev Entomol* 21: 223-246. Ref. 1976

039317 421 AN72
Bionomics of the anthonomine weevils [Anthonominae, pests of fruits]. Burke, H R *Annu Rev Entomol* 21: 283-303. Ref. 1976

039318 QL1.B5
Toxic effects of copper on turnip moth (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on fertility of imagos. (Slo) Skrobak, J; Weismann, L; Skrobakova, E *Biologia, Ser B Zool* 30 (8): 621-631. Ref. Eng. Sum. 1975

039319 S15.C48
San Jose scale [Aspidiotus perniciosus, fruit pest control, Uruguay]. (Spa) Carbonell Bruhn, J; Briozzo Beltrame, J *Bol Divulg Minist Ganad Agric Cent Invest Agric Alberto Boerger* 30, 11 P. Mar 1975

039320 421 B65
Toxicity of some organophosphates and carbamates against Epilachna vigintioctopunctata F. [Eggplants, potatoes]. Katiyar, O P; Mukharji, S P *Botyu Kagaku* 40 (3): 89-93. Ref. Aug 1975

039321 423.9 EN8
A bibliography on the pear psylla, Psylla pyricola (Homoptera: Psyllidae). Chang, J F; Philogene, B J R *Bull Entomol Soc Am* 21 (4): 247-249. Ref. Dec 1975

039322 423.9 EN8
Host range of the black cutworm [Agrotis ipsilon] on vegetables: a bibliography. Rings, R W; Arnold, F J; Johnson, B A *Bull Entomol Soc Am* 21 (4): 229-234. Ref. Dec 1975

039323 100 C12CAG
Filth fly [Musca domestica] sources in decaying melon fields in southern California's low deserts [Spalangia, biological control]. Legner, E F; Olton, G S; California Agricultural Experiment Station *Calif Agric* 29 (12): 10-11. Dec 1975

039324 100 C12CAG
Navel orangeworm control through early harvest [Insect pests of walnuts]. Olson, W H; Hendricks, L C; Sibbett, G S; Davis, C S; Ramos, D E; California Agricultural Experiment Station *Calif Agric* 29 (9): 3. Sept 1975

039325 7 R31
Integrated control of phytophagous mites [Apples]. (Fre) Parent, B *Can Agric* 20 (4): 24-25. Fall 1975

039326 77.9 IN292
Studies on the efffect of some commonly used insecticdes against coconut blackheaded caterpillar [Nephantis serinopa Meyr]. Anjaria, P I; Kikani, K P; Shah, A H; Vora, V J *Coconut Bull* 6 (5): 1-2. Sept 1975

039327 475 SCI23
Cuscuta reflexa—a new host for Aphis craccivora [Citrus]. Cheema, S S; Kapur, S P; Kapur, S K *Curr Sci* 45 (1): 35. Jan 5, 1976

039328 475 SCI23
Metarrhizium anisopliae (Metch.) Sorokin on Brinjal mealy bug [Centrococcus insolitus] and its use in the biological control of the pest. Chaudhuri, S *Curr Sci* 45 (1): 34. Jan 5, 1976

039329 512 W263
Effect of the host plant [kidney bean] nutrition on the population of the two spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). Suski, Z W; Badowska, T *Ekol Pol* 23 (1): 185-209. Ref. 1975

421 R322AE
The leaf-eating microlepidoptera of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. Nguen Van Doai, *Entomol Rev* 53 (3): 67-73. Ref. July/Sept 1974 Trans 1975

039330 275.29 OR32C
Controlling green peach aphids [Myzus persicae] on potatoes. Robinson, R R; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 860, 3 P. Jan 1976

039331 275.29 OR32C
Controlling wireworms [Elateridae] in potatoes. Robinson, R R; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 861, 3 P. Jan 1976

039332 SB1.A1F5
Control of garden centipede [Scutigerella immaculata] on greenhouse spray Chrysanthemums; progress report. Bivins, J L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 1-2. Nov/Dec 1975

039333 80 F9492
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. (Fre) Tourneur, J C; Lecoustre, R *Fruits* 30 (7/8): 481-497. Ref. Eng. Sum. July/Aug 1975

039334 80 G1938
Prognosis concerning attack on apples by moth (Argyresthia conjugella Zell). (Nor) Edland, T *Gartneryrket* 65 (26/27): 462-465. July 4, 1975

039335 100 AL1H
Are your houseplants "bugged"? [Insect pests]. Williams, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 5. Winter 1975

039336 SB1.H6
CR 17-1-13, CR 18-13-1, CR22-2-21, cowpea curculio [Chalcodermus aeneus] resistant southernpea [Vigna unguiculata] germplasm [from South Carolina]. Cuthbert, F P Jr; Fery, R L *Hortsci* 10 (6): 628. Dec 1975

SB52.G43F6
Grape breeding and adaptation [for insect pest resistance]. (Ger) Schumann, F *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 159-166. Ref. 1974

039337 SB52.G43F6
Phylloxera vitifolii research and biochemistry [Grape pests]. (Ger) Schaefer, H *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 151-158. Ref. 1974

SB599.147
Studies on a virus causing mosaic disease of chilli [Aphis gossypii, Aphis craccivora, Myzus persicae vectors]. Khatri, H L; Sekhon, I S *Indian J Mycol Plant Pathol* 4 (2): 121-125. Ref. July 1974 (Pub. 1975)

039338 464.8 IN3
Dangerous reappearing of Calocoris trivialis Costa on olive-trees in Apulia. (Ita) Monaco, R *Inf Fitopatol* 25 (9): 5-7. Eng. Sum. Sept 1975

039339 464.8 IN3
Organophosphorus resistance in a peach orchard population of predacious mites [Acarina, Phytoseiidae]. (Ita) Ivancich Gambaro, P *Inf Fitopatol* 25 (7): 21-25. Ref. Eng. Sum. July 1975

039340 16 IT1
Pests of the grapevine: The exceptional damage caused in the Piedmont region by Vesperus strepens F. (Coleoptera, Cerambycidae]. (Ita) Olmi, M *Ital Agric* 112 (9): 106-111. Sept 1975

039341 381 J8223
Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, lima beans]. Yu, C C; Kuhr, R J *J Agric Food Chem* 24 (1): 134-136. Jan/Feb 1976

039342 381 J8223
Synthesis and laboratory and field evaluation of a new, highly active and stable insect growth regulator [for control of fruit pests]. Hangartner, W W; Suchy, M; Wipf, H K; Zurflueh, R C *J Agric Food Chem* 24 (1): 169-175. Ref. Jan/Feb 1976

381 J8223
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. Mody, N V; Hedin, P A; Neel, W M *J Agric Food Chem* 24 (1): 175-177. Ref. Jan/Feb 1976

039343 421 J822
Population increase of Phytoseiulus persimilis on differentinsectary feeding programs [Tetranychus pacificus, beans, pests]. McMurtry, J A; Scriven, G T *J Econ Entomol* 68 (3): 319-321. June 16, 1975

039344 420 EN86
Notes on the vine mealybug [Planococcus ficus] (Homoptera: nufacture). Velasco, V S; Dowling, J F *J Entomol Soc South Afr* 88: 138-154. Sept 1975

039345 442.9 C16J
Prolonged oral administration of methyl mercury chloride to rainbow trout (Salmo gairdneri) fingerlings. Wobeser, G *J Fish Res Board Can* 32 (11): 2015-2023. Ref. Nov 1975

039346 99.8 J82
Studies on chestnut [Castanea] insects in Ticino (Switzerland) [Pest control]. (Fre) Bovey, P; Linder, A; Muller, O *J For Suisse* 126 (11): 781-820. Maps. Ref. Nov 1975

039347 474 K842
Chalcid wasps from [cabbage] butterfly [Pieris brassicae] pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. (Ger) Danesch, E; Danesch, O *Kosmos* 71 (10): 436-439. Oct 1975

039348 11 L2322
Nesting place of the cabbage aphid [Brevicoryne brassicae]. (Dan) Lindegaard, J *Landbo Nyt* 29 (7): 385, 387, 389-390. July 1975

039349 105.1 G344
The control of the greenhouse white [Trialeurodes vaporariorum] on gherkins with insect growth regulators and insecticides. Veire, M van de; Hertveldt, L; Aerts, J *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1482-1489. 1974

039350 S19.M9
Chemical control of the potato tuber worm, Gnorimoschema operculella Zell. (Lepidoptera: Gelechiidae) in Karnataka. Gubbaiah,; Thontadarya, T S *Mysore J Agric Sci* 9 (3): 415-417. 1975

039351 S19.M9
Reaction of sweet potato varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. Jayaramaiah, M *Mysore J Agric Sci* 9 (3): 418-421. 1975

039352 100 OH3S (3)
Insect-tree relationships in the urban environment [Diseases, pests]. Nielsen, D G; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 100-102. Nov/Dec 1975

039353 464.8 P566
Insecticide treatment tests against the tarnished plant bug [Lygus lineolaris] of apple orchards in south-west Quebec. (Fre) Rivard, I *Phytoprotection* 56 (3): 155-160. Eng. Sum. Oct 1975

039354 464.8 P566
Integrated control of [insect pests] in horticulture in Canada. (Fre) Cartier, J J *Phytoprotection* 56 (3): 109-114. Eng. Sum. Oct 1975

039355 464.8 P566
Integrated control of the European red mite of apples, Panonychus ulmi (Koch). (Fre) Parent, B *Phytoprotection* 56 (3): 142-147. Ref. Eng. Sum. Oct 1975

039356 421 P692
A cossid [Xyleutes punctifer] attacking citrus and other fruit trees [West Indies]. Sommeijer, M J; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 53-54. Apr 1975

039357 421 P692
Egyptian cotton leafworm [Spodoptera littoralis] on tomato [Pakistan]. Ahmed, H; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 51-52. Apr 1975

039358 275.29 IO9PA
Bluegrass billbugs [Sphenophorus parvulus] and their control. Stockdale, H; DeWitt, J R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 667, 1 P. Jan 1976

039359 S19.P7
When to spray cauliflower [Pest control, chemical]. Singh, D; Bindra, O S; Ramzan, M *Prog Farming* 12 (3): 18-19. Nov 1975

442.8 P94
Observations of the penetration of the phloem in leaves of Nerium oleander (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). Botha, C E J; Evert, R F; Walmsley, R D *Protoplasma* 86 (4): 309-319. Ref. 1975

039360 64.8 R18
Studies on the prognosis of terms of the individual developmental stages in red plum maggot (Grapholitha funebrana Tr.) based on effective temperature summations. (Bul) Tosheva-TSvetkova, TS *Rastenievud Nauk* 12 (6): 134-147. Ref. Eng. Sum. 1975

039361 100 OH3R
An annotated bibliography of the dark-sided cutworm, Euxoa messoria (Harris) [Horticultural plants]. Rings, R W; Baughman, B A; Arnold, F J; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 205, 50 P. Ref. Dec 1975

039362 100 OH3R
Laboratory and field evaluation of insecticides for control of periodical cicada [Magicicada septendecim, in orchards]. Forsythe, H Y Jr; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 211, 9 P. Dec 1975

039363 80 SCH9
The catastrophe also started in Switzerland 100 years ago: the course of the vine louse [Phylloxera vastatrix] epidemic. (Ger) Faust, H *Schweiz Z Obst Weinbau* 111 (22): 572-577. Oct 18, 1975

039364 S13.S44
Stimulators of growth of gall tissues in Phylloxera-infected grape plants. (Rus) Zotov, V V; Gadiev, R Sh *S-kh Biol* 10 (2): 241-244. Ref. Eng. Sum. Mar/Apr 1975

039365 410.9 C33
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. Hostounsky, Z; Weiser, J *Vestn Cesk Spol Zool* 39 (2): 104-110. 1975

039366 80 V662
The role of predatory mites [Typhlodromus occidentalis] in mite control on tree fruits. Morris, D S; Field, R P *Victorian Hortic Dig* 66: 10-13. Spring 1975

039367 95.8 V77
The results of anatomical and microchemical analyses of the roots of the Tbilisuri variety in relation with resistance to Phylloxera [vitifoliae]. (Rus) Gegeshidze, K T *Vinodel Vinograd SSSR* 6: 35-39. 1975

039368 20 V82
Use of Trichogramma and Entobakterin for [biological] control of the codling moth [Carpocapsa pomonella, pest of apples]. (Ukr) Tkachov, V M; Onyshchenko, L H *Visn Sil's'kohospod Nauki* 11: 60-64. Nov 1975

039369 95.8 W435
Resistance to acaricides of outdoor populations of the fruit tree spider mite Panonychus ulmi (Koch) on grapes. (Ger) Englert, W D *Weinberg Keller* 22 (11/12): 491-499. Map. Ref. Eng. Sum. Nov/Dec 1975

039370 464.8 Z3
Field tests using a granulosis virus to control the codling moth (Laspeyresia pomonella (L.) [Apple pests, biological cntrol]. (Ger) Huber, J; Dickler, E *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 540-546. Eng. Sum. 1975

039371 464.8 Z3
Investigations on the insecticide resistance of Drosophila melanogaster M. within the Kaiserstuhl area 1957-1973. (Ger) Beye, F *Z Pflanzenkr Pflanzenschutz* 81 (12); 732-750. Ref. Eng. Sum. 1974

039372 464.8 Z3
The penetration of females of the fruit bark beetle Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. Ascher, K R S; Gurevitz, E; Renneh, S; Nemny, N E *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 378-383. Ref. 1975

039373 464.8 Z3
The situation in the San Jose scale (Quadraspidiotus perniciosus Comst.) areas of Baden-Wurttemberg twenty years after releasing Prospaltella perniciosi Tow. [Fruit pests,. (Ger) Neuffer, G *Z Pflanzenkr Pflanzenschutz* 82 (8/9): 503-514. Map. Ref. Eng. Sum. 1975

INSECT PESTS AND CONTROL—FOREST TREES, PRODUCTS

039374 14 P215BC
Study of the settling process of various xylophagous insects on Abies cephalonica in Greece (Mount Parnis, Attica). (Fre) Chararas, C *Acad Agric Fr C R Seances* 61 (6): 413-418. 1975

039375 1.98 AG84
Sex attractant curbs gypsy moth [Porthetria dispar, forest trees]. U.S. Agricultural Research Service *Agric Res* 24 (5): 8-11. Nov 1975

039376 99.8 AL53
Parasite problems in the biological regulation of mass increase of forest insects. (Ger) Kurir, A *Allg Forstztg* 86 (11): 333-334. Nov 1975

039377 99.8 AL53
Three years large area control of the spruce sawfly [Pristiphora abietina] with ultralow volume malathion spray in Styria. (Ger) Schnopfhagen, S *Allg Forstztg* 86 (9): 272, 274-276. Map. Sept 1975

039378 421 AN9
Contribution to the control of spruce gall aphids of the genus Sacchiphantes on Norway spruce [Picea abies]. (Ger) Maksymov, J K *Anz Schadlingskd Pflanzenschutz* 48 (8): 113-118. Ref. Eng. Sum. Aug 1975

039379 421 AN9
Effects of Dimillin, a new selective insecticide, on forestinsects. (Ger) Skatulla, U *Anz Schadlingskd Pflanzenschutz* 48 (10): 145-147. Eng. Sum. Oct 1975

039380 421 AN9
Further investigations on biophysical factors and their effects on Lymantria monacha L. (Lepidoptera, Lymantriidae) [Forest pests]. (Ger) Jahn, E *Anz Schadlingskd Pflanzenschutz* 48 (9): 136-139. Ref. Eng. Sum. Sept 1975

039381 421 AN9
Study of the diseases of the European elm bark beetle, Scolytus scolytus F. in the Kosova area, Yugoslavia. (Ger) Purrini, K *Anz Schadlingskd Pflanzenschutz* 48 (10): 154-156. Eng. Sum. Oct 1975

039382 423.92 C16F
Aerial application of a nuclear polyhedrosis virus to control European pine sawfly [Neodiprion sertifer]. Cunningham, J C; Kaupp, W J; McPhee, J R; Sippell, W L; Barnes, C A *Bi-mon Res Can For Serv* 31 (6): 39-40. Nov/Dec 1975

039383 423.92 C16F
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on survival of western hemlock looper [Lambdina fiscellaria lugubrosa]. Sahota, T S; Shepherd, R F *Bi-mon Res Can For Serv* 31 (6): 39. Nov/-Dec 1975

039384 512 W262
Environmental regulation of the population size of the oak leaf roller moth (Tortrix viridana L.) in the Niepolomice Forest. Witkowski, Z *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 513-519. 1975

039385 470 C16C
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. Happ, G M; Happ, C M; Barras, S J *Can J Bot* 53 (23): 2702-2711. Ref. Dec 1, 1975

470 C16C
Two infection sites of Hypoxylon mammatum in trembling aspen (Populus tremuloides) [Saperda concolor]. Manion, P D *Can J Bot* 53 (22): 2621-2624. Ref. Nov 15, 1975

039386 470 C16D
Esponse of the ovenbird (Aves: Parulidae) to an outbreak of the spruce budworm [Choristoneura fumiferana, control]. Zach, R; Falls, J B *Can J Zool* 53 (11): 1669-1677. Ref. Nov 1975

039387 99.9 V66F
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in river red gum [Eucalyptus camaldulensis] forests. Harris, J A *For Tech Pap For Comm (Victoria)* 22: 15-18. June 1975

039388 SB436.J6
Establishing an integrated pest control program for street trees. Olkowski, W; Olkowski, H *J Arboric* 1 (9): 167-172. Ref. Sept 1975

039389 99.8 N62
The mortality factors of experimental populations of Lymantria dispar in a larch [Larix leptolepis] plantation and natural forest. (Jpn) Furuta, K; Koizumi, C *J Jap For Soc* 57 (12): 432-435. Eng. Sum. Dec 1975

039390 381 J827
A stereoselective total synthesis of exo- and endo-brevicomin [Dendroctonus brevicomis, control]. Kocienski, P J; Ostrow, R W *J Org Chem* 41 (2): 398-400. Ref. Jan 23, 1976

039391 381 J827
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. Lipkowitz, K B; Mundy, B P; Matsko, T H *J Org Chem* 41 (2): 371-373. Jan 23, 1976

039392 381 J827
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.-1]octane series by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. Lipkowitz, K B; Mundy, B P *J Org Chem* 41 (2): 373. Jan 23, 1976

039393 99.9 W262
Remarks on the biology and control of Hylecoetus dermestoides L. (Coleoptera, Lymexylonidae) against the background of observations made during 1953-1973 in the Rogow Experiment Forest of the Agricultural University in Warsaw. (Pol) Dominik, J *Lesnictwo (Warsz)* 21: 93-98. Eng. Sum. 1975

99.9 W262
Tentative appraisal of losses caused by insect, technical pests of wood, in the Hajnowka woodworking installations. (Pol) Poskrobko, B *Lesnictwo (Warsz)* 21: 99-102. Eng. Sum. 1975

039394 SD1.L44
The effect of Dendrobacillin on insect and arachnid fauna of oak forests of the trans-Carpathian region [Forest pests, biological control]. (Rus) Akimtseva, N A *Lesovod Agrolesomelior* 41: 80-82. 1975

039395 SD1.L44
The green oak leafroller moth [Tortrix viridana] and its entomophages in Ivano-Frankovskii Region [Natural control]. (Rus) Logoida, S S; Shpil'chak, M B *Lesovod Agrolesomelior* 41: 74-79. Ref. 1975

039396 SD1.L44
Ultra-low-volume aerial spraying—a new technique in controlling forest insect pests. (Rus) Avramenko, I. D; Karpenko, A V; Miasoedov, V P; Dashevskii, V I; Zakordonets, V A *Lesovod Agrolesomelior* 41: 64-73. 1975

039397 99.8 M292
A preliminary survey of insect attack on seedlings and saplings in Bukit Belata Forest Reserve. Daljeet-Singh, K *Malay For* 38 (1): 14-16. Jan 1975

039398 99.8 M292
The termite problem in plantation forestry in Peninsular Malaysia. Pong, T Y *Malay For* 37 (4): 278-283. Ref. Oct 1974 (Pub. Aug 1975)

039399 421 M33
Development of the apex of Taxus baccata L. Under the influence of Taxomyia taxi Inch., and postmortem effects provoked by Cecidozoaire. (Fre) Jauffret, F *Marcellia* 38 (2/3): 239-249. Ref. Eng. Sum. Jan/Mar 1975

039400 421 M33
The carotenoid content of galls produced by Eriophyes tiliae var. rudis Nal. (Acarina) on Tilia cordata Mill., leaves. Czeczuga, B *Marcellia* 38 (2/3): 223-225. Jan/Mar 1975

039401 TA401.M32
Coptotermes in the heartwood of living trees in Central andWest Africa. Becker, G *Mater Org* 10 (2): 149-154. Ref. 1975

039402 TA401.M32
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. (Fre) Chararas, P C; Courtois, J E; Boulard, C *Mater Org* 10 (3): 203-221. Ref. Eng. Sum. 1975

039403 100 N813B
Control of the forest tent caterpillar [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, biological control]. Frye, R D; Ramse, D; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 19-22. Sept/Oct 1975

039404 474 N213
Ipsenol, the population control material for silver fir bark beetle [Pityokteines curvidens, Coleoptera, Scolytidae]. (Ger) Harring, C M; Vite, J P; Hughes, P R *Naturwissenschaften* 62 (10): 488. Oct 1975

039405 99.8 N28
Infestations by insects and mites of [forest] trees and shrubs in 1974. (Dut) Doom, D *Ned Bosbouw Tijdschr* 47 (7/8): 197-203. Eng. Sum. July/Aug 1975

039406 470 SCI2
Selective production of cis- and trans- verbenol from (-)-and (+)-alpha-pinene by a bark beetle [Ips paraconfusus]. Renwick, J A A; Hughes, P R; Krull, I S *Science* 191 (4223): 199-201. Jan 16, 1976

039407 99.8 SY52
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. (Pol) Karczewski, J *Sylwan* 119 (4): 9-13. Ref. Eng. Sum. Apr 1975

039408 99.8 SY52
Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, pests, Coniferae]. (Pol) Mazur, S *Sylwan* 119 (9): 57-60. Eng. Sum. Sept 1975

039409 A99.9 F7632US
Sexing large aspen tortrix pupae [Choristoneura conflictana, Populus tremuloides]. Jennings, D T; Acciavatti, R E; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 298, 2 P. Sept 1975

039410 464.8 Z3
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of spruce [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). (Ger) Thalenhorst, W *Z Pflanzenkr Pflanzenschutz* 81 (12): 717-727. Map. Eng. Sum. 1974

INSECT PESTS AND CONTROL—PRODUCTS

039411 22 AG832
Some laboratory observations on the biology and predaceous activities of the mite Pyemotes ventricosus Newport (Acarina: Pyemotidae) [Storage pests]. Zaman, I *Agric Pak* 26 (1): 93-97. Mar 1975

039412 16 AG8226
The grain goes to the radiologist [Insect pest and food quality control]. (Ita) Tirelli, M *Agricoltura* 24 (5): 27-34. May 1975

039413 15 AG84
Insect injuries of cereal grains [Storage pests]. (Spa) Puerta Castello, L de la *Agricultura (Madr)* 44 (519): 545-547. July 1975

039414 442.8 AN72
A survey of mites in bulk grain stored on farms in England and Wales. Griffiths, D A; Wilkin, D R; Southgate, B J; Lynch, S M *Ann Appl Biol* 82 (1): 180-185. Jan 1976

039415 442.8 AN72
An analysis of feeding in Cheyletus eruditus a predator of storage mites [Acarus, biological control]. Berreen, J *Ann Appl Biol* 82 (1): 190-192. Jan 1976

039416 442.8 AN72
The chemical control of mites infesting Freesia corms and Narcissus bulbs [During storage]. Wilkin, D R; Murdoch, G; Woodville, H C *Ann Appl Biol* 82 (1): 186-189. Jan 1976

039417 442.8 AN72
The effect of physical conditions on the development and increase of some important storage mites [Cereals and cereal products]. Cunnington, A M *Ann Appl Biol* 82 (1): 175-178. Jan 1976

039418 442.8 AN72
The effects of cooling on mite infestations in bulk grain. Burrell, N J; Havers, S J *Ann Appl Biol* 82 (1): 192-197. Jan 1976

039419 442.8 AN72
The origin and sources of mite infestation of stored grain and related products in the Republic of Ireland. Cusack, P D; Evans, G O; Brennan, P A *Ann Appl Biol* 82 (1): 178-179. Jan 1976

039420 442.8 AN72
The use of pirimiphos-methyl to control mites in stored grain. McCallum, J; Pascoe, R *Ann Appl Biol* 82 (1): 197-201. Jan 1976

039421 421 AN9
Niptus hololeucus in toothpaste. (Ger) Weidner, H *Anz Schadlingskd Pflanzenschutz* 48 (11): 169-170. Eng. Sum. Nov 1975

039422 421 AN9
The oviposition and development of the grain beetle Oryzaephilus mercator faur. on dry fruit meals (Coleoptera, Cuciyidae). (Ger) Joshi, G P *Anz Schadlingskd Pflanzenschutz* 48 (8): 119-120. Eng. Sum. Aug 1975

039423 421 B65
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from stored beans afer fumigated with hydrogen phosphide. (Jpn) Sato, K; Suwanai, M *Botyu Kagaku* 40 (3): 85-89. Eng. Sum. Aug 1975

039424 TS2120.B8
A qualitative of free amino acids in the developmental stages of Sitotroga cerealella Oliv. and Cadra cautella (Wlk) [Pests of stored cereals]. Singh, K M; Agrawal, R K; Teotia, T P S *Bull Grain Technol* 13 (1): 3-7. Ref. Apr 1975

039425 TS2120.B8
Assessment of the quality loss in wheat damaged by Trogoderma granarium Everts during storage. VI. Girish, G K; Kumar, A; Jain, S K *Bull Grain Technol* 13 (1): 26-32. Ref. Apr 1975

039426 TS2120.B8
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity [Flour pests]. Simwat, G S; Chahal, B S *Bull Grain Technol* 13 (1): 23-25. Apr 1975

039427 TS2120.B8
Natural enemies of Trogoderma granarium everts infesting wheat in the rural stores in the Punjab. Battu, G S; Bains, S S; Atwal, A S *Bull Grain Technol* 13 (1): 52-55. Apr 1975

59.8 C33
Methyl bromide fumigation. I. Effect of high dosages on breadmaking quality and germination of wheat. Minett, W; Orth, R A; Cook, L J *Cereal Chem* 53 (1): 41-50. Ref. Jan/Feb 1976

039428 512 W263
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. Ciesielska, Z *Ekol Pol* 23 (1): 163-183. Ref. 1975

280.38 F62
An entomological contribution to the problem of fly-infected meat. A few biological data on Piophila and Calliphora. (Ger) Blumel, B *Fleischwirtschaft* 55 (10): 1405-1408. Ref. Oct 1975

039429 389.8 F736
Tackling insect problems of plant bakeries. Turner, B V H *Food Manuf* 50 (12): 23, 27. Dec 1975

039430 389.8 F736
The Australian spider beetle (Ptinus tectus) [Pests of stored products]. Hobbs, L *Food Manuf* 50 (12): 27. Dec 1975

039431 SF95.C63 1974
Pest control and storage problems in feed commodities in tropical and subtropical countries. Ashman, F *In Proceedings of the Conference on Animal Feeds of Tropical and Subtropical Origin* P. 267-272. Ref. 1974 (Pub. 1975)

039432 334.8 IN84
On the possible development of radio-resistance in Sitophilus oryzae (L.) following exposures of successive generations to ionizing radiation. Matin, A S M A *Int J Appl Radiat Isot* 26 (10): 625-626. Oct 1975

039433 450 J829
Food preference and site of damage to preferred products by ria hyperborea]. Sarin, K; Saxena, S C *J Ecol* 63 (3): 739-765. Ref. Nov 1975

039434 421 P692
Pest infestation [Coleoptera, Lepidoptera] in stored mushroom. Srinath, D; Gill, J S; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2); 49-50. Apr 1975

039435 S19.P7
Some useful tips on fumigation of foodgrains [Storage pests, control]. Dhaliwal, G S *Prog Farming* 12 (2): 21. Oct 1975

INSECT PESTS AND CONTROL—ANIMAL AND MAN

039436 475 AC8
First contribution to the ecological study of Ixodes ricinus (Linne, 1758) (Acarina, Ixodoidea) in southeastern France. (Fre) Gilot, B; Pautou, G; Moncada, E; Ain, G *Acta Trop* 32 (3): 232-258. Maps. Ref. Eng. Sum. 1975

039437 475 AC8
Studies on malaria and responses of Anopheles balabacensis balabacensis and Anopheles minimus to DDT residual spraying in Thailand. II. Post-spraying observations. Ismail, I A H; Notananda, V; Schepens, J *Acta Trop* 32 (3): 206-231. Ref. 1975

039438 475 AC8
The microorganisms of tsetse flies [Glossina]. Southwood, T R E; Khalaf, S; Sinden, R E *Acta Trop* 32 (3): 259-266. Ref. 1975

039439 41.8 AD9
Significant recent advances in biological control of vector insects [Pests of livestock and man]. Weiser, J *Adv Vet Sci Comp Med* 19: 47-72. Ref. 1975

039440 SF998.A1A55
Resistant cattle for biological control of cattle tick [Boophilus microplus]. Wharton, R H *Anim Quar* 4 (2): 13-17. Ref. Sept 1975

039441 SF998.A1A55
The cattle tick [Boophilus microplus] in relation to animalproduction in Australia. Springell, P H *Anim Quar* 4 (2): 4-9. Ref. Sept 1975

039442 41.9 P67
Contribution to the knowledge of the Mallophaga of the pheasang (Phasianus colchicus L.) in Tuscany. (Ita) Marconcini, A; Macchioni, G *Ann Fac Med Vet Pisa* 27: 101-112. Ref. Eng. Sum. 1974 (Pub. 1975)

039443 436.8 AN7
Natural infection of Aedes (Stegomyia) herbrideus by a Coelomomyces [finlayae] in New Hebrides. (Fre) Rodhain, F; Fauran, P *Ann Parasitol Hum Comp* 50 (5): 643-646. Eng. Sum. Sept/Oct 1975

039444 448.9 L75A
DDT-resistance status and the effects of DDT exposure in relation to the vectorial capacity of Aedes aegypti (L.) for Brugia pahangi (Buckley and Edeson). Gaaboub, I A; Busvine, J R *Ann Trop Med Parasitol* 69 (4): 493-501. Dec 1975

039445 421 AN72
Effects of external and internal arthropod parasites on domestic livestock production. Steelman, C D *Annu Rev Entomol* 21: 155-178. Ref. 1976

039446 ASF601.A1U5
National [livestock] tick [Ixodides] surveillance program, calendar year 1974. U.S. Animal and Plant Health Inspection Service *APHIS-91 U S Anim Plant Health Insp Serv* 28, 17 P. Maps. Sept 1975

039447 100 AR42F
Recorded distribution of the face fly [Musca autunmalis] inArkansas in 1975 [Livestock]. Boyer, W P; Rouse, E P; Lancaster, J L Jr; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 4. Map. Sept-/Oct 1975

039448 421 B65
Quinol phosphate as a metabolite of triphenyl phosphate [Musca domestica]. Eto, M; Miyamoto, H; Hashimoto, Y *Botyu Kagaku* 40 (3): 106-109. Ref. Aug 1975

039449 7 R31
Controlling black fly [Simulium arcticum] outbreaks [Cattle]. Fredeen, F J H *Can Agric* 20 (4): 15-17. Map. Fall 1975

039450 443.8 C16
Linkage of the genes for DDT and dieldrin resistance in larvae of the mosquito Aedes aegypti. Hitchen, J M; Wood, R J *Can J Genet Cytol* 17 (4): 543-551. Ref. Dec 1975

039451 470 C16D
A case of traumatic dermal myiasis in Quebec caused by Phormia regina (Meigen) (Diptera: Caliphoridae). Ali-Khan, F E A; Ali-Khan, Z *Can J Zool* 53 (10): 1472-1476. Oct 1975

470 C16D
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. Atchley, W R; Wirth, W W *Can J Zool* 53 (10): 1421-1423. Oct 1975

039452 QP501.C6
Occurrence of lipoprotein lipase in the fatbody of Triatomamaculata [Vector of Chagas' disease]. Fonseca, C L C da *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 523-524. Ref. Dec 15, 1975

039453 421 EN88
Notes on a collection of mammal-fleas from New Hampshire. Lovejoy, D A; Gaughan, P J *Entomol News* 86 (7/8): 145-149. Ref. Sept/Oct 1975

039454 421 EN88
The mites Proctophyllodes picae (Koch) and Proctophyllodes orientalis Gaud on the bird myna in India. Kapoor, V C; Kaur, P *Entomol News* 86 (7/8): 144. Sept/Oct 1975

421 R322AE
Preimaginal morphology of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. (Diptera, Tabanidae). Terteryan, A YE *Entomol Rev* 53 (3): 42-51. Ref. July/Sept 1974 Trans 1975

436.8 C33
Parasitic mites of Surinam. XXXII. New species of feather mites (Sarcoptiformes, Analgoidea). Cerny, V *Folia Parasit* 22 (3): 233-240. 1975

039455 436.8 C33
Population structure and dynamics of the house dust mite Dermatophagoides farinae (Acarina: Pyroglyphidae) in Czechoslovakia. Dusbabek, F *Folia Parasit* 22 (3): 219-231. Ref. 1975

039456 436.8 C33
Scanning electron microscopy of the ticks Ixodes laguri andIxodes arboricola: surface structures of Haller's organ. Honzakova, E; Sixl, W; Waltinger, H *Folia Parasit* 22 (3): 241-243. Ref. 1975

039457 436.8 C33
The role of mammals in natural foci of tick-borne [Ixodes ricinus] encephalitis in Central Europe. Cerny, V *Folia Parasit* 22 (3): 271-273. 1975

039458 26 H27
External parasites in animals and their control [Ticks]. (Heb) Hadani, A *Hassadeh* 56 (2): 262-264. Nov 1975

039459 QH541.5.L3S7
Mosquitoes, arboviruses and vertebrates [Infections of man]. Surtees, G *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 21-34. Ref. 1975

039460 QH541.5.L3S7
Mosquitoes, malaria and man. Waddy, B B *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 7-20. Ref. 1975

039461 QH541.5.L3S7
Mosquitoes [Vectors of diseases]. Paterson, H E *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 301-309. Ref. 1975

039462 448.8 IN22
A survey of haematophagous arthropods in western Himalayas, Sikkim and hill districts of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. Bhat, H R *Indian J Med Res* 63 (11): 1583-1608. Ref. Nov 1975

039463 448.8 IN22
Observations on the re-establishment of Aedes aegypti population in Poona City and suburbs, Maharashtra State, India. Geevarghese, G; Kaul, H N; Dhanda, V *Indian J Med Res* 63 (8): 1155-1163. Map. Ref. Aug 1975

039464 448.8 IN22
Studies on physicochemical and biological properties of two ungrouped arboviruses: Minnal and Arkonam [Isolated from Culex vishnui and Anopheles subpictus]. Dandawate, C N; Shope, R E *Indian J Med Res* 63 (8): 1180-1187. Ref. Aug 1975

41.8 IN2
Tetramorium tortosum (Rog), an intermediate host of poultrytapeworms Raillietina echinobothrida and Raillietina tetragona. Gogoi, A R; Hazarika, R N *Indian Vet J* 52 (12): 939-941. Dec 1975

039465 QL461.I56
Flea beetle [Diamphidia, Polyclada] poison. Wilcox, J A *Insect World Dig* 2 (6): 14-15. Nov/Dec 1975

039466 QL461.I56
Stinging of man by the pavement ant, Tetramorium caespitum (L.) is painful and the reaction lasts for several days. Gurney, A B *Insect World Dig* 2 (5): 19-25. Ref. Sept/Oct 1975

039467 381 J8223
Attractants for synanthropic flies: Identification of attractants and coattractants for Hippelates [collusor] eye gnats (Diptera: Chloropidae). Hwang, Y S; Mulla, M S; Axelrod, H *J Agric Food Chem* 24 (1): 164-169. Ref. Jan/Feb 1976

039468 381 J8223
Overcrowding factors of mosquito larvae. VII. Preparation and biological activity of methyloctadecanes and methylnonadecanes against mosquito larvae [of Culex pipiens quinquefasicatus]. Hwang, Y S; Mulla, M S; Arias, J R; Majori, G *J Agric Food Chem* 24 (1): 160-163. Ref. Jan/Feb 1976

039469 410 J828
Some possible effects of dung beetle activity on the infestation of pastures by intestinal worm larvae of cattle. Durie, P *J Appl Ecol* 12 (3): 827-831. Dec 1975

039470 420 EN86
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: Ixodidae) [Dairy cattle, pests]. Londt, J G H; Arthur, D R *J Entomol Soc South Afr* 38 (2): 321-340. Ref. Sept 1975

039471 448.8 J826
Problems of housefly (Musca domestica) control due to multiresistance to insecticides. Keiding, J *J Hyg Epidemiol Microbiol Immunol* 19 (3): 340-355. Ref. 1975

039472 448.8 J826
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. Rehacek, J; Zupancicova, M; Kovacova, E; Urvolgyi, J; Brezina, R *J Hyg Epidemiol Microbiol Immunol* 19 (3): 329-339. Ref. 1975

421 J828
A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae) [New taxa]. Price, R D; Hellenthal, R A *J Med Entomol* 12 (4): 401-408. Ref. Oct 31, 1975

039473 421 J828
Aedes hendersoni: failure of laboratory-infected mosquitoes to transmit LaCrosse virus (California encephalitis group). Watts, D M; Grimstad, P R; DeFoliart, G R; Yuill, T M *J Med Entomol* 12 (4): 451-453. Ref. Oct 31, 1975

039474 421 J828
Arthropod parasites of passerine birds from South Bass Island, Ohio. Cooper, C L; Crites, J L *J Med Entomol* 12 (4): 483. Oct 31, 1975

039475 421 J828
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of age at time of treatment on sterility and longevity. Crystal, M M; Ramirez, R *J Med Entomol* 12 (4): 423-425. Oct 31, 1975

039476 421 J828
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in susceptible genotypes of Aedes aegypti (Diptera: Culididae). Rodriguez, P H *J Med Entomol* 12 (4): 447-450. Ref. Oct 31, 1975

039477 421 J828
Field studies of systemic insecticides. I. Evaluation of phoxim for control of fleas [Polygenis gwyni] on cotton rats. Miller, B E; Bennett, W C; Graves, G N; Wheeler, J R *J Med Entomol* 12 (4): 425-430. Ref. Oct 31, 1975

039478 421 J828
Insect growth regulating agents for control of arthropods of medical and veterinary importance. Chamberlain, W F *J Med Entomol* 12 (4): 395-400. Ref. Oct 31, 1975

039479 421 J828
Lack of specificity in assembly pheromones of soft ticks (Acari: Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, Argas brumpti]. Leahy, M G; Sternberg, S; Mango, C; Galun, R *J Med Entomol* 12 (4): 413-414. Oct 31, 1975

039480 421 J828
Lutzomyia vespertilionis (Diptera: Psychodidae): potential vector of chiropteran trypanosomes in Panama. Christensen, H A; Herrer, A *J Med Entomol* 12 (4): 477-478. Oct 31, 1975

039481 421 J828
Notes on parasitism of black flies (Diptera: Simuliidae) in streams treated with Abate. Garris, G I; Noblet, R *J Med Entomol* 12 (4): 481-482. Oct 31, 1975

039482 421 J828
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain Spotted Fever. Wilkinson, P R; Garvie, M B *J Med Entomol* 12 (4): 480. Oct 31, 1975

039483 421 J828
Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. Doube, B M; Heath, A C G *J Med Entomol* 12 (4): 443-447. Oct 31, 1975

039484 421 J828
Pyrethroid contact sprays against the house fly (Musca domestica L.). Willis, N L; Thomas, J A *J Med Entomol* 12 (4): 457-458. Oct 31, 1975

039485 421 J828
Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. Jackson, J O; DeFoliart, G R *J Med Entomol* 12 (4): 409-412. Ref. Oct 31, 1975

039486 421 J828
Satanicoptes armatus, n. Gen., n. Sp. (Astigmata: Sarcoptidae), a new mite producing mange in the Tasmanian Devil (Sarcophilus harrisii Boitard). Fain, A; Laurence, B R *J Med Entomol* 12 (4): 415-417. Oct 31, 1975

039487 421 J828
Screwworm flies [Cochliomyia hominivorax] for sterle-male relase: laboratory tests of the quality of candidate strains. Crystal, M M; Ramirez, R *J Med Entomol* 12 (4): 418-422. Ref. Oct 31, 1975

039488 421 J828
The effects of different blood-meal sources on digestion and egg production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. Downe, A E R; Archer, J A *J Med Entomol* 12 (4): 431-437. Ref. Oct 31, 1975

039489 41.8 SO8
Scorpion stings in dogs. Thornton, D J *J S Afr Vet Assoc* 46 (2): 205. June 1975

039490 41.8 M742
Larvae of Calliphoridae as pathogens of myiasis in guinea pigs. (Ger) Ribbeck, R; Schumann, H; Bergmann, V *Monatsh Veterinarmed* 30 (15): 584-587. Ref. Eng. Sum. Aug 1, 1975

S19.M9
On Rhipicephalus ticks of Gujarat, together with a description of a new species—rhipicephalus arakeri from a common Indian rat. Hiregoudar, L S *Mysore J Agric Sci* 9 (3): 473-479. 1975

039491 41.8 N483
The brown dog tick (Rhipicephalus sanguineus) on an imported dog. McKenna, P B; Tenquist, J D; Ker, J *N Z Vet J* 23 (10): 242. Oct 1975

472 N21
Aedes aegypti complex in Africa. Paterson, H E; Green, C A; Mahon, R J *Nature* 259 (5540): 252. Ref. Jan 22, 1976

039492 472 N21
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. Tully, J G; Whitcomb, R F; Williamson, D L; Clark, H F *Nature* 259 (5539): 117-120. Ref. Jan 15, 1976

039493 474 N213
Induction of sterility in male houseflies [Musca domesticus] by vapors of Acorus calamus L. oil. Mathur, A C; Saxena, B P *Naturwissenschaften* 62 (12): 576-577. Dec 1975

039494 41.8 N813
A mass attack by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of sewage discharge. Nielsen, B O; Christensen, O *Nord Veterinaermed* 27 (7/8): 365-372. Ref. July/Aug 1975

039495 100 OH3S (3)
Chemical fly [Musca domestica] control in Ohio dairy barns. Treece, R E; Heller, P R; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 99. Nov/Dec 1975

039496 41.8 ON1
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. Howell, C J; Neitz, A W H; Potgieter, D J J *Onderstepoort J Vet Res* 42 (3): 99-102. Ref. Sept 1975

039497 QL757.A1P32
Control of Culex pipiens molestus Forsk. Under the conditions of Leningrad. (Rus) Vansulin, S A *Parazitologiia* 9 (5): 462-463. Eng. Sum. Sept/Oct 1975

039498 QL757.A1P32
Fleas [Siphonaptera] of Citellus fulvus Licht. And their infection rate with the plague agent over the territory of Kazakhstan and Central Asia. (Rus) Tristan, D F; Prokop'ev, V N *Parazitologiia* 9 (5): 398-403. Map. Ref. Eng. Sum. Sept/Oct 1975

039499 QL757.A1P32
Mites from lemmings of east Taimyr. (Rus) Bogdanov, I I *Parazitologiia* 9 (6): 522-525. Eng. Sum. Nov/Dec 1975

QL757.A1P32
On the classification of the biting midges (Diptera, Ceratopogonidae). (Rus) Remm, Kh *Parazitologiia* 9 (5): 393-397. Eng. Sum. Sept/Oct 1975

039500 QL757.A1P32
Photoperiodic and temperature induction of egg diapause in Aedes caspius caspius Pall. (Diptera, Culicidae). (Rus) Vinogradova, E B *Parazitologiia* 9 (5): 385-392. Ref. Eng. Sum. Sept/Oct 1975

039501 QL757.A1P32
The ability of the females of ixodid ticks to recover after DDT poisoning during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. (Rus) Uspenskii, I V; Ioffe, I D; Dineva, A I *Parazitologiia* 9 (5): 404-411. Ref. Eng. Sum. Sept/Oct 1975

039502 QL757.A1P32
The absolute registration of pasture ixodid ticks (parasitiformes, Ixodidae) from the eastern slope of Sikhote-Alin. (Rus) Kolpnin, G V; Kiselev, A N; Bolotin, E I *Parazitologiia* 9 (5): 419-424. Eng. Sum. Sept/Oct 1975

039503 QL757.A1P32
The effect of a long contact of the population of fleas [Xenopsylla cheopis] with plague Bacteria on the infection activity of vectors. (Rus) Bibikova, V A; Klassovskii, L N; Khrustselevskaia, N M *Parazitologiia* 9 (6): 515-517. Eng. Sum. Nov/Dec 1975

039504 QL757.A1P32
Ultrafine structure of the integument of the [blood sucking] tick Hyalomma asiaticum P. Sch. et E. Schl. during its starvation and feeding. (Rus) Amosova, L I *Parazitologiia* 9 (5): 413-418. Ref. Eng. Sum. Sept/Oct 1975

424.8 P295
Therapeutic preparations for Varroa disease control [Apis mellifera]. (Rus) Smirnov, V M *Pchelovodstvo* 10: 19-21. Oct 1975

039505 421 P99
Protection of livestock from tsetse [Glossina morsitans] bites by means of repellents [Cattle]. Galun, R *Pyrethrum Post* 13 (1): 2-4. Ref. June 1975

039506 421 P99
Pyrethrins and pyrethroids in coils—a review [Mosquito control]. Winney, R *Pyrethrum Post* 13 (1): 17-22. Ref. June 1975

039507 421 P99
Pyrethrum airsprays control mosquitoes [Aedes taeniorhynchus] in the Caribbean. Lee, C W *Pyrethrum Post* 13 (1): 5-6. June 1975

039508 421 P99
Some observations on the biological performance of Pyrethrum based mosquito [Aedes aegypti] coils. Winney, R; Kuria, R M *Pyrethrum Post* 13 (1): 7-14. Ref. June 1975

039509 421 P99
Stability of pyrethrins in mosquito [Aedes aegypti] coils under long storage—a note. MacIver, D R *Pyrethrum Post* 13 (1): 15-16. June 1975

039510 S95.E23
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. Matthysse, J G; Vreden, G van; Purnasiri, A; Jones, C J; Netherton, H R; McClain, D S; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 4 (11), 31 P. Ref. 1975

039511 448.9 R813
A study of the host selection patterns of the mosquitoes of the Kisumu area of Kenya [Vectors of disease to man]. Chandler, J A; Boreham, P F L; Highton, R B; Hill, M N *Trans R Soc Trop Med Hyg* 69 (4): 415-425. Map. Ref. 1975

039512 410 V42
Lice [Anoplura, Mallophaga]. Means of controlling lice [in fur animals]. (Swe) Hansen, M *Vara Palsd* 46 (4): 100. Apr 15, 1975

039513 410.9 C33
Host races of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: Trichodectidae) [New taxa]. (Ger) Dobroruka, L J *Vestn Cesk Spol Zool* 39 (4): 251-253. 1975

039514 41.9 C333
Demodex suis [Swine, demodectic mange]. (Cze) Kadlec, V *Vet Med (Prague)* 20 (7): 441-443. Eng. Sum. July 1975

039515 41.8 V6426
Insect mycoses and their importance in the [biological] control of biting flies [Livestock pests]. (Rus) Alekseev, A A *Veterinariia (Mosk)* 9: 38-41. Sept 1975

039516 41.8 V6426
The camel botfly [Cephalopina titilator] and measures for its control. (Rus) Kunichkin, G I *Veterinariia (Mosk)* 9: 77-79. Sept 1975

039517 442.8 Z33F
Electron microscope studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844). (Ger) Mehlhorn, H; Weber, G; Schein, E; Buscher, G *Z Parasitenkd* 48 (2): 137-150. Ref. Eng. Sum. 1975

039518 442.8 Z33F
Studies on the feeding of larval Argas persicus Oken [Chickens, pests]. *Z Parasitenkd* 48 (1): 65-71. Ref. 1975

039519 410 R92
Gamasid mites ectoparasites of small mammals in Iran. (Rus) Zemskaia, A A; Neronov, V M; Farang-Azad, A *Zool Zh* 54 (11): 1602-1608. Map. Ref. Eng. Sum. Nov 1975

410 R92
New species of chiggers (Acariformes, Trombiculidae) from bats in Iran. (Rus) Kudriashova, N I *Zool Zh* 54 (10): 1562-1565. Eng. Sum. Oct 1975

PESTICIDES—GENERAL

039520 S760.A75A35
Recent advances in [pesticides] application techniques. Patel, S L *A M A (Agric Mech Asia)* 6 (2): 64-71, 82. Ref. Autumn 1975

039521 S16.H8A32
Investigations into the physiological, comulative and post-effect of pesticides in the seed production of peas. (Hun) Furedi, J; Badawi, M E *Agrar Tud Egy Kozl (Godollo)* P. 239-255. Ref. Eng. Sum. 1974

039522 1 AG84AH
Aerial application of agricultural chemicals. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 287, Rev., 25 P. Feb 1976

039523 385 AG89
The colorimetric method of determining the herbicide picloram [residues] in the soil. (Rus) Makeeva-Gur'ianova, L T; Spiridonov, IU IA; Klimenko, A A *Agrokhimiia* 8: 142-147. Ref. Aug 1975

039524 385 AG89
The dynamics of the content of atrazine in washing waters as related to the levels of the herbicide and of the mineral fertilizers with lime applied previously [Maize]. (Rus) Ladonin, V F; TSimbalist, N I *Agrokhimiia* 8: 111-115. Ref. Aug 1975

039525 105.4 P435
Herbicides and fauna. III. Effects of herbicides on the embryonal and post embryonal development of Bufo vulgaris L. and enzymatic modifications in the larvae [Toxicity]. (Ita) Costantini, F; Panella, F *Ann Perugia Univ Fac Agrar* 29: 419-440. Ref. Eng. Sum. 1974

039526 105.4 P435
Persistence of AG chlordane in soil and its presence in plants. II. [Alfalfa]. (Ita) Tafuri, F; Businelli, M; Scarponi, L; Marucchini, C *Ann Perugia Univ Fac Agrar* 29: 217-227. Ref. Eng. Sum. 1974

039527 421 AN72
Photochemistry of bioactive compounds: a review of pesticide photochemistry. Zabik, M J; Leavitt, R A; Su, G C C *Annu Rev Entomol* 21: 61-79. Ref. 1976

039528 421 AN72
The economics of improving pesticide use. Norgaard, R B *Annu Rev Entomol* 21: 45-60. Ref. 1976

039529 421 B65
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. Eto, M; Hashimoto, Y; Ozaki, K; Kassai, T; Sasaki, Y *Botyu Kagaku* 40 (3): 110-117. Ref. Aug 1975

039530 512 W262
The influence of pesticides on the oxygen uptake by miracidia of Fasciola hepatica (Trematoda) [Liver fluke]. Boniecka, B; Guttowa, A *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 463-467. Ref. 1975

039531 TS2120.B8
Assessment of storage losses, quality and pesticidal contamination in wheat available in the markets of western Uttar Pradesh, Punjam and Haryana. 5. Girish, G K; Jain, S K; Kumar, A; Agrawal, N S *Bull Grain Technol* 13 (1): 8-18. Apr 1975

039532 TS2120.B8
Determination of residues of BHC [bensene heychloride] components in different tissues of albino rats. Pramila Rao, P; Jayaram, M; Visweswariah, K; Majumder, S K *Bull Grain Technol* 13 (1): 19-22. Apr 1975

039533 444.8 C16
Effect of dietary dieldrin on the liver and drug metabolism in the female Swiss-Vancouver mouse. Virgo, B B; Bellward, G D *Can J Physiol Pharmacol* 53 (5): 903-911. Ref. Oct 1975

039534 475 SCI23
Residues of certain systemic insecticides in sweetpotato tubers [Cylas formicarius]. Rajukkannu, K; Raguraj, R; Muthuswamy, P; Krishnamoorthy, K K *Curr Sci* 45 (1): 35. Jan 5, 1976

S13.B82
Effect of experimental Neguvon intoxication on iron, copperand 14 C [carbon isotope] glycine content in the blood of poultry. (Fre) Lazarov, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 127-131. Ref. 1975

S13.B82
Physiopathological effect of Neguvon intoxication of poultry. (Fre) Lazarov, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 101-104. Ref. 1975

039535 512 W263
Changes in the composition of an agrocenose as assessed twenty-two years after treatment with excessive amounts of Verindal F (Streumittel) [Benzene hexachloride]. Borowiec, S; Gladoch, M; Honczarenko, J; Kwarta, H; Zembrzuska, D *Ekol Pol* 23 (1): 3-18. 1975

TD172.E55
Ecological toxicology research. Effects of heavy metal and organohalogen compounds, proceedings of a NATO science committee conference. McIntyre, A D; Mills, C F; NATO Science Committee Conference on Eco-Toxicology, Mo; Unt Gabriel, Quebec, 1974 *Environ Sci Res* 7, 323 P. Ref. 1975

039536 TD172.E55
Reactive metabolites of organohalogen compounds. Gillette, J R *Environ Sci Res* 7: 107-122. 1975

039537 TD172.E55
Species variation in the metabolism of some organic halogen compounds [Organochlorine pesticides]. Williams, R T; Hirom, P C; Renwick, A G *Environ Sci Res* 7: 91-106. Ref. 1975

039538 S583.F3
Marketers will "hold the line" on pricing [Pesticides]. *Farm Chem* 138 (12): 55, 58. Dec 1975

039539 S671.F4
Precautions to take when using treatment products [Pesticides]. (Fre) Bonderf,; Vallet, *Fermes Mod* 20: 47-51. Apr 1974

57.8 F4123
Effect of fertilisation on the degradation of dicrotophos, disulfoton and phorate in soil. Pandey, S Y; Agnihotri, N P *Fert News* 20 (11): 32-33. Nov 1975

039540 384 C422
Studies and considerations on the influence of insecticides on the process of autoxidation. VII. Infrared spectroscopic changes of lipids due to Autoxidatin and their evaluation. (Ger) Bencze, K *Fette Seifen Anstrichm* 77 (11): 441-444. Eng. Sum. Nov 1975

039541 280.38 F62
Are there residue problems with spices? (Ger) Gerhardt, U; Roth, B *Fleischwirtschaft* 55 (9): 1287-1290, 1293. Ref. Eng. Sum. Sept 1975

280.38 F62
Examination of slaughter swine for pesticide and arsenic residues. (Ger) Knoppler, H O; Donnerbauer, H J; Philipp, A *Fleischwirtschaft* 55 (10): 1460-1462. Ref. Eng. Sum. Oct 1975

QH431.A1G4
Comparative investigation of cytogenetic effect of certain organophosphorus pesticides [Mice]. (Rus) Kurinnyi, A I *Genetika* 11 (12): 64-69. Ref. Eng. Sum. 1975

039542 298.8 G33
[Pesticide] residues in milled products of durum wheat. (Ger) Hertel, W *Getreide Mehl Brot* 29 (7): 182-185. July 1975

039543 S19.G74
Pesticides and requirements of institutional finance [India]. Vevai, E J *Green Revolution* P. 72-74. 1974

039544 SB476.G7
GM [ground maintenance] guide to systemic pesticides [for protection of ornamental trees]. Baumgardt, J P *Grounds Maint* 10 (11): 26, 28, 30. Nov 1975

039545 RA565.M3
Health effects from organophosphate pesticides. Milby, T H *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 558-567. Ref. 1974

039546 RA565.M3
The chronic toxicity of organochlorine pesticides in man. Deichmann, W B *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 568-642. Ref. 1974

039547 SB951.S8
Comparative biotransformation as a forecaster of the ecological consequences of selective insecticides. Nakatsugawa, T; Stewart, R *In Pesticide Selectivity. J. C. Street, ed.* P. 135-153. Ref. 1975

039548 SB951.S8
Target specific pesticides: an industrial case history. Kohn, G K *In Pesticide Selectivity. J. C. Street, ed.* P. 113-133. Ref. 1975

039549 QR111.S67
Microbial degradation of plant protection chemicals [Pesticides, herbicides, fungicides]. Walker, N *In Soil Microbiology. N. Walker, ed.* P. 181-192. Ref. 1975

039550 448.8 IN22
Hepatic drug metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). Makhija, S J; Pawar, S S *Indian J Med Res* 63 (10): 1402-1407. Ref. Oct 1975

039551 65.8 IN26
Effect of agallol and telodrine on germination, telerering and yield of different varieties of sugarcane in UDIC soils of Jamuna Nagar. Singh, J P; Srivastava, U P; Babu, C N *Indian Sugar* 25 (5): 443-446, 449-450. Ref. Aug 1975

039552 65.8 IN26
Effect of soil applied pesticides on nitrogen nutrition and yield of sugarcane. Kanwar, R S *Indian Sugar* 25 (5): 373-380, 383-386. Aug 1975

039553 464.8 IN3
"Security times" [residue] research of some pesticides usedon strawberry. (Ita) Pancaldi, D; Vismara, C; Lugaresi, C *Inf Fitopatol* 25 (7): 15-20. Eng. Sum. July 1975

039554 QD1.I86
Radioisotopes in pesticide research. VI. Review papers, general methods of analysis, insecticides. (Ger) Dedek, W *Isotopenpraxis* 11 (11): 378-385. Ref. Eng. Sum. Nov 1975

039555 381 J8223
Behavior and fate of ethylenethiourea in plants [Dithiocarbamate fungicides, residues, vegetables]. Hoagland, R E; Frear, D S *J Agric Food Chem* 24 (1): 129-133. Ref. Jan/Feb 1976

039556 381 J8223
Carbamate poisoning: Effect of certain carbamate pesticideson esterase levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). Bunyan, P J; Jennings, D M *J Agric Food Chem* 24 (1): 136-143. Ref. Jan/Feb 1976

039557 381 J8223
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by microorganisms [Environmental contamination]. Juengst, F J Jr; Alexander, M *J Agric Food Chem* 24 (1): 111-115. Ref. Jan/Feb 1976

039558 381 J8223
Detection of triazine herbicides and their degradation products in tile-drain water from fields under intensive corn (maize) production. Muir, D C; Baker, B E *J Agric Food Chem* 24 (1): 122-125. Ref. Jan/Feb 1976

039559 381 J8223
Hydrolysis of a chloro-s-triazine herbicide [Degradation]. Skipper, H D; Volk, V V; Frech, R *J Agric Food Chem* 24 (1): 126-129. Ref. Jan/Feb 1976

039560 381 J8223
Hydrolyzable and nonhydrolyzable 3,4-dichloroaniline-humus complexes and their respective rates of biodegradation [Phenylamide herbicides, residues in soils]. Hsu, T S; Bartha, R *J Agric Food Chem* 24 (1): 118-122. Ref. Jan/Feb 1976

039561 381 J8223
Irradiation studies of mallard duck eggs material containing the insecticide] mirex [Degradation]. Lane, R H; Grodner, R M; Graves, J L *J Agric Food Chem* 24 (1): 192-193. Jan/Feb 1976

039562 381 J8223
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. Ivie, G W; Bull, D L; Witzel, D A *J Agric Food Chem* 24 (1): 147-151. Jan/Feb 1976

039563 381 J8223
Metabolism of aldicarb by five soil fungi [Degradation]. Jones, A S *J Agric Food Chem* 24 (1): 115-117. Ref. Jan/Feb 1976

039564 381 J8223
Metabolism of O-ethyl O-[4-(methylthio)-phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. Bull, D L; Ivie, G W *J Agric Food Chem* 24 (1): 143-146. Jan/Feb 1976

039565 381 J8223
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the rat [Residues, formamidine acaricide-insecticide, toxicity]. Benezet, H J; Knowles, C O *J Agric Food Chem* 24 (1): 152-154. Ref. Jan/Feb 1976

039566 49 J82
DDT analog depletion patterns in steers [Gin trash, residues]. Martin, W L; Rogers, R W; Essig, H W; Pund, W A *J Anim Sci* 42 (1): 196-200. Ref. Jan 1976

039567 424.8 J82
Residues of the insecticides carbaryl and monocrotophos in honeybee [Apis mellifera] colonies. Stanger, W; Winterlin, W *J Apic Res* 14 (3/4): 131-135. Ref. 1975

039568 410 J828
DDE [dichlorodiphenyl dichloroethylene]-induced eggshell-thinning in the American kestrel: a comparison of the field situation and laboratory results. Lincer, J L *J Appl Ecol* 12 (3): 781-793. Ref. Dec 1975

SB436.J6
Current status of pesticide legislation. Johns, H *J Arboric* 1 (12): 227-229. Dec 1975

039569 SB436.J6
Pesticide degradation [by soil microrganisms, especially the fungi and bacteria]. Vargas, J M Jr *J Arboric* 1 (12): 232-233. Dec 1975

039570 475 J824
Analysis of paraquat formulations by liquid chromatography [herbicide residues]. Kawano, Y; Audino, J; Edlund, M *J Chromatogr* 115 (1): 289-292. Ref. Dec 10, 1975

039571 475 J824
The analysis of paraquat [herbicide] in urine by high-speed liquid chromatography. Pryde, A; Darby, F J *J Chromatogr* 115 (1): 107-116. Ref. Dec 10, 1975

039572 QH540.J6
Influence of pesticides on denitrification in soil and with an isolated bacterium. Bollag, J M; Henninger, N M *J Environ Qual* 5 (1): 15-18. Jan/Mar1976

039573 QH540.J6
Movement of carbaryl through Congaree soil into ground water. LaFleur, K S *J Environ Qual* 5 (1): 91-92. Jan/Mar 1976

039574 442.9 C16J
Chlorinated hydrocarbons in cetaceans. Taruski, A G; Olney, C E; Winn, H E *J Fish Res Board Can* 32 (11): 2205-2209. Ref. Nov 1975

039575 442.9 C16J
Dieldrin in the diet of channel catfish (Ictalurus pnctatus): uptake and effect on growth. Argyle, R L *J Fish Res Board Can* 32 (11): 2197-2204. Nov 1975

039576 442.9 C16J
Presence and distribution of polychlorinated biphenyls (PCB) in arctic and subarctic marine food chains. Bowes, G W; Jonkel, C J *J Fish Res Board Can* 32 (11): 2111-2123. Ref. Nov 1975

039577 442.9 C16J
Sublethal effect of 5-chlorouracil on carp (Cyprinus carpio) larvae. Eyman, L D; Gehrs, C W; Beauchamp, J J *J Fish Res Board Can* 32 (11): 2227-2229. Nov 1975

039578 389.8 J823
A prelude to pesticide residues in different diagnostic situations. Vasuki, K; Ghai, O P *J Food Sci Tech* 12 (4): 203-204. Ref. July-/Aug 1975

389.8 J823
Estimation of dimethoate [pesticide residue] in foods. Chakaraborti, J; Mukherjee, G; Mukherjee, A K; Roy, B R *J Food Sci Tech* 12 (3): 146-148. Ref. May/June 1975

039579 396.9 P49
A new colorimetric method of determination of O,O-dimethyl 2,2-dichlorovinyl phosphate in insecticidal preparations. (Jpn) Ogata, H; Saito, E; Murata, H; Shibazaki, T; Inoue, T *J Pharm Soc Jap* 95 (12): 1483-1491. Eng. Sum. Dec 1975

039580 QH91.A1M35
Effect of environmental conditions on the degradation of DDT in model marine ecosystems. Juengst, F W; Alexander, M *Mar Biol* 33 (1): 1-6. Ref. 1975

039581 105.1 G344
The growth- and quality-increasing influence of pesticides on Azalea. (Dut) Heugens, A; Roos, A *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1385-1393. Eng. Sum. 1974

039582 472 N21
Enzymatic basis for DDE-induced eggshell thinning in a sensitive bird. Miller, D S; Kinter, W B; Peakall, D B *Nature* 259 (5539): 122-124. Ref. Jan 15, 1976

039583 10 OU8
Seminars on efficient and safe use of pesticides, and other pesticide work of the FAO [Food and Agricultural Organization] Industry Cooperative Programme. Slade, P *Outlook Agric* 8 (4): 178-183. 1975

039584 10 OU8
The persistence and toxicity of pesticides in relation to enzymic activity [in vertebrates and insects]. Walker, C H *Outlook Agric* 8 (4): 201-205. Ref. 1975

64.9 IN7
The residues of 2,4-dichlorophenoxyacetic acid and its mixtures in cereal plants. (Pol) Kostowska, B; Sadowski, J *Pamiet Pulawski* 62: 187-196. Eng. Sum. 1975

039585 20.5 P84
Pesticides and bees [Poisoning]. (Pol) Leski, R *Postepy Nauk Roln* 22 (1): 83-95. 1975

039586 21 R862
Research on pesticide residues resulting from a new method of their application for control of soil pests in maize stands. (Rum) Poliza, A; Paulian, F *Prod Veg Cereale Plante Teh* 26 (10): 25-28. Eng. Sum. Oct 1974

039587 TD420.A1P7
Monitoring pesticides by means of changes in electric potential caused by fish opercular rhythms. Morgan, W S G *Prog Water Technol* 7 (2): 33-40. Ref. 1975

039588 389.9 R314
Automation in the pesticide analytical laboratory. Ott, D E *Residue Rev* 55: 1-90. Ref. 1975

039589 389.9 R314
Gas chromatographic determination of residues of insecticidal carbamates. Magallona, E D *Residue Rev* 56: 1-77. Ref. 1975

039590 389.9 R314
Pesticides in air: sampling methods [Pollution]. Van Dyk, L P; Visweswariah, K *Residue Rev* 55: 91-134. Ref. 1975

039591 389.9 R314
Polychlorinated biphenyl residues in silos in the United States. Willett, L B; Hess, J F Jr *Residue Rev* 55: 135-147. Ref. 1975

039592 389.9 R314
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in public health and agriculture. Vettorazzi, G *Residue Rev* 56: 107-134. Ref. 1975

039593 470 SCI2
Sulfoxide reduction in relation to organophosphorus insecticide detoxification. DeBaun, J R; Nenn, J J *Science* 191 (4223): 187-188. Jan 16, 1976

039594 QH431.A1G43
Results of a cytogenetic investigation of workers exposed to the fungicide zineb. Pilinskaya, M A *Sov Genet* 10 (5): 668-672. Ref. May 1974 Transl. Nov 1975

039595 QD415.A1B58
Cumene hydroperoxide-mediated formation of inhibited complexes of methylenedioxyphenyl compounds with cytochrome P-450 [Insecticide synergists]. Elcombe, C R; Bridges, J; Nimmo-Smith, R H; Werringloer, J *Trans Biochem Soc* 3 (6): 967-970, Ref. 1975

039596 80 T817
Further determination concerning breakdown of PCNB [pentachloronitrobenzene] in head lettuce cultivated under glass. (Dut) Benoit, F *Tuinbouwberichten* 39 (6): 244-246. June 1975

41.8 V6426
Effect of [the acaricide] phthalophos on chicken embryos [Abnormalities]. (Rus) Kuul', A K *Veterinariia (Mosk)* 9: 104-106. Sept 1975

039597 95.8 V77
About the possiblity of penetration of some pesticides into grapes. (Rus) Nalbandian, R A *Vinodel Vinograd SSSR* 6: 42-43. 1975

039598 389.8 V89
Immunodepressant action of some pesticides with different conditions of animal feeding [Rats]. (Rus) Shtenberg, A I; Khovaeva, L A *Vopr Pitan* 5: 61-68. Ref. Eng. Sum. Sept/Oct 1975

039599 464.8 Z3
Phenylamide- and carbamate-interactions in soils. (Ger) Poschenrieder, G; Wallnofer, P; Beck, T *Z Pflanzenkr Pflanzenschutz* 82 (6/7): 398-405. Ref. Eng. Sum. 1975

039600 464.8 Z3
The maintenance of soil fertility and the use of pesticides. (Ger) Domsch, K H *Z Pflanzenkr Pflanzenschutz* 81 (11): 679-682. Eng. Sum. 1974

039601 389.78 Z3
The in-vivo-determination of total body fat with "DDE" (1,1-dichloro-2,2- bis (p-chlorophenyl)ethylene) [Chickens]. (Ger) Luhrs, F; Henkel, H *Z Tierphysiol Tierernahr Futtermittelkd* 36 (1): 38-47. Ref. Eng. Sum. Nov 1975

039602 410 R92
Consequences of using the pesticide affecting the reproductive function of mammals. (Rus) Krylova, T V; Shilova, S A; Krylov, D G; Denisova, A V; Smirnov, A A *Zool Zh* 54 (12): 1874-1879. Ref. Eng. Sum. Dec 1975

GENERAL ENTOMOLOGY

039603 434.8 AC1
The biology of ixodes (Ceratixodes) uriae White, 1852 in Newfoundland. Eveleigh, E S; Threlfall, W *Acarologia* 16 (4): 621-635. Map. Ref. Apr 1975

039604 420 C33
Adult dormancy in some species of the genus Noctua (Lepidoptera, Noctuidae) in Central Europe. Novak, I; Spitzer, K *Acta Entomol Bohemoslov* 72 (5): 215-221. Ref. 1975

039605 420 C33
An attempt at a zoocoenological evaluation of the synusies of the subfamily Sarcophaginae (Diptera) in three Moravian vegetation tiers. Povolny, D; Stanek, M *Acta Entomol Bohemoslov* 72 (5): 222-230. 1975

039606 420 C33
Cephalic and thoracic nerves of the castor silk moth Samia ricini (Lepidoptera, Saturniidae). Singh, Y N *Acta Entomol Bohemoslov* 72 (4): 221-227. Ref. 1975

039607 475 AC8
Lipase and unspecific esterase activity in the fat body of Aedes aegypti L. Geering, K *Acta Trop* 32 (3): 273-276. Ref. 1975

039608 448.8 AC8
The effect of various pattern of stimulation on the activity of the mechanoreceptors in Achet a domesticus L. Slowinski, S; Janiszewski, L; Jachimczak, D *Acta Vitaminol Enzymol* 26 (2): 131-137. Ref. 1975

039609 420 AD9
Development and physiology of the oocyte-nurse cell syncytium [Insects]. Telfer, W H *Adv Insect Physiol* 11: 223-316. Ref. 1975

039610 420 AD9
Major patterns of gene activity during development in holometabolous insects. Thomson, J A *Adv Insect Physiol* 11: 321-398. Ref. 1975

039611 420 AD9
Regulatory mechanisms in insect feeding. Browne, L B *Adv Insect Physiol* 11: 1-116. Ref. 1975

039612 420 AD9
The cytophysiology of insect blood. Crosley, A C *Adv Insect Physiol* 11: 117-221. Ref. 1975

039613 385 AG8B
Affinity chromatography of phenoloxidase in the larvae of housefly [Musca domestica]. Shimoda, T; Yonekura, M; Funatsu, M *Agric Biol Chem* 39 (12): 2423-2424. Dec 1975

QD421.A1A4
Miscellaneous alkaloids [Plants, insects]. Snieckus, V A *Alkaloids* 5: 265-290. Ref. 1975

QD421.A1A4
The pyrrolizidine alkaloids [Plants, butterflies]. Saxton, J E *Alkaloids* 5: 77-86. Ref. 1975

QD421.A1A4
The quinolizidine alkaloids [Plants, Coccinellidae]. Saxton, J E *Alkaloids* 5: 93-102. Ref. 1975

039614 QH431.A1A52
Changes of scale in the study of the evolution of the genetic variance through selection in Tribolium castaneum. Orozco, F *Ann Genet Sel Anim* 7 (2): 205-223. 1975

039615 448.3 AN75
Picornaviruses of laboratory and wild Drosophila melanogaster: Geographical distribution and serotypic composition. Plus, N; Croizier, G; Jousset, F X; David, J *Ann Inst Pasteur (Paris)* 126 A (1): 107-117. Ref. Jan 1975

039616 421 AN72
Adaptations of chironomids [Chironomidae] to intertidal environments [Geographical races and speciation]. Neumann, D *Annu Rev Entomol* 21: 387-414. Map. Ref. 1976

039617 421 AN72
Biology of Plecoptera. Hynes, H B N *Annu Rev Entomol* 21: 135-153. Ref. 1976

039618 421 AN72
Bionomics and management of Rhagoletis [Fruit pests]. Boller, E F; Prokopy, R J *Annu Rev Entomol* 21: 223-246. Ref. 1976

421 AN72
Bionomics of the anthonomine weevils [Anthonominae, pests of fruits]. Burke, H R *Annu Rev Entomol* 21: 283-303. Ref. 1976

039619 421 AN72
Insect seasonality: diapause maintenance, termination, and postdiapause development. Tauber, M J; Tauber, C A *Annu Rev Entomol* 21: 81-107. Ref. 1976

421 AN72
Phoresy among entomophagous insects [Biological control]. Clausen, C P *Annu Rev Entomol* 21: 343-368. Ref. 1976

039620 421 AN72
The Comstocks [John Henry and Anna Botsford Comstock] and Cornell: in the people's service [Entomologists]. Smith, E H *Annu Rev Entomol* 21: 1-25. Ref. 1976

039621 421 AN72
The role of male accessory glands in insect reproduction. Leopold, R A *Annu Rev Entomol* 21: 199-221. Ref. 1976

039622 421 AN9
Effect of photoperiod on emergence rhythm of adult Spodoptera littoralis Boisd. (Lepidoptera, Noctuidae). (Ger) Abou-Elela, R G; Zohdy, N Z M *Anz Schadlingskd Pflanzenschutz* 48 (10): 150-154. Ref. Eng. Sum. Oct 1975

039623 421 AN9
The significance of light trap results for field studies on Neuroptera. (Ger) Malicky, H *Anz Schadlingskd Pflanzenschutz* 48 (8): 120-124. Ref. Eng. Sum. Aug 1975

039624 SF521.A64
Study of Andrena carantonica behavior during blooming of Golden Delicious apple trees [Insects as pollinators]. (Fre) Chansigaud, J *Apidologie* 6 (4): 341-359. Ref. Eng. Sum. 1975

039625 444.8 AR21
Histological and cytological study of the tergal gland of Leucophaea maderea and its evolution during the sexual maturation of the male. (Fre) Porcheron, P *Arch Anat Microsc Morphol Exp* 64 (2): 157-181. Ref. Eng. Sum. Apr/June 1975

039626 410 AR28
Friedrich Lenz, September 14, 1889-September 7, 1972 [Entomologists]. (Ger) Utermohl, H *Arch Hydrobiol* 76 (3): 384-390. Ref. Nov 1975

039627 QL487.A8
Combat between males of Pogonortalis doclea (Diptera, Platystomatidae) and its relation to structural modification. McAlpine, D K *Aust Entomol Mag* 2 (5): 104-107. Oct 1975

039628 QL487.A8
Life history of Precis hedonia zelima (Fabricius) (Lepidoptera: Nymphalidae). Sankowsky, G *Aust Entomol Mag* 2 (5): 108-109. Oct 1975

039629 475 AU73
Isolation of s-butyl beta-D-glucopyranoside from Acripeza reticulata. Cable, J; Nocke, H *Aust J Chem* 28 (12): 2737-2739. Ref. Dec 1975

039630 410 AU73
Diapause in the Australian flesh fly Tricholioproctia impatiens (Diptera: Sarcophagidae). Roberts, B; Warren, M A *Aust J Zool* 23 (4): 563-567. Ref. Nov 1975

039631 410 AU73
Diapause in the Australian flesh fly Tricholioproctia impatiens (Diptera: Sarcophagidae). Roberts, B; Warren, M A *Aust J Zool* 23 (4): 563-567. Ref. Nov 1975

039632 410 AU73
Offshore migration and the collapse of outbreaks of the Australian plague locust (Chortoicetes terminifera Walk.) in southeast Australia. Farrow, R A *Aust J Zool* 23 (4): 569-595. Maps. Ref. Nov 1975

039633 410 AU73
Short-term change in a population of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae). Greenslade, P J M *Aust J Zool* 23 (4): 511-522. Ref. Nov 1975

039634 410 AU73
Short-term change in a population of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae). Greenslade, P J M *Aust J Zool* 23 (4): 511-522. Ref. Nov 1975

039635 410 AU73
The life system of Cardiaspina albitextura (Psyllidae), 1950-74. Clark, L R; Dallwitz, M J *Aust J Zool* 23 (4): 523-561. Ref. Nov 1975

039636 410 AU73
The life system of Cardiaspina albitextura (Psyllidae), 1950-74. Clark, L R; Dallwitz, M J *Aust J Zool* 23 (4): 523-561. Ref. Nov 1975

039637 QH301.C8
Possible formation and developme..: of spirochaete attachment sites found on the surface of symbiotic polymastigote flagellates of the termite Reticulitermes flavipes. Smith, H E; Buhse, H E Jr; Stamler, S J *Bio Systems* 7 (3/4): 374-379. Nov 1975

039638 QH301.C8
What moves chromosomes, microtubules or microfilaments? [Nephrotoma suturalis]. LaFountain, J R Jr *Bio Systems* 7 (3/4): 363-369. Ref. Nov 1975

039639 381 B522
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella. Properties and specificities of the enzymes of intermediate electrophoretic mobility. Ward, C W *Biochim Biophys Acta* 410 (2): 361-369. Ref. Dec 18, 1975

039640 381 B522
Cyclic guanosine 3',5'-monophosphate. High levels in the male accessory gland of Acheta domesticus and related crickets. Fallon, A M; Wyatt, G R *Biochim Biophys Acta* 411 (2): 173-185. Ref. Dec 5, 1975

039641 S900.B5
Estimating the abundance and diversity of butterflies. Owen, D F *Biol Conserv* 8 (3): 173-183. Nov 1975

039642 442.9 C14
Oosorption in insects. Bell, W J; Bohm, M K *Biol Rev* 50 (4): 373-396. Ref. Nov 1975

039643 442.8 B523
Locomotor activity and respiration of the 3rd instar of Calliphora erythrocephala (Diptera, Calliphoridae). (Ger) Grosse, W R *Biol Zentralbl* 94 (6): 717-730. Ref. Eng. Sum. Nov/Dec 1975

039644 442.8 B523
The influence of intracoelomal injections of solutions and suspensions on the phagocytosis with larvae of the wax moth, Galleria mellonella (L.). (Ger) Hanschke, R *Biol Zentralbl* 94 (6): 671-679. Ref. Eng. Sum. Nov/-Dec 1975

039645 20 ER4
A case of mass flight of Sehirus morio L. (Rus) Akramovskaia, E G *Biol Zh Arm* 28 (5): 86-87. May 1975

039646 436.9 C43
A histopathological study on necrotic arachnidism by Loxosceles laeta [Venom]. (Spa) Pizzi, T *Bol Chil Parasitol* 30 (1/2): 34-36. Ref. Eng. Sum. Jan/June 1975

039647 436.9 C43
In vitro activity of the venom and other components of Loxosceles laeta on human and animal erythrocytes. (Spa) Knierim, F; Letonja, T; Schenone, H *Bol Chil Parasitol* 30 (1/2): 43-46. Ref. Eng. Sum. Jan/June 1975

039648 436.9 C43
Some data on the venomous apparatus of Loxosceles laeta andtoxicity of its venom on diverse animal species. (Spa) Schenone, H; Letonja, T; Knierim, F *Bol Chil Parasitol* 30 (1/2): 37-42. Ref. Eng. Sum. Jan/June 1975

039649 421 B65
Preliminary report on the response of the efferent cells to ordor stimulation [Periplaneta americana]. Yamada, M *Botyu Kagaku* 40 (3): 94-96. Aug 1975

039650 473 B87
Analysis and control of the projection of ocellar information in the brain of cockroaches [Periplaneta americana, Blabera fusca]. (Fre) Brousse-Gaury, P *Bull Biol Fr Belg* 109 (2): 125-163. Ref. Eng. Sum. 1975

039651 423.9 EN8
Practical 35mm close-up photography in entomology. Carey, J R *Bull Entomol Soc Am* 21 (4): 235-240. Ref. Dec 1975

039652 423.9 EN8
Who designed the Schmitt Box? [Insect collections]. Gurney, A B; Mallis, A; Snetsinger, R *Bull Entomol Soc Am* 21 (4): 225-228. Ref. Dec 1975

039653 443.8 C16
Extra-large Tribolium confusum: a new autosomal recessive mutant. Vardell, H H; Brower, J H *Can J Genet Cytol* 17 (4): 609-613. Dec 1975

039654 443.8 C16
Genetic analysis of a population of Tribolium [castaneum]. V. Viability of the unsaturated fatty acid sensitive mutant. Scully, A M M; Costantino, R F *Can J Genet Cytol* 17 (4): 585-590. Dec 1975

039655 443.8 C16
Genetic studies on walking behavior in Drosophila melanogaster. I. Selection and hybridization analysis. Choo, J K *Can J Genet Cytol* 17 (4): 535-542. Ref. Dec 1975

039656 443.8 C16
The difference of pupa weight measurements in Tribolium andits effects on selection responses. Yamada, Y *Can J Genet Cytol* 17 (4): 601-607. Dec 1975

039657 470 C16D
A cytological study of two closely related blackfly species: Cnephia dacotensis and Cnephia ornithophilia (Diptera: Simuliidae). Procunier, W S *Can J Zool* 53 (11): 1622-1637. Plates. Ref. Nov 1975

039658 470 C16D
Acid and alkaline phosphatase activity in relation to egg-laying and aging in Callosobruchus analis (Fab.) (Coleoptera: Bruchidae). Dhand, R K; Rastogi, S C *Can J Zool* 53 (11): 1500-1504. Ref. Nov 1975

039659 470 C16D
B-chromosomes of Cnephia dacotensis and Cnephia ornithophilia (Diptera: Simuliidae). Procunier, W S *Can J Zool* 53 (11): 1638-1647. Plates. Ref. Nov 1975

039660 470 C16D
Effect of light-dark cycles on adult emergence in the aphid parasite Aphidius smithi. Mackauer, M; Henkelman, D H *Can J Zool* 53 (9): 1201-1206. Ref. Sept 1975

039661 470 C16D
Endocrine activity during caste differentiation in Zootermopsis angusticollis Hagen (Isoptera): a morphometric and autoradiographic study. Yin, C M; Gillott, C *Can J Zool* 53 (11): 1690-1700. Ref. Nov 1975

039662 470 C16D
Endocrine control of caste differentiation in Zootermopsis angusticollis Hagen (Isoptera). Yin, C M; Gillott, C *Can J Zool* 53 (11): 1701-1708. Ref. Nov 1975

039663 470 C16D
Osmoregulation in Trichocorixa verticalis interiores Sailer (Hemiptera, Corixidae)—an inhabitant of Saskatchewan saline lakes, Canada. Tones, P I; Hammer, U T *Can J Zool* 53 (9): 1207-1212. Ref. Sept 1975

039664 470 C16D
Photobehavioral differentiation within and between the sexes of Drosophila pseudoobscura. Rockwell, R F; Harmsen, R; Cooke, F; Grossfield, J *Can J Zool* 53 (10): 1395-1402. Ref. Oct 1975

039665 470 C16D
Predatory behavior of the zebra spider, Salticus scinicus (Araneae: Salticidae). Dill, L M *Can J Zool* 53 (9): 1284-1289. Ref. Sept 1975

039666 470 C16D
Studies on the bionomics of mermithid [Neomesomermis flumenalis]. Ebsary, B A; Bennett, G F *Can J Zool* 53 (9): 1324-1931. Ref. Sept 1975

039667 470 C16D
The Rhodnius testis: hormones, differentiation of the germ cells, and duration of the molting cycle. Dumser, J B; Davey, K G *Can J Zool* 53 (11): 1673-1681. Ref. Nov 1975

039668 470 C16D
The Rhodnius testis: hormonal effects on germ cell division. Dumser, J B; Davey, K G *Can J Zool* 53 (11): 1682-1689. Ref. Nov 1975

039669 470 C16D
Ultraviolet-induced changes in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). Gingrich, J B *Can J Zool* 53 (9): 1238-1240. Sept 1975

039670 442.8 C25
The salivary gland chromosomes of Telmatoscopus albipunctatus (Williston) (Diptera: Psychodidae). Troiano, G *Caryologia* 28 (3): 321-333. Ref. July/Sept 1975

039671 QH573.C42
Effect of heat shock on the synthesis of low molecular weight RNAs in Drosophila: accumulation of a novel form of 5S RNA. Rubin, G M; Hogness, D S *Cell Mass Inst Technol* 6 (2): 207-213. Ref. Oct 1975

039672 QH581.A1Z4
The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. Koefoed, B M *Cell Tissue Res* 165 (1): 63-78. 1975

039673 QH581.A1Z4
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the cockroach [Periplaneta americana] maxillary palp as revealed by freeze fracturing. Altner, H *Cell Tissue Res* 165 (1): 79-88. Ref. 1975

039674 QH581.A1Z4
Ultrastructure of the compound eye of the diploid female beetle, Xyleborus ferrugineus. Chu, H; Norris, D M; Carlson, S D *Cell Tissue Res* 165 (1): 23-36. Plates. 1975

039675 382 C4223
Biosynthesis of firefly [Luciola cruciata] luciferin. Probable formation of benzothiazole from p-benzoquinone and cysteine. Okada, K; Iio, H; Goto, T *Chem Commun* 1: 32. Jan 7, 1976

039676 442.8 C46
Chromosome distribution in neuroblast metaphase cells of Locusta migratoria L. Fox, D P; Mello-Sampayo, T; Carter, K C *Chromosoma* 53 (4): 321-333. Ref. 1975

039677 442.8 C46
Puffing patterns during the fourth larval instar in Chironomus pallidivittatus salivary glands. Coleman, O D; Stockert, J C *Chromosoma* 53 (4): 381-392. Ref. 1975

039678 442.8 C46
The cytogenetic structure of Tasmanian populations of Phaulacridium vittatum. John, B; Freeman, M *Chromosoma* 53 (4): 283-293. Map. 1975

039679 442.8 C46
Visualization of gene transcription in spermatocytes of Drosophila hydei. Glatzer, K H *Chromosoma* 53 (4): 371-379. Ref. 1975

039680 QP1.C6
Estimation of glucose in the haemolymph of the American cockroach, Periplaneta americana. Morrison, P E *Comp Biochem & Physiol A, Comp Physiol* 53 (2): 165-168. Ref. 1976

039681 QP1.C6
The amino acid requirements for larval development of the hymenopterous parasitoid Exeristes roborator Fabricius (Hymenoptera: Ichneumonidae). Thompson, S N *Comp Biochem & Physiol A, Comp Physiol* 53 (2): 211-213. 1976

039682 QP1.C6
The water content of muscle and cuticle of the woodlouse Oniscus asellus in conditions of hydration and desiccation. Mayes, K R; Holdich, D M *Comp Biochem & Physiol A, Comp Physiol* 53 (3): 253-258. Ref. 1976

039683 QP501.C6
Haemolymph proteins in Porcellio laevis Latreille (Porcellionidae, Isooda): the molecular weight. Alikhan, M A; Lysenko, O *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 511-514. Ref. Dec 15, 1975

039684 QP501.C6
Influence of Na+, K+, Mg2+ [sodium. Potassium, magnesuim ions] and cooling on proteosynthesis in hemocytes of Galleria mellonella. Marek, M; Kroeger, H *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 45-47. Ref. 1976

039685 QP501.C6
The comparative biochemistry of invertebrate mucopolysaccharides. V. Insecta (Calliphora erythrocephala). Hoglund, L *Comp Biochem & Physiol B, Comp Biochem* 53 (1): 9-14. Ref. 1976

039686 QP501.C6
The effects of allatectomy on the lipid composition of the fat body and haemolymph of adult Locusta [migratoria migratorioides]. Bailey, E; Horne, J A; Izatt, M E G; Hill, L *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 525-528. Ref. Dec 15, 1975

QP501.C6
Trehalose and glucose levels in the hemolymph of Heliothis virescens parasitized by Microplitis croceipes or Cardiochiles nigriceps. Dahlman, D L; Vinson, S B *Comp Biochem & Physiol B, Comp Biochem* 52 (4): 465-468. Ref. Dec 15, 1975

039687 475 SCI23
The natural occurrence of Bipolaris tetramera on termites. Singh, G P; Srivastava, R K; Singh, C B; Khare, K B *Curr Sci* 45 (1): 36. Jan 5, 1976

039688 QH573.C9
The timing of pre-meiotic chromosome pairing and duplication in Glossina morsitans morsitans assessed by radiation induced mutations. Southern, D I; Pell, P E; Langley, P A *Cytobios* 12 (47/48): 179-189. Ref. 1975

039689 442.8 D49
Fate mapping of nervous systems and other internal tissues in genetic mosaics of Drosophila melanogaster. Kankel, D R; Hall, J C *Dev Biol* 48 (1): 1-24. Ref. Jan 1976

039690 58.8 T677
Construction of a herringbone milking shed. (Ger) Boxberger, J; Schon, H; Weber, W *DLZ (Die Landtech Z)* 26 (12): 829-832. Dec 1975

039691 511 P444A
A study of similar species of aphids with different karyotypes by the method of DNA cytophotometry [Anuraphis farfarae, Anuraphis subterranea]. (Rus) Kuznetsova, V G *Dokl Akad Nauk SSSR* 224 (2): 457-459. 1975

039692 511 P444A
Correlation of differential staining of chromosome locus and its genetic activity [Drosophila melanogaster]. (Rus) Levina, L IA *Dokl Akad Nauk SSSR* 225 (2): 433-435. Ref. 1975

039693 511 P444A
Electrophoretic analysis of proteins of salivary glands and fat body in the development of Drosophila melanogaster. (Rus) Kolesnikov, N N; Slobodianiuk, S IA; Berdnikov, V A; Kiknadze, I I *Dokl Akad Nauk SSSR* 225 (1): 201-204. Ref. 1975

039694 511 P444A
Hormonal induction of acid phosphatase activity in salivary glands of larvae of Drosophila melanogaster during metamorphosis. (Rus) Aizenzon, M G; Korochkin, L I; Zhimulev, I F *Dokl Akad Nauk SSSR* 225 (4): 951-954. Ref. 1975

039695 511 P444A
Relict elements in the fauna of oribatoid mites of Siberia. (Rus) Krivolutskii, D A; Riabinin, N A *Dokl Akad Nauk SSSR* 224 (5): 1226-1229. 1975

039696 511 P444A
The relationship between the distribution of spider and vegetation cover in the middle taiga of the Ural region. (Rus) Vasilevich, V I; Pakhorukov, N M *Dokl Akad Nauk SSSR* 224 (2): 460-463. 1975

039697 512 W263
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. I. The species composition and variation of flights. Anasiewicz, A *Ekol Pol* 23 (1): 129-146. Ref. 1975

039698 512 W263
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. Anasiewicz, A *Ekol Pol* 23 (1): 147-162. Ref. 1975

039699 421 EN86
A method for culturing root aphids [Eriosoma patchae, Eriosoma ulmi, Senecio, currants and gooseberries]. Parker, N J B *Entomol Mon Mag* 110 (1325/1327): 229-231. Oct/Dec 1974 (Pub. 1975)

039700 421 EN86
An assemblage of uropodid mites on a wasp's [Rhagium inquisior] nest. Shaw, M W *Entomol Mon Mag* 110 (1325/1327): 256. Oct/Dec 1974 (Pub. 1975)

039701 421 EN86
Bibio marci L. (Diptera, Bibionidae) bred from a rottin stump. Allen, A A *Entomol Mon Mag* 110 (1325/1327): 228. Oct/Dec 1974 (Pub. 1975)

039702 421 EN86
Genital abnormalities in adult Cicadellidae (Homoptera). Kathirithamby, J *Entomol Mon Mag* 110 (1325/1327): 193-201. Ref. Oct/Dec 1974 (Pub. 1975)

039703 421 EN86
Melinda caerulea Mg. (Diptera, Calliphoridae) in rotten wood. Allen, A A *Entomol Mon Mag* 110 (1325/1327): 228. Oct/Dec 1974 (Pub. 1975)

039704 421 EN86
Obituary: Harrold W. Forster, 1909-1974 [Entomologists]. Mackechnie-Jarvis, C *Entomol Mon Mag* 110 (1325/1327): 255. Oct/Dec 1974 (Pub. 1975)

039705 421 EN86
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. Kirk, A A *Entomol Mon Mag* 110 (1325/1327): 215-221. Ref. Oct/Dec 1974 (Pub. 1975)

039706 421 EN88
A study of grasshopper species composition in primary and secondary growth [of tropical forests] in Costa Rica. Brodey, K *Entomol News* 86 (9/10): 207-211. Nov/Dec 1975

039707 421 EN88
An anomaly in the wing of Bombylius erectus Brunetti (Diptera: Bombyliidae). Kapoor, V C *Entomol News* 86 (9/10): 212. Nov/Dec 1975

039708 421 EN88
Calling chirps in Tropisternus natator (D'Orchymont) and Tropistermus lateralis nimbatus (Say) (Coleoptera: Hydrophilidae). Ryker, L C *Entomol News* 86 (9/10): 179-186. Ref. Nov/Dec 1975

039709 421 EN88
Seasonal distribution of Protura in three Delaware forests [Eosentomon vermiform, Acerella]. Walker, G L; Rust, R W *Entomol News* 86 (9/10): 187-198. Ref. Nov/Dec 1975

039710 421 EN88
Spring behavior of Polistes exclamans (Hymenoptera: Vespidae: Polistinae). Hermann, H R; Barron, R; Dalton, L *Entomol News* 86 (9/10): 173-178. Ref. Nov/Dec 1975

039711 421 R322
Anatomy and histology of the nervous system of Ephemera vulgata L (Ephemeroptera). (Rus) Baziukina, M A; Brodskii, A K *Entomol Obozr* 54 (4): 743-749. Eng. Sum. 1975

039712 421 R322
In memory of A. L. Kurentzov (1896-1975) [Entomologists]. (Rus) Krivolutskaia, G O *Entomol Obozr* 54 (4): 926-935. Ref. 1975

039713 421 R322
Intraspecific variability of reactions controlling the larval diapause in Calliphora vicina (Diptera, Calliphoridae). (Rus) Vinogardova, E B *Entomol Obozr* 54 (4): 720-735. Ref. Eng. Sum. 1975

039714 421 R322
Materials on the biology of xylophile staphylinids (Coleoptera, Staphylinidae) from the southern part of Maritime Territory [USSR]. (Rus) Pototskaia, V A *Entomol Obozr* 54 (4): 760-764. Eng. Sum. 1975

039715 421 R322
Morphological and biological adaptations of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. (Rus) Vu Quang Kon,; Sugoniaev, E S *Entomol Obozr* 54 (4): 705-719. Ref. Eng. Sum. 1975

039716 421 R322
New data on the biology of Psylla pyrisuga Forst. (Homoptera, Psylloidea) from the Crimea. (Rus) Lazarev, M A *Entomol Obozr* 54 (4): 758-759. 1975

039717 421 R322
On the ecology of caddisflies (Trichoptera) from mountain streams of southern Tien-Shan (The fauna of the Ak-Bura river). (Rus) Omorov, E O *Entomol Obozr* 54 (4): 773-779. Ref. Eng. Sum. 1975

039718 421 R322
On the microflora of Laspeyresia pomonella L. (Lepidoptera Tortricidae). II. Fungi. (Rus) Pristavko, V P; Rozhkova, L A; lAnishevskaia, L V *Entomol Obozr* 54 (4): 750-757. Ref. Eng. Sum. 1975

039719 421 R322
The effect of the light regime upon the Accumulation of phospyhorus combinations in pupae of Heliothis armigera Hb. (Lepidoptera, Noctuidae). (Rus) Bykova, E P *Entomol Obozr* 54 (4): 736-742. Ref. Eng. Sum. 1975

039720 421 EN89
"Layd" Glanville revisited [Entomologists]. Wilkinson, R S *Entomol Rec J Var* 87 (11/12): 298. Nov/Dec 1975

039721 421 EN89
Notes on breeding aberrations of the Chalk Hill Blue: Lysandra coridon (Poda). Revels, R *Entomol Rec J Var* 87 (11/12): 281-283. Nov/Dec 1975

039722 421 EN89
Notes on breeding the ringlet: Aphantopus hyperantus (Linn.) ab. pallens Schultz and ab. lanceolata Shipp. Revels, R *Entomol Rec J Var* 87 (11/12): 283-285. Nov/Dec 1975

039723 421 EN89
West Sussex to Wester Ross in 1974 [Insects collecting]. Radford, T J *Entomol Rec J Var* 87 (11/12): 294-297. (Concluded) Nov/Dec 1975

039724 421 R322AE
A study of the photoperiodic reaction in the ant Myrmica rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. Kipyatkov, V YE *Entomol Rev* 53 (3): 35-41. Ref. July/Sept 1974 Trans 1975

039725 421 R322AE
Preimaginal morphology of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. (Diptera, Tabanidae). Terteryan, A YE *Entomol Rev* 53 (3): 42-51. Ref. July/Sept 1974 Trans 1975

039726 421 R322AE
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. Geyspits, K F; Glinyanaya, YE I; Sapozhnikova, F D *Entomol Rev* 53 (3): 27-34. Ref. July/Sept 1974 Trans 1975

039727 421 EN85
Entomological impressions from Ladakh (Northwest India). (Ger) Muting, D; Muting, E *Entomol Z* 86 (3): 17-24. Feb 1, 1976

039728 421 EN85
Prof. Dr. Karl Eidel [Entomologists]. (Ger) Tobias, W; Dohler, W *Entomol Z* 86 (1/2): 13-15. Jan 15, 1976

039729 443.8 EV62
Chiasma frequency and adaptability in locusts. Dearn, J M *Evolution* 29 (3): 572-574. Ref. Sept 1975

039730 443.8 EV62
Hard and soft selection revisited [Drosophila]. Wallace, B *Evolution* 29 (3): 465-473. Ref. Sept 1975

039731 443.8 EV62
High frequency of one element of segregation distorter in natural populations of Drosophila melanogaster. Hartl, D L; Hartung, N *Evolution* 29 (3): 512-518. Ref. Sept 1975

039732 443.8 EV62
Selection for mating activity in two chromosomal arrangements of Drosophila pseudoobscura. Sherwin, R N *Evolution* 29 (3): 519-530. Ref. Sept 1975

039733 443.8 EV62
Semispecies of Drosophila athabasca distinguishable by malecourtship sounds. Miller, D D; Goldstein, R B; Patty, R A *Evolution* 29 (3): 531-544. Ref. Sept 1975

039734 443.8 EV62
Sexual drive of normal and SR flies of Drosophila nebulosa. Malogolowkin-Cohen, C; Rodrigues-Pereira, M A Q *Evolution* 29 (3): 579-580. Sept 1975

039735 442.8 EX7
The autonomous function of germ plasm in a somatic region of the Drosophila [melanogaster] egg. Illmensee, K; Mahowald, A P *Exp Cell Res* 97 (1): 127-140. Ref. Jan 1976

039736 QP86.E85
Ambient temperature, physical activity and aging in the housefly, Musca domestica. Ragland, S S; Sohal, R S *Exp Gerontol* 10 (5): 279-289. Ref. 1975

039737 475 EX7
Cytogenetic observations in Ceratitis capitata. Southern, D I *Experientia* 32 (1): 20-22. Jan 15, 1976

039738 475 EX7
Ethanol as a 'food' for Drosophila melanogaster: influence of the ebony gene. Libion-Mannaert, M; Delcour, J; Deltombe-Lietaert, M C; Lenelle-Montfort, N *Experientia* 32 (1): 22-24. Ref. Jan 15, 1976

039739 475 EX7
Gene amplification in oocytes of the rove beetle Creophilusmaxillosus (Staphylinidae, Coleoptera-Polyphaga). Matuszewski, B; Kloc, M *Experientia* 32 (1): 34-36. Ref. Jan 15, 1976

039740 475 EX7
Histopathological effect of thiourea on the ovarian tissues of Sarcophaga ruficornis (Fabr.). Chaudhry, H S; Tripathi, C P M *Experientia* 32 (1): 103-105. Jan 15, 1976

039741 475 EX7
Influence of social experience on sexual readiness of male house crickets, Acheta domestica. Gona, O *Experientia* 32 (1): 44-45. Jan 15, 1976

039742 475 EX7
The role of zinc in the activation of the enzyme cellulase in termites [Microtermes tragardhi]. Abushama, F T; Kambal, M A *Experientia* 32 (1): 19-20. Jan 15, 1976

039743 QD415.F4
Radioimmunoassay of arthropod moulting hormone: beta-ecdysone antibodies production and 125I [iodine isotope]-iodinated-tracer preparation. Porcheron, P; Fourcier, J; Gros, C; Pradelles, P; Cassier, P; Dray, F *FEBS Lett (Fed Eur Biochem Soc)* 61 (2): 159-162. Ref. Jan 15, 1976

039744 442.8 F712
The influence of calf thymus DNA and deoxyribonucleosides on the induction of different mutation types in Drosophila. Ondrej, M *Folia Biol (Praha)* 21 (4): 256-262. Ref. 1975

039745 QH96.F6
Downstream drift of invertebrates in a river in southern Ghana [Aquatic insects]. Hynes, J D *Freshwater Biol* 5 (6): 515-531. Ref. Dec 1975

039746 QH96.F6
Laboratory experiments on factors affecting the activity of Gammarus pseudolimnaeus Bousfield. Wallace, R R; Hynes, H B N; Kaushik, N K *Freshwater Biol* 5 (6): 533-546. Ref. Dec 1975

039747 442.8 G28
Cold-sensitive mutants of Drosophila melanogaster defectivein ribosome assembly. Falke, E V; Wright, T R F *Genetics* 81 (4): 655-682. Ref. Dec 1975

039748 442.8 G28
Evolution of experimental "mutator" populations of Drosophila melanogaster. Benado, M B; Ayala, F J; Green, M M *Genetics* 82 (1): 43-52. Ref. Jan 1976

039749 442.8 G28
Genetic analysis of the proximal region of chromosome 2 of Drosophila melanogaster. I. Detachment products of compound autosomes. Hilliker, A J; Holm, D G *Genetics* 81 (4): 705-721. Ref. Dec 1975

039750 442.8 G28
Isolation and characterization of sex-linked female-sterile mutants in Drosophila melanogaster. Gans, M; Audit, C; Masson, M *Genetics* 81 (4): 683-704. Ref. Dec 1975

039751 442.8 G28
Polymorphism for dimerizing ability at the esterase-5 locus in Drosophila pseudoobscura. Cobbs, G *Genetics* 82 (1): 53-62. Ref. Jan 1976

039752 442.8 G28
Population differentiation under the charge state model [Drosophila willistoni]. Brown, A H D; Marshall, D R; Weir, B S *Genetics* 81 (4): 739-748. Ref. Dec 1975

039753 442.8 G28
The genetic variability of third chromosomes in a local population of Drosophila melanogaster. Watanabe, T K; Yamaguchi, O; Mukai, T *Genetics* 82 (1): 63-82. Ref. Jan 1976

039754 442.8 G28
The synthesis of 5S RNA and its relationship to 18S and 28S ribosomal RNA in the bobbed mutants of Drosophila melanogaster. Mohan, J *Genetics* 81 (4): 723-738. Ref. Dec 1975

039755 442.8 G28
Variations in the number of the Y chromosomal rRNA genes in Drosophila Hydei. Kunz, W; Schafer, U *Genetics* 82 (1): 25-34. Ref. Jan 1976

039756 QH431.A1G4
Association of telomeric regions of salivary gland chromosomes in "virilis" species of Drosophila. (Rus) Poluektova, E V *Genetika* 11 (9): 54-65. Ref. Eng. Sum. 1975

039757 QH431.A1G4
Comparative study of asynapsis of larvae salivary gland polytene chromosomes of Drosophila melanogaster, Drosophila simulans and their hybrids. (Rus) Polianskaia, G G *Genetika* 11 (9): 46-53. Ref. Eng. Sum. 1975

039758 QH431.A1G4
Effect of temperature and density of the larval population on the mutation penetrance in Drosophila virilis. (Rus) Mitrofanov, V G; Brodskaia, T V *Genetika* 11 (10): 39-42. Eng. Sum. 1975

039759 QH431.A1G4
Effect of temperature on the expression of homoeotic mutations in Drosophila. I. Homoeotic transformation in proboscipedia mutants. (Rus) Kaurov, B A; Ivanov, V I; Mglinets, V A *Genetika* 11 (9): 91-97. Eng. Sum. 1975

039760 QH431.A1G4
Genetic analysis of maternal effect on the "puffed" mutant character in female Drosophila virilis Sturt. X male Drosophila littoralis Sokolov hybrids. (Rus) Mitrofanov, V G *Genetika* 11 (10): 43-46. Eng. Sum. 1975

039761 QH431.A1G4
Genetic effects of Drosophila [melanogaster] exerted by factors of the cosmic flight in the space-ship "Cosmos 573". (Rus) Glembotskii, IA L; Vaulina, E N; Pal'mbakh, L R; Grozdova, T IA; Kholikova, T A; Mashinskii, A L; Chekunova, E V *Genetika* 11 (7): 70-77. Eng. Sum. July 1975

039762 QH431.A1G4
High frequency of spontaneous mutations, affecting viability in the chromosome II in LA strain of Drosophila melanogaster. (Rus) Gorbunova, V N; Kaidanov, L Z *Genetika* 11 (9): 71-83. Ref. Eng. Sum. 1975

039763 QH431.A1G4
Interaction of homoeotic mutations antennapedia and aristapdia in Drosophila melanogaster. (Rus) Bul'zhenkov, V E; Ginter, E K; Ivanov, V I *Genetika* 11 (11): 27-33. Eng. Sum. 1975

039764 QH431.A1G4
On the natural resistance of Drosophila melanogaster cells to 6-mercaptopurine and 8-azaguanine. (Rus) Moiseenko, E V; Kakpakov, V T *Genetika* 11 (11): 160-162. Eng. Sum. 1975

039765 QH431.A1G4
Scutellar bristles pattern in Drosophila melanogaster. (Rus) Mglinets, V A *Genetika* 11 (9): 84-90. Ref. Eng. Sum. 1975

039766 QH431.A1G4
Study of spontaneous oogonial crossing-over in interspecific Drosophila hybrids. (Rus) Evgen'ev, M B *Genetika* 11 (10): 47-50. Ref. Eng. Sum. 1975

039767 QH431.A1G4
The frequency of telomeric associations of salivary gland chromosomes in interspecific hybrids as an autonomous character [Drosophila]. (Rus) Poluektova, E V *Genetika* 11 (9): 66-70. Ref. Eng. Sum. 1975

039768 QH541.145.C6
The temporal component of butterfly species diversity. Shapiro, A M *In Ecology and Evolution of Communities. M. L. Cody & J. M. Diamond, eds.* P. 181-195. Ref. 1975

039769 QH541.145.C6
[Insect] prey characteristics and predator niche width [Insectivorous birds]. Hespenheide, H A *In Ecology and Evolution of Communities. M. L. Cody & J. M. Diamond, eds.* P. 158-180. Ref. 1975

039770 QL495.C26
Biochemistry of insect flight. 1. Utilization of fuels by muscle. Sacktor, B *In Insect Biochemistry and Function. D. J. Candy & B. A. Kilby, eds.* P. 1-88. Ref. 1975

039771 QL495.C26
Biochemitry of insect flight. 2. Fuel supply. Bailey, E *In Insect Biochemistry and Function. D. J. Candy & B. A. Kilby, eds.* P. 89-176. Ref. 1975

039772 QL495.C26
Excretion in insects. Cochran, D G *In Insect Biochemistry and Function. D. J. Candy & B. A. Kilby, eds.* P. 177-281. Ref. 1975

039773 QL495.C26
Synaptic transmission in insects. Lunt, G G *In Insect Biochemistry and Function. D. J. Candy & B. A. Kilby, eds.* P. 283-306. Ref. 1975

039774 QL494.T7
Axonal conduction in insects. Pichon, Y *In Insect Neurobiology. J. E. Treherne, ed.* P. 73-117. Ref. 1974

039775 QL494.T7
Nerve-muscle transmission [Insects]. Usherwood, P N R *In Insect Neurobiology. J. E. Treherne, ed.* 4: 245-305. Ref. 1974

039776 QL494.T7
Neurosecretion [Insects]. Maddrell, S H P *In Insect Neurobiology. J. E. Treherne, ed.* 4: 307-357. Ref. 1974

039777 QL494.T7
Synaptic transmission in the central nervous system of insects. Callec, J J *In Insect Neurobiology. J. E. Treherne, ed.* 4: 119-185. Ref. 1974

039778 QL494.T7
The environment and function of insect nerve cells. Treherne, J E *In Insect Neurobiology. J. E. Treherne, ed.* 4: 187-244. Ref. 1974

039779 QL494.T7
The neural basis of [insect] behaviour. Miller, P L *In Insect Neurobiology. J. E. Treherne, ed.* 4: 359-430. Ref. 1974

039780 QL494.T7
The organization of insect nervous systems. Lane, N J *In Insect Neurobiology. J. E. Treherne, ed.* P. 1-71. Ref. 1974

039781 QL461.S89
Insect communication—chemical. Roelofs, W L *In Insects, Science & Society Proceedings of a Symposium* P. 79-99. Ref. 1974 (Pub.1975)

039782 QL461.S89
Insect dispersal. Kennedy, J S *In Insects, Science & Society Proceedings of a Symposium* P. 103-119. Ref. 1974 (Pub.1975)

039783 QL461.S89
Insects and human welfare. McKelvey, J J Jr *In Insects, Science & Society Proceedings of a Symposium* P. 13-24. Ref. 1974 (Pub.1975)

039784 QL461.S89
Natural selection and specialized chorusing behavior in acoustical insects. Alexander, R D *In Insects, Science & Society Proceedings of a Symposium* P. 35-77. Ref. 1974 (Pub.1975)

039785 QL461.S89
The dynamics of insect populations [including plant pests]. Southwood, T R E *In Insects, Science & Society Proceedings of a Symposium* P. 151-199. Ref. 1974 (Pub.1975)

039786 QL461.S89
The evolutionary significance of the social insects. Wilson, E O *In Insects, Science & Society Proceedings of a Symposium* P. 25-31. 1974 (Pub.1975)

039787 QL461.S89
The [John Henry] Comstock heritage [Entomologists]. Evans, H E *In Insects, Science & Society Proceedings of a Symposium* P. XVII-XXV. Ref. 1974 (Pub.1975)

039788 QP476.P45
Arthropod receptor optics. Horridge, G A *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 459-478. Ref. 1975

039789 QP476.P45
Dark regeneration of invertebrate visual pigments [Butterflies]. Stavenga, D G *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 290-295. Ref. 1975

039790 QP476.P45
Electron microscopic investigations on the structure of the photoreceptor cells in the compound eye of Ascalaphus macaronius (Insecta: Neuroptera). (Preliminary note). Schneider, L; Langer, H *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 410-412. 1975

039791 QP476.P45
Optical qualities of the fly [Diptera] eye—an approach from the side of geometrical, physical and waveguide optics. Stavenga, D G *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 126-144. Ref. 1975

039792 QP476.P45
Photoregeneration and the adaptation process in insect photoreceptors. Hamdrof, K; Schwemer, J *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 263-289. Ref. 1975

039793 QP476.P45
Polarisation sensitivity in insect eyes with fused rhabdoms. Menzel, R *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 372-387. Ref. 1975

039794 QP476.P45
Properties and functions of screening pigments in insect eyes. Langer, H *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 429-455. Ref. 1975

039795 QP476.P45
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. Franceschini, N *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 98-125. Ref. 1975

039796 QP476.P45
The polarization sensitivity-dichroic absorption paradox in arthropod photoreceptors. Goldsmith, T H *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 392-409. Ref. 1975

039797 QP476.P45
Waveguide mode effects, birefringence and dichroism in fly [Musca] photoreceptors. Kirschfeld, K; Snyder, A W *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 56-77. Ref. 1975

039798 QP623.P7
Processing of tRNA precursors in higher organisms [Includes Drosophila]. Burdon, R H *In Processing of RNA Report of Symposium* P. 138-153. Ref. 1974 (Pub. 1975)

039799 QP187.7.A1A4
Role of calcium and cyclic AMP [adenosine monophosphate] in controlling fly [Calliphora] salivary gland secretion. Berridge, M J; Lindley, B D; Prince, W T *In Secretory Mechanism of Exocrine Glands Proceedings of The Alfred Benzon Symposium* 7th: 331-343. Ref. 1973 (Pub. 1974)

039800 442.8 IN2
Activity of neurosecretory cells in relation to ovarian cycle of the viviparous cockroach Nauphoeta cinerea (Olivier). Sarojini, S; Chakko, T V *Indian J Exp Biol* 13 (2): 196-199. Mar 1975

039801 442.8 IN2
Effect of chemical agents on the learning behavior of the grass hopper, (Poecilocera picta. Linn. Sukumar, R *Indian J Exp Biol* 13 (2): 194-196. Ref. Mar 1975

039802 442.8 IN2
Effects of peapollen feeding on maturation & copulation in the beetle, Bruchus pisorum L. Pajni, H R; Sood, S *Indian J Exp Biol* 13 (2): 202-203. Mar 1975

039803 442.8 IN2
Fuel economy during flight of the dragonfly pantala flavescens (F). Kallapur, V L *Indian J Exp Biol* 13 (2): 200-202. Ref. Mar 1975

039804 442.8 IN2
Role of cyclic-AMP [adenosine-5'-monophosphate] on morphogenesis in Chironomus thummi thummi (Kieffer). Datta, S *Indian J Exp Biol* 13 (2): 191-192. Ref. Mar 1975

039805 QL461.I56
A day in the life of Protoxaea gloriosa. Alcock, J *Insect World Dig* 2 (5): 10-13. Sept-/Oct 1975

039806 QL461.I56
Butterfly conservation: the right way, the wrong way, the government way. Miller, L D *Insect World Dig* 2 (5): 2-9. Sept/Oct 1975

039807 QL461.I56
Leaf-cutters [Megachile] of the serpentine. Paetzel, M M *Insect World Dig* 2 (4): 13-17. July/Aug 1975

039808 QL461.I56
Misconceptions about insects. Puffer, L *Insect World Dig* 2 (5): 16-18. Sept/Oct 1975

039809 QL461.I56
Mound-building ants of Washington [Formica]. Branson, B A *Insect World Dig* 2 (4): 2-3. July/Aug 1975

039810 QL461.I56
The hopper house of Hamburg [Grasshoppers, history]. Kevan, D K M *Insect World Dig* 2 (6): 2-9. Nov/Dec 1975

039811 QL461.I56
The lesser vine sphinx [Pholus fasciatus]. Gossington, B *Insect World Dig* 2 (5): 14-15. Sept/Oct 1975

039812 421 IN79
A model of digging behaviour and tunnel production in ants [Formica lemani, lasius niger]. Sudd, J H *Insects Soc* 22 (3): 225-235. Sept 1975

039813 421 IN79
A multivariate study of mandibular characters in fifth instar workers and nymphs of Drepanotermes perniger (Froggatt) (Isoptera: Termitinae). Campbell, N A; Watson, J A L *Insects Soc* 22 (3): 293-306. Ref. Sept 1975

039814 421 IN79
Investigations on the social organization in the Pharaoh's ant, Monomorium pharaonis L. (Hymenoptera, Formicidae). I. The regulation of the broad cycle. (Ger) Petersen-Braun, M *Insects Soc* 22 (3): 269-291. Ref. Eng. Sum. Sept 1975

039815 421 IN79
Mating behavior in halictine bees (Hymenoptera: Halictidae). III. Copulatory behavior and olfactory communication. Barrows, E M *Insects Soc* 22 (3): 307-331. Ref. Sept 1975

039816 421 IN79
The effect of gamma irradiations on the longevity of the queens and the workers of Temnothorax recedens (Nyl.) (Formicidae, Myrmicinae). (Fre) Dejean, A *Insects Soc* 22 (3): 237-242. Eng. Sum. Sept 1975

039817 421 IN79
The frontal weapon of soldier termites. I. Rhinotermitidae. (Fre) Quennedey, A; Deligne, J *Insects Soc* 22 (3): 243-267. Ref. Eng. Sum. Sept 1975

039818 QH91.A1I52
Chloride cells of the larvae of Caenis diminuta Walker (Ephemeroptera, Caenidae) under different salinity. (Ger) Wichard, W; Tsui, P T P; Maehler-von-Dewall, A *Int Rev Gesamten Hydrobiol* 60 (5): 705-709. Ref. Eng. Sum. 1975

039819 410 J828
Dung as an insect food source: dung beetles as competitors of other coprophagous fauna and as targets for predators. Macqueen, A *J Appl Ecol* 12 (3): 821-827. Ref. Dec 1975

039820 410 J828
Effects of high temperature and soil moisture on survival of first-instar larvae of the scarab Anoplognathus porosus (Dalman) (Coleoptera). Hassan, S T *J Appl Ecol* 12 (3): 749-754. Dec 1975

039821 410 J828
Field development and quality changes in successive generations of Spodoptera exempta Wlk., the African armyworm. Rose, D J W *J Appl Ecol* 12 (3): 727-739. Map. Ref. Dec 1975

039822 410 J828
Preamble for symposium on effects of dung beetles. Ferrar, P *J Appl Ecol* 12 (3): 819-827. Ref. Dec 1975

039823 410 J828
The agronomic role of introduced dung beetles in grazing systems. McKinney, G T; Morley, F H W *J Appl Ecol* 12 (3): 831-837. Ref. Dec 1975

039824 QH301.J6
Appearances of microtubules [of Nephrotoma saturalis and rats] after various fixative procedures, and comparison with the appearances of tobacco mosaic virus. Forer, A; Blecher, S R *J Cell Sci* 19 (3): 579-605. Ref. Dec 1975

039825 QH301.J6
Distribution of lipid in the lamellate endocuticle of Rhodnius prolixus (Hemiptera). Wigglesworth, V B *J Cell Sci* 19 (3): 439-457. Ref. Dec 1975

039826 QH301.J6
Incorporation of lipid into the epicuticle of Rhodnius (Hemiptera). Wigglesworth, V B *J Cell Sci* 19 (3): 459-485. Ref. Dec 1975

039827 QH301.J6
Lipid staining for the electron microscope: a new method [Tests with tissues of Rhodnius]. Wigglesworth, V B *J Cell Sci* 19 (3): 425-437. Ref. Dec 1975

039828 475 J824
Gas chromatographic determination of Stanozolol in veterinary suspensions. Magin, D F *J Chromatogr* 115 (2): 687-689. Dec 24, 1975

039829 444.8 Z3
Genetic approach to the acoustic communication system of grasshoppers. I. Song pattern of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. (Ger) Helversen, D von; Helversen, O von *J Comp Physiol* 104 (3): 273-299. Ref. Eng. Sum. 1975

039830 444.8 Z3
Genetic approach to the acoustic communication system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and Chorthippus mollis. (Ger) Helversen, D von; Helversen, O von *J Comp Physiol* 104 (3): 301-323. Ref. Eng. Sum. 1975

039831 444.8 Z3
Photoperiodic determination of insect [Ostrinia nubilalis] development and diapause. III. Effects of nondiel photoperiods. Beck, S D *J Comp Physiol* 103 (2): 227-245. Ref. 1975

039832 444.8 Z3
The response characteristics of the tympanal organs of two species of bush cricket [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of sound transmission. Lewis, D B; Seymour, C; Broughton, W B *J Comp Physiol* 104 (3): 325-351. Ref. 1975

039833 420 L84PA
A naturally occurring chromosomal translocation in Myzus persicae (Sulzer). Blackman, R L; Takada, H *J Entomol Ser A Physiol & Behav* 50 (3): 147-156. Ref. Jan 6, 1976

039834 420 L84PA
An eclosion timing mechanism in the mosquito, Anopheles gambiae. Reiter, P; Jones, M D R *J Entomol Ser A Physiol & Behav* 50 (3): 161-168. Ref. Jan 6, 1976

039835 420 L84PA
Carotenoids in blue mutant and normal green pupae of Hyalophora cecropia. Valadon, G; Mummery, R; Rothschild, M *J Entomol Ser A Physiol & Behav* 50 (3): 169-173. Ref. Jan 6, 1976

039836 420 L84PA
How does the female locust [Locusta migratoria migratorioides] dig her oviposition hole? Vincent, J F V *J Entomol Ser A Physiol & Behav* 50 (3): 175-181. Ref. Jan 6, 1976

039837 420 L84PA
Pale coloration in Aphis fabae reared on beans treated withthe plant growth regulator, ethylene-bis-nitrourethane. Honeyborne, C H B; van Emden, H F *J Entomol Ser A Physiol & Behav* 50 (3): 157-160. Jan 6, 1976

039838 420 L84PA
Polytene chromosomes of the sandfly Lutzomyia longipalpis and the cytogenetics of Psychodidae in relation to other Diptera. White, G B; Killick-Kendrick, R *J Entomol Ser A Physiol & Behav* 50 (3): 187-196. Ref. Jan 6, 1976

039839 420 L84PA
Temporal patterning of courtship behaviour in some parasitic Hymenoptera, with special reference to Melittobia acasta. Assem, J van den *J Entomol Ser A Physiol & Behav* 50 (3): 137-146. Ref. Jan 6, 1976

039840 420 L84PA
The mechanism of extension of the pleural pleat in adult Rhodnius prolixus. Vincent, J F V *J Entomol Ser A Physiol & Behav* 50 (3): 183-185. Jan 6, 1976

039841 420 EN86
Mechanical properties of some larval cuticles [Agenius zebra, Bombyx mori]. Hepburn, H R; Levy, H *J Entomol Soc South Afr* 38 (2): 131-140. Ref. Sept 1975

039842 420 EN86
Seasonal flight periods of Tabanidae (Diptera) in Rhodesia. Phelps, R J; Vale, G A *J Entomol Soc South Afr* 38 (2): 341-348. Ref. Sept 1975

039843 420 EN86
The external genitalia of a gynandromorph of Nudaurelia cytherea cytherea (Fabr.) (Lepidoptera: Saturniidae). Geertsema, H *J Entomol Soc South Afr* 38 (2): 185-188. Sept 1975

039844 442.8 B77
An electrophysiological analysis of extra-axonal sodium and potassium concentrations in the central nervous system of the cockroach (Periplaneta americana L.). Thomas, M V; Treherne, J E *J Exp Biol* 63 (3): 801-811. Ref. Dec 1975

039845 442.8 B77
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with flight motoneurones. Burrows, M *J Exp Biol* 63 (3): 713-733. Ref. Dec 1975

039846 442.8 B77
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with ventilatory motoneurones. Burrows, M *J Exp Biol* 63 (3): 735-753. Ref. Dec 1975

039847 442.8 B77
Induction of transport of organic anions in Malpighian tubules of Rhodnius. Maddrell, S H P; Gardiner, B O C *J Exp Biol* 63 (3): 755-761. Ref. Dec 1975

039848 442.8 B77
The significance of palpation by the maxillary palps of Locusta micratoria (L.): an electrophysiological and behavioural study. Blaney, W M; Duckett, A M *J Exp Biol* 63 (3): 701-712. Ref. Dec 1975

039849 410 J825
Delayed allatectomy and feeding in Phormia regina (Meig.): effects on follicular development. Mjeni, A M; Morrison, P E *J Exp Zool* 194 (3): 547-551. Ref. Dec 1975

039850 410.9 H68
Life history and behavior of a corduliid dragonfly, Cordulia aenea amurensis Selys. II. Reproductive period with special reference to territoriality. Ubukata, H *J Fac Sci Hokkaido Univ, Ser vi Zool* 19 (4): 812-833. Map. Ref. June 1975

039851 QR360.A1J6
Kelp fly [Chaetocoelopa sydneyensis] virus [cultured in Galleria mellonella larvae]. Scotti, P D; Gibbs, A J; Wrigley, N G *J Gen Virol* 30 (1): 1-9. Ref. Jan 1976

039852 442.8 AM3
Genetics of eye-gap and maroon-eye mutants in the mosquito [Culex pipiens]. Bhalla, S C; Santos, J M; Barnett, M de F *J Hered* 66 (6): 349-352. Ref. Nov/Dec 1975

039853 442.8 AM3
Spontaneous male recombination and mutation in isogenic-derived chromosomes of Drosophila melanogaster. Kidwell, M G; Kidwell, J F *J Hered* 66 (6): 367-375. Ref. Nov/Dec 1975

039854 442.8 AM3
The mitotic, polytene, and meiotic chromosomes of Drosophila ananassae. Hinton, C W; Downs, J E *J Hered* 66 (6): 353-361. Ref. Nov/Dec 1975

039855 421 J828
Dehydration and survival of the European house dust mite, Dermatophagoides pteronyssinus. Arlian, L G *J Med Entomol* 12 (4): 437-442. Ref. Oct 31, 1975

039856 421 J828
Relation between diel activity and respiration in Armigeressubalbatus (Coquillett) (Diptera: Culicidae). Berlin, O G W; Dwarakanath, S K; Pandian, R S *J Med Entomol* 12 (4): 479-480. Oct 31, 1975

039857 421 J828
Seasonal changes in physiological age composition of tabanid (Diptera) populations in southern Ontario. Troubridge, D A; Davies, D M *J Med Entomol* 12 (4): 453-457. Ref. Oct 31, 1975

039858 421 J828
Sexual behavior maturation in male Aedes triseriatus (Diptera: Culicidae): a re-examination. Foster, W A; Lea, A O *J Med Entomol* 12 (4): 459-463. Oct 31, 1975

039859 442.8 J8224
Ribosomal DNA transcription products during the first steps of magnification in Drosophila melanogaster. Graziani, F; Gargano, S *J Mol Biol* 100 (1): 59-71. Ref. Jan 5, 1976

039860 442.8 J8223
Computer simulation of firefly [Photinus, macdermotti] flash sequences. Carlson, A D; Soucek, B *J Theor Biol* 55 (2): 353-370. Dec 1975

039861 442.8 J8223
Flash pattern recognition in fireflies [Photinus macdermotti]. Soucek, B; Carlson, A D *J Theor Biol* 55 (2): 339-352. Dec 1975

039862 442.8 J8223
Theoretical genetics of Batesian mimicry. I. Single-locus models [Butterflies]. Charlesworth, D; Charlesworth, B *J Theor Biol* 55 (2): 283-303. Ref. Dec 1975

039863 442.8 J8223
Theoretical genetics of Batesian mimicry. II. Evolution of supergenes [Papilio dardanus]. Charlesworth, D; Charlesworth, B *J Theor Biol* 55 (2): 305-324. Ref. Dec 1975

039864 442.8 J8223
Theoretical genetics of Batesian mimicry. III. Evolution of dominance [Papilio dardanus]. Charlesworth, D; Charlesworth, B *J Theor Biol* 55 (2): 325-337. Ref. Dec 1975

039865 440.8 J822
The effect of vinblastine on spermiogenesis in Drosophila melanogaster: evidence for two functional classes of cytoplasmic microtubules. Wilkinson, R F; Stanley, H P; Bowman, J *J Ultrastruct Res* 53 (3): 345-365. Ref. Dec 1975

039866 QR360.J6
Replication of a nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. Knudson, D L; Harrap, K A *J Virol* 17 (1): 254-268. Ref. Jan 1976

039867 99.9 W262
An appraisal of the technique of pitfall trapping for epigeic communities of carabids (Coleoptera, Carabidae) in several selected forest habitats. (Pol) Szyszko, J *Lesnictwo (Warsz)* 21: 167-177. Eng. Sum. 1975

039868 SD1.L44
Ground beetles in forest shelterbelts. (Rus) Pisarev, V G *Lesovod Agrolesomelior* 41: 87-90. 1975

039869 TA401.M32
Influence of Basidiomycetes [Fungi] on the development of neotenics in Heterotermes indicola (Isoptera). (Ger) Lenz, M; Becker, G *Mater Org* 10 (3): 223-237. Ref. Eng. Sum. 1975

039870 TA401.M32
Life history and ecology of Criocephalus rusticus (L.) (Cerambycidae, Coleoptera). (Ger) Kuhne, H *Mater Org* 10 (3): 161-202. Ref. Eng. Sum. 1975

039871 105.1 G344
Anatomical and histological study of the cabbage root fly Hylemya brassicae rectum on the occurrence of a pheromone gland. Degheele, D; Hertveldt, L *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1394-1398. 1974

039872 442 P92
Methods with insect cells in suspension culture. I. Aedes albopictus. Spradling, A; Singer, R H; Lengyel, J; Penman, S *Methods Cell Biol* 10: 185-194. Ref. 1975

039873 442 P92
Methods with insect cells in suspension culture. II. Drosophila melanogaster. Lengyel, J; Spradling, A; Penman, S *Methods Cell Biol* 10: 195-208. Ref. 1975

039874 442 P92
Microanalysis of RNA from defined cellular components [Chironomus tentans]. Lambert, B; Daneholt, B *Methods Cell Biol* 10: 17-47. Ref. 1975

039875 442 P92
Nucleic acid hybridization to the DNA of cytological preparations [Includes Drosophila]. Pardue, M L; Gall, J G *Methods Cell Biol* 10: 1-16. Ref. 1975

039876 448.3 M582AE
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. Gusteleva, L A *Microbiology* 44 (1): 36-38. Jan/Feb 1975

039877 QP187.A1M6
Age-dependent changes in juvenile hormone esterase and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, Leptinotarsa decemlineata. Kramer, S J; Kort, C A D de *Mol Cell Endocrinol* 4 (1): 43-53. Ref. Dec/Jan 1976

039878 443.8 M98
Chemical induction of chromosome aberrations in somatic cells of Drosophila melanogaster. Gatti, M; Pimpinelli, S; De Marco, A; Tanzarella, C *Mutat Res* 33 (2/3): 201-212. Ref. Dec 1975

039879 443.8 M98
Lack of an effect of caffeine on repair systems in oocytes of Drosophila melanogaster following treatment of mature sperm with alkylating agents. Watson, W A F *Mutat Res* 33 (2/3): 395-398. Dec 1975

039880 443.8 M98
Low mutagenic activity of four hycanthone analogues in Drosophila melanogaster. Kramers, P G N; Knaap, A G A C *Mutat Res* 31 (6): 395-399. Ref. Dec 1975

039881 443.8 M98
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of recessive lethals in the absence of detectable chromosome breakage. Vogel, E *Mutat Res* 33 (2/3): 221-228. Ref. Dec 1975

039882 443.8 M98
On nature of y chromosome fragments induced in Drosophila melanogaster females. III. C (1) RA vs C (1) RM females. Andrews, R M; Williamson, J H *Mutat Res* 33 (2/3): 213-220. Ref. Dec 1975

039883 443.8 M98
Radiation-induced numerical aberrations in wild type Drosophila females. Hawley, R S *Mutat Res* 33 (2/3): 391-394. Dec 1975

039884 443.8 M98
Temperature-sensitive prune (pn) mutations of Drosophila melanogaster. Orevi, N; Falk, R *Mutat Res* 33 (2/3): 193-200. Ref. Dec 1975

039885 472 N21
Corpus allatum and ovarian growth in a polymorphic paedogenetic insect [Aphis craccivora]. Elliott, H J *Nature* 257 (5525): 390-391. Oct 2, 1975

039886 472 N21
No detectable satellite DNA in supernumerary chromosomes of the grasshopper Myrmeleotettix [maculatus]. Dover, G A; Henderson, S A *Nature* 259 (5538): 57-59. Ref. Jan 1/8, 1976

039887 472 N21
Organisation and evolution of Drosophila virilis heterochromatin. Holmquist, G *Nature* 257 (5527): 503-506. Ref. Oct 9, 1975

039888 472 N21
Oscillations of tropical insect populations. Bigger, M *Nature* 259 (5540): 207-209. Ref. Jan 22, 1976

039889 474 N213
Brain research on the navigation system of flies [Drosophila]. (Ger) Gotz, K G *Naturwissenschaften* 62 (10): 468-475. Ref. Eng. Sum. Oct 1975

039890 474 N213
Frequency and direction specific receptors of Locusta migratoria. (Ger) Romer, H; Schwartzkopff, J *Naturwissenschaften* 62 (12): 581. Dec 1975

039891 QL750.O3
Ecological specialization of Hawaiian drosophila. II. The community matrix, ecological complementation, and phyletic species packing. Richardson, R H; Smouse, P E *Oecologia* 22 (1): 1-13. Ref. 1975

039892 QL750.O3
On the regulation of the amount of prey in wood ants (Formica polyctena Foerster). (Ger) Horstmann, K *Oecologia* 22 (1): 57-65. Ref. Eng. Sum. 1975

039893 41.8 ON1
A rapid spectrophotometric method for the monitoring of embryonic development in ticks [Boophilus decoloratus] (Acarina: Ixodoidea). Londt, J G H *Onderstepoort J Vet Res* 42 (3): 103-107. Ref. Sept 1975

039894 QL757.A1P32
Photoperiodic induction of the diapause of the egg phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). (Rus) Isaev, V A *Parazitologiia* 9 (6): 501-506. Ref. Eng. Sum. Nov/Dec 1975

039895 QL757.A1P32
Variants of artificial infection of Culex modestus larvae with the entomopathogenic fungus Coelomomyces iliensis. (Rus) Dzerzhinskii, V A; Dubitskii, A M; Deshevykh, N D *Parazitologiia* 9 (6): 540-542. Eng. Sum. Nov/Dec 1975

039896 424.8 P295
Protection of bumblebees [Bombus] that build natural nests. (Rus) Grebennikov, V S *Pchelovodstvo* 9: 36-37. Sept 1975

56.8 P343
Soil forming function of Collembola and Acarina. (Ger) Rusek, J *Pedobiologia* 15 (4): 299-308. Ref. 1975

039897 501 L84PB
The jumping mechanism of Xenopsylla cheopis. I. Exoskeletal structures and musculature. Rothschild, M; Schlein, J *Philos Trans R Soc Lond, Ser B Biol Sci* 271 (914): 457-490. Plates. Ref. Oct 30, 1975

039898 501 L84PB
The jumping mechanism of Xenopsylla cheopis. II. The fine structure of the jumping muscle. Cullen, M J *Philos Trans R Soc Lond, Ser B Biol Sci* 271 (914): 491-497. Ref. Oct 30, 1975

039899 501 L84PB
The jumping mechanism of Xenopsylla cheopis. III. Execution of the jump and activity. Rothschild, M; Schlein, J; Parker, K; Neville, C; Sternberg, S *Philos Trans R Soc Lond, Ser B Biol Sci* 271 (914): 499-515. Plates. Ref. Oct 30, 1975

039900 500 N21P
Aging and its relation to cell growth and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to growth restricting conditions. Schweizer, P; Bodenstein, D *Proc Natl Acad Sci U S A* 72 (11): 4674-4678. Ref. Nov 1975

039901 500 N21P
Allozymic and chromosomal similarity in two Drosophila [setosimentum, Drosophila ochrobasis] species. Carson, H L; Johnson, W E; Nair, P S; Sene, F M *Proc Natl Acad Sci U S A* 72 (11): 4521-4525. Ref. Nov 1975

039902 500 N21P
Chromosome puff activity and protein synthesis in larval salivary glands of Drosophila melanogaster. Korge, G *Proc Natl Acad Sci U S A* 72 (11): 4550-4554. Ref. Nov 1975

039903 334.8 R11
Acute lethality after fast-neutron and X-irradiation of Tribolium confusum. Glenn, N D; Ducoff, H S *Radiat Res* 65 (1): 120-129. Ref. Jan 1976

039904 334.8 R11
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. Koval, T M; Myser, W C; Hink, W F *Radiat Res* 64 (3): 524-532. Ref. Dec 1975

039905 334.8 R11
Temperature-dependence of repair of sublethal radiation damage in Drosophila [melanogaster]. Webb, J V; Hollingsworth, M J; Mill, A J; Davies, R W *Radiat Res* 65 (1): 187-190. Jan 1976

039906 9 R3222
Rearing of Pachychrepoideus vindemiae (Rond.) (Hymenoptera, Pteromaidae) on pupae of Drosophila species. (Spa) Nasca, A J *Rev Agron Noroeste Argent* 12 (1/2): 175-176. 1975

039907 410 R324
A new tyrosine derivative in Drosophila buskii. (Ger) Chen, P S *Rev Suisse Zool* 82 (4): 673-675. Ref. Eng. Sum. 1975

039908 410 R324
Control of various functions by various juvenile hormones in the cockroach Nauphoeta cinerea. (Ger) Lanzrein, B; Wilhelm, R; Luscher, M *Rev Suisse Zool* 82 (4): 698-699. 1975

039909 410 R324
Influence of carbon dioxide narcosis and cold immobilization on the ovarian growth of the cockroach Nauphoeta cinerea. (Ger) Buhlmann, G *Rev Suisse Zool* 82 (4): 676-679. Eng. Sum. 1975

039910 410 R324
Isozymes patterns and enzyme activity of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. (Ger) Borner, P; Chen, P S *Rev Suisse Zool* 82 (4): 667-672. Ref. Eng. Sum. 1975

039911 410 R324
Positional effects of the polar plasm on the karyotype differentiation in Heteropeza pygmaea (Cecidomyiidae, Diptera). Fux, T *Rev Suisse Zool* 82 (4): 679-680. 1975

039912 470 SCI25
The biological clock of insects. Saunders, D S *Sci Am* 234 (2): 114-121. Feb 1976

039913 470 SCI2
Haplodiploidy and the evolution of the social insects. Trivers, R L; Hare, H *Science* 191 (4224): 249-263. Ref. Jan 23, 1976

039914 QL21.U5S6
The ecology and behavior of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a host and its parasites. Eberhard, W G *Smithson Contrib Zool* 205, 39 P. Ref. 1975

039915 511 AK146
Reciprocal crossing of Culex pipiens pipiens with Culex pipiens molestus and the development of parental and hybrid generations. (Rus) Sichinava, Sh G *Soobshch Akad Nauk Gruz SSR* 80 (2): 473-476. Eng. Sum. 1975

039916 QH431.A1G43
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. Kirsanova, R V; Usenko, L I *Sov Genet* 10 (7): 886-890. Ref. July 1974 (Transl. 1976)

039917 QH431.A1G43
Influence of boron on the development of puffs in the polytene chromosomes of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. Drozdovskaya, L N *Sov Genet* 10 (5): 601-607. Ref. May 1974 Transl. Nov 1975

039918 QH431.A1G43
Influence of sodium arsenate on the polytene chromosomes of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. Drozdovskaya, L N; Rapoport, I A *Sov Genet* 10 (5): 608-614. Ref. May 1974 Transl. Nov 1975

039919 QH431.A1G43
Investigation of neguvon resistance in a laboratory-selected strain of Musca domestica L. Dobreva, E I *Sov Genet* 10 (2): 216-219. Feb 1974 (Transl. 1975)

039920 QH431.A1G43
Investigation of synchronous and parallel changes in the gene pools in natural populations of the fruit fly Drosophila melanogaster. Golubovskii, M D; Ivanov, YU N; Zakharov, I K; Berg, R L *Sov Genet* 10 (4): 469-477. Map. Ref. April 1974 (Transl. 1975)

039921 QH431.A1G43
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. I. Relative viability of the genotypes. Shilenko, B V *Sov Genet* 10 (3): 337-343. Ref. Mar 1974 (Transl. 1974)

039922 QH431.A1G43
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. II. Dynamics of the gene and genotypic frequencies. Shilenko, B V *Sov Genet* 10 (4): 478-485. April 1974 (Transl. 1975)

039923 QH431.A1G43
Morphogenetic mosaicism with respect to the homoeotic mutation "aristapedia" in Drosophila melanogaster. Ginter, E K; Ivanov, V I; Mglinets, V A *Sov Genet* 10 (3): 330-336. Ref. Mar 1974 (Transl. 1974)

039924 QH431.A1G43
Puff size variability in Drosophila melanogaster. Belyaeva, E S; Zhimulev, I F *Sov Genet* 10 (5): 615-620. Ref. May 1974 Transl. Nov 1975

039925 QH491.S66
Boris L'vovich Astaurov (1904-1974) [Entomologists]. Rokitskii, P F *Sov J Dev Biol* 5 (6): 481-484. Nov/Dec 1974 (Transl 1975)

039926 QH491.S66
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. Leibovich, B A; Belyaeva, E S; Zhimulev, I F *Sov J Dev Biol* 5 (6): 485-495. Ref. Nov/Dec 1974 (Transl 1975)

039927 QH491.S66
Influence of a prolonged thermal influence on the activity of the polytene chromosomes of the salivary glands of Drosophila melanogaster. Drozdovskaya, L N *Sov J Dev Biol* 6 (1): 81-84. Ref. Jan/Feb 1975

039928 QH491.S66
Influence of alpha- and beta-ecdysone on the differentiation of the imaginal disks of Drosophila melanogaster, culturedin vitro. Mukhovatova, L M; Kakpakov, V T *Sov J Dev Biol* 6 (1): 67-72. Ref. Jan/Feb 1975

039929 QH491.S66
Interaction of the homeotic aristapedia and polycomb mutations in the ontogenesis of Drosophila melanogaster. Bulyzhenkov, V E; Ginter, E K; Ivanov, V I *Sov J Dev Biol* 5 (6): 559-565. Ref. Nov/Dec 1975 (Transl 1975)

039930 QH491.S66
Morphofunctional state of principal organ system, life span, and fertility in the domestic cricket Acheta domestica during normal imaginal development and after allatectomy. Chudakova, I V; Bocharova-Messner, O M; Romashkina, M P *Sov J Dev Biol* 6 (1): 17-25. Ref. Jan/Feb 1975

039931 QH491.S66
Nuclear structures in the ovarioles of the moth Laspeyresiapomonella sex chromatin in trophocytes. Gruzova, M N *Sov J Dev Biol* 5 (6): 548-558. Ref. Nov/Dec 1974 (Transl 1975)

039932 QH491.S66
Somatic polyploidy in tissue development [Insects]. Brodskii, V YA; Uryvaeva, I V *Sov J Dev Biol* 5 (6): 525-534. Ref. Nov/Dec 1974 (Transl 1975)

039933 QH491.S66
The endocrine glands of Chironomus thummi Kief. During larval development and metamorphosis. Kiknadze, I I; Panova, T M; Novak, V YA A *Sov J Dev Biol* 6 (1): 8-16. Ref. Jan/Feb 1975

039934 382 T29
Synthesis of optically active forms of sulcatol. The aggregation pheromone in the scolytid beetle, Gnathotrichus sulcatus. Mori, K *Tetrahedron* 31 (24): 3011-3012. Ref. 1975

039935 385 T29
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the African monarch butterfly [Danaus chrysippus]. Morizur, J P; Bidan, G; Kossanyi, J *Tetrahedron Lett* 47: 4167-4170. Nov 1975

039936 385 T29
1,13-tetradecadien-3-one and homologs: new natural products isolated from Schedorhinotermes [lamanianus] soldiers. Prestwich, G D; Kaib, M; Wood, W F; Meinwald, J *Tetrahedron Lett* 52: 4701-4704. Ref. Dec 1975

039937 QH573.T5
A freeze-fracture study of adult Calliphora salivary glands. Skaer, H le B; Berridge, M J; Lee, W M *Tissue Cell* 7 (4): 677-688. Ref. 1975

039938 QH573.T5
The compound eye in the opaque-eye phenotype of Drosophila melanogaster. Youssef, N N; Gardner, E J *Tissue Cell* 7 (4): 655-668. Ref. 1975

039939 QH573.T5
The ultrastructure of the adult abdominal cuticle of Tenebrio molitor L. (Insecta: Coleoptera). (Fre) Delachambre, J *Tissue Cell* 7 (4): 669-676. Ref. Eng. Sum. 1975

039940 QH573.T5
Ultrastructural studies of development and light-dark adaptation of the eye of Coccinella septempunctata L., with particular reference to ciliary structures. Home, E M *Tissue Cell* 7 (4): 703-722. Ref. 1975

039941 391.8 T66
Bite by the spider Herpyllus ecclesiasticus in South Carolina. Majeski, J A; Durst, G G Sr *Toxicon* 13 (5): 377. Nov 1975

391.8 T66
Effects of venom from the scorpion Heterometrus fulvipes onsome enzyme systems of sheep brain. Prameelamma, Y; Reddy, A V G; Swami, K S *Toxicon* 13 (6): 482-484. Ref. Dec 1975

039942 442 P92
Isolation and experimental manipulation of polytene nuclei in Drosophila. Thomas, G; Roos, G; Lange, H W; Hempel, K *Trans Biochem Soc* 3 (6): 1120-1123. 1975

039943 QD415.A1B58
Pathways of pyrimidine salvage in Drosophila melanogaster. Clynes, M M; Duke, E J *Trans Biochem Soc* 3 (6): 1256-1257. Ref. 1975

039944 QD415.A1B58
The function of moulting hormones during insect development. Highnam, K C *Trans Biochem Soc* 3 (6): 1160-1163. Ref. 1975

039945 442.8 T78
The ultrastructure of trophocyte nuclei in the polytrophic ovarioles of Chrysopa (Neuroptera). (Rus) Zaichikova, Z P; Gruzova, M N *TSitologiia* 17 (11): 1253-1262. Ref. Eng. Sum. Nov 1975

039946 A99.9 F7632US
Modifications in the Malaise insect trap. Schroeder, M H; Mitchell, J C; Schmid, J M; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 299, 2 P. Sept 1975

039947 410.9 C33
Laboratory studies on the life cycle of Pterostichus melanarius (Illig.) (Coleoptera: Carabidae). Hurka, K *Vestn Cesk Spol Zool* 39 (4): 265-274. Ref. 1975

039948 410.9 C33
The correlation between the occurrence of both soil mites (Oribatei) and soil fungi in Qualubia Governorate. Tadros, M S *Vestn Cesk Spol Zool* 39 (4): 293-296. 1975

039949 442.8 Z33
Olfactory sensilla and systematics of Lamellicornia (Insecta, Coleoptera). (Ger) Meinecke, C C *Z Morphol Tiere* 82 (1): 1-42. Ref. Eng. Sum. 1975

039950 442.8 Z33
Structural polarities in mechanosensitive sensilla and their influence on stimulus transmission (Arthropoda). Gaffal, K P; Tichy, H; Theiss, J; Seelinger, G *Z Morphol Tiere* 82 (2/3): 79-103. Ref. 1975

039951 442.8 Z33
Studies on the embryology and morphology of the whip spider, Tarantula marginemaculata C. L. Koch (Arachnida, Amblypygi, Tarantulidae). (Ger) Weygoldt, P *Z Morphol Tiere* 82 (2/3): 137-199. Ref. Eng. Sum. 1975

039952 442.8 Z33
The basal abdominal segments of the Neuropteroidea (Insecta, Holometabola). A comparative study of skeleton and musculature. (Ger) Achtelig, M *Z Morphol Tiere* 82 (2/3): 201-242. Ref. Eng. Sum. 1975

039953 442.8 Z33
The morphology of the dorsal and ventral eye of the whirligig beetle Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). (Ger) Wachmann, E; Schroer, W D *Z Morphol Tiere* 82 (1): 43-61. Ref. Eng. Sum. 1975

039954 442.8 Z33
The tympanic organ of Cicada orni L. (Cicadina, Homoptera). A light and electron microscopic investigation. (Ger) Michel, K *Z Morphol Tiere* 82 (1): 63-78. Ref. Eng. Sum. 1975

039955 464.8 Z3
Ageing and histological degeneration of females of spider mites (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). (Ger) Langenscheidt, M *Z Pflanzenkr Pflanzenschutz* 81 (12): 751-757. Ref. Eng. Sum. 1974

039956 410 Z35
Observations on male territories in a carpenter bee, Xylocopa (Neoxylocopa) hirsutissima Maidl (Hymenoptera, Anthophoridae). Velthuis, H H W; Camargo, J M F de *Z Tierpsychol* 38 (4): 409-418. Ref. Nov 1975

039957 410 Z35
The control system of homing in the spider Agelena labyrinthica (Cl.). (Ger) Dornfeldt, K *Z Tierpsychol* 38 (3): 267-293. Ref. Eng. Sum. Oct 1975

039958 385 Z6
Biorhythm disturbances and the life span of some insects. (Rus) Chernyshev, V B; Afonina, V M *Zh Obshch Khim* 36 (6): 859-862. Ref. Eng. Sum. Nov/Dec 1975

039959 385 Z6
Hereditary polymorphism, hereditary monomorphism, and their role in the evolution of coloration in Chrysomelidae (Coleoptera). (Rus) Kreslavskii, A G *Zh Obshch Khim* 36 (6): 878-886. Ref. Eng. Sum. Nov/-Dec 1975

039960 385 Z6
The wing venation of Chrysopa aspersa Wesm. (Chrysopidae, Neuroptera) as a model for microevolutionary studies. (Rus) Orlov, L M *Zh Obshch Khim* 36 (6): 902-913. Ref. Eng. Sum. Nov/Dec 1975

039961 410 Z7
Stridulation by Carabus irregularis Fabr. (Coleoptera, Carabidae). (Ger) Bauer, T *Zool Anz* 194 (1/2): 1-5. Ref. Eng. Sum. 1975

039962 410 Z751
On the ovipositor of Platambus maculatus L. (1758) (Insecta, Coleoptera, Adephaga). (Ger) Burmeister, E G *Zool Jahrb, Abt Anat Ontog Tiere* 94 (4): 570-590. Ref. Eng. Sum. 1975

039963 QL1.Z67
Study on relationships between habits and external structures in oligotrophidi larvae (Diptera, Cecidomyiidae). Sylven, E *Zool Scr* 4 (2/3): 55-92. Ref. 1975

039964 410 R92
Acoustic behaviour and migrations of field crickets Grylluscampestris. (Rus) Popov, A V *Zool Zh* 54 (12): 1803-1809. Ref. Eng. Sum. Dec 1975

039965 410 R92
Autogenetic development of ovaries in mosquitoes of the genus Aedes (Diptera, Culicidae) in the south Yamal. (Rus) Nikolaeva, N V *Zool Zh* 54 (11): 1643-1647. Ref. Eng. Sum. Nov 1975

039966 410 R92
Collembola and other microarthropods of forest and meadow regions of the Terskei Ala-Too at the lower limit of the spruce ocurrence. (Rus) Vtorov, P P; Martynova, E F *Zool Zh* 54 (12): 1797-1802. Eng. Sum. Dec 1975

039967 410 R92
Ecology of flies of the genus Fannia (Diptera, Muscidae) in Ivanovo district. (Rus) Lobanov, A M *Zool Zh* 54 (12): 1894-1897. Eng. Sum. Dec 1975

039968 410 R92
Formation of genital system in Tenebrio molitor at latent stages of ontogenesis determined by means of the juvenile hormone analogues. (Rus) Tikhomirova, A L *Zool Zh* 54 (12): 1810-1818. Ref. Eng. Sum. Dec 1975

039969 410 R92
Influence of adaptational reactions of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) on its host Eulecanium caraganae. (Rus) Vu Kuang Kon,; Sugoniaev, E S *Zool Zh* 54 (10): 1488-1494. Ref. Eng. Sum. Oct 1975

039970 410 R92
Influence of parasitic flies (Phasiidae) upon the genital system Eurygaster integriceps. (Rus) Beliaeva, T G *Zool Zh* 54 (12): 1838-1846. Ref. Eng. Sum. Dec 1975

039971 410 R92
Influence of trace pheromones of Trissolcus grandis (Hymenoptera, Scerionidae) on the searching behaviour of females. (Rus) Kochetova, N I *Zool Zh* 54 (10): 1571-1573. Ref. Eng. Sum. Oct 1975

039972 410 R92
On the colour vision of Tabanidae (Diptera). (Rus) Mazokhin-Porshniakov, G A; Cherkasov, A D; Burakova, O V; Vishnevskaia, T M *Zool Zh* 54 (10): 1574-1576. Ref. Eng. Sum. Oct 1975

039973 410 R92
Ratio of the body length and weight in Pachyiulus flavipes and Amblyiulus continentalis (Diplopoda, Juloidea). (Rus) Mazantseva, G P *Zool Zh* 54 (11): 1726-1729. Eng. Sum. Nov 1975

039974 410 R92
Resistance of different life forms of Collembola against dryness. (Rus) Stebaeva, S K *Zool Zh* 54 (11): 1609-1617. Ref. Eng. Sum. Nov 1975

039975 410 R92
Role of desert wood lice [Hemilepistus fedtschenkoi] in decomposition of plant [Phlomis bucharicus] remains. (Rus) Striganova, B R; Valiakhmedov, B V *Zool Zh* 54 (10): 1560-1562. Eng. Sum. Oct 1975

039976 410 R92
Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the fox-coloured sawfly Neodiprion sertifer. (Rus) Sergeeva, T K *Zool Zh* 54 (10): 1495-1505. Ref. Eng. Sum. Oct 1975

TAXONOMIC ENTOMOLOGY

039977 420 C33
A new Palaearctic species of Syndyas [subsabinios] Loew from Spain, with synonymic notes on the genus Sabinios Jones (Diptera, Empididae). Chvala, M *Acta Entomol Bohemoslov* 72 (5): 257-261. 1975

039978 420 C33
Arctocorisa (Monticorixa subgen. N.) armeniaca sp. N. From Transcaucasia (Heteroptera, Corixidae) [New taxa]. Stys, P *Acta Entomol Bohemoslov* 72 (5): 231-246. Ref. 1975

039979 420 C33
Larval diagnosis of the tribe Stenolophini and notes on theclassification of the subfamily Harpalinae (Coleoptera, Carabidae) [New taxa]. Hurka, K *Acta Entomol Bohemoslov* 72 (5); 247-256. Ref. 1975

039980 420 C33
Leptocera (Opacifrons) moravica sp. N. From Czechoslovakia (Diptera, Sphaeroceridae). Rohacek, J *Acta Entomol Bohemoslov* 72 (5): 262-265. 1975

039981 420 C33
Paregle danieli sp. N. (Diptera, Anthomyiidae) from the Himalayas [New taxa]. Gregor, F *Acta Entomol Bohemoslov* 72 (5): 266-268. 1975

039982 500 N483N
Distributional notes on some Ennominae from Baja California, with descriptions of new species (Lepidptera, Geometridae). Rindge, F H *Am Mus Novit* 2592, 13 P. Ref. Jan 23, 1976

039983 436.8 AN7
Comments on the infraspecific taxonomy of Sergentomyia minuta (Rondani, 1843), Sergentomyi africana (Newstead 1912) and Sergentomyia antennata (Newstead, 1912). (Fre) Rioux, J A; Croset, H; Leger, N; Maistre, M *Ann Parasitol Hum Comp* 50 (5): 535-541. Ref. Eng. Sum. Sept/Oct 1975

039984 QL487.A8
Melanitis leda bankia (Fabricius) (Lepidoptera: Nymphalidae) in Sydney and on Norfolk Island. Smithers, C N *Aust Entomol Mag* 2 (5): 110-111. Oct 1975

039985 QL487.A8
Moths of the families Sphingidae, Notodontidae and Agaristidae observed in Ku-ring-gai Chase National Park, New South Wales. Rose, A B *Aust Entomol Mag* 2 (5): 93-96. Oct 1975

039986 QL487.A8
New butterfly records for Springsure, Central Highlands, Queensland. Le Souef, J C *Aust Entomol Mag* 2 (5): 97. Oct 1975

039987 QL487.A8
The life history of a hitherto unrecognised Lycaenid species: Theclinesthes albocincta (Waterhouse) from South Australia [New taxa]. Grund, R; Sibatani, A *Aust Entomol Mag* 2 (5): 99-103. Oct 1975

039988 410 AU73
Dispersion and history of a population of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae) [Geographical distributions]. Greenslade, P J M *Aust J Zool* 23 (4): 495-510. Ref. Nov 1975

039989 410 AU73
Dispersion and history of a population of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae). Greenslade, P J M *Aust J Zool* 23 (4): 495-510. Map. Ref. Nov 1975

039990 QL338.A8
A revision of the Australian hylaeine bees (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, AmphylaeusMichener and Meroglossa Smith [New taxa]. Houston, T F *Aust J Zool. Suppl Ser* 36, 135 P. Maps. Ref. Nov 14, 1975

039991 QL338.A8
A revision of the Australian hylaeine bees (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, Amphylaeus Michener and Meroglossa Smith [New taxa]. Houston, T F *Aust J Zool. Suppl Ser* 36, 135 P. Maps. Ref. Nov 14, 1975

039992 436.9 C43
Notes on the biology and geographical distribution of spiders of the genus Loxosceles. (Spa) Schenone, H; Letonja, T *Bol Chil Parasitol* 30 (1/2): 27-29. Ref. Eng. Sum. Jan/June 1975

039993 512 W262
Descriptions of three new Histeridae (Coleoptera) from the tropics [Hypocacculus (Nessus) asiaticus, Hypobletus togoensis, Epitoxasia onthophila]. Mazur, S *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 457-461. 1975

039994 512 W262
Materials concerning the morphology, biology and taxonomy of some species of Phytomyza Fallen (Diptera, Agromyzidae). Beiger, M *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 537-541. Ref. 1975

039995 512 W262
New Scarabaeidae (Coleoptera) from Asia [Aphodius, Onthophagus]. (Ger) Stebnicka, Z *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 185-189. Eng. Sum. 1975

039996 512 W262
Notes on the genera Edwardsiana Zachv. And Pithyotettix Rib. (Homoptera, Cicadellidae) with descriptions of two new species. Anufriev, G A *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 531-536. 1975

039997 512 W262
On some Typhlocybinae from India (Auchenorrhyncha, Cicadellidae) [Anaka, Takama, Mandola, new taxa]. Dworakowska, I; Viraktamath, C A *Bull Acad Pol Sci, Ser Sci Biol* 23 (8): 521-530. Ref. 1975

039998 512 W262
Scarabaeidae in two mountain pastures in Poland and Bulgaria. Breymeyer, A; Zacharieva-Stoilova, B *Bull Acad Pol Sci, Ser Sci Biol* 23 (3): 173-180. Ref. 1975

039999 99.9 EH3
The Coleoptera of the Ehime University Forest. II. Researches on the insect-fauna of Komenono University Forest. 5. (Jpn) Ishihara, T; Miyatake, M; Hisamatsu, S; Nagata, J; Shinoto, R; Watanabe, T; Sakai, M *Bull Ehime Univ For* 12: 155-166. Ref. Oct 1975

040000 107.6 Y14
Some taxonomical and biological observations of the aphids caught on the vegetables in autumn season. (Jpn) Ikuta, M; Murasige, E; Tanabe, M; Moritsu, M; Hamasaki, S *Bull Fac Agric Yamaguti Univ* 26: 123-133. Ref. Eng. Sum. 1975

040001 99.8 R47
Studies on Scolytidae. XIII. Twenty-one new species of Cryphalini from Japan (Coleoptera). Nobuchi, A *Bull Gov For Exp Stn (Tokyo)* 277: 41-60. Oct 1975

040002 470 C16D
A gynandromorph cricket, Gryllus bimaculatus (Grylloptera: Gryllidae). Johnstone, D E *Can J Zool* 53 (11): 1505-1513. Ref. Nov 1975

040003 470 C16D
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. Atchley, W R; Wirth, W W *Can J Zool* 53 (10): 1421-1423. Oct 1975

040004 S13.B82
Paraceras melis (Waker), Siphonaptera, a new species for the fauna of Bulgaria. Pisarska, P *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 79-81. Ref. 1975

040005 421 D48
Catalog and location of types of the Central European Pterophoridae (Lepidoptera, Pterophoridae). II. (Ger) Hannemann, H J *Dtsch Entomol Z* (New Ser.) 22 (4/5): 340-349. Nov 18, 1975

040006 421 D48
Contribution to the study of the genus Amara Bon. (Coleoptera, Carabidae) [New taxa]. (Ger) Hieke, F *Dtsch Entomol Z* (New Ser.) 22 (4/5): 257-342. Ref. Nov 18, 1975

040007 421 D48
Ectopsocopis cryptomeriae (Enderlein, 1907) a remarkable species of the Yugoslavian Psocoptera fauna (Peripsocidae, Psocoptera). (Ger) Gunther, K K; Kalinovic, I *Dtsch Entomol Z* (New Ser.) 22 (4/5): 351-357. Ref. Nov 18, 1975

040008 421 D48
Larvae of Novius cruentatus (Mulsant) (Coleoptera, Coccinellidae). (Ger) Klausnitzer, B; Schulze, J *Dtsch Entomol Z* (New Ser.) 22 (4/5): 359-361. Nov 18, 1975

040009 421 EN86
A melanic specimen of Harpalus (Ophonus) schaubergerianus Puel (rufibarbis auctt.) (Coleoptera, Carabidae) from Suffolk. Nash, D R *Entomol Mon Mag* 110 (1325/1327): 252. Oct/Dec 1974 (Pub. 1975)

040010 421 EN86
A midge [Dasyhelea lithotelmatica] (Diptera, Ceratopogonidae) new to Britain that is abundant in the limestone pavement of the Yorkshire Pennines. Disney, R H L *Entomol Mon Mag* 110 (1325/1327): 227-228. Ref. Oct/Dec 1974 (Pub. 1975)

040011 421 EN86
A second British record of Atractotomus mirificus Woodr. (Hemiptera, Miridae). Woodroffe, G E *Entomol Mon Mag* 110 (1325/1327): 202. Oct/Dec 1974 (Pub. 1975)

040012 421 EN86
Acrotrichis plantonoffi renkonen (Coleoptera, Ptiliidae) and Caenoscelis subdeplanata bris. (Coleoptera, Cryptophagidae) from the Birmingham area. Cooter, J *Entomol Mon Mag* 110 (1325/1327): 246. Oct/Dec 1974 (Pub. 1975)

040013 421 EN86
Aphis etiolata Stroyan (Hemiptera, Aphididae) in Berkshire. Paul, R G *Entomol Mon Mag* 110 (1325/1327): 232. Oct/Dec 1974 (Pub. 1975)

040014 421 EN86
Calligypona reyi (Fieber) (Hemiptera, Delphacidae) in the Isle of Wight. Le Quesne, W J *Entomol Mon Mag* 110 (1325/1327): 221. Oct/Dec 1974 (Pub. 1975)

040015 421 EN86
Coenoscelis subdeplanata Bris. (Coleoptera, Cryptophagidae) in Birmingham. Osborne, P J *Entomol Mon Mag* 110 (1325/1327): 214. Oct/Dec 1974 (Pub. 1975)

040016 421 EN86
Coleoptera from Les Ecrehous (Channel Islands). Last, H *Entomol Mon Mag* 110 (1325/1327): 256. Oct/Dec 1974 (Pub. 1975)

040017 421 EN86
Coniosternum obscurum Fall. (Diptera, Scatophagidae) in Wiltshire. Andrewes, C H *Entomol Mon Mag* 110 (1325/1327): 240. Oct/Dec 1974 (Pub. 1975)

040018 421 EN86
Dorcatoma serra Pz. (Coleoptera, Anobiidae): a notable addition to the Suffolk list. Nash, D R *Entomol Mon Mag* 110 (1325/1327): 240. Oct/Dec 1974 (Pub. 1975)

040019 421 EN86
Ephemeroptera and Plecoptera in North Wales. Brittain, J E *Entomol Mon Mag* 110 (1325/1327): 247-251. Ref. Oct/Dec 1974 (Pub. 1975)

040020 421 EN86
Eriozona syrphoides Fallen (Diptera, Syrphidae) in North Wales. Crow, P N *Entomol Mon Mag* 110 (1325/1327): 222. Oct/Dec 1974 (Pub. 1975)

040021 421 EN86
Insects at flowers of Elecampane (Inula helenium L.). Payne, R M *Entomol Mon Mag* 110 (1325/1327): 221. Oct/Dec 1974 (Pub. 1975)

040022 421 EN86
Linnaemyia haemorrhoidalis Fall. (Diptera, Tachinidae): a correction. Ford, T H *Entomol Mon Mag* 110 (1325/1327): 236. Oct/Dec 1974 (Pub. 1975)

040023 421 EN86
Negative binomial distribution of phoretic mites. Binns, E S *Entomol Mon Mag* 110 (1325/1327): 223-226. Ref. Oct/Dec 1974 (Pub. 1975)

040024 421 EN86
Observations on Scottish Aradidae (Hemiptera). Crowson, R A *Entomol Mon Mag* 110 (1325/1327): 252. Oct/Dec 1974 (Pub. 1975)

040025 421 EN86
On a new species of Proctophantasta [pahangiensis] (Hemiptera), Acanthosomatidae) from Malaysia. Kumar, R *Entomol Mon Mag* 110 (1325/1327): 253-255. Oct/Dec 1974 (Pub. 1975)

040026 421 EN86
Palembus Casey a senior synonym of Martianus Fairmaire (Coleoptera, Tenebrionidae). Halstead, D G H *Entomol Mon Mag* 110 (1325/1327): 241-243. Oct/Dec 1974 (Pub. 1975)

040027 421 EN86
Quedius plancus Er. (Coleoptera, Staphylinidae) in west Sussex. Last, H *Entomol Mon Mag* 110 (1325/1327): 236. Oct/Dec 1974 (Pub. 1975)

040028 421 EN86
Review of the British and notes on other species of the Mycetophila ruficollis-group, with the description of a new species [Mycetophila britannica] (Diptera, Mycetophilidae). Lastovka, P; Kidd, L N *Entomol Mon Mag* 110 (1325/1327): 203-214. Oct/Dec 1974 (Pub. 1975)

040029 421 EN86
Scolopostethus pictus (Schilling) (Hemiptera, Lygaeidae) in Scotland. Crossley, R *Entomol Mon Mag* 110 (1325/1327): 226. Oct/Dec 1974 (Pub. 1975)

040030 421 EN86
Some additions to the Coleoptera of Cornwall. Bannister, R T *Entomol Mon Mag* 110 (1325/1327): 252. Oct/Dec 1974 (Pub. 1975)

040031 421 EN86
Studies on idiocerinae leafhoppers. XI. The neotropical genus Chunroides Evans. Capriles, J M *Entomol Mon Mag* 110 (1325/1327): 233-236. Oct/Dec 1974 (Pub. 1975)

040032 421 EN86
Tullbergia duboscqi Denis (Collembola, Omychiuridae) from Kent. Gough, H J *Entomol Mon Mag* 110 (1325/1327): 232. Oct/Dec 1974 (Pub. 1975)

040033 421 EN86
Two genera of nomadine bees [Ammobates and Morgania] new to India (Hymenoptera, Apoidea). Baker, D B *Entomol Mon Mag* 110 (1325/1327): 237-240. Oct/Dec 1974 (Pub. 1975)

040034 421 EN86
Two Mycetophilidae (Diptera), new to Britain. Kidd, L N *Entomol Mon Mag* 110 (1325/1327): 236. Oct/Dec 1974 (Pub. 1975)

040035 421 EN86
Tychius flavicollis Stephens (Coleoptera, Curculionidae) in Cumbria. Read, R W J *Entomol Mon Mag* 110 (1325/1327): 256. Oct/Dec 1974 (Pub. 1975)

040036 421 EN86
Wiltshire Coleoptera, with particlar reference to Limobius borealis (Payk.) (Curculionidae), and a record from Gloucestershire. Morris, M G *Entomol Mon Mag* 110 (1325/1327): 222. Oct/Dec 1974 (Pub. 1975)

040037 421 EN88
A new species of Smicraulax [piercei] from Mexico, with key to species of the genus (Coleoptera: Curculionidae). Burke, H R *Entomol News* 86 (7/8): 167-171. Sept/Oct 1975

040038 421 EN88
A preliminary report on the Syrphidae (Diptera) of Belize, with the description of a new species. Sedman, Y S *Entomol News* 86 (9/10): 199-206. Nov/Dec 1975

040039 421 EN88
An index to the insects and spiders featured on Audubon's bird plates. Frost, S W *Entomol News* 86 (9/10): 217-226. Nov/Dec 1975

040040 421 EN88
Gyponana (Zerana) secunda, a new species of leafhopper fromPanama and Grand Cayman Island (Homoptera: Cicadellidae). Freytag, P H; DeLong, D M *Entomol News* 86 (7/8): 141-143. Sept/Oct 1975

040041 421 EN88
On a collection of Odonata from Manipur, India. Mitra, T R *Entomol News* 86 (9/10): 213-216. Nov/Dec 1975

040042 421 EN88
Phloeoxena newtoni new species, and notes on Phloeoxena nigricollis Ball and Phloeoxena geniculata Chaudoir from Mexico (Coleoptera: Carabidae: Lebiini). Ball, G E *Entomol News* 86 (7/8): 151-156. Sept/Oct 1975

040043 421 EN88
Recent records of ticks, Ixodes cookei Packard and Dermacentor variabilis (Say) (Acarina: Ixodoidea) in southwestern Ontario. Judd, W W *Entomol News* 86 (7/8): 157-159. Map. Sept/Oct 1975

040044 421 EN88
Sexual behavior of Hemitaxonous dubitatus (Norton) (Hymenoptera: Tenthredinidae). Gordh, G *Entomol News* 86 (7/8): 161-166. Ref. Sept/Oct 1975

040045 421 EN88
Two new katydids of the genus Melanonotus [tico, Melanonotus powellorum] from Costa Rica with comments on their life history strategies (Tettigoniidae: Pseudophyllinae). Rentz, D C *Entomol News* 86 (7/8): 139-140. Map. Sept/Oct 1975

040046 421 R322
A description of the larva and pupa of Haematopota scutellata rossica Olsufjev et Ivanistshuk (Diptera, Tabanidae). (Rus) Ivanishchuk, P P *Entomol Obozr* 54 (4): 896-898. Eng. Sum. 1975

040047 421 R322
A new species of the genus microplax [fasciata] (Heteroptera, Lygaeidae) from the Caucasus. (Rus) Zaitseva, I F *Entomol Obozr* 54 (4): 827-829. Eng. Sum. 1975

040048 421 R322
Beetles of the family rhipiphoridae (Coleoptera) from the fauna of the USSR I. [New taxa]. (Rus) IAblokov-Khnzorian, S M *Entomol Obozr* 54 (4): 846-856. 1975

040049 421 R322
Collembola from the East Pamirs. II. The family Isotomidae [New taxa]. (Rus) Martynova, E F; Chelnokov, V G *Entomol Obozr* 54 (4): 787-794. Eng. Sum. 1975

040050 421 R322
Discovery of Haematopota scutellata Ols. M. Et Chv. (Diptera, Tabanidae) in the middle European part of the USSR and the description of a new subspecies. (Rus) Olsuf'ev, N G; Ivanishchuk, P P *Entomol Obozr* 54 (4): 890-895. Map. Eng. Sum. 1975

040051 421 R322
Materials on the fauna and ecology of Apoidea (Hymenoptera) from the lower Don. VI. Review of tropic links. (Rus) Pesenko, IU A *Entomol Obozr* 54 (3): 555-564. Ref. Eng. Sum. 1975

040052 421 R322
New data on the fauna of Gelechiidae (Lepidoptera) from the European part of the USSR [New taxa]. (Rus) Piskunov, V I *Entomol Obozr* 54 (4): 857-871. Ref. Eng. Sum. 1975

040053 421 R322
On the fauna of predatory mites of Phytoseiidae (Parasitiformes) from the Yaroslavl district [New taxa]. (Rus) Vainshtein, B A *Entomol Obozr* 54 (4): 914-922. Eng. Sum. 1975

040054 421 R322
On the use of the structure of the male's genitalia for the taxonomy of horseflies (Diptera. Tabanidae). (Rus) Terterian, A E; Sarkisian, M K *Entomol Obozr* 54 (4): 880-889. 1975

040055 421 R322
Peculiarities in the structure of the female's head as a taxonomic character in the family of mosquitoes [Culicidae]. (Rus) Gutsevich, A V *Entomol Obozr* 54 (4): 877-879. Ref. Eng. Sum. 1975

040056 421 R322
Pseudencyrtoides cupressi Gordh et Trjapitzin, gen, et sp. n., a new genus and a new species of encyrtids (Hymenoptera, Chalcidoidea, Encyrtidae) from North America. (Rus) Gord, G; Triapitsyn, V A *Entomol Obozr* 54 (4): 872-876. Eng. Sum. 1975

040057 421 R322
Review of the cottony grass scales of the genus eriopeltis sign. (Homoptera, Coccoidea, Coccidae) of the Palaearctic [New taxa]. (Rus) Dantsig, E M *Entomol Obozr* 54 (4): 808-813. Ref. Eng. Sum. 1975

040058 421 R322
Revision of Scirtetellus Reut. (Heteroptera, Miridae) [New taxa]. (Rus) Medvedeva, N D *Entomol Obozr* 54 (4): 814-826. Map. Ref. 1975

040059 421 R322
Taxonomic analysis of hoverflies (Diptera, Syrphidae). II. [New taxa]. (Rus) Shatalkin, A I *Entomol Obozr* 54 (4): 899-909. Ref. 1975

040060 421 R322
Taxonomic review of genus Nebria Latr. (Coleoptera, Carabidae) from Siberia and Far East of the USSR [New taxa]. (Rus) Shilenkov, V G *Entomol Obozr* 54 (4): 830-845. Ref. Eng. Sum. 1975

040061 421 EN89
Silpha carinata Herbst—a remarkable rediscovery in the British Coleoptera. Nash, D R *Entomol Rec J Var* 87 (11/12): 285-288. Nov/Dec 1975

040062 421 EN89
The scarce swallow-tail: Iphiclides podalirius (L.) in Britain. I. The evidence before Haworth. Wilkinson, R S *Entomol Rec J Var* 87 (11/12): 289-292. Nov/Dec 1975

040063 421 R322AE
A new species of the genus Blaps [balashovi] Fabr. (Coleoptera, Tenebrionidae) from Turkmenia. Bogachev, A V; Medvedev, G S *Entomol Rev* 53 (3): 115-116. July/Sept 1974 Trans 1975

040064 421 R322AE
A new weevil of the genus Dorytomus [kerzhneri] Germ. (Coleoptera, Curculionidae) from the USSR. Yegorov, A B; Korotyayev, B A *Entomol Rev* 53 (3): 132-133. July/Sept 1974 Trans 1975

040065 421 R322AE
A review of the leaf beetles of the genus Pachybrachys Redt. (Coleoptera, Chrysomelidae) of Soviet Central Asia and Kazkhstan. Lopatin, I K *Entomol Rev* 53 (3): 120-127. July/Sept 1974 Trans 1975

040066 421 R322AE
A review of the weevils of the tribe Cyphicerini (Coleoptera, Curculionidae) in the USSR. Nasreddinov, Kh A *Entomol Rev* 53 (3): 128-131. Ref. July/Sept 1974 Trans 1975

040067 421 R322AE
A review of the subfamilies of the Oecophoridae (Lepidoptera) of Europe. L'vovskiy, A L *Entomol Rev* 53 (3): 134-145. Ref. July/Sept 1974 Trans 1975

040068 421 R322AE
Beetles (Coleoptera) from nests of small mammals of Donetsk province. Medvedev, S I; Sklyar, V YE *Entomol Rev* 53 (3): 52-59. Ref. July/Sept 1974 Trans 1975

040069 421 R322AE
Chloropidae (Diptera) of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. Narchuk, E P *Entomol Rev* 53 (3): 152-157. Ref. July/Sept 1974 Trans 1975

040070 421 R322AE
Grasshoppers of the genus Dociostaurus Fieb. (Orthoptera, Acrididae). II. Mishchenko, L L *Entomol Rev* 53 (3): 74-83. Ref. July/Sept 1974 Trans 1975

040071 421 R322AE
On ecological and zoogeographical characteristics of beetles of the family Coccinellidae (Coleoptera) on the left-bank (eastern) Ukraine. Mizer, A V *Entomol Rev* 53 (3): 60-66. July/Sept 1974 Trans 1975

040072 421 R322AE
Proposals on the classification and nomenclature of ranges [Biogeographical regions, entomology]. Yemel'yanov, A F *Entomol Rev* 53 (3): 11-26. Maps. Ref. July/Sept 1974 Trans 1975

040073 421 R322AE
Revision of the genus Heliococcus Sulc (Homoptera, Coccoidea) in the Soviet fauna. II. Bazarov, B B *Entomol Rev* 53 (3): 97-114. July/Sept 1974 Trans 1975

040074 421 R322AE
The discovery of a member of the peculiar family Nymphomyiidae (Diptera) in the Maritime Territory [USSR]. Rodendorf, B B; Kalugina, N S *Entomol Rev* 53 (3): 146-151. Ref. July/Sept 1974 Trans 1975

040075 421 R322AE
The leaf-eating microlepidoptera of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. Nguen Van Doai, *Entomol Rev* 53 (3): 67-73. Ref. July/Sept 1974 Trans 1975

040076 421 R322AE
Thrips (Thysanoptera) of the Crimean fauna. II. Derbeneva, N N *Entomol Rev* 53 (3): 84-96. July/Sept 1974 Trans 1975

040077 421 R322AE
Two new species of longicorn beetles [Xylotrechus arnoldii, Asias galusoi] (Coleoptera, Cerambycidae) from Kazakhstan. Kostin, I A *Entomol Rev* 53 (3): 117-119. July/Sept 1974 Trans 1975

040078 421 EN85
Occurrence of Phagocarpus permundus in Vogelsberg and its western border region (Diptera, Trypetidae). (Ger) Baumann, E *Entomol Z* 86 (1/2): 9-12. Jan 15, 1976

040079 421 EN85
Zygaena orana in western Algeria, with the description of anew subspecies Zygaena orana tafnae [Lepidoptera, Zygaenidae). (Ger) Slaby, O *Entomol Z* 86 (1/2): 1-9. Jan 15, 1976

040080 500 C432Z
An additional new Stenus [(Parastenus) praedictus] from Australia (Coleoptera, Staphylinidae): 100th contribution to the knowledge of Steninae. Puthz, V *Fieldiana Zool* 65 (7): 85-88. Oct 17, 1975

040081 410 F662
Some finds of Microlepidoptera from Denmark in 1974. (Dan) Pallesen, G; Palm, E *Flora Fauna* 81 (4): 73-78. Eng. Sum. Dec 1975

040082 436.8 C33
Parasitic mites of Surinam. XXXII. New species of feather mites (Sarcoptiformes, Analgoidea). Cerny, V *Folia Parasit* 22 (3): 233-240. 1975

040083 QH96.F6
A survey of the invertebrates of four streams in the Moor House National Nature Reserve in northern England [Includes insects]. Armitage, P D; MacHale, A M; Crisp, D C *Freshwater Biol* 5 (5): 479-495. Map. Ref. Oct 1975

448.8 IN22
A survey of haematophagous arthropods in western Himalayas, Sikkim and hill districts of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. Bhat, H R *Indian J Med Res* 63 (11): 1583-1608. Ref. Nov 1975

040084 QL461.I56
Cluster flies [Pollenia]. Arnett, R H Jr *Insect World Dig* 2 (6): 13. Nov/Dec 1975

040085 QL461.I56
Hawaii's kamehameha butterfly [Vanessa tamemea]. Leeper, J R *Insect World Dig* 2 (6): 16-18. Nov/Dec 1975

040086 QL461.I56
Horse-faced flies [Panorpa lugubris]. Davis, M C *Insect World Dig* 2 (6): 19-21. Nov/Dec 1975

040087 8 P832J
Brief notes on the cytology of neotropical Coleoptera. I. Colaspis tricolor Perty (Chrysomelidae: Eumolpinae: Colaspini). Virkki, N *J Agric Univ P R* 59 (4): 305-306. Oct 1975

040088 8 P832J
The Phytoseiidae (Acarina: Mesostigmata) of Puerto Rico [New taxa]. Denmark, H A; Muma, M H *J Agric Univ P R* 59 (4): 279-304. Ref. Oct 1975

040089 420 L84PB
A new species of Pemphigus [trehernei] Hartig (Homoptera: Aphidoidea) from Western Europe. Foster, W A *J Entomol, Ser B, Taxon* 44 (3): 255-263. Ref. Jan 6, 1976

040090 420 L84PB
Descriptions of two new species of butterflies [Strymonidiajebelia, Pseudophilotes sinaicus] (Lepidoptera, Lycaenidae) from the south Sinai. Nakamura, I *J Entomol, Ser B, Taxon* 44 (3): 283-295. Map. Jan 6, 1976

040091 420 L84PB
Geographical patterns of evolution in neotropical Lepidoptera. Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). Brown, K S Jr *J Entomol, Ser B, Taxon* 44 (3): 201-242. Map. Ref. Jan 6, 1976

040092 420 L84PB
On the life cycle of Pemphigus (Pemphiginus) populi Courchet with a key to British species of Pemphigus Hartig (Homoptera: Aphidoidea). Furk, C; Prior, R N B *J Entomol, Ser B, Taxon* 44 (3): 265-280. Ref. Jan 6, 1976

040093 420 L84PB
Relationships and synonymy of Winnemana Crawford (Hymenoptera, Eulophidae). Graham, M W R de V *J Entomol, Ser B, Taxon* 44 (3): 281-282. Jan 6, 1976

040094 420 L84PB
The larvae of the British genera of Cantharidae (Coleoptera). Fitton, M G *J Entomol, Ser B, Taxon* 44 (3): 243-254. Ref. Jan 6, 1976

040095 420 EN86
A review of the genus Idiocerus Lewis (Homoptera: Cicadellidae) in the Ethiopian region, with description of eight new species. Webb, M D *J Entomol Soc South Afr* 38 (2): 165-184. Ref. Sept 1975

040096 420 EN86
A revision of the spider genus Loxosceles Heinecken & Lowe, 1835 (Araneae: Scytodidae) in southern Africa with notes on the natural history and morphology. Newlands, G *J Entomol Soc South Afr* 38 (2): 141-154. Ref. Sept 1975

040097 420 EN86
A taxonomic revision of certain Aedes species (Diptera: Culicidae) of the subgenus Aedimorphus in southern Africa [New taxa]. McIntosh, B M *J Entomol Soc South Afr* 38 (2): 251-287. Ref. Sept 1975

040098 420 EN86
Afrosteles, a new genus of South African Macrostelini (Hemiptera: Cicadellidae). Theron, J G *J Entomol Soc South Afr* 38 (2): 207-209. Sept 1975

040099 420 EN86
Phumosia spinicosta (Hough) a new combination (Diptera: Calliphoridae). Zumpt, F *J Entomol Soc South Afr* 38 (2): 349. Sept 1975

040100 420 EN86
Studies in African Bombyliidae. X. Taxonomic problems relevant to a catalogue of Ethiopian Bombyliidae, with descriptions of new genera and species. Bowden, J *J Entomol Soc South Afr* 38 (2): 305-320. Ref. Sept 1975

040101 420 EN86
The genus Protermes (Isoptera: Termitidae): description of imago caste and new records from central Africa. Ruelle, J E *J Entomol Soc South Afr* 38 (2): 153-163. Ref. Sept 1975

040102 420 EN86
The Naude species of South African Cicadellidae (Hemiptnufacture] ry and Deltocephalus Burmeister [New taxa]. Velasco, V S; Dowling, J F *J Entomol Soc South Afr* 88: 138-154. Sept 1975

040103 420 EN86
Three new species of the genus Alycosmesis (Acari: Terpnanufacture]. Velasco, V S; Dowling, J F *J Entomol Soc South Afr* 88: 138-154. Sept 1975

040104 410.9 H68
Distribution and population constitution of Drosophila in South East Asia and Oceania. II. Drosophilidae in the suburbs of Kuala Lumpur, west Malaysia [New taxa]. Takada, H; Momma, E *J Fac Sci Hokkaido Univ, Ser vi Zool* 20 (1): 9-48. Oct 1975

040105 410.9 H68
Habitat preference of tabanid flies [Tabanidae] in Hokkaido based upon the collection of female adults. Inaoka, T *J Fac Sci Hokkaido Univ, Ser vi Zool* 20 (1): 77-92. Map. Ref. Oct 1975

040106 410.9 H68
Notes on the methods of belt transect census of butterflies. Yamamoto, M *J Fac Sci Hokkaido Univ, Ser vi Zool* 20 (1): 93-116. Oct 1975

040107 410.9 H68
Stingless bees (excl. Tetragonula) from the continental Southeast Asia in the collection of Berince P. Bishop Museum, Honolulu (Hymenoptera, Apidae). Sakagami, S F *J Fac Sci Hokkaido Univ, Ser vi Zool* 20 (1): 49-76. Map. Ref. Oct 1975

040108 421 J828
A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae) [New taxa]. Price, R D; Hellenthal, R A *J Med Entomol* 12 (4): 401-408. Ref. Oct 31, 1975

040109 421 J828
Records of phoretic attachment of Mallophaga (Insecta: Phthiraptera) on insects other than Hippoboscidae. Keirans, J E *J Med Entomol* 12 (4): 476. Oct 31, 1975

421 J828
Satanicoptes armatus, n. Gen., n. Sp. (Astigmata: Sarcoptidae), a new mite producing mange in the Tasmanian Devil (Sarcophilus harrisii Boitard). Fain, A; Laurence, B R *J Med Entomol* 12 (4): 415-417. Oct 31, 1975

040110 421 J828
The larvae of Tahitian Simuliidae (Diptera: Nematocera). Craig, D A *J Med Entomol* 12 (4): 463-476. Ref. Oct 31, 1975

040111 410.9 L84P
An integrated classification for polymorphism and sexual dimorphism in butterflies. Vane-Wright, R I *J Zool* 177 (3): 329-337. Ref. Nov 1975

040112 QL261.M3
Fleas—Siphonaptera. (Hun) Szabo, I *Magy Allatvilaga* .123 (V. 15, No. 18), 96 P. Ref. 1975

040113 QL261.M3
The dancing flies—Empididae. (Hun) Weber, M *Magy Allatvilaga* 121 (V. 14, No. 13), 220 P. 1975

040114 420 EN824
Revision of the genera Paraphlepsius Baker and Pendarus Ball (Rhynchota: Homoptera: Cicadellidae) [New taxa]. Hamilton, K G A *Mem Entomol Soc Can* 96, 129 P. Maps. Ref. 1975

040115 QL461.S32
Descriptions of some new and new records of some known Chalcidoidea (Hymenoptera) from India [New taxa]. Mani, M S; Dubey, O P; Kaul, B K; Saraswat, G G *Mem Sch Entomol* 3, 108 P. 1974

040116 QL461.E58
Fifteen new Mediterranean caddisflies [Trichoptera]. (Ger) Malicky, H *Mitt Entomol Ges Basel* (New Ser.) 25 (3): 81-96. Ref. Eng. Sum. Sept 1975

040117 QL461.E58
34th contribution to the knowledge of Neotropical Malachiidae (Coleoptera) [Lemphus, new taxa]. (Ger) Wittmer, W *Mitt Entomol Ges Basel* 25 (3): 97-98. Sept 1975

040118 QL536.M6
A new species of Aedes (Stegomyia) [krombeini] from Sri Lanka (Ceylon) (Diptera: Culicidae). Huang, Y M *Mosq Syst* 7 (4): 345-356. Dec 1975

040119 QL536.M6
A new species of bromeliad-breeding Culex (Culex) [dohenyi] from Cocos Island. Hogue, C L *Mosq Syst* 7 (4): 357-362. Dec 1975

040120 QL536.M6
A new species of Culex (Eumelanomyia) [manusensis] Theobald from Manus Island, Papua-New Guinea (Diptera: Culicidae). Sirivanakarn, S *Mosq Syst* 7 (4): 394-401. Dec 1975

040121 QL536.M6
Collection records of the project "Mosquitoes of Middle America". 3. Bahama Islands (BAH), Cayman Islands (CAY), Cuba (CUB), Haiti (HAC, HAR, HAT) and Lesser Antilles (LAR). Belkin, J N; Heinemann, S J *Mosq Syst* 7 (4): 367-393. Dec 1975

040122 QL536.M6
Notes on a catalogue of Culicidae of the Ethiopian region. White, G B *Mosq Syst* 7 (4): 303-344. Ref. Dec 1975

040123 QL536.M6
Psorophora (Janthinosoma) mathesoni, sp. Nov. For "varipes"of the southeastern U.s.a. Belkin, J N; Heinemann, S J *Mosq Syst* 7 (4): 363-366. Dec 1975

040124 QL536.M6
Pupal differences between species A and B of the Anopheles gambiae group from Kaduna, West Africa. Reid, J A *Mosq Syst* 7 (4): 299-302. Dec 1975

040125 S19.M9
On Rhipicephalus ticks of Gujarat, together with a description of a new species—rhipicephalus arakeri from a common Indian rat. Hiregoudar, L S *Mysore J Agric Sci* 9 (3): 473-479. 1975

040126 410 N216
Goera radissonica n. Sp., a new Trichoptera from the James Bay region. (Fre) Harper, P P; Methot, G *Nat Can* 102 (4): 593-595. Eng. Sum. July/Aug 1975

040127 410 N216
Provancher's collections of insects, particularly those of Hymenoptera, and a study of the types of his species of Ichneumonidae. Barron, J R *Nat Can* 102 (4): 387-591. Ref. July/Aug 1975

040128 472 N21
Aedes aegypti complex in Africa. Paterson, H E; Green, C A; Mahon, R J *Nature* 259 (5540): 252. Ref. Jan 22, 1976

040129 421 N84
Baetis species from Kuopio Museum, Finland (Ephemeroptera, Baetidae). Muller-Liebenau, I; Savolainen, E *Not Entomol* 40 (3): 93-96. Map. 1975

040130 421 N84
Coniopterygidae from South Africa (Neuroptera) [New taxa]. Meinander, M *Not Entomol* 40 (3): 81-85. 1975

040131 421 N84
Faunistic notes on Hemiptera from Finland. I. Hulden, L *Not Entomol* 40 (3): 86-88. 1975

040132 421 N84
Fluctuations in butterfly frequency in Central Nyland. Ekholm, S *Not Entomol* 40 (3): 65-80. Ref. 1975

040133 421 N84
On the genus Aphelochirus (Heteroptera, Naucoridae) of tropical Africa [New taxa]. Linnavuori, R *Not Entomol* 40 (3): 89-91. 1975

040134 QL757.A1P32
A new species of the trombiculid mites, Straelensia tauricasp. n., (Acarina, Leeuwenhoekiidae, Apoloniinae). (Rus) Gushcha, G I *Parazitologiia* 9 (6): 526-531. Eng. Sum. Nov/Dec 1975

040135 QL757.A1P32
A new subspecies, Prosimulium macropyga korshunovi patrusheva subsp. n., (Diptera, Simuliidae) from the polar Urals. (Rus) Patrysheva, V D *Parazitologiia* 9 (6): 507-514. Eng. Sum. Nov/Dec 1975

040136 QL757.A1P32
Materials on the distribution of Ixodes pavlovskyi Pom. In the Altai (Acarina, Ixodidae). (Rus) Kovalevskii, IU V; Kuksgauzen, N A; Zhmaeva, Z M *Parazitologiia* 9 (6): 518-521. Eng. Sum. Nov/Dec 1975

040137 QL757.A1P32
On the classification of the biting midges (Diptera, Ceratopogonidae). (Rus) Remm, Kh *Parazitologiia* 9 (5): 393-397. Eng. Sum. Sept/Oct 1975

QL757.A1P32
The absolute registration of pasture ixodid ticks (parasitiformes, Ixodidae) from the eastern slope of Sikhote-Alin. (Rus) Kolpnin, G V; Kiselev, A N; Bolotin, E I *Parazitologiia* 9 (5): 419-424. Eng. Sum. Sept/Oct 1975

040138 500 W272
A new Watophilus [knowltoni] from Utah, including a list of all known species (Chilopoda: Geophilomorpha: Chilenophilidae). Crabill, R E Jr *Proc Biol Soc Wash* 88 (37): 395-398. Jan 22, 1976

040139 500 W272
A report on the fifth international symposium on Plecoptera[Abstract of papers]. Baumann, R W; International Symposium on Plecoptera, Ist, Washimgton, D.; C.; . 1974 *Proc Biol Soc Wash* 88 (38): 399-427. Map. Jan 22, 1976

040140 500 W272
Key to subfamilies of robber flies based on pupal cases, with a description of the pupal case of Doryclus distendens (Asilidae: Megapodinae). Knutson, L *Proc Biol Soc Wash* 88 (48): 509-514. Ref. Jan 22, 1976

040141 513 T576
Definition of Coenomyiidae (Diptera). I. Diagnoses of the family. Nagatomi, A *Proc Jap Acad* 51 (6): 452-456. June 1975

040142 513 T576
Definition of Coenomyiidae (Diptera). II. Genera of the family. Nagatomi, A *Proc Jap Acad* 51 (6): 457-461. June 1975

040143 513 T576
Definition of Coenomyiidae (Diptera). II. Genera excluded from the family. Nagatomi, A *Proc Jap Acad* 51 (6): 462-466. Ref. June 1975

040144 410 B395
Fauna Argentinensis . VII. The Nahuel Huapi National Park. 316. Contribution to the morphology and systematics of the Scolytoidea. (Ger) Schedl, K E *Stud Neotrop Fauna* 10 (1): 1-18. Eng. Sum. June 1975

040145 410 B395
On the phylogenetic position of Brucheiser argentinus Navas 1927 and description of a second species [Brucheiser penai] from Chile (Insecta: Neuroptera). Rick, E F *Stud Neotrop Fauna* 10 (2): 117-126. Dec 1975

040146 410 B395
Revision of the New World genera of the tribe Omicrini trib. Nov. of the hydrophilid subfamily Sphaeridiinae (Coleoptera). Smetana, A *Stud Neotrop Fauna* 10 (2): 153-182. Ref. Dec 1975

040147 410 B395
Studies on the natural history of Central American butterflies in the family cluster Satyridae-Brassolidae-Morphidae (Lepidoptera: Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. Young, A M; Muyshondt, A *Stud Neotrop Fauna* 10 (1): 19-56. Ref. June 1975

040148 410 B395
Watermites (Hydrachnellae, Acari) from standing waters in Guatemala. (Ger) Viets, K O *Stud Neotrop Fauna* 10 (1): 57-76. Ref. Eng. Sum. June 1975

040149 514 AD3
Revision of the genus Astraeus Laporte & Gory (Coleoptera: Buprestidae) [New taxa]. Barker, S *Trans R Soc South Aust Inc* 99 (3): 105-141. Ref. Aug 30, 1975

040150 410.9 C33
Arachnid fauna from Bohemia and their thermophile components. (Ger) Buchar, J *Vestn Cesk Spol Zool* 39 (4): 241-250. Maps. Ref. 1975

040151 410.9 C33
Centrophantes [crosbyi] gen. N. And two new Lepthyphantes species from Slovenia (Chelicerata: Aranea). (Ger) Miller, F; Polenec, A *Vestn Cesk Spol Zool* 39 (2): 126-134. Ref. 1975

410.9 C33
Host races of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: Trichodectidae) [New taxa]. (Ger) Dobroruka, L J *Vestn Cesk Spol Zool* 39 (4): 251-253. 1975

040152 410.9 C33
Redescription of Ptenidiophyes mirabilis Reuter (Heteroptera: Schizopteridae). Stys, P *Vestn Cesk Spol Zool* 39 (2): 154-159. 1975

040153 410.9 C33
Taxonomy and synecology of the genus Proturentomon Silvestri (Protura) [New taxa]. (Ger) Rusek, J *Vestn Cesk Spol Zool* 39 (4): 279-292. 1975

040154 421 W633
A new species of the genus Protaetia [lombokiana] Burm. From Indonesia. (88th contribution to the study of Scarabaeidae). (Ger) Miksic, R *Z Arbeitsgem Osterr Entomol* 27 (1/2): 31-32. 1975

040155 421 W633
Contribution to the study of Coleophoridae. VII. A new Coleophora species from southern Spain. First classes and the male of Coleophora nitidipennella Toll ' Amsel, 1967. The male of Coleophora coarctataephaga Toll, 1961. (Lepidoptera, Coleophoridae). (Ger) Glaser, W *Z Arbeitsgem Osterr Entomol* 27 (1/2): 19-24. 1975

040156 421 W633
New Noctuidae from the Vartian Collection (Vienna). I. (Lepidoptera, Noctuinae) [Austria]. (Ger) Varga, Z *Z Arbeitsgem Osterr Entomol* 27 (1/2): 1-15. 1975

040157 421 W633
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on Agromyza frontella Rondani (Diptera, Agromyzidae). (Ger) Fischer, M *Z Arbeitsgem Osterr Entomol* 27 (1/2): 53-55. Eng. Sum. 1975

040158 421 W633
Rhabdiopteryx christinae, n. Sp., a new stonefly from Spain(Plecoptera, Taeniopterygidae). (Ger) Theischinger, G *Z Arbeitsgem Osterr Entomol* 27 (1/2): 25-30. Ref. Eng. Sum. 1975

040159 421 W633
Species of the genus Glyptorhaestus Thomson (Hymenoptera, Ichneumonidae) [New Taxa]. (Ger) Hinz, R *Z Arbeitsgem Osterr Entomol* 27 (1/2): 39-46. 1975

040160 421 W633
Synonymy of bark beetles XXVI. 318. Morphology and taxonomy of Scolytoidea. (Ger) Schedl, K E *Z Arbeitsgem Osterr Entomol* 27 (1/2): 33-38. 1975

040161 421 W633
Taxonomy of Raphidia (Iranoraphidia n. Sgen.) Wittmeri Asp. And Asp. (Neuroptera, Raphidioptera, Raphidiidae). (Ger) Aspock, H; Aspock, U *Z Arbeitsgem Osterr Entomol* 27 (1/2): 16-18. 1975

040162 421 W633
Three oriental Opiinae (Hymenoptera, Braconidae) from the Townes Collection [New taxa]. (Ger) Fischer, M *Z Arbeitsgem Osterr Entomol* 27 (1/2): 47-52. Eng. Sum. 1975

040163 385 Z6
The endemism and fauna formation of Grylloidea (Orthoptera) in Central Asia [USSR]. (Rus) Pravdin, F N *Zh Obshch Khim* 36 (6): 803-813. Ref. Eng. Sum. Nov/-Dec 1975

040164 410 Z7
A note on the status of Polydesmus clavatipes and some related species from central Asia (Diplopoda, Polydesmidae). Hoffman, R L *Zool Anz* 194 (1/2): 79-83. 1975

040165 410 Z7
Information on wing-reduced Diptera in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). (Ger) Mamaev, B; Mohrig, W *Zool Anz* 194 (1/2): 125-132. Eng. Sum. 1975

040166 410 Z7
Kalotermitidae of the Oriental region, its distribution andzoogeography. Chhotani, O B *Zool Anz* 194 (1/2): 111-124. Maps. Ref. 1975

040167 410 Z7
Knowledge of the tydeids (Acarina, Trombidiformes) from apple orchards [Lorryia palsetosa, new taxa]. (Ger) Karg, W *Zool Anz* 194 (1/2): 91-110. Ref. Eng. Sum. 1975

040168 410.9 L64
A new genus and three new species of cockroaches (Blattaria: Dictyoptera) from Africa [Princisaria carvalhoi, Princisaria ugandana, Princisaria curta]. Kumar, R *Zool J Linn Soc* 57 (2): 179-184. Sept 1975

040169 410.9 L64
The synonymy and distribution of the crenulata- and psittacina-groups of Atractomorpha Saussure 1862 (Orthoptera: Acridoidea: Pyrgomorphidae). Kevan, D K M *Zool J Linn Soc* 57 (2): 95-154. Maps. Ref. Sept 1975

040170 QL1.Z67
New water mites (Acari, Hydrachnellae) from Australia. (Ger) Viets, K O *Zool Scr* 4 (2/3): 93-100. Eng. Sum. 1975

040171 410.9 L59Z
Further notes on the spiders of New Guinea. II. (Araneae, Tetragnathidae, Theridiidae) [New taxa]. Chrysanthus, F *Zool Verh Uitgeg Rijksmus Nat Hist Leiden* 140, 50 P. Ref. June 6, 1975

040172 410 R92
A key to larvae of the genus Glyptotendipes (Diptera, Chironomidae) in wter bodies of the Moscow district [New taxa]. (Rus) Kalugina, N S *Zool Zh* 54 (12): 1830-1837. Ref. Eng. Sum. Dec 1975

040173 410 R92
Ecological-geographical review of the fauna of leaf beetles (Coleoptera, chrysomelidae) in central Kazakhstan. (Rus) Arnol'di, L V; Medvedev, L N *Zool Zh* 54 (11): 1634-1642. Eng. Sum. Nov 1975

040174 410 R92
New representatives and key to Palearctic species of the genus Erigorgus (Hymenoptera, Ichneumonidae). (Rus) Atanasov, A Z *Zool Zh* 54 (10): 1480-1487. Eng. Sum. Oct 1975

040175 410 R92
New species of chiggers (Acariformes, Trombiculidae) from bats in Iran. (Rus) Kudriashova, N I *Zool Zh* 54 (10): 1562-1565. Eng. Sum. Oct 1975

040176 410 R92
New species of the genus Protracheoniscus (Isopoda, Oniscoidea). (Rus) Borutskii, E V *Zool Zh* 54 (12): 1783-1796. Eng. Sum. Dec 1975

040177 410 R92
Palearctic species of the Lonchaea corticis group (Diptera, Lonchaeidae) [New taxa]. (Rus) Kovalev, V G *Zool Zh* 54 (11): 1648-1655. Eng. Sum. Nov 1975

040178 410 R92
Revision of the Stenamma species (Hymenoptera, Formicidae) from the USSE [New taxa]. (Rus) Arnol'di, K V *Zool Zh* 54 (12): 1819-1829. Dec 1975

040179 410 R92
Two new to USSR fauna genera of Oniscomorpha (Diplopoda), found in Transcaucasia and their zoogeographical connections. (Rus) Golovach, S I *Zool Zh* 54 (10): 1566-1571. Maps. Ref. Eng. Sum. Oct 1975

040180 410 R92
Wing venation of click-beetles (Coleoptera, Elateridae) and its importance for taxonomy of the family. (Rus) Dolin, V G *Zool Zh* 54 (11): 1618-1633. Ref. Eng. Sum. Nov 1975

APICULTURE AND SERICULTURE

040181 424.8 AB39
Accomplishments of apiculture in the United States of America. (Fre) Morse, R *Abeilles & Fleurs* 255: 3-5. Dec 1975

040182 SF521.A4
The upper beehive entrance, an almost unused friend of honeybee. (Ger) Zikowski, F *Allg Dtsch Imkerztg* 10 (1): 6-11. Jan 1976

040183 SF521.A4
1974 pollination prevention experiment in fruit culture [Apis mellifera, wind]. (Ger) Lampeitl, F *Allg Dtsch Imkerztg* 10 (1): 2-6. Jan 1976

040184 424.8 AM3
Beehive locations and zoning regulations. II. Bailey, N E *Am Bee J* 116 (1): 13-14, 26. Jan 1975

040185 424.8 AM3
Biological control of the African-Brazilian honeybee (Apis mellifera adansonii). Burgett, M; Ambrose, J T *Am Bee J* 116 (1): 22, 26. Jan 1975

040186 424.8 AM3
Honeybee [Apis mellifera] communication. I. Turell, M J *Am Bee J* 116 (1): 17, 20. Jan 1975

040187 424.8 AM3
I'm not afraid of African bees. Morse, R A *Am Bee J* 116 (1): 15-16. Jan 1975

040188 424.8 AM3
Nectar secretion in cotton flowers and its relation to floral visits by honeybees [Apis mellifera]. Moffett, J O; Stith, L S; Burkhardt, C C; Shipman, C W *Am Bee J* 116 (1): 32, 34, 36. Jan 1975

040189 424.8 AM3
Pollination, the honeybee and associated problems. Westbrook, F E *Am Bee J* 116 (1): 18-19. Jan 1975

040190 424.8 AM3
Ward Stanger, extension apiculturist, retires. Laidlaw, H H; Gary, N E *Am Bee J* 116 (1): 12, 20. Jan 1975

040191 SF521.A64
Biology of Melipona beecheii B. (Hymenoptera: Meliponini), a bee of Mexico: an experimental study of caste determination. (Fre) Darchen, R; Delage-Darchen, B *Apidologie* 6 (4): 295-339. Ref. Eng. Sum. 1975

040192 SF521.A64
Contributions to the study of the mating flight of honeybee (Apis mellifica mellifica L.). (Ger) Bottcher, F K *Apidologie* 6 (3): 233-281. Ref. Eng. Sum. 1975

040193 SF521.A64
Contributions to the knowledge of the mating flight of the honeybee (Apis mellifera mellifera L.). (Ger) Bottcher, F K *Apidologie* 6 (3): 233-281. Ref. Eng. Sum. 1975

040194 SF521.A64
Humidity inside the hive and brood activity by the honeybee (Apis mellifica L.) in a flight room. (Ger) Praagh, J P van *Apidologie* 6 (3): 283-293. Ref. Eng. Sum. 1975

040195 SF521.A64
Humidity inside the beehive and brood activity of the honeybee (Apis mellifera L.) in a flight room. (Ger) Praagh, J P van *Apidologie* 6 (3): 283-293. Ref. Eng. Sum. 1975

040196 SF521.A64
Influence of genetic variability on thermoregulation in honeybees [Apis mellifera]. (Ger) Bruckner, D *Apidologie* 6 (4): 361-380. Ref. Eng. Sum. 1975

040197 SF521.A64
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. I. Larva, pupae and native adults. (Fre) Bounias, M *Apidologie* 6 (3): 207-218. Ref. Eng. Sum. 1975

040198 SF521.A64
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. II. Foraging and winter workers. (Fre) Bounias, M *Apidologie* 6 (3): 219-232. Ref. Eng. Sum. 1975

040199 SF521.A64
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. I. Larvae, nymphs and native adults. (Fre) Bounias, M *Apidologie* 6 (3): 207-218. Ref. Eng. Sum. 1975

040200 SF521.A64
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. II. Foraging and wintering workers. (Fre) Bounias, M *Apidologie* 6 (3): 219-232. Ref. Eng. Sum. 1975

040201 448.3 AP5
Detection of aflatoxin B1 in silkworm [Bombyx mori] larvae attacked by an Aspergillus flavus [Fungi] isolate from a sericultural farm. Ohtomo, T; Murakoshi, S; Sugiyama, J; Kurata, H *Appl Microbiol* 30 (6): 1034-111035. Dec 1975

80 AR13
Pollination of fruit trees [by bees]. (Fre) Tasei, J N *Arboric Fruit* 22 (261): 14-15. Nov 1975

040202 424.8 B476
Coordination of apiculture with agriculture in Baden-Wurttemberg [Legislation]. (Ger) Schieferstein, E *Biene* 112 (1): 5-6. Jan 1976

040203 424.8 B476
Forest and out-yard apiculture. I. (Ger) Brust, E *Biene* 112 (1): 23-25. Jan 1976

040204 424.8 B476
Important and current information on foulbrood and acarine disease [of Apis mellifera]. (Ger) Ruhl, *Biene* 112 (1): 17-18, 23. Jan 1976

040205 424.8 B476
Influence of sugar food on the quality of winter honeybees. (Ger) Bode, J *Biene* 112 (1): 13-15. Jan 1976

040206 424.8 B476
We are because of them. IX. [Apiculturists, beekeeping history, Europe]. (Ger) Schwarzel, E *Biene* 112 (1): 19-22. Jan 1976

040207 424.8 B477
Importance of apiculture today. (Ger) Steche, W *Bienenpflege* 1: 2-5. Jan 1976

040208 424.8 B477
The suitable site for bees. II. [Apis mellifera]. (Ger) Hofmann, A *Bienenpflege* 1: 13-14. Jan 1976

040209 424.8 B472
A simple solar extractor [Apiculture]. (Ger) Melicher, K *Bienenvater* 96 (12): 348-349. Dec 1975

040210 424.8 B472
Effects of industrial growth on apiculture. (Ger) Steche, W *Bienenvater* 96 (12): 332-337. Dec 1975

040211 424.8 B472
Frame cabinet with insertable frames [Apicultural equipment]. (Ger) Melicher, K *Bienenvater* 97 (2): 40-44. Feb 1976

040212 424.8 B472
The viruses on the borderline between inanimate and animate nature [Apis mellifera, diseases]. (Ger) Unverfahr, H J *Bienenvater* 97 (2): 44-45. Feb 1976

040213 381 B522
Cyclic nucleotide phosphodiesterase in silkworm [Bombyx mori] characterization of cyclic GMP [guanosine monophosphate] phosphodiesterase. Morishima, I *Biochim Biophys Acta* 410 (2): 310-317. Ref. Dec 18, 1975

040214 424.8 B53
Should there be a warning against large scale professional beekeeping? (Nor) Lunas, T *Birokteren* 91 (8): 156-157. Aug 1975

040215 470 C16D
Factors influencing ovary development of worker honeybees of European and African origin [Apis mellifera adansonii, Apis mellifera ligustica]. Jay, S C *Can J Zool* 53 (10): 1387-1390. Ref. Oct 1975

040216 QH581.A1Z4
The first optic ganglion of the bee [Apis mellifera]. I. Correlation between visual cell types and their terminals in the lamina and medula. Ribi, W A *Cell Tissue Res* 165 (1): 103-111. Ref. 1975

040217 442.8 D49
Developmental compartmentalization in the dorsal mesothoracic disc of Drosophila. Garcia-Bellido, A; Ripoll, P; Morata, G *Dev Biol* 48 (1): 132-147. Ref. Jan 1976

040218 442.8 D49
The control of prepupal puffing patterns in vitro; implications for prepupal ecdysone titres in Drosophilia melanogaster. Richards, G P *Dev Biol* 48 (1): 191-195. Ref. Jan 1976

512 W263
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. I. The species composition and variation of flights. Anasiewicz, A *Ekol Pol* 23 (1): 129-146. Ref. 1975

512 W263
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. Anasiewicz, A *Ekol Pol* 23 (1): 147-162. Ref. 1975

040219 424.8 G19
Scenes, reports and notices from Czechoslovakia. IV. [Apicultyre]. (Ger) Mewes, G *Gart Kleintierzucht, C Imker* 15 (1): 5-7. Jan 1976

040220 424.8 G25
Industrial growth and its harmful influence on apiculture. (Fre) Steche, W *Gaz Apic* 76 (816): 224-228. Nov 1975

040221 424.8 G25
Queen rearing [Apis mellifera, larvae, introduction]. (Fre) Delperee, R *Gaz Apic* 76 (817): 250-254. (Continued) Dec 1975

040222 424.8 G25
Queen rearing [Apis mellifera]. (Fre) Delperee, R *Gaz Apic* 76 (816): 231-235. (Continued) Nov 1975

040223 424.8 G25
Queen rearing [Apis mellifera]. (Fre) Delperee, R *Gaz Apic* 77 (818): 9-12. (Continued) Jan 1976

040224 424.8 G25
The foraging distance covered by honeybees [Apis mellifera, apiculturists, Francois Huber]. (Fre) Mathis, M *Gaz Apic* 76 (816): 229-230. Nov 1975

040225 442.8 G28
Sex determination in bees. IV. Genetic control of juvenile hormone production in Melipona quadrifasciata (Apidae). Kerr, W E; Akahira, Y; Camargo, C A *Genetics* 81 (4): 749-756. Ref. Dec 1975

040226 424.8 G47
Beekeeping in Missouri. Maher, J *Glean Bee Cult* 103 (12): 393, 407. Map. Dec 1975

040227 424.8 G47
Beekeeping in the Papua New Guinea highlands. Rankin, I B *Glean Bee Cult* 103 (12): 387. Dec 1975

040228 26 H27
The effect of environment on beekeeping of Israel. (Heb) Kalman, H *Hassadeh* 56 (2): 259-260. Nov 1975

040229 1 AG84HG
Beekeeping for beginners. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 158, Slightly Rev., 12 P. Aug 1975

040230 424.8 IM43
Bad years for honeybees, years of apprenticeship. (Ger) Bergmeier, J *Imkerfreund* 31 (2): 41-44. Feb 1976

040231 424.8 IM43
Comprehensive report of observations in the summer and fall of 1975. II [Apiculture]. (Ger) Schmitt, M *Imkerfreund* 31 (2): 45-49. Feb 1976

040232 424.8 IM43
Is pure-line breeding or crossbreeding successful? I [Apis mellifera]. (Ger) Hinz, H E *Imkerfreund* 31 (2): 50-52. Feb 1976

SB52.G43F6
Results of research in horticulture and apiculture. (Ger) Schwarz, K G; Funke, W *In Forsch Schule Praxis Festschr 75jahrigen Bestehen Landeslehr- Forschungsanst Wein Gartenbau Neustadt Weinstrasse* P. 116-131. Ref. 1974

040233 SF539.H66
History of honey [Apiculture, production, as a commodity]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 439-488. 1975

040234 SF539.H66
How bees make honey [Apis mellifera]. Maurizio, A *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 77-105. 1975

SF539.H66
Producing various forms of comb honey. Killion, C E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 301-313. 1975

040235 SF539.H66
The beekeeper's part in producing honey [Apiculture]. Smith, F G *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 106-114. 1975

SF539.H66
The flowers honey comes from [Honey plants, varieties, nectar flow, apiculture]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 3-76. Ref. 1975

040236 SF539.H66
The world's honey production [Apiculture]. Crane, E *In Honey: A Comprehensive Survey. E. Crane, ed.* P. 115-153. 1975

040237 QP476.P45
Physiological optics of the fused rhabdom [Apis mellifera]. Bernard, G D *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 78-97. Ref. 1975

QP476.P45
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. Franceschini, N *In Photoreceptor Optics. A. W. Snyder & R. Menzel, eds.* P. 98-125. Ref. 1975

040238 QP623.P7
Biosynthesis of tRNA in the posterior silk gland of Bombyx mori. Siddiqui, M A Q; Chen, G S *In Processing of RNA Report of Symposium* P. 154-164. Ref. 1974 (Pub. 1975)

040239 424.8 IR42
Migration and pollination: the best bees for the job. *Ir Beekeep (An Beacaire)* 29 (12): 279-280 Dec 1975

040240 424.8 IR42
Working with hives [Apiculture]. Kerney, J M *Ir Beekeep (An Beacaire)* 29 (12): 271-272. Dec 1975

040241 424.8 J82
A method of separating and monitoring honeybee [Apis mellifera] flight activity at the hive entrance. Erickson, E H; Miller, H H; Sikkema, D J *J Apic Res* 14 (3/4): 119-125. 1975

040242 424.8 J82
Age-survival curves for workers of two eusocial bees (Apis mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. Terada, Y; Garofalo, C A; Sakagami, S F *J Apic Res* 14 (3/4): 161-170. Ref. 1975

040243 424.8 J82
Biology of the spermatozoon of Apis mellifera. I. Influence of diluents and pH [hydrogen-ion concentration]. Camargo, C A de *J Apic Res* 14 (3/4): 113-118. Ref. 1975

040244 424.8 J82
Effect of moving honeybee [Apis mellifera] colonies on their subsequent production and consumption of honey. Moeller, F E *J Apic Res* 14 (3/4): 127-130. 1975

040245 424.8 J82
Flight behaviour studies on diploid drones of Africanized honeybees, Apis mellifera adansonii. Chaud-Netto, J *J Apic Res* 14 (3/4): 137-139. 1975

040246 424.8 J82
Genetic study of aggressiveness of two subspecies of Apis mellifera in Brazil. 2. Time at which the first sting reached a leather ball. Stort, A C *J Apic Res* 14 (3/4): 171-175. 1975

040247 424.8 J82
Natural and instrumental insemination of Apis cerana indicain India. Woyke, J *J Apic Res* 14 (3/4): 153-159. 1975

040248 424.8 J82
Ovary development and egg laying in Apis cerana indica workers. Bai, A R K; Reddy, C C *J Apic Res* 14 (3/4): 149-152. 1975

040249 424.8 J82
Polyploidy in fat-body of honeybees [Apis mellifera] duringlarval growth and development. Lerer, H; Dixon, S E *J Apic Res* 14 (3/4): 105-111. Ref. 1975

424.8 J82
Residues of the insecticides carbaryl and monocrotophos in honeybee [Apis mellifera] colonies. Stanger, W; Winterlin, W *J Apic Res* 14 (3/4): 131-135. Ref. 1975

040250 424.8 J82
Surface electric potentials on worker honeybees [Apis mellifera] leaving and entering the hive. Erickson, E H *J Apic Res* 14 (3/4): 141-147. Ref. 1975

040251 410 J828
The pollinating efficiency of honeybee and bumblebee visits to field bean flowers (Vicia faba L.). Kendall, D A; Smith, B D *J Appl Ecol* 12 (3): 709-717. Ref. Dec 1975

040252 444.8 Z3
Twisted and non-twisted rhabdoms and the significance for polarization detection in the bee [Apis mellifera]. Wehner, R; Bernard, G D; Geiger, E *J Comp Physiol* 104 (3): 225-245. Ref. 1975

040253 420 EN86
Larvae of African allodapine bees. 2. Braunsapis and Nasutapis (Hymenoptera: Xylocopinae). Michener, C D *J Entomol Soc South Afr* 38 (2): 223-242. Ref. Sept 1975

040254 420 EN86
Larvae of African allodapine bees. 3. The genera Allodapula and Eucondylops [New taxa]. Michener, C D *J Entomol Soc South Afr* 38 (2): 243-250. Sept 1975

420 EN86
Mechanical properties of some larval cuticles [Agenius zebra, Bombyx mori]. Hepburn, H R; Levy, H *J Entomol Soc South Afr* 38 (2): 131-140. Ref. Sept 1975

040255 424.8 M474
Use of invert sugar in honeybee feeding. (Hun) Jakus, I *Meheszet* 23 (11): 205. Nov 1975

040256 424.8 N483
Feed pollen supplements [Apis mellifera]. Doull, K M *N Z Beekeep* 37 (4): 27-29. (Continued) Dec 1975

040257 424.8 N483
Honey house design. Walton, G M *N Z Beekeep* 37 (3): 59, 72. Aug 1975

040258 424.8 N483
Pollen supplements. I. Relationships between supplements, pollen and broodrearing. Doull, K M *N Z Beekeep* 37 (3): 49-52. Aug 1975

040259 424.8 N483
1974 queen bee utilisation survey. Walton, G M *N Z Beekeep* 37 (3): 45-48. Aug 1975

040260 1 AG84PRO
Pollination and the honey bee. Westbrook, F E; Bergman, P W; Wearne, R A; U.S. Dept. of Agriculture *PA U S Dep Agric* 1112, 19 P. Map. Ref. Feb 1975

040261 424.8 P298
Let us close the discussion on Varroa infestation [of honeybees]. (Bul) Nedialkov, S *Pchelarstvo* 73 (12): 20-22. 1975

040262 424.8 P298
Meaning of economic indices [Multiple-story beehives in apiculture]. (Bul) Karov, D *Pchelarstvo* 73 (12): 11-13. 1975

040263 424.8 P298
Methods for application of Varoazin [Varroa control, pests, honeybees]. (Bul) Purvulov, B *Pchelarstvo* 73 (12): 22-23. 1975

040264 424.8 P298
Naphthaline for Varroa control [Honeybees, pests]. (Bul) Kunchev, K; Stoimenov, V *Pchelarstvo* 73 (12): 25. 1975

040265 424.8 P298
Vision of the honeybee [Apis mellifera]. (Bul) Stoilov, N *Pchelarstvo* 73 (12): 3-7. 1975

040266 424.8 P295
Apiary complexes and interfarm relations. (Rus) Kolpakov, I *Pchelovodstvo* 9: 1-3. Sept 1975

040267 424.8 P295
Apiculture in the Estonian SSR. (Rus) Kotova, G *Pchelovodstvo* 10: 2-4. Oct 1975

040268 424.8 P295
Artificial gathering places of drones [of honeybees]. (Rus) Bol'shakova, M D *Pchelovodstvo* 9: 19-20. Sept 1975

040269 424.8 P295
Chloretracycline in the organism of the honeybee [Honey contamination with antibiotics]. (Rus) Shakarian, G A; Akopian, Z M; Danielian, S G *Pchelovodstvo* 10: 22. Oct 1975

040270 424.8 P295
Comb disinfection [Apiculture]. (Rus) Smirnov, A M *Pchelovodstvo* 9: 28-30. Sept 1975

040271 424.8 P295
History of apiculture in Georgia [USSR]. (Rus) Makashvili, Z A *Pchelovodstvo* 9: 42-44. Sept 1975

040272 424.8 P295
New information on virus paralysis of bees [Apis mellifera]. (Rus) Poltev, V I; Talpalatskii, P L *Pchelovodstvo* 10: 16-19. Oct 1975

040273 424.8 P295
Possibilities and prospects of apiculture in Talysh. (Rus) Shishikin, E A *Pchelovodstvo* 9: 8-11. Sept 1975

040274 424.8 P295
Problems of apiculture in the steppes of Altai Territory. (Rus) Vorozhbitov, V *Pchelovodstvo* 9: 4-7. Sept 1975

424.8 P295
Removal of venom and productivity of honeybees. (Rus) Bal'zhekas, I *Pchelovodstvo* 10: 27. Oct 1975

040275 424.8 P295
Reproduction of honeybees colonies in Siberia. (Rus) Khmurovich, V P *Pchelovodstvo* 9: 22-23. Sept 1975

040276 424.8 P295
Reserves of the food base [Apiculture]. (Rus) Repnevskii, V V *Pchelovodstvo* 10: 12-13. Oct 1975

040277 424.8 P295
Selection of Armenian yellow bees [Apis mellifera, breeding, races]. (Rus) Markosian, A A; Akopian, N M; Abgarov, B G *Pchelovodstvo* 9: 21-22. Sept 1975

040278 424.8 P295
The hearing of bees [Apis mellifera]. (Rus) Es'kov, E K *Pchelovodstvo* 9: 24-25. Sept 1975

040279 424.8 P295
The scent gland in foraging bees [Apis mellifera]. (Rus) Lebchenko, I A; Shalimov, I I *Pchelovodstvo* 9: 26-27. Sept 1975

040280 424.8 P295
Therapeutic preparations for Varroa disease control [Apis mellifera]. (Rus) Smirnov, V M *Pchelovodstvo* 10: 19-21. Oct 1975

040281 424.8 P295
Use of scent guidance in apiculture. (Rus) Kharchenko, E V *Pchelovodstvo* 9: 12-13. Sept 1975

040282 424.8 P295
Variation of external characteristics [Apis mellifera]. (Rus) Petrov, I V *Pchelovodstvo* 10: 8. Oct 1975

040283 424.8 P295
Winter hardiness of bees [Apis mellifera] as a breeding characteristic. (Rus) Krivtsov, N I *Pchelovodstvo* 10: 10. Oct 1975

040284 19.5 P752
A contribution to the study of the length of the poison gland of honeybee workers. (Slo) Rekos, J *Pol'nohospodarstvo* 21 (7): 574-578. Ref. Eng. Sum. 1975

040285 19.5 P752
A study of the relationship between honeybee (Apis mellifera L.) and birdsfoot deervetch (Lotus corniculatus L.). (Slo) Kubisova-Kropacova, S; Nedbalova, V *Pol'nohospodarstvo* 21 (7): 560-567. Ref. Eng. Sum. 1975

20.5 P84
Pesticides and bees [Poisoning]. (Pol) Leski, R *Postepy Nauk Roln* 22 (1): 83-95. 1975

040286 275.29 M313
Honey bee pollination in Manitoba. *Pub (Manit Dep Agric)* 525, Rev., 16 P. 1975

040287 49 P943
Contrbutions to the technology of obtaining reproduction material in Antheraea pernyi (oak silkworm). (Rum) Rosca, O; Rusu, C *Rev Cresterea Anim* 26 (5): 51-55. June 1975

040288 410 R324
Allatectomy in adult bee workers (Apis mellifica). (Ger) Imboden, H; Luscher, M *Rev Suisse Zool* 82 (4): 694-698. Eng. Sum. 1975

040289 SF521.S3
A new orientation in selection [Apis mellifera]. (Fre) Regard, A *Sante Abeille* 36: 111-115. Oct/Dec 1975

040290 SF521.S3
Observations on the behavior of certain ecotypes and hybrids of the Carpathian bee (Apis mellifera carpatica). (Fre) Harnaj, V; Marza, E *Sante Abeille* 36: 116-118. Oct/-Dec 1975

040291 424.8 SCH9
Apiculture in Ticino during the past centuries. (Ger) Bernardi, F *Schweiz Bienen-Zeitung* 99 (1): 7-15. (Continued) Jan 1976

040292 424.8 SCH9
Change in numerical strength of the bee colony. IV. Interplay of laying activity of the queen and the emergence rate and longevity of workers (Apis mellifera L.). (Ger) Wille, H; Gerig, L *Schweiz Bienen-Zeitung* 99 (1): 16-25. Jan 1976

040293 424.8 SCO8
American foul brood [Bees]. *Scott Beekeep Scott Beekeep Assoc* 52 (11): 178. Nov 1975

040294 424.8 SCO8
Beekeeping for beginners. Guilliford, R B *Scott Beekeep Scott Beekeep Assoc* 52 (11): 174. Nov 1975

040295 424.8 T43
Disease in queen [honey] bees and events influencing disease in the family. (Dan) Skou, J P *Tidsskr Biavl* 109 (11): 181-185. Ref. Nov 1975

040296 424.8 T43
Is there a risk with commercial feed [for honey bees?]. (Dan) Hammer, B *Tidsskr Biavl* 109 (10): 168-169. Oct 1975

040297 QH573.T5
Ultrastructural analysis of the freeze-etched spore envelope of the microsporidian, Nosema apis Zander [Disease of honeybee]. Liu, T P *Tissue Cell* 7 (4): 613-618. 1975

040298 424.8 C33
Dr. F. X. Zivansky, the founder of organized apiculture in Moravia. (Cze) Skrivanek, J *Vcelarstvi* 28 (10): 234. Oct 1975

040299 424.8 C33
Drone laying of [honeybee] queens. (Cze) Sevcik, L *Vcelarstvi* 28 (11): 250-251. Nov 1975

040300 424.8 C33
Formation of the winter cluster of honeybees. (Cze) Sevcik, L *Vcelarstvi* 28 (10): 230. Oct 1975

040301 424.8 C33
Heat in the life of honeybees. (Cze) Vrana, J *Vcelarstvi* 28 (11): 254-255. Nov 1975

040302 424.8 C33
How does the bee see? [Apis mellifera]. (Cze) Sidlof, F *Vcelarstvi* 28 (11): 248-249. Nov 1975

040303 424.8 C33
How we ensured a pollination service [using honeybee colonies] in Opava. (Cze) Vecerek, J *Vcelarstvi* 28 (11): 244-245. Nov 1975

040304 424.8 C33
Influence of biological factors on the development of honeybee colonies. (Cze) Rehacek, V *Vcelarstvi* 28 (11): 246. Nov 1975

040305 424.8 C33
Our knowledge of [honeybee] queen breeding. (Cze) Kraus, V *Vcelarstvi* 28 (10): 228-229. Oct 1975

040306 424.8 C33
Protection of honeybee colonies from pests. (Cze) Nedbalova, V *Vcelarstvi* 28 (10): 233. Oct 1975

040307 424.8 C33
Rationalization for high honey yields [Apiculture]. (Cze) Konopik, B *Vcelarstvi* 28 (10): 224-225. Oct 1975

040308 424.8 C33
Role of beekeepers in the district breeding of bees [Apis mellifera]. (Cze) Loula, V *Vcelarstvi* 28 (10): 226-227. Oct 1975

040309 424.8 C33
We evaluate the 1975 beekeeping year. (Cze) Haragsim, O *Vcelarstvi* 28 (10): 218-219. Oct 1975

040310 41.9 C333
Effect of protein food on the multiplication of protozoon Nosema apis Z. [Bee diseases]. (Cze) Peroutka, M *Vet Med (Prague)* 20 (6): 373-384. Ref. Eng. Sum. June 1975

040311 41.8 V6426
Prophylaxis of Nosema disease of honeybees. (Rus) Gaponova, V S; Mel'nik, V N *Veterinariia (Mosk)* 9: 80-82. Sept 1975

040312 49 Z65
Testing the influence of centrifuging silkworm eggs on some biological characters and technological qualities of silkwork (Bombyx mori L.) cocoons. (Bul) IAnkov, A IA; Petkov, N; Iolov, A *Zhivotnovud Nauki* 12 (3): 90-97. Eng. Sum. 1975

AGRICULTURAL ENGINEERING

040313 58.8 D482
A contribution to determining the forces used by drinking calves to the front wall of the single box and during the shift. (Ger) Bildt, K; Eisenreich, M; Grittner, W *Agrartechnik* 25 (8): 392-394. Aug 1975

040314 58.8 D482
Air conditioning of young swine cages. (Ger) Weiss, A *Agrartechnik* 25 (8): 386-387. Aug 1975

040315 58.8 D482
Barn climate and animal output. (Ger) Kaul, P; Winter, U *Agrartechnik* 25 (10): 478-480. Oct 1975

040316 58.8 D482
Climate and ventilation in livestock barns. (Ger) Kaul, H G *Agrartechnik* 25 (10): 475-477. Ref. Oct 1975

040317 58.8 D482
Constructional design of the front walls of rearing stalls with large trough for sows with litter. (Ger) Grittner, W; Bildt, K *Agrartechnik* 25 (10): 510-512. Oct 1975

040318 58.8 D482
Energy and economic problems of air conditioning in plants for industrialized fattening. (Ger) Holitschek, H *Agrartechnik* 25 (10): 473-474. Oct 1975

040319 58.8 D482
Forced ventilation of a pit silo for winter storage of potatoes. (Ger) Knaack, H *Agrartechnik* 25 (10): 500-501. Oct 1975

040320 58.8 D482
Further rationalization of power comsumption, a decisive task for the fulfilment of the national economic plan also in the field of agriculture [East Germany]. (Ger) *Agrartechnik* 25 (10): 471-472. Oct 1975

040321 58.8 D482
Measures for economical fuel consumptions in the plant production cooperative "Karl Marx" Glauchau. (Ger) Schobel, J *Agrartechnik* 25 (10): 481, 493. Oct 1975

040322 58.8 D482
On securing the function of large industrial dairy cattle plants [Barns]. (Ger) Kaul, H G *Agrartechnik* 25 (8): 380-383. Aug 1975

040323 58.8 D482
Optimation of stand-by power packs [Electric energy, animalproduction]. (Ger) Rossner, H; Fitzthum, H *Agrartechnik* 25 (10): 489-491. Oct 1975

040324 58.8 D482
Optimun air conditioning in animal production plants. (Ger) Maltry, W *Agrartechnik* 25 (8): 383-385. Aug 1975

040325 58.8 D482
Organized cooperation between building and equipment enterprises when preparing and erecting industrial animal and plant production units. (Ger) Schroder, H; Burr, P; Rissmann, E *Agrartechnik* 25 (8): 367-369. Aug 1975

040326 58.8 D482
Project-planning as a vital prerequisite to the erection of plants [Agricultural engineering]. (Ger) Vollbrecht, G *Agrartechnik* 25 (10): 488-489. Oct 1975

040327 58.8 D482
Random formation of measuring chains in the construction of agriculural engineering plants. (Ger) Didik, H *Agrartechnik* 25 (8): 388-389. Aug 1975

040328 58.8 D482
Self-cleaning of drinking vessels by feed chains rotating horizontally. (Ger) Sandler, K *Agrartechnik* 25 (8): 389-391. Aug 1975

040329 58.8 D482
Suggestions for the construction of the tying shed type L 203 accomodating 200 dairy cattle. (Ger) Zimmermann, G; Rader, E *Agrartechnik* 25 (8): 370-373. Aug 1975

040330 58.8 D482
The use of construction methods for preparing decision making in technological projects [Swine houses]. (Ger) Mittag, U; Dowe, H *Agrartechnik* 25 (8): 394-397. Aug 1975

040331 58.8 D482
The use of visible and invisible radiation lamps in agriculture. (Ger) Ribbecke, H *Agrartechnik* 25 (10): 491-493. Oct 1975

040332 58.8 D482
Training of specialist electricians [for agriculture]. (Ger) Leppchen, R *Agrartechnik* 25 (10): 486-487. Oct 1975

040333 S19.A32
Engineering aspects of dryland farming. Shrivastava, N C *Agric Agroind J* 8 (2/8): 19-21. Aug 1975

040334 281.9 IN23
Energy requirements in new agricultural technology. Singh, B; Singh, L R; Kulshrestha, S P; Singh, R V *Agric Situation India* 30 (3): 143-146. June 1975

040335 14 AG823
Uderground heating of crops and solar energy storage. (Fre) Rosella, E *Agriculture (Paris)* 391: 308-309. Nov 1975

040336 470 SI2
Agricultural production and energy resources [Fuels]. Heichel, G H *Am Sci* 64 (1): 64-72. Ref. Jan/Feb 1976

040337 18 G31
Function oriented location for buildings, a prerequisite for cost saving production, adaptability and further expansion of farms. (Ger) Herms, A *Ber Landwirtsch (Hamburg)* (New Ser.) 53 (2): 328-329. Oct 1975

040338 58.9 F843B
Concerning false documentation which submerges us [Agricultural engineering]. (Fre) Carillon, R *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 1-5. Nov 1975

040339 58.9 F843B
Electric fences in agriculture. (Fre) Simondon, J *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 41-52. Ref. Nov 1975

040340 58.9 F843B
Electric fences at the International Show of Agricultural Machinery, March 1975. (Fre) Simondon, J *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 53-56. Nov 1975

040341 275.9 SCH9
General meeting of the Swiss Association of Agronomic and Food Engineers on May 30 and 31, at Morat. (Ger) *Bull Schweiz Verb Ing Agron* 42 (174), 39 P. May 1975

040342 80 C498
How solar energy can benefit agriculture [Greenhouses]. Woods, C *Citrus Veg Mag* 39 (2): 8, 35. Oct 1975

040343 57.8 C734
How Taiwan homestead farmers make methane [gas] work for them. Logsdon, G *Compost Sci* 16 (5): 30. Autumn 1975

040344 57.8 C734
Methane [gas] generation on a farm. Wolf, R *Compost Sci* 16 (5): 28-29. Autumn 1975

040345 80 C83
Oblivion for Soane's cow barn? Du Prey, P de la R *Ctry Life* 159 (4097): 84. Jan 8, 1976

040346 44.8 D1443
Paddock subdivision with electric fences. Pollock, A *Dairyfarm Dig* 22 (3): 6-8. Winter 1975

040347 58.8 T677
Renovating and laying wooden floors. (Ger) Ober, J *DLZ (Die Landtech Z)* 26 (12): 840, 842. Dec 1975

040348 58.8 T677
When the barn sweats, that is from the dripping cover. (Ger) Mittrach, B *DLZ (Die Landtech Z)* 26 (12): 833-834. Dec 1975

040349 412.628 N21
Ranch facilities planning basic construction reasoning [Chinchillas housing]. Harris, R S *Empress Chinchilla Breeder* 31 (13): 11-13. Dec 1975

040350 TX341.F3
Buildings for a dairy herd at Coolnakilla. Kavanagh, A J *Farm Food Res* 6 (5): 103-104. Sept/Oct 1975

040351 1 AG84F
Roofing farm buildings. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2170, Slightly Rev., 28 P. June 1975

040352 80 W41
Energy conservation for greenhouses. White, J W *Florists Rev* 157 (4063): 27-28, 79-82. Oct 16, 1975

040353 80 G1948
Demands on the automation of industrial greenhouse units. (Ger) Heissner, A; Schinowsky, H *Gartenbau* 22 (11): 333-335. Nov 1975

040354 80 G1938
Temperature distribution in storage. (Nor) Roer, P *Gartneryrket* 65 (26/27): 466-468. July 4, 1975

040355 TA710.A1G4
Field [soil] testing to evaluate stone column performance in a seismic area [Sewage treatment plant]. Englehardt, K; Golding, H C *Geotechnique* 25 (1): 61-69. Mar 1975

040356 TA710.A1G4
Performance of an embankment supported by stone columns in soft ground. McKenna, J M; Eyre, W A; Wolstenholme, D R *Geotechnique* 25 (1): 51-59. Mar 1975

040357 TA710.A1G4
Performance of culvert under Winscar dam. Penman, A D M; Charles, J A; Nash, J K T L; Humphreys, J D *Geotechnique* 25 (4): 713-730. Dec 1975

040358 TA710.A1G4
Seismic stability of earth dams and embankments. Sarma, S K *Geotechnique* 25 (4): 743-761. Ref. Dec 1975

040359 290.8 G362
Noninserted cast-iron pipes for reclamation construction works. (Rus) Kopel'man, I A; Kozlova, T I; Kozochkin, V K *Gidrotekh Melior* 6: 61-62. June 1975

040360 290.8 G362
The effect of construction parameters on the strength of flexible [irrigation] pipes. (Rus) Dasov, G M; Manychev, V F *Gidrotekh Melior* 6: 53-55. June 1975

040361 290.8 G362
The experience of operating pump units on the [irrigation] canal Irtysh-Karaganda. (Rus) Novoderezhkin, R A *Gidrotekh Melior* 6: 50-53. June 1975

040362 290.8 G362
The reservoir on the Karadarya River [Dam structure, irrigation]. (Rus) Vishnevskii, N *Gidrotekh Melior* 8: 11-13. Aug 1975

040363 290.8 G362
The ways of economizing material and technical resources in reclamation construction [through mechanization and proper organization]. (Rus) Boiko, I F *Gidrotekh Melior* 8: 1-6. Aug 1975

040364 17 SCH9
Building associations promote building by farmers themselves [Switzerland]. (Ger) Wartenweiler, H *Grune* 103 (52): 5-10. Dec 26, 1975

040365 26 H27
Items discussed by the team for plastic-covered buildings. (Heb) Harkavi, Y *Hassadeh* 56 (2): 269-274. Nov 1975

040366 26 H27
Solar energy in the service of agriculture. (Heb) Segal, Y; Pasternak, Y *Hassadeh* 56 (2): 280-284. Nov 1975

040367 26 H27
Use of solar radiation for agricultural production. (Heb) Stanhill, J *Hassadeh* 56 (2): 284-292. Ref. Nov 1975

040368 SB1.H6
An experimental greenhouse soil temperature control system. Stephens, L C; Widmer, R E; Flikke, a M *Hortsci* 10 (6): 603-605. Ref. Dec 1975

040369 100 IL64
Professor Lehmann's "mile-line" put electricity on Illinois farms. Dahl, D T; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 6-7. Fall 1975

040370 100 IL64
Relative costs of wall construction for underfloor manure-storage tanks [for a confinement swine unit]. Huhnke, R L; Curtis, J O; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 8-9. Fall 1975

040371 20 M57AG
Introduction of a uniform system for controlling the microclimate in animal production units. (Ger) Petkov, G; Bajkov, B *Int Z Landwirtsch* 5: 567-571. 1975

040372 20 M57AG
Pesticide storage houses ready to serve agrochemical operations [Building designs]. (Ger) Kastanek, C *Int Z Landwirtsch* 6: 650-652. 1975

S544.3.K4K42
Planning dairy calf housing. Duncan, G A; Turner, G M; Nicolai, J H; LaBore, D E; Kentucky University Cooperative Extension Service *Interdep Publ ID Univ Ky Coop Ext Serv* 15, 7 P. Mar 1975

040373 16 IT1
Structures for plant production. 2. [Storage, fruit, vegetables]. (Ita) Pratelli, G *Ital Agric* 112 (9): 70-87. Sept 1975

040374 16 IT1
Structures for plant production. 1. [Greenhouses, designs]. (Ita) Pratelli, G *Ital Agric* 112 (6): 47-64. June 1975

040375 44.8 SO12
Developments in parlour and rotary milking systems—a critical assessment. Ross, S A *J Soc Dairy Technol* 29 (1): 25-31. 1976

11 L2322
Cattle housing: insulated—not insulated. (Dan) Mortensen, B *Landbo Nyt* 29 (7): 416, 418, 420, 422, 424, 426. July 1975

040376 105.1 G344
Full air-conditioning of animal houses some basic aspects. Nicolaus, A *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1511-1519. 1974

040377 41.8 M742
Automatic air conditioning in swine houses. (Ger) Wompner, W; Seng, W *Monatsh Veterinarmed* 30 (15): 561-564. Eng. Sum. Aug 1, 1975

040378 41.8 M742
Theoretical engineering aspects of microclimate in stables. (Ger) Klink, G *Monatsh Veterinarmed* 30 (15): 568-572. Ref. Eng. Sum. Aug 1, 1975

040379 23 N48J
Low-cost fencing: ways with electric [fence] units. Weston, L H *N Z J Agric* 131 (6): 3, 5-8. Dec 1975

040380 23 N48J
Low-cost fencing: is it worth while? [Fences, costs]. Withell, B *N Z J Agric* 131 (6): 9, 11-13. Dec 1975

412.628 N812
Designing the pelting room [Skinning fur-bearing animals]. (Nor) *Nor Pelsdyrbl* 49 (10): 409-412. Oct 15, 1975

040381 SF481.N68
One instrument of the energy revolution: the hot air pump [for buildings]. (Fre) Beuzit, G *Nouv Avic* 14 (235): 21-22, 24, 26. Sept 15, 1975

040382 QK901.A1O3
Study of supplementary lighting in greenhouses. Technical characteristics of some lighting installations. (Fre) Boyer, Y; Parcevaux, S de; Guillaume, E *Oecol Plant* 10 (3): 233-250. Ref. Eng. Sum. 1975

040383 157.8 R29
Excavated sediment traps prove superior to dammed ones. Tryon, C P; Parsons, B L; Miller, M R *PB U S Natl Tech Inf Serv* 245100: 2-42-2-51. 1976

040384 58.8 P872
Controlled environment is there such a thing? [Buildings]. Barrett, M *Power Farming* 54 (10): 25, 27. Oct 1975

040385 S613.A1T8
Energy options for the future: "The energy crisis" [Fuel]. Jones, D L *Proc Turfgrass Sprinkler Irrig Conf* 13th: 1-4. 1975

6 T311
Can agriculture provide an answer to the U.S. Energy crisis? [Fuel]. Scruggs, C G *Prog Farmer (Birmingham)* 90 (11): 21-22. Nov 1975

040386 81 AM398
Build your own mist [propagation] control [Designs]. Berg, W *Q Bull Am Rhodod Soc* 30 (1): 41-43. Winter 1976

040387 49 P943
Several systems of tethering and untethering cattle and their expedient use in cattlesheds [Housing system]. (Rum) Mihail, P *Rev Cresterea Anim* 25 (7): 44-58. July 1975

040388 80 SA15
Technology—the manufacture of electric heating elements on a plastic base [Grapes, culture]. (Rus) Tikhvinskii, I N; Landa, L Sh; Butin, IU G *Sadovod Vinograd Vinodel Mold* 8: 50-53. Aug 1975

040389 49 T443
Body measurements of swine as a basis for suitable stall and pen designs. (Ger) Klatt, G; Glende, P; Brauer, P *Tierzucht* 29 (9): 420-422. Sept 1975

040390 80 T817
Concrete partitions and enclosures [Horticulture]. (Dut) Smet, R de *Tuinbouwberichten* 39 (9): 350-351. Sept 1975

040391 41.8 V6439
Technology of housing individual categories of swine on our industrialized farms. (Cze) Zeman, J *Veterinarstvi* 25 (5): 208-211. 1975

040392 20 V82
Efficiency of enamel varnish insulation on stator windings during operation of electric pumps in water [Farm equipment]. (Ukr) Taran, V P; IEvlant'iev, V A *Visn Sil's'kohospod Nauki* 10: 18-21. Oct 1975

040393 20 V82
Flooring for housing of breeding bulls. (Ukr) Savchuk, D I; Havrylenko, M S; Tkachuk, V I *Visn Sil's'kohospod Nauki* 10: 81-85. Oct 1975

040394 56.8 W28
Construction of the network of country roads in the German Federal Republic [Maintenance]. (Ger) Ott, R *Wasser & Boden* 27 (3): 43-45. Mar 1975

040395 56.8 W28
Effects of water on country road construction. (Ger) Kohne, K H *Wasser & Boden* 27 (3): 51-53. Mar 1975

040396 56.8 W28
Thoughts and suggestions for the construction of country roads. (Ger) Schmidt, J *Wasser & Boden* 27 (3): 46-48. Mar 1975

FARM EQUIPMENT

040397 S760.A75A35
Agricultural engineering and productivity [Farm mechanization]. Harrington, R E *A M A (Agric Mech Asia)* 6 (2): 41-48. Ref. Autumn 1975

040398 S760.A75A35
Agricultural technique in India as example of a development[Mechanization of farming]. Segler, G *A M A (Agric Mech Asia)* 6 (2): 76-82. Maps. Ref. Autumn 1975

040399 S760.A75A35
Agriculture and mechanization in West Africa and South-East Asia: a comparison. Curfs, H P F; Boshoff, W H *A M A (Agric Mech Asia)* 6 (2): 38-40. Ref. Autumn 1975

040400 S760.A75A35
Green revolution with or without tractors: the case of Sri Lanka. Ahmed, I *A M A (Agric Mech Asia)* 6 (2): 86-90. Autumn 1975

040401 S760.A75A35
Level of tractor power utilization on different operations [Farm mechanization]. Singh, K N; Singh, P N *A M A (Agric Mech Asia)* 6 (2): 72-75. Autumn 1975

040402 S760.A75A35
Outline of the policy for the development of agricultural machinery in Viet-Nam. Vo-Sang-Nghiep, *A M A (Agric Mech Asia)* 6 (2): 103-104. Autumn 1975

040403 S760.A75A35
Progress on the establishment of the ACAM [Asian Centre for Agricultural Machinery]. Kobayashi, K *A M A (Agric Mech Asia)* 6 (2): 32-37. Autumn 1975

040404 S760.A75A35
Summary report on agricultural mechanization and development in indigenous farm machinery production in Thailand. Chakkaphak, C *A M A (Agric Mech Asia)* 6 (2): 99-102. Autumn 1975

040405 S760.A75A35
The reorientation of agricultural mechanization for the developing countries. 1. Policies and attitudes for action programs. Giles, G W *A M A (Agric Mech Asia)* 6 (2): 15-25. Ref. Autumn 1975

040406 14 P215BC
Current thoughts after the 46th International Show of Agricultural Machinery. (Fre) Bustarret, J *Acad Agric Fr C R Seances* 61 (7): 395-402. 1975

040407 S16.H8A32
Analysis of the Diesel motor noise of tractors in a brake room. (Hun) Varga, V *Agrar Tud Egy Kozl (Godollo)* P. 491-499. 1974

040408 S16.H8A32
Determination of parameters having an influence on the behaviour of blown rubber types in the field. (Hun) Komandi, Gy *Agrar Tud Egy Kozl (Godollo)* P. 477-489. 1974

040409 S16.H8A32
Effect of the dynamics of the squirting process on the operation of the Diesel engine. (Hun) Vas, A *Agrar Tud Egy Kozl (Godollo)* P. 501-514. 1974

040410 S16.H8A32
Static test of safety boxes and protective framings on agricultural tractors. (Hun) Huszar, I; Csorba, L *Agrar Tud Egy Kozl (Godollo)* P. 423-438. Eng. Sum. 1974

040411 58.8 D482
Additional signal system for the district sprinkling machine FREGAT. (Ger) Frielinghaus, M; Sandek, L; Baurigk, G; Weisshaupt, F; Wittenberg, K H; Iven, M von *Agrartechnik* 25 (11): 539-541. Nov 1975

040412 58.8 D482
Availability criterion of process evaluation [Dairy equipment]. (Ger) Latzsch, D; Pietzsch, J; Wille, K *Agrartechnik* 25 (8): 374-376. Aug 1975

040413 58.8 D482
Causes of failure and characteristics of reliability of four-cycle diesel engines selected for vehicles. (Ger) Stibbe, J *Agrartechnik* 25 (11): 552-555. Nov 1975

040414 58.8 D482
Conclusions from and accident in the district of Rostock [Use of electric equipment, animal production]. (Ger) Rauchenecker, H *Agrartechnik* 25 (10): 495-496. Oct 1975

040415 58.8 D482
Current standards and trends of deveopment of the specialized farm machinery repair service in the USSR. (Ger) Nawarsadjan, G *Agrartechnik* 25 (10): 514-515. Oct 1975

040416 58.8 D482
Damage to electrical equipment in buildings constructed of wood must be prevented. (Ger) Greil, O *Agrartechnik* 25 (10): 493. Oct 1975

040417 58.8 D482
Defining terms of technical identification [Equipment]. (Ger) Wohllebe, H *Agrartechnik* 25 (9): 438-439. Sept 1975

040418 58.8 D482
Demands expected of the repair and testing service for electrical machinery. (Ger) Trumper, K *Agrartechnik* 25 (10): 482-484. Oct 1975

040419 58.8 D482
Determination of the manufacturing tolerance from the maintenance point of view [Equipment]. (Ger) Eichler, C *Agrartechnik* 25 (9): 453-454. Sept 1975

040420 58.8 D482
Determination of confidence intervals for consumption indexes of spare parts using a method of mathematical statistics [Equipment]. (Ger) Petershon, H J *Agrartechnik* 25 (9): 459-462. Ref. Sept 1975

040421 58.8 D482
Distribution of irrigation by line sprays and circular sprinklers. (Ger) Hummel, H G *Agrartechnik* 25 (10): 502-504. Oct 1975

040422 58.8 D482
Experiences with and instructions on, the erection and operation of very high frequency radio networks [Agriculture]. (Ger) Schadeberg, S *Agrartechnik* 25 (11): 530-532. Nov 1975

040423 58.8 D482
Horizontal screen-conveyor centrifuges on the egg production farms. (Ger) Hildebrand, F *Agrartechnik* 25 (10): 512-513. Oct 1975

58.8 D482
Improved quality of wilted silage using a swath fan. (Ger) Knaack, H *Agrartechnik* 25 (11): 541-542. Nov 1975

040424 58.8 D482
Improving the material-technical supply of socialist farms by centralized stock keeping [Equipment]. (Ger) Schutze, A; Wonneberger, M *Agrartechnik* 25 (11): 535-537, 542. Nov 1975

040425 58.8 D482
Increasing the service life of machines repaired, and important contribution to saving in materials. (Ger) Eichler, C *Agrartechnik* 25 (9): 432-434. Sept 1975

040426 58.8 D482
Increasing the working life of roller chains. (Ger) *Agrartechnik* 25 (8): 411. Aug 1975

040427 58.8 D482
Intervals of oil renewal and filter cleaning when using rotamol MD 302 in the engine JaMZ 238 NB of the K-700 tractor. (Ger) Gohner, G *Agrartechnik* 25 (9): 429-430. Sept 1975

040428 58.8 D482
"Multicar 24" operating motor car, its modifications and fields of application. (Ger) Claussner, W; Weller, F *Agrartechnik* 25 (8): 408-411. Aug 1975

040429 58.8 D482
Noise reduced in the agricultural machinery district services of Zerbst. (Ger) Munzenberg, G *Agrartechnik* 25 (11): 538-539. Nov 1975

040430 58.8 D482
Pork production on conveyor belt. (Ger) Engel, G; Witzke, S *Agrartechnik* 25 (8): 397-399. Aug 1975

040431 58.8 D482
Possibilities of increasing the limit service life of motors and motor components by good maintenance and servicing, as well as by operative elimination of damage. (Ger) Richter, H *Agrartechnik* 25 (9): 428-429. Sept 1975

040432 58.8 D482
Properties, fields and limits of applying maintenance methods [Equipment]. (Ger) Schiroslawski, W *Agrartechnik* 25 (9): 455-458. Sept 1975

040433 58.8 D482
Repair of electric motors for agriculture. (Ger) Volzke, W *Agrartechnik* 25 (10): 484-486. Oct 1975

040434 58.8 D482
Shortcommings in management work causes accidents [Use of electric equipment]. (Ger) Cron, H J *Agrartechnik* 25 (10): 494-495. Oct 1975

040435 58.8 D482
Test rooms for agricultural machines. (Ger) Zimmer, E; Wustefeld, M *Agrartechnik* 25 (9): 444-447. Sept 1975

040436 58.8 D482
Testing sets to be used in technical identification [Equipment]. (Ger) Ritzmann, F; Bormann, G *Agrartechnik* 25 (9): 447-448. Sept 1975

040437 58.8 D482
The agricultural machine log book—a necessity for industrial production. (Ger) Borrmann, K; Hidde, B *Agrartechnik* 25 (9): 426-427. Sept 1975

040438 58.8 D482
The influence of driving methods on the stresses to which tractor parts are subjected. (Ger) Puls, E *Agrartechnik* 25 (10): 496-497. Oct 1975

040439 58.8 D482
The present status of testing measuring instruments in machinery maintenance. (Ger) Schwarz, K; Puttich, W *Agrartechnik* 25 (9)-:436-437. Sept 1975

040440 58.8 D482
The present status and prospects of development of the mobile distribution of liquid manure [Equipment]. (Ger) Kreiss, K; Koriath, H *Agrartechnik* 25 (11): 558-560. Nov 1975

040441 58.8 D482
The role of agricultural machinery district services in the reproduction process of plant production and conclusions to be drawn for maintenance planning. (Ger) Zierold, R *Agrartechnik* 25 (11): 533-534. Nov 1975

040442 58.8 D482
The technical care of machine chains operated in the season. (Ger) Scharf, U *Agrartechnik* 25 (9):423-426. Sept 1975

040443 58.8 D482
The technical identification of machines in agriculture. (Ger) Michlin, V M *Agrartechnik* 25 (9): 439-443. Sept 1975

040444 58.8 D482
To avoid accidents at work with E 280 forage harvester. (Ger) Arfert, G *Agrartechnik* 25 (8): 404. Aug 1975

040445 58.8 D482
Transporting agricultural personnel by means of the new product of integration Ikarus/IFA bus. (Ger) Peter, A *Agrartechnik* 25 (11): 551-552. Nov 1975

040446 58.8 D482
Use of plastics in the Repair of agricultural machines. (Ger) Manthey, W *Agrartechnik* 25 (9): 430-431. Sept 1975

040447 58.8 D482
Valuation of computation models to determine leakage losses of gear pumps [Equipment]. (Ger) Hlawitschka, E *Agrartechnik* 25 (10): 507-510, 515. Oct 1975

040448 58.8 D482
Work with the personal creativity of engineers at the state farm Weimar, agricultural machinery. (Ger) Volker, E *Agrartechnik* 25 (8): 405. Aug 1975

040449 15 AG84
Conbine harvesting of cereals. (Spa) Oliver, V *Agricultura (Madr)* 44 (519): 556-558. July 1975

040450 15 AG84
Farm equipment at the agricultural fair. (Spa) Miguel Diez, A de *Agricultura (Madr)* 44 (517): 355-356. May 1975

040451 19.5 AG8
Development of production of equipment and machines for feed preparation [in Slovakia] up to 1918. (Slo) Gergelyi, O *Agrikultura* 13: 99-124. Ref. 1975

040452 19.5 AG8
Development of planting machine production in Slovakia up to 1918. (Slo) Gergelyi, O *Agrikultura* 13: 125-155. Ref. 1975

040453 49 F84
Equipment for total collection of feces from lambs during suckling or fattening and for ewes. (Fre) Tissier, M; Bechet, G; Molenat, G; Dacheaux, P; Maquere, M *Ann Zootech* 24 (3): 595-602. Eng. Sum. 1975

040454 TC521.A8
Guidelines for the selection of turbine pump materials for use in groundwaters [Irrigation equipment, water supply]. Kelly, G J; Kemp, R G *Aust Water Resour Counc Tech Pap* 14, 49 P. Maps. 1975

040455 18 G31A
Measurements of the influence of certain parameters of teat cup design used in the nonpulsating milking system, and variations in milk yield when alternating between this system and the pulsating system. (Ger) Mejer, G J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 119-137. Eng. Sum. 1975

040456 18 G31A
Milking without pulsation by means of a jacketed airflow system in single-chamber teat cups (PME [pulsation-free milking] system). (Ger) Tolle, A; Hamann, J *Ber Landwirtsch Sonderh Ger (Fed Repub) Minist Ernahr Landwirtsch Forsten* (New Ser.) 190 (Pt. 1): 72-92. Ref. Eng. Sum. 1975

040457 66.8 B77
Improvements that turned a harvester into a dream machine [Sugarbeets]. Jones, D M *Br Sugar Beet Rev* 43 (3): 148-150. Autumn 1975

040458 66.8 B77
Trials with lightweight sugarbeet toppers. Wayman, J A; Joyce, F W *Br Sugar Beet Rev* 43 (3): 123-125. Autumn 1975

040459 58.9 F843B
A second study of the real cost of agricultural equipment. (Fre) *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 57-67. Nov 1975

040460 58.9 F843B
Effect of cereal mixtures with various moisture content on the indicator of a humidifier. (Fre) Feuilloley, P; Degos, J C *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 37-39. Nov 1975

040461 58.9 F843B
General information on agricultural equipment and agriculture. (Fre) *Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)* 214: 15-30. (Continued) Nov 1975

040462 64.8 C883
Modification of a self-propelled plot combine for harvesting hill plots of soybeans. Carlson, B E; Bandstra, T J; Fehr, W R; Clark, R C *Crop Sci* 15 (6): 869-870. Nov/-Dec 1975

040463 44.8 D1443
Automation of cleaning systems [Milking equipment]. Smith, G *Dairyfarm Dig* 22 (3): 19-21. Winter 1975

040464 58.8 T677
Bolt straps are more than a bit of rubber. (Ger) *DLZ (Die Landtech Z)* 26 (12): 800-801. Dec 1975

040465 58.8 T677
The heavy transporter [Trucks]. (Ger) Estler, M; Schurig, M *DLZ (Die Landtech Z)* 26 (12): 788-791. Dec 1975

040466 58.8 T677
The M 40 Mistral Fella manure spreader. (Ger) *DLZ (Die Landtech Z)* 26 (12): 796. Dec 1975

040467 58.8 T677
The new lighting decree will be in effect January 1, 1976 [Equipment]. (Ger) Holly, L *DLZ (Die Landtech Z)* 26 (12): 799-800. Dec 1975

040468 58.8 T677
The [European] Eastern Bloc knows no competition [Agricultural equipment]. (Ger) Stutzer, D *DLZ (Die Landtech Z)* 26 (12): 802-804. Dec 1975

040469 290.9 M57
Modern agricultural machinery in the service of food industry. (Hun) Lugosi, J *Elelmez Ipar* 29 (10): 317-318. Oct 1975

040470 SB438.A1E8
Constructing a timber propagator [Cacti and succulents, seed trays]. Baker, B *Essex Suc Rev* 12 (4): 70-71. Dec 1975

22 F223
Scheduling irrigation with constant level evaporimeter. Jain, T C *Farm J (Calcutta)* 16 (5): 9-13. Mar 1975

040471 290.8 G362
Mobile sprinklers for the irrigation of sown pastures. (Rus) IAkovenko, V P; Vasilenko, A I *Gidrotekh Melior* 6: 40-42. June 1975

040472 290.8 G362
The main directions in the improvement of the irrigation equipment in the USSR. (Rus) Shumakov, B B; Nosenko, V F; Sheinkin, G IU *Gidrotekh Melior* 7: 100-109. July 1975

040473 290.8 G362
The operation of the Fregat sprinkler in the Dagestan ASSR. (Rus) Bredikhin, N P; Kim, P D; Korolenko, A I *Gidrotekh Melior* 6: 43-46. June 1975

040474 S19.G74
Research and development of farm machinery. Sridharan, C S *Green Revolution* P. 86-90. 1974

26 H27
Materials for cleaning and disinfecting milking machines and udders. (Heb) Lev, B *Hassadeh* 56 (2): 243. Nov 1975

040475 71.8 H413
State and characteristics of mechanization in drug plant culture. (Hun) Varga, I; Trefas, L *Herba Hung* 14 (2/3): 135-149. 1975

040476 HD9000.1.I53
Lettuce head maturity gage [Measuring equipments]. Garrett, R E *Int Conf Handling Perish Agric Commod* 27th: 30. 1975

040477 HD9000.1.I53
Mechanical harvesting, handling and related research [Harvester performance]. Adrian, P A *Int Conf Handling Perish Agric Commod* 27th: 31. 1975

040478 20 M57AG
Development prospects of mechanization of vegetable production. (Ger) Zoldi, I *Int Z Landwirtsch* 5: 581-583. 1975

040479 20 M57AG
Effectiveness of complex mechanization of production processes in animal production. (Ger) Morosow, J *Int Z Landwirtsch* 5: 575-581. 1975

040480 20 M57AG
Mechanization of cattle fattening units. (Ger) Kowaljow, J; Resnik, E *Int Z Landwirtsch* 5: 584-588. 1975

040481 20 M57AG
The high-pressure pick-up baler K453, a new harvesting machine for the baler line. (Ger) Petsche, A *Int Z Landwirtsch* 6: 706-708. 1975

040482 20 M57AG
The international machine system and mechanization of agriculture in the Czechoslovak Socialist Republic. (Ger) Boudny, J *Int Z Landwirtsch* 5: 572-575. 1975

040483 20 M57AG
The KI-4935 tool for the technical diagnosis of tractors. (Ger) Kusnezow, O *Int Z Landwirtsch* 5: 598-599. 1975

040484 20 M57AG
Transportation system in agriculture. (Ger) Knoll, J *Int Z Landwirtsch* 5: 589-592. 1975

040485 22 IN8
Better deal for tractor tyres. Gupta, R R *Inten Agric* 13 (2): 18-21. Apr 1975

040486 16 IT1
A prototype of a machine for the mechanized harvesting of strawberries. (Ita) Papalini, P; Rosati, P *Ital Agric* 112 (6): 115-119. June 1975

040487 16 IT1
Mechanization of agriculture [Research projects, Italy]. (Ita) Liguori, F *Ital Agric* 112 (5): 32-34. May 1975

16 IT1
Mechanized harvesting of plums for processing; results of trials with a prototype [of machinery] constructed by the Institute of Fruit Culture of the University of Bologna. (Ita) Baraldi, G; Costa, G; Sansavini, S *Ital Agric* 112 (6): 100-109. June 1975

040488 8 P832J
Trends in the use of tractor power for sugarcane production in Puerto Rico [Equipment]. Shukla, L N *J Agric Univ P R* 59 (4): 274-278. Ref. Oct 1975

040489 SF601.A5
Depreciation as a factor—is leasing [veterinary] equipment better than purchasing? Judy, J W Jr *J Am Anim Hosp Assoc* 11 (6): 753-755. Nov/Dec 1975

040490 S19.J3
Performance of rice-transplanters as evaluated by national test. Mori, Y *JARQ (Jap Agric Res Q)* 9 (3): 152-155. July 1975

040491 80 K122
Mechanization for peach orchard management. (Jpn) Sato, K *Kajitsu Nippon* 30 (2): 34-39. Feb 1975

040492 SB193.A1L8
The SS-0,5 scarifier [Herbacious legumes, seed processing equipment]. (Rus) Akhlamov, IU *Korma* 2: 42-43. Mar/Apr 1975

040493 11 L2322
Full feed and mechanization in cattle feeding [Equipment]. (Dan) Larsen, J B *Landbo Nyt* 29 (10): 545-548, 550. Oct 1975

040494 11 L2322
[Farm] machine exhibition at the summer cattle show. (Dan) Laursen, N C *Landbo Nyt* 29 (8): 457-479. (13 P. Not Consecutive) Aug 1975

040495 58.8 L2352
Brakes for agricultural vehicles. I. (Dut) Straelen, B C P M van *Landbouwmechanisatie* 26 (9): 995-998. Sept 1975

040496 58.8 L2352
Brakes for agricultural vehicles. II. (Dut) Straelen, B C P M van *Landbouwmechanisatie* 26 (10): 1177-1184. Oct 1975

58.8 L2352
Choice of machines in relation to management of sugarbeet harvest. (Dut) Tanis, T *Landbouwmechanisatie* 26 (10): 1149-1153. Eng. Sum. Oct 1975

58.8 L2352
Choice of milking parlor based on the costs of organization. (Dut) Hop, J *Landbouwmechanisatie* 26 (9): 1029-1034. Eng. Sum. Sept 1975

040497 58.8 L2352
Demonstration of a mechanized straw harvest [Equipment]. (Dut) Elema, H M *Landbouwmechanisatie* 26 (9): 1039-1045. Eng. Sum. Sept 1975

040498 58.8 L2352
Demonstration of implements for grassland improvement at Vriezenveen. (Dut) Andringa, J T; Loo, L van *Landbouwmechanisatie* 26 (10): 1131-1138. Oct 1975

040499 58.8 L2352
Disinfection of clay soil using the injection method [Spraying equipment]. (Dut) Andringa, J T *Landbouwmechanisatie* 26 (10): 1143-1145. Oct 1975

040500 58.8 L2352
Import of agricultural machinery, 1974. (Dut) Vollaers, J A *Landbouwmechanisatie* 26 (10): 1189-1193. Eng. Sum. Oct 1975

040501 58.8 L2352
International New Holland conference: more achievements [Farm machinery]. (Dut) Coolman, F *Landbouwmechanisatie* 26 (10): 1169-1171. Oct 1975

58.8 L2352
Mechanical harvesting of Brussels sprouts, with suggestionsfor cultural methods. (Dut) Buitelaar, B; Meeldijk, B P *Landbouwmechanisatie* 26 (9): 1003-1009. Eng. Sum. Sept 1975

040502 58.8 L2352
Sprinkler demonstration in the northeastern polder [Irrigation equipment]. (Dut) Elema, H M *Landbouwmechanisatie* 26 (10): 1159-1164. Oct 1975

040503 58.8 L2352
1974 turned out to be a good year for tractor imports. (Dut) Vollaers, J A *Landbouwmechanisatie* 26 (9): 1051-1057. Eng. Sum. Sept 1975

040504 73.8 L542
About the wear of beater bars [in the fiber flax scutching machine]. (Rus) Matveev, I A *Len Konopliia* 3: 37-38. Mar 1975

040505 58.8 D81
A new generation of drilling machines. (Ger) Oehring, J *Lohnunterne Land Forstwirtsch* 30 (7): 240. July 15, 1975

040506 58.8 D81
Loading trucks, an important helper. (Ger) Fischer, K *Lohnunterne Land Forstwirtsch* 30 (7): 236, 238. July 15, 1975

040507 58.8 D81
Multirow potato harvester conquers the fields. (Ger) Specht, A *Lohnunterne Land Forstwirtsch* 30 (7): 230-231. July 15, 1975

040508 58.8 D81
Raising mowing performance by control and surveillance equipment. (Ger) Graeber, E *Lohnunterne Land Forstwirtsch* 30 (7): 232, 234-235. July 15, 1975

040509 1 AG84M
Trailer for cattle—gooseneck type. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1313, 2 P. July 1975

040510 18 N39
Utilization possibility for offered tractor technique. (Ger) Dohne, E *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (19): 1050, 1052, 1054. Oct 2, 1975

040511 18 N39
[Tractor] cabin covering. (Ger) Foltin, E *Mitt DLG (Dtsch Landwirtsch Ges), Ausg A* 90 (23): 1261-1262. Dec 4, 1975

040512 SB353.M8
The mushroom industry in the United States and Canada. 7. Crop emptying and miscellaneous items [Equipment]. White, I R *Mushroom J* 35: 380, 382-383. Nov 1975

040513 S19.M9
Instrumentation techniques for evaluation of a batch type drier. Sarpeshkar, A M; Ramaswamy, G S; Narayanaswamy, A *Mysore J Agric Sci* 9 (3): 454-466. 1975

SF221.N4
Investigations of dairy detergents using radioiodinated protein and a miniaturised simulator. Nisbet, T J; Langdon, A G *N Z J Dairy Sci Technol* 10 (3): 118-122. Ref. Sept 1975

040514 44.9 N28R
Test of a refrigerated farm milk tank, type RM/DX 1600, rated volume 1580 liters, manufactured by Packo, Zedelgem (Belgium). (Dut) Verheij, C P; Vries, T de; Deneken, E; Nuninga, J T *NIZO Rapp (Ned Inst Zuivelonderz Ede)* 98, 31 P. Eng. Sum. Aug 1975

040515 275.29 IO9PA
Safe operation of agricultural equipment. Siletto, T A; Hull, D O; Herman, J C ed; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 646, 107 P. Oct 1975

040516 S613.A1T8
Effects of waste water on corrosivity [of irrigation equipment]. Schiff, M J *Proc Turfgrass Sprinkler Irrig Conf* 13th: 36-42. 1975

040517 S613.A1T8
Equipment used to meet health regulations for effluent water use [for irrigation]. Currie, F *Proc Turfgrass Sprinkler Irrig Conf* 13th: 33-35. 1975

040518 21 R862
Applying of mineral fertilizers during mechanical hoeing of crops. (Rum) Langu, G *Prod Veg Cereale Plante Teh* 27 (5): 22-25. 1975

040519 21 R862
Harvesting of maize with self propelled combine C-12 equiped with devices for spadixes and grains. (Rum) Dobrescu, C; Mironescu, A *Prod Veg Cereale Plante Teh* 26 (9): 29-34. Sept 1974

040520 21 R862
Machinery and technologies applied in flax seed conditioning in order to eliminate Lolium remotum seeds. (Rum) Ionescu, S *Prod Veg Cereale Plante Teh* 27 (8): 31-36. Aug 1975

040521 21 R862
Mounting, dismounting and storing the equipment for gathering maize spadixes with the self-propelled combine C-12. (Rum) Mironescu, A *Prod Veg Cereale Plante Teh* 26 (10): 36-39. Oct 1974

040522 21 R862
Organization of mechanized harvesting in sunflower stands. (Rum) Nicsulescu, E; Dobrescu, C; Beghes, H *Prod Veg Cereale Plante Teh* 27 (8): 22-25. Aug 1975

040523 21 R862
Organizing mechanized harvesting of soybeans and kidney beans. (Rum) Nicsulescu, E; Mironescu, A *Prod Veg Cereale Plante Teh* 26 (8): 37-42. Aug 1974

040524 21 R862
Rational use of the machine MA-3,5 for application of soil amendments. (Rum) Moteanu, F *Prod Veg Cereale Plante Teh* 26 (11): 29-34. Nov 1974

040525 21 R862
Use of machines to spread fertilizers in winter. (Rum) Buzea, I *Prod Veg Cereale Plante Teh* 27 (1): 31-36. 1975

040526 21 R862
Use of the machine SPC-6 in drilling sugarbeets. (Rum) Buzea, I; Moteanu, F *Prod Veg Cereale Plante Teh* 27 (2): 35-38. 1975

040527 21 R862
Work organization using the combine C-12 in harvesting maize. (Rum) Dobrescu, C; Mironescu, A; Bianu, I *Prod Veg Cereale Plante Teh* 27 (8): 26-30. Aug 1975

040528 14 P94
Mechanization of the grape harvest in the Cognac area. (Fre) Gay-Belille, F *Prog Agric Vitic* 92 (21): 631-636, 653-655. Oct 31, 1975

040529 14 P94
The state of motorization of the grape harvest on the eve of demonstrations of Montpellier-Lavalette, November 4-6, 1975. (Fre) Lacombe, R *Prog Agric Vitic* 92 (21): 625-630. Oct 31, 1975

040530 6 T311
What's new in sprayers. *Prog Farmer (Birmingham)* 90 (4): 60. Apr 1975

040531 6 T311
Wheels roll on permanent paths [Equipment]. Wilborn, E *Prog Farmer (Birmingham)* 90 (11): 64-65, 70. Nov 1975

040532 49 P943
Press for granulation GM-500 [Feed compressing equipment]. (Rum) Slipenchi, A *Rev Cresterea Anim* 26 (5): 56-59. June 1975

040533 80 SA15
Railroad tank cars for transport of wine materials. (Rus) Shaposhnik, S Sh; Chapurin, V I; Diul'ger, T B; Zhdamarov, V S; Guz', N I *Sadovod Vinograd Vinodel Mold* 8: 33-34. Aug 1975

040534 80 SA15
The SZU-1-000 general-purpose grinder [Mechanization, grape culture]. (Rus) Mel'nik, D F; Selivanov, N N *Sadovod Vinograd Vinodel Mold* 7: 41-43. July 1975

040535 58.8 T678AG
Great Britain's first show of machines for removing agricultural wastes. (Ger) *Schweiz Landtech Dtsch Ausg* 37 (10): 575-576. Aug 1975

040536 58.8 T678AG
Maintenance and repair affability of machines. (Ger) Keller, H *Schweiz Landtech Dtsch Ausg* 37 (10): 567-570. Aug 1975

040537 58.8 T678AG
Modern cleaning equipment and cleansers for agriculture. (Ger) *Schweiz Landtech Dtsch Ausg* 37 (10): 571-572. Aug 1975

040538 58.8 T678AG
Untimely presence of wear and tear on tractor driver seats. (Ger) Unala, N *Schweiz Landtech Dtsch Ausg* 37 (10): 603-608. Aug 1975

040539 1 AG84TE
A laboratory evaluation of trash racks for drop inlets [to prevent plugging of closed-conduit spillways that release waer from floodwater-retarding resevoirs]. Hebaus, G G; Gwinn, W R; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1506, 70 P. Sept 1975

040540 SB111.A2T72
Farm machinery and problems of unemployment in developing countries. (Ger) Lorenz, F *Tropenlandwirt* 76: 67-77. Ref. Eng. Sum. Oct 1975

20 AK16
Effect of electro-spark threshing on the sowing qualities of wheat seed. (Rus) Listov, P N; Ermokhin, V I; Buromskii, V I; Bogdanova, L I *Vestn S-kh Nauki (Alma-Ata)* 10: 88-93. Eng. Sum. Oct 1975

41.8 V6439
Outlook for mechanization of animal production in the sixth Five-Year Plan. (Cze) Cakajda, E *Veterinarstvi* 25 (7): 289-291. 1975

040541 80 V662
Chinese gooseberries are test of strength for trellises. Jones, D L *Victorian Hortic Dig* 66: 21-24. Spring 1975

040542 20 V82
On some problems of mechanized harvesting of tomatoes. (Ukr) Liphardt, IU P; Sarydzha, L Kh *Visn Sil's'kohospod Nauki* 11: 108-109. Nov 1975

040543 20 V82
The MSK-1 cabbage harvesting combine. (Ukr) Savchenko, I F; Shumer, O R *Visn Sil's'kohospod Nauki* 11: 14-18. Nov 1975

040544 1 AG84Y
If you enjoy eating, thank the machines! [Harvesting equipment]. Barnes, K K; Anderson, J H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 201-212. 1975

040545 SB183.Z4
Adaptation of [grain cleaning unit] ZAV-20 for sunflower seeds. (Rus) Bartenev, V A *Zern Maslichn Kul't* 7: 40-41. July 1975

040546 SB183.Z4
Calculation of the requirements in transport facilities for serving combines. (Rus) Labodaev, V D; Eliseev, V G; Lipnitskii, R A *Zern Maslichn Kul't* 7: 18-20. July 1975

040547 SB183.Z4
The advantages of mulch planters [for sowing winter wheat]. (Rus) Shcherbak, I E; Parfenov, M A *Zern Maslichn Kul't* 8: 22-23. Aug 1975

040548 SB183.Z4
The harvesting of mustard with grain combines. (Rus) Gurvich, IU A; Kechek'ian, IU K; Skomorokhin, V A *Zern Maslichn Kul't* 8: 44-45. Aug 1975

040549 SB183.Z4
The preparation of the cutter bar of reapers for harvesting lodged cereals. (Rus) Eres'ko, I S; Chumachenko, I IA *Zern Maslichn Kul't* 7: 32-33. July 1975

040550 99.82 L56
Production of [sugarbeet] harvesting machines in [West] Germany and France in large quantity. (Rus) Udilov, V I; Zagumennykh, V P *Zucker* 28 (12): 680-682. Dec 1975

040551 11 T58
Automatic milking machine removal. (Dan) Krabbe, H *12Mandsbladet* 47 (9): 417-421. Sept 1975

SOIL SCIENCE

040552 19 AC8
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. Mohanty, S K; Patnaik, S *Acta Agron (Budap)* 24 (3/4): 446-451. Ref. 1975

040553 19 AC8
Potassium selectivity in the soils of Egypt. Taroun, S; Hamdi, H *Acta Agron (Budap)* 24 (3/4): 466-470. 1975

040554 QR1.A32
Studies of phage 1P receptors in Rhizobium trifolii and Rhizobium leguminosarum [Nodule bacteria]. Zajac, E; Russa, R; Lorkiewicz, Z *Acta Microbiol Pol, Ser A Microbiol Gen* 7 (4): 181-188. 1975

040555 S16.H8A32
Investigations into some soils of Cuba with regard to the accumulation of soluble salts. (Hun) Fekete, J *Agrar Tud Egy Kozl (Godollo)* P. 355-375. Ref. Eng. Sum. 1974

040556 58.8 D482
Some observations on soil compression below pneumatic tires. (Ger) Fekete, A; Helbig, W; Baganz, K *Agrartechnik* 25 (9): 464-466. Sept 1975

040557 381 AG85
Visual ratings of soil structure conditions. Robertson, L S *Agrichem Age* 18 (8): 16-17, 30. Nov/Dec 1975

040558 19.5 AG8
Dr. Ing. Ondrej Kozuch—noted Slovak soil scientist. (Slo) Petras, M *Agrikultura* 13: 199-215. Ref. 1975

040559 385 AG84
Effect of calcium cyanamide on the structure index of the soil. (Ita) Carloni, L; Riffaldi, R; Rotini, O T *Agrochimica* 19 (5): 388-393. Eng. Sum. Sept 1975

040560 385 AG84
Effect of different parent materials on some soil characteristics of Mohindergarh District (Haryana). Manchanda, M L; Garalapuri, V N; Gupta, A P *Agrochimica* 19 (5): 399-407. Ref. Sept 1975

040561 385 AG84
Measurement of the total chemical composition of the horizons as an aid in the study of pedogenesis. II. (Ita) Sapetti, C *Agrochimica* 19 (5): 413-419. Eng. Sum. Sept 1975

040562 385 AG89
The balance of nutrients [in soils] under cereals in the Rostov province. (Rus) Kudelina, A G; Ivchenko, A S *Agrokhimiia* 8: 44-47. Aug 1975

040563 385 AG89
The effect of development of podzolic soils on the Kola Peninsula on their nitrogen regime and biological activity. (Rus) Kislykh, E E; Logvinova, M M; Pereverzev, V N *Agrokhimiia* 8: 10-20. Aug 1975

040564 385 AG89
The estimation of the provision of Chernozems with potassium and the methodology of its determination. (Rus) Vorob'eva, A K *Agrokhimiia* 8: 132-137. Ref. Aug 1975

040565 26 AG86
Genesis of "Harde" soils in north Cameroon. (Fre) Bruneau de Mire, P *Agron Trop (Paris)* 30 (3): 271-275. Ref. Eng. Sum. July/Sept 1975

040566 99.8 AL53
Problem of evaluating forest soils. (Ger) Sagl, W *Allg Forstztg* 86 (9): 269-272. Ref. Sept 1975

040567 105.4 P435
Water polluted with detergents and hydrologic characteristics of farm lands. II. Investigations on the stability of [soil] structure. (Ita) Cardinali, A; Stoppini, Z *Ann Perugia Univ Fac Agrar* 29: 349-368. Ref. Eng. Sum. 1974

040568 QH345.A1P73
A method for separation of slow-growing strains of nocule bacteria [Rhizobium lupini] from their mucus. Starchenko, E P; Datsenko, V K; Yakovleva, N S *Appl Biochem Microbiol* 10 (2): 264-265. Mar/Apr 1974 Transl. 1975

040569 QL1.B5
Study of biomass and caloric value of the soil nematode population in hornbeam-oak [Carpinus, Quercus] forest in Bab. (Slo) Saly, A *Biologia, Ser B Zool* 30 (8): 615-620. Ref. Eng. Sum. 1975

040570 56.8 B632
Effect of soil and water conditions on the rural landscape around Wouw, North Brabant. (Dut) Oosten, M F van *Bodemkd Stud* 12, 156 P. Maps. Ref. Eng. Sum. 1975

040571 65.8 B73
Effectos on the soil of mechanical cultivation and fertilizer levels applied to sugarcane ratoons. (Por) Casagrande, A A; Godoy, O P; Corsini, P C *Bras Acucar* 85 (4): 30-49. Ref. Eng. Sum. Apr 1975

040572 99.8 R47
On the free sesquioxides in representative forest soils. (Jpn) Kawada, H; Nishida, T *Bull Gov For Exp Stn (Tokyo)* 275: 1-22. Ref. Eng. Sum. Aug 1975

040573 99.8 R47
Studies on moisture status of forest soil. IV. Development of original field tensiometer into automatic recording system and some improvements of the system. (Jpn) Yoshioka, J *Bull Gov For Exp Stn (Tokyo)* 275: 23-36. Aug 1975

040574 QD1.C3
Soil as a system of humus and clay immobilized enzymes. McLaren, A D *Chem Scr* 8 (3): 97-99. Ref. 1975

040575 511 P444A
The change of humid tropical crusts of weathering in the process of soil formation under conditions of moderate arid climate. (Rus) Fridland, V M; Chizhikova, N P; Karaeva, Z S *Dokl Akad Nauk SSSR* 224 (4): 937-940. 1975

040576 S13.B82
Neutron activation analyses of soils. Naidenov, M; Raikov, L; Makarov, V *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (4): 73-79. 1975

512 W263
The effect of properties of microhabitats formed on various metamorphic schists on vegetation [of meadows and forests]. Stepa, T *Ekol Pol* 23 (1): 19-63. Ref. 1975

040577 57.8 F4123
Phosphorus-deficient rice soils of India. Goswami, N N *Fert News* 20 (9): 25-29. Ref. Sept 1975

040578 99.9 V66F
Effects of the granular soil fumigant Basamid on germination, growth, weed control, and nutrition of Pinus radiata seedlings in the Benalla nursey. Minko, G *For Tech Pap For Comm (Victoria)* 22: 37-41. Ref. June 1975

040579 TA710.A1G4
A field trial of the reinforcing effect of a stone column in soil. Hughes, J M O; Withers, N J; Greenwood, D A *Geotechnique* 25 (1): 31-44. Mar 1975

040580 TA710.A1G4
A hydraulic triaxial apparatus for controlled stress path testing [Soils]. Bishop, A W; Wesley, L D *Geotechnique* 25 (4): 657-670. Ref. Dec 1975

040581 TA710.A1G4
A new radiographic method of laboratory strain measurement in clays. Cuckson, J *Geotechnique* 25 (1): 137-141. Mar 1975

040582 TA710.A1G4
A new specimen preparation technique for the scanning electron microscope [Soil structure]. Wong, K Y; Tovey, N K *Geotechnique* 25 (1): 142-145. Mar 1975

040583 TA710.A1G4
A technique to enhance detail on scanning electron micrographs of geological materials [Soils, sands]. Tovey, N K; Krinsley, D H *Geotechnique* 25 (1): 146-152. Mar 1975

040584 TA710.A1G4
Associated and non-associated visco-plasticity and plasticity in soil mechanics. Zienkiewicz, O C; Humpheson, C; Lewis, R W *Geotechnique* 25 (4): 671-689. Ref. Dec 1975

040585 TA710.A1G4
Compacting loess soils in the USSR. Abelev, M YU *Geotechnique* 25 (1): 79-82. Mar 1975

040586 TA710.A1G4
Explorations of principal stress space with kaolin in a true triaxial apparatus [Soil testing]. Wood, D M *Geotechnique* 25 (4): 783-797. Ref. Dec 1975

040587 TA710.A1G4
Homogeneous and layered sand in triaxial compression [in natural soils]. Arthur, J R F; Phillips, A B *Geotechnique* 25 (4): 799-815. Ref. Dec 1975

040588 TA710.A1G4
Repeated load triaxial testing of a silty clay. Brown, S F; Lashine, A K F; Hyde, A F L *Geotechnique* 25 (1): 95-114. Ref. Mar 1975

040589 TA710.A1G4
Soil compaction by impact. Scott, R A; Pearce, R W *Geotechnique* 25 (1): 19-30. Ref. Mar 1975

040590 TA710.A1G4
Some applications of the vibro-replacement process [Soil compaction]. Rathgeb, E; Kutzner, C *Geotechnique* 25 (1): 45-50. Mar 1975

040591 TA710.A1G4
The role of ground improvement in foundation engineering [Soil mechanics]. West, J M *Geotechnique* 25 (1): 71-78. Mar 1975

040592 TA710.A1G4
Theoretical and practical aspects of dynamic consolidation [of fine saturated soils]. Menard, L; Broise, Y *Geotechnique* 25 (1): 3-18. Mar 1975

040593 TA710.A1G4
Yielding and plastic flow of sensitive cemented clay. Wong, P K K; Mitchell, R J *Geotechnique* 25 (4): 763-782. Ref. Dec 1975

040594 100 AL1H
Leaching of N [nitrogen]—problem of cropping efficiency, not of pollution [Maize]. Scarsbrook, C E; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 3. Winter 1975

040595 0D79.C4C48
Gas chromatographic analysis in soil chemistry. Grob, R L *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 245-292. Ref. 1975

040596 0D79.C4C48
Liquid chromatographic analysis in soil chemistry. Chesters, G; Graetz, D A *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 293-324. Ref. 1975

040597 0D79.C4C48
Paper chromatographic analysis in soil chemistry. Chesters, G; Graetz, D A *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 325-375. Ref. 1975

040598 0D79.C4C48
Thin-layer chromatographic analysis in soil chemistry. Thornburg, W *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 377-398. Ref. 1975

040599 S599.U4A352
Bibliography of the basic works on soil science of I. P. Gerasimov. *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 295-313. Ref. 1975

040600 S599.U4A352
Brown forest and Brown pseudopodzolic soils of the Soviet Union. Zonn, S V *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 21-58. Ref. 1975

040601 S599.U4A352
Distribution of mountain soils and some characteristics of their genesis and classification. Rozov, N N *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 245-260. 1975

040602 S599.U4A352
Investigations conducted by I. P. Gerasimov in the field of soil science. Fridland, V M *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 1-20. Ref. 1975

040603 S599.U4A352
North Atlantic facies of the turf subarctic and illuvial-humus-Podzol soils. Glazovskaya, M A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 261-294. Ref. 1975

040604 S599.U4A352
Pseudopodzolic soils of Ukrainian Carpathian oblast. Gerasimova, M I *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 138-155. Ref. 1975

040605 S599.U4A352
Soil relict and late holocene tectonic movement in the north-Crimean lowland. Blagovolin, N S *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 232-244. Map. Ref. 1975

040606 S599.U4A352
Soils of High Caucasus mountains. Fridland, V M *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 59-120. Ref. 1975

040607 S599.U4A352
Taiga soils of Priamur. Liversovskii, YU A; Rubtsova, L P *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 206-231. Map. Ref. 1975

040608 S599.U4A352
Turf-taiga (frozen-gley) soils. Erokhina, A A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 176-205. 1975

040609 S599.U4A352
Two types of soils developed over the reddish weathering crust of the western part of Georgian SSR. Romashkevich, A I *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 121-137. Ref. 1975

040610 S591.G4 1974
About the primary stage in the soil formation under mangrove vegetation in sandy shallow-water regions of the CaribbeanSea. (Rus) Zonn, S V *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 145-149. Eng. Sum. 1974

040611 S591.G4 1974
New aspects of genesis of some tropical soils in Cuba. (Rus) Zonn, S V *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 135-145. Eng. Sum. 1974

040612 S591.G4 1974
On the composition and properties of some Colombian soils. (Rus) Zonn, S V; Shishov, L L *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 103-122. Eng. Sum. 1974

040613 S591.G4 1974
On the soils of arid and humid zones of the tropical island of Sri Lanka. (Rus) Gerasimov, I P *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 41-53. Map. Eng. Sum. 1974

040614 S591.G4 1974
Peculiarities of soil genesis in the deltaic-alluvial valleys of Juba and Webi-Shebeli rivers (equatorial Somali). (Rus) Gusenkov, E P *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 73-90. Map. Ref. Eng. Sum. 1974

040615 S591.G4 1974
Soil-geographical transects through Chile. (Rus) Gerasimov, I P *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 90-103. Ref. Eng. Sum. 1974

040616 S591.G4 1974
Subtropical and tropical soils of India. (Rus) Gerasimov, I P *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 21-41. Eng. Sum. 1974

040617 S591.G4 1974
The world soil maps and the problems arising before soil scientists. (Rus) Gerasimov, I P *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 7-21. Ref. Eng. Sum. 1974

040618 S598.H8
A comparison of three methods of extracting organic matter from soils and marine sediments. Pierce, R H Jr; Felbeck, G T Jr *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 217-232. Ref. 1972 (Pub. 1975)

040619 S598.H8
An introductory review on humic substances aspects of research on their genesis, their physical and chemical properties , and their effect on organisms. Flaig, W *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 19-42. Ref. 1972 (Pub. 1975)

040620 S598.H8
Biogeochemistry of humic compounds. Swain, F M *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 337-360. Ref. 1972 (Pub. 1975)

040621 S598.H8
Characterization of synthetic humic-like substances of similar origin using newer physical methods. Andrzejewski, M *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 3-9. 1972 (Pub. 1975)

040622 S598.H8
Chemical nature of sedimentary humic acids. Ishiwatari, R *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 87-107. Ref. 1972 (Pub. 1975)

040623 S598.H8
Chemical, spectroscopic, and thermal methods for the classification and characterization of humic substances. Schnitzer, M *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 293-310. Ref. 1972 (Pub. 1975)

040624 S598.H8
Contribution of soil microbres to the formation of humic compounds. Haider, K; Martin, J P; Filip, Z; Fustec-Mathon, E *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 71-85. Ref. 1972 (Pub. 1975)

040625 S598.H8
Electromobility of aquatic humus: fractionation by the use of the isoelectric focusing technique. Gjessing, E T; Gjerdahl, T *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 43-51. 1972 (Pub. 1975)

040626 S598.H8
Fractionation and partial analysis of the 'bound' lipid fraction of muck soil organic matter. Serra, J M; Felbeck, G T Jr *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 311-319. 1972 (Pub. 1975)

040627 S598.H8
Gel cheomatography as a method for characterization of humic systems. Sochtig, H *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 321-335. Ref. 1972 (Pub. 1975)

040628 S598.H8
Humic substances and aquatic productivity. Prakash, A; Jensen, A; Rashid, M A *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 259-268. Ref. 1972 (Pub. 1975)

040629 S598.H8
Humus fractions and their distribution in some lakes in Finland. Pennanen, V *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 207-215. 1972 (Pub. 1975)

040630 S598.H8
Natural radiocarbon measurements on humic substances in the light of carbon cycle estimates. Scharpenseel, H W *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 281-292. Ref. 1972 (Pub. 1975)

040631 S598.H8
Nitrogen in sedimented organic matter from Lake Ontario. Kemp, A L W; Mudrochova, A *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 137-157. Map. Ref. 1972 (Pub. 1975)

040632 S598.H8
Pigments and lipids in the humic acids of some Canadian lake sediments. Povoledo, D; Murray, D; Pitze, M *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 233-258. Ref. 1972 (Pub. 1975)

040633 S598.H8
Properties of model humic acids synthesized by phenoloxidase and autoxidation of phenols and other compounds formed by soil fungi. Martin, J P; Haider, K; Bondietti, E *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 171-186. 1972 (Pub. 1975)

040634 S598.H8
Role of humus formation and decomposition in the terrestrial nitrogen cycles. Jansson, S L *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 123-135. 1972 (Pub. 1975)

040635 S598.H8
The chemical nature of humic acids. Cranwell, P A; Haworth, R D *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 13-18. Ref. 1972 (Pub. 1975)

040636 S598.H8
Transformation of sedimentary humic acids, facts and speculations. Ishiwatari, R *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 109-121. Ref. 1972 (Pub. 1975)

040637 S598.H8
Ubiquity of some soil enzymes and isolation of soil organic matter with urease activity. McLaren, A D; Pukite, A *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 187-193. Ref. 1972 (Pub. 1975)

040638 S598.H8
Ultraviolet and visible absorption spectra of humic systems. Salfeld, J C *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 269-280. Ref. 1972 (Pub. 1975)

040639 QP561.R43 1974
The thermostability of secondary structure of d-glyceraldehyde-3-phosphate dehydrogenase from thermus thermophilus characterized by a new method [Soil bacteria]. Fujita, S C; Imahori, K *In Peptides Polypeptides and Proteins. Proceedings of the Rehovot Symposium* P. 217-229. Ref. 1974

040640 SD645.P6
Comparative studies of analytical methods for determining available potassium in tropical soils. (Fre) Dabin, B *In Potassium in Tropical Crops and Soils* P. 103-117. Ref. Eng. Sum. 1974

040641 SD645.P6
Evaluation of analytical methods for determining potassium status of Nigerian soils. Sobulo, R A *In Potassium in Tropical Crops and Soils* P. 119-129. Ref. 1974

040642 SD645.P6
Factors determining the potassium supplying power of soils in Ghana. Acquaye, D K *In Potassium in Tropical Crops and Soils* P. 51-69. Ref. 1974

040643 SD645.P6
Pedogenesis in the humid tropics and the dynamics of potassium. (Fre) Pedro, G *In Potassium in Tropical Crops and Soils* P. 23-49. Ref. Eng. Sum. 1974

040644 SD645.P6
Plant and soil analysis control and interpretation of field experiments. (Fre) Loue, A *In Potassium in Tropical Crops and Soils* P. 375-398. Ref. Eng. Sum. 1974

040645 SD645.P6
Potassium cycle in the humid tropical forest. (Fre) Bernhard-Reversat, F *In Potassium in Tropical Crops and Soils* P. 321-328. Ref. Eng. Sum. 1974

040646 SD645.P6
Release and fixation of potassium in some soils supporting the oil palm (Elaeis guineensis Jacq.) in Nigeria. Ataga, D O *In Potassium in Tropical Crops and Soils* P. 131-141. Ref. 1974

040647 SD645.P6
Soil mapping in relation to the use of fertilizers in the humid tropics. Mouttapa, F *In Potassium in Tropical Crops and Soils* P. 71-82. Ref. 1974

040648 QR111.S67
Anaerobic bacteria and ther activities in soil. Skinner, F A *In Soil Microbiology. N. Walker, ed.* P. 1-19. Ref. 1975

040649 QR111.S67
Effects of biocidal treatments on soil organisms. Powlson, D S *In Soil Microbiology. N. Walker, ed.* P. 193-224. Ref. 1975

040650 QR111.S67
Extracellular polysaccharides of soil bacteria. Hepper, C M *In Soil Microbiology. N. Walker, ed.* P. 93-110. Ref. 1975

040651 QR111.S67
Nitrification and nitrifying bacteria. Walker, N *In Soil Microbiology. N. Walker, ed.* P. 133-146. Ref. 1975

040652 QR111.S67
Non-symbiotic nitrogen fixation in soil. Dart, P J; Day, J M *In Soil Microbiology. N. Walker, ed.* P. 225-252. Ref. 1975

040653 QR111.S67
Rhizobium in the soil. Nutman, P S *In Soil Microbiology. N. Walker, ed.* P. 111-131. Ref. 1975

040654 QR111.S67
Rhizosphere microorganisms—opportunists, bandits or benefactors [Soil lives]. Brown, M E *In Soil Microbiology. N. Walker, ed.* P. 21-38. Ref. 1975

040655 QR111.S67
Soil fungi. Jackson, R M *In Soil Microbiology. N. Walker, ed.* P. 165-180. Ref. 1975

040656 QR111.S67
Soil protozoa—animalcules of the subterranean microenvironment. Darbyshire, J F *In Soil Microbiology. N. Walker, ed.* P. 147-163. Ref. 1975

040657 S471.I4S92
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. Mehta, B V; Raman, S; Dangarwala, R T *In Symp on Green Revolution* P. 161-166. Ref. 1974

040658 99.8 IN2
Effect of Eucalyptus monoculture on the status of soil organic matter in natural sal (Shorea robusta) zone in Doon valley. Singhal, R M; Banerjee, S P; Pathak, T C *Indian For* 101 (12): 730-737. Ref. Dec 1975

040659 442.8 IN2
Effect of bacterial & fungal extracts & metabolic inhibitors on excystment of soil amoebae. Jehan, M; Dutta, G P; Kaushal, D C; Shukla, O P *Indian J Exp Biol* 13 (4): 375-377. Ref. July 1975

040660 475 IN22
Influence of surface active agents on movement of water in soil. Pathak, D N *Indian J Technol* 13 (7): 323-326. Ref. July 1975

040661 464.8 IN2
Studies on soil fungistasis. V. Effect of temperature, moisture content and incubation period. Mishra, R R; Pandey, K K *Indian Phytopathol* 27 (4): 475-479. Ref. Dec 1974 (Pub. 1975)

040662 16 IT1
Bioecological fertility of Italian soils. 3. Study of the agronomic profiles of the plains. (Ita) Casalicchio, G; Turtura, G C *Ital Agric* 112 (5): 116-127. Ref. May 1975

040663 16 IT1
Organic matter and the soil structure. (Ita) Sequi, P; Giovannini, G *Ital Agric* 112 (6): 65-83. Ref. June 1975

381 J8223
Metabolism of aldicarb by five soil fungi [Degradation]. Jones, A S *J Agric Food Chem* 24 (1): 115-117. Ref. Jan/Feb 1976

040664 10 J822
Field studies on the magnesium, copper and zinc nutrition of maize [Soil testing]. Alloway, B J *J Agric Sci (Camb)* 86 (1): 93-101. Map. Feb 1976

040665 448.39 SO12
A method of culturing Rhizobium meliloti on porous granulesto form a pre-inoculant for lucerne seed. Fraser, M E *J Appl Bacteriol* 39 (3): 345-351. Dec 1975

040666 448.39 SO12
Degradation of 1-naphthol by a soil pseudomonad. Walker, N; Janes, N F; Spokes, J R; Van Berkum, P *J Appl Bacteriol* 39 (3): 281-286. Ref. Dec 1975

040667 410 J828
A survey of tracks and paths in a sand dune ecosystem. I. Soils. Liddle, M J; Greig-Smith, P. *J Appl Ecol* 12 (3): 893-908. Ref. Dec 1975

040668 381 J824
An endo-alpha yield 6-D-mannanase from soil bacterium [Arthobacter]. Purification, properties, and mode of action. Nakajima, T; Maitra, S K; Ballou, C E *J Biol Chem* 25 (1): 174-181. Ref. Jan 10, 1976

040669 450 J829
Mineral nutrient pool and cycling in a Missouri [Quercus alba, carya] forest [Soils]. Rochow, J J *J Ecol* 63 (3): 985-994. Ref. Nov 1975

040670 QH540.J6
Geologic nitrogen in pleistocene loess of Nebraska. Boyce, J S; Muir, J; Edwards, A P; Seim, E C; Olson, R A *J Environ Qual* 5 (1): 93-96. Maps. Ref. Jan/Mar 1976

040671 QH540.J6
Maximizing denitrification during soil filtration of sewage water. Lance, J C; Whisler, F D; Rice, R C *J Environ Qual* 5 (1): 102-107. Ref. Jan/Mar 1976

040672 QH540.J6
Nitrate leakage from soils differing in texture and nitrogen load. Avnimelech, Y; Raveh, J *J Environ Qual* 5 (1): 79-82. Ref. Jan/Mar 1976

040673 QH540.J6
Nitrogen and phosphorus levels in soils beneath sewage disposal ponds. Lund, L J; Page, A L; Nelson, C O *J Environ Qual* 5 (1): 26-30. Ref. Jan/Mar1976

040674 QH540.J6
Nitrogen in soil cores and ground water under abandoned cattle feedlots. Mielke, L N; Ellis, J R *J Environ Qual* 5 (1): 71-75. Ref. Jan/Mar 1976

040675 QH540.J6
Phosphorus balance in sewage effluent treated soils. Kardos, L T; Hook, J E *J Environ Qual* 5 (1): 87-90. Ref. Jan/Mar 1976

040676 QH540.J6
Phosphorus distribution from septic tank effluent in coastal plain soils. Reneau, R B Jr; Pettry, D E *J Environ Qual* 5 (1): 34-38. Ref. Jan/Mar1976

040677 QH540.J6
Soil nitrates following four years continuous corn and as surveyed in irrigated farm fields of central and eastern Colorado. Ludwick, A E; Reuss, J O; Langin, E J *J Environ Qual* 5 (1): 82-86. Ref. Jan/Mar 1976

040678 398.8 J82
Quantitative fabric analysis of Drammen clay using X-ray diffraction technique [Marine sediment]. Kazi, A *J Sediment Petrol* 45 (4): 883-890. Ref. Dec 1975

040679 500 T25A
Shifts in the use of selected soil mapping units as the result of agricultural utilization. Tabor, R L *J Tenn Acad Sci* 51 (1): 34-38. Jan 1976

040680 S19.J3
Sulphur supplying power of Japanese grassland soils. An outline of sulphur survey of grassland soils and pasture plants. Tsuji, T *JARQ (Jap Agric Res Q)* 9 (3): 142-147. Ref. July 1975

040681 474 K842
A moor is not merely ground peat [Soil genesis]. (Ger) Zier, L *Kosmos* 71 (12): 522-528. Dec 1975

040682 18 L2353
Mobile device for sampling of soil water. (Ger) el-Bassam, N *Landbauforsch Volkenrode* 25 (1): 17-20. Eng. Sum. 1975

040683 9.2 L39
The problem of soil acidity in Brazil. (Por) *Lavoura* 78 (1): 13-15. Jan/Feb 1975

99.9 W262
Comparison of the course of potential evaporation in the forest and outside it in the area of Rogow. (Pol) Makowiec, M *Lesnictwo (Warsz)* 21: 71-83. Ref. Eng. Sum. 1975

040684 GC1.L5
Nitrogen fixation in Flax Pond: a Long Island salt marsh. Whitney, D E; Woodwell, G M; Howarth, R W *Limnol Oceanogr* 20 (4): 640-643. July 1975

040685 448.3 M582AE
A new yeast species from the soil—Candida podzolica sp. N. Bab'eva, I P; Reshetova, I S *Microbiology* 44 (2): 294-298. Ref. Mar/Apr 1975

040686 448.3 M582AE
On the development of nodular bacteria [Rhizobium leguminosarum, Rhizobium lupini] in the soil. Koleshko, O I *Microbiology* 44 (2): 291-293. Ref. Mar/Apr 1975

040687 448.3 M582AE
Reaction of soil microflora [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. Oleinikov, R R; Strekozov, B P; Garnicheva, Z D *Microbiology* 44 (1): 122-124. Ref. Jan/Feb 1975

040688 448.3 M582AE
True waxes of Saprophytic mycobacteria [isolated from various soils]. Koronelli, T V; Bis'ko, N A; Rozynov, B V *Microbiology* 44 (1): 59-61. Jan/Feb 1975

040689 448.3 M582AE
Use of gamma-irradiation of soil for an analysis of the composition of microbial communities. Shcherbakova, T A; Nikitin, D I; Volkovskaya, N G *Microbiology* 44 (2): 287-290. Mar/Apr 1975

040690 S15.I55
Chemical properties of soils. (Spa) Garavito Neira, F *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (11), 413 P. Ref. 1974

040691 S15.I55
Criteria for differentiation of soil families; American taxonomic system (7th approximation). (Spa) Knox, E G *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (8), 20 P. 1974

040692 S15.I55
General and semidetailed studies of the soils of Rionegro and Rioseco valleys (Cundinamarca Department) [Colombia]. (Spa) Parra A, A; Jaramillo H, R; Pichott A, J; Marinez G, A; Forero C, J; Espitia L, M *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (2, Pt. 1/4), 1052 P. Maps. Ref. 1974

040693 S15.I55
General study of the soils of the townships of Lebrija and Giron (Santander Department) [Colombia]. (Spa) *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (4), 223 P. Maps. Ref. 1974

040694 S15.I55
Nitrogen in the volcanic soils of Caldas (Colombia). (Spa) Vargas de Rozo, E *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (9), 63 P. 1974

040695 S15.I55
Physical properties of soils. (Spa) Malagon Castro, D *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (1), 343 P. Ref. 1974

040696 S19.M9
Influence of soil moisture regimes and soil fertility levels on water use by summer fodder maize. Gupta, U S; Gupta, R K *Mysore J Agric Sci* 9 (3): 408-414. Ref. 1975

040697 100 N813B
Classification and management of saline seeps in western North Dakota [Soil water]. Worcester, B K; Brun, L J; Doering, E J; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 3-7. Ref. Sept/Oct 1975

040698 S17.N4
The soil and field research organisation its formation and functions. Lynch, P B *N Z Agric Sci* 9 (1): 33-37. Feb 1975

040699 23 N4892
Magnesium in New Zealand soils. II. Distribution of exchangeable and "reserve" magnesium in the main soil groups. Metson, A J; Brooks, J M *N Z J Agric Res* 18 (4): 317-335. Ref. Nov 1975

040700 23 N4892
Magnesium in New Zealand soils. III. Availability of non-exchangeable magnesium to white clover during exhaustive cropping in a pot trial. Kidson, E B; Holet, F A; Metson, A J *N Z J Agric Res* 18 (4): 337-349. Ref. Nov 1975

040701 23 N4892
Occurrence of endomycorrhizas in soils of the Mackenzie Basin, Canterbury, New Zealand. Crush, J R *N Z J Agric Res* 18 (4): 361-364. Ref. Nov 1975

040702 514 N482
Effects of storage on the activities of protease, urease, phosphatase, and sulphatase in three soils under pasture. Speir, T W; Ross, D J *N Z J Sci* 18 (2): 231-237. Ref. June 1975

040703 514 N482
Mineralogy of topsoils and subsoils from Camp Stream Catchment of the Waimakariri Valley, New Zealand. Furkert, R J; Smidt, R E; Wells, N *N Z J Sci* 18 (2): 277-287. Map. June 1975

040704 514 N482
Note on occurrence of barite in B horizons of paleosols in loess, South Canterbury, New Zealand. Childs, C W; Searle, P L; Weatherhead, A V *N Z J Sci* 18 (2): 227-230. June 1975

040705 514 N482
Stratified sampling of soil moisture. Murray, D L; Lagocki, H F R; Jackson, R M *N Z J Sci* 18 (2): 269-276. June 1975

040706 12 N3892
Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. Crystal tubes, intercalary crystals, K fabric. Bal, L *Neth J Agric Sci* 23 (2): 163-176. Ref. 1975

040707 12 N3892
Energy-dispersive X-ray analysis on thin sections and unimpregnated soil material. Bisdom, E B A; Henstra, S; Jongerius, A; Thiel, F *Neth J Agric Sci* 23 (2): 113-125. Ref. 1975

040708 340.9 SO1
Influence of the thermal characteristics of a moist clay loam soil on the temperature regime at the surface. Murali Mohana Rao, E V *Nogyo Kisho J Agric Meteorol* 31 (3): 153-155. Dec 1975

040709 TA593.A43
Compiling preliminary foundation data with photointerpretation and existing information on soils and geology. Johnson, G O *Pap Annu Meet Am Soc Photogramm* 40th: 523-530. 1974

040710 56.8 P343
Soil forming function of Collembola and Acarina. (Ger) Rusek, J *Pedobiologia* 15 (4): 299-308. Ref. 1975

040711 56.8 P344
Identification of Yellow soil, Red soils, and Brown Forest soils based on the Soviet achievement in pedology. II. Brown Forest soils. (Jpn) Kanno, I *Pedologist* 19 (1): 56-66. June 1975

040712 56.8 P344
Mangan sediment in paddy soil. (Jpn) Sato, Y; Kojima, M; Yamagishi, N *Pedologist* 19 (1): 13-18. Eng. Sum. June 1975

040713 56.8 P344
Podzolic soils of central Taiga. (Jpn) Kato, H *Pedologist* 19 (1): 19-28. June 1975

040714 56.8 P344
Soils of Central Asia (Uzbekistan). (Jpn) Matsumoto, S *Pedologist* 19 (1): 40-48. Map. June 1975

040715 56.8 P344
Soils of forest-steppe and steppe zones. (Jpn) Kikuchi, K *Pedologist* 19 (1): 28-35. Map. June 1975

040716 56.8 P344
Soils of the Volga and the Don River basins. (Jpn) Otowa, M *Pedologist* 19 (1): 35-40. June 1975

040717 56.8 P344
Soils of Transcaucasia (Georgia and Armenia). (Jpn) Nagatsuka, S *Pedologist* 19 (1): 49-55. Map. June 1975

040718 325.28 P56
Soil and land cover overlay analyses. Hitchcock, H C; Cox, T L; Baxter, F P; Smart, C W *Photogramm Eng Remote Sensing* 41 (12): 1519-1524. Maps. Dec 1975

040719 57.8 P34
A method for extraction of soil moisture labeled with deuterium. (Rus) Bondareva, V IA *Pochvovedenie* 12: 65-74. Ref. Eng. Sum. Dec 1975

040720 57.8 P34
Anomaly content of lead and zinc in soils affected by the antropogenic factor. (Rus) Budun, A S *Pochvovedenie* 11: 125-127. Eng. Sum. Nov 1975

040721 57.8 P34
Changes of phosphorus and potassium compounds in soddy-podzolic and Grey forest soils under the effect of water erosion. (Rus) Symakov, A N *Pochvovedenie* 11: 98-102. Eng. Sum. Nov 1975

040722 57.8 P34
Effect of deflation on soil formation in Western Siberian tundra. (Rus) Tonkonogov, V D *Pochvovedenie* 12: 23-31. Eng. Sum. Dec 1975

040723 57.8 P34
Effect of southern Chernozem-Solonetz characteristics on small grain crop yields. (Rus) TSylev, E M *Pochvovedenie* 11: 117-119. Eng. Sum. Nov 1975

040724 57.8 P34
Evaluation of change of salt reserves in the active layer of paddy soils. (Rus) Obukhov, A D; Beikal, M N *Pochvovedenie* 11: 113-116. Eng. Sum. Nov 1975

040725 57.8 P34
Evaluation of soil genetic characteristics and their variations. (Rus) Val'kov, V F; Klimenko, G G; Prodan, V I *Pochvovedenie* 11: 5-13. Ref. Eng. Sum. Nov 1975

040726 57.8 P34
Free amino acids in dark Chestnut soils of northern Kazakhstn. (Rus) Karamshuk, Z P *Pochvovedenie* 11: 68-72. Ref. Eng. Sum. Nov 1975

040727 57.8 P34
Gypsum application to water and soils during irrigation with mineralized water. (Rus) Pepetun, S I *Pochvovedenie* 12: 84-89. Eng. Sum. Dec 1975

040728 57.8 P34
Influence of forest vegetation on the horizon of Podzols inthe Menomeny Forest, state of Wisconsin, USA. (Rus) Hole, F D *Pochvovedenie* 12: 115-124. Map. Ref. Dec 1975

040729 57.8 P34
Main physical soil properties as conditions for characterization of soil fertility. (Rus) Nikolaev, A V *Pochvovedenie* 11: 86-93. Eng. Sum. Nov 1975

040730 57.8 P34
Microbiological processes in peat bog soils under perennial grasses. (Rus) Dudchenko, B G; Beskrovnyi, A K; Uliashova, R M *Pochvovedenie* 11: 73-77. Ref. Eng. Sum. Nov 1975

040731 57.8 P34
Mineralogy of clay fractions in typical Chernozems of Ukrainian forest steppe. (Rus) Breus, N M; Kutsykovich, M B *Pochvovedenie* 12: 125-136. Ref. Eng. Sum. Dec 1975

040732 57.8 P34
New formations of carbonates in Chernozems of the left-bankUkraine. (Rus) Lebedeva, I I; Ovechkin, S V *Pochvovedenie* 11: 14-30. Ref. Eng. Sum. Nov 1975

040733 57.8 P34
On heat flows into soils. (Rus) Geraizade, A P; IUsifov, A G; Ismailov, D M *Pochvovedenie* 12: 58-64. Ref. Eng. Sum. Dec 1975

040734 57.8 P34
On major soil types of Indonesia. (Rus) Fridland, V M *Pochvovedenie* 12: 32-44. Ref. Eng. Sum. Dec 1975

040735 57.8 P34
On reliability of [soil] chemical analysis data of water extracts. (Rus) Sokolovskii, S P *Pochvovedenie* 11: 120-124. Eng. Sum. Nov 1975

040736 57.8 P34
On the application of water regime and soil characteristics in the diagnosis of excessive moisture. (Rus) Paas, A IU *Pochvovedenie* 12: 75-83. Eng. Sum. Dec 1975

040737 57.8 P34
On the source of accumulation of exchangeable aluminium by reductants during gleyzation. (Rus) Kanivets, V I *Pochvovedenie* 12: 45-50. Ref. Eng. Sum. Dec 1975

040738 57.8 P34
Potassium forms in main soil types of the plain zone of Dagestan. (Rus) Salmanov, A B; Magomedaliev, Z G *Pochvovedenie* 12: 137-142. Eng. Sum. Dec 1975

040739 57.8 P34
Prognosis of cesium 137 [isotope] migration in soils [Radioactive contamination]. (Rus) Prokhorov, V M *Pochvovedenie* 11: 60-67. Ref. Nov 1975

040740 57.8 P34
Salt associations in soils of Caspian lowland as related tosoil genesis. (Rus) Egorov, V V; Gorina, N I *Pochvovedenie* 12: 3-10. Eng. Sum. Dec 1975

040741 57.8 P34
Seasonal dynamics of lysimetric water composition in the profile of a sandy podzolic soil of a larch forest (Karelian isthmus). (Rus) Govorenkov, B F *Pochvovedenie* 12: 11-22. Ref. Eng. Sum. Dec 1975

040742 57.8 P34
Seasonal dynamics of humic acids and various forms of nitrogen in a podzolic soil. (Rus) Zhigunov, A V; Tereshenkova, I A; Shmeleva, V N; Shurukhina, S I *Pochvovedenie* 12: 51-57. Ref. Eng. Sum. Dec 1975

040743 57.8 P34
Soil chemistry and accumulation by roots of artificial radionuclides in crop yields [Radioactive contamination]. (Rus) Arkhipov, N P; Fedorov, E A; Aleksakhin, R M; Bondar', P F; Kozhevnikova, T L; Suslova, V V *Pochvovedenie* 11: 40-52. Ref. Eng. Sum. Nov 1975

040744 57.8 P34
Some problems of chemistry of natural and artificial radionuclides in soils and their accumulation by crops [Radioactive contamination]. (Rus) Aleksakhin, R M *Pochvovedenie* 11: 32-39. Ref. Eng. Sum. Nov 1975

040745 57.8 P34
Spatial variation of the snow cover height and the depth of freezing of Grey forest soils under conditions of Pridesnyanskaya highland. (Rus) Kolesov, A F; IUrkovskii, N IA *Pochvovedenie* 11: 78-85. Ref. Eng. Sum. Nov 1975

040746 57.8 P34
Studying the mechanism of salt leaching in soil columns. (Rus) Filep, D; Kun, D *Pochvovedenie* 12: 94-102. Eng. Sum. Dec 1975

040747 S590.P6
Achievements and new trends in soil microbiology. (Bul) Voinova, Zh; Raicheva, L *Pochvozn Agrokhim* 10 (5): 25-29. 1975

040748 S590.P6
On the correction of large-scale soil studies made from aerial photographs. (Bul) Achkov, N *Pochvozn Agrokhim* 10 (5): 38-49. Eng. Sum. 1975

040749 S590.P6
On the optimum density of leached Chernozem-Smolnitza for maize and wheat. (Bul) Todorov, F; Stoinev, K *Pochvozn Agrokhim* 10 (5): 132-139. Eng. Sum. 1975

040750 S590.P6
Predicting nutrition conditions for the soils of Bulgaria. (Bul) Gurbuchev, I; Dinchev, D; Milcheva, M; Neikova, E; Palaveev, T *Pochvozn Agrokhim* 10 (5): 18-24. 1975

040751 S590.P6
The role of Nikola Pushkarov in furthering soil and geographic studies in Bulgaria. (Bul) Koinov, V; Iolevski, M; Khadzhiianakiev, A; Trashliev, Kh *Pochvozn Agrokhim* 10 (5): 3-9. 1975

040752 19.5 P752
Effect of the furnace dust of cement works on some physical and technological properties of the soil. III. (Slo) Kulich, J *Pol'nohospodarstvo* 21 (7): 532-541. Ref. Eng. Sum. 1975

040753 20.5 P84
The problem of soil density. (Pol) Ciesla, W *Postepy Nauk Roln* 22 (1): 11-24. Ref. 1975

040754 385 P93
Optimization of the nutrient medium for the biosynthesis of phytotoxic metabolites of Myrothecium verrucaria VKMF-183 [Soil fungi]. (Rus) Elisashvili, T A; Borovkov, A V *Prikl Biokhim Mikrobiol* 11 (6): 877-879. Eng. Sum. Nov/Dec 1975

040755 56.9 SO3
A model for the simultaneous production and diffusion of ferrous iron in submerged soils. Harmsen, K; Breemen, N van *Proc Soil Sci Soc Am* 39 (6): 1063-1068. Ref. Nov/-Dec 1975

040756 56.9 SO3
Acidification and deacidification of coastal plain soils as a result of periodic flooding. Breemen, N van *Proc Soil Sci Soc Am* 39 (6): 1153-1157. Ref. Nov/Dec 1975

040757 56.9 SO3
Bulk density sampler for deep soil profiles. Holtzclaw, K M; Rible, J M; Pratt, P F *Proc Soil Sci Soc Am* 39 (6): 1220-1223. Nov/Dec 1975

040758 56.9 SO3
Changes in the physical properties of soil clays due to precipitated aluminum and iron hydroxides. I. Swelling and aggregate stability after drying. el-Swaify, S A; Emerson, W W *Proc Soil Sci Soc Am* 39 (6): 1056-1063. Ref. Nov/Dec 1975

040759 56.9 SO3
Clay mineralogy, physical, and chemical properties of some soils in arid regions of Iran. Mahjoory, R A *Proc Soil Sci Soc Am* 39 (6): 1157-1164. Map. Ref. Nov/Dec 1975

040760 56.9 SO3
Dispersion of clays in ethanol solutions. Leonard, R A; Jackson, W A *Proc Soil Sci Soc Am* 39 (6): 1215-1217. Nov/Dec 1975

040761 56.9 SO3
Distribution and some properties of loess in southcentral and southeastern Idaho. Lewis, G C; Fosberg, M A; McDole, R E; Chugg, J C *Proc Soil Sci Soc Am* 39 (6): 1165-1168. Map. Ref. Nov/Dec 1975

040762 56.9 SO3
Fixation of iron and zinc applied as chelates into a soil column during leaching. Lahav, N; Hochberg, M *Proc Soil Sci Soc Am* 39 (6): 1213-1215. Nov/Dec 1975

040763 56.9 SO3
Infrared study of exchangeable cation hydration in montmorillonite. Sposito, G; Anderson, D M *Proc Soil Sci Soc Am* 39 (6): 1095-1099. Ref. Nov/Dec 1975

040764 56.9 SO3
Loess in Ohio in relation to several possible source areas: I. Physical and chemical properties. Rutledge, E M; Holowaychuk, N; Hall, G F; Wilding, L P *Proc Soil Sci Soc Am* 39 (6): 1125-1132. Map. Ref. Nov/Dec 1975

040765 56.9 SO3
Loess in Ohio in relation to several possible source areas: II. Elemental and mineralogical composition. Rutledge, E M; Wilding, L P; Hall, G F; Holowaychuk, N *Proc Soil Sci Soc Am* 39 (6): 1133-1139. Ref. Nov/Dec 1975

040766 56.9 SO3
On the differential equation for the equilibrium moisture profile in swelling soil. Sposito, G *Proc Soil Sci Soc Am* 39 (6): 1053-1056. Ref. Nov/Dec 1975

040767 56.9 SO3
Potassium in an arid loessial soil: characterization by equilibrium release-absorption to strong salt solutions. James, D W; Weaver, W H *Proc Soil Sci Soc Am* 39 (6): 1106-1111. Ref. Nov/Dec 1975

040768 56.9 SO3
Potassium-calcium exchange equilibria in volcanic-ash soils. Schalscha, E B; Pratt, P F; Andrade, L de *Proc Soil Sci Soc Am* 39 (6): 1069-1072. Ref. Nov/Dec 1975

040769 56.9 SO3
Predicting anion movement in disturbed and undisturbed soils. Cassel, D K; Van Genuchten, M T; Wierenga, P J *Proc Soil Sci Soc Am* 39 (6): 1015-1019. Ref. Nov/Dec 1975

040770 56.9 SO3
Predicting ionic distributions in large soil columns. Wierenga, P J; Shaffer, M J; Gomez, S P; O'Connor, G A *Proc Soil Sci Soc Am* 39 (6): 1080-1084. Ref. Nov/Dec 1975

040771 56.9 SO3
Quartz oxygen isotopic stability in relation to isolation from sediments and diversity of [soil] source. Sridhar, K; Jackson, M L; Clayton, R N *Proc Soil Sci Soc Am* 39 (6): 1209-1213. Ref. Nov/Dec 1975

040772 56.9 SO3
Relationship of geomorphology to origin and distribution of a high charge vermiculitic soil clay [in Michigan]. Lietzke, D A; Mortland, M M; Whiteside, E P *Proc Soil Sci Soc Am* 39 (6): 1169-1177. Map. Ref. Nov/Dec 1975

040773 56.9 SO3
Soil potassium relationships as indicated by solution equilibrations and plant uptake [Maize]. Munn, D A; McLean, E O *Proc Soil Sci Soc Am* 39 (6): 1072-1076. Ref. Nov/Dec 1975

040774 56.9 SO3
Solute travel-time estimates for tile-drained fields. I. Theory. Jury, W A *Proc Soil Sci Soc Am* 39 (6): 1020-1024. Ref. Nov/Dec 1975

040775 56.9 SO3
Solute travel-time estimates for tile-drained fields. II. Application to experimental studies. Jury, W A *Proc Soil Sci Soc Am* 39 (6): 1024-1028. Ref. Nov/Dec 1975

040776 56.9 SO3
Stability analysis of infiltration [in soil]. Philip, J R *Proc Soil Sci Soc Am* 39 (6): 1042-1049. Ref. Nov/Dec 1975

040777 56.9 SO3
Tests of the concept of secondary frost heaving [of soil]. Loch, J P G; Miller, R D *Proc Soil Sci Soc Am* 39 (6): 1036-1041. Ref. Nov/Dec 1975

040778 56.9 SO3
The growth of disturbances in unstable infiltration flows [in soil]. Philip, J R *Proc Soil Sci Soc Am* 39 (6): 1049-1053. Nov/Dec 1975

040779 56.9 SO3
Thick Bh [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to texture and soil ground water. Daniels, R B; Gamble, E E; Holzhey, C S *Proc Soil Sci Soc Am* 39 (6): 1177-1181. Map. Nov/Dec 1975

040780 56.9 SO3
Thick Bh [humate] horizons in the North Carolina Coastal Plain. II. Physical and chemical properties and rates of organic additions from surface sources. Holzhey, C S; Daniels, R B; Gamble, E E *Proc Soil Sci Soc Am* 39 (6): 1182-1187. Ref. Nov/Dec 1975

040781 56.9 SO3
Translocation of iron in acid sulfate soils. I. Soil morphology, and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. Breemen, N van; Harmsen, K *Proc Soil Sci Soc Am* 39 (6): 1140-1148. Map. Ref. Nov/Dec 1975

040782 56.9 SO3
Translocation of iron in acid sulfate soils. II. Production and diffusion of dissolved ferrous iron [in Thailand]. Harmsen, K; Breemen, N van *Proc Soil Sci Soc Am* 39 (6): 1148-1153. Nov/Dec 1975

040783 56.9 SO3
Transport of water and heat in a frozen permeameter [Soils]. Miller, R D; Loch, J P G; Bresler, E *Proc Soil Sci Soc Am* 39 (6): 1029-1036. Ref. Nov/Dec 1975

040784 56.9 SO3
Vegetative history of Cinnabar Park in Medicine Bow National Forest, Wyoming [as related to soil characteristics]. Miles, S R; Singleton, P C *Proc Soil Sci Soc Am* 39 (6): 1204-1208. Ref. Nov/Dec 1975

040785 56.9 SO3
Water retention by core and sieved soil samples. Unger, P W *Proc Soil Sci Soc Am* 39 (6): 1197-1200. Ref. Nov/Dec 1975

040786 56.9 OH32
An inventory of Ohio soils: Mercer County. Priest, T C; Brock, A R *Prog Rep Ohio Dep Nat Resour Div Lands Soil* 45, 52 P. Maps. 1975

040787 Q184.R4
Spectral signature selection for mapping unvegetated soils. May, G A; Petersen, G W *Remote Sens Environ* 4 (3): 211-220. Ref. 1975

040788 284.9 M58
Visual symptoms, causes, and remedies of bad soil structure. Robertson, L S; Erickson, A E; Christenson, D R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 294, 8 P. Nov 1975

040789 448.8 R32
Rhizosphere of Abies religiosa. I. Microbiology and microbial activity [Soil microorganisms]. (Fre) Pena-Cabriales, J J; Valdes, M *Rev Latinoam Microbiol* 17 (1): 25-31. Ref. Eng. Sum. Jan/Mar 1975

040790 385 Z66AE
Kinetic determination of iodides in soil. Yasinskene, E I; Umbrazhyunaite, O P *Russ J Inorg Chem* 30 (5, Pt. 2): 807-810. May 1975

040791 80 SA15
Soil composition in young apple orchards of the spur type. (Rus) Stach, P S; Vaskan, G K *Sadovod Vinograd Vinodel Mold* 7: 10-12. July 1975

040792 S13.S44
Microbiological studies of the fermentative dephosphorilation of phytates. (Rus) Samoilova, T S; Muromtsev, G S *S-kh Biol* 10 (3): 449-451. May/June 1975

040793 S592.7.A1S6
A principal components analysis of some biochemical activities in a climosequence of soils. Ross, D J; Speir, T W; Giltrap, D J; McNeilly, B A; Molloy, L F *Soil Biol Biochem* 7 (6): 349-355. Ref. Nov 1975

040794 S592.7.A1S6
Anomalous results encountered when measuring acetylene reduction by soil bacteria. Murphy, P M *Soil Biol Biochem* 7 (6): 403-404. Nov 1975

040795 S592.7.A1S6
Comparison of agar media for counts of viable soil bacteria. Martin, J K *Soil Biol Biochem* 7 (6): 401-402. Nov 1975

040796 S592.7.A1S6
Enzyme activity in soils at subzero temperatures. Bremner, J M; Zantua, M I *Soil Biol Biochem* 7 (6): 383-387. Ref. Nov 1975

040797 S592.7.A1S6
Extraction of urease from soil. Lloyd, A B *Soil Biol Biochem* 7 (6): 357-358. Ref. Nov 1975

040798 S592.7.A1S6
Formation of volatile sulfur compounds by microbial decomposition of slfur-containing amino acids in soils. Banwart, W L; Bremner, J M *Soil Biol Biochem* 7 (6): 359-364. Ref. Nov 1975

040799 S592.7.A1S6
Further investigations on the chemistry of fungal "humic acids". Schnitzer, M; Neyroud, J A *Soil Biol Biochem* 7 (6): 365-371. Ref. Nov 1975

040800 S592.7.A1S6
Preliminary physiological studies on cowpea rhizobia [in Nigerian soils]. Okafor, N; Alexander, M *Soil Biol Biochem* 7 (6): 405-406. Ref. Nov 1975

040801 S592.7.A1S6
Redox dependence of papain enzyme activity on charged kaolinite surfaces and in solution [Clay minerals]. Benesi, A; McLaren, A D *Soil Biol Biochem* 7 (6): 379-381. Ref. Nov 1975

040802 S592.7.A1S6
Relationships between the denitrification capacities of soils and total, water-soluble and readily decomposable soil organic matter. Burford, J R; Bremner, J M *Soil Biol Biochem* 7 (6): 389-394. Ref. Nov 1975

040803 S592.7.A1S6
Studies on the ecology of actinomycetes in soil. VIII. Distribution and characteristics of acidophilic actinomycetes. Khan, M R; Williams, S T *Soil Biol Biochem* 7 (6): 345-348. Ref. Nov 1975

040804 S592.7.A1S6
The interdependent effects of soil temperature and water content on soil respiration rate and plant root decomposition in arid grassland soils. Wildung, R E; Garland, T R; Buschbom, R L *Soil Biol Biochem* 7 (6): 373-378. Ref. Nov 1975

040805 S592.7.A1S6
14C [carbon isotope]-labelled material leached from the rhizosphere of plants supplied continuously with 14CO2 [carbon dioxide isotope]. Martin, J K *Soil Biol Biochem* 7 (6): 395-399. Nov 1975

040806 56.9 B772
Alkaline and saline soils. *Soil Ser Br Columbia Dep Agric Field Crops Branch* 6, 5 P. 1975

040807 511 AK146
Study of organic matter in the soils of Tusheti. (Geo) Shevardnadze, M G *Soobshch Akad Nauk Gruz SSR* 80 (1): 133-136. Eng. Sum. Oct 1975

040808 QH540.E32
Temperature regime and [soil] moisture-content dynamics of Sierozems in the semisavannahs of southern Tadzhikistan. Popov, K P *Sov J Ecol* 6 (1): 55-61. Ref. Jan/Feb 1975

040809 57.8 P34AE
Accumulation and mineralization of crop residues in dark Chestnut soil. Roktanen, L S; Karamshuk, Z P *Sov Soil Sci* 7 (3): 300-304. May/June 1975

040810 57.8 P34AE
Agrochemical characteristics and water-physical properties of Tatar Chernozems on limestone. Vinokurov, M A; Koloskova, A V *Sov Soil Sci* 7 (2): 138-146. Mar/Apr 1975

040811 57.8 P34AE
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. Dolgova, L G *Sov Soil Sci* 7 (2): 220-225. Ref. Mar/Apr 1975

040812 57.8 P34AE
Biochemical investigation of peat humic acids. Dragunov, S S; Kablova, N G *Sov Soil Sci* 7 (3): 339-344. May/June 1975

040813 57.8 P34AE
Boron in the plow layer of soils in the European USSR. Zyrin, N G; Zborischchuk, Yu N *Sov Soil Sci* 7 (3): 330-338. Ref. May/-June 1975

040814 57.8 P34AE
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of thick Chernozem in the western forest steppe of the Ukraine. Mamontov, V T *Sov Soil Sci* 7 (2): 173-181. Ref. Mar/Apr 1975

040815 57.8 P34AE
Characteristics of some Solonetz complexes in the Dark-Chestnut subzone of Kustanay oblast. Novikova, A F *Sov Soil Sci* 7 (2): 147-158. Ref. Mar/Apr 1975

040816 57.8 P34AE
Combined investigation of the thermophysical and electrophysical properties of porous media. Globus, A M; Aref'yev, A V *Sov Soil Sci* 7 (3): 355-358. May/June 1975

040817 57.8 P34AE
Content and some properties of concretions in the Podzolic soils of the central taiga subzone of the Komi ASSR. Rusanova, G V; Tsypanova, A N; Bushuyeva, YE N *Sov Soil Sci* 7 (3): 272-280. Ref. May/June 1975

040818 57.8 P34AE
Determination of the wilting [soil] moisture for grapevine. Akopyan, G A; Oganyan, E A; Gabriyelyan, A G *Sov Soil Sci* 7 (2): 234-237. Mar/Apr 1975

040819 57.8 P34AE
Determination of the composition of adsorbed bases in saline soils. Molodtsov, V A; Ignatova, V P *Sov Soil Sci* 7 (3): 364-367. May/June 1975

040820 57.8 P34AE
Determination of molecular nitrogen in studying gaseous losses. Makarov, B N *Sov Soil Sci* 7 (3): 368-370. May/June 1975

040821 57.8 P34AE
Distribution of manganese-oxidizing microorganisms [Metallogenium] in soils. Bolotina, I N; Mirchink, T G *Sov Soil Sci* 7 (3): 325-329. May/June 1975

040822 57.8 P34AE
Effect of salinity and solonetzicity on the composition of humus and some properties of humic acids in Kazakhstan Chernozems. Kiryushin, V I; Lebedeva, I N *Sov Soil Sci* 7 (2): 204-214. Ref. Mar/Apr 1975

040823 57.8 P34AE
Evolution of Chernozems under the effect of human activity. Bruk, M S *Sov Soil Sci* 7 (2): 129-137. Ref. Mar/Apr 1975

040824 57.8 P34AE
Experiment in genetic diagnosis of the soils of the USSR on the basis of elementary soil processes. Gerasimov, I P *Sov Soil Sci* 7 (3): 257-263. May/June 1975

040825 57.8 P34AE
Genetic and chemical characteristics of Meadow Gley soils in the rice fields of Primor'ye. Kostenkov, N M *Sov Soil Sci* 7 (3): 291-299. Ref. May/June 1975

040826 57.8 P34AE
Identification of Cinnamon-Brown soils in Krasnodar Kray. Zhukov, A I *Sov Soil Sci* 7 (3): 264-271. Ref. May/June 1975

040827 57.8 P34AE
Investigations of a model of the system montmorillonite + water-soluble organic substances [Soil formation]. Stepanov, I S; Zatsepina, L N *Sov Soil Sci* 7 (2): 226-233. Ref. Mar/Apr 1975

040828 57.8 P34AE
Methods for determining biological energy balances of soil organic matter. Aliyev, S A *Sov Soil Sci* 7 (2): 238-243. Ref. Mar/Apr 1975

040829 57.8 P34AE
Micromorphology of Sod-Podzolic soils on a moraine and on mantle loam. Yarilova, YE A; Rubilina, N YE *Sov Soil Sci* 7 (3): 281-290. Ref. May/June 1975

040830 57.8 P34AE
Mineral composition and age of a three-storied soil on the sands of the Don Steppe. Gayel', A G; Grishchenko, M N; Khabarov, A V *Sov Soil Sci* 7 (3): 345-354. Ref. May/-June 1975

040831 57.8 P34AE
Nature of exchange and hydrolytic soil acidities. Krupskiy, N K; Aleksandrova, A M; Daragan, YU A *Sov Soil Sci* 7 (2): 199-203. Ref. Mar/Apr 1975

040832 57.8 P34AE
Nature of indole-oxidizing agents in Chernozem. Medvedev, V A; Lipnitskaya, G P; Sheynkman, A K; Davydov, V D *Sov Soil Sci* 7 (2): 182-188. Ref. Mar/Apr 1975

040833 57.8 P34AE
Nature of the biogenous accumulation of microelements in forest litters. Dolobovskaya, A S *Sov Soil Sci* 7 (2): 189-198. Ref. Mar-/Apr 1975

040834 57.8 P34AE
Relation between the agrochemical properties of soils, their content of nonexchangeable ammonium and its fixation capacity. Kudeyarov, V N; Bashkin, V N *Sov Soil Sci* 7 (2): 159-164. Ref. Mar/Apr 1975

040835 57.8 P34AE
Role of microorganisms in the mobilization and fixation of iron in soils. Aristovskaya, T V *Sov Soil Sci* 7 (2): 215-219. Ref. Mar/Apr 1975

040836 57.8 P34AE
Size and dynamics of the yield of crops under rotation with long-term use of fertilizers. Kudzin, YU K; Sukhobrus, S V; Stepanenko, A YA *Sov Soil Sci* 7 (2): 165-172. Ref. Mar-/Apr 1975

040837 57.8 P34AE
Specific ultimate strength of the soil structure. Minkin, M B; Buravchuk, N I; Avdeyev, M N; Ostrikov, M S *Sov Soil Sci* 7 (3): 359-363. May/June 1975

040838 60.38 SO9
Soil inoculation—good insurance [Rhizobium japonicum]. Carlson, J *Soybean Dig* 36 (3): 12-13. Jan 1976

040839 9.6 SU7
Studies in soil physics and agrohydrology on the young coastal plain of Surinam, South America. Kamerling, G E *Surinaam Landbouw* 23 (1): 31-37. 1975

040840 S3.S8
Transformation of phosphorus in organic matter decomposition studies with special reference to the immobilisation aspect. Ghoshal, S; Jansson, S L *Swed J Agric Res* 5 (4): 199-298. Ref. 1975

040841 11 T439
Nitrate determination in soil using a nitrate selective electrode. (Dan) Willems, M *Tidsskr Plant* 79 (4): 495-508. Eng. Sum. 1975

040842 26 T754
Prediction of soil water content changes in [irrigated and non-irrigated] Pangola grass [Digitaria decumbens] pastures. Gumbs, F A; Byam, L *Trop Agric (Guilford)* 53 (1): 31-40. Ref. Jan 1976

442.9 M854
Ecological soil-botanical spectra of Solonetz soil complexes of the Turgai Valley. (Rus) Titov, IU V *Vestn Moskovsk Univ. Biol Pochvoved* (Ser. 6) 3: 85-91. May/June 1975

040843 442.9 M854
Effect of the repeated liming on soil biological activity. (Rus) Ganiushina, E V; Popova, T E *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 110-113. Ref. Eng. Sum. May/-June 1975

040844 442.9 M854
Investigation of alcohol-benzene extracts from the main soils of North Vietnam. (Rus) Nguyen Tu Siem,; Orlov, D S; Ammosova, IA M *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 92-96. Eng. Sum. May/June 1975

040845 442.9 M854
On the forms of cobalt in soils. (Rus) Rerikh, V I; Zyrin, N G; Tikhomirov, F A *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 102-109. Ref. Eng. Sum. May/June 1975

040846 442.9 M854
Some aspects of the influence of Derno-Podzolic soils on the water chemical composition of Mozhaisk water storage. (Rus) Korenevskaia, V E; Khrustaleva, M A *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 97-101. Eng. Sum. May/June 1975

040847 442.9 M854
The utilisation of soil mycobacteria derivatives of purine and pirimidine (DPP) as the only source of nitrogen and carbon. (Rus) Aseeva, I V; Namir, Kh Sh *Vestn Moskovsk Univ, Biol Pochvoved* (Ser. 6) 3: 79-84. Ref. Eng. Sum. May/June 1975

20 V82
Effect of forest stands of varying composition on the soil. (Ukr) Ustynovs'ka, L T *Visn Sil's'kohospod Nauki* 10: 69-73. Oct 1975

040848 20 V82
Study of the phosphate regime of soils with the application of indices of phosphate-buffer capacity (Q/I) and phosphate potential. (Ukr) Nikiforenko, L I *Visn Sil's'kohospod Nauki* 11: 24-32. Nov 1975

040849 56.8 W28
Frost conditions in the soil of the control field in Schleswig. (Ger) Fuss, F *Wasser & Boden* 27 (3): 60-63. Mar 1975

040850 20.5 Z5
Effect of meadow and field utilization on physico-hydrological properties and agricultural value of mineral-muck soils. (Pol) Bienkiewicz, P *Zesz Probl Postepow Nauk Roln* 169: 49-62. Ref. Eng. Sum. 1975

20.5 Z5
Effect of the drop of ground water level on soil and vegetation properties in the area adjacent to the electric power plant "Lower Oder". (Pol) Greinert, H; Lyduch, L; Niedzwiecki, E; Zablocki, Z *Zesz Probl Postepow Nauk Roln* 169: 134-152. Eng. Sum. 1975

20.5 Z5
Process of drying up and differentiation of peat bog meadows in the Notec river valley [Soils, reclamation]. (Pol) Roguski, W *Zesz Probl Postepow Nauk Roln* 169: 11-30. Ref. Eng. Sum. 1975

SOIL IMPROVEMENT MATERIALS

040851 19 AC8
N [nitrogen] balance in flooded rice culture in relation to methods of application. Shinde, J E; Chakravorty, S P *Acta Agron (Budap)* 24 (3/4): 419-423. 1975

040852 19 AC8
Sunflower response to nitrogenous fertilization at G. R. S. [Sudan]. Nur, I M *Acta Agron (Budap)* 24 (3/4): 463-466. 1975

040853 S16.H8A32
Effect of spray fertilization on vitamin C content of greenpepper. (Hun) Fekete, L *Agrar Tud Egy Kozl (Godollo)* P. 201-209. Ref. 1974

S16.H8A32
Influence of spray fertilization combined with various herbicides on the chemical composition and technological features of wheat. (Hun) Majer, Mrs K T *Agrar Tud Egy Kozl (Godollo)* P. 211-227. Ref. 1974

040854 S16.H8A32
Investigations into the effect of large fertilizer dressings on Chernozem soil in a model experiment. (Hun) Bacso, A *Agrar Tud Egy Kozl (Godollo)* P. 337-353. 1974

040855 S16.H8A32
Role of soil properties in the effectiveness of fertilizers. (Hun) Kovacs, G *Agrar Tud Egy Kozl (Godollo)* P. 377-390. Eng. Sum. 1974

040856 22 AG832
Effect of sources of nitrogen on flue-cured tobacco. Rashid, A; Siddiq, M *Agric Pak* 26 (1): 71-73. Mar 1975

040857 22 AG832
The effect of straight and complex fertilizers on the yield of some major cereals in the northwest frontier province [Pakistan]. Athar, M; Gauhar, A *Agric Pak* 26 (1): 15-21. Mar 1975

040858 24 EG94
An investigation into the study of phosphorus nutrition of soybeans in pot tests using P32 [phosphorus isotope]. Abdel-Hamid, M; Abdel-Samie, M; el-Banna, E *Agric Res Rev* 52 (8): 91-100. Ref. Aug 1974 (Pub. 1975)

040859 24 EG94
Corn fertilization programme in Arab Republic of Egypt. I. Utilization of nitrogen by maize as affected by time and method of application. Hammissa, M R; Abdel-Samie, M E; el-Banna, E; Khadr, M S *Agric Res Rev* 52 (8): 25-48. Ref. Aug 1974 (Pub. 1975)

281.9 IN23
Relative importance of seeds and fertilisers to the production of paddy—a case study. Pal, A; Sain, K *Agric Situation India* 30 (3): 147-149. June 1975

040860 381 AG85
Differential pressure systems. Schulbach, H *Agrichem Age* 18 (8): 18, 33. Nov/Dec 1975

040861 16 AG8226
Chemical fertilizers in the European Economic Community [Italy]. (Ita) Svaldi, A *Agricoltura* 24 (3): 85-87. Mar 1975

040862 16 AG8226
Foliar diagnosis and application of fertilizers to sugarbeets. (Ita) Rossi, N *Agricoltura* 24 (6): 27-30. June 1975

040863 S583.L32
Molybdenum nutrition of maize (Zea mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and phosphate applications. Blamey, F P C; Nathanson, K *Agrochemophysica* 7 (3): 33-37. Sept 1975

040864 385 AG84
Composition in free amino acids of sap from tomato plants treated with different levels of boron [Fertilizer]. Hernando, V; Buenadicha, P; Torres, M *Agrochimica* 19 (5): 367-373. Ref. Sept 1975

040865 385 AG84
Effect of nitrogen on the uptake of seleniteselenium by excised barley roots. el Kobbia, T *Agrochimica* 19 (5): 380-387. Ref. Sept 1975

040866 385 AG84
Evaluation of analytical methods for estimating available zinc and response of maize to applied zinc in major soil series of Ludhiana, Punjab (India). Takkar, P N; Mann, M S *Agrochimica* 19 (5): 420-430. Ref. Sept 1975

040867 385 AG84
Nutritional status of the grapevine (Vitis vinifera L., variety Lambrusco Salamino) expressed by means of foliar analysis of macro- and microelements. (Ita) Rossi, N *Agrochimica* 19 (5): 437-444. Ref. Eng. Sum. Sept 1975

040868 385 AG84
Solubilization of a phosphorite with ammonium bisulphate in a solid state. (Ita) Rotini, O T; Riffaldi, R; Pinchovski, E *Agrochimica* 19 (5): 361-366. Ref. Eng. Sum. Sept 1975

040869 385 AG89
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light Gray Forest fine loamy soil. (Rus) Ishkaev, T Kh; Volkova, V F *Agrokhimiia* 8: 128-131. Aug 1975

040870 385 AG89
Manure in a cereals-sugarbeets crop rotation on deep Chernozems. (Rus) Pshebel'skii, V V; Rudichenko, E P *Agrokhimiia* 8: 54-59. Aug 1975

040871 385 AG89
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and Gray Podzolic soils of the forest-steppe of the Ukrainian SSR. (Rus) Kushnirenko, E F; Kushnirenko, S M *Agrokhimiia* 8: 27-33. Aug 1975

040872 385 AG89
The aftereffect of long-term application of fertilizers in crop rotation. (Rus) Kudzin, IU K; Sukhobrus, S V *Agrokhimiia* 8: 40-43. Ref. Aug 1975

040873 385 AG89
The change of agrochemical properties of soddy-podzolic sandy-light loamy soil as a result of long-term application of fertilizers in a crop rotation with flax. (Rus) Karpova, E S *Agrokhimiia* 8: 64-68. Ref. Aug 1975

040874 385 AG89
The change of the plastid apparatus per unit of leaf area and the yield of barley under various application of zinc. (Rus) Porokhnevich, N V; Vakul'chik, M N *Agrokhimiia* 8: 90-94. Ref. Aug 1975

040875 385 AG89
The effectiveness of inorganic fertilizers applied under spring wheat in connection with its predecessors on the soils of the Buryat ASSR. (Rus) Frolov, A P *Agrokhimiia* 8: 48-53. Aug 1975

040876 385 AG89
The effectiveness of applying inorganic fertilizers under winter wheat on ordinary Chernozem of various texture. (Rus) Turchin, V V; Musatov, A G *Agrokhimiia* 8: 60-63. Aug 1975

040877 385 AG89
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, radioactive contamination]. (Rus) Guliakin, I V; IUdintseva, E V; Rulevskaia, N N *Agrokhimiia* 8: 95-102. Ref. Aug 1975

040878 385 AG89
The migration of nitrogen, phosphorus and potassium of nitroammophoska in loamy soddy-podzolic soil. (Rus) Bulaev, V E; Tishchenko, A T; Evdokimova, N V *Agrokhimiia* 8: 3-9. Aug 1975

040879 385 AG89
The utilization of potassium 40 isotope for labelling in the study of potassium intake from fertilizers and soil by plants. (Rus) Borisova, N I; Rodionov, V N; Sakharova, V I; Vasineva, L V *Agrokhimiia* 8: 34-39. Aug 1975

040880 390.9 AM33
Long-term responses of 'Thompson Seedless' [grape] vines to potassium fertilizer treatment. Christensen, P *Am J Enol Vitic* 26 (4): 179-183. Ref. 1975

040881 80 AM371
Nutrition research: foliar analysis of woody ornamentals. Smith, E M *Am Nurserym* 143 (2): 13-14. Jan 15, 1975

040882 75.8 P842
Effect of nitrogen, phosphorus, and potassium fertilizers on yield components and specific gravity of potatoes. Dubetz, S; Bole, J B *Am Potato J* 52 (12): 399-405. Ref. Dec 1975

040883 QH541.5.D4A1
Effect of spacing and phosphate fertiliser on forage and seed yield of Dolichos lablab var. lignosus [Hyacinth dolichos]. Verma, C M *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 235-240. Sept 1975

040884 QH541.5.D4A1
Moisture use efficiency of dryland crops as influenced by fertiliser use. II. Rabi cereals. Singh, R P; Ramakrishna, Y S *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 263-267. Sept 1975

040885 103 N813
Effect of defoliation and nitrogen treatment on total and seasonal production of grass. Bartholomew, P W *Annu Rep Agric Res Inst North Irel* 48th: 24-29. 1975

040886 99.9 F7626A
Differences in volume growth increase after [forest] fertilization with urea and ammonium nitrate fertilizer. (Swe) Malm, D; Moller, G *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 46-74. Map. 1975

040887 99.9 F7626A
Duration and course of response to nitrogen fertilizer in pine and spruce [Pinus, Picea] stands. (Swe) Moller, G; Rytterstedt, P *Arsb Foren Skogstradsfor Inst Skogsforbattr* P. 75-97. Map. Eng. Sum. 1975

389.8 SI1
Effects of nitrogen and phosphorus fertilizer on malting quality of wheat. Pomeranz, Y; Stanbridge, N N; Goplin, E D *Bakers Dig* 49 (6): 27-28, 45. Dec 1975

040888 S11.B43
Copper and cobalt content of grassland. (Dut) Lammers, H W *Bedrijfsontwikkeling* 6 (7/8): 611-613. July/Aug 1975

040889 S11.B43
Green manuring and output of sugarbeets on loamy soil. (Dut) Grootenhuis, J A; Velde, H A te *Bedrijfsontwikkeling* 6 (7/8): 621-626. Ref. July/Aug 1975

040890 66.8 B392
More fertilizers mean more profit for farmer. I. McEnroe, P *Biatas, The Tillage Farmer* 29 (9): 312-313. Dec 1975

040891 66.8 B392
Poultry manure—its use in agriculture. 2. Collins, D P *Biatas, The Tillage Farmer* 29 (9): 307-309. Dec 1975

040892 66.8 B77
Nitrogen [for sugarbeets]: why waste money? Brisbourne, D R *Br Sugar Beet Rev* 43 (3): L52. Autumn 1975

040893 65.8 B73
Ideal number of leaves for foliar diagnosis of sugarcane (ratoons). (Por) Orlando Filho, J; Campos, H de *Bras Acucar* 85 (4): 23-29. Eng. Sum. Apr 1975

040894 100 F66S (1)
Rose response to nitrogen, phosphorus, and potassium fertilization rates in plastic mulch covered beds of find sand. Young, T W; Snyder, G H; Martin, F G; Hayslip, N C; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 771, 41 P. Ref. Apr 1975

040895 100 F66S (1)
Soil testing as a guide to phosphorus fertilization of young pine plantations in the Coastal Plain. Ballard, R; Pritchett, W L; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 778, 22 P. Nov 1975

040896 80 C49
Fertilizing on a reduced budget [Citrus]. Jackson, L K *Citrus Ind* 57 (1): 24-26. Jan 1976

040897 80 C49
[Citrus] liming. Fisher, J *Citrus Ind* 57 (1): 4-5, 8, 10, 14. Jan 1976

040898 57.8 C734
China recycles her wastes by using them on the land. Blobaum, R *Compost Sci* 16 (5): 16-17. Autumn 1975

040899 57.8 C734
Revegetating bituminous strip-mine spoils with municipal wasstewater. II. Quality of the leachate and spoil chemical changes. Edgerton, B R; Sopper, W E; Kardos, L T *Compost Sci* 16 (5): 10-15. Autumn 1975

040900 57.8 C734
The economic value of organic matter in crop production. Cox, J *Compost Sci* 16 (5): 24-25. Autumn 1975

040901 73.8 C82
Correcting the fertility of cotton land showing deficiencies of the major elements [Fertilizers]. (Fre) Deat, M *Coton Fibres Trop* 30 (2): 245-262. Ref. Eng. Sum. June 1975

040902 73.8 C82
Foliar diagnosis and potassium nutrition in the cotton plant. (Fre) Braud, M *Coton Fibres Trop* 30 (2): 237-244. Ref. Eng. Sum. June 1975

040903 73.8 C82
Togo tricalcic natural phosphates in cotton growing: balance of two pluriannual trials Dossou, N. (Fre) Cretenet, M *Coton Fibres Trop* 30 (2): 231-236. Eng. Sum. June 1975

040904 99.8 D23
Negative secondary effect from green manuring with yellow lupine [Fertilizing Picea abies and Picea omorika]. (Dan) Moltesen, P *Dan Skovforen Tidsskr* 60 (1): 25-45. Ref. Eng. Sum. 1975

040905 S590.C62
Cultivation and fertilizer effects on the growth and foliage nutrient concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). Raupach, M; Clarke, A R P; Gibson, B F; Cellier, K M *Div Soils Tech Pap C S I R O* 25, 20 P. 1975

040906 SB13.E35
Iron and manganese status of citrus trees grown in Egypt inrelation to location, variety, and plant organ. el Gazzar, A M; Minessy, F A; Taha, W; Naguib, M *Egypt J Hortic* 2 (1): 117-128. Ref. 1975

040907 HD1401.E9
Fertiliser prices will rise but UK [United Kingdom] outlook brighter. Cherry, M *Euro-Farm Bus* 4 (4): 18-22. Dec 1975

040908 22 F223
Studies on mulching in coconut nursery. Patil, V K *Farm J (Calcutta)* 16 (6): 15-18. Ref. Apr 1975

040909 22 F223
Studies on the compatibility of foliar application of urea with weedicide, fungicide and insecticide in upland rice. Tosh, G C; Patro, G K *Farm J (Calcutta)* 16 (5): 17-19. Ref. Mar 1975

040910 18 W763
Agrochemical centre of Delitzsch increased performance and workmanship in mineral fertilization. (Ger) Heymann, W; Herrmann, H *Feldwirtschaft* 16 (11): 503-505. Nov 1975

040911 18 W763
Effective use of urea as a nitrogen fertiliser in crop farming. (Ger) Kretschmar, M; Ansorge, H; Jauert, R; Gorlitz, H; Knappe, S *Feldwirtschaft* 16 (10): 455-458. Oct 1975

040912 18 W763
Effective utilisation of manure from livestock farming [Fertilizers]. (Ger) Asmus, F; Breternitz, R; Lange, H; Meyer, R *Feldwirtschaft* 16 (11): 498-501. Nov 1975

040913 18 W763
Industrial organization of phosphorus, potassium fertilization by agrochemical centers. (Ger) Janicke, G; Siegmeyer, K *Feldwirtschaft* 16 (10): 462-465. Oct 1975

040914 18 W763
Nitrogen fertilisation of winter cereals. (Ger) Schnee, M; Hartung, M *Feldwirtschaft* 16 (10): 447-450. Oct 1975

040915 18 W763
Recent results and experience in transport, handling and storage of urea and other mineral fertilisers. (Ger) Janicke, G; Kremser, M *Feldwirtschaft* 16 (10): 458-461. Oct 1975

040916 18 W763
Recommendations for short-term no-delay application of semiliquid manure, using cultivation equipment [Fertilizers]. (Ger) Kunze, A; Lindner, H; Schendel, *Feldwirtschaft* 16 (11): 501-503. Nov 1975

040917 18 W763
Reproduction of organic matter in soil under conditions of industrialised crop and livestock farming. (Ger) Asmus, F; Gorlitz, H; Koriath, H *Feldwirtschaft* 16 (11): 495-498. Nov 1975

040918 18 W763
Results from nitrogen fertilization of potato plots. (Ger) Schnee, M *Feldwirtschaft* 16 (10): 453-455. Oct 1975

040919 18 W763
Systematic and science-based fertilization for intensified mowing-threshing cropping. Experience and results of crop farming cooperative Prohn. (Ger) Simanowski, E; Simchen, H *Feldwirtschaft* 16 (10): 450-453. Oct 1975

040920 57.8 F4123
Economising nitrogen fertiliser use for rice production in West Bengal. Chatterjee, B N; Maiti, S; Das, M; Sengupta, P C *Fert News* 20 (9): 37-39. Sept 1975

040921 57.8 F4123
Effect of fertilisation on the degradation of dicrotophos, disulfoton and phorate in soil. Pandey, S Y; Agnihotri, N P *Fert News* 20 (11): 32-33. Nov 1975

040922 57.8 F4123
Effect of sources and levels of phosphorus on the yield and quality of berseem [Egyptian clover]. Gill, A S; Mannikar, N D; Abichandani, C T *Fert News* 20 (11): 29-31. Ref. Nov 1975

040923 57.8 F4123
Fertiliser needs of mustard appressed mutant. Sahu, B N; Behura, N *Fert News* 20 (9): 32-36. Sept 1975

040924 57.8 F4123
Fertiliser situation in Iran. I. Ghashghai, I; Amirmokri, H *Fert News* 20 (10): 3-12. Oct 1975

040925 57.8 F4123
Handling of fertilisers at Indian ports. Sikdar, B P *Fert News* 20 (11): 3-6, 13. Nov 1975

040926 57.8 F4123
Our neighbours. 2. Fertiliser situation in Kuwait. al Sagar, H A *Fert News* 20 (11): 17-19. Nov 1975

040927 57.8 F4123
Response of paddy to nitrogen, phosphate and potash and their respective economic optima under varying prices. Naphade, J D; Dasgupta, K P; Dhua, S P *Fert News* 20 (10): 22-26. Oct 1975

040928 57.8 F4123
Some operating experiences in a fertiliser complex. Prasad, C S; Ramadurai, S *Fert News* 20 (11): 21-24, 28. Nov 1975

040929 57.8 F4123
Triple superphosphate; certain agronomic considerations. Mishra, U N; Shrotriya, G C *Fert News* 20 (11): 25-28. Ref. Nov 1975

040930 57.8 F4123
Use of incremental cost-benefit ratio in evaluating fertiliser recommendations. Patel, S M *Fert News* 20 (9): 18-21. Sept 1975

040931 S631.F44
Low cost fertilizers are a thing of the past. Horne, E C *Fert Prog* 6 (6): 16-18. Nov/Dec 1975

040932 S631.F44
Use potential profits to sell fertilizer. *Fert Prog* 6 (6): 39-42. Nov/Dec 1975

040933 99.9 V66F
Fertilizer responses in Eucalyptus nitens at Powelltown. May, F J; Pederick, L A; Craig, F G *For Tech Pap For Comm (Victoria)* 22: 11-14. June 1975

040934 19 F75
Development of the 1974/75 fertilizer sales. (Ger) Reiff, M *Forderungsdienst* 23 (11): 376-377. Nov 1975

19 F75
World fertilizer supply and food security. (Ger) Reiff, M *Forderungsdienst* 23 (10): 336-343. Oct 1975

040935 19 F75
1973/74 fertilizer sales in Austria. (Ger) Amann, H *Forderungsdienst* 23 (9): 304-307. Sept 1975

040936 80 G1948
Demand and supply of organic fertilizers in Cottbus county. (Ger) Baumann, E; Schotzig, E B; Petrat, E P *Gartenbau* 22 (12): 362-363. Dec 1975

040937 80 G1948
On the nutrient ratio of fertilizers and earths for ornamental plants. (Ger) Kaufmann, H G; Bohme, L; Kaufmann, G *Gartenbau* 22 (12): 371-373. Dec 1975

040938 80 G1948
Practical results of urea fertilization in ornamental plant growing. (Ger) Zabel, C; Paul, C *Gartenbau* 22 (12): 373-374. Dec 1975

040939 80 G1948
Results of fertilization research applied to the develpment of the Havel fruit growing area. (Ger) Geissler, T; Baumann, E; Hentschel, K; Porsch, S *Gartenbau* 22 (12): 360-361. Dec 1975

040940 80 G1948
Soil temperature, soil moisture and the productivity of young apple trees as influenced by bitumen mulch. (Ger) Schonberg, G *Gartenbau* 22 (12): 365-367. Dec 1975

040941 80 G1948
The effect of macronutrients and their dates of application on the cut flower and seed yield with summer asters [Callistephus chinensis]. (Ger) Tschernewa-Dimowa, S S *Gartenbau* 22 (11): 345-346. Nov 1975

040942 80 G1948
The use of organic fertilizers in fruit growing. (Ger) Sermann, R; Hamhalter, J; Ulrich, G *Gartenbau* 22 (12): 363-364. Dec 1975

040943 80 G1948
Yield-related mineral fertilization for efficient use of mineral fertilizers in field vegetable production. (Ger) Geissler, T *Gartenbau* 22 (12): 357-359. Dec 1975

040944 S19.G74
Fertilizers for developing countries. Singh, T P *Green Revolution* P. 68-70. 1974

040945 S19.G74
Fertilizers pay well even under dryland conditions [India]. Mahapatra, I C; Prasad, R; Bapat, S R *Green Revolution* P. 57-60. 1974

040946 S19.G74
Organic manures for meeting the plant nutrient shortage. Barooah, S R *Green Revolution* P. 66-67. 1974

040947 17 SCH9
Liquid swine manure and sewage sludge need careful supplementation [to fill nutritional requirements of field crops]. (Ger) Schoch, R *Grune* 104 (2): 21-22. Jan 9, 1976

040948 26 H27
A comparison of nitrogenous fertilizers applied to wheat. (Heb) Avnimelech, Y; Gurovitz, A *Hassadeh* 56 (2): 169-170. Nov 1975

040949 100 AL1H
Phosphorus fertilization aids stand establishment on poorlydraned Coastal Plains soils. Hyink, D; Carter, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 16. Winter 1975

040950 340.8 1D5
The effect of weather and climate on the effectiveness of fertilizers. (Hun) Posza, A E; Toth, I *Idojaras* 79 (2): 95-104. Eng. Sum. Mar/Apr 1975

040951 S599.U4A352
Soil cover characteristics in the forest zone of West Siberian plain. Ufimtseva, K A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 156-175. Ref. 1975

040952 S598.H8
Changes in the composition of raw humus and the transport of organic matter as a result of urea fertilization. Ogner, G *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 195-205. Ref. 1972 (Pub. 1975)

040953 SD645.P6
Appearance of potash deficiency in the course of rotations cotton/food crops on a ferrallitic soil in the Central African Republic. (Fre) Dubernard, J *In Potassium in Tropical Crops and Soils* P. 279-289. Eng. Sum. 1974

040954 SD645.P6
Balance and dynamics of potassium under forage crops in humid tropical areas. (Fre) Hainnaux, G; Talineau, J C; Fillonneau, C; Bonzon, B; Picard, D; Sicot, M *In Potassium in Tropical Crops and Soils* P. 291-303. Eng. Sum. 1974

040955 SD645.P6
Crop responses to potash in Sierra Leone. Haque, I *In Potassium in Tropical Crops and Soils* P. 513. 1974

040956 SD645.P6
Effects of potassium fertilization on Hevea grown on tertiary sandy soils in the savannah of the lower Ivory Coast. (Fre) Du Plessix, C J; Eschbach, J M; Cornier, A *In Potassium in Tropical Crops and Soils* P. 185-207. Ref. Eng. Sum. 1974

040957 SD645.P6
Evolution of mineral nutrition of Hevea in the Ivory Coast in function of vegetative cycle according to foliar diagnosis. (Fre) Bouychou, J G *In Potassium in Tropical Crops and Soils* P. 209-214. Eng. Sum. 1974

040958 SD645.P6
Extension and marketing of fertilizers in the Ivory Coast. (Fre) *In Potassium in Tropical Crops and Soils* P. 561-567. Eng. Sum. 1974

040959 SD645.P6
Foliar diagnosis and potassium nutrition of cotton. (Fre) Braud, M *In Potassium in Tropical Crops and Soils* P. 265-277. Ref. Eng. Sum. 1974

040960 SD645.P6
Influence of fertilisation level on nutrient balance of two forage plants grown on a sandy soil of the lower Ivory Coast. (Fre) Roose, E J; Talineau, J C *In Potassium in Tropical Crops and Soils* P. 305-320. Ref. Eng. Sum. 1974

040961 SD645.P6
Methods for introducing fertilizer use into farming practice. Arnon, I *In Potassium in Tropical Crops and Soils* P. 569-584. Ref. 1974

040962 SD645.P6
Potassium fertilization in relation to other production factors. (Fre) Richard, L *In Potassium in Tropical Crops and Soils* P. 333-357. Ref. Eng. Sum. 1974

040963 SD645.P6
Potassium responses of various crops in East Africa. Anderson, G D *In Potassium in Tropical Crops and Soils* P. 413-437. Ref. 1974

040964 SD645.P6
Potassium response of rice in Madagascar. (Fre) Velly, J *In Potassium in Tropical Crops and Soils* P. 453-465. Eng. Sum. 1974

040965 SD645.P6
Problems of experimental design [for fertilisation] in tropical regions. Walker, P *In Potassium in Tropical Crops and Soils* P. 359-373. Ref. 1974

040966 SD645.P6
Progression in fertilizer use, particularly of potash fertilization in relation with productivity of Hevea. (Fre) Compagnon, P *In Potassium in Tropical Crops and Soils* P. 475-483. Ref. Eng. Sum. 1974

040967 SD645.P6
Recent works carried out by the Institute of Tropical Agronomic Research and Food Crops in the area of potassium fertilization of tropical soils. (Fre) Chaminade, R *In Potassium in Tropical Crops and Soils* P. 557-560. 1974

040968 SD645.P6
Residual effects of phosphorus and potassium fertilizers on shaded cocoa (Theobroma cacao L.) in Ghana. Ahenkorah, Y *In Potassium in Tropical Crops and Soils* P. 507-512. 1974

040969 SD645.P6
Response of sweet potato (Ipomea batatas), to potassium fertilization on a red Oxisoil in Tanzania. Uriyo, A P *In Potassium in Tropical Crops and Soils* P. 495-497. 1974

040970 SD645.P6
Response to potassium fertilization in the FAO [Food and Agriculture Organization] fertilizer programme in Africa (1961-1972). (Fre) Mathieu, M *In Potassium in Tropical Crops and Soils* P. 399-412. Eng. Sum. 1974

040971 SD645.P6
Some factors affecting effective fertiliser use in the agriculture of Nigeria. Nwinyi, S C O *In Potassium in Tropical Crops and Soils* P. 499-505. Ref. 1974

040972 SD645.P6
Study on the reestablishment of fertility on cotton soils showing potassium deficiency. (Fre) Deat, M *In Potassium in Tropical Crops and Soils* P. 485-493. Eng. Sum. 1974

040973 SD645.P6
The effects of potassium supply on growth and nutrient composition of teak (Tectona grandis L.f.) seedlings. Nwoboshi, L C *In Potassium in Tropical Crops and Soils* P. 513. 1974

040974 SD645.P6
The influence of nutrition on the chemical properties of some tropical plantation crop products [Hevea, oilpalm, cocoa, fertilization]. Kee, N S *In Potassium in Tropical Crops and Soils* P. 249-264. Ref. 1974

040975 SD645.P6
The influence of potassium nutrition on the yield and chemical composition of some tropical root and tuber crops [Fertilizers]. Obigbesan, G O *In Potassium in Tropical Crops and Soils* P. 439-451. Ref. 1974

040976 SD645.P6
The role of fertilisers in overall economic development and obstacles hindering the increase of fertiliser use in tropical Africa. Steiner, R W *In Potassium in Tropical Crops and Soils* P. 585-593. 1974

040977 SD645.P6
The use of fertilisers in the maintenance of soil fertility under intensive cropping in northern Nigeria. Heathcote, R G *In Potassium in Tropical Crops and Soils* P. 467-474. 1974

040978 S471.I4S92
Effect of coal fertilizer and Thomas phosphate in manuring rice. George, C K; Dhar, N R *In Symp on Green Revolution* P. 173-176. 1974

S471.I4S92
Effect of rock phosphate in cojunction with organic matter in increasing the essential oil contents of Mentha arvensis. Gupta, S B; Dhar, N R; Ghildyal, B P *In Symp on Green Revolution* P. 149-152. 1974

S471.I4S92
Green Revolution and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the protein problem. Dhar, N R *In Symp on Green Revolution* P. 1-123. 1974

040979 S471.I4S92
Green Revolution under limited nitrogenous fertilizer availability. Majumdar, S K *In Symp on Green Revolution* P. 193-197. 1974

040980 S471.I4S92
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. Dhar, N R; Singh, J N *In Symp on Green Revolution* P. 177-182. 1974

040981 22 IN283
In alkali soils urea spraying for saving nitrogen and more wheat. Dargan, K S; Nitant, H C; Bhumbla, D R *Indian Farming* 25 (7): 11. Oct 1975

040982 65.8 IN26
Availability of applied phosphate in the soils of white sugar belt of North Bihar. Sahi, B P; Mukherjee, S R; Prased, M *Indian Sugar* 25 (5): 401-403. Aug 1975

040983 65.8 IN26
Boosting sugarcane quality through nitrogen application in relation to irrigation. Mathur, B K; Tripathi, K B *Indian Sugar* 25 (5): 389-392. Ref. Aug 1975

040984 65.8 IN26
Effect of sodium metasilicate (foliar application) on juice quality, fiber and yield of sugar in Co. 419 [variety]. Chiranjivi Rao, K; Thangavelu, S; Lalitha, E *Indian Sugar* 25 (5): 427-432. Ref. Aug 1975

040985 65.8 IN26
Studies on the efficacy of micro-nutrient application for sugarcane in the Cuddalore tract. Altaf Ahmed, S; Narasimhan, K T; Ramamoorthy, N; Swayamprakasam, S; Rajan, S D *Indian Sugar* 25 (5): 395-399. Aug 1975

040986 20 M57AG
Agrochemical services for the collective and state farms of Belorussia [Fertilizers]. (Ger) Kulakowskaja, T *Int Z Landwirtsch* 6: 627-631. 1975

040987 20 M57AG
Development of agrochemical centers in Czechoslovakia [Fertilizer industry]. (Ger) Stepan, M *Int Z Landwirtsch* 6: 644-647. 1975

040988 20 M57AG
Elaboration of fertilizer recommendations in the German Democratic Republic and their use by socialist farms. (Ger) Witter, B; Kolbe, G *Int Z Landwirtsch* 6: 635-639. 1975

040989 20 M57AG
Mineral fertilizers as the basis for increasing crop yields. (Ger) Pannikow, W *Int Z Landwirtsch* 6: 639-643. 1975

040990 20 M57AG
Organization of agrochemical service in Cherkassy Region [Fertilizers, field crop yields]. (Ger) Gruscha, P *Int Z Landwirtsch* 6: 647-650. 1975

040991 20 M57AG
The scientifically founded agrochemical care and control of agriculture in Hungary [Fertilizers, plant protection]. (Ger) Gerei, L *Int Z Landwirtsch* 6: 623-626. 1975

040992 381 J8223
Purification of phosphoric acid with methanol and ammonia [solution fertilizer production]. McCullough, J F; Frederick, L L *J Agric Food Chem* 24 (1): 180-187. Jan/Feb 1976

040993 10 J822
Effect of urea and ammonium sulphate applied before sowing on sudangrass [Sorghum sudanese] seedlings. Worker, G F Jr *J Agric Sci (Camb)* 86 (1): 17-21. Feb 1976

040994 10 J822
Response by sugarbeet to superphosphate, particularly in relation to soils containing little available phosphorus. Draycott, A P; Durrant, M J *J Agric Sci (Camb)* 86 (1): 181-187. Ref. Feb 1976

040995 10 J822
The significance of crop residues to the maintenance of [soil] fertility under continuous cultivation at Samaru, Nigeria. Jones, M J *J Agric Sci (Camb)* 86 (1): 117-125. Feb 1976

040996 410 J828
Production and dynamics of salt marsh vegetation and the effects of experimental treatment with sewage sludge. Biomass, production and species composition. Valiela, I; Teal, J M; Sass, W J *J Appl Ecol* 12 (3): 973-981. Ref. Dec 1975

040997 QH540.J6
Disposition of fertilizer nitrate applied to a swelling clay soil in the field [Sorghum]. Kissel, D E; Smith, S J; Dillow, D W *J Environ Qual* 5 (1): 66-71. Ref. Jan/Mar 1976

040998 QH540.J6
Effect of dairy cattle manure on millet and rye forage and soil properties. Mugiwra, L M *J Environ Qual* 5 (1): 60-65. Ref. Jan/Mar 1976

040999 QH540.J6
Nitrogen and phosphorus losses from winter disposal of dairy manure. Klausner, S D; Zwerman, P J; Ellis, D F *J Environ Qual* 5 (1): 47-49. Ref. Jan/Mar1976

041000 QH540.J6
The influence of applied phosphorus, manure, or lime on uptake of lead from soil [by maize]. Zimdahl, R I; Foster, J M *J Environ Qual* 5 (1): 31-34. Ref. Jan/Mar1976

QH540.J6
Treatment of potato processing waste water on agricultural land. Smith, J H *J Environ Qual* 5 (1): 113-116. Ref. Jan/Mar 1976

041001 275.9 N213
Fertilizer: can its appropriate use solve the world food crisis? Nelson, L B *J Natl Assoc Coll Teach Agric* 19 (2): 27-30. June 1975

041002 HD1491.G3K6
Proposal for formation of relations between plant and livestock production in the sphere of the liquid manure industry. (Ger) Schmerler, J; Zimmermann, K H; Asmus, F; Breitschuh, G; Dittrich, G; Dorfer, W *Kooperation* 9 (10): 468-471. Oct 1975

041003 HD1491.G3K6
Regulation of the delivery and utilization of liquid manure for the greatest common benefit [East Germany]. (Ger) Schobl, R; Hermsdorf, D *Kooperation* 9 (11): 520-522. Nov 1975

041004 SB193.A1L8
How to raise the nutritive value of the fodder beet [Mineral fertilizers]. (Rus) Evseev, V; Cheglakova, Z; Zakharova, G *Korma* 3: 28. May/June 1975

041005 SB193.A1L8
Lime and peat-mineral-ammonia fertilizers on drained [pasture] lands. (Rus) Vakhimistrova-Blokhina, S *Korma* 3: 42-43. May/-June 1975

041006 SB193.A1L8
Micronutrients on timothy [Phleum] plantings. (Rus) Dulesova, K *Korma* 3: 43-44. May/June 1975

041007 SB193.A1L8
Top dressing of maize with urea from airplane. (Rus) Pavlov, A; Kudzin, IU; Lukashev, A; Riasinskii, IU; Kogut, M *Korma* 3: 23-24. May/June 1975

041008 11 L2322
Lime introduction and nitrogen fertilizer. (Dan) Nissen, G *Landbo Nyt* 29 (9): 500, 503-504. Sept 1975

041009 11 UP62
Effects of nitrogen fertilization on the quantity and quality of protein in barley grains. (Swe) Jonsson, L; Johansson, O *Lantbrukshogsk Medd, Ser A* 248, 64 P. Ref. Eng. Sum. 1975

041010 11 UP62
Nitrogen fertilization of spring wheat. (Swe) Jonsson, L *Lantbrukshogsk Medd, Ser A* 246, 44 P. Eng. Sum. 1975

041011 11 UP62
Response of barley cultivars grown at two nitrogen levels. (Swe) Bengtsson, A *Lantbrukshogsk Medd, Ser A* 247, 24 P. Map. Eng. Sum. 1975

041012 448.3 M582AE
Effect of mineral and organic fertilizers on the development of algae in a sod-podzolic soil. Balezina, L S *Microbiology* 44 (2): 306-309. Mar/Apr 1975

041013 100 M668
A soil scientist's view of eating meat [Fertilizers]. Adams, R S Jr; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 4-7. Fall 1975

041014 105.9 K696
Rational fertilization in large vineyards on the basis of foliar analysis. (Ger) Balo, E; Panczel, M; Prileszky, G; Gentischer, G *Mitt Hohere Bundeslehr Versuchsanst Wein Obstbau* 25 (3): 171-180. Ref. Eng. Sum. 1975

041015 S19.M9
Effect of black polyethylene mulch on the growth, earliness and yield of cauliflower (Brassica oleracea var. botrytis). Halappa, G; Sreenivas, L *Mysore J Agric Sci* 9 (3): 400-407. 1975

041016 S19.M9
Least cost combination of fertilizers—an application of linear programming technique. Sastry, K N R; Ramanna, R *Mysore J Agric Sci* 9 (3): 486-493. 1975

041017 514 N482
Sulphur received in rainfall and leached from a yellow brown loam. Muller, F B *N Z J Sci* 18 (2): 243-252. Map. Ref. June 1975

041018 472 N21
Evidence for a new aluminium phosphate phase from reaction rate of phosphate with aluminium hydroxide [Soil fertility]. Riemsdijk, W H van; Weststrate, F A; Bolt, G H *Nature* 257 (5527): 473-474. Oct 9, 1975

041019 12 N3892
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. Wilson, J R *Neth J Agric Sci* 23 (2): 104-112. Ref. 1975

041020 64.8 N76
Changes in certain qualitative features of winter wheat varieties as a response to fertilization and irrigation. (Hun) Szaniel, I; Palvolgyi, L; Kertesz, Mrs Z *Novenytermeles* 24 (3): 219-226. Ref. Eng. Sum. Sept 1975

041021 64.8 N76
Effect of fertilization on yield and composition in different potato varieties. III. Effect of fertilization and rainfall on tuber number per plant and its correlation with yield in different potato varieties. (Hun) Nemeth, I *Novenytermeles* 24 (3): 227-234. Ref. Eng. Sum. Sept 1975

041022 64.8 N76
Parameters for winter wheat growing on Chernozem soil. III. Correlations between method of fertilization and physical state of soil. (Hun) Szirtes, V *Novenytermeles* 24 (3): 235-242. Eng. Sum. Sept 1975

041023 77.8 OL2
Yield improvement of coconut in elevated inland area of Davao (Philippines) by KCl [potassium chloride] fertilization. (Fre) Magat, S S; Cadigal, V L; Habana, J A *Oleagineux* 30 (10): 413-418. Ref. Oct 1975

041024 80 P39
Possibilities of fertilizing irrigation [Horticulture]. (Fre) Gouny, P *Pepinier Hortic Maraich* 161: 29-32. Nov 1975

041025 241 IN832
Agronomic results with polyphosphate fertilizers. Terman, G L *Phospho Agric* 29 (65): 21-26. Ref. Sept 1975

041026 241 IN832
Fertilizer use. (Fre) *Phospho Agric* 28 (66, Special Issue), 41 P. 1975

041027 241 IN832
New developments in fertilizer technology. Davis, C H *Phospho Agric* 29 (65): 27-33. Ref. Sept 1975

041028 241 IN832
The economics of fertiliser usage on grassland. Heavy, J F; Kearney, B *Phospho Agric* 29 (65): 9-20. Sept 1975

294.8 P56
Elasticity of fertilizer demand. *Phospho Potas* 80: 26-32. Nov/Dec 1975

041029 294.8 P56
Triple superphosphate manufacture [Mineral fertilizers]. Yarnell, J J *Phospho Potas* 80: 33-38. Nov/Dec 1975

041030 S590.P6
Dates and methods for urea and ammonium nitrate application to irrigated maize on soils having a heavy mechanical composition. (Bul) Atanasov, S *Pochvozn Agrokhim* 10 (5): 106-114. 1975

041031 S590.P6
Investigations on accumulative phosphorus and potassium dressing in a six-course field crop rotation. (Bul) Stanchev, L; Matev, I; Mashev, N; Gorbanov, S; Tanev, Z; Ivanov, K *Pochvozn Agrokhim* 10 (5): 62-71. Ref. Eng. Sum. 1975

041032 S590.P6
Problems of modern intensive fertilizer application on farm crops in Bulgaria. (Bul) Enikov, K; Ilkov, D *Pochvozn Agrokhim* 10 (5): 10-17. 1975

041033 S590.P6
The effect of fertilizer application to peas grown for grain, in various soil and climatic areas in Bulgaria. (Bul) Mamarova, L; Fudulov, D; Marinova, R; Ivanov, S; Vakuvchiev, D; Prodanov, I *Pochvozn Agrokhim* 10 (5): 84-98. Ref. Eng. Sum. 1975

041034 S590.P6
The effect of preceding fertilizer application on the maximum phosphate sorbtion of the Cinnamonic Forest soil. (Bul) Velchev, V; Slavov, D *Pochvozn Agrokhim* 10 (5): 78-83. Ref. Eng. Sum. 1975

041035 S590.P6
The effect of regular annual dressing on phosphates in strongly leached Chernozem. I. Changes in the supply and forms of active inorganic phosphates. (Bul) Konstantinov, G P *Pochvozn Agrokhim* 10 (5): 72-77. Ref. Eng. Sum. 1975

041036 S590.P6
The efficiency of superphosphate-phosphorite fertilizer applied to mixed grasses in the Troyan area. (Bul) Totev, T V; Koev, K I *Pochvozn Agrokhim* 10 (5): 99-105. Ref. Eng. Sum. 1975

041037 57.9 F41
Modern sulphuric acid practice [Fertilizer manufacture]. Ketjen, G T *Proc Fert Soc Lond* 140, 53 P. 1974

041038 56.9 SO3
Effect of lime on boron transport to and uptake by cotton. Scott, H D; Beasley, S D; Thompson, L F *Proc Soil Sci Soc Am* 39 (6): 1116-1121. Ref. Nov/Dec 1975

041039 56.9 SO3
Effect of method of nitrogen application on corn (Zea mays L.) grown on irrigated sandy soils. Rehm, G W; Wiese, R A *Proc Soil Sci Soc Am* 39 (6): 1217-1220. Ref. Nov/Dec 1975

041040 56.9 SO3
Effect of surface applied sulfuric acid on water penetration into dry calcareous and sodic soils. Yahia, T A; Miyamoto, S; Stroehlein, J L *Proc Soil Sci Soc Am* 39 (6): 1201-1204. Nov/Dec 1975

041041 56.9 SO3
Infiltration of organic phosphate compounds in soil. Rolston, D E; Rauschkolb, R S; Hoffman, D L *Proc Soil Sci Soc Am* 39 (6): 1089-1094. Ref. Nov/Dec 1975

041042 56.9 SO3
Initial release of nitrogen from ureaform under field conditions [of Israel, bananas]. Hadas, A; Kafkafi, U; Peled, A *Proc Soil Sci Soc Am* 39 (6): 1103-1105. Nov/Dec 1975

041043 56.9 SO3
Nitrate movement and its distribution in the soil profile of differentially fertilized corn watersheds [in Iowa]. Schuman, G E; McCalla, T M; Saxton, K E; Knox, H T *Proc Soil Sci Soc Am* 39 (6): 1192-1197. Map. Ref. Nov/Dec 1975

041044 56.9 SO3
Potassium in an arid loessial soil: changes in availability as related to cropping [sequences] and fertilization. James, D W; Weaver, W H; Roberts, S; Hunter, A H *Proc Soil Sci Soc Am* 39 (6): 1111-1115. Nov/Dec 1975

041045 56.9 SO3
Reaction products of polyphosphates and orthophosphates with soils and influence on uptake of phosphorus by plants [Maize]. Subbarao, Y V; Ellis, R Jr *Proc Soil Sci Soc Am* 39 (6): 1085-1088. Nov/Dec 1975

041046 56.9 SO3
The influence of pH [hydrogen-ion concentration] on the adsorption of phosphate by soils from the Guinea and Sudan savannah zones of Nigeria. Mokwunye, U *Proc Soil Sci Soc Am* 39 (6): 1100-1102. Ref. Nov/Dec 1975

041047 56.9 SO3
The use of a specific ion electrode for determination of bromide in soils [Tracer studies of the movement and distribution of nitrogen fertilizers]. Onken, A B; Hargrove, R S; Wendt, C W; Wilke, O C *Proc Soil Sci Soc Am* 39 (6): 1223-1225. Nov/Dec 1975

041048 S613.A1T8
Effluent [for irrigation] as defined by water quality. Berry, W L *Proc Turfgrass Sprinkler Irrig Conf* 13th: 17-20. 1975

041049 S613.A1T8
Land application of municipal effluent waste [for irrigation] on turf. Johnson, G V *Proc Turfgrass Sprinkler Irrig Conf* 13th: 21-31. 1975

041050 21 R862
Amendment of alkalized and alkaline soils in the Socialist Republic of Romania. (Rum) Sandu, G; Blanaru, V *Prod Veg Cereale Plante Teh* 27 (4): 23-31. 1975

041051 21 R862
Applying fertilizers in wheat, depending on the preceding crop. (Rum) Burlacu, G *Prod Veg Cereale Plante Teh* 27 (8): 15-18. Aug 1975

21 R862
Applying of mineral fertilizers during mechanical hoeing of crops. (Rum) Langu, G *Prod Veg Cereale Plante Teh* 27 (5): 22-25. 1975

041052 21 R862
Efficiency of fertilizers in hemp crops for yarn. (Rum) Deac, I *Prod Veg Cereale Plante Teh* 27 (6): 26-27. June 1975

041053 21 R862
Experimental results obtained with non-conventional fertilizers in irrigated sugarbeet crops. (Rum) Ionescu-Sisesti, V; Teodoriu, A; Jinga, I; Nica, O; Oprea, M *Prod Veg Cereale Plante Teh* 27 (5): 26-32. Eng. Sum. 1975

041054 21 R862
Some aspects of the application of fertilizers to wheat on Brown-Reddish forest soil. (Rum) Bilteanu, G; Jovmir, G; Dinca, D; Roman, G *Prod Veg Cereale Plante Teh* 26 (10): 18-24. Eng. Sum. Oct 1974

041055 6 T311
Recycled manure: a moneysaver and answer to a problem. Thompson, W *Prog Farmer (Birmingham)* 90 (12): 20-21. Dec 1975

041056 S19.P7
Apply zinc to wheat. Saini, R S; Singh, B; Mehra, P L *Prog Farming* 12 (3): 9. Nov 1975

041057 100 P381P
Response of cool-season turfgrasses [Poa pratensis, Festuca rubra] to liquid applications of fertilizer. Waddington, D V; Turner, T R; Duich, J M; Pennsylvania Agricultural Experiment Station *Prog Rep Pa State Univ Agric Exp Stn* 350, 31 P. Ref. June 1975

041058 275.29 M313
Fertilizer recommendations for the home garden. *Pub (Manit Dep Agric)* 418, Rev., 11 P. 1975

041059 7 C16PU
Fertilizer schedule for greenhouse tomatoes and cucumbers in southwestern Ontario. Ward, G M *Publ Agric Can* 1562, 8 P. 1975

041060 SB23.C6A3
Annotated bibliography on the use of bark in growing media, 1963-1974 [Composts]. *Query File Commonw Bur Hortic Plant Crops* 13/75, 4 P. Apr 1975

041061 SB23.C6A3
Annotated bibliography on rose nutrition, including supplementary CO2 [carbon dioxide], 1970-1975. *Query File Commonw Bur Hortic Plant Crops* 20/75, 6 P. July 1975

041062 64.8 R18
Action and interaction of nitrogen, phosphorus and potassium in sunflower fertilization on calcareous soils. (Bul) Stamboliev, M; Borisov, G *Rastenievud Nauk* 12 (6): 102-107. Eng. Sum. 1975

041063 S543.V5V5
Effect on soil and plant mineral levels following three annual applications of swine manures of different copper contents. Kornegay, E T; Hedges, J D; Martens, D C; Kramer, C Y *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 212-215. July 1975

041064 100 OK4M
A comparison of [the fertilizer] Osmocote 18-6-12 and 18-913 for use in containers [Juniperus chinensis, Ilex cornuta]. Whitcomb, C E; Goodale, T; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 40-41. Oct 1975

041065 100 OK4M
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. Whitcomb, C E; Bean, R R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 33-36. Oct 1975

041066 100 OK4M
Effects of soil amendments and fertilizer on the establishment of silver maple (Acer saccharinum) in two soil types. Schulte, J R; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 7-10. Oct 1975

041067 100 OK4M
Effects of sulfur on reducing the pH [hydrogen-ion concentration] of an alkaline soil. Remon, J; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 12-13. Oct 1975

041068 100 OK4M
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. Glenn, R; Hogan, C; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 43-45. Oct 1975

100 OK4M
Nursery Research Field Day [Culture of ornamental plants]. Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724, 55 P. Oct 1975

041069 100 OK4M
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of single superphosphate in two container sizes. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 37-38. Oct 1975

041070 100 OK4M
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of micronutrient fertilizer in two container sizes. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 39-40. Oct 1975

041071 13 R322
Development of production, foreign trade and consumption of chemical fertilizers. Situation in the world, the European Economic Community and Belgium. (Fre) Meskens, L *Rev Agric (Brux)* 28 (5, Special No.): 1041-1072. Sept/Oct 1975

041072 13 R322
Distribution of phosphate and potassium fertilizers in the topsoil, applied on the surface or absorbed in the soil. (Fre) Raimond, Y *Rev Agric (Brux)* 28 (5, Special No.): 1085-1115. Ref. Sept/Oct 1975

041073 13 R322
Estimation of soil nitrogen reserves by determination of mineral nitrogen. (Fre) Guiot, J *Rev Agric (Brux)* 28 (5, Special No.): 1117-1132. Ref. Sept/Oct 1975

041074 13 R322
Fertilization of ornamental plants. (Fre) Gabriels, R *Rev Agric (Brux)* 28 (5, Special No.): 1267-1278. Sept/Oct 1975

041075 13 R322
Fertilization of fruit trees. (Fre) Trzcinski, T *Rev Agric (Brux)* 28 (5, Special No.): 1279-1302. Ref. Sept/Oct 1975

041076 13 R322
Fertilizing value of various liquid fertilizers. (Fre) Darcheville, M *Rev Agric (Brux)* 28 (5, Special No.): 1073-1084. Sept/Oct 1975

041077 13 R322
Mineral fertilizers and biological agriculture. (Fre) Droeven, G *Rev Agric (Brux)* 28 (5, Special No.): 1149-1159. Sept/Oct 1975

041078 13 R322
Mineral fertilization of sugarbeets. (Fre) Roussel, N; Jardin, A *Rev Agric (Brux)* 28 (5, Special No.): 1203-1227. Sept/Oct 1975

041079 13 R322
Nitrogen fertilization of cereals. (Fre) Laloux, R; Poelaert, J; Falisse, A *Rev Agric (Brux)* 28 (5, Special No.): 1173-1202. Sept/Oct 1975

041080 13 R322
Phospho-potassium fertilizers and organic amendments. (Fre) Crohain, A *Rev Agric (Brux)* 28 (5, Special No.): 1133-1148. Sept/Oct 1975

041081 13 R322
Special fertilization of potatoes. (Fre) Nys, L *Rev Agric (Brux)* 28 (5, Special No.): 1229-1241. Sept/Oct 1975

041082 13 R322
The optimal nitrogen, phosphorus and potassium fertilization of grasslands. (Fre) Andries, A P; Carlier, L A *Rev Agric (Brux)* 28 (5, Special No.): 1161-1171. Ref. Eng. Sum. Sept/Oct 1975

041083 13 R322
Thoughts on the fertilization of some vegetables. (Fre) Anthonissen, J J; Plumier, W; Tilkin, V E *Rev Agric (Brux)* 28 (5, Special No.): 1243-1265. Ref. Sept/Oct 1975

9 R3222
Studies on clonal selection of sugarcane at different levels of nitrogen fertilization [Breeding, heredity]. (Spa) Mariotti, J A; Gimenez Lascano, O *Rev Agron Noroeste Argent* 12 (1/2): 65-78. Eng. Sum. 1975

041084 49 P943
Change of the floristic composition in some meadows under the influence of fertilizing. (Rum) Tucra, I *Rev Cresterea Anim* 25 (7): 14-19. July 1975

041085 49 P943
Data about the influence of fertilizing and irrigation on the quality of artificial meadows. (Rum) Vines, V; Les, V *Rev Cresterea Anim* 25 (7): 9-13. July 1975

041086 80 SA15
Effect of doses of nitrogen fertilizers on yield and quality of apple tree seedlings. (Rus) Rud', G IA; Babuk, V I; Ungurian, A M *Sadovod Vinograd Vinodel Mold* 7: 37-38. July 1975

041087 80 SA15
Effect of systematic application of fertilizers on grape yield. (Rus) Buzhak, F T; Dolgoborodova, V P *Sadovod Vinograd Vinodel Mold* 7: 22-24. July 1975

041088 80 SA15
Effectiveness of fertilizers on perennial stands on terraces [Grapes, vegetables]. (Rus) Ragimov, K S; Seidova, Kh K; Seidov, A P *Sadovod Vinograd Vinodel Mold* 7: 29-31. July 1975

041089 80 SA15
The effect and aftereffect of fertilizers on vineyards [Yields, growth]. (Rus) Negovelov, S F; Abaev, A G; Perov, N N; Perova, L I *Sadovod Vinograd Vinodel Mold* 8: 19-21. Aug 1975

041090 80 SA15
The effect of mineral fertilizers on apple tree yield. (Rus) TSipko, A A; Eronova, A L; Entenzon, M M; Denisenko, IA IA *Sadovod Vinograd Vinodel Mold* 7: 12-15. July 1975

041091 80 SCH9
Fertilizers applied to grapes. (Ger) Gysi, C; Koblet, W *Schweiz Z Obst Weinbau* 111 (25): 653-664. Map. (Concluded) Nov 29, 1975

041092 80 SCH9
Use of garbage compost in grape culture. (Ger) Gysi, C; Koblet, W *Schweiz Z Obst Weinbau* 111 (20): 514-519. Ref. Sept 20, 1975

99.9 F497
Afforestation of bogs after industrial exploitation of peat [Pinus, Alnus, foliar diagnosis]. (Fin) Mikola, P *Silva Fenn* 9 (2): 101-115 Ref. Eng. Sum. 1975

041093 9.3 SI4
Use of diammonium phosphate on winter wheat. (Spa) Urbina de Alcayaga, A; Altamirano S, S; Polle O, E *Simiente* 45 (2): 24-28. Ref. Apr/June 1975

041094 511 AK146
Mineral forms of phosphates assimilated by vineyards in conditions of recultivation. (Rus) Gogatishvili, A D; Dolidze, TS V; Lezhava, V V *Soobshch Akad Nauk Gruz SSR* 80 (1): 129-132. Eng. Sum. Oct 1975

041095 57.8 P34AE
Effect of soil organic matter and of organic fertilizers on the mobility of radiostrontium and its availability to plants. Kvartskhelia, N T; Gamazova, YE K; Labadze, N A *Sov Soil Sci* 7 (3): 305-313. Ref. May/June 1975

041096 57.8 P34AE
Molybdenum in the soils of Andizhan oblast and prospects for using molybdenum micronutrients [Irrigation]. Dekhkankhodzhayeva, S Kh; Kruglova, YE K *Sov Soil Sci* 7 (3): 314-320. May/June 1975

041097 57.8 P34AE
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy loam soil. Koren'kov, D A; Romanyuk, L I; Varyushkina, N M; Kirpaneva, L I *Sov Soil Sci* 7 (2): 244-249. Ref. Mar/Apr 1975

041098 57.9 ST52
Fertilization and botanical composition of grassland. (Dut) Dirven, J G P; Neuteboom, J H *Stikstof ('S Grav)* 80 (7): 224-231. Ref. Sept 1975

041099 57.9 ST52
Nitrogen fertilization of grassland. 8. Effect of previously applied nitrogen. (Dut) Prins, W H; Burg, P F J van *Stikstof ('S Grav)* 80 (7): 232-240. Sept 1975

041100 57.9 ST52
Nitrogen fertilization of maize. (Dut) Hag, B A ten *Stikstof ('S Grav)* 80 (7): 241-246. Ref. Sept 1975

041101 9.6 SU7
Early results of a comparison between a nitrogen-rich and a potassium-rich fertilizer in dwarf coconut palms. Schut, B *Surinaam Landbouw* 23 (1): 1-9. Map. 1975

041102 9.6 SU7
Phosphate fertilizing of rice in Surinam; a summary of results. Veltkamp, H J *Surinaam Landbouw* 23 (1): 10-18. Ref. 1975

041103 99.8 SY52
Conference of coordinators for the Project No. 11.2 "Fertilization of young plantations and forest stands" under the Council for Mutual Economic Assistance. (Pol) Kowalkowski, A; Janiszewski, B *Sylwan* 119 (7): 82-90. Ref. July 1975

041104 AS591.A222
Urban hydrology for small watersheds. U.S. Soil Conservation Service Engineering Division *Tech Release U S Soil Conserv Serv Eng Div* 55, 91 P. Maps. Ref. Jan 1975

041105 11 T43
Commercial fertilizer. I. Nitrogen fertilizer. (Dan) Skriver, K *Tidsskr Landokon* 162 (4): 259-289. (27 P. Not Consecutive) 1975

041106 11 T439
Lime and phosphorus on low areas [Barley, oats, wheat]. (Dan) Jessen, T *Tidsskr Plant* 79 (4): 517-535. Eng. Sum. 1975

041107 11 T439
Nitrogen in crops and leaching water using nitrate and ammonium nitrogen as fertilizers. Lysimeter experiments 1962-1972. (Dan) Lindhard, J *Tidsskr Plant* 79 (4): 536-544. Ref. Eng. Sum. 1975

041108 11 T439
Nitrogen nutrition for fruit trees. II. Sour cherry (Prunus cerasus). (Dan) Vang-Petersen, O *Tidsskr Plant* 79 (5): 639-642. Eng. Sum. 1975

041109 26 T754
Studies on the availability to plants of soil nitrogen in Malaysian tropical oligotrophic peat. I. Effect of liming andpH [hydrogen-ion concentration]. Chew, W Y; Williams, C N; Joseph, K T; Ramli, K *Trop Agric (Guilford)* 53 (1): 69-78. Ref. Jan 1976

041110 26 T754
Studies on the availability to plants of soil nitrogen in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. Chew, W Y; Williams, C N; Joseph, K T; Ramli, K *Trop Agric (Guilford)* 53 (1): 79-87. Ref. Jan 1976

041111 SB111.A2T72
Can the nitrogen demand of shrinking nitrogen consumption be covered by forced symbiosis with natural nitrogen compounds? (Ger) Labenski, G *Tropenlandwirt* 76: 86-87. Oct 1975

041112 80 T817
Early tomatoes in amended greenhouse soil. (Dut) Pasture, E *Tuinbouwberichten* 39 (10): 395-397. Oct 1975

041113 80 T817
Fertilizing grapes. (Dut) Marien, W *Tuinbouwberichten* 39 (11): 442-444. Nov 1975

041114 ASD11.A34
Effects of crown release and fertilizer on small saw log-sized yellow birch [Betula alleghaniensis]. Erdmann, G G; Godman, R M; Mattson, G A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 119, 6 P. 1975

041115 105.9 L65V
Nutrient cycle inside farms with large grassland [Fertilizers]. (Ger) Schiller, H *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 247-254. Ref. 1975

041116 18 G312V
Precision application of mineral fertilizers. (Ger) Finck, A *Veroff Land- Hauswirtsch Auswertungs- Informationsdienst* 401, 24 P. Ref. 1975

041117 20 AK16
Biochemical method of disinfection and utilization of swine manure. (Rus) Orlov, I V; Rogov, I A; Zaitsev, K P; Shleizer, M S; Voronevskii, S I; Svedentsov, L M *Vestn S-kh Nauki (Alma-Ata)* 10: 72-76. Eng. Sum. Oct 1975

041118 20 AK16
Efficiency of simple and mixed fertilizers for winter wheat and barley. (Rus) Kozlov, I V; Baranov, N N *Vestn S-kh Nauki (Alma-Ata)* 10: 97-103. Eng. Sum. Oct 1975

041119 80 V662
Super [phosphate] improves apple tree performance. Taylor, B K; Goubran, F H *Victorian Hortic Dig* 66: 2-4. Spring 1975

041120 95.8 V77
The effect of micronutrients on certain volatile components of grapes and wine. (Rus) Gadzhiev, D M; Izmialova, M M *Vinodel Vinograd SSSR* 6: 57-58. 1975

041121 20 V82
Effect of mineral fertilizer application dosage, dates and methods on the yield and quality of maize grain. (Ukr) Tomashevs'kyi, D P; Panchenko, P S *Visn Sil's'kohospod Nauki* 10: 30-34. Oct 1975

041122 20 V82
Effect of mineral fertilizers on yield and quality of winter wheat. (Ukr) Overchenko, B P *Visn Sil's'kohospod Nauki* 11: 96-97. Nov 1975

041123 20 V82
Effect of nitrogen fertilizers on productivity of meadows of the Ukrainian Polesye. (Ukr) Leshchenko, V I *Visn Sil's'kohospod Nauki* 11: 48-52. Nov 1975

041124 20 V82
Effect of non-root nutrition supplements on yield and quality of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine [Soilless culture]. (Ukr) Kuchuhura-Kucherenko, N K *Visn Sil's'kohospod Nauki* 10: 64-68. Oct 1975

041125 20 V82
Effectiveness of nitrogen fertilizers on alpine sown meadows. (Ukr) IUshchak, V S *Visn Sil's'kohospod Nauki* 11: 45-48. Nov 1975

041126 20 V82
Role of nitrogen fertilizers in increasing productivity of meadows in peat soils of the Ukrainian Polesye. (Ukr) Shevchenko, V P; Ivanovs'ka, R T; Vyhovs'kyi, V P; Bystryts'kyi, V S *Visn Sil's'kohospod Nauki* 11: 40-44. Nov 1975

041127 20 V82
The effect of manure and mineral fertilizers on fractional composition of phosphates in deep soddy-podzolized soil in the trans-Carpathian lowlands. (Ukr) Dehodiuk, E H; Popovych, I A *Visn Sil's'kohospod Nauki* 10: 37-41. Oct 1975

041128 20 V82
The effect of mineral fertilizers on quality of yield of crops grown on irrigated peat soils. (Ukr) Sheiko, M K; Teplyns'kyi, M H *Visn Sil's'kohospod Nauki* 10: 56-59. Ref. Oct 1975

041129 56.8 W28
Characteristics of quality in refuse, garbage and sewage sludge composts. (Ger) Chrometzka, P *Wasser & Boden* 27 (5): 108-109. May 1975

041130 56.8 W28
The combined composting of waste straw and sewage sludge. (Ger) Noltze, H *Wasser & Boden* 27 (5): 110-112. May 1975

041131 SB183.Z4
Agrotechnical importance of peas [in soil fertility improvement]. (Rus) Ostapenko, V G *Zern Maslichn Kul't* 8: 18-19. Aug 1975

041132 SB183.Z4
Application of fertilizers on winter wheat fields in the eastern zone of the Krasnodar territory. (Rus) Arkhipova, M P; Gonik, G E; Trigub, E N; Sandalov, B G *Zern Maslichn Kul't* 9: 29. Sept 1975

041133 SB183.Z4
Band application of fertilizers in rye fields. (Rus) Bakhtizin, N R; Salimgareev, Sh IA *Zern Maslichn Kul't* 8: 20-21. Aug 1975

041134 SB183.Z4
Fertilizers and maximum yields of winter wheat. (Rus) Tolstousov, V P; Litvak, Sh I *Zern Maslichn Kul't* 7: 26-27. July 1975

041135 SB183.Z4
Rational utilization of fertilizers [when growing cereals]. (Rus) Kozlov, I V *Zern Maslichn Kul't* 9: 30. Sept 1975

041136 SB183.Z4
Trace elements and the soybean yield. (Rus) Girenko, L T *Zern Maslichn Kul't* 9: 44. Sept 1975

041137 11 T58
Soil phosphorus reserves and fertilizing with phosphorus. (Dan) Nielsen, J D *12Mandsbladet* 47 (8): 367-369. Aug 1975

SOIL RESOURCES AND MANAGEMENT

041138 331.9 EE7
On the dynamics of the distribution of arable land in landscape districts of Estonia [Soils]. (Est) Rea, T *Aastaraamat Eesti Geogr Selts* P. 136-152. Map. Eng. Sum. 1974

041139 S583.L32
Amelioration of subsurface acidity by leaching of surface applied amendments. A laboratory study [Soils]. Kotze, W A G; Deist, J *Agrochemophysica* 7 (3): 39-45. Sept 1975

041140 26 AG86
Assessment of 5 years' observations on the desalinization of the Medina polder soils (Lower Casamance), Senegal. (Fre) Beye, G *Agron Trop (Paris)* 30 (3): 251-264. Ref. Eng. Sum. July/Sept 1975

041141 80 AR2
Studies to specify exactly the soil fatigue test in soils used in horticulture. (Ger) Otto, G; Winkler, H *Arch Gartenbau* 23 (7): 453-461. 1975

041142 80 AR2
The reaction of some apple rootstocks and variety + rootstock combinations to soil fatigue. (Ger) Otto, G; Winkler, H *Arch Gartenbau* 23 (7): 441-451. Eng. Sum. 1975

041143 AS21.A75U44
Runoff and soil losses from Barnes soils in the northwestern Corn Belt [Erosion]. Mutchler, C K; Burwell, R E; Staples, L C; U.S. Agricultural Research Service North Central Region *ARS-NC U S Agric Res Serv North Cent Reg* 36, 16 P. Jan 1976

041144 S11.B43
Research concerning the number of weather-permitting work days in the spring for soil cultivation [Tillage]. (Dut) Perdok, U D; Tanis, T *Bedrijfsontwikkeling* 6 (7/8): 633-635. July/Aug 1975

041145 99.9 EH3
Forest soil after afforestation by rehabilitation in the Setouchi region. III. In Comparison with the forest soil of some natural stands. (Jpn) Fushimi, T; Shigaki, H; Nakashima, T *Bull Ehime Univ For* 12: 1-8. Eng. Sum. Oct 1975

041146 SB13.R48
Investigations on the recultivation of grassland on wind—eroded soils of Iceland [Reclamation]. (Ger) Steubing, L; Kneiding, U *Bull Res Inst Nedri As* 21, 48 P. Ref. 1975

041147 100 T31S (1)
No till and seedbed production of small grains-ryegrass [Lolium] mixture for forage in east Texas [Cynodon dactylon]. Matocha, J E; Texas Agricultural Experiment Station *Bull Tex Agric Exp Stn Coll Stn* B-1155, 11 P. Aug 1975

041148 280.38 D442
Builders and land reclamation in [French] Guiana. (Fre) Stirn, O *Depeche Ind Commer Agric* (New Ser.) 28 (249): 5. Nov 1975

041149 TX341.F3
Research at Coolnakilla is important for one million acres of hill land [Soil reclamation]. Kiely, J; Reidy, M; Feeney, P *Farm Food Res* 6 (5): 100-102. Sept/Oct 1975

041150 S279.A3I5
Acid soils of Karnataka and their amelioration. Subramanian, C K *Farm Front* 9 (1): 12-14. Jan 1975

041151 80 G1948
Expanded reproduction of soil fertility in industrial crop production. (Ger) Kundler, P *Gartenbau* 22 (12): 353-355. Dec 1975

041152 80 G1948
Experience and recommendations regarding the expanded reproduction of soil fertility in industrial field vegetable production. (Ger) Knospe, K H; Goricke, M; Baumann, E; Frolich, H *Gartenbau* 22 (12): 355-357. Dec 1975

041153 80 G1948
Identifying soil fatigue in growing apple plantations by means of the soil fatigue test. (Ger) Otto, G; Winkler, H *Gartenbau* 22 (12): 368-369. Dec 1975

041154 80 G1948
Studies on the "short grass mulch" soil cultivation technique. (Ger) Blasse, W; Kutzsche, R; Leimbach, D *Gartenbau* 22 (12): 369-370. Dec 1975

041155 290.8 G362
Engineering forecasting and the measures for preventing water erosion of soils. (Rus) Mirtskhulava, TS E *Gidrotekh Melior* 7: 73-76. July 1975

041156 290.8 G362
The prospects of using aerial survey for the purpose of [land] reclamation and conservation of environment. (Rus) Zonn, S V *Gidrotekh Melior* 7: 122-126. July 1975

041157 290.8 G362
Urgent goals of [land] reclamation in the Soviet Georgia. (Rus) Geldiashvili, Z V *Gidrotekh Melior* 6: 1-5. June 1975

041158 17 SCH9
Fallow land increment and other phenomena of extensification [Soil conservation, Switzerland]. (Ger) Moor, H *Grune* 104 (1): 6-8. Jan 2, 1976

041159 100 IL64
How maure applications affect erosion and runoff. Gunther, R W; Lembke, W D; Mitchell, J K; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 11-12. Fall 1975

041160 S591.G4 1974
Soils of the Euphrates river valley and their reclamation. (Rus) Zonn, I S *In Genezis i geografiia pochv zarubezhnykh stran po issledovaniiam sovetskikh geografov* P. 54-72. Map. Ref. Eng. Sum. 1974

041161 S471.I4S92
Influence of different organic materials with and without rock phosphate and urea on reclamation of highly saline and alkaline soil. Dhar, N R; Singh, J N *In Symp on Green Revolution* P. 183-192. Ref. 1974

041162 20 M57AG
Second international comparison of plowing by the member nations of the Council for Mutual Economic Assistance. (Ger) Popow, A *Int Z Landwirtsch* 5: 596-598. 1975

041163 55.8 IR733
Mechanisms of soil erosion by rain and the actual results of their analytical evaluation. II. (Ita) Rossi, A *Irrigazione* 22 (3): 19-32. Ref. Eng. Sum. May/June 1975

041164 16 IT1
Soil conservation [Research projets, Italy]. (Ita) Chisci, G *Ital Agric* 112 (5): 53-55. May 1975

041165 HD1491.G3K6
Development of reclamation requirements in the transition to industrial crop production [Rostock District]. (Ger) Grund, H; Lohnke, W; Schmidt, F; Wallenta, W *Kooperation* 9 (12): 535-537. Dec 1975

041166 SB193.A1L8
Control of soil erosion on mountain pastures. (Rus) Zotov, A *Korma* 3: 29-32. May/-June 1975

041167 SB193.A1L8
Cultivated pastures on the slopes of ravines [Soil erosion control, tillage]. (Rus) Ovchinnikov, I *Korma* 3: 34-36. May/June 1975

041168 SB193.A1L8
Problem number one [Soil erosion control, Kharkov region]. (Rus) Shikula, N; Kiriiak, A *Korma* 3: 32-34. May/June 1975

041169 18 L2353
Soil tillage in the plant production system. (Ger) Dambroth, M *Landbauforsch Volkenrode* 25 (1): 11-16. Eng. Sum. 1975

041170 58.8 D81
Deep loosening of soil regulates water economy. (Ger) Fischer, K *Lohnunterne Land Forstwirtsch* 30 (7): 242-243. July 15, 1975

041171 105.1 G344
Effect of the initial soil moisture content and various concentrations of Curasol AE and Tylose 666 on the formation and stability of dune sand aggregates. Gabriels, D; Boodt, M de *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1416-1420. 1974

041172 105.1 G344
Soil splash and runoff from untreated and chemically treated silt loam aggregates. Gabriels, D; Hartmann, R; Boodt, M de *Meded Fac Landbouwwet Rijksuniv Gent* 39 (3): 1471-1477. 1974

041173 S15.I55
Presentation of geomorphological and hydromorphological maps of the upper basin of the Lebrija River (Santander Department) [Colombia, soil erosion]. (Spa) Usselmann, P *Monogr Inst Geogr "Agustin Codazzi" Dir Agrol* 10 (10), 42 P. Ref. Eng. Sum. 1974

041174 S19.M9
Rainfall erosion index of Bangalore agroclimatic area. Ramaiah, R; Sreenivas, G N *Mysore J Agric Sci* 9 (3): 448-453. 1975

041175 157.8 R29
Comparative costs of erosion and sedimentation control measures. Ateshian, K H *PB U S Natl Tech Inf Serv* 245100: 2-13-2-23. 1976

041176 157.8 R29
Defining the sediment trapping characteristics of a vegetative buffer. Special case: road erosion [Soil conservation]. Ohlander, C A *PB U S Natl Tech Inf Serv* 245100: 2-77-2-82. Ref. 1976

041177 157.8 R29
Determining erosion from Hawaiian agricultural lands. Frasier, G W; Replogle, J A; Cooley, K R; el-Swaify, S A *PB U S Natl Tech Inf Serv* 245100: 2-124-2-134. Ref. 1976

041178 157.8 R29
Erosion potential of soils [Control]. Young, K K *PB U S Natl Tech Inf Serv* 245100: 1-1-1-10. Ref. 1976

041179 157.8 R29
Erosion [on rangeland, forests and cropland] and sediment yield [to reservoirs] in New Mexico. Curtis, N M Jr *PB U S Natl Tech Inf Serv* 245100: 1-81-1-90. 1976

041180 157.8 R29
Physical and chemical characteristics of sediments originating from Missouri valley loess. Schuman, G E; Piest, R F; Spomer, R G *PB U S Natl Tech Inf Serv* 245100: 3-28-3-40. Ref. 1976

157.8 R29
Proceedings of the Third Federal Inter-Agency Sedimentation Conference, March 22-25, 1976. Denver, Colorado. Federal Inter-Agency Sedimentation Conference, 3rd, Denver,; 1976; U.S. Water Resources Council Sedimentation Committee *PB U S Natl Tech Inf Serv* 245100, 754 P. 1976

041181 157.8 R29
Soil erosion concepts and misconceptions. Meyer, L D; DeCoursey, D G; Romkens, M J M *PB U S Natl Tech Inf Serv* 245100: 2-1-2-12. Ref. 1976

041182 157.8 R29
Soil ripping treatments for runoff and erosion control. Aldon, E F *PB U S Natl Tech Inf Serv* 245100: 2-24-2-29. 1976

041183 157.8 R29
Techniques of researching information for the development of a manual to vegetate soils of low productivity disturbed by construction activities. Bennett, F W; Donahue, R L *PB U S Natl Tech Inf Serv* 245100: 2-148-2-157. 1976

041184 157.8 R29
The universal soil loss equation as adapted to the Pacific Northwest. McCool, D K; Papendick, R I; Brooks, F L *PB U S Natl Tech Inf Serv* 245100: 2-135-2-147. Maps. Ref. 1976

041185 157.8 R29
[Soil] erosion and sediment control on reshaped land. Meyer, L D; Romkens, M J M *PB U S Natl Tech Inf Serv* 245100: 2-65-2-76. Ref. 1976

041186 57.8 P34
Effect of erosion processes on organic substances of Chestnut soils in submontane zone of the Great Caucasus within Azerbaijan SSR. (Rus) Tiurina-Zeinalashvili, R N *Pochvovedenie* 11: 103-112. Eng. Sum. Nov 1975

041187 57.8 P34
Water erosion [of soils] and the problem of its study at present. (Rus) Shvebs, G I *Pochvovedenie* 12: 103-114. Ref. Eng. Sum. Dec 1975

041188 S590.P6
Modern problems of controlling soil erosion. (Bul) Georgiev, G; Onchev, N; Nikolov, S *Pochvozn Agrokhim* 10 (5): 30-37. 1975

041189 20.5 P84
Changes in the physical properties of soil under the influence of mulching with bituminous emulsion and the significance of this treatment for early potato culture. (Pol) Kullmann, A *Postepy Nauk Roln* 22 (1): 3-10. Ref. 1975

041190 56.9 SO3
Reclamation of soils contaminated with radioactive strontium. Lagerwerff, J V; Kemper, W D *Proc Soil Sci Soc Am* 39 (6): 1077-1080. Ref. Nov/Dec 1975

041191 21 R862
Consideration on the behaviour of agronomic works for prevention and control of soil erosion, in the agricultural production cooperative Aschileu Mic, district of Cluj-Napoca. (Rum) Nechiti, G *Prod Veg Cereale Plante Teh* 26 (11): 25-28. Nov 1974

041192 21 R862
Deep breaking up of compacted soils, affected by successive surplus and shortage of rain water. (Rum) Stanga, N; Munteanu, I *Prod Veg Cereale Plante Teh* 26 (11): 20-24. Nov 1974

041193 21 R862
Execution of soil erosion control works at the AgriculturalProduction Cooperative Danesti, district of Vaslui. (Rum) Gheorghita, E *Prod Veg Cereale Plante Teh* 27 (1): 37-42. 1975

041194 21 R862
High level productivity of soils and optimum crop production corresponding to appropriate choice of cultivation technique. (Rum) Teaci, D *Prod Veg Cereale Plante Teh* 27 (1): 8-12. 1975

041195 21 R862
Soil cultivation under irrigation on Baragan Chestnut Chernozen. (Rum) Vines, G *Prod Veg Cereale Plante Teh* 27 (6): 3-9. Ref. June 1975

041196 21 R862
Some aspects to be taken into account when plowing soils with excess of moisture. (Rum) Lungu, I *Prod Veg Cereale Plante Teh* 27 (8): 3-6. Aug 1975

041197 64.8 R18
Some methods for pre-planting preparation of leached Meadow-Cinnamon soil to winter wheat. (Bul) Kozarev, G *Rastenievud Nauk* 12 (7): 43-51. Ref. Eng. Sum. 1975

041198 1.6 SO3S
A 'snow' job for Utah youth [Soil conservation]. Miller, B J; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 12-13. Jan 1975

041199 1.6 SO3S
Conservation plant materials make good on 'moonscape' [Openpit mining, soil reclamation]. Badger, T W; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 6-7. Jan 1975

041200 1.6 SO3S
Half a century of tree planting [Windbreaks, erosion, Edward Flanagan]. Lyng, O I; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 10-11. Jan 1975

041201 1.6 SO3S
New Upper Colorado [Environmental] Plant Center focuses on native plants for reclamation. Burdick, M D; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 6-7. Map. Dec 1975

041202 1.6 SO3S
Our Little Paradise [Conservation education]. Zack, A; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 14-15. Jan 1975

041203 1.6 SO3S
Stabilizing [bauxite ore] stockpiles on the Texas coast [Erosion]. Cash, K L; Smith, T P II; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 16-17. Dec 1975

041204 1.6 SO3S
Student trainees in SCS [Soil Conservation Service]. Wilder, M C; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 12-15. Dec 1975

041205 1.6 SO3S
Title X funds in Archuleta County [Colorado, soil conservation programs]. Hill, W L; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 11. Dec 1975

041206 1.6 SO3S
[Soil] conservation blossoms on 'flower farm' [Erosion]. Westrate, W; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 10. Dec 1975

041207 57.8 P34AE
Microbiological characteristics of the eroded Chestnut soils of Buryatia. Nimayeva, S Sh; Namzhilov, N B; Petrova, A S *Sov Soil Sci* 7 (3): 321-324. May/June 1975

041208 11 T439
Losses of nutrient by leaching in agricultural plant production, 1971-1974. (Dan) Hansen, L; Pedersen, E F *Tidsskr Plant* 79 (5): 670-688. Map. Ref. Eng. Sum. 1975

041209 20 V82
Separate method of clearing shrubs from drained lands of the Ukrainian Polesye. (Ukr) Kovbasa, V P *Visn Sil's'kohospod Nauki* 10: 101-103. Oct 1975

041210 20 V82
Soil tillage and the application of herbicides to vineyards. (Ukr) Akchurin, R K; IAkhontov, A F *Visn Sil's'kohospod Nauki* 11: 64-67. Nov 1975

041211 56.8 W28
Soil erosion protection of sea dike foundations. (Ger) Bayer, E *Wasser & Boden* 27 (3): 53-57. Map. Mar 1975

041212 56.8 W28
Structural studies of a raw soil from the top layer of a gypsum quarry [Reclamation]. (Ger) Schweikle, V *Wasser & Boden* 28 (1): 14-15. Jan 1976

041213 SB183.Z4
Effects of soil furrowing [on the yield of sunflowers and castorbeans under irrigation]. (Rus) Shkrud', R I *Zern Maslichn Kul't* 8: 43. Aug 1975

041214 SB183.Z4
The effect of the way of soil tillage [on the yield of winter wheat]. (Rus) Viter, A F; Kalashnikov, V T; Kachanin, A L *Zern Maslichn Kul't* 8: 32-33. Aug 1975

20.5 Z5
Alluvial process in reclamation of meadows in the Opatowka river valley. (Pol) Kern, H *Zesz Probl Postepow Nauk Roln* 169: 103-108. Ref. Eng. Sum. 1975

041215 20.5 Z5
Difficulties in reclamation of river valleys with mineral soils (exemplified by the Mienia river). (Pol) Tolwinska, M *Zesz Probl Postepow Nauk Roln* 169: 73-86. Eng. Sum. 1975

20.5 Z5
Effect of reclamation and management on productivity and features of peatland meadows. (Pol) Olszewska, L *Zesz Probl Postepow Nauk Roln* 169: 41-48. Eng. Sum. 1975

20.5 Z5
Occurrence and production potential of more important kinds of meadows in river valleys and their reclamation needs. (Pol) Grzyb, S *Zesz Probl Postepow Nauk Roln* 169: 63-72. 1975

20.5 Z5
Problems of melioration and meadow management in river valeys; proceedings of a conference organized by the Committee for Melioration, Meadow Management and Peat Science in Wagrowiec, September 24-26, 1973. (Pol) *Zesz Probl Postepow Nauk Roln* 169. 177 P. 1975

WATER RESOURCES AND MANAGEMENT

041216 QD1.A45
The use of natural Pb-210 [lead isotope] as a heavy metal tracer in the river-estuarine system. Benninger, L K; Lewis, D M; Turekian, K K *ACS Symp Ser (Amer Chem Soc)* 18: 202-230. Ref. 1975

041217 19 AC8
Irrigation requirements of maize in a tropical environment. el Nadi, A H *Acta Agron (Budap)* 24 (3/4): 423-430. 1975

041218 S16.H8A32
Conceptions developed so far and recently recommended in respect to harmful water abundance (inland waters) and discussion of forms of damage. (Hun) Vajdai, I *Agrar Tud Egy Kozl (Godollo)* P. 175-182. Ref. 1974

041219 S16.H8A32
Evapotranspiration as a basis for irrigation water requirement calculations. (Hun) Gaspar, Z *Agrar Tud Egy Kozl (Godollo)* P. 147-152. Ref. Eng. Sum. 1974

041220 S16.H8A32
Increasing the efficiency of natural precipitation under field conditions. (Hun) Farago, F *Agrar Tud Egy Kozl (Godollo)* P. 137-146. 1974

041221 S16.H8A32
Relationship of irrigation with cultured cucumber variety and with the climate. (Hun) Varga, Gy *Agrar Tud Egy Kozl (Godollo)* P. 191-200. Eng. Sum. 1974

041222 S16.H8A32
The study of leaking of soil on cucumber field with the application of chopping irrigation. (Hun) Varga, S; Nyujto, S *Agrar Tud Egy Kozl (Godollo)* P. 117-125. 1974

041223 S16.H8A32
The study of some factors influencing drainage. (Hun) Sagi, K *Agrar Tud Egy Kozl (Godollo)* P. 105-116. 1974

041224 16 AG8226
An entire hidden world for exploration [Water resources]. (Ita) Bontempo, E *Agricoltura* 24 (5): XIII-XVII. May 1975

041225 16 AG8226
New frontiers for irrigation. (Ita) Procaccini, F *Agricoltura* 24 (7/8): 65-70. July/Aug 1975

041226 16 AG8226
When the land is thirsty, there is no bread for man [Irrigation]. (Ita) De Martini, M; Camerini, A *Agricoltura* 24 (3): 44-54. Mar 1975

041227 19.5 AG8
One hundred and twenty years of cooperation in control of floods and interior waters on the left bank of the Vah River. (Slo) Kosovan, S *Agrikultura* 13: 157-165. Map. Ref. 1975

041228 26 AG86
The Volta, an international river basin. (Fre) Des Bouvrie, C *Agron Trop (Paris)* 30 (1): 52-62. Eng. Sum. Jan/Mar 1975

041229 26 AG86
Water requirements of the crops in the irrigated areas of the Bras de la Plaine [Reunion]. (Fre) Loynet, G *Agron Trop (Paris)* 30 (3): 264-270. Eng. Sum. July/Sept 1975

041230 390.9 AM33
Response of 'Thompson Seedless' grapevines to the timing of preharvest irrigation cut-off. Christensen, P *Am J Enol Vitic* 26 (4): 188-194. Ref. 1975

041231 QH541.5.D4A1
Consumptive use and water requirement of dwarf wheat in light textured soils of Rajasthan. Jain, T C; Jain, K C *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 212-220. Sept 1975

041232 QH541.5.D4A1
Use of saline water in agriculture. I. Description of the system [Irrigation]. Dhir, R P; Bhatia, O P *Ann Arid Zone Arid Zone Res Assoc India* 14 (3): 206-211. Sept 1975

041233 105.4 P435
The numerical method "predictor-corrector" applied to the problem of drained aquifer. (Ita) Ubertini, L; Cecconi, G *Ann Perugia Univ Fac Agrar* 29: 199-216. Eng. Sum. 1974

041234 AS21.A75U53
Time series data analysis and synthesis for research watersheds [Mathematical models]. Snyder, W M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 76, 33 P. Jan 1976

56.8 B632
Effect of soil and water conditions on the rural landscape around Wouw, North Brabant. (Dut) Oosten, M F van *Bodemkd Stud* 12, 156 P. Maps. Ref. Eng. Sum. 1975

041235 65.9 Q3C
Irrigation requirements of Bundaberg soils. Nielsen, P J *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 48-50. Oct 1975

041236 65.9 Q3C
On farm water storage. Downs, P R; Izatt, L K *Cane Grow Q Bull Queensl Bur Sugar Exp Stn* 39 (2): 44-45. Oct 1975

99.8 C76
Forest management and water quality. *Conn Woodl* 40 (3): 8, 10-11. Fall 1975

041237 100 L935
Pricing water in Louisiana. Corty, F L; Ramgolam, R; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 487, 107 P. Map. Ref. June 1975

041238 S13.B82
The basic method for field trials under irrigation. Barov, V; Eneva, S *Dokl S-kh Akad Im Georgiia Dimitrova* 8 (3): 15-19. 1975

041239 TD202.E2
Hydraulic and agricultural management of the Durance basin. The Provence canal. (Fre) Morant, R de *Eau Amenagement Reg Provencale* 6: 1-21. Maps. July/Sept 1975

041240 TD202.E2
Sensitizing the general public to the water problem. (Fre) Albertin, J R *Eau Amenagement Reg Provencale* 6: 22-23. July/Sept 1975

041241 TD172.E57
Scientific irigation scheduling for salinity control of irrigation return flows. Jensen, M E *Environ Prot Technol Ser EPA U S Environ Prot Agency* 600/2-75-064, 91 P. Ref. Nov 1975

041242 22 F223
Scheduling irrigation with constant level evaporimeter. Jain, T C *Farm J (Calcutta)* 16 (5): 9-13. Mar 1975

041243 S19.F37
Testing of irrigation water prevents soil and crop damage. Dixit, V K; Ram, H *Farmer Parliament* 10 (6): 15-16, 30. June 1975

041244 18 W763
Computer-aided advice for more effectiveness of irrigation. (Ger) Forkel, H *Feldwirtschaft* 16 (11): 506-508. Nov 1975

041245 57.8 F4123
Optimising water usage a challenge to industry. Visvanathan, T R *Fert News* 20 (10): 17-20. Oct 1975

041246 99.9 V66F
Irrigation control for Pinus radiata in the Koetong Nursery. Hollingsworth, G; Muller, J *For Tech Pap For Comm (Victoria)* 22: 35-36. June 1975

041247 QH96.F6
Chemistry and vegetation of highly acidic streams. Hargreaves, J W; Lloyd, E J H; Whitton, B A *Freshwater Biol* 5 (6): 563-576. Ref. Dec 1975

041248 QH96.F6
Variation in chemical composition of the River Frome, England, from 1965 to 1972. Casey, H *Freshwater Biol* 5 (6): 507-514. Ref. Dec 1975

041249 290.8 G362
A horizontal sediment bowl with hydroaerodynamical washing [for the control of deposits in irrigation canals]. (Rus) Tabukashvili, K F; Gachechiladze, G A; Daneliia, Z N *Gidrotekh Melior* 6: 31-33. June 1975

041250 290.8 G362
A single state system of regulation and interbasin redistribution of water resources [in the USSR]. (Rus) Gerardi, I A *Gidrotekh Melior* 7: 22-28. July 1975

041251 290.8 G362
A succession of pump stations on the Karshinskii main canal[in the Uzbek SSR]. (Rus) Gekhtman, IA A; Dudenko, I K; Voloshchuk, I A *Gidrotekh Melior* 7: 110-112. July 1975

041252 290.8 G362
About the utilization of radioisotope methods and means in hydrotechnics and [soil] reclamation. (Rus) Barkan, I L; Emel'ianov, V A *Gidrotekh Melior* 6: 63-66. June 1975

041253 290.8 G362
An automated management system for the complex water installations on Zeravshan River [Irrigation]. (Rus) Mamarasulov, S M; Afonin, D I; Boiarchenkov, M A; Danilov, IU M *Gidrotekh Melior* 7: 35-40. Map. July 1975

041254 290.8 G362
Changes in the soil cover under the effect of reclamation [by irrigation and drainage]. (Rus) Kovda, V A; Rozanov, B G *Gidrotekh Melior* 7: 45-51. July 1975

041255 290.8 G362
Control of land salinization and conservation of the environment [Irrigation]. (Rus) Egorov, V V *Gidrotekh Melior* 7: 64-66. July 1975

041256 290.8 G362
Experience of utilization of water intakes on mountainous rivers. (Rus) Artamonov, K F *Gidrotekh Melior* 7: 118-121. July 1975

041257 290.8 G362
Hydrological and ecological results of land drainage. (Rus) Bulavko, A G; Maslov, B S *Gidrotekh Melior* 7: 77-81. July 1975

041258 290.8 G362
Integrated reclamation [by irrigation] and farming of the future. (Rus) Uskov, A I *Gidrotekh Melior* 7: 86-92. July 1975

041259 290.8 G362
Integrated solution of water management problems on the Lubanskaia Lowland. (Rus) Cene, G K; Zivert, A A *Gidrotekh Melior* 7: 82-85. July 1975

041260 290.8 G362
Integrated utilization of underground and surface waters for irrigation. (Rus) Kats, D M *Gidrotekh Melior* 7: 29-34. Ref. July 1975

041261 290.8 G362
International Commission on Irrigation and Drainage and its role in the development of irrigation, drainage and control of high waters in the world. (Rus) Framji, K K *Gidrotekh Melior* 7: 11-17. July 1975

041262 290.8 G362
Irrigaton with underground waters in the Azerbaijan SSR. (Rus) Krasil'shchikov, L A *Gidrotekh Melior* 8: 103-106. Aug 1975

041263 290.8 G362
Land reclamation [by irrigation and drainage] and the problem of stability of the farm production. (Rus) Dmitriev, V S *Gidrotekh Melior* 7: 18-21. July 1975

041264 290.8 G362
Recommendations on preventing ocher formation in closed drainage [systems]. (Rus) Maslov, B S; Naumovich, E I; Baranova, S D; Svetlichnaia, Z IA *Gidrotekh Melior* 8: 61-62. Aug 1975

041265 290.8 G362
Soil furrowing [for better aeration] when growing maize under irrigation. (Rus) Lysogorov, S D; Kirichenko, V P *Gidrotekh Melior* 8: 63-66. Aug 1975

041266 290.8 G362
The automatically controlled system for designing horizontal drainage [of peat bogs and boggy soils]. (Rus) Levit-Gurevich, L K; Meshcherinova, N A *Gidrotekh Melior* 8: 55-59. Aug 1975

041267 290.8 G362
The construction of profile embankments [for rice irrigation] from overmoistened cohesive earth in the conditions of the Maritime territory. (Rus) Koval', O A; Mazokin, V I *Gidrotekh Melior* 6: 15-17. June 1975

041268 290.8 G362
The effect of drainage on the river flow and evaporation. (Rus) Shebeko, V F; Zakrzhevskii, P I *Gidrotekh Melior* 8: 49-55. Aug 1975

041269 290.8 G362
The effect of irrigation of large areas on natural and social and economic conditions. (Rus) Dukhovnyi, V A *Gidrotekh Melior* 7: 67-72. July 1975

041270 290.8 G362
The experience of constructing trenchless closed drainage in the Golodnaya Step'. (Rus) Tomin, E D; Bespalyi, P S; Buravtsev, V N; Shapochkin, A IA; Kireicheva, L V; Dukhovnyi, V A; Batov, V I; Gusarevich, I B *Gidrotekh Melior* 8: 73-85. Aug 1975

041271 290.8 G362
The manipulation of the water regime of soils on the basis of thorough analysis of the requirements of plants. (Rus) Golovanov, A I; Nikol'skii, IU N; TSipris, D B; Shabanov, V V *Gidrotekh Melior* 7: 93-99. July 1975

041272 290.8 G362
The manipulation of the flow of solid substances during the water intake from the Amu Darya River. (Rus) Shapiro, Kh Sh *Gidrotekh Melior* 7: 113-117. July 1975

041273 290.8 G362
The operation of pipelines and hoses under high muddiness of irrigation water. (Rus) Surin, V A; Maslov, I V *Gidrotekh Melior* 8: 44-47. Aug 1975

041274 290.8 G362
The prevention of erosion during furrow irrigation. (Rus) Poliakov, IU P; Savchenko, A D; Poliakov, O G; Mezhenskii, V I *Gidrotekh Melior* 8: 42-44. Aug 1975

041275 290.8 G362
The prevention of the formation of shallow water and the utilization of diked lands in the zone of the Krasnodar Reservoir [for growing rice]. (Rus) Gol'dner, R M; Nikolaev, I K; Poliakov, IU N *Gidrotekh Melior* 7: 61-63. July 1975

041276 290.8 G362
The reserves of reducing the production cost of reclamation work in the Nonchernozem zone [Drainage]. (Rus) Antipova, M M; Antipov, S V *Gidrotekh Melior* 8: 86-89. Aug 1975

041277 290.8 G362
The technique of sprinkling with liquid waste from livestock farms. (Rus) Smirnov, A A; Butsykin, A M; Nikulin, S N *Gidrotekh Melior* 8: 29-36. Aug 1975

041278 290.8 G362
The utilization of a system analysis in reclamation [by irrigation and drainage] and water management. (Rus) Gal'perin, I M; Dunin-Barkovskii, L V *Gidrotekh Melior* 7: 41-44. July 1975

041279 290.8 G362
[Land] reclamation [by drainage and irrigation] and the international cooperation. (Rus) Alekseevskii, E E *Gidrotekh Melior* 7: 2-10. July 1975

041280 S19.G74
Harness groundwater for green revolution [India]. Adyalkar, P G *Green Revolution* P. 96-98. 1974

041281 26 H27
Corn and sorghum as silage crops under partial irrigation. (Heb) Efron, Y *Hassadeh* 56 (2): 170-172. Eng. Sum. Nov 1975

041282 26 H27
Sprinkler [irrigation] system design for operation in variable wind. (Heb) Seginer, I *Hassadeh* 56 (2): 297-298, 301-302, 305-306. Nov 1975

041283 S598.H8
Measurement of complexing capacity of lake waters. Chau, Y K; Chan, K L *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 11-12. 1972 (Pub. 1975)

041284 S598.H8
On the determination of soluble humic substances in fresh waters. Haan, H de *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 53-62. Map. 1972 (Pub. 1975)

041285 S598.H8
Radioisotope studies showing the role of phosphorus in the formation of a large molecular weight organic compound present in lake water. Lean, D *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 159-170. Ref. 1972 (Pub. 1975)

041286 S598.H8
The biological transformation of soluble humic substances in Tjeukemeer, the Netherlands: a preliminary report. Haan, H de *In Humic Substances: their Structure and Function in the Biosphere Proceedings of an International Meeting* P. 63-69. Ref. 1972 (Pub. 1975)

041287 QH541.5.L3S7
Irrigation in world agriculture. Donald, C M *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 437-451. Ref. 1975

041288 QH541.5.L3S7
Water conservation and waterfowl in north eastern Australia. Lavery, H J *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 277-292. 1975

041289 TC177.I57 1974
A carbon rod atomizer for analysis of trace metals in water [Quality]. Shkolnik, G M; Shrader, D E *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 169-174. 1974 (Pub. 1975)

041290 TC177.I57 1974
"A comparative study of the correlation between differing techniques for obtaining evaporation data derived for severalareas of the world when applied to arid climates." [Water supply]. Baty, M F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 348-374. Ref. 1974 (Pub. 1975)

041291 TC177.I57 1974
A data acquisition and processing system for water research. Hardtke, P G *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 21-27. 1974 (Pub. 1975)

041292 TC177.I57 1974
A portable linear thermistor temperature indicator [Water analysis]. Glover, J R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 191-201. 1974 (Pub. 1975)

041293 TC177.I57 1974
A remote data processing system for Lake Champlain [Drainage basin]. Henson, E B; Paananen, R A; Potash, M *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 292-302. Map. 1974 (Pub. 1975)

041294 TC177.I57 1974
A technique for acquiring ground-truth rainfall data with which to calibrate radar measurements. Riggio, R F; Carr, J T Jr *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 229-236. Maps. 1974 (Pub. 1975)

041295 TC177.I57 1974
A water quality monitoring system for NOAA [National Oceanic and Atmospheric Administration] data buoys. Cassis, R H Jr; Siegelin, D *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 433-451. 1975

041296 TC177.I57 1974
Aerial photographic monitoring of selected water quality parameters. James, W P *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 326-338. 1974 (Pub. 1975)

041297 TC177.I57 1974
Analysis of Kissimmee River flows for water quality effects. Sun-Fu Shih,; Hallett, D W; Hamrick, R L *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 553-571. Map. Ref. 1974 (Pub. 1975)

041298 TC177.I57 1974
Application of remote sensing to crop identification and water use. Eucker, C C; Hoffman, R O; Edwards, D M; Wallin, G P *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 303-311. Map. 1974 (Pub. 1975)

041299 TC177.I57 1974
Automatic processing of hydrometric and hydrometeorologic data [Water management]. Akmanoglu, O A; Yavuz, H; Unal, A U *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 33-52. Ref. 1974 (Pub. 1975)

041300 TC177.I57 1974
Description and properties of a capacitive measuring system for varying water levels and water waves. Heidt, F D; Wengefeld, P C *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 3-18. Ref. 1974 (Pub. 1975)

041301 TC177.I57 1974
Efficient strategies for sampling and monitoring [Water analysis]. Brown, L C *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 341-351. 1974 (Pub. 1975)

041302 TC177.I57 1974
Electromagnetic water current meter. Cushing, V J *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 35-45. Ref. 1974 (Pub. 1975)

041303 TC177.I57 1974
Flow-velocity and stress tensor [in flowing water] determined by experiment. Siebert, W E *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 239-260. Ref. 1974 (Pub. 1975)

041304 TC177.I57 1974
Hydrologic instrumentation in the research watersheds: St. Louis Heights and Waahila Ridge, Oahu, Hawaii. Fok, Y S *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 409-416. Map. 1974 (Pub. 1975)

041305 TC177.I57 1974
Influence of measurement accuracy of topographic data on calculation of water levels profiles. Kiefer, W *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 261-270. 1974 (Pub. 1975)

041306 TC177.I57 1974
Instrumentation for hydrologic research on the Reynolds Creek Experimental Watershed. Johnson, C W; Cox, L M; Rawls, W J; Stephenson, G R; Zuzel, J F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 138-157. Maps. Ref. 1974 (Pub. 1975)

041307 TC177.I57 1974
Interpretation of ERTS-1 [Earth Resources Technology Satellite] images of selected sample areas in Alberta [Water resources]. *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 460-466. Ref. 1974 (Pub. 1975)

041308 TC177.I57 1974
Jet boat: tellurometer technique for measuring streamflow in large rivers. Fast, E J; Rice, N *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 55-67. Map. 1974 (Pub. 1975)

041309 TC177.I57 1974
Lineament analysis using ERTS-1 [Earth Resources Technology Satellite] images of Alberta [Hydrogeological mapping]. Ozoray, G *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 456-459. 1974 (Pub. 1975)

041310 TC177.I57 1974
Measurement methods for head loss and velocity distribution after pipe bends and wye pieces [Hydrology]. Meckel, H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 167-185. Ref. 1974 (Pub. 1975)

041311 TC177.I57 1974
Measurement techniques for the prospection, exploitation and protection of gas saturated underground waters as applied in Czechoslovakia. Krajca, J M *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 452-455. Ref. 1974 (Pub. 1975)

041312 TC177.I57 1974
New methods and instruments for measuring groundwater quantity. Drost, W *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 435-451. 1974 (Pub. 1975)

041313 TC177.I57 1974
On compression of water quality data. Krishnan, K P R; Ahmed, N; Fan, L T *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 327-347. Ref. 1974 (Pub. 1975)

041314 TC177.I57 1974
Photogrammetric survey of [waterfree] channel reds in experimental hydraulic engineering at the University of Karlsruhe. Reinicke, R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 318-325. 1974 (Pub. 1975)

041315 TC177.I57 1974
Pneumatic level and open channel flow [natural water] measuring systems. Buzay, K *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 19-34. 1974 (Pub. 1975)

041316 TC177.I57 1974
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of valve closure time [Reservoir, water hammer]. Bernhart, H H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 186-200. Ref. 1974 (Pub. 1975)

041317 TC177.I57 1974
Problems relating to the measurement of near surface drift currents and a possible solution—the Tethered Drogue current meter [Water quality]. Cutchin, D L *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 68-82. Ref. 1974 (Pub. 1975)

041318 TC177.I57 1974
Quality control requirements for water quality instruments and measurements. Gallagher, B *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 131-133. 1974 (Pub. 1975)

041319 TC177.I57 1974
Quantitative analysis of coagulation process in aqueous systems: an application of the Coulter Counter technique [Water quality]. Neis, U; Eppler, B; Hahn, H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 134-140. 1974 (Pub. 1975)

041320 TC177.I57 1974
Remote sensing instrumentation and methods used for identifying center pivot sprinkler irrigation systems and estimating crop water use. Hoffman, R O; Edwards, D E; Wallin, G; Burton, T *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 312-317. 1974 (Pub. 1975)

041321 TC177.I57 1974
Sampling design, collection and anlaysis of watershed soil samples for water resources management. Glaser, E R; Suffet, I H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 379-399. Maps. Ref. 1974 (Pub. 1975)

041322 TC177.I57 1974
SIngle velocity method in measuring [stream] discharge [Water flow]. Strilaeff, P W *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 122-137. 1974 (Pub. 1975)

041323 TC177.I57 1974
Some observations of velocity fluctuations in a strongly stratified estuary using an ultrasonic transit-time-difference current meter [Water quality]. Audunson, T; McClimans, T A *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 90-108. 1974 (Pub. 1975)

041324 TC177.I57 1974
Spectral analysis techniques for evaluating historical water quality records. Sparr, T M; Schaezler, D J *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 271-297. Ref. 1974 (Pub. 1975)

041325 TC177.I57 1974
State of Wisconsin automatic water quality monitoring system for the Fox and Wisconsin Rivers. Weckwerth, H W; Manor, P J; Kleinert, S J *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 452-483. Map. 1975

041326 TC177.I57 1974
Survey of measuring instruments and techniques for groundwater prospecting. Karadi, G M *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 397-410. Ref. 1974 (Pub. 1975)

041327 TC177.I57 1974
Telemetric surveillance system for water quality management on the lower Fox River. Litwin, Y J; Joeres, E F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 264-291. Maps. Ref. 1974 (Pub. 1975)

041328 TC177.I57 1974
Telemetry in hydrology. Persoons, E; Bazier, G; Rouvet, J C; D'Eeckenbrugge, G C *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 243-263. Ref. 1974 (Pub. 1975)

041329 TC177.I57 1974
The benefits of a systems approach to remote water sensor data acquisition. Shaffer, G A *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 67-85. 1974 (Pub. 1975)

041330 TC177.I57 1974
The electrostatic flow meter [Water measurement]. Alger, G R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 83-89. 1974 (Pub. 1975)

041331 TC177.I57 1974
The national water data exchange—how it will benefit you. Edwards, M D *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 28-32. 1974 (Pub. 1975)

041332 TC177.I57 1974
The Niagara River acoustic streamflow measurement system. Halliday, R A; Archer, W M; Campbell, P I *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 109-128. Ref. 1974 (Pub. 1975)

041333 TC177.I57 1974
The worldwide need for water resource data. Stamm, G G *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: XXIII-XXVII. 1974 (Pub. 1975)

041334 TC177.I57 1974
Trials and tribulations in operating an automatic stream-quality sensing network [Water, computers]. Schornick, J C Jr; Schaefer, F L *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 416-432. Map. 1975

041335 TC177.I57 1974
Velocity measurement of water-air mixture [Speed measuring system]. Gerber, U *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 201-207. 1974 (Pub. 1975)

041336 TC177.I57 1974
Water management—are we on the right track? Bachus, W O *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: XXIX-XXXIII. 1974 (Pub. 1975)

041337 TC177.I57 1974
Water quality data collection programs: Environment Canada. Gale, R M; Demayo, A *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 8-20. Ref. 1974 (Pub. 1975)

041338 22 IN283
Improve quality of irrigation water. Sharma, R C; Abrol, I P *Indian Farming* 25 (7): 14-15. Oct 1975

041339 65.8 IN26
Economic use of water with nitrogen fertilization and assessment of suitable indices for scheduling irrigation in sugarcane. Singh, G; Joshi, D P; Sareen, K *Indian Sugar* 25 (5): 417-422. Ref. Aug 1975

041340 55.8 IR733
A forecast of irrigation developments in Italy. (Ita) Vanzetti, C *Irrigazione* 22 (3): 3-17. Eng. Sum. May/June 1975

041341 55.8 IR733
Antitranspiration agents employed with irrigation: efficiency and possibilities of use [Sorghum]. (Ita) Murtas, A *Irrigazione* 22 (3): 43-50. Ref. Eng. Sum. May/June 1975

041342 55.8 IR733
Experimental results of a two-year comparative irrigation research program between the drip-method and the side infiltration method [Tomato yields]. (Ita) Grossi, P; Ficini, F *Irrigazione* 22 (3): 33-41. Eng. Sum. May/June 1975

041343 55.8 IR733
Remarks on the economic efficiency of irrigation water [Maize, cost, returns]. (Fre) Arrighi de Casanova, J *Irrigazione* 22 (3): 51-54. Eng. Sum. May/June 1975

041344 S19.I78
FAO/UNDP [United Nations Development Program] pilot project paves the way for use of marginal water sources. Lanir, I *Isr Agric* P. 31-38. Autumn/Winter 1975

041345 16 IT1
Irrigation of peaches: comparison of three methods after two years of testing. (Ita) Natali, S; Xiloyannis, C *Ital Agric* 112 (9): 112-123. Sept 1975

041346 99.8 IT12
Application of Thiery's method of comparison for predictingthe gradient stability of some streams of Sieve Valley [Flood control]. (Ita) Falciai, M *Ital For Mont* 30 (3): 110-123. Ref. May/June 1975

041347 292.9 AM32J
Quabbin reservoir: a study of drought and water demand. Erickson, P A; Miner, N H; Camougis, G; Zajicek, O T *J Am Water Works Assoc* 67 (12): 679-685. Dec 1975

041348 292.9 AM32J
The future of water resources in northeastern Illinois. Ackermann, W C *J Am Water Works Assoc* 67 (12): 691-693. Map. Dec 1975

041349 292.9 AM32J
The water supply of Rome. Abrahams, H J *J Am Water Works Assoc* 67 (12): 663-668. Map. Ref. Dec 1975

041350 292.9 AM32J
Water-supply reservoirs: how much storage space remains? [Sedimentation]. *J Am Water Works Assoc* 67 (12): 674-678. Ref. Dec 1975

041351 450 J829
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the rain and in pools on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. Boatman, D J; Hulme, P D; Tomlinson, R W *J Ecol* 63 (3): 903-912. Ref. Nov 1975

041352 QH540.J6
Evaluation of methods for preserving the levels of soluble inorganic phosphorus and nitrogen in unfiltered water samples. Klingaman, E D; Nelson, D W *J Environ Qual* 5 (1): 42-46. Ref. Jan/Mar1976

QH540.J6
Nitrogen in soil cores and ground water under abandoned cattle feedlots. Mielke, L N; Ellis, J R *J Environ Qual* 5 (1): 71-75. Ref. Jan/Mar 1976

041353 QH540.J6
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal sewage lagoon effluent [Health hazards to livestock]. Bell, R G *J Environ Qual* 5 (1): 39-42. Ref. Jan/Mar1976

041354 292.8 J82
Groundwater behaviour in Tenerife, Volcanic Island (Canary Islands, Spain). Ecker, A *J Hydrol* 28 (1): 73-86. Maps. Jan 1976

041355 396.9 P49
Odorous compounds in water supplies: identification of camphor and p-methylacetophenone. (Jpn) Kikuchi, T; Mimura, T; Kawashima, Y; Moriwaki, Y; Masada, Y; Inoue, T *J Pharm Soc Jap* 95 (12): 1517-1519. Eng. Sum. Dec 1975

041356 75.8 K145
Irrigation [of potatoes] with potato processing water. (Ger) Diez, T *Kartoffelbau* 26 (9): 274-275. Sept 1975

041357 HD1491.G3K6
Experience in the management of the joint department for spray irrigation [East Germany]. (Ger) Schulz, K; Wabersich, R; Kluger, H *Kooperation* 9 (12): 538-541. Dec 1975

041358 SB193.A1L8
How to regulate the system of [pasture] irrigation. (Rus) Shuliakov, L *Korma* 2: 35-38. Mar/Apr 1975

041359 SB193.A1L8
Irrigated pastures in the Transcarpathian Region [Grass yields]. (Rus) Berger, M *Korma* 2: 44. Mar/Apr 1975

041360 SB193.A1L8
System of maize irrigation [Yields, costs]. (Rus) Kuznik, I; Terent'ev, F *Korma* 2: 31-32. Mar/Apr 1975

041361 9.2 L39
Dredging extends northern agricultural area of Rio de Janeiro State [Sugarcane yields]. (Por) Respsold, C A *Lavoura* 78 (1): 10-12. Jan/Feb 1975

041362 S17.N4
Conflicting water requirements in New Zealand. Implications for tomorrow's agriculture. Heiler, T D *N Z Agric Sci* 9 (3): 78-84. Ref. Aug 1975

041363 514 N482
Mercury in some New Zealand waters [Quality]. Weissberg, B G *N Z J Sci* 18 (2): 195-203. Ref. June 1975

041364 77.8 OL2
Watering of oilpalm nurseries in polybags by sprinkler. (Fre) Quencez, P *Oleagineux* 30 (10): 409-411. (Continued) Oct 1975

041365 TA593.A43
Hydrologic land use classifications of the Patuxent River watershed using ERTS [Earth Resources Technology Satellite]-1 digital data. Dallam, W C; Rango, A *Pap Annu Meet Am Soc Photogramm* 41st: 160-169. 1975

041366 157.8 R29
A time related automatic total-load sediment sampler [for measuring streams]. Renard, K G; Simanton, J R; Donica, L D *PB U S Natl Tech Inf Serv* 245100: 7-17-7-29. 1976

041367 157.8 R29
Channel changes produced by the 1973 flood on the lower Mississippi River. Walters, W H Jr *PB U S Natl Tech Inf Serv* 245100: 5-74-5-85. Maps. 1976

041368 157.8 R29
Channel improvements of the Missouri River [Drainage]. Richardson, E V; Christian, H *PB U S Natl Tech Inf Serv* 245100: 5-113-5-136. 1976

041369 157.8 R29
Characteristics of stable natural [stream] channels and their relation to channel design. DeCoursey, D G; Hunt, C G *PB U S Natl Tech Inf Serv* 245100: 5-13-5-24. Ref. 1976

041370 157.8 R29
Distribution of reservoir sediment—Iowa and Missouri deep loess hills. Heinemann, H G; Rausch, D L *PB U S Natl Tech Inf Serv* 245100: 4-138-4-148. Ref. 1976

041371 157.8 R29
Effect of land use on sediment delivery ratios [Erosion on watersheds]. Mutchler, C K; Bowie, A J *PB U S Natl Tech Inf Serv* 245100: 1-11-1-21. 1976

041372 157.8 R29
Entrenchment of drainage systems in western Iowa and northwestern Missouri. Piest, R F; Beer, C E; Spomer, R G *PB U S Natl Tech Inf Serv* 245100: 5-48-5-60. Ref. 1976

157.8 R29
Erosion and sediment from forest land uses, management practices and disturbances in the southeastern United States. Dissmeyer, G E *PB U S Natl Tech Inf Serv* 245100: 1-140-1-148. Map. 1976

157.8 R29
Erosion [on rangeland, forests and cropland] and sediment yield [to reservoirs] in New Mexico. Curtis, N M Jr *PB U S Natl Tech Inf Serv* 245100: 1-81-1-90. 1976

041373 157.8 R29
Evaluation of an extensive sediment control effort in the Los Angeles River basin [Flood Prevention Project]. Ruby, E C *PB U S Natl Tech Inf Serv* 245100: 2-91-2-102. 1976

041374 157.8 R29
Gaging sediment-laden flows with V-notch weirs [Watersheds]. Saxton, K E; Ruff, J F *PB U S Natl Tech Inf Serv* 245100: 7-43-7-53. 1976

041375 157.8 R29
Lake Powell sedimentation surveys [Colorado River Storage Project]. Lazenby, J F; Nelson, L *PB U S Natl Tech Inf Serv* 245100: 4-52-4-63. Maps. 1976

041376 157.8 R29
Model study of the drag coefficient of a streambed particle [Sedimentation]. Coleman, N L; Ellis, W M *PB U S Natl Tech Inf Serv* 245100: 4-1-4-11. 1976

041377 157.8 R29
Nutrients lost in debris and runoff water from a burned chaparral watershed. DeBano, L F; Conrad, C E *PB U S Natl Tech Inf Serv* 245100: 3-13-3-27. Ref. 1976

041378 157.8 R29
Proceedings of the Third Federal Inter-Agency Sedimentation Conference, March 22-25, 1976. Denver, Colorado. Federal Inter-Agency Sedimentation Conference, 3rd, Denver,; 1976; U.S. Water Resources Council Sedimentation Committee *PB U S Natl Tech Inf Serv* 245100, 754 P. 1976

041379 157.8 R29
Relation of erosion to sediment yield [Drainage basin]. Hadley, R F; Shown, L M *PB U S Natl Tech Inf Serv* 245100: 1-132-1-139. Maps. 1976

041380 157.8 R29
Reservoir sedimentation associated with catchment attributes landslide potential, geologic faults, and soil characteristics. Anderson, H W *PB U S Natl Tech Inf Serv* 245100: 1-35-1-46. Ref. 1976

041381 157.8 R29
Sediment control at Imperial Dam [Colorado River, flood control]. Moser, T H; Sears, W D *PB U S Natl Tech Inf Serv* 245100: 2-103-2-123. Maps. Ref. 1976

041382 157.8 R29
Sediment problems in the Mohave Valley—a case history [Colorado River Management]. Johns, E L *PB U S Natl Tech Inf Serv* 245100: 4-64-4-87. Map. 1976

041383 157.8 R29
Sediment sources and yields from sagebrush [Artemisia] rangeland watersheds. Johnson, C W; Hanson, C L *PB U S Natl Tech Inf Serv* 245100: 1-71-1-80. Map. Ref. 1976

041384 157.8 R29
Sediment transport studies in the Delta-Mendota Canal and the California Aqueduct [Water supply]. Arthur, J F; Cederquist, N W *PB U S Natl Tech Inf Serv* 245100: 4-88-4-100. Maps. Ref. 1976

041385 157.8 R29
Sediment yield from steep lands [forest slopes] in the driftless area [Watersheds]. Sartz, R S *PB U S Natl Tech Inf Serv* 245100: 1-123-1-131. 1976

041386 157.8 R29
Sediment yields from a Mississippi Delta watershed. Murphree, C E; Mutchler, C K; McDowell, L L *PB U S Natl Tech Inf Serv* 245100: 1-99-1-109. Map. 1976

041387 157.8 R29
Sedimentation in Birch Lake, Iowa County, Wisconsin. Cheetham, R N Jr; Wilke, R F *PB U S Natl Tech Inf Serv* 245100: 1-110-1-122. Maps. Ref. 1976

041388 157.8 R29
Sedimentation in Coon Creek Valley, Wisconsin [Eroded watershed]. Trimble, S W *PB U S Natl Tech Inf Serv* 245100: 5-100-5-112. Maps. 1976

041389 157.8 R29
Sedimentation of a flatland watershed in Louisiana. Akers, C R *PB U S Natl Tech Inf Serv* 245100: 1-174-1-180. Map. 1976

041390 157.8 R29
Sediment-phosphorus relations in surface runoff from irrigated lands. Carter, D L; Brown, M J; Bondurant, J A *PB U S Natl Tech Inf Serv* 245100: 3-41-3-52. Ref. 1976

041391 157.8 R29
Simulating erosion dynamics with a deterministic distributed watershed model. Smith, R E *PB U S Natl Tech Inf Serv* 245100: 1-163-1-173. Ref. 1976

041392 157.8 R29
Soil and water loss from impoundment terrace systems [Agricultural watersheds]. Laflen, J M; Johnson, H P *PB U S Natl Tech Inf Serv* 245100: 2-30-2-41. Map. Ref. 1976

041393 157.8 R29
Sources and sediment yield of Hawaiian watershed and coastal sediments. Fan, P F *PB U S Natl Tech Inf Serv* 245100: 1-219-1-231. Maps. 1976

041394 157.8 R29
Suspended sediment, solar radiation and heat in agricultural reservoirs. Schiebe, F R; Ritchie, J C; McHenry, J R *PB U S Natl Tech Inf Serv* 245100: 3-1-3-12. 1976

041395 157.8 R29
The hydrologic and sediment processes in natural watershed areas. Fleming, G; Leytham, K M *PB U S Natl Tech Inf Serv* 245100: 1-232-1-246. 1976

041396 157.8 R29
The use of color infrared photography for the determination of suspended sediment concentrations and source areas [Watersheds]. Rosgen, D L *PB U S Natl Tech Inf Serv* 245100: 7-31-7-42. Ref. 1976

041397 157.8 R29
Variation and causative factors of sediment yields in the Arkansas River basin, Kansas. Osterkamp, W R *PB U S Natl Tech Inf Serv* 245100: 1-59-1-70. Maps. 1976

041398 157.8 R29
Water and sediment routing from small watersheds. Li, R M; Stevens, M A; Simons, D B *PB U S Natl Tech Inf Serv* 245100: 1-193-1-204. 1976

041399 157.8 R29
Watershed erosion model validation for southwest Iowa. Onstad, C A; Piest, R F; Saxton, K E *PB U S Natl Tech Inf Serv* 245100: 1-22-1-34. Maps. 1976

041400 57.8 P34
Determination of irrigation rates for a thorough washing irrigation. (Rus) Marinochkina, A S; Pen'kovskii, V I *Pochvovedenie* 12: 90-93. Dec 1975

041401 S590.P6
Soil and ground water salination in the Stara Zagora irrigation system. (Bul) Shopski, N; Eneva, S *Pochvozn Agrokhim* 10 (5): 50-61. Eng. Sum. 1975

041402 19.5 P752
Irrigation amount and number of single irrigation quantities in the sugarbeet during the ontogenesis. (Slo) Tkac, J *Pol'nohospodarstvo* 21 (7): 515-523. Ref. Eng. Sum. 1975

041403 19.5 P752
Some knowledge obtained from irrigation and fertilization of sugarbeet in the East Slovakian Lowland. (Slo) Micho, J; Belej, J *Pol'nohospodarstvo* 21 (7): 542-550. Ref. Eng. Sum. 1975

041404 S613.A1T8
Can you prepare a master plan on existing projects? [Irrigation system]. Gordon, R *Proc Turfgrass Sprinkler Irrig Conf* 13th: 15-16. 1975

041405 S613.A1T8
Economic situation leads to master planning [Sprinkler irrigation]. Wood, W W Jr *Proc Turfgrass Sprinkler Irrig Conf* 13th: 5-7. 1975

041406 S613.A1T8
Master planning to avert a water crisis [Golf course, irrigation system]. Van Dam, J; Marsh, A W; Gibeault, V *Proc Turfgrass Sprinkler Irrig Conf* 13th: 43-44. 1975

041407 S613.A1T8
Report from Group I on golf course irrigation workshop problem. Camenga, B C *Proc Turfgrass Sprinkler Irrig Conf* 13th: 47-48. 1975

041408 S613.A1T8
Report from Group II on golf course irrigation workshop problem. Burns, D K *Proc Turfgrass Sprinkler Irrig Conf* 13th: 49-50. 1975

041409 S613.A1T8
Report from Group III on golf course irrigation workshop problem. Reinecke, B *Proc Turfgrass Sprinkler Irrig Conf* 13th: 51-52. 1975

041410 S613.A1T8
Santa Barbara problem as an example of what may lie ahead [Turfgrass irrigation]. Goodall, G E *Proc Turfgrass Sprinkler Irrig Conf* 13th: 45-46. 1975

041411 S613.A1T8
Selling the concept of a master plan [Sprinkler irrigation system]. Cloud, B *Proc Turfgrass Sprinkler Irrig Conf* 13th: 12-14. 1975

041412 S613.A1T8
What happens without a master plan? [Irrigation system]. Woffinden, J *Proc Turfgrass Sprinkler Irrig Conf* 13th: 10-11. 1975

041413 S613.A1T8
What is master planning? [Irrigation design]. Schardt, C *Proc Turfgrass Sprinkler Irrig Conf* 13th: 8-9. 1975

041414 21 R862
Experimental results regarding irrigation with sewage obtained from large complex swine farms. (Rum) Roman, G; Birnaure, I; Gheorghiev, M; Jarnea, S *Prod Veg Cereale Plante Teh* 26 (9): 41-45. Sept 1974

041415 21 R862
Irrigation of winter wheat under conditions of the plain in the south of Romania. (Rum) Sipos, G; Vasiliu, M *Prod Veg Cereale Plante Teh* 26 (10): 13-17. Oct 1974

041416 21 R862
Irrigation system for residual waters of Braunschweig, Federal Republic of Germany. (Rum) Pascu, A *Prod Veg Cereale Plante Teh* 27 (6): 38-39. June 1975

041417 21 R862
Regulation of the water regime on agricultural lots and flood control, a premise to secure high yields. (Rum) Giosan, N *Prod Veg Cereale Plante Teh* 26 (8): 8-11. Aug 1974

041418 21 R862
Results concerning the behaviour in exploitation of some irrigation systems, based on modern solutions, in southern Baragan and in the Oltenia plain. (Rum) Grumeza, N; Dascalescu, N; Schintee, C; Nestorescu, I *Prod Veg Cereale Plante Teh* 27 (4): 32-39. Maps. Eng. Sum. 1975

041419 21 R862
The irrigation system Sadova-Corabia has come into operation. (Rum) Dobre, V; Trasculescu, F; Popescu, E R *Prod Veg Cereale Plante Teh* 26 (8): 12-17. Aug 1974

041420 21 R862
Water consumption and irrigation regime in principal agricultural crops. (Rum) Sipos, G; Paltineanu, R *Prod Veg Cereale Plante Teh* 27 (5): 3-9. 1975

041421 TD420.A1P7
An automatic, continuous flow respirometer, its description and use. Fleps, W *Prog Water Technol* 7 (2): 1-12. Ref. 1975

041422 TD420.A1P7
The development of a harmonized monitoring programme for rivers in the United Kingdom [Water quality]. Price, D H A *Prog Water Technol* 7 (2): 99-110. 1975

041423 64.8 R18
Methods of irrigation and water regime of lucerne as affecting its morphological structure and root system. (Bul) Boikov, S *Rastenievud Nauk* 12 (7): 84-92. Ref. Eng. Sum. 1975

041424 TD201.N6
Strategies for water quality monitoring. Sherwani, J K; Moreau, D H *Rep Water Resour Res Inst Univ N C* 107, 137 P. Maps. Ref. June 1975

041425 S543.V5V5
Application of a parametric model to simulate flows from an urban watershed. Harris, J A; Shanholtz, V O *Res Div Rep Va Polytech Inst State Univ Res Rep* 164, 30 P. Ref. Nov 1975

041426 Q180.A1R42
A new approach to the estimation of low-frequency floods for small watersheds: eastern slope, Pennsylvania. Hammer, T R *RSRI Discuss Pap Ser (Reg Sci Res Inst)* 79, 41 P. Maps. Feb 1975

041427 Q180.A1R42
The perception and valuation of water quality: a review of research method and findings. Coughlin, R E *RSRI Discuss Pap Ser (Reg Sci Res Inst)* 80, 43 P. June 1975

041428 80 SA15
Pulsed sprinkling of palmetto-type orchards [Apple trees]. (Rus) Kushnirenko, M D; Zhulavskaia, M N; Kurchatova, G P; Bykov, V G; Chakir, IA M; Barzakh, IA L *Sadovod Vinograd Vinodel Mold* 8: 8-11. Aug 1975

57.8 P34AE
Molybdenum in the soils of Andizhan oblast and prospects for using molybdenum micronutrients [Irrigation]. Dekhkankhodzhayeva, S Kh; Kruglova, YE K *Sov Soil Sci* 7 (3): 314-320. May/June 1975

041429 292.8 T13
An application of stochastic process in flood frequency analysis for Lanyang River at Lanyang Bridge. (Chi) Lan, F S *Taiwan Water Conserv* 23 (3): 71-72. Eng. Sum. Sept 1975

041430 292.8 T13
Analysis of Taiwan rainfall data. 3. (Chi) Chang, C F *Taiwan Water Conserv* 23 (3): 35-58. Maps. Sept 1975

041431 292.8 T13
Study on the problems of groundwater in Taipei Basin. (Chi) Lin, K M *Taiwan Water Conserv* 23 (3): 59-70. Eng. Sum. Sept 1975

041432 1 AG84TE
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 revised model of watershed hydrology. A United States contribution to the International Hydrological Decade. Holtan, H N; Stiltner, G J; Henson, W H; Lopez, N C; U.S. Dept. of Agriculture *Tech Bull U S Dep Agric* 1518, 99 P. Maps. Ref. Dec 1975

041433 11 T439
The response of grass and grass/clover to irrigation. (Dan) Jorgensen, V *Tidsskr Plant* 79 (4): 545-560. Ref. Eng. Sum. 1975

041434 26 T754
A method for determining the irrigation requirement in Antigua, West Indies. Borden, R W *Trop Agric (Guilford)* 53 (1): 41-45. Jan 1976

041435 SB111.A2T72
Trickle irrigation in Australia. (Ger) Wolff, P *Tropenlandwirt* 76: 22-35. Eng. Sum. Oct 1975

041436 ASD11.A34
Specific conductance identifies perched and ground water lakes. Hawkinson, C F; Verry, E S; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 120, 5 P. Maps. 1975

041437 54.8 V26
Effect of drainage conditions on nitrogen supply and yield of young loamy soils in the Ysselmeer polders [Barley]. (Dut) Sieben, W H *Van Zee Land* 51, 180 P. Map. Ref. Eng. Sum. 1974

041438 20 AK16
Calculated availability of maximum water requirements in protective projects. (Rus) Artamonov, K F; Kroshkin, A N *Vestn S-kh Nauki (Alma-Ata)* 10: 94-96. Eng. Sum. Oct 1975

041439 80 V662
A simple and inexpensive chlorinator for trickle irrigation systems. *Victorian Hortic Dig* 66: 8-10. Spring 1975

041440 80 V662
Trickle irrigation blockages can be removed and prevented. Morris, I R J; Black, J D F *Victorian Hortic Dig* 66: 5-7. Spring 1975

041441 56.8 W28
Aggravations in the maintenence of bodies of water [Legislation]. (Ger) Wiedemann, W *Wasser & Boden* 27 (12): 311-313. Dec 1975

041442 56.8 W28
Consolidation tests in refilled lysimeters [Underground water]. (Ger) Olbrisch, H D *Wasser & Boden* 27 (4): 85-90. Ref. Apr 1975

041443 56.8 W28
Continuous trench construction method and grouted anchorage for regulation of the Vecht River in Schuettorf [Flood control]. (Ger) Grabe, H *Wasser & Boden* 27 (2): 30-33. Feb 1975

041444 56.8 W28
Contributions of the North Rhine-Westphalian Water and Waste Institute to the general planning of water management. (Ger) Zayc, R *Wasser & Boden* 28 (1): 1-3. Jan 1976

041445 56.8 W28
Control system for detention reservoirs [Flood control]. (Ger) Kleeberg, H B *Wasser & Boden* 27 (2): 25-26. Feb 1975

041446 56.8 W28
Cost-benefit analysis as a basis for dimensioning flood control measures: an empirical report. (Ger) Schreiber, P *Wasser & Boden* 27 (2): 27-29. Feb 1975

041447 56.8 W28
Critical comments on the execution and valuation of sub-surface drainage tests. (Ger) Dijkstra, J A *Wasser & Boden* 27 (4): 94-96. Apr 1975

041448 56.8 W28
Economics of irrigation in a Sprinkler Irrigation Association. (Ger) Bokermann, R; Strathusen, F W *Wasser & Boden* 27 (12): 324-325. Dec 1975

041449 56.8 W28
Flood protection control in the upper Lippe River basin. (Ger) Schulte, K H *Wasser & Boden* 27 (8): 211-214. Map. Aug 1975

041450 56.8 W28
Influence of vegetation covering on natural groundwater recharge as exemplified by the lysimeter system of Saint Arnold near Rheine (Westphalia). (Ger) Lippert, M *Wasser & Boden* 28 (1): 7-9. Jan 1976

041451 56.8 W28
Investigations on the water regulation of the Nidda Reservoir. (Ger) Euler, G; Schoppe, J *Wasser & Boden* 27 (4): 90-94. Ref. Apr 1975

041452 56.8 W28
Mathematical alternative models in water management. (Ger) Schmidtke, R F *Wasser & Boden* 27 (8): 195-197. Aug 1975

041453 56.8 W28
Models to determine the design period of water supply systems in developing countries—capacity expansion. (Ger) Cembrowicz, R G *Wasser & Boden* 27 (4): 75-77. Apr 1975

041454 56.8 W28
Possibilities of opening up water resources in Somalia (East Africa). (Ger) Berg, H D *Wasser & Boden* 27 (1): 10-13. Maps. Jan 1975

041455 56.8 W28
References to the planning and control of groundwater subsidence [Water management]. (Ger) Woszidlo, H *Wasser & Boden* 27 (12): 321-323. Ref. Dec 1975

041456 56.8 W28
Test drillings and pump tests in the "Vogelsberg" Hesse [Water supply]. (Ger) Wirth, H *Wasser & Boden* 27 (4): 77-78. Apr 1975

041457 56.8 W28
The change of groundwater quality in the Upper Rhine Valley between Spires and Worms. (Ger) Bangert, V *Wasser & Boden* 27 (8): 199-204. Maps. Aug 1975

041458 56.8 W28
Water supply problems on the Guajira Peninsula (Colombia). (Ger) Knoblich, K; Ortiz, F *Wasser & Boden* 27 (4): 83-85. Maps. Apr 1975

041459 TD420.W3
A semiautomated procedure for the determination of phosphorus in water, waste waters and particulates. Canelli, E; Mitchell, D G *Water Res* 9 (12): 1093-1098. Ref. Dec 1975

041460 1 AG84Y
A million gallons of water for a single acre of food [Irrigation]. Thorne, W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 237-248. 1975

041461 SB183.Z4
Irrigation of winter wheat in wedge-shaped furrows. (Rus) Shishkina, A T; Vinokhodov, V M *Zern Maslichn Kul't* 9: 39-40. Sept 1975

041462 SB183.Z4
[Growing] soybeans under irrigation in the region east of the Volga. (Rus) Liashenko, P E *Zern Maslichn Kul't* 7: 43-44. July 1975

041463 20.5 Z5
Effect of irrigation of productivity of meadows on muck-peat and muck-mineral soils. (Pol) Brandyk, T *Zesz Probl Postepow Nauk Roln* 169: 143-162. Map. Eng. Sum. 1975

041464 20.5 Z5
System of open and ground waters on meadows of the Huczwa river valley near Werbkowice. (Pol) Gajda, J; Zaleski, T *Zesz Probl Postepow Nauk Roln* 169: 125-133. Ref. Eng. Sum. 1975

20.5 Z5
[Meadow] plant communities in the Tysmienica river valley before and after regulation of water conditions. (Pol) Baryla, R *Zesz Probl Postepow Nauk Roln* 169: 109-114. Eng. Sum. 1975

041465 11 T58
Drainage economics [Maize, beets, grass]. (Dan) Stryg, P E *12Mandsbladet* 47 (9): 409-415. Sept 1975

GENERAL NATURAL RESOURCES AND ENVIRONMENTAL POLLUTION

041466 14 P215BC
Membrane treatments of cider making and starch industry wastewaters. (Fre) Gac, A; Tessier, J P *Acad Agric Fr C R Seances* 61 (7): 380-394. 1975

041467 QD1.A45
Alternatives to marine disposal of sewage sludge. Dick, R I *ACS Symp Ser (Amer Chem Soc)* 18: 453-466. Ref. 1975

041468 QD1.A45
Chemical and bacterial cycling of heavy metals in the estuarine system [Water pollution]. Brinckman, F E; Iverson, W P *ACS Symp Ser (Amer Chem Soc)* 18: 319-342. Ref. 1975

041469 QD1.A45
Chemical factors influencing metal alkylation in water [Pollution]. Jewett, K L; Brinckman, F E; Bellama, J M *ACS Symp Ser (Amer Chem Soc)* 18: 304-318. Ref. 1975

041470 QD1.A45
Effects of baled solid waste disposal in the marine environment—a descriptive model [Water and air pollution]. Loder, T C *ACS Symp Ser (Amer Chem Soc)* 18: 467-486. Ref. 1975

QD1.A45
Lipid geochemistry of recent sediments from the Great Marsh, Lewes, Delaware [Vegetation]. Swetland, P J; Wehmiller, J F *ACS Symp Ser (Amer Chem Soc)* 18: 285-303. Maps. Ref. 1975

041471 QD1.A45
Nonbiological degradation and transformations of organic pesticides in aqueous systems. Faust, S D *ACS Symp Ser (Amer Chem Soc)* 18: 572-595. Ref. 1975

041472 QD1.A45
Nutrient budgets in the Hudson River estuary [Sewage treatment, water pollution]. Simpson, H J; Hammond, D E; Deck, B L; Williams, S C *ACS Symp Ser (Amer Chem Soc)* 18: 618-638. Maps. Ref. 1975

041473 QD1.A45
Pollutant inputs and distributions off southern California [Water pollution]. Young, D R; McDermott, D J; Heesen, T C; Jan, T K *ACS Symp Ser (Amer Chem Soc)* 18: 424-439. Ref. 1975

041474 QD1.A45
Sludge disposal and the coastal metropolis. Nash, N *ACS Symp Ser (Amer Chem Soc)* 18: 410-423. 1975

041475 QD1.A45
Trends in waste solid disposal in U.S. Coastal waters, 1968-1974. Gross, M G *ACS Symp Ser (Amer Chem Soc)* 18: 394-405. Maps. Ref. 1975

041476 QD1.A45
Use of silver and zinc to trace sewage sludge dispersal in coastal waters. Rutherford, F; Church, T *ACS Symp Ser (Amer Chem Soc)* 18: 440-452. Ref. 1975

041477 16 AG8226
Impact of man on biological equilibrium [Natural resources]. (Ita) Corbetta, F *Agricoltura* 24 (2): XVII-XXIII. Feb 1975

041478 16 AG8226
Rio Bianco, a miraculously intact beauty spot [Natural resources, conservation]. (Ita) Fanfani, A *Agricoltura* 24 (2): I-VIII. Map. Feb 1975

041479 16 AG8226
The Mediterranean sea condemned to death because of inadequacy of legislation [Water pollution]. (Ita) Reina, A *Agricoltura* 23 (7): XVIII-XX. Aug 1974

041480 16 AG8226
The mountain and the conservation of nature in the programs of the European Economic Community. (Ita) *Agricoltura* 24 (9): V-XI. Sept 1975

385 AG89
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, radioactive contamination]. (Rus) Guliakin, I V; [Udintseva, E V; Rulevskaia, N N *Agrokhimiia* 8: 95-102. Ref. Aug 1975

041481 Q184.A54
Simultaneous analysis of dissolved metal pollutants in water. Smith, F C Jr; Mathiesen, J M; Masi, O; Spittler, T M *Am Lab* 7 (12): 41-43, 46-47. Dec 1975

041482 Q184.A54
The need for practical standards in air pollution measurement. McAdie, H G; Hopton, F J *Am Lab* 7 (12): 13-14, 16-18, 20. Dec 1975

041483 49 C43
Separating the liquid and solid excreta in animal waste disposal. (Jpn) Kobayashi, S; Miyashita, M; Mitsumura, J *Anim Husb* 29 (7): 989-995. July 1975

041484 105.4 P435
Study of geologic and environmental conditions of the "Rupi" in Ancona [Natural resources, conservation]. (Ita) Giovagnotti, C; Calandra, R *Ann Perugia Univ Fac Agrar* 29: 315-347. Maps. Ref. Eng. Sum. 1974

041485 105.4 P435
Variations of biochemical oxygen demand and dissolved oxygen in a steady stream by integration of a hyperbolic differential equation [Water pollution]. (Ita) Ubertini, L *Ann Perugia Univ Fac Agrar* 29: 187-198. Eng. Sum. 1974

105.4 P435
Water polluted with detergents and hydrologic characteristics of farm lands. II. Investigations on the stability of [soil] structure. (Ita) Cardinali, A; Stoppini, Z *Ann Perugia Univ Fac Agrar* 29: 349-368. Ref. Eng. Sum. 1974

041486 448.3 AP5
Microbial indicators of oil-rich salt marsh sediments. Hood, M A; Bishop, W S Jr; Bishop, F W; Meyers, S P; Whelan, T III *Appl Microbiol* 30 (6): 982-987. Map. Ref. Dec 1975

041487 448.3 AP5
Removal of algae from Florida lakes by magnetic filtration [Pollution]. Bitton, G; Fox, J L; Strickland, H G *Appl Microbiol* 30 (6): 905-908. Ref. Dec 1975

041488 SD1.A68
[National] parks in Poland. Baniukiewicz, E *Arboric Assoc J* 2 (9): 382-387. Map. Sept 1975

041489 TD881.A8
Chlorofluoromethanes in the stratosphere and some possible consequences for ozone [Atmospheric pollution]. Turco, R P; Whitten, R C *Atmos Environ* 9 (12): 1045-1061. Ref. 1975

041490 TD881.A8
Indoor air pollution due to chipboard used as a construction material. Andersen, I; Lundqvist, G R; Molhave, L *Atmos Environ* 9 (12): 1121-1127. Ref. 1975

041491 TD881.A8
The long range transport of sulphur dioxide [Air pollution]. Fisher, B E A *Atmos Environ* 9 (12): 1063-1070. Maps. Ref. 1975

041492 TC521.A8
An assessment of eutrophication in Australian inland waters[Pollution, algae, macrophyta]. Wood, G *Aust Water Resour Counc Tech Pap* 15, 238 P. Ref. 1975

041493 S900.B5
Some ecological aspects of the Cabora Bassa dam. Davies, B R; Hall, A; Jackson, P B N *Biol Conserv* 8 (3): 189-201. Ref. Nov 1975

041494 TP570.B5
Treatment of brewery residual waters. (Fre) Rateau, A *BIOS* 6 (10): 333-340. Oct 1975

041495 500 AM322A
State of the environment and its implications to resource policy development. Biswas, A K; Biswas, M R *BioScience Am Inst Biol Sci* 26 (1): L9-25. Ref. Jan 1976

041496 381 J8224
Fermentation of agricultural wastes by yeast. Nagy, G; Vaillant, M; Balint, K; Sos, A *Biotechnol Bioeng* 17 (12): 1823-1826. Dec 1975

041497 512 W262
Field experiment on the effect of municipal sewage on macrophytes and epifauna in the lake littoral [Tests with Potamogeton perfoliatus]. Ozimek, T; Sikorska, U *Bull Acad Pol Sci, Ser Sci Biol* 23 (7): 447-455. 1975

041498 451 C7622
Energy conservation on the home grounds: the role of naturalistic landscaping. Niering, W A; Goodwin, R H *Bull Conn Arbor Conn Coll* 21, 27 P. Ref. July 1975

041499 410 B98
The value of natural resources in the Bukk Mountains [Hungary]. (Hun) Varga, Z; Gyulai, P *Buvar* 30 (12): 546-552. Dec 1975

100 C12CAG
Impact of air pollution on the growth of ponderosa pine [Pinus, injuries]. McBride, J R; Semion, V P; Miller, P R; California Agricultural Experiment Station *Calif Agric* 29 (12): 8-9. Dec 1975

041500 302.9 EN8
The project of the Swedish forest industry for the protection of the environment [against pollution]. (Ita) Sjoberg, G *Cellul Carta* 26 (7/8): 62-68. July/Aug 1975

041501 57.8 C734
The Cal Recovery System: resource recovery system for dealing with the problems of solid waste management. Savage, G; Diaz, L F; Trezek, G J *Compost Sci* 16 (5): 18-21. Autumn 1975

041502 57.8 C734
Wastewater renovation and reuse: urgent environmental need. D'Itri, F *Compost Sci* 16 (5): 26-27. Ref. Autumn 1975

041503 303.8 IT1
Technological interests in proteinic tanning residues [Waste utilization, pollution]. (Ita) Del Pezzo, L; De Simone, G *CPMC (Cuoio Pelli Mater Concianti* 51 (5): 515-534. Ref. Oct 1975

041504 44.8 D1443
A two pound system of dairy shed effluent disposal. Pollock, A *Dairyfarm Dig* 22 (3): 4-6. Winter 1975

041505 44.8 D1443
Management is important in effluent disposal [Dairy farms]. Haynes, P *Dairyfarm Dig* 22 (3): 2-4. Winter 1975

041506 TD1.E2
Dynamic behavior of vinyl chloride in aquatic ecosystems [Water pollution]. Hill, J; Kollig, H P; Paris, D F; Wolfe, N L; Zepp, R G *Ecol Res Ser EPA U S Environ Prot Agency* 600/3-76-001, 63 P. Ref. Jan 1976

041507 TD201.E3
Protein recovery as an effluent treatment process. Grant, R A *Effluent Water Treat J* 15 (12): 616-619, 621. Dec 1975

512 W263
Changes in the composition of an agrocenose as assessed twenty-two years after treatment with excessive amounts of Verindal F (Streumittel) [Benzene hexachloride]. Borowiec, S; Gladoch, M; Honczarenko, J; Kwarta, H; Zembrzuska, D *Ekol Pol* 23 (1): 3-18. 1975

041508 TD192.E58
Recent studies on biological effects of crude oils and oil-dispersant mixtures to Red Sea macrofauna [Water pollution]. Eisler, R; Kissill, G W; Cohen, Y *Environ Monit Ser EPA U S Environ Prot Agency* 600/4-74-004: 156-179. Maps. Ref. Oct 1974

041509 TD192.E58
Recommended design of sample intake systems for automatic instrumentation [Measurement of water quality and waste effluents]. Lauch, R P *Environ Monit Ser EPA U S Environ Prot Agency* 600/4-75-012, 23 P. Nov 1975

041510 TD172.E55
An experimental approach to the study of pollution effects in aquatic ecosystems. Saward, D *Environ Sci Res* 7: 86-90. Ref. 1975

041511 TD172.E55
Behavior of mercury in natural systems and its global cycle. Wollast, R; Billen, G; Mackenzie, F T *Environ Sci Res* 7: 145-166. Ref. 1975

041512 TD172.E55
Ecological toxicology research. Effects of heavy metal and organohalogen compounds, proceedings of a NATO science committee conference. McIntyre, A D; Mills, C F; NATO Science Committee Conference on Eco-Toxicology, Mo; Unt Gabriel, Quebec, 1974 *Environ Sci Res* 7, 323 P. Ref. 1975

041513 TD172.E55
Ecotoxicology—a new branch of toxicology: a general survey of its aims methods, and prospects [Pollution]. Truhaut, R *Environ Sci Res* 7: 3-27. Ref. 1975

041514 TD172.E55
Mobilization of metals in the Dutch Wadden Sea. Duinker, J C *Environ Sci Res* 7: 167-176. Map. Ref. 1975

041515 TD172.E55
Organochlorines in the aquatic environment. Zitko, V *Environ Sci Res* 7: 82-85. 1975

041516 TD172.E55
Potentially persistent industrial organic chemicals other than PCB [polychlorinated biphenyl]. Zitko, V *Environ Sci Res* 7: 197-206. Ref. 1975

041517 TD172.E55
Problems in aquatic ecosystems, with special reference to heavy metal pollution of the marine environment. Ketchum, B H *Environ Sci Res* 7: 76-81. 1975

041518 TD172.E55
Some effects of pollutants in terrestrial ecosystems. Stickel, W H *Environ Sci Res* 7: 25-74. Ref. 1975

041519 TD172.E55
The significance of multielement analyses in metal pollution studies. Coombs, T L *Environ Sci Res* 7: 187-195. Ref. 1975

041520 TD420.A1E5
Chromatographic isolation and spectral analysis of polycyclic quinones application to air pollution analysis. Pierce, R C; Katz, M *Environ Sci Tech* 10 (1): 45-51. Ref. Jan 1976

041521 18 W763
Mobile application of semi-liquid manure by agrochemical centres. (Ger) Koriath, H; Kreiss, K; Schulz, M; Mauer, S *Feldwirtschaft* 16 (10): 468-472. Oct 1975

041522 QH96.F6
Some effects of agricultural development and fluctuations in water level on the phytoplankton productivity and zooplankton of a New Zealand reservoir [Eutrophication]. Mitchell, S F *Freshwater Biol* 5 (6): 547-562. Map. Ref. Dec 1975

QH96.F6
Studies of tolerance to heavy metals in the flora of the rivers Ystwyth and Clarach, Wales [Algae, pollution monitoring]. Mclean, R O; Jones, A K *Freshwater Biol* 5 (5): 431-444. Maps. Ref. Oct 1975

041523 S19.G74
Fertilizers, environmental pollution—Indian case analyzed. Kanwar, J S *Green Revolution* P. 61-64. 1974

041524 QC795.H4
Radiation doses from iodine-129 [isotope] in the environment. Soldat, J K *Health Phys* 30 (1): 61-70. Ref. Jan 1976

041525 QD79.C4C48
Gas chromatographic analysis in air pollution. Braman, R S *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 79-121. Ref. 1975

041526 0D79.C4C48
Gas chromatographic analysis in water pollution. Jacobson, B S *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 399-427. Ref. 1975

041527 QD79.C4C48
Gas chromatographic analysis in waste chemistry [Contaminants]. Dell'Acqua, R C *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 581-609. Ref. 1975

041528 0D79.C4C48
Ion-exchange analysis in water-pollution. Walton, H F *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 565-579. Ref. 1975

041529 QD79.C4C48
Liquid chromatography analysis in air pollution. Kay, K *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 123-178. Ref. 1975

041530 0D79.C4C48
Liquid chromatographic analysis in water pollution. Suffet, I H; Sowinski, E J *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 429-488. Ref. 1975

041531 QD79.C4C48
Liquid chromatographic analysis in waste chemistry. Hamilton, C E *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 611-624. Ref. 1975

041532 QD79.C4C48
Paper chromatographic analysis in air pollution. Chesters, G; Graetz, D A *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 179-192. Ref. 1975

041533 0D79.C4C48
Paper chromatographic analysis in water pollution. Aly, O M; Faust, S D *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 489-513. Ref. 1975

041534 QD79.C4C48
Paper chromatographic analysis in waste chemistry. Hunter, J V *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 625-638. Ref. 1975

041535 QD79.C4C48
Thin-layer chromatographic analysis in air pollution. Bender, D F; Elbert, W C *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 193-243. Ref. 1975

041536 0D79.C4C48
Thin-layer chromatographic analysis in water pollution. Aly, O M; Faust, S D *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 515-564. Ref. 1975

041537 QD79.C4C48
Thin-layer chromatographic analysis in waste chemistry. McGonigle, E J *In Chromatographic Analysis of the Environment. R. L. Grob, ed.* P. 639-673. Ref. 1975

041538 QH541.15.M3E26
Application of mathematical models to the study, monitoring and [natural resource] management of the North Sea. Nihoul, J C J *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 135-147. Maps. 1975

041539 QH541.15.M3E26
CLEAN [Comprehensive Lake Ecosystem Analyzer], the aquatic model of the eastern deciduous forest biome. Chen, C W *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 83-101. Maps. Ref. 1975

041540 QH541.15.M3E26
CLEANER [ecosystem model]: the Lake George model. Park, R A; Scavia, D; Clesceri, N L *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 49-81. Map. 1975

041541 QH541.15.M3E26
Ecological modeling in a resource management framework: an introduction. Spofford, W O Jr *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 13-48. Ref. 1975

041542 QH541.15.M3E26
Management of large-scale environmental modeling projects. O'Neill, R V *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 251-282. Ref. 1975

041543 QH541.15.M3E26
Phytoplankton [Algae] models and eutrophication problems. O'Connor, D J; Di Toro, D M; Thomann, R V *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 149-209. Maps. 1975

041544 QH541.15.M3E26
Present problems and future prospects of ecological modeling. Orlob, G T *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 283-312. 1975

041545 QH541.15.M3E26
The Delaware estuary [Resource management]. Kelly, R A *In Ecological Modeling in a Resource Management Framework Proceedings of a Symposium* P. 103-134. Map. Ref. 1975

RA565.M3
Infectious diseases from water. Taylor, A; McCabe, L J; Gangarosa, E J; Schultz, M G *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 284-304. Ref. 1974

041546 RA565.M3
Water pollution. Hunt, H R *In Environmental Problems in Medicine. W. D. McKee, ed.* P. 273-283. 1974

QL461.S89
Insects and human welfare. McKelvey, J J Jr *In Insects, Science & Society Proceedings of a Symposium* P. 13-24. Ref. 1974 (Pub.1975)

041547 QH76.Z82
Assessing landscape resources: a proposed model. Iverson, W D *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 274-288. 1975

041548 QH76.Z82
Assessing visual-cultural values of inland wetlands in Massachusetts. Smardon, R C *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 4-9. 289-318. Map. 1975

041549 QH76.Z82
Landscape assessment of the Upper Great Lakes Basin resources: a macro-geomorphic and micro-composition analysis. Polakowski, K J *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 203-219. 1975

041550 QH76.Z82
Model for evaluation of the visual-cultural resources of the southeastern New England region. Riotte, R J; Fabos, J G; Zube, E H *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 254-273. 1975

041551 QH76.Z82
Qualitative landscape values: the historical perspective. Nash, R *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 10-17. 1975

041552 QH76.Z82
Qualitative values in the landscape [Environmental planning]. Eckbo, G *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 31-37. 1975

041553 QH76.Z82
The historic American landscape. Jackson, J B *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 4-9. 1975

041554 QH76.Z82
The regional landscape concept for the Basel region. Plattner, R M *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 188-202. Ref. 1975

041555 QH76.Z82
This fair land [Landscape]. Stillman, C W *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 18-30. Ref. 1975

041556 QH76.Z82
Visual and cultural components of the landscape resource assessment model of the METLAND [Model for Metropolitan Landscape Planning] study. Fabos, J G; Hendrix, W G; Greene, C M *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 319-343. 1975

041557 QH76.Z82
[Landscape] perception and prediction of scenic resource values of the Northeast. Zube, E H; Pitt, D G; Anderson, T W *In Landscape Assessment: Values, Perceptions, & Resources. E. H. Zube, R. O. Brush & J. G. Fabos, eds.* P. 151-167. Map. 1975

QH541.5.L3S7
Aquatic plants [Weeds, water pollution]. Little, E C S *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 293-300. 1975

041558 QH541.5.L3S7
Nutrient reactions [Eutrophication]. Macgregor, A N; Keeney, D R *In Man-Made Lakes and Human Health. N. F. Stanley & M. P. Alpers, eds.* P. 237-257. Ref. 1975

041559 TC177.I57 1974
A chloride reduction model for the Rhine River [Water pollution]. Langran, K J *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 519-535. Map. Ref. 1974 (Pub. 1975)

041560 TC177.I57 1974
A data acquisition and analysis technique for developing a synoptic presentation of hydrothermal field survey data [Impact on the environment]. Markofsky, M; Binkerd, R C; Kalasinsky, C *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 53-66. Map. 1974 (Pub. 1975)

041561 TC177.I57 1974
A preliminary analysis of [effluent] treatment plant monitoring programs. Berthouex, P M; Hunter, W G *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 299-326. Ref. 1974 (Pub. 1975)

041562 TC177.I57 1974
A technique for flow measurements in urban runoff studies [Storm sewers]. Marsalek, J *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 508-516. 1975

041563 TC177.I57 1974
Analysis of trace quantities of oil [pollution] in water by gas chromatography. Langdon, W M; Mark, T; Wasan, D T *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 202-214. 1974 (Pub. 1975)

041564 TC177.I57 1974
Application of luminescence methods for determination of aromatics in water [Algae, oil, pesticides, pollution]. Horning, A W; Brownrigg, J T *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 141-168. Ref. 1974 (Pub. 1975)

041565 TC177.I57 1974
Assessment of urban runoff quantity and quality [Water pollution]. Preul, H C *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 517-537. 1975

041566 TC177.I57 1974
Automated chemical analysis for water quality measurement [Pollution control]. Du Cros, M J F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 215-227. 1974 (Pub. 1975)

041567 TC177.I57 1974
Automatic monitoring of effluents—a feasibility study [Wastewater treatment]. Anderson, J J; Martenson, D R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 368-378. Maps. 1974 (Pub. 1975)

041568 TC177.I57 1974
Comparative determinations of organic matter in polluted maintenance dredgings. Krizek, R J; Katz, B M *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 492-504. Ref. 1974 (Pub. 1975)

041569 TC177.I57 1974
Data acquisition systems for remote underwater monitoring platforms [Environment protection]. Morgan, P V *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 3-7. 1974 (Pub. 1975)

041570 TC177.I57 1974
Determining the tolerance of a recreational lake for development and usage [Water pollution]. Frey, R H; Fabian, R V Jr *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 505-518. Ref. 1974 (Pub. 1975)

041571 TC177.I57 1974
Estimates of allowable wastewater discharges—field surveys and analysis of data. Goodman, A S *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 86-108. Maps. Ref. 1974 (Pub. 1975)

041572 TC177.I57 1974
Evaluation and interpretation of diversity measures as biological indices of pollution and/or environmental change in aquatic systems. Bender, M F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 474-481. 1974 (Pub. 1975)

041573 TC177.I57 1974
Implementation of new technologies in the design of an automatic liquid sampling system [Wastewater]. Shelley, P E *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 352-367. 1974 (Pub. 1975)

041574 TC177.I57 1974
Improvements in chlorine residual analyzers [Water and wastewater treatment]. Zeh, T G Jr *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 187-190. 1974 (Pub. 1975)

041575 TC177.I57 1974
Instrumentation for urban stormwater and wastewater. Jasper, K E *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 487-488. 1975

041576 TC177.I57 1974
Instrumentation for biological monitoring of industrial wastes. Cairns, J Jr; Dickson, K L; Westlake, G F *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 538-547. Ref. 1975

041577 TC177.I57 1974
Modelling influent BOD [biological oxygen demand] data for a sewage treatment plant. Berthouex, P M; Hunter, W G; Pallesen, L C; Shih, C Y *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 208-223. 1974 (Pub. 1975)

041578 TC177.I57 1974
Neutron logging in partially saturated media [Water content]. Hearst, J R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 411-434. Ref. 1974 (Pub. 1975)

041579 TC177.I57 1974
New electronic flow measurement for wastewater. Schontzler, J G *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 489-507. 1975

041580 TC177.I57 1974
Oil spill prevention by early detection of oil on water [Pollution]. Grillo, P H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 536-552. Ref. 1974 (Pub. 1975)

041581 TC177.I57 1974
Physical and biological interrelationships in a complex coastal zone [Sewage discharge]. Lee, K K; Goldsby, A I *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 375-393. 1974 (Pub. 1975)

041582 TC177.I57 1974
Rapid determination of phenol content of water [Pollution]. Williamson, J A *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 175-186. Ref. 1974 (Pub. 1975)

041583 TC177.I57 1974
Remote sensing instrumentation and methods [Control of water pollution]. Mytelka, A I *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 231-242. Maps. 1974 (Pub. 1975)

041584 TC177.I57 1974
Statistical considerations in assessing biological effects of aquatic industrial effluents. Zar, J H *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 482-491. 1974 (Pub. 1975)

041585 TC177.I57 1974
Strategies for monitoring environmental impacts on the upper Mississippi River. Gudmundson, B J R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 111-121. Maps. 1974 (Pub. 1975)

041586 TC177.I57 1974
The importance of systems management in environment assessments. Rowe, P W *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 2: 469-473. 1974 (Pub. 1975)

041587 TC177.I57 1974
Variations of the municipal waste effluent quality and the implications for monitoring. Sparr, T M; Hann, R W Jr *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 548-576. Ref. 1975

041588 TC177.I57 1974
Water quality of urban storm runoff. Singh, R *In Proceedings of the International Seminar and Exposition on Water Resources Instrumentation* 1: 577-589. Ref. 1975

041589 QP141.A1W4 1974
Environmental problems in the meat industry [Waste disposal]. Binkerd, E F; Hesler, J C; Kolari, O E *In Proceedings Western Hemisphere Nutrition Congress* 4th: 247-252. 1974 (Pub. 1975)

QP141.A1W4 1974
Food and water contamination with heavy metals. Chisolm, J J Jr *In Proceedings Western Hemisphere Nutrition Congress* 4th: 253-257. Ref. 1974 (Pub. 1975)

041590 SF95.W3 1975
A risk perspective on waste utilization. Migicovsky, B B *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 215-218. 1975

041591 SF95.W3 1975
Animal agriculture and waste recycling. Maceachern, G A *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 6-25. 1975

041592 SF95.W3 1975
Conference background paper: Agriculture and the Recycle Society. Maceachern, G A *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 246-253. 1975

041593 SF95.W3 1975
Economic constraints for waste conversion and a way around them. Bender, R *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 206-214. Ref. 1975

041594 SF95.W3 1975
Environmental protection: government priority. Biggs, E *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 142-154. 1975

041595 SF95.W3 1975
Transportation and waste disposal. Williams, J C *In Waste Recycling and Canadian Agriculture Conference Proceedings* P. 46-53. 1975

041596 475 IN22
Studies on the production of furfural from agro-industries wastes under normal pressure. Chakrabarti, R K; Haque, R; Iyengar, M S *Indian J Technol* 13 (7): 315-318. Ref. July 1975

041597 65.8 IN26
Sugar factory effluents. Chatterjee, A C; Dutt, B M; Kalaswad, S R; Math, B R; Kelkar, V K *Indian Sugar* 25 (5): 351-360. Ref. Aug 1975

041598 20 M57AG
Nature conservation and questions of hunting organization improvement. (Ger) Romanow, S *Int Z Landwirtsch* 6: 714-715. 1975

16 IT1
Ecology and agriculture. (Ita) Fischetti, B *Ital Agric* 112 (10): 20-23. Oct 1975

041599 16 IT1
Microbiological considerations on pollution and eutrophication of waters. (Ita) Florenzano, G *Ital Agric* 112 (9): 88-95. Ref. Sept 1975

041600 16 IT1
Organic matter and soil pollution. (Ita) Sequi, P; Cervelli, S *Ital Agric* 112 (10): 57-81. Ref. Oct 1975

041601 16 IT1
Quality of the environment [Research projects, Italy]. (Ita) Giovannozzi-Sermanni, G *Ital Agric* 112 (5): 56-58. May 1975

041602 385 AG8
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria [Escherichia coli] from the feces of sheep. (Jpn) Tamari, M; Horiguchi, M; Kandatsu, M *J Agric Chem Soc Jap* 49 (12): 653-659. Ref. Eng. Sum. Dec 1975

381 J8223
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by microorganisms [Environmental contamination]. Juengst, F J Jr; Alexander, M *J Agric Food Chem* 24 (1): 111-115. Ref. Jan/Feb 1976

041603 49 J82
Efficacy of certain chemical and biological compounds for control of odor from anaerobic liquid swine manure. Cole, C A; Barlett, H D; Buckner, D H; Younkin, D E *J Anim Sci* 42 (1): 1-7. Jan 1976

041604 385 C443
Determination of inorganic pollutants in river water with ion selective electrode. Chu, C F; Chang, F C; Lee, J K; Tsai, H T; Wu, S C *J Chin Chem Soc* (Ser. 2) 22 (2): 157-161. Ref. June 1975

041605 QH540.J6
Distribution of plutonium in soil particle size fractions of liquid effluent-receiving areas at Los Alamos [Radioactive contamination]. Nyhan, J W; Miera, F R Jr; Peters, R J *J Environ Qual* 5 (1): 50-56. Ref. Jan/-Mar 1976

041606 QH540.J6
Heavy metals application and plant uptake in a land disposal system for waste water. Sidle, R C; Hook, J E; Kardos, L T *J Environ Qual* 5 (1): 97-102. Ref. Jan/Mar 1976

QH540.J6
Movement of carbaryl through Congaree soil into ground water. LaFleur, K S *J Environ Qual* 5 (1): 91-92. Jan/Mar 1976

041607 QH540.J6
Nitrogen and sulfur content and pH of precipitation in Iowa [Hydrogen-ion concentration , air pollution, water quality]. Tabatabai, M A; Laflen, J M *J Environ Qual* 5 (1): 108-112. Ref. Jan/Mar 1976

041608 QH540.J6
Retention of metals in sewage sludge. 1. Constituent heavy metals. Lagerweff, J V; Biersdorf, G T; Brower, D L *J Environ Qual* 5 (1): 19-23. Ref. Jan/Mar1976

041609 QH540.J6
Retention of metals in sewage sludge. II. Incorporated radioisotopes. Lagerwerff, J V; Biersdorf, G T; Brower, D L *J Environ Qual* 5 (1): 23-25. Ref. Jan/Mar1976

041610 QH540.J6
Treatment of potato processing waste water on agricultural land. Smith, J H *J Environ Qual* 5 (1): 113-116. Ref. Jan/Mar 1976

QH540.J6
Yield and cadmium accumulation of forage species in relation to cadmium content of sludge-amended soil. Bingham, F T; Page, A L; Mahler, R J; Ganje, T J *J Environ Qual* 5 (1): 57-60. Ref. Jan/Mar 1976

041611 99.8 J82
Landscape management in the Principality of Liechtenstein. (Ger) Broggi, M F *J For Suisse* 126 (11): 840-851. Map. Nov 1975

041612 G141.J6
Some conservation schemes of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the fur trade [Beaver and other fur-bearers]. Ray, A J *J Hist Geogr* 1 (1): 49-68. Map. Jan 1975

041613 11 L236
Plan for environmental protection in Trondheim. (Nor) *Landbrukstidende* 81 (40): 861-862. Oct 4, 1975

041614 99.9 W262
Nature protection: new or old branch of science? (Pol) Wiecko, E *Lesnictwo (Warsz)* 21: 179-204. Ref. Eng. Sum. 1975

041615 SF221.N4
A simple system for the measurement of the biochemical oxygen demand of an effluent sample [Dairy industry]. Peberdy, M F *N Z J Dairy Sci Technol* 10 (3): 129-130. Sept 1975

041616 514 N482
Survey of lead in Christchurch soils. [Contaminatiom]. Jordan, L D; Hogan, D J *N Z J Sci* 18 (2): 253-260. Map. June 1975

041617 472 N21
Long range transport of toxaphene insecticide in the atmosphere of the western North Atlantic [Pollution]. Bidleman, T F; Olney, C E *Nature* 257 (5527): 475-477. Map. Ref. Oct 9, 1975

041618 QH5.N33
Excursions through the Elbufer-Drawehn National Park. (Ger) Fisenne, O von *Natursch Naturp* 77: 39-42. 1975

041619 QH5.N33
The Altmuhltal National Park: organizational plan [Bavaria]. (Ger) Keller, W E *Natursch Naturp* 77: 45-48. 1975

041620 QH5.N33
Westensee and Hutten Mountains: two [national] parks in Schleswig-Holstein. (Ger) Koll, C *Natursch Naturp* 77: 15-18. 1975

041621 474 N213
Mercury in environment of southern Lower Saxony. (Ger) Bombosch, S; Peters, L *Naturwissenschaften* 62 (12): 575. Dec 1975

041622 412.628 N812
Cleansing of wastewater from the feed preparation area for fur-bearing animals [Pollution]. (Nor) Nordal, J *Nor Pelsdyrbl* 49 (8): 326-329. Aug 15, 1975

041623 44.8 N752
Dry filtering systems for bacteriologically sound powder recovery [Air pollution from manufacture of dried milk]. (Mul) Zuidervaart, H *Nord Mejeritidsskr* 41 (6): 206-214. 1975

041624 44.8 N752
Recovery and re-use of butter cooling water [Pollution control]. (Mul) Hansen, R *Nord Mejeritidsskr* 41 (7): 254-261. 1975

041625 157.8 R29
Pesticide concentrations and yields in runoff and sediment from a Mississippi Delta watershed. Willis, G H; McDowell, L L; Parr, J F; Murphree, C E *PB U S Natl Tech Inf Serv* 245100: 3-53-3-64. 1976

QK564.P58
Possible effect of lower phosphorus concentrations on the phytoplankton in Onondaga Lake, New York, U.s.a. [Pollution]. Sze, P *Phycologia* 14 (4): 197-204. Ref. Dec 1975

450 P5622
Absorption and metabolism of CrO4 [chromate anion] by isolated chloroplasts [of spinach]. Desmet, G; Ruyter, A de; Ringoet, A *Phytochemistry* 14 (12): 2585-2588. Ref. Dec 1975

57.8 P34
Entrance of 90 Sr [strontium isotope] into meadow grasses from different soils of the Nonchernozemic zone [Radioactive contamination]. (Rus) Korneev, N A; Firsakova, S K; Malysheva, M R *Pochvovedenie* 11: 53-59. Nov 1975

57.8 P34
Prognosis of cesium 137 [isotope] migration in soils [Radioactive contamination]. (Rus) Prokhorov, V M *Pochvovedenie* 11: 60-67. Ref. Nov 1975

57.8 P34
Soil chemistry and accumulation by roots of artificial radionuclides in crop yields [Radioactive contamination]. (Rus) Arkhipov, N P; Fedorov, E A; Aleksakhin, R M; Bondar', P F; Kozhevnikova, T L; Suslova, V V *Pochvovedenie* 11: 40-52. Ref. Eng. Sum. Nov 1975

57.8 P34
Some problems of chemistry of natural and artificial radionuclides in soils and their accumulation by crops [Radioactive contamination]. (Rus) Aleksakhin, R M *Pochvovedenie* 11: 32-39. Ref. Eng. Sum. Nov 1975

56.9 SO3
Reclamation of soils contaminated with radioactive strontium. Lagerwerff, J V; Kemper, W D *Proc Soil Sci Soc Am* 39 (6): 1077-1080. Ref. Nov/Dec 1975

041626 281.9 B87
The bacterial bed, a technique for deodorizing semi-liquid manure. (Fre) Vasseur, J; Monroco, H *Prod Agric Fr* 51 (179): 23-25. Nov 1, 1975

041627 381 IN25
Cationic surface-active agent as bactericide [Wastewater treatment]. Wang, L K; Pek, S L *Prod R D* 14 (4): 308-312. Ref. Dec 1975

041628 381 IN25
Sulfide oxidation: sulfox system of pollution control. Rosenwald, R H; Hamblin, R J J; Urban, P; Zimmerman, R P *Prod R D* 14 (4): 218-226. Dec 1975

041629 TD420.A1P7
A system for rapid identification of organic water pollutants. McGuire, J M *Prog Water Technol* 7 (2): 23-31. Ref. 1975

041630 TD420.A1P7
Bifidobacterium as an indicator of faecal pollution in water. Evison, L M; James, A *Prog Water Technol* 7 (2): 57-66. 1975

041631 TD420.A1P7
Denitrification of sewage by alternating process operation. Christensen, M H *Prog Water Technol* 7 (2): 339-347. Ref. 1975

041632 TD420.A1P7
Design guidelines for septic tank sludge treatment and disposal. Jewell, W J; Howley, J B; Perrin, D R *Prog Water Technol* 7 (2): 191-205. Ref. 1975

041633 TD420.A1P7
Economic and technical considerations in the establishment of industrial effluent guidelines in the United States. Eckenfelder, W W; Roth, J A; Edwards, A W *Prog Water Technol* 7 (2): 111-119. 1975

041634 TD420.A1P7
Engineering aspects of the coagulation of colloidal particles in natural waters. Eppler, B; Neis, U; Hahn, H H *Prog Water Technol* 7 (2): 207-216. Ref. 1975

041635 TD420.A1P7
Factors affecting the performance of combined versus separate sewer systems. Lindholm, O G *Prog Water Technol* 7 (2): 265-276. 1975

041636 TD420.A1P7
Inventory of the degree of surface water pollution in France. LeFrou, C; Bremond, R *Prog Water Technol* 7 (2): 93-97. 1975

041637 TD420.A1P7
Kinetics of a fixed media activated sludge system. Choi, E; Burkhead, C E *Prog Water Technol* 7 (2): 251-263. Ref. 1975

041638 TD420.A1P7
Neuilly-sur-Marne sewage works sludge treatment station. Coyaud, M D; Chardon, M G *Prog Water Technol* 7 (2): 217-223. 1975

041639 TD420.A1P7
Nitrogen removal by biological denitrification. Bailey, D A; Thomas, E V *Prog Water Technol* 7 (2): 329-338. 1975

041640 TD420.A1P7
Overall estimation of organic micropollution: development of and investigation into an electrochemical method. Hauden, D; Richard, Y *Prog Water Technol* 7 (2): 41-55. 1975

041641 TD420.A1P7
Role of photosynthetic bacteria in foul water purification. Kobayashi, M *Prog Water Technol* 7 (2): 309-315. 1975

041642 TD420.A1P7
Separation and gravity thickening in secondary sedimentation tanks [Sludge]. Konicek, Z; Handova, Z; Pardus, I *Prog Water Technol* 7 (2): 149-160. Ref. 1975

041643 TD420.A1P7
Sequential substrate removal in activated sludge systems fed with naturally occurring wastewater. Chian, E S K; DeWalle, F B *Prog Water Technol* 7 (2): 235-241. Ref. 1975

041644 TD420.A1P7
Sludge drying and incineration. Larger, D *Prog Water Technol* 7 (2): 161-172. 1975

041645 TD420.A1P7
Some administrative aspects of establishing a pollution control organization in a developing country. Ngunya, E A *Prog Water Technol* 7 (2): 83-91. Ref. 1975

041646 TD420.A1P7
Some effects of sludge characteristics on dissolved air flotation. Wood, R F; Dick, R I *Prog Water Technol* 7 (2): 173-182. 1975

041647 TD420.A1P7
Standardized test method using protozoa for measuring water pollutant toxicity. Dive, D; Leclerc, H *Prog Water Technol* 7 (2): 67-72. Ref. 1975

041648 TD420.A1P7
The effects of the ABS [alkyl benzen sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, domestic animals and plants. Lopez-Zavala, A; Aluja, A S de; Elias L, B; Manjarrez, L; Buchmann, A; Mercado, L; Caltenco, S *Prog Water Technol* 7 (2): 73-82. 1975

041649 TD420.A1P7
The use of respirometric methods for assessing the biodegradability of different components of agricultural wastes. Hissett, R; Evans, M R; Baines, S *Prog Water Technol* 7 (2): 13-21. 1975

041650 275.29 M68EXT
Recreation guide: fishing, camping, services, hunting [in] Lauderdale, Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. Chapin, B; Blackwell, D; Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 937, 24 P. Map. Nov 1975

041651 TD201.N6
Capacity of water-based recreation systems. III. Methodology and fndings. Cordell, H K; Hammon, G A; Graham, J; Hafley, W L; Warren, M R *Rep Water Resour Res Inst Univ N C* 90, 109 P. Maps. Sept 1975

041652 S543.V5V5
Effect of anaerobic swine lagoons on ground water quality. Ciravolo, T G; Hallock, D L; Thomas, H R; Collins, E R Jr; Martens, D C; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 208-211. July 1975

041653 S543.V5V5
Effects of swine lagoon effluent disposal on soil-plant-runoff quality. Collins, E R Jr; Martens, D C; Kornegay, E T *Res Div Rep Va Polytech Inst & State Univ Res Div* 163: 216-220. July 1975

389.9 R314
Pesticides in air: sampling methods [Pollution]. Van Dyk, L P; Visweswariah, K *Residue Rev* 55: 91-134. Ref. 1975

041654 TP659.R4
The point on recovery of materials [Recycling of waste materials]. (Fre) *Rev Embouteillage Indus Cond Trait Distrib Transp* 154: 33-35. Oct 1975

041655 307.8 OL3
Environmental [pollution] aspects of fatty acid distillation. Stage, H *Riv Ital Sost Grasse* 52 (9): 291-298. Ref. Sept 1975

041656 470 SCI2
National parks: the dilemma of development. *Science* 191 (4226): 440-444. Ref. Feb 6, 1976

041657 470 SCI2
Photochemical air pollution: transport from the New York City area into Connecticut and Massachusetts. Cleveland, W S; Kleiner, B; McRae, J E; Warner, J L *Science* 191 (4223): 179-181. Map. Ref. Jan 16, 1976

041658 S95.E23
Environmental and economic impact of nutrient management on the New York dairy farm [Agricultural pollution]. Coote, D R; Haith, D A; Zwerman, P J; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 5 (5): 28 P. Map. Ref. 1975

041659 1.6 SO3S
A fishing trip 'hooks' into conservation. Rayburn, R D; Ridenour, W J; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 20-22. Dec 1975

041660 1.6 SO3S
A youth project with a big heart [Conservation]. Menard, D; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 4-5. Jan 1975

041661 1.6 SO3S
Floating islands for waterfowl in Arizona. Fager, L F; York, J C; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 4-5. Dec 1975

041662 1.6 SO3S
Outdoors study multiplies in Mobile [Environmental education]. Gillespie, M; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 16-17. Jan 1975

041663 1.6 SO3S
Student guides in Vermont lead natural resource studies. Prescott, L J; Towne, R M; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 8-9. Jan 1975

041664 1.6 SO3S
Trailblazing in Tennessee for outdoor teaching. Eldridge, J H; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 18-19. Dec 1975

041665 410 B395
A guide to natural history field localities in Jamaica. Peck, S B; Kukalova-Peck, J *Stud Neotrop Fauna* 10 (1): 105-116. June 1975

041666 99.8 SY52
Analytical chemistry in the service of environmental protection. (Pol) Kulesza, J *Sylwan* 119 (4): 73-76. Apr 1975

99.8 SY52
Remarks concerning forest experiments and research in industrial regions [Air pollution]. (Pol) Schnaider, Z *Sylwan* 119 (7): 75-78. July 1975

041667 99.8 SY52
The Bieszczady National Park. (Pol) Szymanski, B; Tym, Z *Sylwan* 119 (9): 25-36. Map. Ref. Eng. Sum. Sept 1975

99.8 SY52
Usefulness of [poplar] cuttings in the biological management of coal mine dumps [Afforestation]. (Pol) Harabin, Z; Strzyszcz, Z *Sylwan* 119 (9): 73-79. Sept 1975

041668 275.249 G81
Environment preservation and protection of natural marshlands through the development of pisci-culture. (Gre) Ananiades, K I *Synchronos Georgia* 4: 97-103. July/Aug 1975

041669 302.8 T162
Current status of paper reprocessing effluent characteristics and disposal practices [Water pollution]. Gove, G W; McKeown, J J *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 121-126. Nov 1975

041670 302.8 T162
The status of water pollution control in the Soviet Union [Pulp and paper production]. Amberg, H R; Gellman, I; Scott, R H *Tappi (Tech Assoc Pulp Paper Ind)* 58 (11): 59-67. Maps. Nov 1975

041671 ASD11.A46
Forest residues in hemlock-spruce [Tsuga-Picea] forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. Ruth, R H; Harris, A S; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric* 39, 52 P. Map. Ref. 1975

041672 424.8 C33
Environment and extension of green cover [Natural resources, honey plants]. (Cze) Rohacek, A *Vcelarstvi* 28 (10): 221-222. Oct 1975

041673 105.9 L65V
Effect of mineral fertilizers on surface and drainage water [Pollution]. (Ger) Janik, V; Klaghofer, E *Veroeff Landwirtsch Chem Bundesversuchsanst* 10: 147-180. Maps. Ref. 1975

41.8 V6426
Protection of the air basin of large livestock farms and poultry factories [Control of infectious diseases and of air pollution]. (Rus) Volkov, G K; Silenok, L F; Kazura, P P *Veterinariia (Mosk)* 9: 32-36. Sept 1975

041674 56.8 W28
Areas worthy of protection in the Rhine Valley. (Ger) Solmsdorf, A; Solmsdorf, H *Wasser & Boden* 27 (8): 198-199. Aug 1975

041675 56.8 W28
Industrial waste waters in rural districts [Brewing and canning wastes]. (Ger) Meixner, G; Lindenmaier, M; Sixt, K *Wasser & Boden* 27 (11): 279-381. Nov 1975

041676 56.8 W28
Protection of the waters in North Rhine-Westphalia from radioactive pollution. (Ger) Patze, D *Wasser & Boden* 27 (11): 288-291. Map. Nov 1975

041677 56.8 W28
Snythesis of trickling filter and activated sludge processes [Water purification]. (Ger) Engelbart, F *Wasser & Boden* 27 (11): 292-294. Nov 1975

041678 56.8 W28
Technology and water purification in the sugar industry. (Ger) Kollatsch, D *Wasser & Boden* 27 (11): 285-288. Ref. Nov 1975

041679 56.8 W28
The environmental statistics law [Water and soil pollution]. (Ger) Czychowski, M *Wasser & Boden* 27 (1): 1-3. Jan 1975

041680 TD420.W3
Identification of volatile organic contaminants in Washington, D.c. municipal water. Saunders, R A; Blachly, C H; Kovacina, T A; Lamontagne, R A; Swinnerton, J W; Saalfeld, F E *Water Res* 9 (12): 1143-1145. Ref. Dec 1975

041681 TD420.W3
Self-purification capacity of impoundments [Water quality, algae]. Straskrabova, V *Water Res* 9 (12): 1171-1177. Ref. Dec 1975

041682 1 AG84Y
Ecology: never having to say you're sorry [Environmental protection]. Taiganides, E P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 323-328. 1975

041683 384 Z39
Mushrooms as indicators of mercury emissions in the vicinity of a chlor-alkali plant. (Ger) Rauter, W *Z Lebensm Unters Forsch* 159 (3): 149-151. Eng. Sum. 1975

464.8 Z3
Bioassays in weed research [Herbicides, pollution]. (Ger) Neururer, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 316-328. Ref. Eng. Sum. 1975

464.8 Z3
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of spruce [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). (Ger) Thalenhorst, W *Z Pflanzenkr Pflanzenschutz* 81 (12): 717-727. Map. Eng. Sum. 1974

464.8 Z3
Limitations in the use of herbicides—the protection of wild flora and fauna [Netherlands]. (Ger) Zonderwijk, P *Z Pflanzenkr Pflanzenschutz* 82 (5): 271-285. Ref. Eng. Sum. 1975

464.8 Z3
Plant management in aquatic systems [Herbicides, water pollution]. (Ger) Johannes, H *Z Pflanzenkr Pflanzenschutz* 82 (5): 286-302. Ref. Eng. Sum. 1975

041684 20.5 Z5
Effect of the drop of ground water level on soil and vegetation properties in the area adjacent to the electric power plant "Lower Oder". (Pol) Greinert, H; Lyduch, L; Niedzwiecki, E; Zablocki, Z *Zesz Probl Postepow Nauk Roln* 169: 134-152. Eng. Sum. 1975

041685 TS1950.Z6
Precleaning of wastewater in meat industry plants by means of the "Hydrasieve" equipment. (Cze) Blanka, R *Zpr Masneho Prum CSSR* 2: 31-36. Eng. Sum. 1975

USDA PUBLICATIONS

Agric Econ Rep Econ Res Serv U S Dep Agric

A281.9 AG8A

Butter and cheese: sales changes associated with three levels of promotion [Marketing]. Henderson, P L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 322, 33 P. Jan 1976

A281.9 AG8A

Population change in nonmetropolitan cities and towns [Rural sociology]. Fuguitt, G V; Beale, C L; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 323, 16 P. Ref. Feb 1976

Agric Econ Res

1 EC7AGR

Cost of unemployment insurance for farmworkers in selected states. Elterich, J; Bieker, R; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 85-92. Ref. July/Oct 1975

1 EC7AGR

Economic research in the Department of Agriculture: a historical perspective. Baker, G L; Rasmussen, W D; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 53-72. Ref. July/Oct 1975

1 EC7AGR

Optimum plant size and location: a case for separable programming [Cost anaysis, spatial markets in agricultural economics]. Baritelle, J L; Holland, D W; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 73-84. Ref. July-/Oct 1975

1 EC7AGR

Using the automatic interaction detection (AID) model to obtain homogeneous classifications of farmland [real estate] markets. Clifton, I D; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 93-100. Ref. July/Oct 1975

1 EC7AGR

What do successive frequency distributions show? [Statistical methods]. Mighell, R L; U.S. Dept. of Agriculture Economic Research Service *Agric Econ Res* 27 (3/4): 101-104. July/Oct 1975

Agric Handb U S Dep Agric

1 AG84AH

Aerial application of agricultural chemicals. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 287, Rev., 25 P. Feb 1976

1 AG84AH

Professional workers in state agricultural experiment stations and other cooperating state institution, 1975-76. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 305, Rev., 211 P. Map. Jan 1976

1 AG84AH

USDA [grade] standards for food and farm products. U.S. Dept. of Agriculture *Agric Handb U S Dep Agric* 341, 15 P. Nov 1974

Agric Libr Inf Notes

AZ733.N3A54

Agricultural research information support at Kentucky State University. O'Rourke, J R; National Agricultural Library *Agric Libr Inf Notes* 1 (4): 1-2. Apr 1975

AZ733.N3A54

Bibliographic control of USDA—owned [agricultural] library materials. Waters, S T; National Agricultural Library *Agric Libr Inf Notes* 1 (6/7): 1-3. June/July 1975

AZ733.N3A54

Bibliographical control of horticultural catalogs. Farley, R A; National Agricultural Library *Agric Libr Inf Notes* 1 (3): 1-2. Mar 1975

AZ733.N3A54

CAIN [Cataloging and Indexing] on-line at the University of Wisconsin [Forestry literature indexing coverage]. Oyler, D; National Agricultural Library *Agric Libr Inf Notes* 1 (1): 1-2. Jan 1975

AZ733.N3A54

CAIN-on-line [Catalog and Indexing] services at the University of Arizona [Agricultural computer systems]. Leadenham, D J; National Agricultural Library *Agric Libr Inf Notes* 1 (6/7): 1. June/July 1975

AZ733.N3A54

Regional document delivery via [agricultural] land-grant libraries in 1974. Olsen, W C; National Agricultural Library *Agric Libr Inf Notes* 1 (2): 1-2. Feb 1975

AZ733.N3A54

The library exchange project of the US-USSR agricultural agreement. Tontarski, T; National Agricultural Library *Agric Libr Inf Notes* 1 (5): 1-2. May 1975

AZ733.N3A54

[Agricultural] information networks: technology, input and output mechanisms. Farley, R A; National Agricultural Library *Agric Libr Inf Notes* 1 (5): 3-5. May 1975

Agric Res

1.98 AG84

Curbing boll weevil [Anthonomus grandis] egg hatch [Cotton]. U.S. Agricultural Research Service *Agric Res* 24 (5): 7. Nov 1975

1.98 AG84

Insects [Empoasca devastans, Empoasca kerri motti] and plant hosts [Castor, cotton]. U.S. Agricultural Research Service *Agric Res* 24 (5): 14. Nov 1975

1.98 AG84

New links in the selenium cycle [Livestock feed]. U.S. Agricultural Research Service *Agric Res* 24 (5): 6-7. Nov 1975

1.98 AG84

Roadside harvest [of crested wheatgrass for low-cost forage]. U.S. Agricultural Research Service *Agric Res* 24 (5): 13. Nov 1975

1.98 AG84

Sex attractant curbs gypsy moth [Porthetria dispar, forest trees]. U.S. Agricultural Research Service *Agric Res* 24 (5): 8-11. Nov 1975

1.98 AG84

Sorghums that resist greenbugs [Schizaphis graminum]. U.S. Agricultural Research Service *Agric Res* 24 (5): 12. Nov 1975

1.98 AG84

Toward sturdier stalks [Breeding maize for lodging resistance]. U.S. Agricultural Research Service *Agric Res* 24 (5): 3-5. Nov 1975

AMS U S Dep Agric Agric Mark Serv

A280.39 M34AM

Available publications of USDA's Agricultural Marketing Service [Bibliographies]. U.S. Agricultural Marketing Service *AMS U S Dep Agric Agric Mark Serv* 546, Slightly Rev., 13 P. Sept 1974

APHIS-91 U S Anim Plant Health Insp Serv

ASF601.A1U5

National [livestock] tick [Ixodides] surveillance program, calendar year 1974. U.S. Animal and Plant Health Inspection Service *APHIS-91 U S Anim Plant Health Insp Serv* 28, 17 P. Maps. Sept 1975

ARS-NC U S Agric Res Serv North Cent Reg

AS21.A75U44

Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in hard red winter wheat. Somsen, H W; Oppenlander, K L; U.S. Agricultural Research Service North Central Region *ARS-NC U S Agric Res Serv North Cent Reg* 34, 7 P. Maps. Ref. Dec 1975

AS21.A75U44

Runoff and soil losses from Barnes soils in the northwestern Corn Belt [Erosion]. Mutchler, C K; Burwell, R E; Staples, L C; U.S. Agricultural Research Service North Central Region *ARS-NC U S Agric Res Serv North Cent Reg* 36, 16 P. Jan 1976

ARS-NE U S Agric Res Serv Northeast Reg

AS21.A75U45

Advanced mechanization operations for grocery warehouses; an evaluation and projection. Runyan, J L; Nyquist, A E; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 70, 54 P. Ref. Jan 1976

AS21.A75U45

Eggshell damage and master container costs of two shell egg marketing systems. Lederer, B E; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 69, 20 P. Jan 1976

AS21.A75U45

New wheat cultivars and longevity of rust resistance, 1971-75 [Fungus diseases]. Kilpatrick, R A; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 64, 20 P. Sept 1975

AS21.A75U45

USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. Dickinson, F N; Norman, H D; King, G J; Powell, R L; U.S. Agricultural Research Service Northeastern Region *ARS-NE U S Agric Res Serv Northeast Reg* 24-2, 331 P. 1975

ARS-S U S Agric Res Serv South Reg

AS21.A75U53

A durable flame-retardant finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. Donaldson, D J; Normand, F L; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 45-46. Dec 1975

AS21.A75U53

A radial-strain tester for measuring stress-strain behavior of low-modules textiles [Cotton]. Hassenboehler, C B Jr; Nelson, M L; Weiss, L C; Taggart, T; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 2-5. Dec 1975

AS21.A75U53

An effective ammonia reactor for the continuous production of fire-retardant cotton fabrics. Perkins, R M; Calamari, T A; Moore, H B; Schreiber, S P; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 52-65. Dec 1975

AS21.A75U53

Cane sugar and silicon compounds. Clarke, M A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 66-75. Ref. Dec 1975

AS21.A75U53

Carbohydrate changes in invert syrups [in sugarcane sugar manufacture]. Velasco, V S; Dowling, J F; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 138-154. Dec 1975

AS21.A75U53

Chloride control in the refinery [Processing sugarcane]. Brown, C R; Pommez, P; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 76-92. Dec 1975

AS21.A75U53

Colorant formation under refining conditions [Sugarcane sugar]. Carpenter, F G; Roberts, E J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 106-115. Dec 1975

AS21.A75U53

Composition of acid beverage floc [Processing sugarcane]. Roberts, E J; Carpenter, F G; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 39-50. Ref. Dec 1975

AS21.A75U53

Deitz and Carpenter reviewed [Processing sugarcane]. Hanson, K R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 1-12. Ref. Dec 1975

AS21.A75U53

Dimensional changes in peanut pods, kernels, and hulls as moisture is removed during drying. Slay, W O; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 81, 8 P. Jan 1976

AS21.A75U53

Easily creasable DP [durable-press] cotton fabrics. Franklin, W E; Madacsi, J P; Rowland, S P; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 38-44. Ref. Dec 1975

AS21.A75U53

Effect of carding variables and cotton-polyester blends on carding efficiency and processing performance. Simpson, J; Fiori, L A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 17-18. Dec 1975

AS21.A75U53

Effect of drawing and roving processing variables and cotton/polyester blends on roving quality [Textiles]. Louis, G L; Fiori, L A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 19-20. Dec 1975

AS21.A75U53

Effect of phosphate constituents on the sugar refining process. Chou, C C; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 29-38. Dec 1975

AS21.A75U53

Effects of milk on fire-retardant cotton fabric. Bullock, A L; Carter, M E; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 15-16. Dec 1975

AS21.A75U53

Electron diffraction study of cellulose [Cotton]. Hebert, J J; Muller, L L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 1. Dec 1975

AS21.A75U53

Electron microscopy of flame-resistant fabrics [Cotton]. Goynes, W R; Boylston, E K; Muller, L L; Trask, B J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 79-80. Dec 1975

AS21.A75U53

Fiber and yarn data on sixty-two research cotton samples. Lawson, R comp; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 55, 43 P. Ref. Dec 1975

AS21.A75U53

Flame-retardant cotton and synthetic fabric blends. St Mard, H H; Hamalainen, C; Cooper, A S Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 13-14. Dec 1975

AS21.A75U53

Fluorescence measurements and pH [hydrogen-ion concentration] sensitivity as predictors of color removal in process [Sugarcane sugar]. Charles, D F; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 93-105. Dec 1975

AS21.A75U53

Forces exerted on ties of compress universal density cotton bales. Anthony, W S; McCaskill, O L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 82, 8 P. Jan 1976

AS21.A75U53

Improving thermal and electrical conductivity of cotton fabrics by chemical plating. Thibodeaux, D; Baril, A Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 23-24. Dec 1975

AS21.A75U53

Individualizing cotton fiber by "spiral" carding. Brown, R S; Rhodes, P L; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 21-22. Dec 1975

AS21.A75U53

Meeting the mattress flammability standard with treated cotton batting. Neumeyer, J P; Koenig, P A; Knoepfler, N B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 70-78. Dec 1975

AS21.A75U53

Migration of finishing agent in tubular processing of knitted cotton fabrics. Andrews, B A K; Frick, J G Jr; Gautreaux, G A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 36-37. Dec 1975

AS21.A75U53

New mineral dyes for cotton fabrics. Conner, C J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 10. Dec 1975

AS21.A75U53

New or unusual approaches to flameproofing [Cotton, textiles]. Frank, A W; Gonzales, E J; Margavio, M F; Vail, S L; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 47-48. Dec 1975

AS21.A75U53

Optimum conditions for determining individual minor constituents in cane sugar by gas-liquid chromatography [Analysis]. Godshall, M A; Roberts, E J; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 51-65. Ref. Dec 1975

AS21.A75U53

Oxyluminescent behavior of flame-retardant cottons. Pittman, R A; Heinzelman, D C; Tripp, V W; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 68-69. Dec 1975

AS21.A75U53

Photofinishing for cotton textiles. Arthur, J C Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 6-7. Dec 1975

AS21.A75U53

Potentials of organic solvents in finishing of cottons. Soignet, D M; Berni, R J; Pilkington, M W; Benerito, R R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 8-9. Dec 1975

AS21.A75U53

Proceedings of the 13th cotton utilization research conference, New Orleans, Louisiana, May 14-16, 1973 [Flameproofing fabrics, processing]. U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64, 80 P. Ref. Dec 1975

AS21.A75U53

Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, Cherry Hill, New Jersey, October 20-22, 1974. Clarke, M A ed; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88, 154 P. Ref. Dec 1975

AS21.A75U53

Processing facilities and program for research on cotton knits. Kingsbery, E C; Ruppenicker, G F Jr; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 25. Dec 1975

AS21.A75U53

Shrinkage control of durable-press cotton knits. Verburg, G B; Frick, J G Jr; Reid, J D; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 35. Dec 1975

AS21.A75U53

Some moisture properties of high-percentage cotton blends [Textiles]. Harper, R J Jr; Bruno, J S; Blanchard, E J; Gautreaux, G A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 11-12. Dec 1975

AS21.A75U53

Starch: its occurrence, importance, and removal in sugar manufacture. Alexander, J B; Matic, M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 13-28. Ref. Dec 1975

AS21.A75U53

Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(-hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. Weiss, L C; Andrews, F R; Hassenboehler, C B; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 66-67. Dec 1975

AS21.A75U53

Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. Dilday, R H; Shaver, T N; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 80, 7 P. Ref. Jan 1976

AS21.A75U53

The effects of dyes on the flame retardancy of cotton fabric. Segal, L; Timpa, J D; Drake, G L Jr; Reeves, W A; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 49-51. Dec 1975

AS21.A75U53

The taper and its relation to the physical properties of cotton fibers. Seshan, K N; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 64: 26-34. Dec 1975

AS21.A75U53

Time series data analysis and synthesis for research watersheds [Mathematical models]. Snyder, W M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 76, 33 P. Jan 1976

AS21.A75U53

Trace constituents in molasses [Heavy metal contaminants and organochlorine pesticide residues]. Morriss, A C; Nicol, W M; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 116-124. Dec 1975

AS21.A75U53

Use of differential pulse anodic stripping for trace elements in sugar products. Pommez, P; Cormier, R; U.S. Agricultural Research Service Southern Region *ARS-S U S Agric Res Serv South Reg* 88: 125-137. Dec 1975

ASCS Background Inf BI (Agric Stab Conserv Serv)

A284.9 ST1

Emergency conservation measures [Programs]. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf BI (Agric Stab Conserv Serv)* 9, 1 P. Dec 1975

A284.9 ST1

Farmer committee administration of agricultural programs. U.S. Agricultural Stabilization and Conservation Service *ASCS Background Inf BI (Agric Stab Conserv Serv)* 6, 3 P. Dec 1975

Equip Tips

ASD388.A1E8

New safety fuse igniter [Forest equipment]. U.S. Forest Service Equipment Development Center *Equip Tips* 1 P. Jan 1976

ERS Foreign Reg Anal Div Econ Serv U S Dep Agric

A281.9 AG83

Basic agricultural resources of Kenya [Development, statistics]. Singleton, C B Jr; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign Reg Anal Div Econ Serv U S Dep Agric* 346, 77 P. Maps. Ref. July 1974

A281.9 AG83

Demand for soybean meal in Denmark. Cohen, M H; U.S. Dept. of Agriculture Economic Research Service *ERS Foreign Reg Anal Div Econ Serv U S Dep Agric* 368, 36 P. Map. Ref. Oct 1974

ERS U S Dep Agric Econ Res Serv

A281.9 AG83E

The new politics of food. Schertz, L P; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 619, 14 P. Nov 1975

A281.9 AG83E

U.S. Soybean economy in the 1980's [Forecast]. Kromer, G W; U.S. Dept. of Agriculture Economic Research Service *ERS U S Dep Agric Econ Res Serv* 518: 16-23. Apr 1973

Farmers Bull U S Dep Agric

1 AG84F

Grasshopper control [Orthoptera, economic plants]. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2193, Rev., 10 P. Oct 1975

1 AG84F

Roofing farm buildings. U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2170, Slightly Rev., 28 P. June 1975

1 AG84F

Using phenoxy herbicides effectively. Klingman, D L; Shaw, W C; U.S. Dept. of Agriculture *Farmers Bull U S Dep Agric* 2183, Slightly Rev., 25 P. Oct 1975

FATUS (Foreign Agric Trade U S)

A286.9 AG8

Ocean shipping highlights in grain trade [Statistics]. Reinsel, E I; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 38-45. Jan 1976

A286.9 AG8

Selected prices of international significance [Agriculturalcommodities]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 46-50. Jan 1976

A286.9 AG8

U.S. Agricultural export shares by states, fisal 1975 [Statistics]. Breedlove, S E; Stanton, L E; U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 5-15. Jan 1976

A286.9 AG8

U.S. Agricultural imports from 50 major countries, fiscal years 1970-75 [Statistics]. U.S. Dept. of Agriculture Economic Research Service *FATUS (Foreign Agric Trade U S)* P. 16-37. Jan 1976

FCS Inf U S Dep Agric Farmer Coop Serv

A280.29 F22I

Using cooperative members' money. Kirkman, C J Jr; U.S. Farmer Cooperative Service *FCS Inf U S Dep Agric Farmer Coop Serv* 79, Rev., 15 P. Nov 1975

For Serv Res Pap WO U S Dep Agric

A99.9 F76US

Genetics of Virginia pine [Pinus virginiana]. Kellison, R C; Zobel, B J; U.S. Forest Service *For Serv Res Pap WO U S Dep Agric* 21, 10 P. Map. Ref. Dec 1974

Foreign Agric Circ, Cann Fruit FCAN (U S Dep Agric)

A281.3939 F76

Canned fruit: world production and trade statistics. U.S. Foreign Agricultural Service *Foreign Agric Circ, Cann Fruit FCAN (U S Dep Agric)* 6, 82 P. Nov 1975

Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv

1.943 F7633

Prospects for French corn production: an assessment [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv* 15-75, 6 P. Nov 12, 1975

1.943 F7633

World grain situation: outlook for 1975/76 [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv* 11 75, 13 P. Aug 19, 1975

Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)

1.943 F116

1975 meat production down 3 percent, world trade continues restricted [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)* 10-75, 9 P. Oct 1975

Foreign Agric Circ, Poult FPE (U S Dep Agric)

1.943 F113

World trade in eggs and poultry, 1973 and 1974 [Statistics]. U.S. Foreign Agricultural Service *Foreign Agric Circ, Poult FPE (U S Dep Agric)* 5-75, 8 P. Nov 1975

Foreign Agric Econ Rep U S Dep Agric Econ Res Serv

A281.9 AG8F

The agricultural situation in Africa and West Asia. Review of 1974 and outlook for 1975 [Statistics]. Marx, R E; Dunmore, J C; Kurtzig, M E; Parker, J B; Peed, M L; Skinner, S W; Steiner, H H; Treakle, H C; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 108, 61 P. Map. May 1975

A281.9 AG8F

The agricultural situation in Eastern Europe. Review of 1974 and outlook for 1975 [Statistics]. Chrisler, D; Lambert, M J; Vankai, T A; Miller, C; U.S. Dept. of Agriculture *Foreign Agric Econ Rep U S Dep Agric Econ Res Serv* 102, 23 P. Apr 1975

Foreign Agric U S Foreign Agric Serv

A281.9 F76FO

Adverse weather in Brazil cuts wheat crop estimate [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 5. Jan 26, 1976

A281.9 F76FO
Affluent Saudis increase imports of some U.S. Foods. Parker, J B Jr; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 2-4. Feb 9, 1976

A281.9 F76FO
Australian wool stocks still growing [Supply and demand]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 11. Jan 26, 1976

A281.9 F76FO
Bangladesh grain crops on uptrend, but imports heavy [Production]. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 14-15. Feb 9, 1976

A281.9 F76FO
Bulgaria seeks Western know-how to spur farming [Management]. Lambert, M J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 10-12. Feb 9, 1976

A281.9 F76FO
Bulgaria stresses grains, oilseeds [Production]. Lambert, M J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 12. Feb 9, 1976

A281.9 F76FO
Canada foresees 25 percent dip in farm income in 1976. Bray, C E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 8-9. Feb 2, 1976

A281.9 F76FO
Canada's oilseed crops rebound in 1975 [Production]. Riggs, D W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 8. Jan 26, 1976

A281.9 F76FO
Danish fishmeal exports off; oilseed needs may rise. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 5. Feb 9, 1976

A281.9 F76FO
Ecology fears boost Kenyan pyrethrum exports [Insecticides]. Rose, I; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 9-10. Jan 26, 1976

A281.9 F76FO
Malaysia's palm oil exports up. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 10. Jan 26, 1976

A281.9 F76FO
Morocco seeks larger export trade in textiles. Williams, D G; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 6-7. Feb 9, 1976

A281.9 F76FO
Rebound in world meat trade seen for 1976. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 2-4, 10. Feb 2, 1976

A281.9 F76FO
Record crops lift world rice supply, depress trade. Beeghly, W; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 2-4, 16. Jan 26, 1976

A281.9 F76FO
Rising energy costs imperil East Europe's import growth. Vankai, T A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 6-7, 16. Feb 2, 1976

A281.9 F76FO
Some broiler price declines noted in world food survey. DiCostanzo, S R; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 8-9. Feb 9, 1976

A281.9 F76FO
Soviet sugarbeet harvest below target [Production]. Bernstein, L A; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 5. Feb 9, 1976

A281.9 F76FO
United States imports more cut flowers. Wagley, H O; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5, I.e. 6): 16. Feb 9, 1976

A281.9 F76FO
USDA to continue monitoring all export sales contracts. Hokana, F E; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (4): 6-7, 11. Jan 26, 1976

A281.9 F76FO
USSR facing possible import payment pinch [Credit]. Goldich, J; U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 12. Feb 2, 1976

A281.9 F76FO
Venezuela to continue as grain importer in future. U.S. Foreign Agricultural Service *Foreign Agric U S Foreign Agric Serv* 14 (5): 5, 11. Feb 2, 1976

Home Econ Res Rep Agric Res Serv U S Dep Agric

A321.9 AG8
Homemakers' food and nutrition knowledge, practices, and opinions. Walker, M A; Hill, M M; U.S. Dept. of Agriculture *Home Econ Res Rep Agric Res Serv U S Dep Agric* 39, 16 P. Nov 1975

Home Gard Bull U S Dep Agric

1 AG84HG
Ants [Formicidae] in the home and garden; how to control them. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 28, Rev., 8 P. Oct 1975

1 AG84HG
Ants [Formicidae] in the home and garden: how to control them. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 28, Rev., 8 P. Oct 1975

1 AG84HG
Apples in appealing ways [Recipes]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 161, 16 P. 1969 (Pub. 1975)

1 AG84HG
Beekeeping for beginners. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 158, Slightly Rev., 12 P. Aug 1975

1 AG84HG
Clothing repairs [Sewing]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 107, 29 P. 1965 (Pub. 1975)

1 AG84HG
Growing Gardenias [Culture]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 152, Slightly Rev., 8 P. Oct 1975

1 AG84HG
Growing ground covers [Varieties]. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 175, 16 P. Map. 1975

1 AG84HG
How to make jellies, jams, and preserves at home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 56, Rev., 34 P. Dec 1975

1 AG84HG
Making Cottage cheese at home. U.S. Dept. of Agriculture *Home Gard Bull U S Dep Agric* 129, Rev., 9 P. Dec 1975

J Entomol Soc South Afr

420 EN86
Notes on the vine mealybug [Planococcus ficus] (Homoptera: nufacture]. Velasco, V S; Dowling, J F *J Entomol Soc South Afr* 88: 138-154. Sept 1975

Mark Res Rep U S Dep Agric

1 AG84MR
Methods and costs for the warehouse assembly of grocery orders for small stores [Wholesale marketing]. Bragg, E R; Runyan, J L; Bouma, J C; U.S. Dept. of Agriculture *Mark Res Rep U S Dep Agric* 1031, 21 P. Sept 1975

Misc Publ U S Dep Agric

1 AG84M
Developing the self-guiding trail in the National Forests. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 968, 18 P. 1964 (Pub. 1974)

1 AG84M
Trailer for cattle—gooseneck type. U.S. Dept. of Agriculture *Misc Publ U S Dep Agric* 1313, 2 P. July 1975

Natl Food Situation

1.941 S2F73
Food price movements and shifts in purchases. Manchester, A C; U.S. Dept. of Agriculture Economic Research Service *Natl Food Situation* 154: 33-34. Nov 1975

1.941 S2F73
Nutritional review [Food consumption]. Friend, B; Marston, R; U.S. Dept. of Agriculture Economic Research Service *Natl Food Situation* 154: 26-32. Nov 1975

Nutr Program News

1.982 A2N955
Metrication and the consumer [Food preparation]. Batcher, O M; U.S. Consumer and Food Economics Institute; U.S. Interagency Committee on Nutrition Education *Nutr Program News* 6 P. July/Aug 1975

PA U S Dep Agric

1 AG84PRO
Pollination and the honey bee. Westbrook, F E; Bergman, P W; Wearne, R A; U.S. Dept. of Agriculture *PA U S Dep Agric* 1112, 19 P. Map. Ref. Feb 1975

Poult Egg Situation

1.9 EC752F PES
The energy situation and outlook for the poultry and egg industries. Rogers, G B; Benson, V W; Van Dyne, D L; U.S. Dept. of Agriculture Economic Research Service *Poult Egg Situation* PES-288: 23-25. Dec 1975

Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)

A99.9 F7625UN
Timber resource statistics for the Copper River Inventory Unit, Alaska, 1968. Hegg, K M; U.S. Pacific Northwest Forest and Range Experiment Station *Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)* 62, 55 P. Maps. 1975

Soil Conserv

1.6 SO3S
A fishing trip 'hooks' into conservation. Rayburn, R D; Ridenour, W J; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 20-22. Dec 1975

1.6 SO3S
A 'snow' job for Utah youth [Soil conservation]. Miller, B J; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 12-13. Jan 1975

1.6 SO3S
A youth project with a big heart [Conservation]. Menard, D; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 4-5. Jan 1975

1.6 SO3S
Apples add up on protected hillside [Culture]. Jeter, F Jr; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 22. Jan 1975

1.6 SO3S
Conservation plant materials make good on 'moonscape' [Openpit mining, soil reclamation]. Badger, T W; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 6-7. Jan 1975

1.6 SO3S
Floating islands for waterfowl in Arizona. Fager, L F; York, J C; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 4-5. Dec 1975

1.6 SO3S
Garden at Hanalei [School]. Charles, P; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 8-9. Dec 1975

1.6 SO3S
Half a century of tree planting [Windbreaks, erosion, Edward Flanagan]. Lyng, O I; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 10-11. Jan 1975

1.6 SO3S
Kleingrass on the move in west central Texas [Varieties]. Adams, C R; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 21. Jan 1975

1.6 SO3S
Native grasses and wildflowers—low maintenance plants [Roadside beautification]. Alverson, K; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 18-20. Jan 1975

1.6 SO3S
New Upper Colorado [Environmental] Plant Center focuses on native plants for reclamation. Burdick, M D; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 6-7. Map. Dec 1975

1.6 SO3S
Our Little Paradise [Conservation education]. Zack, A; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 14-15. Jan 1975

1.6 SO3S
Outdoors study multiplies in Mobile [Environmental education]. Gillespie, M; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 16-17. Jan 1975

1.6 SO3S
Stabilizing [bauxite ore] stockpiles on the Texas coast [Erosion]. Cash, K L; Smith, T P II; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 16-17. Dec 1975

1.6 SO3S
Student guides in Vermont lead natural resource studies. Prescott, L J; Towne, R M; U.S. Soil Conservation Service *Soil Conserv* 41 (6): 8-9. Jan 1975

1.6 SO3S
Student trainees in SCS [Soil Conservation Service]. Wilder, M C; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 12-15. Dec 1975

1.6 SO3S
Texas research taps insects for brush and weed control [Biological control]. U.S. Soil Conservation Service *Soil Conserv* 41 (6): 11. Jan 1975

1.6 SO3S
Title X funds in Archuleta County [Colorado, soil conservation programs]. Hill, W L; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 11. Dec 1975

1.6 SO3S
Trailblazing in Tennessee for outdoor teaching. Eldridge, J H; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 18-19. Dec 1975

1.6 SO3S
[Soil] conservation blossoms on 'flower farm' [Erosion]. Westrate, W; U.S. Soil Conservation Service *Soil Conserv* 41 (5): 10. Dec 1975

Stat Bull U S Dep Agric

1 AG84ST
Wool statistics and related data, 1930-69. Frye, S M comp; U.S. Dept. of Agriculture *Stat Bull U S Dep Agric* 455 (Suppl.), 124 P. Jan 1976

Tech Bull Agric Res Serv U S Dep Agric

1 AG84TE
A laboratory evaluation of trash racks for drop inlets [to prevent plugging of closed-conduit spillways that release waer from floodwater-retarding resevoirs]. Hebaus, G G; Gwinn, W R; U.S. Dept. of Agriculture *Tech Bull Agric Res Serv U S Dep Agric* 1506, 70 P. Sept 1975

Tech Bull U S Dep Agric

1 AG84TE
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 revised model of watershed hydrology. A United States contribution to the International Hydrological Decade. Holtan, H N; Stiltner, G J; Henson, W H; Lopez, N C; U.S. Dept. of Agriculture *Tech Bull U S Dep Agric* 1518, 99 P. Maps. Ref. Dec 1975

Tech Release U S Soil Conserv Serv Eng Div

AS591.A222
Urban hydrology for small watersheds. U.S. Soil Conservation Service Engineering Division *Tech Release U S Soil Conserv Serv Eng Div* 55, 91 P. Maps. Ref. Jan 1975

U S Agric Res Serv West Reg ARS W

AS21.A75U5
Pupation sites of pink bollworms [Pectinophora gossypiella]: potential mortality resulting from cultivation of irrigated cotton. Fye, R E; Brewer, H L; U.S. Agricultural Research Service Western Region *U S Agric Res Serv West Reg ARS W* 32, 10 P. Dec 1975

U S D A For Serv Res Pap FPl

A99.9 F7634U
Bowing in roof joists induced by moisture gradients and slope of grain [Wood]. Tuomi, R L; Temple, D M; U.S. Forest Products Laboratory *U S D A For Serv Res Pap FPl* 262, 12 P. 1975

U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn

A99.9 F7623U
Stem and primary product weights for longleaf pine [Pinus palustris] sawtimber trees. Schroeder, J G; Taras, M A; Clark, A III; U.S. Southeastern Forest Experiment Station *U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn* 139, 15 P. Nov 1975

U S Dep Agric Econ Res Serv WMC

AHG3810.A2U5

World monetary conditions in relation to agricultural trade [Statistics]. Goolsby, O H; Manfredi, E M; U.S. Dept. of Agriculture Economic Research Service *U S Dep Agric Econ Res Serv WMC* 8, 31 P. May 1975

U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)

A99.9 F7632US

Modifications in the Malaise insect trap. Schroeder, M H; Mitchell, J C; Schmid, J M; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 299, 2 P. Sept 1975

A99.9 F7632US

Service life of treated and untreated Black Hills ponderosa pine fenceposts: a progress report. Markstrom, D C; Clark, D H; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 303, 4 P. Dec 1975

A99.9 F7632US

Sexing large aspen tortrix pupae [Choristoneura conflictana, Populus tremuloides]. Jennings, D T; Acciavatti, R E; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)* 298, 2 P. Sept 1975

U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)

A99.9 F7632U

A Southwestern mixed conifer plantation—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. Jones, J R; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 148, 8 P. Ref. July 1975

A99.9 F7632U

Ecology and management of Southwestern semidesert grass-shrub ranges: the status of our knowledge. Martin, S C; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 156, 39 P. Map. Ref. Nov 1975

A99.9 F7632U

Range management in the chaparral type and its ecological basis: the status of our knowledge. Cable, D R; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 155, 30 P. Map. Ref. Oct 1975

A99.9 F7632U

Range management in the central and southern Rocky Mountains: a summary of the state of our knowledge by range ecosystems. Paulsen, H A Jr; U.S. Rocky Mountain Forest and Range Experiment Station *U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)* 154, 34 P. Oct 1975

USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric

ASD11.A46

Forest residues in hemlock-spruce [Tsuga-Picea] forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. Ruth, R H; Harris, A S; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric* 39, 52 P. Map. Ref. 1975

ASD11.A46

Insect mycophagy: a preliminary bibliography [Fungi, insectvectors]. Fogel, R; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Exp Stn U S Dep Agric* 36, 21 P. Ref. 1975

USDA For Serv Gen Tech Rep NC North Cent For Exp Stn

ASD11.A352

Estimating aspen [Populus tremuloides] volume and weight for individual trees, diameter classes, or entire stands. Schlaegel, B E; U.S. North Central Forest Experiment Station *USDA For Serv Gen Tech Rep NC North Cent For Exp Stn* 20, 16 P. 1975

USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric

ASD11.A42

Manual of the rushes (Juncus spp.) of the Rocky Mountains and Colorado Basin. Hermann, F J; U.S. Rocky Mountain Forest and Range Experiment Station *USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric* 18, 107 P. Ref. Oct 1975

USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn

ASD433.A53

Modern gum naval stores methods. Clements, R W; U.S. Southeastern Forest Experiment Station *USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn* 7, 29 P. Dec 1974

USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)

A99.9 F7625U

Response of western larch [Larix occidentalis] to changes in stand density and structure. Seidel, K W; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)* 258, 11 P. Sept 1975

USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)

A99.9 F7623UN

Pulpwood prices in the Southeast, 1974. Bellamy, T R; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)* 228, 3 P. Nov 1975

USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)

A99.9 F7652

Ponderosa pine seeding trials in west-side Sierra Nevada clearcuts: some early results. Neal, R L Jr; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)* 305, 8 P. 1975

A99.9 F7652

Recording wind velocity direction, and temperature in [forest] fires by logarithmic technique. Palmer, T Y; U.S. Pacific Southwest Forest and Range Experiment Station *USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)* 304, 5 P. 1975

USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)

ASD11.A34

Effects of crown release and fertilizer on small saw log-sized yellow birch [Betula alleghaniensis]. Erdmann, G G; Godman, R M; Mattson, G A; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 119, 6 P. 1975

ASD11.A34

Specific conductance identifies perched and ground water lakes. Hawkinson, C F; Verry, E S; U.S. North Central Forest Experiment Station *USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)* 120, 5 P. Maps. 1975

USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)

A99.9 F7625UNI

Lumber recovery from large, highly defective, low grade coast Douglas-fir [Pseudotsuga menziesii]. Snellgrove, T A; Henley, J W; Plank, M E; U.S. Pacific Northwest Forest and Range Experiment Station *USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)* 197, 23 P. 1975

USDA For Serv Res Pap SE U S Southeast For Exp Stn

A99.9 F7623U

Biological potential for the loblolly pine [Pinus taeda] ecosystem east of the Mississippi River. Boyce, S G; McClure, J P; Sternitzke, H S; U.S. Southeastern Forest Experiment Station *USDA For Serv Res Pap SE U S Southeast For Exp Stn* 142, 27 P. Maps. Ref. Oct 1975

Yearb Agric (U S Dep Agric)

1 AG84Y

A fish [farming] story pans out, and world is better fed. Shell, E W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 149-156. 1975

1 AG84Y

A million gallons of water for a single acre of food [Irrigation]. Thorne, W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 237-248. 1975

1 AG84Y

Antibiotics curb [bacterial] diseases in livestock, boost growth. White-Stevens, R H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 85-98. 1975

1 AG84Y

Are we what we eat? Nutrition and health. Ritchey, S J; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 289-298. 1975

1 AG84Y

Beef—from trail drives to America's main course [Cattle, breeding]. Cundiff, L V; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 116-124. 1975

1 AG84Y

Better mushrooms, hops, tabasco, and even mink [Agricultural research]. Goss, G W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 329-336. 1975

1 AG84Y

Consumer's El Dorado amid swaying palms [Citrus, pests and diseases]. Krezdorn, A H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 169-180. 1975

1 AG84Y

Cooperatives and the stations, partners in progress. Schneider, V E; Stanton, B; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 299-310. 1975

1 AG84Y

Ecology: never having to say you're sorry [Environmental protection]. Taiganides, E P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 323-328. 1975

1 AG84Y

Experiment or starve: the early settlers [Agricultural history]. Rasmusen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 10-14. 1975

1 AG84Y

George Harrar sets off the Green Revolution [Rural development programs, Mexico]. Uribe, I; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 312-322. 1975

1 AG84Y

Golden beans from China now our no. 1 cash crop [Soybeans]. Howell, R W; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 225-236. 1975

1 AG84Y

Grass—the food factory that also fights drought. Moore, R A; Pates, J L; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 181-190. 1975

1 AG84Y

High altitude cooking, baking: some tips for the housewife. Lorenz, K; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 281-288. 1975

1 AG84Y

Home food preparation undergoes big changes. Porter, J M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 250-260. 1975

1 AG84Y

How chicken on Sunday became an anyday treat [Feeding, rearing]. Cook, R E; Bumgardner, H L; Shaklee, W E; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 125-132. 1975

1 AG84Y

If you enjoy eating, thank the machines! [Harvesting equipment]. Barnes, K K; Anderson, J H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 201-212. 1975

1 AG84Y

Jefferson, Washington and other farmers [Agricultural history]. Rasmussen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 15-22. 1975

1 AG84Y

Lincoln and the liberation of the man on the land [Legislative history]. Rasmussen, W D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 23-30. 1975

1 AG84Y

Lots of better things for home sweet home [Management]. Porter, J M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 261-266. 1975

1 AG84Y

Main Street pokes along while urban areas boom [Small towns and the rural areas]. Bohlen, J M; Powers, R C; Wallize, J A; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 55-64. 1975

1 AG84Y

Man-molded cereal—hybrid corn's story [Breeding]. Harpstead, D D; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 213-224. 1975

1 AG84Y

Move over, milky way—our cows are stars too [Dairy cattle]. Niedermeier, R P; Bohstedt, G; Baumann, C A; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 139-148. 1975

1 AG84Y

Natural enemies used to fight insect ravages [Biological control, Aphytis maculicornis, Bacillus thuringiensis]. Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 99-104. 1975

1 AG84Y

New sciences spring up to create food "miracles" [Processing, consumer preferences]. Mrak, E M; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 267-279. 1975

1 AG84Y

Plant [fungus] disease toll is cut with resistant varieties. Pound, G S; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 66-74. 1975

1 AG84Y

Redwoods [Sequoia sempervirens] to "popple" [Populus]—Aladdins in the forests. Kaufert, F H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 191-200. 1975

1 AG84Y

Research from soil to oil: Doing whatever is needed. Lovvorn, R L; Robertson, D V; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 31-40. Map. 1975

1 AG84Y

Streamlining the hog, an abused individual [Breeding for meat]. Steyn, R; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 133-138. 1975

1 AG84Y

Systematizing the tomato, or more punch for pizza [Varieties for processing, mechanization]. Lorenz, O A; Gagnon, M N; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 337-344. 1975

1 AG84Y

The fire brigade stops a raging corn epidemic [Blight, Helminthosporium maydis]. Horsfall, J G; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 105-114. 1975

1 AG84Y

The first two [state agricultural experiment] stations—Connecticut, California. Waggoner, P E; Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 2-8. 1975

1 AG84Y

The Great Depression: farm ills hit the cities [History]. Baker, G L; Murray, W G; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 47-54. 1975

1 AG84Y

The people—food [supply] race, and how to win it. Marks, J J; Fortmann, H R; Kendrick, J B; Wittwer, S H; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 345-350. 1975

1 AG84Y

The quiet revolution in the apple orchard. Larsen, R P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 158-168. 1975

1 AG84Y

The vets save our beef and milk, and the bacon [Veterinarians, livestock diseases, control]. Jensen, R; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 75-84. 1975

1 AG84Y

Vitamins are discovered by agricultural research. Vickery, H B; Gough, P; U.S. Dept. of Agriculture *Yearb Agric (U S Dep Agric)* P. 41-46. 1975

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Advance

100 W27A
After the first century [Agricultural Research Center, Washington State University]. Nielson, J; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 1. Fall 1975

100 W27A
Animal sciences improve living [Washington State University]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 12. Fall 1975

100 W27A
Another bean for Washington [Varietal research]. Day, T L; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 8-9. Fall 1975

100 W27A
Getting laughed at. They didn't believe [Dr. Axel L.] Melander when he reported insect resistance to chemical spray. Beckerman, S; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 4-5. Fall 1975

100 W27A
Let's feed people and animals [The place of animal productsin our diets]. Preston, R L; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 6-7, 11. Fall 1975

100 W27A
Recession brown stain [Cytosora disease of Pinus ponderosa]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 2-3. Fall 1975

100 W27A
What's for lunch? A look at school lunches [Programs]. Bowman, G A; Washington (State) Agricultural Experiment Station *Advance* 12 (3): 10-11. Fall 1975

AE Dep Agric Econ Rural Sociol Clemson Univ

281.9 C59
South Carolina cash receipts from farm marketings, 1973 revised and 1974 preliminary. Foster, R M comp; Addison, R L comp; South Carolina Agricultural Experiment Station *AE Dep Agric Econ Rural Sociol Clemson Univ* 385, 22 P. Maps. Sept 1975

AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign

281.9 IL62
Actual and potential use of the livestock futures market by Illinois producers. Leuthold, R M; Illinois Agricultural Experiment Station; Illinois University College of Agriculture Dept. of Agricultural Economics *AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign* 141, 29 P. Dec 1975

281.9 IL62
Landlord and tenant shares, 1974 [Farms, statistics]. Reiss, F J; Illinois Agricultural Experiment Station; Illinois University College of Agriculture Dept. of Agricultural Economics *AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign* 142, 29 P. Oct 1975

Ag Stat N D Crop Livest Rep Serv

2 N818A
North Dakota barley, corn, oats, rye historic estimates, 1955-1970 [Statistics]. *Ag Stat N D Crop Livest Rep Serv* 36, 66 P. Oct 1975

Arkansas Farm Res

100 AR42F
Fungi isolated from discolored asphalt roofing shingles. Tainter, F H; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 12. Sept/Oct 1975

100 AR42F
Performance of broilers during brooding at high densities. Harris, G C Jr; Nelson, G S; Musbah, M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 2. Sept/Oct 1975

100 AR42F
Recorded distribution of the face fly [Musca autunmalis] inArkansas in 1975 [Livestock]. Boyer, W P; Rouse, E P; Lancaster, J L Jr; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 4. Map. Sept-/Oct 1975

100 AR42F
Relative value of nutrients in dairy cattle forages. Cole, T A; Stallcup, O T; Daniels, L B; Rakes, J M; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 5. Sept/Oct 1975

100 AR42F
Resource models for production of apples, blackberries, and table grapes in northwest Arkansas [Costs]. Baldwin, J F; Price, C; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 3. Sept/Oct 1975

100 AR42F
The Northeast Branch Station [University of Arkansas, Agricultural Experiment station]. Taylor, M H; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 6-7. Sept/Oct 1975

100 AR42F
The Southeast Branch [Agricultural] Experiment Station [University of Arkansas]. Smith, K B; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 8-9. Sept/Oct 1975

100 AR42F
Transplanting versus direct-seeding of processing tomatoes for once-over harvest. Tompkins, D R; Williams, J W; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 11. Sept/Oct 1975

100 AR42F
Watermelon variety trials in Arkansas. Morelock, T E; Bowers, J L; Barber, D; Arkansas Agricultural Experiment Station *Arkansas Farm Res* 24 (5): 10. Sept/Oct 1975

Bull Agric Exp Stn Univ Del

100 D37S (1)
Employment in Delaware, 1954 to 1974 [Rural statistics]. Allred, D L; Delaware Agricultural Experiment Station *Bull Agric Exp Stn Univ Del* 416, 26 P. Nov 1975

Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville

100 F66S (1)
Factors influencing weaning performance in Florida BCIA [Beef Cattle Improvement Association] herds [Breeds]. Franke, D E; Pace, J E; Martojo, H; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 772, 10 P. Ref. May 1975

100 F66S (1)
Factors influencing growth and reproduction in Rambouillet and Florida native sheep. Loggins, P E; Franke, D E; Hurley, C G; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 773, 9 P. Ref. May 1975

100 F66S (1)
Rose response to nitrogen, phosphorus, and potassium fertilization rates in plastic mulch covered beds of find sand. Young, T W; Snyder, G H; Martin, F G; Hayslip, N C; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 771, 41 P. Ref. Apr 1975

100 F66S (1)
Soil testing as a guide to phosphorus fertilization of young pine plantations in the Coastal Plain. Ballard, R; Pritchett, W L; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 778, 22 P. Nov 1975

100 F66S (1)
Supplemental feeding of steers on everglades pasture. Effect on pasture and feedlot performance and economics of production [Income]. Pate, F M; Hayes, B W; Beardsley, D W; Greene, R E L; Palmer, A Z; Carpenter, J W; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 775, 17 P. May 1975

100 F66S (1)
The economics of water oriented outdoor recreation in the Kissimmee River Basin [Land use]. Gibbs, K C; Florida Agricultural Experiment Station *Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 769, 51 P. Map. Ref. May 1975

Bull S D State Univ Agric Exp Stn

100 SO82 (1)
Population change in South Dakota small towns: 1960-1970 [Rural sociology]. Goss, S G; Wagner, R T; Dimit, R M; South Dakota Agricultural Experiment Station *Bull S D State Univ Agric Exp Stn* 636, 27 P. Map. Dec 1975

100 SO82 (1)
South Dakota low income families and migration [Rural sociology]. Montoya, M; Wagner, R T; Dimit, R M; South Dakota Agricultural Experiment Station *Bull S D State Univ Agric Exp Stn* 637, 25 P. Maps. Dec 1975

Bull Tex Agric Exp Stn Coll Stn

100 T31S (1)
No till and seedbed production of small grains-ryegrass [Lolium] mixture for forage in east Texas [Cynodon dactylon]. Matocha, J E; Texas Agricultural Experiment Station *Bull Tex Agric Exp Stn Coll Stn* B-1155, 11 P. Aug 1975

100 T31S (1)
Weed control research in sugarbeets. Wiese, A F; Scott, P R; Lavake, D E; Winter, S R; Owen, D F; Texas Agricultural Experiment Station *Bull Tex Agric Exp Stn Coll Stn* 1158, 2 P. Nov 1975

Bull W Va Agric Exp Stn

100 W52 (1)
Rural land use in the Monongahela River Basin [West Virginia]. Akintola, J; Colyer, D; Weber, W; West Virginia Agricultural Experiment Station *Bull W Va Agric Exp Stn* 641, 39 P. Map. Aug 1975

Calif Agric

100 C12CAG
A comparison of two pruning methods on mature lemon trees. Burns, R M; Boswell, S B; Wear, S F; McCarty, C D; California Agricultural Experiment Station *Calif Agric* 29 (12): 16-17. Dec 1975

100 C12CAG
Chemical control of the sugarbeet cyst nematode [Heteroderaschachtii] in Imperial Valley. Kontaxis, D G; Thomason, I J; Yu, P; Smith, B; California Agricultural Experiment Station *Calif Agric* 29 (12): 6-7. Dec 1975

100 C12CAG
Comparative biochemistry of Antarctic proteins [Penguins and fish, potential utilization]. Feeney, R E; Osuga, D T; California Agricultural Experiment Station *Calif Agric* 29 (12): 1-5. Dec 1975

100 C12CAG
Evaluation of insecticides for control of Egyptian alfalfa weevil [Hypera brunneipennis]. McCalley, N F; Wang, D I; Reische, W C; California Agricultural Experiment Station *Calif Agric* 29 (9): 10-11. Sept 1975

100 C12CAG
Filth fly [Musca domestica] sources in decaying melon fields in southern California's low deserts [Spalangia, biological control]. Legner, E F; Olton, G S; California Agricultural Experiment Station *Calif Agric* 29 (12): 10-11. Dec 1975

100 C12CAG
Impact of air pollution on the growth of ponderosa pine [Pinus, injuries]. McBride, J R; Semion, V P; Miller, P R; California Agricultural Experiment Station *Calif Agric* 29 (12): 8-9. Dec 1975

100 C12CAG
Leafhoppers [Dalbulus maidis] on silage corn. Bushing, R W; Burton, V E; McCutcheon, O D; Etchegaray, H S; California Agricultural Experiment Station *Calif Agric* 29 (9): 11-12. Sept 1975

100 C12CAG
Multiple insemination of turkey hens. Ogasawara, F X; Schroeder, J P; Mercia, L S; California Agricultural Experiment Station *Calif Agric* 29 (12): 14-15. Dec 1975

100 C12CAG
Navel orangeworm control through early harvest [Insect pests of walnuts]. Olson, W H; Hendricks, L C; Sibbett, G S; Davis, C S; Ramos, D E; California Agricultural Experiment Station *Calif Agric* 29 (9): 3. Sept 1975

100 C12CAG
Prediction of the first harvesting date of Creole onions inthe Palo Verde Valley of California. Cheyney, C C; Paulson, K N; California Agricultural Experiment Station *Calif Agric* 29 (12): 12-13. Dec 1975

100 C12CAG
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. Lange, A H; Fischer, B B; Elmore, C L; Kempen, H M; Schlesselman, J; California Agricultural Experiment Station *Calif Agric* 29 (9): 6-7. Sept 1975

100 C12CAG
Sorghum midge [Contarinia sorghicola] pest management in the San Joaquin Valley. Summers, C G; Coviello, R L; Pendery, W E; Bushing, R W; California Agricultural Experiment Station *Calif Agric* 29 (9): 4-5. Sept 1975

100 C12CAG
University of California Signal barley [Varieties]. Worker, G F Jr; Schaller, C W; California Agricultural Experiment Station *Calif Agric* 29 (9): 13. Sept 1975

100 C12CAG
Watermelon rind necrosis [Erwinia, Bacillus] in Imperial Valley. Kontaxis, D G; Kurupas, T; California Agricultural Experiment Station *Calif Agric* 29 (9): 14-15. Sept 1975

100 C12CAG
Zinc deficiency in California rice. Mikkelson, D S; Brandon, D M; California Agricultural Experiment Station *Calif Agric* 29 (9): 8-9. Sept 1975

Circ Agric Exp Stn Auburn Univ

100 AL1S (2)
Management of Serala sericea (Lespedeza cuneata) for forage and seed [Varieties]. Hoveland, C S; McCormick, R F Jr; Anthony, W B; Glaze, F T; Alabama Agricultural Experiment Station *Circ Agric Exp Stn Auburn Univ* 222, 12 P. Oct 1975

Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville

100 F66CI
Florida 32 and Florida 56—two shrunken-2 (sh2) sweetcorn inbreds [Genetics]. Wolf, E A; Florida Agricultural Experiment Stations *Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* 235, 4 P. Dec 1975

100 F66CI
Reproductive behavior of Brahman cows. Peacock, F M; Kirk, W G; Koger, M; Warnick, A C; Florida Agricultural Experiment Stations *Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville* S-237, 5 P. Jan 1976

D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn

100 L935
Prices and price indexes for Louisiana farm products, 19711975. Fielder, L L Jr; Guy, S L; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 489, 16 P. June 1975

100 L935
Pricing water in Louisiana. Corty, F L; Ramgolam, R; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 487, 107 P. Map. Ref. June 1975

100 L935
The effect of output changes on [rural] income, employment and output in Assumption Parish. Klindt, T H; Robertson, D R; Guedry, L J; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 486, 32 P. Map. Ref. June 1975

100 L935
The property tax as a source of revenue to finance local public services in rural parishes of Louisiana. Corty, F L; Coulon, K J Jr; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 488, 52 P. Map. Ref. June 1975

100 L935
Wintergrazing beef cattle on Louisiana farms [Labor, management]. Schupp, A R; Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness *D A E Res Rep Dep Agric Econ Agribus La State Univ Agric Mech Coll Agric Exp Stn* 490, 26 P. June 1975

Highlights Agric Res

100 AL1H
A cost comparison of selected agricultural protein sources. Crawford, K W; Murphy, V L; McCoy, E W; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 11. Winter 1975

100 AL1H
Are your houseplants "bugged"? [Insect pests]. Williams, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 5. Winter 1975

100 AL1H
Choosing protein supplement for steer finishing rations. Harris, R R; Anthony, W B; Barrett, J E; McDaniel, N R; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 7. Winter 1975

100 AL1H
Intermittent light speeds broiler growth and improves efficiency [Chickens]. McDaniel, G R; Brewer, R N; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 9. Winter 1975

100 AL1H
Irrigation, nematicide boost fall rye production. Hoveland, C S; Rodriguez-Kabana, R; Starling, J G; Mims, R M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 6. Winter 1975

100 AL1H
Land use in Alabama. Yeager, J H; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 8. Winter 1975

100 AL1H
Leaching of N [nitrogen]—problem of cropping efficiency, not of pollution [Maize]. Scarsbrook, C E; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 3. Winter 1975

100 AL1H
Phosphorus fertilization aids stand establishment on poorlydraned Coastal Plains soils. Hyink, D; Carter, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 16. Winter 1975

100 AL1H
Relative changes in prices received by farmers and hourly earnings of employees of food marketing firms. White, M; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 12. Winter 1975

100 AL1H
Soil pH [hydrogen-ion concentration] affects weed growth, too. Buchanan, G A; Hoveland, C S; Harris, M C; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 13. Winter 1975

100 AL1H
Standard of excellence set by early [Alabama Agricultural Experiment] Station directors [History]. Roberson, R; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 4. Winter 1975

100 AL1H
Structure of an insect virus [Trichoplusia ni, Pseudoplusia includens, Autographa californica, biological control]. Gudauskas, R T; Harper, J D; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 15. Winter 1975

100 AL1H
Triticale as a grazing crop for yearling beef steers. Harris, R R; Hoveland, C S; Boseck, J K; Webster, W B; Alabama Agricultural Experiment Station *Highlights Agric Res* 22 (4): 10. Winter 1975

Ill Res

100 IL64
A new Illinois soybean beverage: tasty, smooth, nutritious, and economical. Wei, L S; Steinberg, M P; Nelson, A I; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 3-4. Fall 1975

100 IL64
A potential for fowlpox outbreaks [Virus diseases]. Tripathy, D N; Sells, D M; Hanson, L E; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 13. Fall 1975

100 IL64
A wild relative of the soybean. Of the nine currently knownspecies in the Glycine genus, the most unusual is Glycine falcata, a native of Australia. Hymowitz, T; Newell, C; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 18-19. Map. Fall 1975

100 IL64
Aging of bull spermatozoa during extended storage. Beil, R E; Graves, C N; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 16-17. Fall 1975

100 IL64
Controlling apple diseases without damaging fruit set. Ries, S M; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 14-15. Fall 1975

100 IL64
Drying lumber in the home freezer. Walters, C S; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 10-11. Fall 1975

100 IL64
How maure applications affect erosion and runoff. Gunther, R W; Lembke, W D; Mitchell, J K; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 11-12. Fall 1975

100 IL64
Professor Lehmann's "mile-line" put electricity on Illinois farms. Dahl, D T; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 6-7. Fall 1975

100 IL64
Relative costs of wall construction for underfloor manure-storage tanks [for a confinement swine unit]. Huhnke, R L; Curtis, J O; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 8-9. Fall 1975

100 IL64
Tassel trivia: little-known facts about corn. Johnson, R R; Lambert, R J; Illinois Agricultural Experiment Station *Ill Res* 17 (4): 5. Fall 1975

Lives Prod Day La State Univ Anim Sci Dep

43.9 L932
A new development for a potentially improved anaplasmosis [Anaplasma] vaccine [Beef cattle]. Dimopoullos, G T; Budden, J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 217-219. 1976

43.9 L932
A simplified technique for vasectomy of heat check boars [Surgery]. Godke, R A; Lambeth, V A; Kreider, J L; Root, R G; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 241-244. 1976

43.9 L932
A summary of the Louisiana boar testing program for 1975. Pontif, J E; Thrasher, D M; Nipper, W A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 245-246. 1976

43.9 L932
Acceptability of grass fed beef [Feeding, consumer preference]. Bidner, T D; Schupp, A R; McKnight, W F; Carpenter, J C Jr; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 38-46. 1976

43.9 L932
Coastal Bermuda [Cynodon dactylon] for grazing and hay production [Feeding beef cattle]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 174-176. 1976

43.9 L932
Comparative management programs for lamb production [Feeding]. Boulware, R F; Hembry, F G; Schilling, P E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 237-238. 1976

43.9 L932
Comparison of the digestibility of various sorghum grain varieties [Beef cattle]. White, T W; Reynolds, W L; Hembry, F G; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 181-184. 1976

43.9 L932
Comparisons of Chianina X Hereford and Chianina X Angus heifers [Beef cattle breeds]. Morrison, D G; Humes, P E; Godke, R A; Peterson, F J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 62-67. 1976

43.9 L932
Comparisons of exotic- and Brahman-sired crossbred calves for birth and weaning traits. Humes, P E; Moin, S B; Idris, I B; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 68-72. 1976

43.9 L932
Comparisons of ground and whole shelled corn, roughage supplements and potassium and cobalt additions in finishing beef steers. Bagley, C P; Hembry, F G; McCormick, M E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 190-194. 1976

43.9 L932
Continuous infusion of follicle stimulating hormone for follicular growth in embryo transfer heifers. Warren, W R; Bercovitz, A B; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 133-138. 1976

43.9 L932
Digestibility of finishing rations containing milled rice or corn [Beef cattle]. White, T W; Hembry, F G; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 210-211. 1976

43.9 L932
Economic forage production and utilization in Louisiana [Grazing management]. Monroe, W E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 31-34. 1976

43.9 L932
Economic implications of producing beef calves with various pasture management systems [Costs, returns]. Carpenter, J C Jr; Harris, H E; Feazel, J I; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 152-173. 1976

43.9 L932
Effect of age and sex on growth rate of beef cattle fed high roughage rations. Reynolds, W L; DeRouen, T M; Harpel, R A; White, T W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 206-209. 1976

43.9 L932
Effect of GnRH [gonadotropin releasing hormone] on estrus, ovulation and fertility in the mare. Kreider, J L; Cornwell, J C; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 230-232. 1976

43.9 L932
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and feedlot finishing programs [Beef cattle]. Hembry, F G; Bagley, C P; Wright, R F; Peterson, F J; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 195-197. 1976

43.9 L932
Effects of nutritional management systems on reproductive performance of dairy cross cows. Humes, P E; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 11-16. 1976

43.9 L932
Effects of pasture management systems and season of breeding on reproductive performance of beef cattle. Loyacano, A F; Pontif, J E; Nipper, W A; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 116-119. 1976

43.9 L932
Effects of vaccination of beef cattle for anaplasmosis [Anaplasma]. Loyacano, A F; Nipper, W A; Blakewood, B W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 215-216. 1976

43.9 L932
Embryo transplants from exotic breeds [of beef cattle]. Dunlap, S; Rundell, J W; Avery, D R Jr; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 143-146. 1976

43.9 L932
Estrus synchronization and fertility studies [in beef cattle] at Dean Lee Agricultural Center. Loyacano, A F; Nipper, W A; Pontif, J E; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 127-129. 1976

43.9 L932
Induction of estrus in mares after foal heat with prostaglandin-F2alpha. Cornwell, J C; Bercovitz, A B; Godke, R A; Kreider, J L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 225-229. 1976

43.9 L932
Induction of parturition in the mare with prostaglandin-F2alpha. Kreider, J L; Cornwell, J C; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 233-236. 1976

43.9 L932
Influence of length of feeding period, ration and breed on steer growth rate. Reynolds, W L; Davis, J H; Harpel, R A; Knox, J W; DeRouen, T M; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 198-205. 1976

43.9 L932
Influence of sex and percent Brahman [cattle] breeding on growth and carcass traits [Performance]. Bidner, T D; Icaza, E A; Boston, A C; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 103-108. 1976

43.9 L932
Management practices to improve reproductive performance with artificial insemination in beef cattle. Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 17-30. Ref. 1976

43.9 L932
Nutrient content and digestibility of permanent pasture [Beef cattle]. Rome, J M; Smart, L I; Coombs, D F; Perkins, J M; Hembry, F G; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 185-189. 1976

43.9 L932
Oxytocin following artificial insemination in crossbred heifers. Morrison, D G; Humes, P E; Peterson, F J; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 130-132. 1976

43.9 L932
Pasture management systems for improved calf production [Grazing]. Carpenter, J C Jr; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 35-37. 1976

43.9 L932
Preweaning maternal heterosis of backcross and three-breed cross beef dams [Cattle]. Boston, A C; Taylor, M; Icaza, E A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 87-98. 1976

43.9 L932
Productivity of straightbred, backcross and three-breed cross beef dams [Cattle]. Boston, A C; Taylor, M; Icaza, E A; McRae, T O; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 73-86. 1976

43.9 L932
Proposed on-the-farm testing program for swine [Breeding]. Scherer, C W; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 54-56. 1976

43.9 L932
Relationship between nutrition and heredity in swine and beef cattle. Lasley, J F; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 2-10. Ref. 1976

43.9 L932
Results of Louisiana's 1975 swine litter tests. Pontif, J E; Thrasher, D M; Bidner, T D; Nipper, W A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 239-240. 1976

43.9 L932
Superovulation and embryonic survival rates in beef cattle [Estrus]. Reynolds, W L; DeRouen, T M; Goodeaux, L L; White, T W; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 147-151. 1976

43.9 L932
The effect of steroid hormones on sexual behavior in beef heifers. Abdullah, R B; Lambeth, V A; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 120-126. 1976

43.9 L932
The influence of sodium acetate in rations for finishing beef cattle. White, T W; Hembry, F G; Reynolds, W L; Portune, L; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 212-214. 1976

43.9 L932
The proposed beef carcass quality grade changes. Sanders, M B; Bidner, T D; Boston, A C; Taylor, M S; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 99-102. 1976

43.9 L932
The relationship of muscle pH [hydrogen-ion concentration] and beef tenderness. Harrell, R A; Bidner, T D; Icaza, E A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 109-115. 1976

43.9 L932
The use of anthelmintics in rotational grazing coastal Bermudagrass [Cynodon dactylon] for maximum gains [Beef cattle]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 220-221. 1976

43.9 L932
The use of Rompun for surgical embryo transfer procedures in cattle [Sedatives]. Lambeth, V A; Root, R G; Bercovitz, A B; Kreider, J L; Godke, R A; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 139-142. 1976

43.9 L932
The value of crossbred boars in the commercial production of swine. Lasley, J F; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 47-53. 1976

43.9 L932
Views of a commercial hog producer. Stevens, S; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 57-60. 1976

43.9 L932
Year round grazing with a beef cow herd [Pasture management]. Knox, J W; Oakes, J Y; Louisiana Agricultural Experiment Station Animal Science Dept. *Lives Prod Day La State Univ Anim Sci Dep* 16: 177-180. 1976

Mejeribrugets Uge-Nyt

HD9275.D44D3
Much friendliness [Supply of butter to British market, New Zealand, Common Market]. (Dan) *Mejeribrugets Uge-Nyt* 34: 285. Sept 1, 1975

Minn Sci

100 M668
A soil scientist's view of eating meat [Fertilizers]. Adams, R S Jr; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 4-7. Fall 1975

100 M668
Air pollutants damage plants. Zarkin, D A; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 13-14. Fall 1975

100 M668
Plant attack by air pollution: Minnesota impacts [Injuries]. Krupa, S V; Minnesota Agricultural Experiment Station *Minn Sci* 31 (3): 8-12. Map. Fall 1975

MP Tex A M Univ Tex Agric Exp Stn

100 T31M
Vegetable gardening in containers [Culture]. Cotner, S; Texas Agricultural Experiment Station *MP Tex A M Univ Tex Agric Exp Stn* 1150, 13 P. Mar 1975

MP Univ Nebr Coll Agric Home Econ Agric Exp Stn

100 N27M
Nebraska agriculture: selected graphics [Statistical methods]. Stark, A L; Kendrick, J G; Nebraska Agricultural Experiment Station *MP Univ Nebr Coll Agric Home Econ Agric Exp Stn* 30, 23 P. Mar 1975

N D Farm Res

100 N813B
Classification and management of saline seeps in western North Dakota [Soil water]. Worcester, B K; Brun, L J; Doering, E J; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 3-7. Ref. Sept/Oct 1975

100 N813B
Control of the forest tent caterpillar [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, biological control]. Frye, R D; Ramse, D; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 19-22. Sept/Oct 1975

100 N813B
Evaluation of "piegon grass" screenings as a component of rations for growing-finishing pigs. Harrold, R L; Johnson, J N; Dinusson, W E; North Dakota Agricultural Experiment Station *N D Farm Res* 33 (1): 8-10. Sept/Oct 1975

Ohio Rep Res Dev Agric Home Econ Nat Resour

100 OH3S (3)
Chemical fly [Musca domestica] control in Ohio dairy barns. Treece, R E; Heller, P R; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 99. Nov/Dec 1975

100 OH3S (3)
Fall calving valuable for Ohio beef herds. Parker, C F; Van Keuren, R W; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 96-98. Nov/Dec 1975

100 OH3S (3)
Insect-tree relationships in the urban environment [Diseases, pests]. Nielsen, D G; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 100-102. Nov/Dec 1975

100 OH3S (3)
Minimum concentrate feeding for efficient milk production [Dairy cattle]. Hibbs, J W; Conrad, H R; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 91-94. Nov/Dec 1975

100 OH3S (3)
Plant protein materials incorporated in foods. Peng, A C; Ohio Agricultural Research and Development Center *Ohio Rep Res Dev Agric Home Econ Nat Resour* 60 (6): 94-95. Nov/Dec 1975

Outstate Test Circ Nebr Agric Exp Stn

100 N27O
Nebraska spring small grain variety tests, 1975. Dreier, A F; Schmidt, J W; Nelson, L A; Moomaw, R S; Nebraska Agricultural Experiment Station *Outstate Test Circ Nebr Agric Exp Stn* 169, 27 P. Map. Nov 1975

100 N27O
Nebraska varietal tests of fall-sown small grains, 1975. Dreier, A F; Schmidt, J W; Nelson, L A; Grabouski, P H; Nordquist, P T; Nebraska Agricultural Experiment Station *Outstate Test Circ Nebr Agric Exp Stn* 168, 30 P. Map. Oct 1975

Prog Rep Pa State Univ Agric Exp Stn

100 P381P
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: insecticides, petroleum distillates, and flaming. Hower, A A Jr; Pennsylvania Agricultural Experiment Station *Prog Rep Pa State Univ Agric Exp Stn* 351, 20 P. Ref. Oct 1975

100 P381P
Response of cool-season turfgrasses [Poa pratensis, Festuca rubra] to liquid applications of fertilizer. Waddington, D V; Turner, T R; Duich, J M; Pennsylvania Agricultural Experiment Station *Prog Rep Pa State Univ Agric Exp Stn* 350, 31 P. Ref. June 1975

Rep Dep Agric Econ Univ Nebr Coll Agric Home Econ Agric Exp Stn

281.9 N27
Estimated crop and livestock production costs, Nebraska; 1975. Bitney, L L; Henderson, P A; Retzlaff, R E J; Perry, R E; Miller, P E; Duey, D D; Nebraska Agricultural Experiment Station; Nebraska University College of Agriculture Dept. of Agricultural Economics *Rep Dep Agric Econ Univ Nebr Coll Agric Home Econ Agric Exp Stn* 63, 53 P. May 1975

Res Bull Agric Home Econ Exp Stn Iowa State Univ Sci Tech

100 IO9
Growing-degree units for corn in the North Central Region. Shaw, R H; Iowa Agriculture and Home Economics Experiment Station *Res Bull Agric Home Econ Exp Stn Iowa State Univ Sci Tech* 581: 793-808. Maps. Ref. Dec 1975

Res Bull Ohio Agric Res Dev Cent

100 OH3S (2)
Some conduct and performance aspects of food specials retailing: a Columbus market case study. Stout, T T; Doehler, R C; Ohio Agricultural Research and Development Center *Res Bull Ohio Agric Res Dev Cent* 1082, 19 P. Ref. Dec 1975

Res Bull Univ Ga Coll Agric Exp Stn

S51.E2
Herbicides for weed control during establishment of warm season turfgrasses. Johnson, B J; Georgia Experiment Stations *Res Bull Univ Ga Coll Agric Exp Stn* 177, 27 P. Oct 1975

S51.E2
Purple nutsedge [Cyperus rotundus] control and tolerance ofturfgrasses to herbicide treatments. Johnson, B J; Georgia Experiment Stations *Res Bull Univ Ga Coll Agric Exp Stn* 176, 29 P. Ref. Oct 1975

Res Circ Ohio Agric Res Dev Cent

100 OH3R
An annotated bibliography of the dark-sided cutworm, Euxoa messoria (Harris) [Horticultural plants]. Rings, R W; Baughman, B A; Arnold, F J; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 205, 50 P. Ref. Dec 1975

100 OH3R
Fee fishing lakes in Ohio [Recreation, directories]. Mountz, G L; Hackney, P A; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 208, 27 P. Nov 1975

100 OH3R
Laboratory and field evaluation of insecticides for control of periodical cicada [Magicicada septendecim, in orchards]. Forsythe, H Y Jr; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 211, 9 P. Dec 1975

100 OH3R
Mass sorting of mechanically harvested tomatoes. Gould, W A; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 209, 15 P. Dec 1975

100 OH3R
Ovipositional host plants of 17-year cicadas [Magicicada]. Forsythe, H Y Jr; Ohio Agricultural Research and Development Center *Res Circ Ohio Agric Res Dev Cent* 210, 19 P. Ref. Dec 1975

Res Rep Mich State Univ Agric Exp Stn

284.9 M58
Family-community resource linkage [Rural sociology]. Miller, B K; Schlater, J D; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 280, 12 P. Ref. Oct 1975

284.9 M58
Private land leasing for public recreation—snowmobiling in Michigan [Land use]. Manning, R E; Holecek, D F; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 282, 11 P. Maps. Ref. Nov 1975

284.9 M58
Visual symptoms, causes, and remedies of bad soil structure. Robertson, L S; Erickson, A E; Christenson, D R; Michigan Agricultural Experiment Station *Res Rep Mich State Univ Agric Exp Stn* 294, 8 P. Nov 1975

Res Rep P OSU Agric Exp Stn (Okla State Univ)

100 OK4M
A comparison of [the fertilizer] Osmocote 18-6-12 and 18-913 for use in containers [Juniperus chinensis, Ilex cornuta]. Whitcomb, C E; Goodale, T; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 40-41. Oct 1975

100 OK4M
A property tax model for Oklahoma. Drummond, H E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 730, 24 P. Map. Ref. Dec 1975

100 OK4M
Asexual propagation of hybrid [ornamental] elms [Ulmus pumila, Ulmus japonica]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 41-42. Oct 1975

100 OK4M
Container grown tree seedlings [Ornamental Quercus]. Hathaway, R D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 25-30. Oct 1975

100 OK4M
Controlling common Bermudagrass [Cynodon dactylon] in nonproduction areas [around nursery beds]. Hathaway, R D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 18-19. Oct 1975

100 OK4M
Controlling common Burmudagrass [Cynodon dactylon, around nursery beds] with hand-applied applications of [the herbicide] Roundup. Goodale, T; Hathaway, R D; Ward, J D; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 20-21. Oct 1975

100 OK4M
Correcting the chlorosis of pin oaks [Quercus palustris, iron deficiency diseases]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 13-15. Oct 1975

100 OK4M
Effects of Bermudagrass [Cynodon dactylon] competition on the establishment and growth of woody plants in the landscape. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 16. Oct 1975

100 OK4M
Effects of black plastic and mulches on growth and survival of landscape plants [Culture]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 11. Oct 1975

100 OK4M
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. Whitcomb, C E; Bean, R R; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 33-36. Oct 1975

100 OK4M
Effects of Probe on weed control in containers [Woody ornamentals]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 52-53. Oct 1975

100 OK4M
Effects of propagation container size on top and root development of tree seedlings [Cultivation of horticultural plants]. Davis, R E; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 21-24. Oct 1975

100 OK4M
Effects of pruning severity and frequency and fertilizer levels on growth and quality of Juniperus chinensis varieties 'Pfitzeriana' and 'Hetzi'. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 30-32. Oct 1975

100 OK4M
Effects of soil amendments and fertilizer on the establishment of silver maple (Acer saccharinum) in two soil types. Schulte, J R; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 7-10. Oct 1975

100 OK4M
Effects of sulfur on reducing the pH [hydrogen-ion concentration] of an alkaline soil. Remon, J; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 12-13. Oct 1975

100 OK4M
Effects of [the herbicide] Roundup on woody landscape plants [in controlling Cynodon dactylon]. Hathaway, R D; Ward, J D; Goodale, T; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 17-18. Oct 1975

100 OK4M
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. Glenn, R; Hogan, C; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 43-45. Oct 1975

100 OK4M
Evaluation of fungicides for the control of black spot [Diplicarpon rosae] of rose. Morrison, L S; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 54-55. Oct 1975

100 OK4M
Growing Nandina domestica from cuttings. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 47-48. Oct 1975

100 OK4M
Modification of soapberry (Sapindus drummondi) through chemicals [Plant regulators]. Goodale, T; Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 49. Oct 1975

100 OK4M
Nursery Research Field Day [Culture of ornamental plants]. Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724, 55 P. Oct 1975

100 OK4M
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of single superphosphate in two container sizes. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 37-38. Oct 1975

100 OK4M
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of micronutrient fertilizer in two container sizes. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 39-40. Oct 1975

100 OK4M
Rooting cuttings of Crimson Pygmy Barberry [Berberis thunbergi]. Davis, R E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 46-47. Oct 1975

100 OK4M
The introduction, growth and landscape performance of new plants for Oklahoma [Ornamental plant varieties]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 5-7. Oct 1975

100 OK4M
Weed control in containers [with the herbicides] Tolban, Ronstar and Devrinol [Woody ornamentals]. Whitcomb, C E; Oklahoma Agricultural Experiment Station *Res Rep P OSU Agric Exp Stn (Okla State Univ)* 724: 50-51. Oct 1975

Res Rep Univ Ga Coll Agric Exp Stn

S51.E22
Contribution of changes in yield to output and variability in trends for selected basic [field] crops. Purcell, J C; Elrod, J C; Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 216, 23 P. Nov 1975

S51.E22
Corn and grain sorghum performance tests, 1976 [Varieties, yields]. Jellum, M D ed; Harris, H B ed; Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 219, 52 P. Maps. Jan 1976

S51.E22
Field crops performance tests cotton-forage crops summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. Georgia Experiment Stations *Res Rep Univ Ga Coll Agric Exp Stn* 218, 45 P. Jan 1976

Res Rep Utah Agric Exp Stn

S1.U7
Economic and environmental impacts of sagebrush [Artemisia]control on Utah's rangelands—a review and analysis [Costs]. Nielsen, D B; Hinckley, S D; Utah Agricultural Experiment Station *Res Rep Utah Agric Exp Stn* 25, 27 P. Ref. Dec 1975

S D Farm Home Res

100 SO82S
Agricultural Experiment Station, South Dakota State University Brookings, South Dakota; 87th annual report. South Dakota Agricultural Experiment Station *S D Farm Home Res* 25 (4), 46 P. Ref. 1975

Search Agric

S95.E23
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. Matthysse, J G; Vreden, G van; Purnasiri, A; Jones, C J; Netherton, H R; McClain, D S; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 4 (11), 31 P. Ref. 1975

S95.E23
Environmental and economic impact of nutrient management on the New York dairy farm [Agricultural pollution]. Coote, D R; Haith, D A; Zwerman, P J; New York (State) Agricultural Experiment Station, Geneva *Search Agric* 5 (5): 28 P. Map. Ref. 1975

Spec Rep Agric Exp Stn Agric Fayetteville Arkansad

100 AR42SP
Resident and tourist perceptions of the Ozark Folk Center [Land use]. Tebbetts, D O; Arkansas Agricultural Experiment Station *Spec Rep Agric Exp Stn Agric Fayetteville Arkansad* 24, 33 P. Jan 1976

Spec Rep Oreg State Univ Agric Exp Stn

100 OR3M
A market potential for fresh vegetables. Groder, R H; Oregon Agricultural Experiment Station *Spec Rep Oreg State Univ Agric Exp Stn* 389, Rev., 21 P. Sept 1975

100 OR3M
Effect of soybean meal, extruded soybeans and ground, raw soybeans on the performance of White Leghorn layers. Arscott, G H; Oregon Agricultural Experiment Station *Spec Rep Oreg State Univ Agric Exp Stn* 448, 6 P. Ref. Dec 1975

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

A Coop Ext Programs Univ Wis

S544.3.W6W53

Dairy [cattle] herd improvement progress report 1975. Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2367, 19 P. Map. Oct 1975

S544.3.W6W53

Growing currants and gooseberries [Culture]. Klingbeil, G C; Koval, C F; Wade, E K; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 1960, 6 P. Oct 1975

S544.3.W6W53

Peas—insect and disease control. Wade, E K; Apple, J W; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2354, 4 P. Jan 1976

S544.3.W6W53

Peas—weed control. Doersch, R E; Harvey, R G; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2355, 4 P. Jan 1976

S544.3.W6W53

1975 Wisconsin soybean variety test. Oplinger, E S; Gritton, E T; Wisconsin University Cooperative Extension Programs *A Coop Ext Programs Univ Wis* 2476, 12 P. Jan 1976

Arbor Rev Minn Univ Agric Ext Serv

QK479.M5

Plants for fall color [Horticultural varieties]. Snyder, L C; Minnesota University Agricultural Extension Service *Arbor Rev Minn Univ Agric Ext Serv* 27, 2 P. 1975

Bull A Ariz Univ Coll Agric Ext Serv

275.29 AR42BU

Vegetable garden pests. Carruth, L A; Arizona University Cooperative Extension Service; Arizona Agricultural Experiment Station *Bull A Ariz Univ Coll Agric Ext Serv* 81, 11 P. 1975

Bull Conn Univ Coop Ext Serv

275.29 C76B

Compare the difference! [Sodium in the diet]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-163, 1 P. 1975

275.29 C76B

Helpful hints to cut down on sodium [Diet]. Connecticut University Cooperative Extension Service *Bull Conn Univ Coop Ext Serv* 75-164, 2 P. 1975

Circ N C Agric Ext Serv

275.29 N811

Labor efficiency in poultry processng plants. Brooks, R C; Kennett, H S; North Carolina State University Agricultural Extension Service *Circ N C Agric Ext Serv* 606, 14 P. Sept 1975

Dairy Tales

SF221.D33

Dairy outlook for 1976. Jacobson, R E; California University, Berkeley Agricultural Extension Service *Dairy Tales* 6 (1), 5 P. Jan 1976

Econ Rep ER Minn Univ Dep Agric Appl Econ

HD1775.M5M5

1974 annual report of the Southwestern Minnesota Farm Management Association [Costs, returns]. Miller, B B; Otis, J B; Nodland, T R; Minnesota University Agricultural Extension Service; Minnesota University Dept. of Agricultural and Applied Economics; Minnesota Agricultural Experiment Station *Econ Rep ER Minn Univ Dep Agric Appl Econ* 75-3, 26 P. May 1975

HD1775.M5M5

1974 annual report of the Southeastern Minnesota Farm Management Association [Costs, returns]. Otis, J B; Miller, B B; Nodland, T R; Minnesota University Agricultural Extension Service; Minnesota University Dept. of Agricultural and Applied Economics; Minnesota Agricultural Experiment Station *Econ Rep ER Minn Univ Dep Agric Appl Econ* 75-2, 25 P. May 1975

Ext Circ Oreg State Univ Ext Serv

275.29 OR32C

Controlling green peach aphids [Myzus persicae] on potatoes. Robinson, R R; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 860, 3 P. Jan 1976

275.29 OR32C

Controlling wireworms [Elateridae] in potatoes. Robinson, R R; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 861, 3 P. Jan 1976

Ext Fol Agric Ext Serv Univ Minn

275.29 M66EX

Housing costs in the mid-seventies [Property taxes]. Angell, W J; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 315, 15 P. Ref. 1975

275.29 M66EX

Interpreting forage test results [Dairy cattle]. Strand, O E; Minnesota University Agricultural Extension Service *Ext Fol Agric Ext Serv Univ Minn* 297, Rev., 4 P. 1975

Ext Leafl L Ohio State Univ Ext Serv

275.29 OH32EL

Mini-production of maple syrup [Acer saccharum]. Cowen, W F Jr; Gould, W A; Ohio State University Cooperative Extension Service *Ext Leafl L Ohio State Univ Ext Serv* 233, 8 P. Feb 1975

Fact Sheet Coop Ext Serv Univ Md

275.29 M36FA

A calf per cow per year [Breeding]. Holdaway, P K; Maryland University Cooperative Extension Service *Fact Sheet Coop Ext Serv Univ Md* 193, 4 P. 1976?

Flower Nursery Rep Commer Grow Coop Ext Univ Calif

SB1.A1F5

Bud opening and overnight conditioning of Gypsophila 'Bristol Fairy' [Plant regulators]. Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 2-6. Nov/Dec 1975

SB1.A1F5

Control of garden centipede [Scutigerella immaculata] on greenhouse spray Chrysanthemums; progress report. Bivins, J L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 1-2. Nov/Dec 1975

SB1.A1F5

Control of lesser-seeded bittercress [Cardamine oligosperma] in container-grown ornamentals; progress report. Elmore, C L; Farnham, D S; Hanson, D L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 11-14. July/Aug 1975

SB1.A1F5

Heat exchange through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for off-season flowering of chrysanthemums]. Doss, R P; Byrne, T G; Kretchun, T M; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 9-10. Nov/Dec 1975

SB1.A1F5

Kalanchoe blossfeldiana 'Tetra Vulcan': suggestions for growing as a pot plant. Doss, R P; Byrne, T G; Kretchun, T M; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 7-8. Nov/Dec 1975

SB1.A1F5

Marguerite daisy [Bellis] weed control trial; progress report. Hanson, D L; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 1-2. July/Aug 1975

SB1.A1F5

Oxalis [corniculata] control in Gerbera [jamesonii]; progress report. Pyeatt, L E; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 9-11. July/Aug 1975

SB1.A1F5

Weed control and effect of four preemergence herbicides in transplanted Shasta daisy [Chrysanthemum maximum]; progress report. Elmore, C L; Besemer, S T; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 3-4. July/Aug 1975

SB1.A1F5

Weed control and phytotoxicity of herbicides in Dutch Iris; progress report. Besemer, S T; Elmore, C L; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 8-9. July/Aug 1975

SB1.A1F5

Weed control in German statice [Limonium tataricum]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 4-5. July/Aug 1975

SB1.A1F5

Weed control in Gypsophila [paniculata]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 6. July/Aug 1975

SB1.A1F5

Weed control in heather [Erica persoluta]; progress report. Agamalian, H S; Elmore, C L; Farnham, D S; California University, Berkeley Agricultural Extension Service *Flower Nursery Rep Commer Grow Coop Ext Univ Calif* P. 7. July/Aug 1975

Foldr N C Agric Ext Serv

275.29 N811EX

Fruit and vegetable [shipping] container guide. Proctor, E A; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 288, Rev., 4 P. July 1975

275.29 N811EX

Take a closer look: now there are two quality levels of certified seed. Sullivan, G A; North Carolina State University Agricultural Extension Service *Foldr N C Agric Ext Serv* 327, 6 P. Sept 1975

Hortic Dig Dep Hortic Univ Hawaii

SB403.H6

Dwarf Brassaia [arboricola] stock block [Costs, returns]. Rauch, F D; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 4-5. Sept 1974

SB403.H6

Increasing trunk caliper by heading back laterals [Lagerstroemia speciosa, culture]. Criley, R A; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 1. Sept 1974

SB403.H6

Panax [Polyscias] propagation. Fukuda, S; Rauch, F D; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 26: 2. Sept 1974

SB403.H6

Rhododendrons in Hawaii [Varieties]. Criley, R A; Parvin, P E; Hawaii University Cooperative Extension Service; Hawaii University Dept. of Horticulture *Hortic Dig Dep Hortic Univ Hawaii* 25: 1-2. Aug 1975

Interdep Publ ID Univ Ky Coop Ext Serv

S544.3.K4K42

Planning dairy calf housing. Duncan, G A; Turner, G M; Nicolai, J H; LaBore, D E; Kentucky University Cooperative Extension Service *Interdep Publ ID Univ Ky Coop Ext Serv* 15, 7 P. Mar 1975

Leafl Coop Ext Serv Univ Ga Coll Agric

275.29 G29L

Growing muscadine grapes at home. Ferree, M E; Georgia University Cooperative Extension Service *Leafl Coop Ext Serv Univ Ga Coll Agric* 225, 8 P. Apr 1975

PM Coop Ext Serv Iowa State Univ

275.29 IO9PA

Safe operation of agricultural equipment. Siletto, T A; Hull, D O; Herman, J C ed; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 646, 107 P. Oct 1975

275.29 IO9PA

Zucchini squash [Recipes]. Olson, P; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Coop Ext Serv Iowa State Univ* 664, 2 P. Dec 1975

PM Iowa State Univ Sci Technol Ames Coop Ext Serv

275.29 IO9PA

Bluegrass billbugs [Sphenophorus parvulus] and their control. Stockdale, H; DeWitt, J R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 667, 1 P. Jan 1976

275.29 IO9PA

Christmas tree production in Iowa [Silviculture]. Wray, P H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 661, 5 P. Dec 1975

275.29 IO9PA

Corn rootworms [Diabrotica longicornis, Diabrotica virgifera, Diabrotica undecimpunctata howardi] and their control. Stockdale, H J; DeWitt, J R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 670, 3 P. Jan 1976

275.29 IO9PA

Directory of Christmas tree producers in Iowa. Maynard, C; Wray, H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 668, 9 P. Map. Dec 1975

275.29 IO9PA

Directory of Iowa nurseries that deal in forest tree stock. Maynard, C A; Wray, P H; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 669, 6 P. Map. 1976?

275.29 IO9PA

Home grounds planning worksheet [Landscaping]. Olson, J E; Herman, J C; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 612, 6 P. Dec 1975

275.29 IO9PA

Outdoor recreation in southeastern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640g, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in southwestern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640h, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in central Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640f, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in east central Iowa: 1970 and 1975 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640e, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in northwestern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640d, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in north central Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640c, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in northeastern Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640b, 4 P. Map. Nov 1975

275.29 IO9PA

Outdoor recreation in Iowa: 1970 and 1985 [Land use, statistics]. Yoesting, D R; Beardsley, W G; Hickman, R; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 640a, 4 P. Map. Nov 1975

275.29 IO9PA

The second half of your life (planning for retirement) [Nutrition, home management]. Banyas, J comp; Iowa State University of Science and Technology, Ames Cooperative Extension Service *PM Iowa State Univ Sci Technol Ames Coop Ext Serv* 656, 55 P. Nov 1975

PNW Bull (Pac Northwest Coop Ext)

275.29 W27PN

Choosing and using western vegetables [Recipes]. Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 45, Rev., 17 P. Jan 1976

275.29 W27PN

Food facts versus fads. Meakin, E; Wilson, E; Forest, J; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 59, Rev., 20 P. July 1975

275.29 W27PN

Propagating deciduous and evergreen shrubs, trees, and vines with stem cuttings. Larsen, F E; Guse, W E; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 152, 11 P. Dec 1975

275.29 W27PN

1976 Pacific Northwest agricultural situation and outlook. Groder, R H; Harrington, A H; Sargent, R L; Adams, H P; Blanch, G E; Fischer, C M; Gardner, H E; Garren, R; Goetze, N R; Et Al; Oregon Agricultural College Extension Service; Idaho University Cooperative Extension Service; Washington (State) State College Dept. of Extension *PNW Bull (Pac Northwest Coop Ext)* 161, 21 P. Jan 1976

Publ Ext Serv Miss State Univ Coop U S Dep Agric

275.29 M68EXT

A career for you in agricultural and extension education. Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 927, 10 P. 1975?

275.29 M68EXT

Forest products buyers and sellers guide [Directories]. Parker, R C; Tissue, O C Jr; Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 909, 131 P. July 1975

275.29 M68EXT

Recreation guide: fishing, camping, services, hunting [in] Lauderdale, Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. Chapin, B; Blackwell, D; Mississippi State University Cooperative Extension Service; U..s Dept. of Agriculture *Publ Ext Serv Miss State Univ Coop U S Dep Agric* 937, 24 P. Map. Nov 1975

FAO PUBLICATIONS

AGRICULTURAL ADMINISTRATION AND MANAGEMENT

389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Applications for membership in the organization [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/39, 10 P. Oct 1975

389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Relations and consultations with international organizations. Review of the recommendations of the Special Session of the UN [United Nations] General Assembly devoted to development and international economic cooperation. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/31, 8 P. Oct 1975

389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Appointment of Independent Chairman of the Council [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/46, 6 P. Sept 1975

389.9 F735CONC
Eighteenth session, Rome, 8-27 November 1975. Relations with international organizations (excluding United Nations and Specialized Agencies) [Management of world agriculture]. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/34, 7 P. Sept 1975

389.9 F735RC
Report of the Council of FAO; sixty-seventh session, Rome, 3-7 November 1975 [Management of world agriculture]. Food and Agriculture Organization of the United Nations Council *Counc Food Agric Organ U N CL* 67/REP. 85 P. 1975

389.9 F735RC
Report of the Council of FAO; sixty-eighth session, Rome, 27-28 November 1975 [Management of world agriculture]. Food and Agriculture Organization of the United Nations Council *Counc Food Agric Organ U N CL* 68/REP. 30 P. 1975

AGRICULTURAL PRODUCTION DISTRIBUTION

389.9 F7354CO
Committee on Commodity Problems, fiftieth session; Rome, 13-24 October 1975. Recent developments in the world agricultural commodity situation and outlook [Marketing]. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/7, 6 P. Oct 1975

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/3, 4 P. Nov 1975

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/4, 5 P. Dec 1975

389.9 F735CC
Committee on Commodity Problems Consultative Sub-committee on Surplus Disposal. Summary record, 216th meeting, 13 January 1976, 10:00 a.m. Food and Agriculture Organization of the United Nations *CCP/CSD/SR Food Agric Organ U N* 216, 12 P. Jan 28, 1976

STATISTICAL DATA AND METHODOLOGY

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. (Fre) Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* JU 76/2, 17 P. Jan 1976

OUTLOOK, POLICIES, PROGRAMS AND LEGISLATION

389.9 F7354CO
Committee on Commodity Problems. Report of the ninth session of the Intergovernmental Group on Hard Fibres; Rome, 30 June-4 July 1975 [Situation studies]. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* 75/16, 24 P. 1975

389.9 F735CONC
Eighteenth session, Rome, 2-27 November 1975. World Food Programme: financial report and statements 1974, III. Food and Agriculture Organization of the United Nations *Conf Food Agric Organ U N* C 75/9, 28 P. Aug 1975

CONSUMER PROTECTION

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* HF 76/5, 8 P. Dec 1975

389.9 F7354CO
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. Food and Agriculture Organization of the United Nations Committee on Commodity Problems *CCP F A O* HF 76/6, 16 P. Dec 1975

28 F73
Pesticide residues in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. Food and Agriculture Organization of the United Nations *FAO Agric Stud* 97, 37 P. 1975

PLANT FUNGUS DISEASES AND CONTROL

421 P692
Leaf spot of tomato caused by Sclerotium rolfsii [Nigeria]. Erinle, I D; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 50-51. Apr 1975

421 P692
Sheath rot [Acrocylindrium oryzae] of rice [India]. Subramanian, C L; Ramakrishnam, G; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 49. Apr 1975

421 P692
Smut [Ustilago scitaminea] on sugar-cane. Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 49. Apr 1975

PLANT VIRUS DISEASES AND CONTROL

421 P692
Studies with cowpea aphid-borne mosaic virus and its effect on cowpea in Iran [Vectors]. Kaiser, W J; Mossahebi, G H; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 33-39. Ref. Apr 1975

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

421 P692
Lime-induced iron chlorosis in groundnut: treatment and prevention [Deficiency diseases, peanuts]. Hartzook, A; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 40-42. Apr 1975

WEEDS AND HERBICIDES

421 P692
Control of broomrape [Orobanche crenata] in broadbean and pea. Piglionica, V; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 46-48. Apr 1975

INSECT PESTS AND CONTROL—GENERAL AND MISCELLANEOUS PLANTS

421 P692
Laboratory studies with antifeeding compounds against larvae of Ascotis selenaria reciprocaria on coffee. Abasa, R O; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 43-45. Apr 1975

421 P692
Peokilocerus pictus in the Punjab [Calotropis procera]. Ghouri, A S K; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 52-53. Apr 1975

INSECT PESTS AND CONTROL—HORTICULTURAL CROPS

421 P692
A cossid [Xyleutes punctifer] attacking citrus and other fruit trees [West Indies]. Sommeijer, M J; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 53-54. Apr 1975

421 P692
Egyptian cotton leafworm [Spodoptera littoralis] on tomato [Pakistan]. Ahmed, H; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2): 51-52. Apr 1975

INSECT PESTS AND CONTROL—PRODUCTS

421 P692
Pest infestation [Coleoptera, Lepidoptera] in stored mushroom. Srinath, D; Gill, J S; Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests *Plant Prot Bull (Rome)* 23 (2); 49-50. Apr 1975

TRANSLATED PUBLICATIONS

HUMAN NUTRITION

QH345.A1P73
A new natural metabolite of vitamin A. Dmitrovskii, A A; Solov'eva, N V; Ermilova, L K *Appl Biochem Microbiol* 10 (3): 291-297. Ref. May/June 1974 Transl 1975

QH345.A1P73
Disturbances of the methionine metabolism in the presence of vitamin B12 deficiency in animals [Rats]. Areshkina, L YA; Skorobogatova, E P; Snegireva, L V *Appl Biochem Microbiol* 10 (3): 298-303. Ref. May/June 1974 Transl 1975

AGRICULTURAL PRODUCTS—GENERAL

QH345.A1P73
Effect of ultrasonic waves on the biological properties of bakers' yeast [Saccharomyces cerevisiae]. Ermachenko, V A; Rusanova, T V; Braginskaya, F I; Kruglyakova, K E *Appl Biochem Microbiol* 10 (3): 335-340. Ref. May/June 1974 Transl 1975

QH345.A1P73
Use of bacteria as protein producers in a process based on hydrocarbons. Chepigo, S V; Gradova, N B; Mikhaleva, V V; Kozlova, L I; Popova, T E; Neshchadim, A G; Shkop, YA YA; Fedorovich, R M *Appl Biochem Microbiol* 10 (2): 145-149. Ref. Mar/Apr 1974 Transl. 1975

QD241.K453
Investigation of the oils of Anethum graveolens [Essential and fatty oils]. Narzieva, M D; Stepanenko, G A; Umarov, A U; Maksudov, N Kh *Chem Nat Compd* 10 (2): 248. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Oil of the seeds of Dictamus angustifolius. Umarov, A U *Chem Nat Compd* 10 (2): 249-250. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Seed oils of Malcolmia turkestanica and Euclidium syriacum. Umarov, A U; Gigienova, E I; Ul'chenko, N T *Chem Nat Compd* 10 (2): 255-256. Mar/Apr 1974 (Transl. 1975)

385 Z64AE
Role of geometrical structure of fatty-acid radicals in dehydrated castor oil in its reaction with styrene. YUkhnovskii, G D; Zaslavskii, V M; Prilutskaya, N V; Popenker, R R *J Appl Chem USSR* 48 (6, Pt. 2): 1470-1471. June 1975

DAIRY PRODUCTS

QH345.A1P73
Influence of thermophilic methane fermentation products on the metabolism of lactic acid bacteria [during culturing in milk]. Gudkov, A V; Mikhlin, E D; Khandak, R N *Appl Biochem Microbiol* 10 (3): 364-367. Ref. May/June 1974 Transl 1975

QH345.A1P73
Milk-clabbering and proteinase activity of modified alpha-chymotrypsin sorbed on anionites. Yanushauskaite, V B; Kozlov, L V; Antonov, V K *Appl Biochem Microbiol* 10 (3): 341-344. May/June 1974 Transl 1975

LIVESTOCK PRODUCTS

QH345.A1P73
Effect of various proteinase preparations on the collagen of the calf dermis [Depilation of raw hides]. Istranov, L P; Nesterova, G A *Appl Biochem Microbiol* 10 (2): 275-279. Ref. Mar/Apr 1974 Transl. 1975

POULTRY PRODUCTS

QH345.A1P73
Dynamics of carbonyl-compound accumulation in irradiated mixed eggs during storage. Popkov, V N; Yunin, A N *Appl Biochem Microbiol* 10 (3): 373-376. Ref. May/June 1974 Transl 1975

QH345.A1P73
Purification and properties of proteinase inhibitors from the albumin of the eggs of certain species of birds [Chickens, quail]. Mosolov, V V; Fedurkina, N V; Ievleva, E V *Appl Biochem Microbiol* 10 (3): 345-348. Ref. May/June 1974 Transl 1975

FIELD CROP PRODUCTS

QH345.A1P73
Acid proteases of barley and barley malt. Popov, M P; Karpilenko, G P *Appl Biochem Microbiol* 10 (2): 246-250. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). Salmanova, L S; Zhdanova, L A *Appl Biochem Microbiol* 10 (2): 241-245. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Amines of the volatile components of bread baked from dough prepared by different methods. Zyuz'ko, A S; Enikeeva, N G; Golovnya, R V; Zhuravleva, I L *Appl Biochem Microbiol* 10 (3): 368-372. Ref. May/-June 1974 Transl 1975

QH345.A1P73
Change in the free amino acid composition of Egyptian barley during preparation of malt and wort. el Farra, A K; Foda, I U; el Ashvakh, I T *Appl Biochem Microbiol* 10 (2): 251-252. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Change in the sugars of Egyptian [barley] malt during mashing. el-Farra, A H; Foda, I W; el-Ashwah, I T *Appl Biochem Microbiol* 10 (3): 409-410. Ref. May/June 1974 Transl 1975

QH345.A1P73
Dynamics of the hydrolysis of barley beta-glucan under the action of various enzyme preparations. Salmanova, L S; Zhdanova, L A *Appl Biochem Microbiol* 10 (3): 377-382. Ref. May/June 1974 Transl 1975

QH345.A1P73
Gibberellin-like compounds in fresh and heat-treated barley. Fertman, G I; Tereshina, E V *Appl Biochem Microbiol* 10 (2): 215-218. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Influence of different hydrothermal-treatment methods on the protein complex of pearl barley. Fedorchenko, S F; Sosedov, N I *Appl Biochem Microbiol* 10 (2): 211-214. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Influence of proteins, mucilaginous compounds, and lipids on rye starch-paste formation. Sirotkin, V V; Golenkov, V F; Sosedov, N I *Appl Biochem Microbiol* 10 (2): 206-210. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Oxygen absorption during high-temperature treatment of tobacco. Trubnikov, V F; Arakelova, S I *Appl Biochem Microbiol* 10 (3): 414-415. May/June 1974 Transl 1975

QD241.K453
Influence of solvents on isomerization in the hydrogenation of cottonseed oil. Nazarova, I P; Glushenkova, A I; Markman, A L *Chem Nat Compd* 10 (2): 251-252. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Oil of the seeds of the cotton plant of variety AN-401. Kodyrov, K; Chernenko, T V; Umarov, A U *Chem Nat Compd* 10 (2): 246-247. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of solid phase in cottonseed oil hydrogenates. Nazarova, I P; Glushenkova, A I; Markman, A L; Tararskii, V P; Vadzhipov, O YA *Chem Nat Compd* 10 (2): 253-254. Mar/Apr 1974 (Transl. 1975)

385 Z64AE
Isolation and structural characteristics of cellulose from grasses. Dudkin, M S; Lemle, N A; Shkantova, N G *J Appl Chem USSR* 48 (6, Pt. 2): 1400-1403. June 1975

HORTICULTURAL PRODUCTS

QH345.A1P73
Compounds responsible for the aroma of grapes and their role in formation of the bouquet of wine. Rodopulo, A K; Egorov, I A; Bezzubov, A A; Skuin', I P *Appl Biochem Microbiol* 10 (2): 228-223. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Determination of volatile aromatic compounds in sparkling apple wine. Vecher, A S; Veiner, A G; Yurchenko, L A *Appl Biochem Microbiol* 10 (2): 234-240. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Influence of drying methods on the free amino acids and amides of mushrooms. Dudareva, N T *Appl Biochem Microbiol* 10 (2): 269-271. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Investigation of the protein composition of anti-A of phytohemagglutinins, obtained from Phaseolus lunatus [Lima beans]. Pozhidaeva, G A; Molseeva, V P; Turchenko, E I *Appl Biochem Microbiol* 10 (3): 383-387. Ref. May/June 1974 Transl 1975

QH345.A1P73
Properties of the polyphenol oxidase of grapes of the Cabernet Sauvignon variety. Bokuchava, M A; Soboleva, G A; Datunashvili, E N; Mindadze, R K *Appl Biochem Microbiol* 10 (2): 224-227. Ref. Mar/Apr 1974 Transl. 1975

FEED PRODUCTS

QH345.A1P73
Determination of tryptophan in feeds by different methods. Skorkin, G K; Ryadchikov, V G *Appl Biochem Microbiol* 9 (2): 251-253. Mar/Apr 1973 (Pub. 1975)

QH345.A1P73
Influence of substrate n-alkane composition on lipid biosynthesis by the yeast Candida guilliermondii [Animal feed, industrial fats]. Alent'eva, E S; Garbalinskii, V A; Korobova, L G; Sokolov, YU I *Appl Biochem Microbiol* 10 (2): 158-160. Mar/Apr 1974 Transl. 1975

LIVESTOCK BIOLOGY

QH345.A1P73
Antirachitic activity of lumisterol-3 [Chickens]. Govseeva, N N; Vendt, V P *Appl Biochem Microbiol* 10 (2): 272-274. Ref. Mar-/Apr 1974 Transl. 1975

385 B523AE
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of peptides from cyanogen bromide hydrolysate. Aldanova, N A; Feigina, M YU; Lipkin, V M; Smirnov, YU V; Slobodyan, L N; Egorov, TS A; Grishin, E V; Ovchinnikov, YU A; Nosikov, V V; Et Al *Biochemistry (N Y)* 40 (2, Pt. 1): 196-200. Mar/Apr 1975

442.8 R11AE
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. Skobel'tsyna, E S; Kendysh, I N; Grinberg, S M; Samuleva, S V *Radiobiology* 15 (1): 76-81. 1975

LIVESTOCK BREEDING

QH573.C92
An in vivo study of the action of type A2 influenza virus on the chromosomes of animal cells. Frolov, A F; Belyakova, E M; Dyadyun, S T *Cytol Genet* 8 (6): 61-62. 1974

QH573.C92
Correlation of phenotypic variation of milk production and genetic variations of transferrin and hemoglobin types in Simmenthal cows. Kadiev, A K *Cytol Genet* 8 (6): 53-56. Ref. 1974

QH573.C92
Genetic polymorphims of amylase and ceruloplasmin in two breeds of hogs raised in the southern UkrSSR. Plakhotnikov, A G *Cytol Genet* 8 (6): 63-64. 1974

QH573.C92
Karyotype of the guinea fowl under normal conditions. Denisova, R A; Khrustalev, S A *Cytol Genet* 8 (6): 51-52. 1974

QH573.C92
Robertson-type translocations (centric fusions) of autosomes in cattle (Bos taurus L.). Gol'dman, I L; Bakai, A V; Zhivalev, I K *Cytol Genet* 8 (6): 65-72. Ref. 1974

QH431.A1G43
A method for formation of analog groups in research on genetics and breeding [Cattle]. Novostavskii, V N; Gorlov, A I *Sov Genet* 10 (7): 842-844. July 1974 (Transl. 1976)

QH431.A1G43
Color inheritance in Sokol sheep. Ogii, V G *Sov Genet* 10 (2): 178-181. Feb 1974 (Transl. 1975)

QH431.A1G43
Further study of the mutation process in chinese hamster cells in vitro. Khalizev, A E; Petrova, O N; Shapiro, N I *Sov Genet* 10 (7): 845-853. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Genetic analysis of sterility in heifers. Zavertyaev, B P *Sov Genet* 10 (4): 441-445. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Genetic control of the potassium content in the erythrocytes of sheep (Ovis domesticus). Lazovskii, A A; Spiridonov, V I *Sov Genet* 10 (4): 450-454. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Genetic mechanisms and the evolution of heterosis [Animals, plants, insects]. Kirpichnikov, V S *Sov Genet* 10 (4): 540-551. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Genetically controlled electrophoretic variants of esterase in silver foxes [Fur bearing animals]. Serov, O L; Khlebodarova, T M; Sukoyan, M A *Sov Genet* 10 (2): 211-215. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
Karyotype of an interspecific hybrid of the urial (Ovis vignei) with the Kazakh Fine-Fleeced sheep. Savitskii, V F; Sharipov, I K; Kabir-Biyuk-Ogly, A *Sov Genet* 10 (4): 552-553. April 1974 (Transl. 1975)

QH431.A1G43
Karyotype of the Kazakh Arkhar-Merino sheep. Mukhamedgaliev, F M; Savitskii, V F *Sov Genet* 10 (4): 446-449. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Physicochemicl mechanisms of inbred depression and heterosis [Plants, animals]. Shakhbasov, V G *Sov Genet* 10 (4): 531-539. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Polymorphism and mosaicism for supernumerary chromosomes in silver roxes [Fur bearing animals]. Belyaev, D K; Volobuev, V T; Radzhabli, S I; Trut, L N *Sov Genet* 10 (2): 182-289. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
Problems in planning breeding work with cattle. Nikoro, Z S *Sov Genet* 10 (7): 834-841. July 1974 (Transl. 1976)

MISCELLANEOUS DISEASES

QH345.A1P73
Mechanism of the development of strontium rachitis [in chickens]. Bauman, V K; Yansone, L A *Appl Biochem Microbiol* 10 (3): 285-290. Ref. May/June 1974 Transl 1975

FOREST INDUSTRIES

QD241.K453
Alkyl ferulates from the bark and wood of plants of the Pinaceae family. Leont'eva, V G; Gromova, A S; Lutskii, V I; Modonova, L D; Tyukavkina, N A *Chem Nat Compd* 10 (2): 244-245. Mar/Apr 1974 (Transl. 1975)

385 Z64AE
Kinetics of the alkaline degradation of different types of [cotton and wood] cellulose on treatment with highly concentrated alkali solution. Orlovskaya, G M; Bytenskii, V YA *J Appl Chem USSR* 48 (4, Pt. 2): 899-901. Apr 1975

PLANT TAXONOMY AND GEOGRAPHY

448.3 M582AE
Phenotypes (killer, neutral, sensitive) of yeasts of the genus Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. Tyurina, L V; Bur'yan, N I *Microbiology* 44 (2): 316-320. Mar/Apr 1975

PLANT ECOLOGY

QH540.E32
Application of the energy principle to determine the amount of vegetation consumed by Orthoptera in the mountain pastures of eastern Georgia. Stolyarov, M V *Sov J Ecol* 6 (1): 1-5. Ref. Jan/Feb 1975

QH540.E32
Ecology and hydrogeological role of feathergrass [Lasiagrostis splendens] communities in the sandy deserts of the northern Aral region. Vostokova, E A *Sov J Ecol* 6 (1): 62-67. Ref. Jan/Feb 1975

QH540.E32
Influence of illumination and litter-drop on the development of certain species of mosses [Musci, Picea, forests]. Tarkhova, T N; Ipatov, V S *Sov J Ecol* 6 (1): 43-48. Jan/Feb 1975

PLANT GENETICS AND BREEDING

QH573.C92
Aneuploidy in corn autotetraploids. Strel'chuk, S I *Cytol Genet* 8 (6): 1-4. Ref. 1974

QH573.C92
Changes in protein amino acid composition in the seeds of an induced spring vetch mutant. Zhebrak, E A; Shain, S S; Kolchin, N M *Cytol Genet* 8 (6): 13-16. Ref. 1974

QH573.C92
Dynamics of the circadian mitotic rhythm during formation of Haplopappus gracilis strains during culturing in vitro. Kunakh, V A; Piven, N M *Cytol Genet* 8 (6): 9-12. Ref. 1974

QH573.C92
Expression of mutant traits in different genotypic media in winter wheat. Orlik, A P *Cytol Genet* 8 (6): 57-60. 1974

QH573.C92
Mutagenic activity of chemical compounds of the diazoketone class with respect to corn. Larchenko, E A; Morgun, V V *Cytol Genet* 8 (6): 29-31. Ref. 1974

QH573.C92
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. Logvinenko, V F; Shkvarnikov, P K *Cytol Genet* 8 (6): 25-28. Ref. 1974

QH573.C92
Pigments of the vegetable organs of soft winter wheat plants with cytoplasmic male sterility. Savchenko, N I; Borisyuk, V A; Il'enko, I I *Cytol Genet* 8 (6): 5-8. Ref. 1974

QH573.C92
Production of hybrid [potato] stock utilizing the species Solanum bulbocastanum. Overchu, V I; Podgaetskii, A A *Cytol Genet* 8 (6): 17-21. Ref. 1974

QH573.C92
Relationship between root color and economically valuable traits in tetraploid hybrids between sugar and mangel-wurzel beets. Chekalina, I N; Gritsyuk, V N; Pestova, T M *Cytol Genet* 8 (6): 22-24. 1974

442.8 R11AE
Effectiveness of 0.2 MeV neutrons in the irradiation of seeds of Arabidopsis thaliana (L.) Heynh. Ginter, T N; Ivanov, V I; Troitskii, N A; Drozd, G G *Radiobiology* 15 (1): 199-202. Ref. 1975

442.8 R11AE
Modification of the injurious effect in the gamma irradiation of seeds of radiosensitive and radioresistant crops. Kaplan, I S; Tikhomirov, F A; Khvostova, V V *Radiobiology* 15 (1): 124-129. Ref. 1975

QH431.A1G43
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. Korolev, V G; Gracheva, L M; Volotnikova, E V *Sov Genet* 10 (3): 364-370. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
A confidence interval for the heritability coefficient of continuous characters [in the genetic analysis of plant populations]. Gel'bert, M G *Sov Genet* 10 (3): 300-304. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
A cytogenetic study of the effect of the joint action of ethyleneimine and gamma rays on the cells of Crepis capillarisseeds in two successive mitotic cycles. Sidorov, V P *Sov Genet* 10 (2): 161-168. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. Kuznetsova, O B *Sov Genet* 10 (3): 344-351. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Aneuploidy in the seed progeny of tetraploid rye. Kuvarin, V V *Sov Genet* 10 (3): 281-285. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Correlatin between activity of nitrogen mustards in alkylation reactions and their mutagenic activity on fungi [Aspergillus nidulans]. Kovalenko, S P *Sov Genet* 10 (4): 512-516. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosome mutations [Onions, broadbeans]. Alekperov, U K; Akhundova, D D *Sov Genet* 10 (7): 822-826. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Cytomixis in meiosis in some hybrid forms of the subtribe Triticinae. Shkutina, F M; Kozlovskaya, V F *Sov Genet* 10 (5): 559-565. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Diversity in the anionic peroxidase spectra of linecross radish hybrids. Voilokov, A V; Narbut, S I *Sov Genet* 10 (5): 683-684. May 1974 Transl. Nov 1975

QH431.A1G43
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. Kolontaev, V M *Sov Genet* 10 (5): 578-563. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. induced by dimethyl sulfate. Kolontaev, V M *Sov Genet* 10 (3): 291-299. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Experimental mutagenesis in apple. III. Morphological and genetic effects in Malus domestica, induced by N-nitroso-N-methylurea. Kolontaev, V M *Sov Genet* 10 (4): 427-433. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet sensitive] mutants. Pogosbekova, M R; Kameneva, S V *Sov Genet* 10 (7): 866-872. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. Kameneva, S V; Romanova, YU M; Furletova, N M *Sov Genet* 10 (4): 496-504. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. Korolev, V G; Gracheva, L M; Bolotnikova, E V *Sov Genet* 10 (7): 881-885. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. III. Study of heterokaryosis. Yurchenko, L V; Zakharov, I A; Levitin, M M *Sov Genet* 10 (3): 352-356. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Haploid tobacco plants produced in anther culture. Termovskii, M F; Butenko, R G; Izman, G V; Shinkareva, I K *Sov Genet* 10 (2): 169-173. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
Heritability and variability of characters in intervarietal and interspecific cotton hybrids under different irrigation conditions. Simongulyan, N G; Saakova, S G *Sov Genet* 10 (4): 417-423. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Influence of pollinating conditions on the manifestation of the gametophyte locus of the fourth chromosome in maize. Maletskii, S I; Siritsa, B N *Sov Genet* 10 (3): 286-290. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Localization of mutations in the second chromosome of the yeast Saccharomyces cerevisiae. Ter-Avanesyan, M D; Inge-Vechtomov, S G *Sov Genet* 10 (5): 651-654. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Mutability of the garden pea and tomato with chronic gamma-irradiation of the plants and the acute irradiation of the seeds. Dolgikh, S T; Khafizov, R N *Sov Genet* 10 (5): 574-577. May 1974 Transl. Nov 1975

QH431.A1G43
Mutational changes in rice. Natal'in, N B; Mosina, S B; Chan Quang Nguoc, *Sov Genet* 10 (2): 274-276. Feb 1974 (Transl. 1975)

QH431.A1G43
Natural and artificial variability in development type in soft wheat. Gulyaev, G V; Magurov, P F *Sov Genet* 10 (7): 817-821. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Nonnuclear mutations in sunflowers. III. Unusual somatic segregation of plants with variegated leaves. Beletskii, YU D; Razoriteleva, E K *Sov Genet* 10 (2): 156-160. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
On the nature of male sterility occurring in the seed progeny of scions in sugarbeet. Leonova, N S *Sov Genet* 10 (4): 424-426. April 1974 (Transl. 1975)

QH431.A1G43
Population methods in the phenogenetics of plant quantitative traits. II. Allometric analysis. Magomedmirzaev, M M *Sov Genet* 10 (4): 434-440. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Production of a mitochondrial mutant of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this antibiotic [Yeasts]. Nevzglyadova, O V; Golubkov, V I; Neifakh, S A *Sov Genet* 10 (7): 873-880. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Production of genetic heterogeneity and some aspects of heterosis breeding in crosspollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. Molchan, I M *Sov Genet* 10 (5): 584-590. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Revertants of sunflower chlorophyll mutants. Lyashchenko, I I; Ulitcheva, I I *Sov Genet* 10 (2): 151-155. Feb 1974 (Transl. 1975)

QH431.A1G43
Study of chimerism in the reproductive tissue of Arabidopsis thaliana plants following irradiation of seeds. Grinikh, L I; Shevchenko, V V; Grigor'eva, G A; Draginskaya, L YA *Sov Genet* 10 (7): 827-834. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. Shevchenko, V A; Alekseenok, A YA; Prister, V S; Ryabov, G G *Sov Genet* 10 (2): 220-226. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and red colors of the grain. Yashovskii, I V *Sov Genet* 10 (5): 566-573. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
The mutagenic influence of drying on pea seeds. Kolotenkov, P V *Sov Genet* 10 (7): 924-925. July 1974 (Transl. 1976)

QH431.A1G43
The possibility of the detection of potential damages to the chromosome structure in seeds of Crepis capillaris and Crepis tectorum. Protopopova, E M; Bagrova, A M; Shapiro, N I *Sov Genet* 10 (2): 174-177. Ref. Feb 1974 (Transl. 1975)

QH431.A1G43
Variable restorers of Texas type CMS [cytoplasmic male sterility] in corn. Gontarovskii, V A *Sov Genet* 10 (2): 143-150. Ref. Feb 1974 (Transl. 1975)

PLANT PHYSIOLOGY AND BIOCHEMISTRY—GENERAL

QH345.A1P73
Changes in the activities of enzymes and the protein content of yeasts [Candida guilliermondii] in relation to the residual hydrocarbon levels in the biomass. Latysheva, N N; Koshtoyants, N D; Chopyak, A M; Gololobov, A D *Appl Biochem Microbiol* 10 (3): 320-323. Ref. May/June 1974 Transl 1975

QH345.A1P73
Extracellular alkaline ribonuclease of Penicillium brevicompactum [Fungi]. Bezborodova, S I; Sukhodol'skaya, G V; Gulyaeva, V I; Il'ina, T V *Appl Biochem Microbiol* 10 (3): 358-363. Ref. May/June 1974 Transl 1975

QH345.A1P73
Free intracellular amino acids of the mycelium of Aspergillus oryzae [Fungi] and acid proteinase synthesis. Zueva, R V; Konovalov, S A; Pomazkova, V A; Ryabchuk, V A *Appl Biochem Microbiol* 10 (2): 167-170. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Gel-chromatographic fractionation of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. Kuznetsov, A A; Stepanenko, B N *Appl Biochem Microbiol* 10 (3): 402-408. Ref. May/-June 1974 Transl 1975

QH345.A1P73
Isolation of the acid-fast alpha-amylase of Aspergillus awamori [Fungi] and study of its properties. Zherebtsov, N A; Pashchenko, L P; Zhiteneva, T D *Appl Biochem Microbiol* 10 (2): 192-196. Ref. Mar/Apr 1974 Transl. 1975

QH345.A1P73
Separation of water-soluble and water-insoluble saponins from rhizones of Dioscorea deltoidea. Paseshnichenko, V A; Borikhina, M G *Appl Biochem Microbiol* 10 (3): 388-392. Ref. May/June 1974 Transl 1975

385 B523AE
The effect of the prosthetic group of horseradish peroxidase on the stability of the enzyme. Berezin, I V; Ugarova, N N; Kershengol'ts, B M; Brovko, L YU *Biochemistry (N Y)* 40 (2, Pt. 1): 248-251. Ref. Mar-/Apr 1975

QD1.A543
X-ray diffraction determination of the structure of lagochilin [Lagochilus inebrians]. Vorontsova, L G; Chizhov, O S; Tarnopol'-skii, B L; Andrianov, V I *Bull Acad Sci USSR, Div Chem Sci* 24 (2): 274-278. Ref. Feb 1975

QD241.K453
Aglycone composition of the flavonoid glycosides of Astragalus mongolicus. Dungerdorzh, D; Petrenko, V V; Deryugina, L I *Chem Nat Compd* 10 (2): 260. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Alkaloids of Leucojum vernum. Kalshnikov, I D *Chem Nat Compd* 10 (2): 274. Mar/Apr 1974 (Transl. 1975)

QD241.K453
An investigation of the amino acids of Passiflora incarnatacultivated in Georgia. Gavasheli, N M; Moniava, I I; Eristavi, L I *Chem Nat Compd* 10 (2): 285. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Cardenolides of Erysimum suffruticosum. Makarevich, I F *Chem Nat Compd* 10 (2): 189-192. Ref. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Cardenolides of the flowers and bulbs of Ornithogalum gussonii. Komissarenko, N F; Krivenchuk, P E *Chem Nat Compd* 10 (2): 271. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Cardenolides of Ornithogalum schelkovnikovii. Komissarenko, N F; Pakaln, D A *Chem Nat Compd* 10 (2): 272. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Chemical study of Platitenia absinthifolia. Ubaev, Kh U; Urdusheva, B; Nikonov, G K *Chem Nat Compd* 10 (2): 257. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Ecdysterone from Ajuga chia. Usmanov, B Z; Gorovits, M B; Abubakirov, N K *Chem Nat Compd* 10 (2): 270. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Essential oil of Schraderia dracocephaloides. Abbasov, R M; Shavarda, A L *Chem Nat Compd* 10 (1): 106. Jan/Feb 1974 (Transl. 1975)

QD241.K453
Flavonoids from some species of Delphinium. Arazashvili, A I; Moniava, I I; Kemertelidze, E P *Chem Nat Compd* 10 (2): 261. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Flavonoids of Dorycnium intermedium. Zurabishvili, T S; Kemertelidze, E P *Chem Nat Compd* 10 (2): 265. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Flavonoids of the leaves of Rhamnus pallasii. Zurabishvili, T S; Moniava, I I *Chem Nat Compd* 10 (2): 266. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Flindersine from Haplophyllum perforatum. Akhmedzhanova, V I; Bessonova, I A; Yunusov, S YU *Chem Nat Compd* 10 (2): 280. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Glycosides of kaempferol from Campanula hypopolia. Dzhumyrko, S F *Chem Nat Compd* 10 (2): 262. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Glycosides of Vaccaria segetalis. V. Vaccarin. Baeva, R T; Karryev, M O; Litvinenko, V I; Abubakirov, N K *Chem Nat Compd* 10 (2): 182-186. Ref. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Glycosides of Vaccaria segetalis. VI. Baeva, R T; Karryev, M O; Amanmuradov, K; Abubakirov, N K *Chem Nat Compd* 10 (2): 273. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Investigation of the polysaccharides from the stems of Althaea rugosa. Kozhina, I S; Mamatov, G Z *Chem Nat Compd* 10 (2): 159-160. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Isolation of 6,7-dehydro-8-oxokopsinine, vincanine n-oxide, and venalstonine from Vinca erecta. Sharipov, M; Malikov, V M; Yunusov, S YU *Chem Nat Compd* 10 (2): 281. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and aspartyl-tRNA synthetases from the fungus Verticillium dahliae. Ibragimov, A P; Ismailov, E M *Chem Nat Compd* 10 (2): 234-237. Ref. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Lactones of Jurinea maxima. Zakirov, S Kh; Kasymov, Sh Z; Sidyakin, G P *Chem Nat Compd* 10 (2): 268. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Linaroside—a new flavone glycoside from some species of Linaria [kokanica, Linaria sessilis]. Smirnova, L P; Zapesochnaya, G G; Ban'kovskii, A I; Boryaev, K I *Chem Nat Compd* 10 (2): 259. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Method for the quantitative determination of schizandrin and schizandrol in Schisandra chinensis. Samoilenko, L I; Suprunov, N I *Chem Nat Compd* 10 (2): 161-164. Mar-/Apr 1974 (Transl. 1975)

QD241.K453
New alkaloids from Peganum harmala. Zharekeev, B Kh; Khashimov, Kh N; Telezhenetskaya, M V; Yunusov, S YU *Chem Nat Compd* 10 (2): 282-283. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Phenolic compounds from Sedum purpureum. Pokotylo, I V; Gumenyuk, L A; Dykhanov, N N *Chem Nat Compd* 10 (2): 263. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Polysaccharides of Matricaria chamomilla. I. Monosaccharide composition of the polysaccharide complex. Gorin, A G; Yakovlev, A I *Chem Nat Compd* 10 (2): 151-154. Mar-/Apr 1974 (Transl. 1975)

QD241.K453
Polysaccharides of brown algae [Phaeophyta]. VIII. A study of pelvecyan and sargassan by methylation. Pavlenko, A F; Kurika, A V; Khomenko, V A; Ovodov, YU S *Chem Nat Compd* 10 (2): 155-158. Mar-/Apr 1974 (Transl. 1975)

QD241.K453
Preliminary investigation of the glycosides of Clematis orientalis. Mel'nikov, V N; Kal'yan, YU B; Dekanosidze, G E; Chirva, V YA *Chem Nat Compd* 10 (2): 269. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Quantitative determination of sanguinarine and heleritrine in Bocconia cordata. Maslova, G A *Chem Nat Compd* 10 (2): 278-279. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Quercimeritrin from Achillea neilreichii. Zurabishvili, T S *Chem Nat Compd* 10 (2): 264. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Sesquiterpene lactones of Inula helenium. Kerimov, S Sh; Chizhov, O S *Chem Nat Compd* 10 (2): 267. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Stachydrine from Phlomis tuberosa and Panzeria lanata. Khokhrina, T A; Peshkova, V A *Chem Nat Compd* 10 (2): 284. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Structure of the coumarin sechulin [Seseli seseliflorum, Seseli tschuense]. Aminov, A M; Nikonov, G K *Chem Nat Compd* 10 (2): 165-167. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Study of the alkaloids of Sophora alopecuroides. Monakhova, T E; Tolkachev, O N; Kabanov, V S; Proskurnina, N F *Chem Nat Compd* 10 (2): 275. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Systems of disc electrophoresis for studying acid proteinases [Aspergillus awamori, fungi]. Strongin, L YA; Levin, E D; Stepanov, V M *Chem Nat Compd* 10 (2): 231-233. Ref. Mar/Apr 1974 (Transl. 1975)

385 Z64AE
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of marine algae and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. Dudkin, M S; Grinshpun, S I; Kapustina, V V *J Appl Chem USSR* 48 (4, Pt. 2): 865-869. Ref. Apr 1975

448.3 M582AE
Activities of cholesterol degrading microorganisms [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, Nocardia erythropolis]. Imshenetskii, A A; Nikitin, L E; Nazarova, T S; Efimochkina, E F *Microbiology* 44 (2): 181-184. Ref. Mar/Apr 1975

448.3 M582AE
An election-microscopic and biochemical study of the spheroplasts of the blue-green alga Anabaena variabilis. Baulina, O I; Korzhenevskaya, T G; Nikitina, K A; Gusev, M V *Microbiology* 44 (1): 109-112. Ref. Jan/Feb 1975

448.3 M582AE
Derepression of cellulase synthesis in Trichoderma lignorum[fungi] during limited consumption of readily assimilated carbon sources. Lobanok, A G; Pavlovskaya, Zh I *Microbiology* 44 (1): 25-28. Ref. Jan/Feb 1975

448.3 M582AE
Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). Mogil'nitskii, G M; Andreev, L V; Koshcheenko, K A *Microbiology* 44 (2): 310-315. Ref. Mar/Apr 1975

448.3 M582AE
Factors influencing the biosynthesis of beta-galactosidase in Alternaria tenuis [Fungi]. Tikhomirova, A S; Zagustina, N A; Feniksova, R V *Microbiology* 44 (1): 21-24. Jan/-Feb 1975

448.3 M582AE
Fluorochrome staining of yeast [Saccharomyces cerevisiae] nuclei with acridineyperite. Chesnokova, M P; Bondarev, G N *Microbiology* 44 (2): 326-327. Mar/Apr 1975

448.3 M582AE
Formation and distribution of free amino acids in the mycelium of Cunninghamella elegans [fungi] during growth on mediawith glucose or dodecane. Lin, L Z; Kazanskaya, T B; Bekhtereva, M N *Microbiology* 44 (1): 55-58. Ref. Jan/Feb 1975

448.3 M582AE
Influence of high pressure on the content of carotenoids in the mycelium of Blakeslea trispora Thaxter [Fungi]. Feofilova, E P; Red'kina, T V *Microbiology* 44 (1): 153-154. Jan/Feb 1975

448.3 M582AE
Peculiarities of the oxygen metabolism of the obligate phototrophic blue-green alga Anabaena variabilis in darkness. Sentsova, O YU; Nikitina, K A; Gusev, M V *Microbiology* 44 (2): 250-254. Ref. Mar/Apr 1975

448.3 M582AE
Rapid selection of microorganisms forming extracellular lipases [Aspergillus, fungi]. Kuimova, T F; Shabanova, E A; Kazakov, G A *Microbiology* 44 (2): 324-325. Mar/Apr 1975

448.3 M582AE
Yeast flora of the rhizosphere and phyllosphere of plants. Kvasnikov, E I; Nagornaya, S S; Shchelokova, I F *Microbiology* 44 (2): 299-305. Ref. Mar/Apr 1975

QH491.S66
Polar distribution of RNA in cytoplasm of Acetabularia mediterranea [Algae]. Naumova, L P; Samorodova, N I; Sandakhchiev, L S *Sov J Dev Biol* 6 (1): 85-89. Ref. Jan/Feb 1975

QH540.E32
Thermal hardening of the cells of higher plants in the semiarid subtropics. Fal'kova, T V *Sov J Ecol* 6 (1): 68-74. Ref. Jan/Feb 1975

450 F58AE
Daily changes of xanthophyll content in leaves of lady's mantle [Alchimilla subcrenata] growing beyond the polar circle. Luk'yanova, L M; Markovskaya, E F *Sov Plant Physiol* 22 (3): 407-414. Ref. May/-June 1975

450 F58AE
Effects of gibberellic acid and maleic hydrazide on certain biochemical indices of Scenedesmus obliquus [Algae]. Dushkova, P I; Dencheva, A V *Sov Plant Physiol* 22 (3): 520-524. Ref. May/June 1975

450 F58AE
Free phenolcarboxylic acids in the pericarp and placenta of opium poppy. Pontovich, V E; Volynets, A P; Klimova, G V; Golenko, I N *Sov Plant Physiol* 22 (3): 422-427. Ref. May/June 1975

450 F58AE
Gradient system of chlorine and ash distribution in plants and its ecological-physiological significance. Kostina, A E; Portyanko, V F; Dulova, M K *Sov Plant Physiol* 22 (3): 532-534. May/June 1975

450 F58AE
In vivo excretions of the blue-green algae Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. Karaush, G A; Fedorov, V D *Sov Plant Physiol* 22 (3): 510-516. Ref. May/June 1975

450 F58AE
Isolation of a pure fungal culture during cultivation of cells of Kochia americana. Komizerko, E I *Sov Plant Physiol* 22 (3): 504-509. May/June 1975

450 F58AE
Laboratory apparatus for conducting experiments on investigation of plant objects in a regulated gas environment. Rakitin, L YU; Rakitin, V YU *Sov Plant Physiol* 22 (3): 553-557. Ref. May/June 1975

450 F58AE
Luminescent-microscopic study of root tissue of common rue [Ruta graveolens]. Kuzovkina, I N; Ladygina, E YA; Smirnov, A M *Sov Plant Physiol* 22 (3): 501-503. May/June 1975

450 F58AE
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration [Funaria hygrometrica, musci, Trentepholia umbrina, Pleurococcus vulgaris, algae]. Genkel', P A; Levina, V V *Sov Plant Physiol* 22 (3): 488-491. Ref. May/June 1975

450 F58AE
Study of high-molecular-weight polyphosphates at different stages of development of Acetabularia crenulata [Algae]. Kulaev, I S; Rubtsov, P M; Bommer, B; Yazykov, A A *Sov Plant Physiol* 22 (3): 445-450. Ref. May/June 1975

450 F58AE
Transport and conversion of sugars in nectaries in connection with the secretory function [Asclepias, pumpkins]. Zauralov, O A; Pavlinova, O A *Sov Plant Physiol* 22 (3): 415-421. Ref. May/June 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FIELD CROPS

QH345.A1P73
Certain carbohydrate-metabolism enzymes in the nodules of yellow lupine. Chermenskaya, I E; Petrova, A N *Appl Biochem Microbiol* 10 (2): 219-223. Ref. Mar/Apr 1974 Transl. 1975

385 B523AE
Investigation of wheat protein disulfide reductase. Gorpinchenko, T V; Vakar, A B; Kretovich, V L *Biochemistry (N Y)* 40 (2, Pt. 1): 269-275. Ref. Mar/Apr 1975

QD241.K453
Isoflavones of the roots of Lupinus luteus [Lupine]. Laman, N A; Volynets, A P *Chem Nat Compd* 10 (2): 175-177. Mar/Apr 1974 (Transl. 1975)

450 F58AE
Activity of beta-glucosidase in plants with different boron requirements [Maize, wheat, beans]. Maevskaya, A N; Troitskaya, E A; Temp, G A; Andreeva, E N *Sov Plant Physiol* 22 (3): 476-480. Ref. May/June 1975

450 F58AE
Effect of drought on post-photosynthetic conversions of C14[carbon isotope] in [broad] bean leaves. Chikov, V I; Nikolaev, B A *Sov Plant Physiol* 22 (3): 492-494. Ref. May/June 1975

450 F58AE
Effect of nitrogen nutrition on glycolate oxidase activity in [broad] bean and corn plants. Andreeva, T F; Avdeeva, T A; Stepanenko, S YU *Sov Plant Physiol* 22 (3): 460-463. Ref. May/June 1975

450 F58AE
Effect of streptomycin on chlorophyll biosynthesis in wheat seedlings. Babayan, R S; Gevorkyan, A M; Airapetyan, R B; Saakyan, M S *Sov Plant Physiol* 22 (3): 402-406. Ref. May/June 1975

450 F58AE
Energy dissipation and photosynthesis in nitrogen and phosphorus nutrition [Sunflowers]. Stoyanov, Zh V *Sov Plant Physiol* 22 (3): 525-526. Ref. May/June 1975

450 F58AE
Localization of reactions of the C-4 dicarboxylic acid cycle in cellular structures of assimilating tissues of the cornleaf. Persanov, V M; Kuznetsova, L G; Karpilov, YU S *Sov Plant Physiol* 22 (3): 397-401. Ref. May/June 1975

450 F58AE
Membrane potentials and activity of potassium ions cells of tobacco tissue cultures. Litvinov, A I; Vorob'ev, L N; Vakhmistrov, D B *Sov Plant Physiol* 22 (3): 481-487. Ref. May/June 1975

450 F58AE
Possible participation of peroxidase in reduction of nitrates in plants [Broadbeans]. Peive, YA V; Ivanova, N N; Ovcharenko, G A; Shirinskaya, M G *Sov Plant Physiol* 22 (3): 438-444. Ref. May/June 1975

450 F58AE
Potentiometric investigation of kinetics of the Hill reaction as a function of ferricyanide concentration [Maize]. Zelenskii, M I; Moglieva, G A *Sov Plant Physiol* 22 (3): 538-546. Ref. May/June 1975

450 F58AE
Respiration of the cells of corn roots during deceleration of the rate of root growth induced by reduced temperature. Maricheva, E A; Rodchenko, O P; Nechaeva, L V *Sov Plant Physiol* 22 (3): 495-500. Ref. May/June 1975

450 F58AE
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of chloroplasts [Maize, peas]. Gavrilenko, V F; Rubin, B A; Zhigalova, T V *Sov Plant Physiol* 22 (3): 369-374. Ref. May/June 1975

450 F58AE
The mechanism of auxin action on membrane transport of hydrogen ions [Maize]. Polevoi, V V; Salamatova, T S *Sov Plant Physiol* 22 (3): 432-437. Ref. May/June 1975

450 F58AE
Urease activity of isolated tobacco protoplasts. Musorok, T I; Zhuravlev, YU N *Sov Plant Physiol* 22 (3): 451-454. Ref. May/June 1975

PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

QH345.A1P73
Assimilation of benzene from the atmosphere by fruits. Durmishidze, S V; Ugrekhelidze, D Sh; Dzhikiya, A N *Appl Biochem Microbiol* 10 (3): 393-396. Ref. May/June 1974 Transl 1975

QH345.A1P73
Determination of the content of natural growth inhibitors of the potato tuber-caffeic acid and scopoletin. Morozova, E V; Korableva, N P; Metlitskii, L V *Appl Biochem Microbiol* 10 (3): 397-401. Ref. May/June 1974 Transl 1975

385 B523AE
A study of the ribosomal proteins and subunits of pea seeds by the method of electrophoresis in polyacrylamine gel. Chumikina, L V; Gumilevskaya, N A; Kretovich, V L *Biochemistry (N Y)* 40 (2, Pt. 1): 223-230. Ref. Mar/Apr 1975

QD241.K453
Acetylpectolinarin from some species of Salvia. Smirnova, L P; Glyzin, V I; Patudin, A V; Ban'kovskii, A I *Chem Nat Compd* 10 (2): 258. Mar/Apr 1974 (Transl. 1975)

QD241.K453
Spectrophotometric analysis of the preparation psoberan [Ficus carica]. Eidler, YA I; Genkina, G L; Shakirov, T T *Chem Nat Compd* 10 (2): 168-169. Mar/Apr 1974 (Transl. 1975)

QH540.E32
Winter hardiness of endemic and introduced [ornamental and fruit] trees in the southern Far East. Taleinsnik, E D *Sov J Ecol* 6 (1): 49-54. Ref. Jan/Feb 1975

450 F58AE
Acropetal transport of exogenous beta-indolyacetic acid in potato sprouts. Vonsavichene, V N; Marchukaitis, A S *Sov Plant Physiol* 22 (3): 428-431. Ref. May/June 1975

450 F58AE
Cellular funds of sugars and respiration [Peas]. Yudina, O S *Sov Plant Physiol* 22 (3): 375-381. Ref. May/June 1975

450 F58AE
Changes of enzymatic activity in apple seeds under the influence of stratification. Yankelevich, B B; Nikolaeva, M G *Sov Plant Physiol* 22 (3): 535-537. Ref. May/June 1975

450 F58AE
Comparative immunochemical study of proteins of the root and other organs of pea seedlings. Mardanov, A A; Abutalybov, M G; Shirvani, T S *Sov Plant Physiol* 22 (3): 455-459. Ref. May/June 1975

450 F58AE
Effect of alkaline cations on the electrophoretic spectrum of water-soluble proteins of tomato leaves. Myasoedov, N A; Kabanov, V V *Sov Plant Physiol* 22 (3): 464-469. Ref. May/June 1975

450 F58AE
Effect of kinetin on potato growth and productivity. Drozdov, S N; Volkova, R I *Sov Plant Physiol* 22 (3): 527-528. Ref. May/June 1975

450 F58AE
Effect of salinization of the medium on synthesis and qualitative composition of peptides in pea plants. Prikhod'ko, L S; Klyshev, L K; Amirzhanova, G M *Sov Plant Physiol* 22 (3): 470-475. Ref. May/June 1975

450 F58AE
Natural cytokinins and dormancy of tulip bulbs [Tulipa alberti]. Rakhimbaev, I R; Solomina, V F *Sov Plant Physiol* 22 (3): 517-519. Ref. May/June 1975

450 F58AE
On the specificity of interaction between DNA and protein of the chloroplasts of Pisum sativum [Peas]. Pinevich, V V; Ivanova, S B; Lipskaya, A A *Sov Plant Physiol* 22 (3): 529-531. Ref. May/June 1975

450 F58AE
Redox conversions of cytochrome f in isolated chloroplasts of pea. Roshchina, V V; Akulova, E A *Sov Plant Physiol* 22 (3): 391-396. Ref. May/June 1975

450 F58AE
The pigment fund of [pea] chloroplasts as a function of the spectral composition of light. Kakhnovich, L V; Grits, M G *Sov Plant Physiol* 22 (3): 382-385. Ref. May/June 1975

450 F58AE
The transpiration method of measuring heat resistance of [vegetable] plants. Babushkin, L N *Sov Plant Physiol* 22 (3): 547-552. Ref. May/June 1975

450 F58AE
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of leaf heating [Kidney beans]. Belikov, P S; Melekhov, E I *Sov Plant Physiol* 22 (3): 386-390. Ref. May/June 1975

PHYSIOLOGY AND BIOCHEMISTRY OF FOREST TREES

QD241.K453
New flavonol glycosides from the needles of Larix sibirica. Tyukavkina, N A; Medvedeva, S A; Ivanova, S Z *Chem Nat Compd* 10 (2): 170-172. Ref. Mar/Apr 1974 (Transl. 1975)

INSECT PESTS AND CONTROL—FIELD CROPS

421 R322AE
Dynamics of a cotton field arthropod association in northern Afghanistan (the case for an integrated cotton pest control system). II. Stolyarov, M V; Sugonyayev, YE S; Umarov, Sh A *Entomol Rev* 53 (3): 1-10. July/-Sept 1974 Trans 1975

421 R322AE
The resistnace of corn to Ostrinia nubilalis Hbn (Lepidoptera, Pyralidae) and the prospects for international cooperation on this problem. Shapiro, I D; Pereverzev, D S *Entomol Rev* 53 (3): 158-161. July/Sept 1974 Trans 1975

PESTICIDES—GENERAL

QH431.A1G43
Results of a cytogenetic investigation of workers exposed to the fungicide zineb. Pilinskaya, M A *Sov Genet* 10 (5): 668-672. Ref. May 1974 Transl. Nov 1975

GENERAL ENTOMOLOGY

421 R322AE
A study of the photoperiodic reaction in the ant Myrmica rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. Kipyatkov, V YE *Entomol Rev* 53 (3): 35-41. Ref. July/Sept 1974 Trans 1975

421 R322AE
Preimaginal morphology of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. (Diptera, Tabanidae). Terteryan, A YE *Entomol Rev* 53 (3): 42-51. Ref. July/Sept 1974 Trans 1975

421 R322AE
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. Geyspits, K F; Glinyanaya, YE I; Sapozhnikova, F D *Entomol Rev* 53 (3): 27-34. Ref. July/Sept 1974 Trans 1975

448.3 M582AE
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. Gusteleva, L A *Microbiology* 44 (1): 36-38. Jan/Feb 1975

QH431.A1G43
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. Kirsanova, R V; Usenko, L I *Sov Genet* 10 (7): 886-890. Ref. July 1974 (Transl. 1976)

QH431.A1G43
Influence of boron on the development of puffs in the polytene chromosomes of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. Drozdovskaya, L N *Sov Genet* 10 (5): 601-607. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Influence of sodium arsenate on the polytene chromosomes of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. Drozdovskaya, L N; Rapoport, I A *Sov Genet* 10 (5): 608-614. Ref. May 1974 Transl. Nov 1975

QH431.A1G43
Investigation of neguvon resistance in a laboratory-selected strain of Musca domestica L. Dobreva, E I *Sov Genet* 10 (2): 216-219. Feb 1974 (Transl. 1975)

QH431.A1G43
Investigation of synchronous and parallel changes in the gene pools in natural populations of the fruit fly Drosophila melanogaster. Golubovskii, M D; Ivanov, YU N; Zakharov, I K; Berg, R L *Sov Genet* 10 (4): 469-477. Map. Ref. April 1974 (Transl. 1975)

QH431.A1G43
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. I. Relative viability of the genotypes. Shilenko, B V *Sov Genet* 10 (3): 337-343. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. II. Dynamics of the gene and genotypic frequencies. Shilenko, B V *Sov Genet* 10 (4): 478-485. April 1974 (Transl. 1975)

QH431.A1G43
Morphogenetic mosaicism with respect to the homoeotic mutation "aristapedia" in Drosophila melanogaster. Ginter, E K; Ivanov, V I; Mglinets, V A *Sov Genet* 10 (3): 330-336. Ref. Mar 1974 (Transl. 1974)

QH431.A1G43
Puff size variability in Drosophila melanogaster. Belyaeva, E S; Zhimulev, I F *Sov Genet* 10 (5): 615-620. Ref. May 1974 Transl. Nov 1975

QH491.S66
Boris L'vovich Astaurov (1904-1974) [Entomologists]. Rokitskii, P F *Sov J Dev Biol* 5 (6): 481-484. Nov/Dec 1974 (Transl 1975)

QH491.S66
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. Leibovich, B A; Belyaeva, E S; Zhimulev, I F *Sov J Dev Biol* 5 (6): 485-495. Ref. Nov/Dec 1974 (Transl 1975)

QH491.S66
Influence of a prolonged thermal influence on the activity of the polytene chromosomes of the salivary glands of Drosophila melanogaster. Drozdovskaya, L N *Sov J Dev Biol* 6 (1): 81-84. Ref. Jan/Feb 1975

QH491.S66
Influence of alpha- and beta-ecdysone on the differentiation of the imaginal disks of Drosophila melanogaster, culturedin vitro. Mukhovatova, L M; Kakpakov, V T *Sov J Dev Biol* 6 (1): 67-72. Ref. Jan/Feb 1975

QH491.S66
Interaction of the homeotic aristapedia and polycomb mutations in the ontogenesis of Drosophila melanogaster. Bulyzhenkov, V E; Ginter, E K; Ivanov, V I *Sov J Dev Biol* 5 (6): 559-565. Ref. Nov/Dec 1975 (Transl 1975)

QH491.S66
Morphofunctional state of principal organ system, life span, and fertility in the domestic cricket Acheta domestica during normal imaginal development and after allatectomy. Chudakova, I V; Bocharova-Messner, O M; Romashkina, M P *Sov J Dev Biol* 6 (1): 17-25. Ref. Jan/Feb 1975

QH491.S66
Nuclear structures in the ovarioles of the moth Laspeyresiapomonella sex chromatin in trophocytes. Gruzova, M N *Sov J Dev Biol* 5 (6): 548-558. Ref. Nov/Dec 1974 (Transl 1975)

QH491.S66
Somatic polyploidy in tissue development [Insects]. Brodskii, V YA; Uryvaeva, I V *Sov J Dev Biol* 5 (6): 525-534. Ref. Nov/Dec 1974 (Transl 1975)

QH491.S66
The endocrine glands of Chironomus thummi Kief. During larval development and metamorphosis. Kiknadze, I I; Panova, T M; Novak, V YA A *Sov J Dev Biol* 6 (1): 8-16. Ref. Jan/Feb 1975

TAXONOMIC ENTOMOLOGY

421 R322AE
A new species of the genus Blaps [balashovi] Fabr. (Coleoptera, Tenebrionidae) from Turkmenia. Bogachev, A V; Medvedev, G S *Entomol Rev* 53 (3): 115-116. July/Sept 1974 Trans 1975

421 R322AE
A new weevil of the genus Dorytomus [kerzhneri] Germ. (Coleoptera, Curculionidae) from the USSR. Yegorov, A B; Korotyayev, B A *Entomol Rev* 53 (3): 132-133. July/Sept 1974 Trans 1975

421 R322AE
A review of the leaf beetles of the genus Pachybrachys Redt. (Coleoptera, Chrysomelidae) of Soviet Central Asia and Kazkhstan. Lopatin, I K *Entomol Rev* 53 (3): 120-127. July/Sept 1974 Trans 1975

421 R322AE
A review of the weevils of the tribe Cyphicerini (Coleoptera, Curculionidae) in the USSR. Nasreddinov, Kh A *Entomol Rev* 53 (3): 128-131. Ref. July/Sept 1974 Trans 1975

421 R322AE
A review of the subfamilies of the Oecophoridae (Lepidoptera) of Europe. L'vovskiy, A L *Entomol Rev* 53 (3): 134-145. Ref. July/Sept 1974 Trans 1975

421 R322AE
Beetles (Coleoptera) from nests of small mammals of Donetsk province. Medvedev, S I; Sklyar, V YE *Entomol Rev* 53 (3): 52-59. Ref. July/Sept 1974 Trans 1975

421 R322AE
Chloropidae (Diptera) of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. Narchuk, E P *Entomol Rev* 53 (3): 152-157. Ref. July/Sept 1974 Trans 1975

421 R322AE
Grasshoppers of the genus Dociostaurus Fieb. (Orthoptera, Acrididae). II. Mishchenko, L L *Entomol Rev* 53 (3): 74-83. Ref. July/Sept 1974 Trans 1975

421 R322AE
On ecological and zoogeographical characteristics of beetles of the family Coccinellidae (Coleoptera) on the left-bank (eastern) Ukraine. Mizer, A V *Entomol Rev* 53 (3): 60-66. July/Sept 1974 Trans 1975

421 R322AE
Proposals on the classification and nomenclature of ranges [Biogeographical regions, entomology]. Yemel'yanov, A F *Entomol Rev* 53 (3): 11-26. Maps. Ref. July/Sept 1974 Trans 1975

421 R322AE
Revision of the genus Heliococcus Sulc (Homoptera, Coccoidea) in the Soviet fauna. II. Bazarov, B B *Entomol Rev* 53 (3): 97-114. July/Sept 1974 Trans 1975

421 R322AE
The discovery of a member of the peculiar family Nymphomyiidae (Diptera) in the Maritime Territory [USSR]. Rodendorf, B B; Kalugina, N S *Entomol Rev* 53 (3): 146-151. Ref. July/Sept 1974 Trans 1975

421 R322AE
The leaf-eating microlepidoptera of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. Nguen Van Doai, *Entomol Rev* 53 (3): 67-73. Ref. July/Sept 1974 Trans 1975

421 R322AE
Thrips (Thysanoptera) of the Crimean fauna. II. Derbeneva, N N *Entomol Rev* 53 (3): 84-96. July/Sept 1974 Trans 1975

421 R322AE
Two new species of longicorn beetles [Xylotrechus arnoldii, Asias galusoi] (Coleoptera, Cerambycidae) from Kazakhstan. Kostin, I A *Entomol Rev* 53 (3): 117-119. July/Sept 1974 Trans 1975

SOIL SCIENCE

QH345.A1P73
A method for separation of slow-growing strains of nocule bacteria [Rhizobium lupini] from their mucus. Starchenko, E P; Datsenko, V K; Yakovleva, N S *Appl Biochem Microbiol* 10 (2): 264-265. Mar/Apr 1974 Transl. 1975

S599.U4A352
Bibliography of the basic works on soil science of I. P. Gerasmov. *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 295-313. Ref. 1975

S599.U4A352
Brown forest and Brown pseudopodzolic soils of the Soviet Union. Zonn, S V *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 21-58. Ref. 1975

S599.U4A352
Distribution of mountain soils and some characteristics of their genesis and classification. Rozov, N N *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 245-260. 1975

S599.U4A352
Investigations conducted by I. P. Gerasimov in the field of soil science. Fridland, V M *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 1-20. Ref. 1975

S599.U4A352
North Atlantic facies of the turf subarctic and illuvial-humus-Podzol soils. Glazovskaya, M A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 261-294. Ref. 1975

S599.U4A352
Pseudopodzolic soils of Ukrainian Carpathian oblast. Gerasimova, M I *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 138-155. Ref. 1975

S599.U4A352
Soil relict and late holocene tectonic movement in the north-Crimean lowland. Blagovolin, N S *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 232-244. Map. Ref. 1975

S599.U4A352
Soils of High Caucasus mountains. Fridland, V M *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 59-120. Ref. 1975

S599.U4A352
Taiga soils of Priamur. Liversovskii, YU A; Rubtsova, L P *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 206-231. Map. Ref. 1975

S599.U4A352
Turf-taiga (frozen-gley) soils. Erokhina, A A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 176-205. 1975

S599.U4A352
Two types of soils developed over the reddish weathering crust of the western part of Georgian SSR. Romashkevich, A I *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 121-137. Ref. 1975

448.3 M582AE
A new yeast species from the soil—Candida podzolica sp. N. Bab'eva, I P; Reshetova, I S *Microbiology* 44 (2): 294-298. Ref. Mar/Apr 1975

448.3 M582AE
On the development of nodular bacteria [Rhizobium leguminosarum, Rhizobium lupini] in the soil. Koleshko, O I *Microbiology* 44 (2): 291-293. Ref. Mar/Apr 1975

448.3 M582AE
Reaction of soil microflora [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. Oleinikov, R R; Strekozov, B P; Garnicheva, Z D *Microbiology* 44 (1): 122-124. Ref. Jan/Feb 1975

448.3 M582AE
True waxes of Saprophytic mycobacteria [isolated from various soils]. Koronelli, T V; Bis'ko, N A; Rozynov, B V *Microbiology* 44 (1): 59-61. Jan/Feb 1975

448.3 M582AE
Use of gamma-irradiation of soil for an analysis of the composition of microbial communities. Shcherbakova, T A; Nikitin, D I; Volkovskaya, N G *Microbiology* 44 (2): 287-290. Mar/Apr 1975

385 Z66AE
Kinetic determination of iodides in soil. Yasinskene, E I; Umbrazhyunaite, O P *Russ J Inorg Chem* 30 (5, Pt. 2): 807-810. May 1975

QH540.E32
Temperature regime and [soil] moisture-content dynamics of Sierozems in the semisavannahs of southern Tadzhikistan. Popov, K P *Sov J Ecol* 6 (1): 55-61. Ref. Jan/Feb 1975

57.8 P34AE
Accumulation and mineralization of crop residues in dark Chestnut soil. Roktanen, L S; Karamshuk, Z P *Sov Soil Sci* 7 (3): 300-304. May/June 1975

57.8 P34AE
Agrochemical characteristics and water-physical properties of Tatar Chernozems on limestone. Vinokurov, M A; Koloskova, A V *Sov Soil Sci* 7 (2): 138-146. Mar/Apr 1975

57.8 P34AE
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. Dolgova, L G *Sov Soil Sci* 7 (2): 220-225. Ref. Mar/Apr 1975

57.8 P34AE
Biochemical investigation of peat humic acids. Dragunov, S S; Kablova, N G *Sov Soil Sci* 7 (3): 339-344. May/June 1975

57.8 P34AE
Boron in the plow layer of soils in the European USSR. Zyrin, N G; Zborischchuk, YU N *Sov Soil Sci* 7 (3): 330-338. Ref. May/-June 1975

57.8 P34AE
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of thick Chernozem in the western forest steppe of the Ukraine. Mamontov, V T *Sov Soil Sci* 7 (2): 173-181. Ref. Mar/Apr 1975

57.8 P34AE
Characteristics of some Solonetz complexes in the Dark-Chestnut subzone of Kustanay oblast. Novikova, A F *Sov Soil Sci* 7 (2): 147-158. Ref. Mar/Apr 1975

57.8 P34AE
Combined investigation of the thermophysical and electrophysical properties of porous media. Globus, A M; Aref'yev, A V *Sov Soil Sci* 7 (3): 355-358. May/June 1975

57.8 P34AE
Content and some properties of concretions in the Podzolic soils of the central taiga subzone of the Komi ASSR. Rusanova, G V; Tsypanova, A N; Bushuyeva, YE N *Sov Soil Sci* 7 (3): 272-280. Ref. May/June 1975

57.8 P34AE
Determination of the wilting [soil] moisture for grapevine. Akopyan, G A; Oganyan, E A; Gabriyelyan, A G *Sov Soil Sci* 7 (2): 234-237. Mar/Apr 1975

57.8 P34AE
Determination of the composition of adsorbed bases in saline soils. Molodtsov, V A; Ignatova, V P *Sov Soil Sci* 7 (3): 364-367. May/June 1975

57.8 P34AE
Determination of molecular nitrogen in studying gaseous losses. Makarov, B N *Sov Soil Sci* 7 (3): 368-370. May/June 1975

57.8 P34AE
Distribution of manganese-oxidizing microorganisms [Metallogenium] in soils. Bolotina, I N; Mirchink, T G *Sov Soil Sci* 7 (3): 325-329. May/June 1975

57.8 P34AE
Effect of salinity and solonetzicity on the composition of humus and some properties of humic acids in Kazakhstan Chernozems. Kiryushin, V I; Lebedeva, I N *Sov Soil Sci* 7 (2): 204-214. Ref. Mar/Apr 1975

57.8 P34AE
Evolution of Chernozems under the effect of human activity. Bruk, M S *Sov Soil Sci* 7 (2): 129-137. Ref. Mar/Apr 1975

57.8 P34AE
Experiment in genetic diagnosis of the soils of the USSR on the basis of elementary soil processes. Gerasimov, I P *Sov Soil Sci* 7 (3): 257-263. May/June 1975

57.8 P34AE
Genetic and chemical characteristics of Meadow Gley soils in the rice fields of Primor'ye. Kostenkov, N M *Sov Soil Sci* 7 (3): 291-299. Ref. May/June 1975

57.8 P34AE
Identification of Cinnamon-Brown soils in Krasnodar Kray. Zhukov, A I *Sov Soil Sci* 7 (3): 264-271. Ref. May/June 1975

57.8 P34AE
Investigations of a model of the system montmorillonite + water-soluble organic substances [Soil formation]. Stepanov, I S; Zatsepina, L N *Sov Soil Sci* 7 (2): 226-233. Ref. Mar/Apr 1975

57.8 P34AE
Methods for determining biological energy balances of soil organic matter. Aliyev, S A *Sov Soil Sci* 7 (2): 238-243. Ref. Mar/Apr 1975

57.8 P34AE
Micromorphology of Sod-Podzolic soils on a moraine and on mantle loam. Yarilova, YE A; Rubilina, N YE *Sov Soil Sci* 7 (3): 281-290. Ref. May/June 1975

57.8 P34AE
Mineral composition and age of a three-storied soil on the sands of the Don Steppe. Gayel', A G; Grishchenko, M N; Khabarov, A V *Sov Soil Sci* 7 (3): 345-354. Ref. May/-June 1975

57.8 P34AE
Nature of exchange and hydrolytic soil acidities. Krupskiy, N K; Aleksandrova, A M; Daragan, YU A *Sov Soil Sci* 7 (2): 199-203. Ref. Mar/Apr 1975

57.8 P34AE
Nature of indole-oxidizing agents in Chernozem. Medvedev, V A; Lipnitskaya, G P; Sheynkman, A K; Davydov, V D *Sov Soil Sci* 7 (2): 182-188. Ref. Mar/Apr 1975

57.8 P34AE
Nature of the biogenous accumulation of microelements in forest litters. Dolobovskaya, A S *Sov Soil Sci* 7 (2): 189-198. Ref. Mar-/Apr 1975

57.8 P34AE
Relation between the agrochemical properties of soils, their content of nonexchangeable ammonium and its fixation capacity. Kudeyarov, V N; Bashkin, V N *Sov Soil Sci* 7 (2): 159-164. Ref. Mar/Apr 1975

57.8 P34AE
Role of microorganisms in the mobilization and fixation of iron in soils. Aristovskaya, T V *Sov Soil Sci* 7 (2): 215-219. Ref. Mar/Apr 1975

57.8 P34AE
Size and dynamics of the yield of crops under rotation with long-term use of fertilizers. Kudzin, YU K; Sukhobrus, S V; Stepanenko, A YA *Sov Soil Sci* 7 (2): 165-172. Ref. Mar-/Apr 1975

57.8 P34AE
Specific ultimate strength of the soil structure. Minkin, M B; Buravchuk, N I; Avdeyev, M N; Ostrikov, M S *Sov Soil Sci* 7 (3): 359-363. May/June 1975

SOIL IMPROVEMENT MATERIALS

S599.U4A352
Soil cover characteristics in the forest zone of West Siberian plain. Ufimtseva, K A *In Genesis and Geography of Soils. S. V. Zonn & V. M. Fridland, eds.* P. 156-175. Ref. 1975

448.3 M582AE
Effect of mineral and organic fertilizers on the development of algae in a sod-podzolic soil. Balezina, L S *Microbiology* 44 (2): 306-309. Mar/Apr 1975

57.8 P34AE
Effect of soil organic matter and of organic fertilizers on the mobility of radiostrontium and its availability to plants. Kvartskhelia, N T; Gamazova, YE K; Labadze, N A *Sov Soil Sci* 7 (3): 305-313. Ref. May/June 1975

57.8 P34AE
Molybdenum in the soils of Andizhan oblast and prospects for using molybdenum micronutrients [Irrigation]. Dekhkankhodzhayeva, S Kh; Kruglova, YE K *Sov Soil Sci* 7 (3): 314-320. May/June 1975

57.8 P34AE
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy loam soil. Koren'kov, D A; Romanyuk, L I; Varyushkina, N M; Kirpaneva, L I *Sov Soil Sci* 7 (2): 244-249. Ref. Mar/Apr 1975

SOIL RESOURCES AND MANAGEMENT

57.8 P34AE
Microbiological characteristics of the eroded Chestnut soils of Buryatia. Nimayeva, S Sh; Namzhilov, N B; Petrova, A S *Sov Soil Sci* 7 (3): 321-324. May/June 1975

GEOGRAPHIC INDEX

Afghanistan 031505, 035972, 039278
Africa 031798, 031825, 031899, 034084, 035503, 036080, 036247, 037994, 037996, 039401, 039465, 040101, 040128, 040133, 040168, 040253, 040254, 040963, 040970, 040976, 041228
Alabama 031046, 031170, 031465, 033358, 040949, 041662
Alaska 035613, 036190
Algeria 031014, 033677, 040079
America 031868, 035026, 036637, 041553
Antarctica 032195
Antartica 036199
Argentina 031151, 031546, 031782, 031785, 033606, 038459, 038936, 038937, 039179, 040144
Arizona 031004, 038173, 038377, 041201, 041382, 041661
Arkansas 031023, 031024, 031235, 031428, 032948, 035560, 038268
Asia 031825, 035952, 035953, 036160, 039981, 039995, 040164, 041160
Australia 031008, 031304, 031372, 031441, 031600, 031946, 032244, 032937, 034563, 035211, 035482, 035965, 035971, 036015, 036023, 036042, 036063, 036064, 036065, 036107, 036114, 036121, 036210, 036226, 036245, 037036, 037358, 037891, 037975, 039109, 039209, 039268, 039441, 039483, 039630, 039631, 039632, 039634, 039678, 039984, 039985, 039986, 039987, 039989, 039990, 039991, 040080, 040170, 040454, 040905, 040933, 041235, 041246, 041288, 041435, 041492
Australian 031228
Austria 031038, 031050, 031053, 031232, 031234, 031244, 031404, 031405, 031517, 031587, 031594, 031770, 031771, 031818, 031819, 031820, 031823, 032136, 033301, 033433, 033622, 034360, 035520, 035550, 035696, 035697, 036198, 037597, 038176, 039074, 039377, 040156, 040934, 040935
Bahamas 035918, 035945, 035948, 037077, 040121
Bangladesh 031564, 031601
Belgium 031117, 031268, 031494, 031509, 031560, 031923, 034993, 036072, 036236, 038430, 040514
Belium 031495
Boliva 036146
Bolivia 031794, 036145
Borneo 038423, 038424
Brazil 031022, 031030, 031096, 031265, 031434, 031503, 031557, 031558, 031582, 031598, 031721, 031795, 031796, 031912, 032130, 032259, 033023, 033194, 036105, 036400, 036402, 037962, 037984, 037985, 038005, 038962, 040152, 040246, 040683, 041361
British Honduras 040038
Bulgaria 031283, 031319, 031602, 033374, 033463, 034874, 036010, 036011, 036012, 036208, 036471, 037408, 037409, 037551, 037722, 037725, 037726, 037829, 038037, 038130, 038135, 038136, 038607, 038633, 038859, 039998, 040004, 040750, 041032, 041033, 041036, 041401
Burma 036039
California 031141, 035694, 035920, 036047, 036052, 036055, 036058, 036059, 036949, 036950, 037987, 038280, 038377, 038378, 038767, 038855, 038965, 038966, 039267, 039323, 040003, 041048, 041373, 041377, 041380, 041382, 041384, 041410, 041473
Cameroon 038622, 038951, 040565
Canada 031028, 031155, 031156, 031157, 031158, 031193, 031252, 031437, 031453, 031561, 031562, 031603, 031652, 031977, 032034, 032301, 032333, 033616, 035396, 035397, 035401, 035470, 035480, 035609, 035711, 035714, 035742, 035781, 035834, 035849, 035995, 036073, 036074, 036186, 036191, 036536, 036859, 037130, 038103, 038162, 038415, 038439, 038440, 038442, 038444, 038871, 038959, 038967, 038974, 039106, 039152, 039153, 039168, 039353, 039354, 039355, 039603, 039663, 039666, 039857, 040043, 040126, 040286, 040512, 040632, 040806, 041059, 041283, 041293, 041307, 041308, 041309, 041332, 041337, 041590, 041591, 041595, 041612
Canary Islands 036076, 036333, 041354
Cape Verde Islands 036333
Caroline Islands 035963
Central African Republic 038971, 040953
Chile 031098, 031783, 031784, 031970, 032312, 038153, 040145, 040615
China 035910, 036038, 038183, 038395, 040898
Colombia 031233, 031728, 031913, 031914, 031915, 036119, 040612, 040692, 040693, 040694, 041173, 041458
Colorado 035563, 040677, 041201, 041205, 041375, 041379
Connecticut 031141, 041657
Costa Rica 035947, 036261, 037963, 039706, 040045, 040119, 040147
Cuba 033509, 035993, 039365, 040121, 040555, 040611
Czechoslovakaia 039605
Czechoslovakia 031017, 031018, 031019, 031225, 031257, 031385, 031386, 031924, 031926, 031927, 032138, 032139, 032141, 032142, 032143, 033684, 034553, 034856, 034858, 034937, 034938, 034945, 034946, 034950, 035223, 035224, 035225, 035226, 035227, 035228, 035229, 035230, 035260, 035262, 035263, 035264, 035265, 035268, 035373, 035383, 035451, 035452, 035453, 035766, 036209, 036830, 037959, 038040, 038282, 038407, 038495, 038538, 039455, 039472, 039980, 040150, 040219, 040298, 040309, 040310, 040391, 040451, 040452, 040482, 040558, 040569, 040987, 041227, 041311, 041403
Czechoslovalia 031925
Czechosovakia 032140, 034518, 034947, 034952, 040303
Delaware 031211, 031745, 036172, 038445, 039709, 041545
Denmark 031363, 031378, 031476, 031570, 031576, 031604, 031940, 032916, 033611, 033683, 035170, 035538, 035539, 035734, 036508, 038167, 039067, 039494, 040081
District Of Columbia 041680
East Africa 033364, 036085, 036089, 036092, 036161, 039148
El Salvador 040147
England 031075, 031077, 031101, 031202, 031305, 031307, 031501, 031522, 032135, 032187, 032731, 032981, 033286, 034703, 035526, 035551, 035909, 036003, 036153, 036179, 036223, 036225, 037471, 037496, 038287, 038388, 038747, 039414, 039720, 039723, 040009, 040012, 040013, 040017, 040027, 040030, 040032, 040035, 040062, 040083, 040094, 040356, 040664, 041248
Ethiopia 031251, 036084, 040100, 040122
Europe 031047, 031057, 031161, 031351, 031356, 031403, 031475, 031513, 031528, 031530, 031541, 031573, 031610, 031616, 031651, 031658, 031679, 031690, 031691, 031717, 031735, 031762, 031772, 031786, 031787, 031812, 031822, 031826, 031864, 031865, 031896, 032007, 032755, 032880, 032881, 032882, 032998, 033007, 033008, 033233, 033540, 033648, 034569, 035553, 035689, 035720, 036014, 036078, 036120, 036148, 038386, 038399, 039190, 039363, 039457, 039604, 039623, 040005, 040067, 040089, 040206, 040468, 041162, 041480, 041538, 041559
Far East 037856
Finland 031853, 032688, 033560, 034495, 035502, 035618, 035684, 036194, 040129, 040131, 040132, 040629
FLorida 031165, 031279, 034350, 034593, 034594, 036417, 038249, 038964, 040895, 041297, 041487
France 030994, 030995, 031060, 031370, 031423, 031571, 031595, 031659, 031716, 031718, 031769, 031781, 031807, 031923, 032986, 033450, 033451, 033452, 033453, 033500, 033510, 034875, 035541, 035931, 036046, 036171, 037907, 037944, 038101, 038102, 038105, 038263, 038288, 038289, 038381, 038461, 039157, 039257, 039436, 040528, 040529, 040550, 041239, 041240, 041636, 041638
French Guiana 035542, 041148
Gabon 035528
Geramny (Federal Republic) 031682
Germany 039810
Germany (Democratic Republic) 031055, 031102, 031169, 031183, 031190, 031237, 031248, 031284, 031285, 031287, 031288, 031289, 031316, 031318, 031323, 031329, 031330, 031332, 031333, 031336, 031337, 031338, 031339, 031340, 031341, 031379, 031380, 031472, 031685, 031773, 031793, 031814, 031827, 033098, 033554, 033579, 033668, 033672, 034496, 034832, 034915, 034925, 035153, 035578, 035772, 038009, 038010, 038012, 038285, 038307, 038308, 038313, 038314, 038315, 038317, 038318, 038322, 038323, 038324, 038326, 038465, 038982, 040167, 040320, 040321, 040414, 040429, 040448, 040910, 040919, 040936, 040939, 040988, 041003, 041152, 041165, 041357
Germany (Demoratic Republic) 035152
Germany (Federal Republic) 031048, 031049, 031051, 031052, 031054, 031055, 031058, 031059, 031061, 031062, 031063, 031162, 031163, 031171, 031172, 031173, 031174, 031175, 031176, 031178, 031181, 031184, 031185, 031186, 031187, 031188, 031191, 031192, 031239, 031346, 031358, 031408, 031410, 031412, 031431, 031438, 031485, 031486, 031520, 031521, 031590, 031653, 031654, 031655, 031656, 031681, 031684, 031699, 031700, 031701, 031761, 031793, 031911, 031923, 032000, 032026, 032046, 032047, 032048, 032049, 032050, 032120, 033001, 033004, 033070, 033235, 033355, 033428, 033430, 033500, 033615, 034530, 034531, 036045, 038283, 038373, 038402, 038408, 038829, 039075, 039085, 039189, 039195, 039371, 039373, 039626, 040078, 040183, 040202, 040207, 040230, 040231, 040394, 040396, 040681, 040849, 041116, 041291, 041314, 041416, 041441, 041443, 041444, 041448, 041449, 041450, 041451, 041456, 041457, 041618, 041619, 041620, 041621, 041674, 041676, 041679
Ghana 039745, 040642, 040968
Great Britain 031029, 031070, 031071, 031073, 031076, 031360, 031554, 031691, 031694, 031817, 031848, 032077, 032811, 033047, 033500, 036197, 036219, 037978, 038360, 038425, 038489, 038820, 038901, 038948, 039704, 040010, 040011, 040015, 040028, 040034, 040036, 040061, 040092, 040457, 040535, 040907, 041422
Greece 031231, 031854, 031919, 032995, 034828, 038333, 038628, 039374
Guatemala 032257, 032262, 040148
Guinea 036034
Guyama 038780
Haiti 032266, 040121
Hawaii 038354, 038483, 040085, 041177, 041304, 041393
Hungary 031050, 031104, 031118, 031297, 031462, 031574, 031763, 031805, 032028, 032484, 032788, 033083, 033635, 033657, 034550, 035065, 035543, 035545, 035738, 037999, 038000, 038221, 038284, 038945, 039249, 040112, 040113, 040991, 041499
Iceland 041146
Idaho 035500, 040761, 041306, 041383
Illinois 031516, 031743, 033240, 040369, 041348
India 031021, 031040, 031041, 031042, 031043, 031045, 031078, 031082, 031084, 031085, 031110, 031240, 031281, 031300, 031309, 031313, 031314, 031448, 031449, 031464, 031468, 031469, 031496, 031659, 031660, 031661, 031662, 031663, 031707, 031758, 031803, 031813, 031829, 031830, 031832, 031833, 031834, 031835, 031850, 031851, 031902, 031922, 032058, 032418, 032730, 032782, 033282, 033357, 033393, 033512, 033623, 034390, 034633, 034779, 035079, 035086, 035186, 035552, 035998, 035999, 036000, 036024, 036026, 036027, 036030, 036031, 036079, 036081, 036165, 036174, 036491, 036498, 037970, 038008, 038017, 038018, 038024, 038029, 038035, 038083, 038374, 038375, 038437, 038601, 038615, 038643, 038644, 038649, 038658, 038659, 038660, 038667, 038670, 038671, 038688, 038691, 038700, 038702, 038709, 038722,

038748, 038749, 038779, 038782, 038987, 038998, 038999, 039004, 039038, 039148, 039163, 039166, 039275, 039286, 039427, 039434, 039454, 039462, 039463, 039531, 039543, 039551, 039727, 039997, 040033, 040041, 040115, 040125, 040247, 040398, 040560, 040577, 040616, 040657, 040658, 040866, 040920, 040925, 040929, 040945, 040946, 040982, 040985, 041150, 041174, 041231, 041280, 041523
Indiana 038363
Indonesia 035916, 038276, 038543, 039148, 039238, 040154, 040734
Iowa 031088, 031217, 031218, 031219, 031220, 031221, 031222, 031223, 031224, 031674, 035678, 035679, 035680, 041043, 041370, 041372, 041399, 041607
Iran 033419, 033870, 035997, 037727, 038932, 039519, 040175, 040759, 040924
Ireland 031216, 031848, 036192, 036490, 039419, 039705, 040350, 041149
Israel 031198, 031199, 031623, 031624, 031857, 032978, 033454, 035774, 036404, 038020, 038380, 039281, 039292, 040090, 040228, 041042, 041508
Italy 031011, 031012, 031013, 031089, 031091, 031092, 031093, 031152, 031153, 031154, 031253, 031254, 031256, 031420, 031422, 031427, 031529, 031531, 031532, 031533, 031549, 031675, 031764, 031775, 031776, 031778, 031780, 031787, 031860, 031863, 032107, 032173, 032339, 032390, 032938, 032990, 033144, 033197, 033366, 033368, 033455, 033601, 033637, 033730, 034286, 034655, 034933, 034983, 035102, 035221, 035457, 035474, 035475, 035513, 035554, 035640, 035655, 035719, 035788, 035908, 035957, 035958, 035959, 035960, 036016, 036017, 036018, 036019, 036558, 037351, 037971, 038044, 038045, 038046, 038233, 038234, 038235, 038236, 038237, 038362, 038382, 038383, 038384, 038385, 038464, 038540, 038723, 038726, 038728, 038915, 039012, 039338, 039340, 039412, 039442, 039553, 040486, 040487, 040567, 040662, 040861, 041164, 041224, 041225, 041226, 041340, 041346, 041349, 041478, 041484, 041503, 041601
Ivory Coast 031068, 031069, 035702, 038621, 040956, 040957, 040958, 040960
Jamaica 040121, 041665
Japan 031108, 031259, 031357, 031371, 031425, 031548, 031680, 031722, 031861, 031971, 032110, 032115, 032116, 033134, 033353, 033499, 034090, 034269, 034349, 034554, 034556, 034706, 034709, 034880, 035120, 035305, 035306, 035465, 035531, 035532, 035533, 035568, 035638, 035639, 035720, 035990, 036002, 036035, 036037, 036041, 036106, 036205, 036206, 036244, 036326, 036581, 037961, 038052, 038273, 038396, 038401, 038613, 038737, 038813, 038881, 039022, 039047, 039999, 040000, 040001, 040105, 040106, 040490, 040491, 040680, 040712, 041145, 041355
Kansas 035951, 036134, 041397
Kentucky 031001, 035955
Kenya 030997, 031605, 031808, 035025, 035028, 035484, 036147, 036217, 036626, 038823, 039511, 041645
Kuwait 036154, 040926
Latin America 031572, 032043, 033525, 034974
Liechtenstein 041611
Louisiana 031275, 031439, 031440, 031482, 031569, 034719, 034726, 034735, 035560, 035950, 038078, 041237, 041389, 041486
Luxembourg 036072
Malagasy Republic 037966, 040964
Malaysia 031146, 031606, 035525, 035599, 035600, 035601, 035602, 035673, 035674, 035832, 035833, 036060, 036104, 037930, 039238, 039397, 039398, 040025, 040104, 041109, 041110
Maryland 031209, 037096, 038972, 041365
Massachusetts 032679, 041548
Mauritania 039333
Mexico 031016, 031930, 035994, 036048, 036049, 036103, 036263, 037983, 038377, 039982, 040037, 040042, 040191
Michigan 031197, 031212, 031230, 040162, 040772, 041549
Minnesota 031444, 031445, 031447, 035942, 039036, 041585
Mississippi 031125, 035560, 036020, 041371, 041386, 041394, 041625, 041650
Missouri 040226, 040383, 040669, 041370, 041372
Mongolia 033548, 034900, 036007
Montana 035564, 035657, 036212
Morocco 031607, 036999
Mozambique 041493
Nebraska 031500, 031765, 036134, 038093, 038094, 040670, 041298, 041320
Netherlands 031168, 031187, 031261, 031262, 031353, 031477, 031478, 031553, 031704, 031791, 031859, 031923, 032470, 032474, 032475, 032715, 032716, 033002, 033500, 034329, 034929, 035213, 035565, 035677, 036021, 036619, 036962, 036964, 037929, 038402, 038426, 038516, 038857, 039191, 040498, 040500, 040502, 040503, 040570, 041284, 041286, 041437, 041514
Nevada 031164, 036242, 041382
New England 035919
New Hampshire 036136, 036137, 039453, 041570
New Hebrides 039443
New Jersey 039017, 041334, 041476
New Mexico 038173, 041179, 041201, 041605
New York 035907, 037154, 038879, 039018, 041293, 041472, 041474, 041657, 041658
New Zealand 031112, 031113, 031207, 031361, 031492, 031499, 031688, 031897, 033631, 033653, 034760, 035163, 035468, 035469, 035547, 035835, 035926, 036015, 036063, 036066, 036067, 036068, 036069, 036070, 036071, 036235, 037487, 037488, 038290, 038928, 038929, 039041, 039295, 040699, 040700, 040701, 040703, 040704, 041362, 041363, 041522, 041616
Nicaragua 035557
Nigeria 031703, 034994, 035023, 035683, 036980, 038795, 040641, 040646, 040971, 040977, 040995, 041046
North America 035954, 036148, 038299, 038396, 040056, 040631
North Carolina 040779, 040780, 041424
North Dakota 031359, 031744, 038255, 040697, 041200
Northern Ireland 031417, 031418, 035629, 037950, 037974
Norway 031037, 031106, 031291, 031293, 031294, 031295, 031296, 031354, 031457, 031458, 031459, 031480, 031481, 031617, 031618, 031619, 031620, 031621, 031622, 031815, 031828, 031893, 031969, 032123, 033101, 035523, 035524, 035570, 035793, 035841, 035912, 035928, 035968, 035969, 036077, 036083, 036087, 036090, 036091, 036138, 036193, 036237, 036238, 037255, 037494, 038331, 038417, 038418, 038419, 038742, 040214, 041613
Oceania 036015, 040104
Ohio 031229, 031726, 034769, 035175, 035955, 036096, 036241, 037145, 039242, 039474, 039495, 040764, 040765, 040786
Oklahoma 031502, 036453, 038157, 038457, 041202, 041369
Oregon 031732, 038252
Pakistan 033142, 038231, 038778, 039241, 039252, 039357, 040857
Panama 039480, 040040
Papua New Guinea 040120, 040171, 040227
Pegram, P 032884
Pennsylvania 035991, 035992, 037245, 039301, 041426, 041476
Peru 037799
Philippine Islands 031094, 031095, 031200, 031325, 031470, 031471, 031980, 033630, 035760, 038050, 041023
Phillippine Islands 036036
Poland 031114, 031121, 031122, 031150, 031888, 032459, 034565, 034654, 034777, 034778, 035478, 035488, 035489, 035490, 035491, 035504, 035505, 035506, 035592, 035619, 035620, 035621, 035623, 035624, 035671, 035686, 035687, 035688, 035690, 035691, 035830, 035868, 035870, 035871, 035872, 035873, 036232, 036254, 036255, 036256, 036257, 036922, 037063, 037908, 037909, 037910, 038097, 038188, 038213, 038216, 038217, 038557, 038815, 039011, 039051, 039384, 039393, 039407, 039867, 039998, 041215, 041464, 041488
Portugal 035782, 035783, 035787
Portugal 031852
Puerto Rico 031213, 040088, 040488
Reunion 038300, 038301, 041229
Rhodesia 037918, 039842
Romania 031123, 031124, 031367, 031368, 031369, 031889, 031905, 031906, 031910, 032128, 032899, 033291, 038106, 038107, 038108, 038110, 038111, 038113, 038114, 038117, 038118, 038119, 038120, 038121, 038122, 038143, 038144, 039052, 039159, 039160, 039298, 040525, 041050, 041191, 041193, 041195, 041415, 041418, 041419
Ryukyu Islands 036038
Saudi Arabia 031599
Scandinavia 031109, 031364, 031920, 033618
Scotland 031306, 032982, 034775, 036033, 037038, 040024, 040029, 041351
Senegal 037965, 037967, 041140
Sierra Leone 040955
Sikkim 036582
Somali Republic 040614, 041454
South Africa 031729, 032010, 032131, 033246, 037981, 038092, 039139, 039470, 040096, 040097, 040098, 040102, 040103, 040130
South America 032135, 036608, 036699
South Carolina 031402, 038432, 038634, 039336, 039941
South Dakota 031026, 031027, 031128, 035890
Southeast Asia 035710, 038396, 040104, 040107, 040399
Spain 031534, 031537, 031538, 031856, 033496, 033602, 034552, 034877, 034878, 034879, 035027, 035782, 035783, 035934, 035935, 035936, 035937, 035938, 035939, 035940, 036046, 036259, 037956, 038240, 038241, 038242, 038278, 039311, 039977, 040155, 040158
Sri Lanka 036040, 039148, 040118, 040400, 040613
Sudan 031395, 033471, 033532, 037042, 040852
Surinam 031131, 031132, 031917, 031918, 038160, 038506, 040082, 040839, 041102
Sweden 031105, 031656, 031734, 032366, 032473, 032912, 034764, 034827, 035633, 035634, 035636, 035637, 036166, 036201, 036700, 037591, 038161, 038165, 038330, 038507, 041500
Switzerland 031056, 031656, 031862, 033081, 033465, 033467, 035630, 035659, 035933, 038337, 038460, 038479, 038480, 039346, 039363, 040291, 040341, 040364, 041158, 041554
Tahiti 040110
Taiwan 031236, 035612, 035682, 035859, 036038, 036125, 036126, 036353, 037028, 037031, 040343, 041429, 041430, 041431, 041604
Tanzania 036147, 038187, 040969
Tennessee 041664
Texas 030991, 035943, 036436, 038155, 038173, 039180, 041147, 041203
Thailand 034561, 035618, 039437, 040404, 040756, 040781, 040782
Togo 037995, 040903
Trinidad And Tobago 033518
Tunisia 039082
Turkey 031099, 031196, 033530, 039261
Uganda 038794
United Arab Republic 031419, 032929, 032931, 033318, 034265, 034551, 036556, 037135, 037195, 037953, 038152, 038232, 038757, 039262, 039308, 039948, 040553, 040859, 040906
United States 030999, 031000, 031002, 031005, 031006, 031015, 031020, 031136, 031137, 031138, 031140, 031142, 031148, 031149, 031260, 031365, 031394, 031414, 031450, 031518, 031583, 031584, 031585, 031586, 031593, 031599, 031613, 031614, 031625, 031627, 031628, 031629, 031630, 031631, 031632, 031633, 031634, 031635, 031636, 031637, 031638, 031639, 031641, 031642, 031643, 031644, 031645, 031665, 031666, 031671, 031677, 031678, 031687, 031702, 031710, 031711, 031712, 031714, 031715, 031721, 031728, 031742, 031790, 031802, 031810, 031836, 031837, 031840, 031858, 031900, 031901, 031907, 031930, 031931, 031942, 031981, 032064, 032145, 032302, 032308, 032354, 032358, 032394, 032403, 032515, 032517, 032520, 033121, 033544, 033652, 033654, 034451, 034580, 034781, 034782, 034783, 034784, 034785, 034870, 034982, 035052, 035476, 035479, 035480, 035494, 035537, 035556, 035558, 035559, 035562, 035606, 035614, 035615, 035720, 035727, 035892, 035917, 035921, 035946, 036050, 036057, 036167, 036252, 036537, 037556, 038103, 038148, 038175, 038183, 038359, 038415, 038477, 039065, 039222, 039258, 039276, 039446, 039591, 039620, 039787, 040123, 040181, 040190, 040385, 040512, 041143, 041178, 041183, 041184, 041204, 041313, 041318, 041331, 041332, 041368, 041432, 041475, 041547, 041551, 041557, 041566, 041568, 041569, 041575, 041633, 041682
Uruguay 039319
USSR 030993, 031006, 031100, 031135, 031180, 031205, 031238, 031277, 031278, 031299, 031322, 031326, 031344, 031345, 031355, 031374, 031375, 031376, 031387, 031388, 031389, 031390, 031391, 031392, 031393, 031396, 031397, 031398, 031400, 031454, 031474, 031504, 031510, 031511, 031512, 031612, 031741, 031767, 031779, 031804, 031806, 031890, 031891, 031892, 031894, 031921, 031928, 031936, 031937, 031938, 032146, 032493, 033309, 033464, 033472, 033478, 033481, 033584, 033655, 033666, 034178, 034435, 035017, 035219, 035233, 035256, 035473, 035486, 035487, 035492, 035509, 035511, 035571, 035572, 035573, 035575, 035576, 035580, 035584, 035586, 035587, 035589, 035591, 035595, 035597, 035628, 035666, 035669, 035672, 035800, 035805, 035914, 035915, 035917, 035922, 035932, 035966, 035967, 035973, 035976, 035981, 035982, 035983, 035984, 035986, 036062, 036140, 036141, 036142, 036169, 036170, 036180, 036181, 036183, 036185, 036188, 036189, 036196, 036203, 036249, 036250, 036253, 036484, 036654, 036832, 036840, 036842, 036843, 036844, 036871, 037002, 037270, 037341, 037376, 037377, 037603, 037896, 037897, 037899, 038039, 038064, 038065, 038072, 038073, 038076, 038077, 038162, 038180, 038186, 038189, 038190, 038192, 038194, 038195, 038198, 038199, 038200, 038201, 038204, 038205, 038207, 038212, 038278, 038471, 038474, 038522, 038523, 038524, 038525, 038526, 038528, 038535, 038536, 038786, 038787, 038848, 038873, 039049, 039114, 039214, 039367, 039368, 039394, 039395, 039396, 039497, 039498, 039499, 039502, 039695, 039696, 039712, 039714, 039716, 039717, 039868, 039925, 039965, 039966, 039967, 039978, 040047, 040048, 040049, 040050, 040051, 040052, 040053, 040058, 040060, 040064, 040065, 040066, 040068, 040071, 040073, 040074, 040075, 040076, 040077, 040134, 040135, 040136, 040163, 040172, 040173, 040176, 040178, 040179, 040266, 040267, 040270, 040271, 040273, 040274, 040275, 040361, 040362, 040363, 040415, 040472, 040473, 040479, 040492, 040550, 040562, 040563, 040564, 040585, 040600, 040601, 040604, 040605, 040606, 040607, 040608, 040609, 040711, 040713, 040714, 040715, 040716, 040717, 040722, 040725, 040726, 040731, 040732, 040738, 040740, 040741, 040745, 040807, 040808, 040810, 040813, 040814, 040815, 040817, 040822, 040824, 040825, 040826, 040830, 040846, 040870, 040871, 040875, 040876, 040951, 040986, 040990, 041096, 041123, 041126, 041127, 041132, 041134, 041138, 041155, 041157, 041166, 041167, 041168, 041186, 041207, 041210, 041250, 041251, 041255, 041256, 041257, 041259, 041260, 041262, 041263, 041267, 041269, 041270, 041272, 041275, 041276, 041359, 041462, 041670
Utah 035956, 036222, 038098, 039178, 040138, 041198, 041201
Venezuela 031615, 034920, 036099, 039043, 039044
Vermont 041293, 041663
Vietnam 035977, 040402, 040844
Virgin Islands 035962, 036177
Virginia 033665, 034479, 034794, 034796, 035477, 036122
Wales 031072, 031074, 031202, 031522, 033286, 036951, 038747, 039414,

040019, 040020
Washington 030996, 033592, 035499, 036224, 038223, 039199, 039809
Washington, D.C. 031903
West Africa 040124, 040399
West Indies 031167, 033521, 038086, 038088, 039356, 040121, 040610, 041434
West Virginia 031166, 036122
Western Samoa 038562
Wisconsin 031003, 031214, 031215, 033591, 036135, 036155, 039485, 040728, 041325, 041327, 041385, 041387, 041388, 041581
Wyoming 040784, 041201
Yugoslavia 035276, 035975, 036144, 037147, 039381, 040007, 040151
Zaire 035676, 036034

CORPORATE AUTHOR INDEX

. 1974 040139
Alabama Agricultural Experiment Station 031046, 031170, 031465, 031625, 033358, 033916, 034366, 037991, 037992, 038022, 038991, 039129, 039217, 039335, 040594, 040949
American Society of Animal Science Southern Section 033639
Arizona Agricultural Experiment Station 038963, 039065
Arizona University Cooperative Extension Service 038963
Arkansas Agricultural Experiment Station 031023, 031024, 031235, 031428, 032948, 033609, 034325, 035699, 038267, 038268, 039447
C. 040139
California Agricultural Experiment Station 032195, 034595, 035466, 037987, 038279, 038280, 038855, 038965, 038966, 039104, 039265, 039266, 039267, 039323, 039324
California University, Berkeley Agricultural Extension Service 031802, 037710, 037711, 037712, 039119, 039120, 039121, 039122, 039123, 039124, 039125, 039126, 039332
Centro di miglioramento genetico vegetale Maliani 038045
Connecticut University Cooperative Extension Service 032193, 032194
Dansk pelsdyravlerforening 033611
Delaware Agricultural Experiment Station 031745
Ent ina 031547
Entina 031424, 031546
European Association for Animal Production 034569
Federal Inter-Agency Sedimentation Conference, 3rd, Denver, 041378
Florida Agricultural Experiment Station 031165, 034350, 034593, 034594, 040894, 040895
Florida Agricultural Experiment Stations 034599, 036417
Food and Agriculture Organization of the United Nations 031269, 031270, 031271, 031272, 031566, 031800, 031991
Food and Agriculture Organization of the United Nations Committee on Commodity Problems 031563, 031564, 031565, 031756, 031799, 031979, 031980
Food and Agriculture Organization of the United Nations Council 031273, 031274
Food and Agriculture Organization of the United Nations World Reporting Service on Plant Diseases and Pests 038778, 038779, 038780, 038932, 039050, 039154, 039240, 039241, 039356, 039357, 039434
Georgia Experiment Stations 038140, 038141, 038142, 039171, 039172
Georgia University Cooperative Extension Service 038405
Hawaii University Cooperative Extension Service 031467, 038352, 038353, 038354
Hawaii University Dept. of Horticulture 031467, 038352, 038353, 038354
Idaho University Cooperative Extension Service 031900, 032446, 032447, 035681
Illinois Agricultural Experiment Station 031516, 031743, 033240, 034637, 035066, 035780, 036023, 038023, 038994, 040369, 040370, 041159
Illinois University College of Agriculture Dept. of Agricultural Economics 031516, 031743
Instituto de Estudios Economicos de la Sociedad Rural Arg 031424, 031546, 031547
International Symposium on Plecoptera, lst, Washimgton, D. 040139
Iowa Agriculture and Home Economics Experiment Station 037556
Iowa State University of Science and Technology, Ames Cooperative Extension Service 031217, 031218, 031219, 031220, 031221, 031222, 031223, 031224, 032445, 032525, 035678, 035679, 035680, 038431, 039297, 039358, 040515
Kentucky University Cooperative Extension Service 033636
Louisiana Agricultural Experiment Station Animal Science Dept. 031482, 032108, 033097, 034436, 034437, 034438, 034439, 034440, 034441, 034442, 034443, 034444, 034445, 034446, 034447, 034448, 034719, 034720, 034721, 034722, 034723, 034724, 034725, 034726, 034727, 034728, 034729, 034730, 034731, 034732, 034733, 034734, 034735, 034736, 034737, 034738, 034739, 034740, 034913, 035143, 035144, 035145, 038078, 038079, 038080
Louisiana Agricultural Experiment Station Dept. of Agricultural Economics and Agribusiness 031275, 031439, 031440, 031569, 041237
Maryland University Cooperative Extension Service 034614
Michigan Agricultural Experiment Station 031127, 031230, 040788
Minnesota Agricultural Experiment Station 031444, 031445, 039035, 039036, 041013
Minnesota University Agricultural Extension Service 031444, 031445, 031447, 034358, 038259, 038260
Minnesota University Dept. of Agricultural and Applied Economics 031444, 031445
Mississippi State University Cooperative Extension Service 031125, 035848, 041650
Morris Arboretum 035992
National Agricultural Library 031001, 031002, 031003, 031004, 031005, 031006, 031007, 038227
NATO Science Committee Conference on Eco-Toxicology, Mo 041512
Nebraska Agricultural Experiment Station 031500, 031765, 038093, 038094
Nebraska University College of Agriculture Dept. of Agricultural Economics 031500
New York (State) Agricultural Experiment Station, Geneva 039510, 041658
North Carolina State University Agricultural Extension Service 032801, 033123, 033370, 034462
North Dakota Agricultural Experiment Station 031359, 034452, 039403, 040697
Ohio Agricultural Research and Development Center 031229, 031726, 032887, 033448, 034458, 034769, 039242, 039352, 039361, 039362, 039495
Ohio State University Cooperative Extension Service 033221
Oklahoma Agricultural Experiment Station 031502, 036246, 037831, 037832, 037833, 037834, 038452, 038453, 038454, 038455, 038456, 038457, 038784, 039056, 039173, 039174, 039175, 039176, 039177, 041064, 041065, 041066, 041067, 041068, 041069, 041070
Oregon Agricultural College Extension Service 031900, 032446, 032447, 035681
Oregon Agricultural Experiment Station 031732, 034494
Oregon State University Extension Service 039330, 039331
Pennsylvania Agricultural Experiment Station 039301, 041057
South Carolina Agricultural Experiment Station 031402
South Dakota Agricultural Experiment Station 031026, 031027, 031128
Texas Agricultural Experiment Station 038414, 039103, 041147
Unt Gabriel, Quebec, 1974 041512
U.S. Agricultural Marketing Service 031020
U.S. Agricultural Research Service 034256, 036377, 037951, 039254, 039255, 039256, 039375
U.S. Agricultural Research Service North Central Region 039263, 041143
U.S. Agricultural Research Service Northeastern Region 032722, 033121, 034580, 038575
U.S. Agricultural Research Service Southern Region 031951, 031952, 031953, 031954, 031955, 031956, 031957, 031958, 031959, 031960, 031961, 033158, 033159, 033160, 033161, 033162, 033163, 033164, 033165, 033166, 033167, 033168, 033169, 033170, 033171, 033172, 033173, 033174, 033175, 033176, 033177, 033178, 033179, 033180, 033181, 033182, 033183, 033184, 033185, 033186, 033187, 033188, 036391, 041234
U.S. Agricultural Research Service Western Region 039307
U.S. Agricultural Stabilization and Conservation Service 031260, 031790
U.S. Animal and Plant Health Inspection Service 039446
U.S. Consumer and Food Economics Institute 032403
U.S. Dept. of Agriculture 030999, 031000, 031125, 031136, 031137, 031138, 031139, 031140, 031141, 031142, 031394, 031525, 031687, 031766, 031825, 031826, 031930, 031931, 031932, 031942, 032251, 032507, 032508, 032509, 032510, 032517, 032518, 032526, 032919, 032964, 033384, 033692, 033693, 033694, 034870, 034871, 034953, 035285, 035494, 035510, 035848, 036714, 038183, 038184, 038350, 038351, 038533, 038534, 038831, 038832, 039076, 039117, 039216, 039218, 039219, 039246, 039522, 040229, 040260, 040351, 040509, 040539, 040544, 041432, 041460, 041650, 041682
U.S. Dept. of Agriculture Economic Research Service 031148, 031149, 031414, 031415, 031526, 031576, 031583, 031584, 031585, 031586, 031702, 031739, 031808, 031809, 031810, 031901, 032394
U.S. Farmer Cooperative Service 031450
U.S. Foreign Agricultural Service 031283, 031453, 031454, 031595, 031596, 031597, 031598, 031599, 031600, 031601, 031602, 031603, 031604, 031605, 031606, 031607, 031608, 031609, 031610, 031611, 031612, 031613, 031614, 031615, 031759, 031760
U.S. Forest Products Laboratory 035889
U.S. Forest Service 035647
U.S. Forest Service Equipment Development Center 035467
U.S. Interagency Committee on Nutrition Education 032403
U.S. North Central Forest Experiment Station 035627, 041114, 041436
U.S. Pacific Northwest Forest and Range Experiment Station 035613, 035693, 035893, 038827, 041671
U.S. Pacific Southwest Forest and Range Experiment Station 035507, 035694
U.S. Rocky Mountain Forest and Range Experiment Station 035692, 035890, 036167, 038173, 038174, 038175, 039409, 039946
U.S. Soil Conservation Service 038155, 038482, 038483, 038484, 039180, 041198, 041199, 041200, 041201, 041202, 041203, 041204, 041205, 041206, 041659, 041660, 041661, 041662, 041663, 041664
U.S. Soil Conservation Service Engineering Division 041104
U.S. Southeastern Forest Experiment Station 035626, 035891, 035892, 036252
U.S. Water Resources Council Sedimentation Committee 041378
Utah Agricultural Experiment Station 034483, 039178
Virginia Polytechnic Institute and State University 033665
Washington (State) Agricultural Experiment Station 030996, 032168, 032169, 033592, 035695, 038223, 039199
Washington (State) State College Dept. of Extension 031900, 032446, 032447, 035681
West Virginia Agricultural Experiment Station 031166
Wisconsin University Cooperative Extension Programs 033591, 037942, 037943, 038220, 038947, 039088
1976 041378

PERSONAL AUTHOR INDEX

Aalbers, A M J 037649
Aas, K 033437
Aasa, R 036929
Abaev, A G 041089
Abasa, R O 039240
Abba, G 036017
Abbasi, R B 039252
Abbasov, R M 036877
Abboud, F M 034010
Abd el-Latief, F I 033345, 037642
Abd el-Razik, A A 038560
Abdel Kader, A S 033360
Abdel Maksoad, M A 033344
Abdel Maksoad, M M 033360
Abdel Razik, A 038232
Abdel Salam, F E 034260, 034261
Abdel Salam, N 034260, 034261, 034262
Abdel Samei, K A 033360
Abdel-Gawaad, A A 039207
Abdel-Hady, M A 038757
Abdel-Hamid, M 040858
Abdel-Kader, A S 033344, 033361
Abdel-Salam, F E 034259, 034262, 034263
Abdel-Salam, N 031419, 034259, 034263
Abdel-Samie, A G 038757
Abdel-Samie, K A 033344
Abdel-Samie, M 040858
Abdel-Samie, M E 040859
Abdel-Tawab, G 032929, 032930
Abdel-Wahab, F K 033361
Abdul-Hussein, H 037492
Abdulla, Y M 033471
Abdullaev, H A 036546
Abdullaeva, S K 036973
Abdullah, R B 034737
Abe, H 033788
Abe, I 039047
Abe, K 036269
Abe, M 034425, 037006
Abe, T 034706
Abel, D E 031749
Abelev, M YU 040585
Abend, R 034316
Abgarov, B G 040277
Abichandani, C T 040922
Abidi, Z H 038229, 038231
Abliaeva, N Kh 034217
Abo, T 034111
Abo-el Lel, G 037339
Abo-Elenein, R A 036382
Abou Aziz, A B 033344, 033360, 033361
Abou Hussein, M R 038291
Abou-el Hassan, A 034375
Abou-Elela, R G 039622
Abou-el-Fittouh, H A 037952, 037953
Abou-el-Hassan, A 034266
Abou-Ghadir, M F 039262
Abou-Hussein, E R M 034375
Abou-Hussein, M R 037688, 037689
Abou-Khalil, S 033823
Aboul Nasr, A E 039260
Aboul Seoud, A A 034259, 034260, 034261, 034262, 034263
Aboul-Seoud, A A 034257
Abou-Raya, A K 034266, 034375
Abou-Schly, A H 033143
Abou-Selim, I A 034268
Abraham, J M 031659
Abraham, R S 035334
Abrahams, H J 041349
Abrahamsohn, P A 034059
Abrami, A 035475
Abramian, E G 034180
Abramian, L Kh 036282
Abramova, K O 039188
Abrasheva, P 038902
Abrol, I P 041338
Abtshagen, H 034837
Abu, M 035307
Abubakirov, N K 036876, 036883, 036884
Abushama, F T 039742
Abutalybov, M G 037860
Acciavatti, R E 039409
Acharya, R M 034633
Achenbach, H 036864
Achkov, N 040748
Achtelig, M 039952
Achten, J M F H 038272
Achuff, P 036186
Achutha, V 032868
Acker, L 032156, 032923
Ackermann, O 035140
Ackermann, W C 041348
Ackland, N 034658
Ackman, R G 033124
Acosta, P B 032305
Acquaye, D K 040642
Acree, T E 033322
Acs, P 032788
Acton, J C 033127
Acuna R M, C M 031782
Adam, K 034321
Adam, R 032951
Adam, W 031490, 034925
Adamec, O 035451, 035453
Adams, C A 033200
Adams, C E 034841
Adams, C R 038155
Adams, E 035440
Adams, H P 031900
Adams, K 031303
Adams, M R 034713
Adams, M W 038872
Adams, R S Jr 041013
Adams, T E 033886
Adams, W 034164
Adamson, T M 034009
Adamy, C G 031631
Adda, J 032989
Addiscott, T M 037631
Addison, R L comp 031402
Adelstein, S J 035308
Adesina, S K 037179
Adey, W H 036177
Adisoemarto, S 032192
Adkisson, C S 035477
Adler, J H 037169
Adler, J L 033865
Adrian, J 033146
Adrian, P A 033407, 040477
Aduayi, E A 038823
Adyalkar, P G 041280
Adzhiev, A M 038523
Aehnelt, E 034506
Aerts, J 038511, 038826, 039349
Afanas'eva, L M 037960
Afanas'eva, N G 036841
Afanas'eva, V P 037228
Afanasiev, V A 033655
Afifi, Y A 034265
Afonin, D I 041253
Afonina, V M 039958
Aftergood, L 032317
Agadzhanian, E A 036280
Agaev, IU M 036713
Agamalian, H S 039124, 039125, 039126
Agar, N S 033986
Agarwal, D K 036027
Agarwal, K N 032335
Agarwal, V K 038715
Agarwala, R K 038660
Ageeva, L A 036521
Aggarwal, J P 032960
Aggrawal, C K 034647
Agliullin, F V 035579
Agmo, A 034672
Agnihotri, N P 040921
Agnihotri, V P 038716
Agrawal, N S 039531
Agrawal, R K 039424
Aguayo Ch, L E 038153
Aguiar, J M 037296
Aguirre-Puente, J 032759
Aharoni, H 032963
Ahearn, D G 036233
Ahenkorah, Y 040968
Ahloowalia, B S 038006
Ahlquist, C N 036319
Ahmad, A M 038620, 038818
Ahmad, Q N 036568
Ahmadieh, A 035741
Ahmed, A A 033143
Ahmed, F A 031831, 038232
Ahmed, H 039357
Ahmed, I 040400
Ahmed, J 036552, 036553
Ahmed, M K 036423
Ahmed, N 041313
Ahmed, R 037176
Ahmed, S I 037093, 037095
Ahmed, S M 039207
Ahmed, W 031084
Ahond, A 037291, 037297
Ahrens, M 034756, 034835
Ahring, R M 036440
Ahuja, A K 037459
Ahuja, S D 034647
Aichele, D 037784
Aida, K 039021
Aikat, B K 035078
Aiken, S R 035525
Ain, G 039436
Airapetyan, R B 037581
Aitken, I D 033863
Aitken, Y 038955
Aivasian, S A 034585
Aizenzon, M G 039694
Ajiki, Y 035139
Ajula, S S 038659
Akahane, T 037137
Akahira, Y 040225
Akazawa, H 032741
Akchurin, R K 041210
Akerberg, E 039304
Akers, C R 041389
Akesson, K A 033513
Akhlamov, IU 040492
Akhmedov, A Sh 036656
Akhmedzhanova, V I 036881
Akhmerov, A M 035668
Akhundova, D D 036667
Akhund-Zade, I M 037716
Akiba, F 037378
Akimoto, T 038924
Akimova, IU D 037328
Akimtseva, N A 039394
Akintola, J 031166
Akker, A van den 032106
Akmanoglu, O A 041299
Ako, H 037646
Akopian, N M 040277
Akopian, V A 033482
Akopian; Z M 040269
Akopyan, G A 040818
Akram, M 038913
Akramovskaia, E G 039645
Akroyd, D 031251
Aksenov, V P 038900
Aksenova, G V 034493
Aksenova, N P 036357
Aksianov, A A 035795
Akulov, A V 035206
Akulova, E A 037660, 037703, 037866
Akulova, G I 034936
Akynbaev, M 031891
al Sagar, H A 040926
Alais, C 033025
Alam, M M 038913, 038914, 039001
Albanese, Anthony A 032227
Albano Annicchino, G 035402
Alberghina, F A M 034085
Albert, N 038225
Albert, N H 033143
Albert, R A 034996
Albertin, J R 041240
Albertz, R 035062
Albi, M A 033381
Albig, K 032389
Albuquerque, H 033023
Alcachupas, R C 031325
Alcock, J 039805
Aldanova, N A 033783
Alden, C L 035344
Alden, E 033582, 033583, 033682, 034501, 034503, 034505
Aldon, E F 041182
Aldwinckle, H S 038850
Alekhina, N D 037421
Alekperov, U K 036667
Aleksakhin, R M 040743, 040744
Aleksandrov, M 034533
Aleksandrov, S V 034167
Aleksandrova, A M 040831
Alekseenko, L N 037375, 037377
Alekseenok, A YA 036691
Alekseev, A A 039515
Alekseev, B F 031398
Alekseev, E 038063
Alekseev, N A 031463
Alekseev, V V 036258
Alekseeva, Kh A 037898
Alekseevskii, E E 041279
Alekseichuk, T I 036364
Alekseichuk, V D 033462
Alent'eva, E S 033502
Aleshin, E P 037422
Alexander, A F 034152
Alexander, A R 032317
Alexander, H J 036240
Alexander, J B 033186
Alexander, J W 035309, 035335
Alexander, M 039557, 039580, 040800
Alexander, R D 039784
Alfieri, D 032339
Alfieri, S A Jr 038964
Alfin-Slater, R B 032317
Alfons, H 031039
Alger, G R 041330
Ali, A 032389
Ali, A A 037195
Ali, A M 039260
Ali, B 038949
Ali, M M 036995
Ali, S 038925
Alichandidis, E S 032995
Aliev, K A 037745
Aliev, Sh 035580
Ali-Khan, F E A 039451
Alikhan, M A 039683
Ali-Khan, Z 039451
Alim, K A 033630
Alina, B A 036971
Aliprandi, M 035457
Alipur, H 036479
Alipur, Kh 037828
Aliyev, S A 040828
Ali-Yrkko, S 033560
Aljibury, F K 038246
Allakhverdiev, R K 038525
Allan, J D 036240
Allan, R E 036454
Allard, R W 036486
Allegri, G 035222
Allen, A 034209
Allen, A A 039701, 039703
Allen, C M 035950
Allen, E J 037761
Allen, G A Jr 033662
Allen, J E 033203
Allen, J R 036861
Alleweldt, G 037882
Allikvee, H 036170
Allin, E F 034070
Alloway, B J 040664
Allred, D L 031745
Almansa Sahagun, V 031534
Almasi, E 032787
Almeida, D 031796
Almeida, M E L de 037164
al-Musallam, A A 036154
al-Nawas, A 037492
Alonso Munoz, A 033604
Alonzo, D S 035750
Alpi, A 037839
Altaf Ahmed, S 040985
Altamirano S, S 041093
Altmann, A 031162
Altmann, H J 039100
Altner, H 039673
Aluja, A S de 041648
Aluko, M O 038795
Alvares, H C 031918
Alvares, K 031917
Alverson, K 038484
Alves, E R de A 031582
Aly, O M 041533, 041536
Alyamovski, I G 033347
Amaha, M 037514
Amanmuradov, K 036884
Amann, H 040935
Amann, R P 034665
Amano, K 031975
Ambartsumian, V G 036827
Amberg, H R 041670
Ambrosau, A L 038916
Ambrose, J T 040185
Amdal, K 031459
Amen, R J 032209, 032322
America, W M 035761
Amerkhanova, M B 037661
Amerman, C B 034405
Amici, D 033797
Amin, S A 031945
Aminov, A M 036900
Amirmokri, H 040924
Amirzhanova, G M 037863
Amling, H J 033358
Ammosova, IA M 040844
Amorelli, M O C 031845
Amosova, L I 039504
Ampilogov, N E 037600
Amson, F W van 031132
Amure, B O 034676
Ananchenko, S N 037231
Anand, S D P 031468
Anand, U 033623
Anand, V K 038856
Ananiades, K I 041668
Ananian, A A 037666
Anantakrishnan, C P 032992
Ananthakrishnan, T N 039236
Anasiewicz, A 039697, 039698
Anda, L P 034239
Andeae, B 031736
Andersen, H V 031349, 031476
Andersen, I 041490
Andersen, R 031515
Andersen, R N 034355
Andersen, S 038066
Anderson, A B M 034840
Anderson, A W 033157
Anderson, C E 034202
Anderson, D C 033653
Anderson, D M 040763
Anderson, E S 035107
Anderson, G D 040963
Anderson, H W 041380
Anderson, J H 040544
Anderson, J J 041567
Anderson, J M 037652
Anderson, L K 035340
Anderson, M J 034483
Anderson, N V 035420
Anderson, R A 033209
Anderson, R C 035040
Anderson, R H 032857
Anderson, R M 031209
Anderson, R V 038968
Anderson, R W 031437
Anderson, T W 032330, 041557
Andhiwal, C K 037748
Andor, J 035543
Andrade, L de 040768
Andrade, S O 035446
Andreani, E 034984
Andreenko, S S 037421
Andreeuskaia, V D 037000
Andreev, A 038130
Andreev, A T 038522
Andreev, L V 037116
Andreeva, E N 037578
Andreeva, I N 037360
Andreeva, N G 037418
Andreeva, T F 037580
Andrei, N 035018, 035019
Andreis, C 036313
Andresen, E 035367
Andresen, J W 035480
Andrew, J C 035109
Andrewes, C H 040017
Andrews, B A K 033176
Andrews, E J 035311
Andrews, F R 031959
Andrews, P 036217
Andrews, R M 039882
Andrews, W H H 034126
Andrianne, P 036236
Andrianov, V I 036848
Andries, A P 041082

Andrieu, J P 034292, 034293
Andriianov, N S 035233
Andringa, J T 040498, 040499
Andriushchenko, V K 039059
Andriyanova, Y E 037445
Andrjunin, J 032844
Andrus, R E 036186
Andrushko, M H 037881
Andrzejewski, M 040621
Angelini, A 031778
Angell, W J 031447
Angelo, S J 035418
Angelotti, R 032020
Angermann, H 031331, 031472, 031473
Angiboust, A 038430
Angstadt, H E 031665
Anikeeva, I D 036512, 036513
Aniol, A 037499, 037505, 039149
Anisimov, A V 033879
Anjaneyulu, A S R 037300
Anjaria, P I 039326
Anker, A 034540
Ankineedu, G 036554
Anno, T 032849
Ansari, S A 032750
Ansay, M 033747, 035302
Anselme, C 038790, 038796
Anselmi, N 038611
Anselmo, Sandra 032589
Ansorge, H 040911
Anthonisen, N R 033852
Anthonissen, J J 041083
Anthony, W B 034366, 037991, 037992
Anthony, W S 033173
Antila, M 033560
Antipov, S V 041276
Antipova, M M 041276
Anton, J J 031593
Antoni, H J 036633, 038458
Antonov, V K 032946
Antonov, V V 036643
Antonovskii, S D 035807
Antova, M D 034490
Antropova, O N 035860
Anufriev, G A 039996
Anwar, S Y 036555
Anzalone, B 036018
Aoki, M 037930
Aono, T 035707
Apostol, V 039161
Appa Rao, S 036569
Appel, G O 035309
Apple, J W 038947
Appledorf, H 031869
Arai, K 034977, 038885
Arai, M 037005
Arakawa, K 037137
Arakelova, S I 033156
Arakeri, H R 031835
Aranda, A 033362
Aratani, T 037294
Arazashvili, A I 036878
Arbeiter, K 034848
Arbuthnott, J P 033925
Arce Garcia, F 034969
Archer, J A 039488
Archer, W M 041332
Aref'yev, A V 040816
Arena, J M 032044
Arenales, P 032314
Arends, I M 037226
Areshkina, L YA 032178
Arevalo, R A 039179
Arfert, G 040444
Argorova Getova, T 036819
Arguello, C 034086
Argyle, R L 039575
Arias, J R 039468
Arispici, M 035301
Aristova, V A 035281
Aristovskaya, T V 040835
Arita, T 033862
Ariyuki, F 035432
Arjunan, G 038614
Arkhipov, N P 040743
Arkhipova, M P 041132
Arlian, L G 039855
Arlitt, M 031658
Armitage, P D 040083
Armstrong, C H 035038
Armstrong, D J 037813
Armstrong, J 031627
Arnal-Peyrot, F 033146
Arneja, D V 033978
Arnett, R H Jr 040084
Arnoczky, S 035422
Arnold, F J 039322, 039361
Arnold, R G 031886
Arnol'di, K V 040178
Arnol'di, L V 040173
Arnon, D I 036813, 036815
Arnon, I 040961
Aronson, A L 035414
Arora, K R 038735
Arora, S K 037459
Arora, S P 033965, 034391, 035417
Arp-Hansen, N 035641
Arraudeau, M 037964
Arrighi de Casanova, J 041343
Arroyave, G 032321
Arroyo, M T K 036488
Arscott, G H 034494
Artamonov, K F 041256, 041438
Artamonov, V I 037622, 037709
Artecka, E 032760
Arthur, D R 039470
Arthur, H B 031163
Arthur, J C Jr 033179
Arthur, J F 041384
Arthur, J R F 040587
Artioli, D 031778, 032173
Artis, P 037490
Artiukh, O D 037604
Artjuschin, A M 031036
Arutiunian, E A 037665
Arvanitopol, N 035439
Arvela, P 035881
Arvy, L 033840
Arya, H C 038648, 038699, 039004
Arzee, T 037383
Arzhenovskii, V N 038207
Arzumanova, A A 037785
Asadov, K S 035983
Asakawa, Y 037294
Asami, H 036575
Asanov, P 038059
Asay, K H 035997
Ascher, K R S 039372
Aseeva, I V 040847
Asen, A 036058
Asen, S 037802
Ash, J F 034146
Ashby, B H 033085
Asher, C J 038509
Ashizawa, H 035013
Ashman, F 039431
Ashton, D H 032078, 036245, 037892
Ashwell, M 032399
Askew, L R 032016
Aslaniants, L K 037664
Asmus, F 040912, 040917, 041002
Asoeva, L M 036973
Asou, H 035137
Aspinall, D 037350
Aspock, H 040161
Aspock, U 040161
Aspros, D G 035051
Asrorov, K A 036520
Assem, J van den 039839
Assenmacher, I 034081
Astakhov, A I 036517
Asthana, D C 037440
Asthridge, S J 038290
Astier, H 034081
Ata, F A 035035
Ataga, D O 040646
Atanasov, A Z 040174
Atanasov, S 041030
Atchison, J E 032910
Atchley, W R 040003
Ateshian, K H 041175
Athar, M 040857
Atherton, D R 033912, 035411
Atheya, S C 038661
Atkin, D R 038894
Atkins, J G 036444, 037997
Atkins, J M 034017
Atkinson, D 037365
Atkinson, J D 038927
Atkinson, K M 038953, 038954
Atkinson, M A 038901
Atkinson, R L 033103, 034456
Atkinson, T C 031642
Atroshko, V V 035803
Atsmon, D 037383
Attaway, J A 033410
Attia, S E A 036378, 036379, 036380
Atwal, A S 039427
Atwal, J S 032056
Aubert, B 038300, 038301
Aubert, G 031067
Audidier, 031769
Audino, J 039570
Audit, C 039750
Audunson, T 041323
Audus, L J 037348
Auerbach, L 036928
Augustin, H 034451
Augustinsky, V 035385
Augustus, J 033796
Aujla, S S 038709
Aulak, W 036922
Aulitzky, H 035631
Aumerowa, K 035490
Auoul-Seoud, A A 034258
Auret, B J 037292
Aust, A E 037019
Aust, H J 038846
Austad, R 034687
Austin, D J 039314
Austin, P R 032852
Austin, V H 034898
Avakian, B P 033346
Avakian, N D 035807
Avakian, TS M 039055
Avakian, V A 036396
Avanes'iants, R V 033477
Avdeeva, T A 037443, 037580
Avdeyev, M N 040837
Avellaneda, R A 036632
Averina, N G 036977
Avermaete, U 031738, 031923
Avery, Arthur 032623, 032647
Avery, D R Jr 034725
Avetisov, V A 036547
Avilov, V S 035207
Avilova, L D 036371
Aviram, H 038349
Avis, P R D 033086
Avnimelech, Y 040672, 040948
Avramenko, I D 039396
Avratovscukova, N 036544
Avvakumova, E N 037680
Awasthi, Y C 032782
Awaya, J 036822, 037017
Awl, R A 032858
Axelrod, H 039467
Ayala, F J 039748
Ayalon, A 038342
Ayalon, J 039128
Aycock, M K Jr 038972
Ayengar, K N N 036987
Ayoub, A T 037042
Ayoub, H 034568
Ayres, G E 037976
Ayres, J C 036776
Ayres, P A 032075
Azarashvili, P B 033472
Azariah, M D 038375
Azhar, S 036905
Azoulay, E 036834
Azouni, M A 032759
Azuma, M 035112
Azzi, G M 031795
Baba, S 031290
Babaev, S E 033482
Babatunde, G M 034370, 034377
Babayan, R S 037581
Babcock, G T 037697
Babenko, V I 037427
Bab'eva, I P 040685
Babkina, E M 034489
Babu, C N 039551
Babu, V R 037347
Babuk, V I 041086
Babushkin, L N 037868
Baca, O 034066
Bach, F H 034147
Bach, H 031234, 032007
Bachmann, G 035773
Bachmann, M 033033
Bachrach, H L 035029
Bachus, W O 041336
Bacigalupo, A 032309
Bacso, A 040854
Bada, J L 035837
Badawi, M E 039521
Bader, C A 034122
Badger, T W 041199
Badley, R A 037365
Badowska, T 039329
Badwal, S S 038124, 038554
Baechi, S 035933
Baer, E von 036699
Baeva, R T 036883, 036884
Baganz, K 033492, 040556
Bagdasarian, S N 034812
Bagger, O 039028
Baghdiantz, A 033885
Bagley, C P 034440, 034443
Bagnulo, A 031531
Bagrova, A M 036694
Bahdanau, M P 037001
Bahga, H S 033973
Bahl, N 036025
Bahl, S 032343
Bai, A R K 040248
Bai, R G 033270
Baicu, T 039299
Bailey, A J 034208
Bailey, D A 041639
Bailey, E 039686, 039771
Bailey, G N A 035091
Bailey, N E 040184
Bailov, D 036471
Bailur, D M 031660
Bain, S A 035159
Baines, A D 033846
Baines, S 041649
Bains, D S 033569, 038031, 038125, 038438, 039163, 039166
Bains, G S 033199
Bains, S S 039427
Baiocchi, F 033224
Baird, C E 034106
Baird, D T 034700
Baird, T 034065
Baird, W M 035897
Bajaj, K L 037191
Bajaj, Y P S 036347, 037779
Bajkov, B 040371
Bajusz, S 037336
Bajwa, G S 039164
Bakai, A V 034604
Bakanov, V N 034508
Baker, A N 039291
Baker, B 040470
Baker, B E 039558
Baker, C W 032768
Baker, D B 040033
Baker, G L 031142, 031148
Baker, H 032258
Baker, J E 039270
Baker, J H 036199
Baker, J W 034459
Baker, P F 034072
Baker, R F 036570
Bakhtizin, N R 041133
Bakke, H 033697
Bakulov, I A 035208, 035242
Bakulow, I 035097
Bal, J 036726
Bal, L 040706
Balaam, L N 031754
Balabanov, I 034873
Balaine, D S 034380
Balan, C 038111
Balanarsaiah, D 036554
Balandina, I D 038808
Balascak, J 034939, 035382, 035383
Balashev, L S 036182
Balashova, N N 039059
Balashvili, M I 037269
Balasubramanian, A 038683
Balasubramanian, N N 035326
Balasubramanian, V 037752
Balbin, E 036502
Baldini, E 039012
Baldwin, J F 031428
Baldy, B 038221
Bale, N M 037161
Balek, J J 034768
Balestrieri, Marianne 032596
Baleva, E F 036977
Balezina, L S 041012
Balinova, A 032904
Balint, K 041496
Balintfy, J L 032239
Balintfy, Joseph 032615
Balis, C 038754
Ball, B D 031197
Ball, G E 040042
Balla, F 032484
Balla, L 033689, 036375
Ballance, G M 037595
Ballard, R 040895
Ballard, T M 035742
Ballester, A 037044
Ballester, D 032293, 032299
Ballou, C E 040668
Balnave, D 033989
Balo, E 037884, 041014
Balogh, K 033220
Bal'ozov, D 034533
Balsley, M B 032354
Baluch, Z A 038229
Baluch, Z A M 038231
Baluda, M A 035136
Balzer, H 034118
Bal'zhekas, I 032893
Bandi, P C 033795
Bandlow, W 037109
Bando. T 033859
Bandoni, R J 035996
Bandstra, T J 040462
Bandyopadhyay, C 033421
Bandyopadhyay, S 033268
Bane, A 034764
Banerjee, A K 036947
Banerjee, B T 034646
Banerjee, G C 034384
Banerjee, S N 039285, 039286
Banerjee, S P 040658
Bangert, V 041457
Banik, A K 032867
Baniukiewicz, E 041488
Bank, Mrs B A 034251
Banke, A 033083
Ban'kovskii, A I 036889, 037675
Banks, A L 032126
Bannai, K 032201
Bannister, D W 034344
Bannister, R T 040030
Banno, I 036035
Bannon, D 031710
Bansal, M P 035084
Bansal, R 037452
Bantzer, P 034239
Banwart, W L 040798
Banyas, J comp 032525
Bapat, S R 040945
Bar, A 034343
Barabanov, V M 035106
Barabash, P L 037607
Baraldi, G 038384
Baranov, A I 031937
Baranov, N N 041118
Baranov, O K 034632
Baranova, M A 036287
Baranova, S D 041264
Baranova, S V 033439
Baranova, Z A 037420
Baranowska, H 036502
Barashkova, E A 036711
Barat, S K 033084
Baratte, J 033491
Barber, D 038268
Barbieri, V 035402
Barbone, E 035474
Barbosa, H D C 031912
Barbosa, T 031582
Barclay, I 036612
Barcsak, Z 039090
Barden, Lola 032701
Barden, R E 034148
Bardini, G 033326
Baresel, F 031287
Barevadia, T N 038030
Baril, A Jr 033174
Barillot, J C 034172
Barina, S 032762
Bariska, M 035905
Baritelle, J L 031415
Barkai-Golan, R 033382
Barkan, I L 041252
Barker, M O 032179
Barker, S 040149
Barker, W H 032111
Barlett, H D 041603
Barmore, C R 033386
Barnes, C A 039382
Barnes, K K 040544
Barnes, M J 034208
Barnett, M de F 039852
Barnhart, J L 034150
Baron, D 037873
Barooah, S R 040946
Barov, V 037532, 041238
Barr, R M 033787
Barras, S J 039385
Barrett, D K 038820
Barrett, G W 034006
Barrett, J E 033358, 034366
Barrett, M 040384
Barrett, R E 035061, 035312
Barron, J R 040127
Barron, R 039710
Barrow, J R 036431
Barrows, E M 039815
Barry, R E 038273
Barry, T N 034398, 034400
Barsegian, G V 037373
Barshtein, L A 038206
Bartenev, V A 040545
Bartha, R 039560
Bartholomew, P W 040885
Bartko, P 034227
Bartlett, B E 034388
Bartlett, D 031211
Barton, G M 035895
Bartos, J 035227
Bartos, S 034226
Bartoskova, M 032144
Bartusek, M 039092
Bartz, J 037557
Barug, D 036961
Baryla, R 036257
Barz, W 036796
Barzakh, IA L 041428
Basha, S M M 037812
Basham, J T 038578
Bashford, C L 034105
Bashkin, V N 040834
Bashkirova, G V 037572
Baskin, L M 034190
Bass, L N 032911
Bassette, R 032977
Bassham, J A 037518
Bassi, M 033349
Bassinello, A I 037979
Bassir, O 034197
Bassler, R 033278
Bastian, P 031455
Bastic, L V 033420
Basu, K 038682
Basu, S 035079
Batcher, O M 032403
Batcher, Olive M 032641
Bate, G C 037472
Bateman, P L G 032015
Bates, D 033616
Bates, M 031628
Batikian, G G 036282
Batov, V I 041270
Batt, S 037594
Battaglini, Marcella 037634
Battaglini, Mauro 037634
Battu, G S 039427
Battum, D van 032012
Baturina, F M 035238
Baty, M F 041290
Batygin, N F 036610
Batz, G 031316
Baucke, A G 033015
Bauder, J W 038098
Baudisch, H P 034323, 034500
Bauer, A 038338
Bauer, P 037109
Bauer, T 039961
Baughman, B A 039361
Baulina, O I 037114
Bauman, V K 035389
Baumann, C A 033694
Baumann, E 040078, 040936, 040939, 041152
Baumann, R W 040139
Baumann, W J 033795
Baumgardt, J P 035651, 038335, 038336, 039544
Baumgartner, L 035528
Baumler, W 038956
Baurigk, G 040411
Bautista, C Q 035756
Baxter, F P 040718
Bayer, E 041211
Bayley, J G 031492
Bayliss, L C 031492
Bazan, H E P de 034101
Bazan, N G 034101
Bazarov, B B 040073
Bazier, G 041328
Bazin, J 038263
Baziukina, M A 039711
Bazzocchi, R 038463
Beal, A M 034163
Beale, C L 030999
Beale, S H 034887
Beall, F C 035899
Beam, C A 036623
Bean, G A 033564
Bean, R R 041065
Beardsell, M F 037520
Beardsley, D W 034350, 034406
Beardsley, W G 031217, 031218, 031219, 031220, 031221, 031222, 031223, 031224
Beare-Rogers, J L 032404
Beasley, S D 041038
Beath, L 035857
Beauchamp, J J 039577
Beaud, R 034565
Beaudet, R 033804
Beaver, B V G 034894
Becerra, V M 035035
Bechet, G 040453
Bechet, J 036563
Beck, C B 036127
Beck, E 037696
Beck, G H 031874
Beck, S D 039831
Beck, T 039599
Becker, A 037823
Becker, F 034499
Becker, G 039401, 039869
Becker, H 035847
Becker, R H 032023
Becker, W 031701
Beckerman, S 039199
Beckett, G J 034200
Beckhoff, J 033587
Beckmann, M J 031034
Bedi, P S 038650, 038655
Bednarek, A 035491
Beeghly, W 031609
Beek, G van 032746, 033350
Beer, C E 041372
Beer, S V 038850
Beers, J R 036032
Beeson, W M 034408
Beevers, L 037812
Beghes, H 040522
Beghin, I D 032307, 032314
Begley, M J 037026, 037298
Begnescu, R 035195
Behari, M 037748
Behera, B N 036303
Behrendt, H 031332
Behrendt, S 039195
Behrens, G 031328, 033671
Behrens, H 035149
Behrens, J 033550
Behura, N 040923
Beier, H M 033861
Beigel'man, A V 035816
Beiger, M 039994
Beikal, M N 040724
Beil, R E 034637
Beisel, W R 032319

Beisembaeva, R U 033825
Beitel, J M 035946
Beiul, E A 032491
Bekes, F 032783
Bekhtereva, M N 037119
Bekina, R M 037684
Belanger, C 036074
Belcher, E W 037936
Belej, J 041403
Beletskii, YU D 036684
Beliaev, D K 034632
Beliaeva, E S 036372
Beliaeva, T G 039970
Beliavskaia, E A 037575
Belica, J 031995, 033056, 033064
Belikov, P S 037869
Belitz, H D 033229
Belkin, J N 040121, 040123
Bell, A W 034158
Bell, D 033628, 034385
Bell, D C 038872
Bell, E M 035964
Bell, P R 036271
Bell, R G 041353
Bell, W J 039642
Bellama, J M 041469
Bellamy, T R 035892
Bellani, L 035221
Bellido, A D 033534
Bellini, E 037838, 038383
Bellward, G D 039533
Belokhvostikov, I I 038208
Belousov, B A 035796
Belova, L A 033824
Belteky, B 031461
Belyaev, D K 034823
Belyaeva, E S 039924, 039926
Belyakova, E M 034600
Ben Abdeljlil, A 033822
Benado, M B 039748
Benajahu, H 032898
Benard, M 032726, 032906
Bencivelli, A 038727
Bencivenga, M 035957
Bencze, K 039540
Benda, I 033685
Benda, R 035117
Benda, V 035228
Bende, E 032025, 032029
Bender, D F 041535
Bender, M F 041572
Bender, R 041593
Bendetskii, K M 036826
Ben-Dov, Y 039229
Benedek, Mrs L M 037618, 038226
Benerito, R R 033180
Benes, J 033115
Benesi, A 040801
Benevenga, N J 034409
Benezet, H J 039565
Bengtsson, A 038169, 038170, 041011
Beni, G 038046
Benjamin, R 038346
Benjaminsen, E 034765
Benko, L 035258
Bennett, F W 041183
Bennett, G F 039666
Bennett, G R 037246
Bennett, J W 034125
Bennett, M D 036612
Bennett, R A 038864
Bennett, R C 034208
Bennett, W C 039477
Benninger, L K 041216
Bennink, G J H 037816
Benoit, F 037877, 037878, 038513, 038518, 038519, 038824, 038825, 039596
Benson, V W 031901
Bentzon, M W 034954
Benvenuti, B 038233
Ben-Yaphet, Y 038630
Benzinger, W 032838
Beppu, M 037473
Beran, K 036311, 036833
Beran, N 037740, 038637
Beraud, D 031530
Berbigier, P 033748, 033751
Bercan, A 035018, 035019
Bercovitz, A B 034722, 034727, 034738
Berdichevskii, N S 034629
Berdnik, V P 035243
Berdnikov, V A 039693
Berecky, I 035377
Berenstein, D 038863
Bereskin, B 034659
Berezin, I V 036806, 037219
Berg, A 031847, 036193
Berg, G van den 034330
Berg, G von der 033002
Berg, H D 041454
Berg, M A 036455
Berg, R A 033786
Berg, R L 039920
Berg, R Y 036334
Berg, W 040386
Bergdoll, J 033537
Berger, C 036962
Berger, J 035025
Berger, L L 034412, 034418
Berger, M 041359
Berger, R 034495
Bergersen, F J 037051
Berggren, G 032266
Berggren, W 032266
Bergman, P W 040260
Bergmann, F 036495
Bergmann, V 035156, 039490
Bergmeier, J 040230
Bergner, H 034302, 034303, 034304, 034315, 034321
Berkman, Jerome 032590
Berkova, E 036829
Berliand-Kozhevnikov, V M 036656
Berlin, O G W 039856
Berlinski, Peter 032668
Berman, Edith Miller 032377
Berman, S N 032281
Bernard, G D 040237, 040252
Bernardi, F 040291
Berndorfer-Kraszner, E 032214
Bernhard, H O 036737
Bernhard, P 034928
Bernhard-Reversat, F 040645
Bernhart, H H 041316
Berni, R J 033180
Bernier, P E 035346
Bernstein, L A 031612
Berntsen, R 038327
Berreen, J 039415
Berridge, M J 039799, 039937
Berry, W L 041048
Bershtein, B I 036970, 037402
Berszan, G 032028
Berthouex, P M 041561, 041577
Bertoni, G 034280, 034281
Berwick, S 036174
Berzak, I A 037343
Berzsenyi-Janosits, L 031119
Beseda, M 035226
Besemer, S T 039122, 039123
Besic, J 037147
Beskrovnyi, A K 040730
Besl, H 036865
Bespalova, I A 033021
Bespalyi, P S 041270
Bessell, J E 031413
Bessonova, I A 036881
Besta, J 031926
Bester, B H 033026
Bester, J M 033353
Bestetti, G 035043
Bethel, J S 035614
Betz, R 037307
Beuchat, L R 032341, 038582
Beuche, W 035364
Beumer, R R 032089
Beuzit, G 040381
Beveridge, I 035094, 035096
Beverly, J R 034781
Beversdorf, W D 037391
Bevz, N S 033827
Bewer, C 031487
Bewley, J D 037260, 037384
Beye, F 039371
Beye, G 041140
Beyer, Charles E 032563
Bezard, J 036948
Bezborodova, S I 036770
Bezsmertnaya, I N 036971
Bezzubov, A A 033339
Bhadane, N R 037175
Bhadrayya, T 038083
Bhag Mal, 036498
Bhagwan, H 033531
Bhaid, M U 034390
Bhakdi, S 033803
Bhakdi-Lehnen, B 033803
Bhalla, S C 039852
Bhan, A K 039284
Bhan, S 038028
Bhandri, M C 036722
Bhargava, A K 033981, 034899
Bhargava, P K 034411
Bhargava, S N 038717
Bhargava, V 038707
Bhashyam, M K 033265
Bhat, H R 039462
Bhatia, I S 037191
Bhatia, K L 035073
Bhatia, O P 041232
Bhatia, Y S 035418
Bhatnagar, D S 033967
Bhatnagar, S C 032782
Bhatnagar, S R 031309
Bhatt, K P 031308
Bhatti, M B 033142
Bhimasena Rao, M 032079, 032992
Bhiravamurty, P V 036299
Bholen, J C 035744
Bhumbla, D R 040981
Bialczyk, J 036847
Bialek, K 037670
Bianchi, A A 037353, 037972
Bianchi, A L 034172
Bianu, I 040527
Bibb, T L 034464
Bibikova, V A 039503
Bibrack, B 035141
Bicchi, C 037194
Bichevaia, L P 035807
Bickel, S 037695
Bidan, G 039935
Bidan, P 033356
Bidari, V B 038748
Biddington, N L 038360
Bidleman, T F 041617
Bidner, T D 032108, 033097, 034436, 034729, 034735
Bie, R 032993
Bieber, L L 034151
Bieker, R 031414
Bielinska-Czarnecka, M 037670
Bienkiewicz, P 040850
Bieri, J G 032280, 032434
Biersdorf, G T 041608, 041609
Bigger, M 039888
Biggs, E 041594
Biiashev, G Z 037570
Bil', K IA 036288, 037430
Bildt, K 040313, 040317
Bille, N 035174
Billen, G 041511
Billet, D 037291
Billewicz, W Z 032187
Billing, E 038864
Bil'skii, V 031278
Bilteanu, G 041054
Bilyk, B V 035815
Bilyk, P P 037723
Bilyk, V M 039188
Bindloss, A A 033519
Bindra, O S 039359
Bindra, U 037747
Bing, B 038631
Bing, F C 032355
Bing, O H L 032387
Bingham, E T 036449, 037391
Bingham, F T 039019
Bingham, M E 031416
Binkerd, E F 033078, 041589
Binkerd, Evan F 032672
Binkerd, R C 041560
Binkley, S 033887
Binns, E S 040023
Birbeck, M S C 035006
Birbin, S S 035246
Birch, A J 037289
Bird, A F 039032
Birecka, H 037809
Birken, S 037014
Birky, C W Jr 036398
Birnaure, I 041414
Biro, Mrs G M 038561
Birtek, F 031099
Bisaz, S 033844
Bisdom, E B A 040707
Biserte, G 033798
Bisgaard, M 035169
Bishop, A W 040580
Bishop, D G 036974
Bishop, F W 041486
Bishop, L J 032773
Bishop, W H 033037
Bishop, W S Jr 041486
Bishr, M A 037469
Bis'ko, N A 040688
Bisson, M A 037055
Bisti, S 034176
Biswas, A K 041495
Biswas, M R 041495
Biszku, E 033703
Bitney, L L 031500
Bittle, J L 035060
Bitton, G 041487
Bivins, J L 039332
Bizilj-Kremzar, L 037197
Bizova, I 034233
Bjerk, J E 032123
Blachly, C H 041680
Black, A E 032187
Black, J D F 041440
Blackburn, B O 034975
Blackie, M J 034460
Blackman, R L 039833
Blackwell, D 041650
Blackwell, J H 031976
Blagovolin, N S 040605
Blaha, J 038407
Blaha, J D 033661, 034473, 034474
Blaha, T 035372
Blaha, W 035517
Blahovec, J 034223
Blaim, H 037501, 037508, 037510, 037511
Blaim, K 037503
Blaine, R L 032815
Blair, E L 034078
Blair, Eulalia 032632, 032633, 032697
Blair, G B 031635
Blair, R 033540
Blakeney, A 036564
Blakewood, B W 035144
Blamey, F P C 040863
Blanaru, V 041050
Blanch, G E 031900
Blanchard, E J 033185
Blanckenburg, P von 031934
Blaney, W M 039848
Blanka, R 041685
Blankenhorn, P R 035899
Blankenship, R E 037697
Blas, J C de 033739
Blaser, R E 033662
Blasie, J K 037656
Blasse, W 041154
Blaszyk, P 039085
Blatteis, C M 034019
Blaydes, D F 036927
Blecher, S R 039824
Blehr, O 036193
Blekherman, B E 034936
Blendl, H 035150
Blickle, P 031062
Bliesener, K M 033310
Bliss, F A 032210, 036430
Bliss, L C 036191
Blobaum, R 040898
Blobel, H 035290
Blok, J 033308
Bloksma, A H 033273
Blomberg, L 035726
Blomdqvist, S 035635
Blondeel, H 034987
Bloomer, A C 038930
Bloor, C M 034021
Blossfeld, O 035767
Blotkamp, J 034994
Blount, J F 036868
Blue, R L 038894
Blumberg, P M 033855
Blumel, B 031996
Blundell, T L 037059
Boakye-Yiadom, K 037192
Boardman, N K 037652
Boatman, D J 041351
Bobeiko, V A 036913
Bobek, S 034542
Bobeyko, V A 037171
Bobko, A N 035575
Bobkova, T S 037328
Bobrov, A V 033711
Bobrov, E G 035981
Bocanet, R 038109
Boccignone, M 032392
Bocharova, N N 037216
Bocharova-Messner, O M 039930
Bochow, H 038983
Bochsbichler, K 031244
Bocion, P F 037693
Bock, R de 036360, 036361
Bockelee-Morvan, A 033533
Bockenhoff, E 031521
Bode, J 040205
Bodenstein, D 039900
Bodet, J M 038099
Bodyfelt, F W 032980
Boecker, B B 035413
Boehner, A W 035745
Boelcke, W A 031173
Boer, F de 034327
Boer, K den 031572
Boerma, H R 036437, 038895
Boers, A 031429
Boesiger, B 033699
Bofinger, V J 031747
Bogachev, A V 040063
Bogatov, L V 034243, 035438
Bogatyrev, L G 036188
Bogdanov, I I 039499
Bogdanov, V A 039087
Bogdanova, L I 038178
Boger, L L 031634, 031643
Bogh-Sorensen, L 033125
Bogorad, L 036542
Bogoroditskaia, V P 032146
Boguspaev, K K 037661
Bohatyrenko, A K 038527
Boher, B 038622
Bohinc, P 037197
Bohlen, J M 031139
Bohling, H 033055
Bohm, M K 039642
Bohm, R 035266
Bohme, C 039100
Bohme, I 034926
Bohme, L 040937
Bohme, R 034921
Bohn, A 034204, 035834
Bohn, H 033861
Bohstedt, G 033694
Boiarchenkov, M A 041253
Boiarintseva, G G 034488
Boichenko, E A 036942
Boiko, A T 034868
Boiko, E N 034809
Boiko, I F 040363
Boikov, D 037722
Boikov, S 041423
Bokemeier, F 031696
Bokermann, R 041448
Bokuchava, M A 033343
Bolanos, R 035449
Bolarinwa, Y 034676
Bole, J B 040882
Bolelova, Z A 036652
Bolger, P M 034110
Bolin, H R 032234
Boling, J A 037549
Bollag, J M 039572
Boller, E F 039618
Bolli, P 031427
Bollich, C N 036444, 037997
Bolognesi, D P 035135
Bolotin, E I 039502
Bolotina, I N 040821
Bolotnikova, E V 036675
Bolotskii, I A 035236
Bolsen, K K 034412, 034418
Bolshakov, O 032754
Bol'shakova, M D 040268
Bolstad, J 038776
Bolt, G H 041018
Bolton, A J 036022
Bolton, G R 035335
Bolton, N J 033907
Bomar, M T 033055
Bombardelli, E 037807
Bombosch, S 041621
Bommer, B 037282
Bonacina, C 032738, 032762
Bonartseva, G N 037219
Bonati, A 037807
Bond, D E 032034
Bond, G 037247, 038092
Bond, G C 034016
Bond, H 036245
Bondar', P F 040743
Bondarenko, A D 038076
Bondarenko, A M 036364
Bondarenko, I M 035208
Bondarenko, N H 034868
Bondarenko, V I 037604, 038196
Bondarenko, Z P 034936
Bondarev, G N 037118
Bondareva, V IA 040719
Bonderf, 039539
Bondie, J 037780
Bondietti, E 040633
Bondurant, J A 041390
Bonev, M 038134
Bongartz, G 033904
Bonhomme, R 037490
Boniecka, B 039530
Bonnemaire, J 034287
Bonner, W D Jr 037650, 037658
Bonnett, R 031982
Bontempo, E 041224
Bonting, S L 033812, 033930
Bonzon, B 040954
Boodt, M de 041171, 041172
Book, S A 035412
Boom, B K 038497
Booth, B C 037088
Booth, J E 034668, 034670
Booth, R H 033468
Booth, W D 034699
Booy, R W 032474
Borbenyi, E 031575
Bordas, C 035024
Borden, R W 041434
Bordi, F 037803
Bordoni, F 031532
Boreham, P F L 039511
Borg, A 039303
Borgen, L 036333
Borggreve, G J 033275
Borgida, L P 033545, 034289
Borgstrom, G 031426, 031838
Borgstrom, Georg 032538
Borhidi, A 035993
Borikhina, M G 036774, 037223
Borin, G 032724, 032725
Borisov, G 041062
Borisov, G N 038801
Borisova, A G 033481
Borisova, G V 034627
Borisova, I G 037679
Borisova, N I 040879
Borisova, T G 037226
Borisyuk, V A 036466
Bormann, G 040436
Borner, F 038302
Borner, P 039910
Borner, T 036549
Boro, C 035031
Borovik, R V 035202
Borovikov, E M 035809
Borovkov, A V 040754
Borovskii, M I 037567
Borowiec, S 039535
Borresen, B 034917
Borresen, S 036609
Borrmann, K 040437
Borshch, S F 038204
Borst, P 036592
Borsting, E 033129
Borst-Pauwels, G W F H 036814
Borsub, L 037288
Borutskii, E V 040176
Boryaev, K I 036889
Boryczko, Z 034588, 035009
Borysiuk, V O 037606
Boscher, J 034567
Boseck, J K 037992, 038022
Boshnakov, P 038859
Boshoff, W H 040399
Bosia, A 033197
Bosman, D J 034547
Boss, B 033777
Boss, Donna 032622, 032679
Bosshard, H H 035779
Boston, A C 032108, 034729, 034732, 034733
Boston, P 031988
Bostrom, T E 037041
Boswell, S B 038279, 038366
Bosworth, W 035095
Botev, D 038130
Botha, C E J 036349
Botsman, Peter B 032592
Botta, G 033336
Bottcher, F K 040192, 040193
Bottcher, J 038316
Botticher, W 032049
Botwin, J 035831
Boudet, A M 037825
Boudny, J 040482
Boudon, M 032368
Boughton, H G 034560
Bouillant, M L 033821
Bouissou, M F 034241
Boulard, C 039402
Boullard, B 035501
Boulware, R F 034438
Bouma, J C 031687
Bounias, M 040197, 040198, 040199, 040200
Bourgueil, P 034991
Bourne, F J 033996
Bourns, T K R 035217
Bouska, J 034519
Boutitbonnes, P 031941
Bouton, P E 033092, 033094
Bouverot, P 034136
Bouychou, J G 040957
Bouyer, J J 033708
Bovalo, F 033367
Boven, B van 035605
Bovey, P 039346
Bowden, B F 037893
Bowden, J 040100
Bowden, J A 034011
Bowers, J A 032250
Bowers, J L 038268
Bowes, G W 039576
Bowie, A J 041371
Bowker, R M 033712
Bowlus, S B 037061
Bowman, G A 032169, 033592, 035695
Bowman, J 039865
Boxberger, J 039690
Boyce, J S 040670
Boyce, S G 035559, 036252
Boyd, A S 031670
Boyd, G S 034198, 034200
Boyd, J D 035716
Boyd, J W 032739
Boyd, L L 031116
Boyer, W P 039447
Boyer, Y 037495, 040382
Boyle, H L 039108
Boylston, E K 031954
Bozhok, A A 035669
Bozova, L 037531, 037719
Braarud, T 037255
Braca, G 035301
Bradbury, E M 037313
Bradbury, I K 037917
Brade, H 035291

Braden, W F 030991
Bradley, E 033915
Bradley, J W 033103, 034456
Bradley, J W A 035181
Bradshaw, J G 031949
Bradu, N V 038472
Bragg, D B 033535
Bragg, E R 031687
Bragina, T A 034216
Braginskaya, F I 032717
Brahma, S K 033888
Brahmakshatriya, R D 033568
Braman, R S 041525
Branas, J 031226
Branca, C 037803
Brand, A 033875
Branden, R 036929
Brandes, G A 035991
Brandon, D M 038966
Brandyk, T 041463
Branfman, A R 037258
Branson, B A 039809
Brantner, J H 037364
Brantsevich, L G 037700
Brar, J S 038437
Brar, L S 038434
Brar, S S 038126
Braud, M 040902, 040959
Braude, R 034272
Brauer, P 040389
Braune, E 034831
Braune, S 034751, 034753, 034754
Bravenboer, S K 038503
Braverman, S W 038939
Bray, C E 031453
Bray, G A 032295
Brazhnikova, Zh V 037716
Breazu, I 038145
Brechin, M 031650
Bredikhin, N P 040473
Breedlove, S E 031585
Breemen, N van 040755, 040756, 040781, 040782
Breitenstein, K G 034830
Breitschuh, G 041002
Brejoux, P 033450
Brekke, C J 034043
Bremen, L von 031346
Bremner, J M 040796, 040798, 040802
Bremond, R 041636
Brendel, M 037125
Brenna, H K 031291, 031295, 031296
Brennan, E 039017
Brennan, P A 039419
Brenner, K V 035428
Bresk, B 034914
Breslau, B R 032956
Bresler, E 040783
Breslin, P J R 031648
Bressan, R A 037519
Bressani, R 033208, 034372
Brestansky, I 035382, 035383
Bret, B 031022
Breter, M 035359
Breternitz, R 040912
Bretthauer, R K 033759
Breus, N M 040731
Brewbaker, J L 036441
Brewen, J G 034758
Brewer, E N 037022
Brewer, H L 039307
Brewer, J M 036785
Brewer, R 038246
Brewer, R N 033916
Brewerton, D V 038294
Brewster, L C 033411
Breyer, D 033232
Breymeyer, A 039998
Brezhnev, D D 035932
Brezina, R 034959, 039472
Bria, N 038115
Brian, R 033259
Briand, F J 037094
Briceno, O 032309
Brichetti, C 033331
Bricogne, G 038930
Bridgeman, P H 038262
Bridges, J 039595
Briggs, George M 032380
Brin, M 032179, 032316
Brinckman, F E 041468, 041469
Bringans, P 039145
Brinholi, O 037379
Brinkley, H J 034003
Brinkman, M A 037942
Briozzo Beltrame, J 039319
Brisbourne, D R 040892
Brisson, G J 032283
Brisson, J D 035995, 038590
Brittain, J E 040019
Britten, E J 036568
Britton, J 033505
Britton, S 034175, 035199
Britz, T J 032131
Briz, J 031016, 032174
Brock, A R 040786
Brock, J H 034986
Brockman, R 033204
Brockman, R P 033845
Broda, R 031340
Brodecky, V 034009
Broders, M 031539, 031540
Brodey, K 039706
Brodner, O 037080
Brodnik, T 038791
Brodnyan, J G 032914
Brodskaia, T V 039758
Brodskii, A K 039711
Brodskii, V YA 039932
Broggi, M F 041611
Brohier, R L 038520
Broido, A 035718
Broise, Y 040592
Brokenshire, T 038822
Brombeer, J 037149
Bronner, R 039232
Bronnimann, A 038847
Brooke, O G 032325
Brooker, J R 032070
Brookman, J F 032955
Brooks, F L 041184
Brooks, J M 040699
Brooks, P H 034274
Brooks, R C 033123
Brooks, R E 035951
Brooks, R R 039041
Brosi, B J M 035118
Broughton, W B 039832
Brousse-Gaury, P 039650
Brovko, L YU 036806
Brower, D L 041608, 041609
Brower, J H 039653
Brown, A H D 036392, 039752
Brown, A M 033598
Brown, Albert T 032433
Brown, B 031252
Brown, C G 036004
Brown, C L 035479
Brown, C M 039272
Brown, C R 033161, 034681
Brown, D F 032116
Brown, E G 037311
Brown, J 031694, 036190
Brown, Judith E 032686
Brown, K S Jr 040091
Brown, L C 036791, 041301
Brown, Lester R 032555, 032556
Brown, M A 034419
Brown, M B 038761
Brown, M E 040654
Brown, M J 041390
Brown, P J 033996
Brown, R S 033175, 037242
Brown, S F 040588
Brown, S O 037166
Browne, J S 034077
Browne, L B 039611
Browning, B 034803
Brownrigg, J T 041564
Broz, J 034515
Bruce, H 038445
Bruch, Hilde 032442
Bruchwald, A 035529
Bruckbauer, H 038903
Bruckler, J 035290
Bruckner, D 040196
Bruckner, H 031380
Bruere, A N 034762
Brugues, M 035937
Bruk, M S 040823
Brummer, J M 033233
Brun, L J 040697
Brun, R 038289
Brundell, D J 037789, 038416
Brune, H 034530
Bruneau de Mire, P 040565
Brunette, J R 033895
Bruno, J S 033185
Brunser, O 032293
Brunsting, J R 034135
Brusch, R 034574
Bruse, R 031025
Brush, R O 031194
Brusilovskii, S A 033474
Brust, E 040203
Bryan, Frank L 032667
Bryant, A M 033561
Bryant, J A 037871
Bryant, M J 034560
Brysau, M S 037001
Brzezinska, Z 033896
Brzezinska-Slebodzinska, E 034589
Buban, T 038265
Bubb, H D 035125
Buchanan, G A 039129
Buchanan, Pauline 032563
Buchanan, R L Jr 036776
Buchanan, Robert D 032573
Buchar, J 040150
Bucher, G A 034797
Buchert, A 039138
Buchmann, A 041648
Buckley, L J 032068
Buckner, D H 041603
Buckner, R C 037549
Budagian, F E 032152
Budden, J 035143
Buddle, R 035158
Bude, A 038104
Budlong, T L 032969
Budnitskaia, E V 037679
Budtz-Olsen, O E 034163
Budun, A S 040720
Budzikiewicz, H 036853
Buenadicha, P 040864
Buescher, R W 033388
Bueso, C E 033418
Buffington, D E 031116
Bugaeva, A A 032482
Bugakova, A N 037701
Buhlmann, G 039909
Buhse, H E Jr 039637
Buidin, V V 036707
Buining, A F H 036145, 036146
Buitelaar, B 038069
Buitoni, B 031152
Bukhanevich, A M 033827
Bulacio, A R 036632
Bulaev, V E 040878
Bulavko, A G 041257
Bulbul, M 031196
Buldus, I 032899
Bull, D L 039562, 039564
Bull, F 031970
Bullock, A L 031953
Bullock, R M 038361
Bul'maga, V P 037702
Bulyzhenkov, V E 039929
Bul'zhenkov, V E 039763
Bumgardner, H L 033693
Bunescu, S 039052
Bunger, U 033669, 033676
Bunnell, F L 036187, 036190
Bunyan, J 032190
Bunyan, P J 039556
Buonocore, C 033349
Burakova, O V 039972
Buravchuk, N I 040837
Buravtsev, V N 041270
Burdick, M D 041201
Burdon, J J 038576
Burdon, R H 039798
Bureau, M 034136
Burenin, V 033555
Buret, M 037614
Burford, J R 040802
Burg, P F J van 041099
Burger, M 035155
Burger, O J 031884
Burgess, D R 034053
Burgess, W E 034794
Burgett, M 040185
Burgress, W E 034796
Buriak, E S 035813
Bur'ian, N I 033475
Burk, R L 035337
Burke, C W 032162
Burke, H R 039317, 040037
Burke, R E 035562
Burke, T J 034616, 035339
Burkhardt, C C 037390, 040188
Burkhead, C E 041637
Burlacu, G 041051
Burlakov, IU M 031938
Burley, J 035653
Burman, B K R 031080
Burmeister, E G 039962
Burne, J D 037978
Burnos, N N 035598
Burns, D K 041408
Burns, M W III 037174
Burns, R B 033854
Burns, R M 038279
Burns, W C 034405
Burns, W J 031111
Burny, A 036563
Buromskii, V I 038178
Burov, V A 034866
Burr, P 040325
Burrell, N J 039418
Burrows, M 039845, 039846
Bursa, M 031158
Burska, Z 033691
Burszewska-Samiec, H 037504
Burton, J A 034760
Burton, R D 034199
Burton, T 041320
Burton, V E 039266
Burtsev, V I 035208
Burtsev, V IA 037217
Burwell, R E 041143
Bur'yan, N I 036062
Burzynski, J 039011
Busca, M 032107
Busch, L 038590
Busch, M 038316
Buschbom, R L 040804
Buscher, G 039517
Buser, P 033708
Bush, L P 037549
Bushing, R W 039266, 039267
Bushkov, V P 037851
Bushmarina, T V 038798
Bushuk, W 033198
Bushuyeva, YE N 040817
Businelli, M 039526
Busler, W 031285
Buss, D H 032230
Bustarret, J 036373, 040406
Bustos Herrera, O 033469
Busvine, J R 039444
Butani, D K 039285, 039286
Butcher, D N 036345
Butel, J 032521
Butenko, R G 036547, 036677
Butin, IU G 040388
Butler, P J G 038930
Butler, P R 035909
Butsykin, A M 041277
Butt, V S 037640
Butterfield, B G 035777, 035778
Butterworth, C E Jr 032300
Buttery, R G 032854
Buttress, N 033871
Butz, E L 031885
Buyle, A 031494
Buys, J 035118
Buzay, K 041315
Buzea, I 040525, 040526
Buzhak, F T 041087
Byam, L 040842
Bychkova, E N 035284
Byers, G W 036034
Byers, J R 038968
Byford, W J 038567, 039137
Bykov, V G 041428
Bykova, E P 039719
Bykova, R P 034868
Bylund, G 033024
Byrne, T G 037711, 037712
Bystrykh, E E 037573
Bystryts'kyi, V S 041126
Bytenskii, V YA 035790
Byth, D E 036568, 036571
Bytschwarowa, Z 031324
Byvalova, T A 038802
Cabadaj, R 034858, 034950, 034951
Cabanac, M 033890
Cabanilla, L S 031470
Cabezas, M T 034372
Cable, D R 038174
Cable, J 039629
Cabrera, S S de 033449
Cada, F 035263
Cadigal, V L 041023
Cadillat, R M 031616
Caea, D 039052
Caedo, M 032261
Caillol, M 034689
Cain, J E 037656
Cairney, I M 033037
Cairns, J Jr 041576
Cakajda, E 031927
Cake, M H 033779
Cakebread, S H 032774
Calabrese, L 034137
Calamari, T A 031952
Calandra, R 041484
Calatoiu, A 034484
Calavan, E C 038894
Caldeira, W 031917
Caldera, P G 037462
Caldwell, M M 037037
Calet, C 034392
Caliciuri, M 033367
Callec, J J 039777
Callis, J J 031976
Calloway, D H 032285
Calmes, J 037141
Caltenco, S 041648
Calvarano, I 033366
Calvert, Gene Paul 032379
Calvert, Susan W 032379
Camargo, C A 040225
Camargo, C A de 040243
Camargo, J M F de 039956
Camenga, B C 041407
Camerini, A 041226
Cameron, J D 034037
Camou, R 035198
Camougis, G 041347
Campadelli-Fiume, G 036925
Campbell, B 035103
Campbell, D J 036071
Campbell, E O 036067
Campbell, H 032805
Campbell, J W 034036
Campbell, N A 039813
Campbell, P I 041332
Campbell, R G 034277
Campbell, T C 032113
Campbell, W F 035189
Campos, H de 040893
Campos Onetti, R 034971
Canderle, J 034863
Candidi-Tommasi, R 035554
Canelli, E 041459
Cann, D C 032077
Cannings, C 034704
Canseco, L 032276
Cantar, F 038118
Cantarelli, G 031775
Cantley, L C 037647
Cantor, C R 037768, 037769, 037770, 037771, 037773
Capela, M da C N 031852
Capen, C C 033726, 035319
Cappa, V 034280
Cappelli, C 038758
Capriles, J M 040031
Caputto, B L 034113
Caputto, R 034113
Carbonell Bruhn, J 039319
Carden, E L 037992
Cardillo, G 037287
Cardinal, A 036074
Cardinali, A 040567
Caretta, G 036213
Carey, J R 039651
Cargill, B F 033398
Carillon, R 040338
Carini, S 032107
Carithers, R W 035100
Carle, C J 034467
Carle, J 034475, 034478
Carle, P 037907
Carlier, L A 041082
Carlo, D J 032714
Carloni, L 040559
Carlson, A D 039860, 039861
Carlson, B E 040462
Carlson, J 040838
Carlson, R E 031088
Carlson, S D 039674
Carlson, W 038256
Carlson, W H 038298
Carlsson, G 036700
Carlucci, F 034882
Carmeli, C 037698
Carmiggelt, C J W 036949
Carmo, A T 031558
Carnahan, H L 036445
Carol, R 032281
Carosella, J M 032093
Caroselli, N E 038694
Carothers, Z B 036351
Carpenter, C P 035442, 035443, 035444
Carpenter, E J 037090
Carpenter, F G 032066, 033162, 033163
Carpenter, F H 034041
Carpenter, J C Jr 031482, 034436, 038079
Carpenter, J W 034350
Carpenter, K J 033528
Carpenter, W J 037733, 038298
Carpenter, W L 030992
Carpenter, Z L 033088
Carr, J T Jr 041294
Carr, M K V 038388
Carroll, H W 034156
Carrow, R N 037822
Carruba, M 032384
Carruth, L A 038963
Carruthers, I B 033507
Carson, H L 039901
Carter, D L 041390
Carter, H O 031870
Carter, K C 039676
Carter, M 040949
Carter, M E 031953
Carter, R C 033663, 034464, 034465, 034479, 034795
Carter, V 031209
Cartier, J J 039354
Caruba, G 038639
Carver, M F F 037846
Carver, R A 037938
Casadevall Vilanova, D 035027
Casagrande, A A 040571
Casalicchio, G 040662
Casalis, J 032986
Casarosa, L 034980, 034982
Casas de Puig, C 035935, 036259
Cascieri, M 034665
Case, R M 033946
Caserio, G 032990
Casey, H 041248
Cash, K L 041203
Caslavka, J 034515
Casnocha, E 035265
Cassel, D K 040769
Cassier, P 039743
Cassilly, J P 032344
Cassin, S 034155
Cassis, R H Jr 041295
Castelli, G 035045
Castellino, F J 033759
Castillo, L S 034378
Castro, P R C 037378
Caswell, L F 033572, 034471
Cataldo, Michael F 032511
Catalfamo, J 037809
Catherall, P L 038919
Catley, B J 037308
Catlin, P B 037632
Catrina, W 033081
Catsky, J 036828, 037742
Cauderon, A 037944
Caulini, G 034137
Caulton, J H 037103
Cava, M P 037064
Cavaille, F 034667
Cavalieri, E 035394
Cavalieri, S W 036781
Cavanaugh, J F 03?784
Cavender, J C 035952, 035953
Ceapoiu, N 038121
Ceccarelli, S 037973
Ceccarelli, V 035298
Cecchini, J P 037894, 037895
Cecconi, G 041233
Cech, Z 034949
Cedell, T 031733, 038163, 038164, 038168
Cederquist, N W 041384
Cela, M 035298, 035299
Cellerino, C P 038611
Cellier, K M 040905
Cembrowicz, R G 041453
Cenci, C A 037973
Cene, G K 041259
Cenni, B 034282, 034283
Cepede, Michel 032231
Cerda, J J 032311
Cerini, M 034688
Cerna, J 035064, 035374
Cernohous, J 035379
Cernusca, A 036198
Cerny, M 034863
Cerny, V 039457, 040082
Cervelli, S 041600
Cervenka, J 035274
Cervinkova, M 034946
Cesarz, W 031334
Cesnik, R 036401
Ceustermans, N 037877, 038519
Chabardes, D 034123
Chabot, J F 033203
Chachua, L Sh 037577
Chadha, P C 038041
Chadwick, A 033907
Chaev, E 038061
Chafkin, S 031847
Chahal, B S 039426
Chahal, D S 033243, 038656
Chai, P P K 035602
Chailakhian, M Kh 036936, 036937, 037397, 037399, 037401
Chain, K 032845
Chakaraborti, J 032083
Chakir, IA M 041428
Chakkaphak, C 040404
Chakko, T V 039800
Chakrabarti, R K 041596
Chakraborty, L N 038029
Chakraborty, P K 033886
Chakraborty, T 039280
Chakravorty, S 031312
Chakravorty, S P 040851
Chalarca, J 031914
Chaloner, W G 036273
Chalyi, I I 038209
Chambaz, E M 033868
Chamberlain, E E 038927
Chamberlain, J A 038919
Chamberlain, W F 039478
Chambers, K L 036053
Chambroy, Y 037614
Chaminade, R 040967
Champion, R 038796
Champness, J N 038930
Chan, J A 034170, 036805
Chan, K L 041283
Chan, L 033323, 034642
Chan, M 037734
Chan Quang Nguoc, 036682
Chanana, Y R 039164
Chance, K 036789
Chand, R 032840
Chandler, J A 039511
Chandler, P T 034664
Chandler, R A 031962
Chandra, A L 036317
Chandra, J P 035652
Chandra, R 035654
Chandrappa, H M 036604

Chandrasekhara, H N 032418
Chandrasekhara, M R 032334, 032418
Chandrasekhara, N 037781
Chandrasekhariah, A M 038083
Chanet, R 036557, 036598
Chanev, K 038130
Chang, C F 041430
Chang, F C 032720, 041604
Chang, J F 039321
Chang, M C 033640
Chang, N C 033795
Chanishvili, Sh Sh 037855
Chansigaud, J 039624
Chapin, B 041650
Chapman, A B 034662
Chapman, D G 032038
Chapman, S B 036225
Chapurin, V I 040533
Charalambides, A A 031982
Chararas, C 039374
Chararas, P C 039402
Chardon, M G 041638
Chari, S 034763
Charles, D F 033172
Charles, J A 040357
Charles, P 038483
Charlesworth, B 039862, 039863, 039864
Charlesworth, D 039862, 039863, 039864
Charley, J L 036222
Charlton, P J 031499
Charman, H P 035108
Charney, J 036247
Charnley, T 037133
Charnock, J S 034105
Charvat, I 037774
Charvat, I D 036362
Chase, V C 036487
Chathmanukian, S G 032742
Chatlin, Judith A 032596
Chatrath, M S 038695, 038718
Chatterjee, A 031310
Chatterjee, A C 032058, 041597
Chatterjee, B N 040920
Chatterjee, P 033858
Chatterjee, S K 036996
Chattopadhyay, S B 038667
Chaturvedi, G C 032081
Chaturvedi, H C 037753
Chaturvedi, P P 033245
Chau, Y K 041283
Chaudhari, H K 036431
Chaudhry, H S 039740
Chaudhry, P N 036026
Chaudhuri, R K 037183
Chaudhuri, S 039328
Chaud-Netto, J 040245
Chauhan, R S 033967
Chausov, V M 033464
Chawdhury, A K 038909
Chebernina, T F 038799
Checheneva, T N 036704
Cheeke, P R 035369
Cheema, S S 039327
Cheetham, R N Jr 041387
Cheglakova, Z 041004
Chekalina, I N 036468
Chekishev, V M 035201
Chekunova, E V 039761
Chekunova, L N 037328
Chelini, A 031153
Chelnokov, V G 040049
Chema, S 035028
Chen, C L 037780
Chen, C W 041539
Chen, G S 040238
Chen, I S 037031
Chen, P S 039907, 039910
Chen, R F 036321
Chen, S S 034073
Chen, Y H 036579
Chen, Y M 037363
Cheney, N P 035482
Cheng, T C 035124
Cheng, T Y 036125
Chenost, M 034291
Chenulu, V V 038689
Chepigo, S V 032718
Cherepanov, G G 034491
Cherkasov, A D 039972
Cherkesova, G V 037211
Chermenskaya, I E 037354
Chernenko, L A 033476
Chernenko, T V 033212
Cherniavskaia, T N 037705
Cherniavskii, N V 035493
Chernick, V 033849
Chernik, V V 036283
Chernisheva, S 037405
Chernov, YU I 036196
Chernov, YU J 036203
Chernykh, A G 038745
Chernysh, V G 037216
Chernyshev, V B 039958
Cherry, J P 032341, 038582
Cherry, M 040907
Cheshmedzhiev, B 034535
Chesnokova, M P 037118
Chessel, D 036239
Chesters, G 040596, 040597, 041532
Chestnut, D M B 034296
Chetal, U 033993
Chew, W Y 041109, 041110
Cheyney, C C 038280
Chhabra, B R 037750
Chhotani, O B 040166
Chia, W K 037048
Chian, E S K 041643
Chichester, C O 032299, 032312, 032837, 036775, 037759
Chihara, M 036113
Chik, E A R bin 035833
Chikov, V I 037445, 037579
Childs, C W 040704
Chilvers, G A 038576
Chin, H F 037847, 038955
Ching, F 038391
Chinnock, R J 036070
Chiranjivi Rao, K 040984
Chirife, J 032851
Chirila, C 039160
Chirva, V YA 036895
Chisci, G 041164
Chisolm, J J Jr 032039
Chistiakov, A V 031937
Chistiakov, I IA 034853
Chistiakova, L P 033575
Chiu, H W 037040
Chizhikova, N P 040575
Chizhov, O S 036848, 036898
Chladecky, F 034943
Chmora, S N 036938
Cho, H J 035037
Chochieva, K I 036142
Chochieva, M M 035807
Chohan, J S 038652, 038703, 038782
Choi, E 041637
Cholewinski, G 034565
Chomakov, Kh 032159, 033035
Chong, C 038442
Choo, J K 039655
Choong, E T 035898
Chopin, A 032988
Chopra, A K 038032
Chopra, B L 038675
Chopra, R C 035417
Chopra, S C 032084
Chopyak, A M 036769
Chortyk, O T 032852
Chothia, C 037481
Chou, C C 033169, 035390
Chou, K C 033517
Chou, P Y 032834
Choudhary, S S 032084
Chow, C K 032271
Chow, P N P 039106
Chowdhury, A K 038908
Chowdhury, A R 037753
Chowdhury, N K 035322
Chrisler, D 031826
Christen, U 032224
Christensen, C M 033550
Christensen, F 037374
Christensen, H A 039480
Christensen, J 035429
Christensen, J K 033559
Christensen, M H 041631
Christensen, O 039494
Christensen, P 038246, 040880, 041230
Christensen, S P L 037593
Christenson, D R 040788
Christensson, D 035172, 035173
Christian, H 041368
Christian, J 034911
Christiansen, A 031363
Christopher, K J 035327
Chrometzka, P 041129
Chrysanthus, F 040171
Chu, C F 041604
Chu, F S 032112, 032720
Chu, H 039674
Chu, L J C 037389
Chubb, R C 035081
Chudakova, I V 039930
Chudobiecki, J 035870
Chudy, A 031338
Chueca, A 037808
Chugg, J C 040761
Chugunkova, T V 036705
Chumachenko, I IA 040549
Chumaevskaia, M A 038873
Chumikina, L V 037648
Chunaev, A S 036545
Chunakova, E P 032488
Church, T 041476
Churdaleva, E V 032498
Churiumov, A S 035247
Churms, S C 032769
Chvala, M 039977
Chyla, M 034227
Cibes, H R 039014
Ciegler, A 032114
Ciernik, J 034512
Ciesielska, Z 039428
Ciesla, W 040753
Cionini, P G 036492
Ciravolo, T G 041652
Ciriciofolo, E 037972
Cirulli, M 038731
Ciubotaru, C 038145
Civille, G V 033095
Civinini, S 031254, 033601
Cizkova-Macurkova, R 037366
Clark, A III 035626
Clark, C H 034890
Clark, D H 035890
Clark, G A 032197
Clark, H F 039492
Clark, J H 034145
Clark, L R 039635, 039636
Clark, R C 034163, 040462
Clark, V A 032352
Clarke, A R P 040905
Clarke, B J 032860
Clarke, D E 033009
Clarke, J A K 032345
Clarke, M A 032066, 033159
Clarke, M A ed 033182
Clarke, P L 034158
Clarke, R M 032364
Clarke, V J 034374
Clarkson, A R 035162
Clauna, M S 035759
Claus, R 033927
Clausen, C P 039204
Clauss, B 032156
Claussner, W 040428
Clavijo, H 034376
Clawson, M 035615
Claxton, J 034353
Clayton, M F 038521
Clayton, M N 035923, 036107
Clayton, R N 040771
Cleland, R E 037528
Clemencon, H 035961
Clemente, G 037462
Clements, R W 035891
Clermont, G 034915
Clesceri, N L 041540
Cleveland, W S 041657
Clifton, I D 031149
Cline, T R 034415
Clini, V 035394
Clippert, G H 035537
Clique, A 034123
Cloix, J F 034122
Cloosterin, B 031495
Clotan, G 038119
Cloud, B 041411
Clough, W S 036176
Clydesdale, F M 032374
Clynes, M M 039943
Coadwell, W J 035182
Cobbs, G 039751
Cocco, D 034137
Cochet, C 033868
Cochran, D G 039772
Cochran, L C 037727
Cochrane, W W 031841
Codrescu, A 038119
Cody, F W J 034071
Coffelt, T A 033571
Coffey, J 032272
Coggiatti, S 038386
Coggins, C R 035888
Cognee, M 037386
Cohen, A 037239
Cohen, D 037520
Cohen, E 038568
Cohen, E L 032455
Cohen, E M 032387
Cohen, M H 031576
Cohen, N 036760
Cohen, Y 037134, 038581, 038583, 041508
Cohn, D V 033814
Cojarcaru, M 033573
Colagrande, O 031947, 033335
Colas, B 033046
Colborne, A J 037516
Colbow, K 036808
Cole, C A 041603
Cole, D F 037388
Cole, D J A 034274
Cole, H S 032267
Cole, K 036112, 036340
Cole, T A 034325
Coleman, N L 041376
Coleman, O D 039677
Coleman, S W 034406
Colin, M 034290
Collett, M S 035132
Collier, Linda 031989
Collinge, A J 037050
Collins, D P 040891
Collins, E R Jr 041652, 041653
Collins, J 033877
Collins, M T 037558
Collins, T I 038760, 038775
Colomb, M 033819
Colombani, B 034282
Colombani, G 034283
Colombo, E 033332
Colson, X 035027
Colwell, R R 032115
Colyer, D 031166
Coman, M 034485
Combes, B 034150
Combs, G F Jr 032269
Comini, G 032738, 032762
Comis, N 033022
Compagnon, P 040966
Compaire Fernandez, C 031534, 034877, 034972
Compton, W A 036421
Comte, J 033805
Conant, D S 036637
Condon, B N 037349
Condratenco, T 031124
Conkerton, Edith J 032383
Conner, B H 032516
Conner, C J 033177
Conner, R N 035477
Connolly, J 033638
Conover, C A 038358
Conrad, C E 041377
Conrad, H R 034458
Conrad, J H 033525
Conroy, J 036974
Constantinescu, C 035018, 035019
Contini, A 035220
Conway, E 036340
Conway, K L 034418
Cook, G M W 033790
Cook, L J 033206
Cook, R A 032356
Cook, R E 033693
Cook, R T A 038740
Cook, W L 036233
Cooke, B M 038822
Cooke, D A 038954
Cooke, F 039664
Cooley, K R 041177
Coolman, F 040501
Coombs, D F 034446
Coombs, T L 041519
Cooper, A S Jr 031952, 031955
Cooper, C L 039474
Cooper, G N 035000
Cooper, J I 038888, 038901
Cooper, M J 034643
Cooper, R W 035658
Cooperband, S R 032286
Cooperman, J M 032267
Coote, D R 041658
Cooter, J 040012
Copeland, L O 038872
Copenhaver, J S 034464, 034465, 034795
Copich, W J 034904
Corba, J 035229, 035261
Corbeil, L B 035310
Corbel, M J 035115
Corbetta, F 041477
Corcino, J J 032260
Cordano, A 032327
Cordelet, C 034287
Cordell, H K 041651
Cordey-Hayes, M 031033
Cordonnier, J M 031904
Cords, G B 035340
Coretti, K 033057, 033058
Corgan, J N 037737
Cormareche-Leydier, M 033890
Cormier, R 033188
Cornier, A 040956
Cornwell, J C 034723, 034727, 034728
Correa, H 032213
Correll, D S 035945
Correns, E 035725
Corsini, P C 040571
Corte, A 038728
Corty, F L 031440, 041237
Corvisier, M 037931
Corvol, P 034121
Cosmin, O 038121
Cosmin, S 039160
Costa, G 037837, 038384
Costache, A 032900
Costamagna, L 032943, 032944
Costantini, F 039525
Costantino, R F 039654
Costanzo, F 036925
Costilow, R N 031950
Cothran, W R 039264
Cotner, S 038414
Cotte, G 031340
Cottrell, J C 037091
Couch, J R 033103, 034456
Coudert, M 035021, 035022
Coughlin, R E 041427
Coulon, K J Jr 031440
Coulson, A H 032352
Coulthard, T L 033535
Courbis, R 031807
Courtney, Carolyn 032552
Courtois, J E 039402
Cousens, M I 036386
Coutinho, N 033192, 037984
Coutts, M P 037890
Couture, L 038777
Covarelli, G 039097
Cover, William H 032612
Coviello, R L 039267
Cowan, G 034007
Cowan, R S 036119
Cowell, C 032281
Cowell, N D 032745
Cowen, W F Jr 033221
Cox, J 040900
Cox, L M 041306
Cox, R I 034545
Cox, T L 040718
Coy, J F 032233
Coyaud, M D 041638
Crabill, R E Jr 040138
Crabo, B G 034661
Craddock, W J 031193
Craig, D A 040110
Craig, D L 038444
Craig, F G 040933
Cramois, 030994
Cranage, S 034009
Crandall, M 037103
Crane, E 032824, 032831, 038546, 040233, 040236
Crane, P L 036715
Cranwell, P A 040635
Craven, K G 032942
Cravioto, J 032298, 032365
Crawford, G N C 033998
Crawford, K W 031465
Creasy, D N 031649
Creed, K E 033960
Cremaschi, D 034131
Cresswell, P R 034212
Cretenet, M 040903
Cribiu, E P 034567
Criley, R A 038352, 038354
Crisp, D C 040083
Cristoferi, G 037837
Criswell, L G 032802
Crites, J L 039474
Crivelli, G 033349
Croce, C M 034582
Crofts, R M J 034401
Crohain, A 041080
Croizier, G 039615
Crompton, G 036179
Cromwell, Cynthia 031990
Cron, H J 040434
Cronquist, J 033704
Crooke, M 035464
Crooks, M 038868
Cropp, R A 031543
Cropper, J 033518
Croset, H 039983
Crosley, A C 039612
Cross, C E 032271
Cross, Marie Z 032598
Cross, R A 032956
Crossley, E L 032981
Crossley, R 040029
Crousillat, J 033771
Crout, D H G 037161
Crow, P N 040020
Crow, S A 036233
Crowder, L V 038085
Crowell, W A 034889
Crowson, R A 040024
Crozier, A 037819
Crusevan, A 032900
Crush, J R 040701
Cryer, D R 037106
Crystal, M M 039475, 039487
Csaba, F 035191
Csaszar, J 037491
Csehi, M 031280
Csep, N 039052
Csire, L 034539
Csorba, L 040410
Cuckson, J 040581
Cucu, V 037189
Cucurachi, 038235
Cuddihy, R G 035413
Cuellar, A 032276
Cuenca, C L de 034919
Cuhrova, J 032855
Culbertson, M R 036591
Cullen, M J 039898
Cullison, A E 034417
Culp, T W 036433
Culvenor, C C J 039101
Cumming, I A 034690, 034691
Cumming, W A 032386
Cummins, J E 037131
Cundiff, L V 034870
Cunliffe, H R 031976
Cunningham, A C 034417
Cunningham, B T 036235
Cunningham, E P 034615
Cunningham, J C 039382
Cunningham, R B 031749
Cunnington, A M 039417
Curfs, H P F 040399
Curl, T 034788, 034789
Currie, F 040517
Currier, G J 034069
Curry, Mabel 032608
Curtis, Carl T 032536
Curtis, J O 040370
Curtis, N M Jr 041179
Curtis, S E 034000
Cusa, S 034484
Cusack, P D 039419
Cushing, V J 041302
Custudio, C C 034378
Cutchin, D L 041317
Cuthbert, F P Jr 038634, 039336
Cuthbertson, A 033086
Cutler, R G 033809
Cutter, E G 037040
Cutting, C L 033047
Cuylle, G 033039, 033040
Czako, J 033594, 033698
Czeczuga, B 039400
Czerkawski, J W 034099
Cziesielski, E 035762
Czychowski, M 041679
Czygan, F C 036795
Dabin, B 040640
Dabnikov, H 032513
Dabrowska, J 033707, 033838
Dacheaux, P 040453
Dadyzhenskaia, E P 037683
Daenicke, R 034332, 034334
Daft, M J 036211
Dagani, I 034885
Dagle, G E 033911
Dahl, D T 040369
Dahl, H K 035874
Dahle, P 037305
Dahlman, D L 039271
Dahlsten, D L 039220
Dai, T S 036227
Daigger, G C 031981
Dailey, R G Jr 037258
Daily, F K 037151
Dal Cin, G 033330
Dale, M R 036423
Dale, P J 036613
D'Alessandris Teresi, R 035719
Daletskaia, T V 037900
Dalgarn, M C 036241
Dalgas, K F 035732, 035733, 035734
Daljeet-Singh, K 039397
Dallam, W C 041365
D'Allessandria, A V H 033069
Dall'Orso, L M 031970
Dallwitz, M J 039635, 039636
Dalton, L 039710
Damak, M 037297
Damay, A 038460
D'Ambra, V 038639
Dambroth, M 041169
Damicaz, W 032996
Damptey, H B 037350
Dan, A 038112
Dandawate, C N 039464
Dandekar, P 034677
Dando, P 034570
Daneholt, B 039874
Daneliia, Z N 041249
Danell, B 034718
Danesch, E 039347
Danesch, O 039347
Dangarwala, R T 040657
Dange, S R S 038861
Daniel, J Y 034081
Danielian, A Kh 037668
Danielian, S G 040269
Daniels, L B 034325
Daniels, R B 040779, 040780
Daniels, R E 036221
Daniels, W D 031843
Danielsen, A 039147
Danilenko, I I 036529
Danilenko, I P 032137
Danilevskii, A S 033476
Danilov, IU M 041253
Dannacher, G 035021, 035022
Dantsig, E M 040057
D'Aprile, P N 035048
Daragan, YU A 040831
Darby, F J 039571
Darby, W J 032426

Darby, William J 032425, 032548
Darbyshire, J F 040656
Darchen, R 040191
Darcheville, M 041076
Darda, P N 035017
D'Arey, W G 035962
Dargan, K S 040981
Dargel, D 034307
Darley, M 036306
D'Arrezo, Carol M 032572
Dart, P J 040652
Darwish, A 034368
Das, D V M 032840
Das Gupta, D K 037451
Das, M 040920
Das, P K 039280
Das, V S R 036075
Dascalescu, N 041418
Dasgupta, K P 040927
Dasgupta, P R 033974
Dashevskii, V I 039396
Dashkevich, T N 033478
Daskaloff, C 036476
Dasov, G M 040360
Date, W B 033269, 038735
Datey, C D 031464
Datsenko, V K 040568
Datta, A R 039280
Datta, S 039804
Datunashvili, E N 033343, 033479
Daussant, J 033549
Dave, J M 032973
Davey, K G 039667, 039668
Davey, R J 034659
David, J 039615
David, M 034204
Davidek, J 032855
Davidiuk, L P 033439
Davidov, G M 035805
Davidova, E G 037237
Davids, L J 035129
Davidse, G 036050
Davidson, J 035906
Davidson, Murray 032443
Davidson, W D 032980
Davie, E W 033780, 033781
Davies, B H 036793
Davies, B R 041493
Davies, D G 034015
Davies, D M 039857
Davies, D T 034054
Davies, J 037104
Davies, M K 038564
Davies, M S 037471
Davies, R W 039905
Davies, T S 035403
Davis, A S 032127
Davis, C E 033090
Davis, C H 041027
Davis, C S 039324
Davis, Carole 032640
Davis, D L 033251
Davis, J H 034445
Davis, Keith 032580
Davis, L E 034083
Davis, M A 035308
Davis, M C 040086
Davis, R E 037834, 038454
Davis, S B 032356
Davis, S H 038977
Davydenko, R F 035236
Davydov, V D 040832
Davydova, L P 034508
Davydova, N I 036331
Dawes, C J 036268
Dawson, A M 032185
Dawson, E B 032290
Dawson, R M 037160
Dawydow, A 033547
Day, F T 032776
Day, J M 040652
Day, R J 035642
Day, T L 038223
Dayas, R 031159
Dayton, D F 037638
Dayton, S 032268
Daza, C H 032043
Dazzo, F 037355
Dazzo, F B 036175
De Camilli, P 033963
De Capite, L 035908, 035958, 035959, 035960
De Champlain, J 033851
De Fabritiis, C 031528
De Haas, H J 033678
De Kretser, D M 034690, 034691
De la Cruz, R Z 035755
De Marchi, A 031549
De Marco, A 039878
De Martini, M 035513, 041226
De Nayer, P 032163
De Pont, J J H H M 033812
De Serres, F J 036600
De Simone, G 032778, 041503
De Vela, B C 035751
De Visscher, M 032163
Deac, I 041052
Dean, P M 033962
DeAngelis, M 035422
Dearn, J M 039729
Deat, M 040901, 040972
DeBano, L F 041377
DeBaun, J R 039593
Debergh, P 037786
Debevere, J M 032109, 032875
Debor, H W 038244
Debouzie, D 036239
Decena, A S 035755
Dechezlepretre, S 035392
Deck, B L 041472
Decotte, A M 037659
DeCoursey, D G 041181, 041369
Dedek, J 033098
Dedek, W 039554
Dedov, V M 037706
Dee, J 037256
Deeble, K 034771
D'Eeckenbrugge, G C 041328
Deemer, E M 032514
Dees, F H 032106
DeFoliart, G R 039473, 039485
DeFord, J 032311
Degheele, D 039871
Degos, J C 040460
Degtiar', R G 036910
DeHaan, R L 034063
Dehne, J 038324
Dehodiuk, E H 041127
Deichmann, W B 039546
Deidda, P 038381
Deighton, F C 036158
Deinhardt, F 034713
Deinum, J 036929
Deist, J 041139
Dejean, A 039816
Dekanosidze, G E 036895
Dekaprelevich, L L 036519
Dekhkankhodzhayeva, S Kh 041096
Dekker, R F H 038817
Del Pezzo, L 041503
Del Re, A 031947
Del Selva, J E 032061
Del Vecchio, A J 033224
Delachambre, J 039939
Delage-Darchen, B 040191
DeLahunta, A 035051, 035309
Delcour, J 039738
Delevoryas, T 036130
Delgado, H 032257, 032273
Delgado, R 034021
D'Elia de Diaz Botta, B E 038936
DeLicardie, E R 032298
Deligne, J 039817
Dell, B 035965
Dell'Acqua, R C 041527
Dell'Amore, G 031421
Dell'Angelo, G 031777
Dell'uomo, A 036019
DeLong, D M 040040
Delort-Laval, J 033510, 033545, 034289
Delperee, R 040221, 040222, 040223
Deltombe-Lietaert, M C 039738
Deluca, H F 032215, 033770, 034035
DeLuca, L M 033787
Delvi, M H 039038
DeMan, J M 032953
Demarquilly, C 034292, 034293
Demayo, A 041337
Dembinski, F 038096
Demchenko, M F 038180
Demchenko, S I 036547
Demeczky, M 032786
Dement, W A 037168
Dem'ianovskii, K I 035808
Demidov, V A 035232
Demidova, L S 035915
Demirjian, A 032313
Demkin, A P 038076
Dempster, D 035713
Demuth, M R 037008
Denbsky, G 032820
Dence, C W 035878
Dencheva, A V 037274
Deneken, E 040514
Deneva, T 037830
Dengler, N G 036291
Denis, G 033744
Denisenko, IA IA 041090
Denisenko, P 031278
Denisiuk, A L 037841
Denisov, V V 031130
Denisova, A V 039602
Denisova, E V 037570
Denisova, G A 036839
Denisova, R A 034603
Denmark, H A 040088
Dennis, C 038568
Dennis, F G 036960
Denniss, A R 033940
Denny, H R 033996
Denton, M F 035954
Denton, O A 036765
Deomampo, N R 031200
Deoras, P J 038998
Depelchin, A 034988
Depew, C G 033104
Deppe, H J 035764
Depuit, E J 037037
Derbeneva, N N 040076
Derbesy, M 036860
D'Ercole, N 038724, 038725, 038726, 038729
Derenne, J P 034008
Derevyts'kyi, A V 031238
Deriugina, T F 037912
Derivaux, J 034572
DeRouen, T M 034442, 034445, 034736
Deryugina, L I 036869
Des Bouvrie, C 041228
Desai, H K 036985
Desai, M V 036998
Desana, P 031780
Deshevykh, N D 039895
Deshpande, K B 038603, 038906
Deshpande, V R 033968
Desikachar, H S R 033265
Desmecht, M 034989
Desmet, G 037801
Desmeules, M 033852
Desmier de Chenon, R 039238
Despois, P 034291
Desrosieres, R 036088
Dessouki, S M 036379, 036380
Deterling, D 031908, 033294, 036625, 038123
Deumi, Y 032465, 032466
Deutsch, L 033870
Deutsch, Ronald M 032506
Devadas, R P 031311
Devadasan, K 032798
Devaux, C 034121
Devay, M 037447
DeWalle, F B 041643
Dewan, M L 035079
Dewar, A E 034164
DeWet, J M J 036399
Dewey, D H 033385
Dewey, D R 035997
Dewey, W G 036447, 036448
DeWitt, J R 039297, 039358
Dezsery, M 038945
Dezsi, L 037333
Dhaliwal, G S 039435
Dhand, R K 039658
Dhanda, R S 036165
Dhanda, V 039463
Dhanju, A S 038703
Dhanuka, O P 031469
Dhar, A K 038601
Dhar, N R 031849, 038547, 040978, 040980, 041161
Dhar, S J 038601
Dhennin, L 035020, 035020
Dherbomez, M 032987
Dhillon, B S 039164
Dhillon, R S 037750
Dhindsa, K S 037340
Dhindsa, R S 037260
Dhingra, L D 033700
Dhir, R P 041232
Dhua, S P 040927
Di Corcia, A 032789
Di Giacomo, A 033365, 033366, 033367
Di Modugno, G 035049, 035402
Di Muro, A 039005
Di Pietro, A 033821
Di Prisco, G 033760
Di Toro, D M 041543
Diaconescu, L 032900
Diakov, G 032904
Diakun, F A 035594
Diaz, L F 041501
Dick, J B 038635
Dick, R I 041467, 041646
Dick, R L 033127
Dickens, J W 033300
Dickerson, T V 035344
Dickinson, F N 034580
Dickinson, H G 036271
Dickinson, J 038618
Dickinson, W 036223
Dickler, E 039078, 039370
Dickson, A J 034213
Dickson, E J M 031416
Dickson, K L 041576
DiCostanzo, S R 031611
Didehvar, F 037633
Didenko, L V 032481
Didik, H 040327
Diego Gomez P, L 035947
Diehl, K H 032799
Diercks, R 038843
Dietrichs, H H 035904
Diez Ochoa, J 034879
Diez, T 041356
Dighe, K K 035007
Dijkstra, J A 041447
Dikov, G I 035256
Dilday, R H 036391
Diligenti, R 034984
Dill, L M 039665
Dillard, C J 032340
Dillman, W F 032096
Dillow, D W 040997
Dilovski, M 035056
Dimit, R M 031026, 031027
Dimitrov, K 031319
Dimitrova, A 035055
Dimopoullos, G T 035143
Dimov, I 037722
Dimov, N 038355
Dimov, V 034605
Dimri, B P 038537
Dinachi, M 033290
Dinca, D 041054
Dinchev, D 040750
Dinechin, B D de 031068
Dinesen, N 032809
Dineva, A I 039501
Dingwall, A L 032805
Dinius, D A 034407
Dinklage, K 031050
Dinusson, W E 034452
Dirige, O 032278
Dirks, O B 032472
Dirven, J G P 041098
Disney, R H L 040010
Dissing, H 036083
Dissmeyer, G E 035606
D'Itri, F 041502
Dittrich, G 041002
Diuev, I F 031355
Diueva, L V 031355
Diul'ger, T B 040533
Divac, I 033706
Dive, D 041647
Divizia, M T 036632
Dixit, V K 041243
Dixon, S E 040249
Dmitrenko, N P 033827
Dmitriev, V S 041263
Dmitrovskii, A A 032177
Dobbs, K S 036556
Dobersky, P 036833
Dobre, V 041419
Dobrescu, C 040519, 040522, 040527
Dobrev, D 038137
Dobreva, E I 039919
Dobrianskaia, L F 038559
Dobroliubskii, O K 037341
Dobrontei, E 032784
Dobroruka, L J 039513
Dobrosotkov, V V 036640
Dobson, J 032305
Dochevski, D D 034244
Dodge, J D 036337
Dodich, B N 034149
Dodson, A K 038891
Doehler, R C 031726
Doering, E J 040697
Doersch, R E 039088
Dohan, D A 033198
Doherty, P C 034999
Dohler, W 039728
Dohne, E 040510
Dohrman, Kent 032566
Doi, Y 033195, 033196, 038884, 038885
Dokiya, Y 037284
Dokuchaeva, E N 038526
Dolan, G F 034022
Dolezel, F 034226
Dolgikh, S T 036681
Dolgoborodova, V P 041087
Dolgov, B S 038077
Dolgova, L G 040811
Dolgova, M S 034491
Dolidze, TS V 041094
Dolin, V G 040180
Dolobovskaya, A S 040833
Doltorniazov, I Kh 035454
Domanska, H 039155
Domanski, E 034543, 034544
Dominguez, M 033050
Dominik, J 039393
Domsch, K H 039600
Donadieu, P 036239
Donahue, R 032975
Donahue, R L 041183
Donahue, T F 036591
Donald, C M 041287
Donaldson, D J 031951
Donaldson, G L 033209
Donati, M 031256
Donchenko, A S 035239
Donchenko, V N 035239
Donchev, A 037726
Doneva, M 038135
Donica, L D 041366
Donini, B 036482, 037404
Donini, P 032938, 038236
Donker, J D 034411
Donnerbauer, H J 032000, 033903
D'Onofrio, D 031529
Dooley, C J 032011
Dooley, D R 034905
Doolittle, D P 034675
Doom, D 039405
Dorfer, W 041002
Dorn, A S 035420
Dornfeldt, K 039957
Dorobantu, R 035191
Dorogostaiskaya, E V 036203
Dorokhov, V V 037226, 037232
Dorosinskii, L M 037960
Dosako, S 032928
Doss, R P 037711, 037712
Dott, H M 034679
Doube, B M 039483
Doucet, J F 032734
Doucha, J 036829
Dougherty, C T 037485
Doughty, C 034668, 034670
Douglas, H C 036560
Douglas, W W 033952
Doull, K M 040256, 040258
Dourado, F M 036104
Dover, G A 039886
Dovhanyk, M I 034237
Dovrat, A 037480, 038020
Dow, J M 037049
Dowding, P 036192
Dowe, H 040330
Dowell, B 033897
Dowlaszewicz, E 032984
Dowling, J F 033160, 039344, 040102, 040103
Downe, A E R 039488
Downes, T E H 033031
Downs, J E 039854
Downs, P R 041236
Downton, W J S 039032
Doyle, D 034104
Doyle, J A 036343
Doyle, M P 032102
Dragavtsev, V A 036524
Draghici, D 035193
Draghici, L 038104, 038121
Draginskaya, L YA 036690
Dragnev, Kh 034245
Dragomir, N 038145
Dragunov, S S 040812
Drake, D W 037891
Drake, G L Jr 031951, 031960
Dray, F 039743
Draycott, A P 037977, 040994
Drboglav, E S 033481
Dreier, A F 038093, 038094
Drelichowski, L 031121
Drews, M 031698, 031699
Driagalin, N N 035279
Drianovska, O 037410
Drochner, W 034428
Droeven, G 041077
Dronova, H V 037606
Drost, S 035157
Drost, W 041312
Drouschiotis, D 038048
Drozd, G G 036629
Drozdov, S N 037862
Drozdova, I S 037449
Drozdovskaya, L N 039917, 039918, 039927
Drummond, H E 031502
Drury, D G 036063
Du Cros, M J F 041566
Du Plessis, C S 033320
Du Plessix, C J 031068, 040956
Du Prey, P de la R 040345
Duarte de Barros, W 031107
Dubernard, J 038971, 040953
Dubetz, S 040882
Dubey, G S 038911
Dubey, O P 040115
Dubitskii, A M 039895
Dubitzki, E 039292
Dubovyi, S Z 035235
Dubrivin, V F 031387
Dubroeucq, H 033749, 034295
Dubrovskaia, A A 037402
Dubuc, M 033895
Duckett, A M 039848
Ducloux, J 034121
Ducoff, H S 039903
Dudani, A T 032965
Dudareva, N T 033341
Dudchenko, B G 040730
Dudenko, I K 041251
Dudkin, M S 033261, 037009
Dudley, J W 036419
Dudzinski, M L 031752, 037349
Duee, P H 034294
Dueland, R 035309
Duey, D D 031500
Duffus, J H 037111
Dufrenot, L 033283
Dugal, B S 033794
Duich, J M 041057
Duinker, J C 041514
Duke, E J 039943
Dukes, P D 038634
Dukhovnyi, V A 041269, 041270
Dulesova, K 041006
Dulova, M K 037276
Dulphy, J P 034292, 034293
Dumont, B L 033041
Dumont, R 031789
Dumser, J B 039667, 039668
Dun, E A 035207
Dunbar, D 038251
Dunbar, S A 034017
Duncan, G A 033636
Duncan, J R 035310
Duncan, M A 034975
Dungerdorzh, D 036869
Dunin-Barkovskii, L V 041278
Dunlap, Charles E 032670
Dunlap, S 034725
Dunlop, M R J 033497
Dunmore, J C 031825
Dunn, J A 039316
Dunn, M 038269
Dunnick, W 034147
Dunning, R A 038953, 039291
Dunsterville, E 036099
Dunsterville, G C K 036099
Dupaigne, P 033371
Dupont, H L 032030
Duraiswami, S 034763
Durand, L 034568
Duranti, E 034286
Dure, L S III 037364
Durgeat, M 037291
Durham, P J K 035161, 035163
Durie, P 039469
During, H 037883
Duris, V 035385
Durmishidze, S V 037635
Durodola, J I 037199
Durr, P 033466
Durrant, B 034205
Durrant, M J 040994
Durre, S 034921
Durst, G G Sr 039941
Dursun, N 033745, 033746
Dusanovs'kyi, S L 031390
Dusbabek, F 039455
Dushev, E 031725
Dushkova, P I 037274
Dutchin, IA N 035596
Duteurtre, B 032728
Dutt, B M 041597
Dutt, S 038646, 038650, 038655, 038659
Dutta, G P 040659
Dutton, G J 033801
Dutton, R E 034015
Duve, J 033001
Duyff, Roberta 032378
Dvorak, J 035272
Dvorak, M 035374
Dvorakova, D 035266
Dwarakanath, S K 039856
Dwarakinath, R 031110
Dworakowska, I 039997
Dwyer, J F 035558
Dyadyun, S T 034600
Dyball, R E J 034056
Dybwad, S 031815
Dyce, E J 032828
Dyck, P L 038593
Dyer, M I 039015
Dyke, I L 035445
Dyke, K van 036927
Dykhanov, N N 036892
Dyko, B J 036230
Dyreborg-Carlsen, B 031513
Dzerzhinskii, V A 039895
Dzhabakhishvili, N A 033775
Dzhakeli, E Z 037267
Dzhibilov, I I 035205
Dzhikiya, A N 037635
Dzhmukhadze, V A 035249
Dzhokadze, D I 037269
Dzhokhadze, D I 034195
Dzhumyrko, S F 036882
Dzhura, N I 032896
Dzhusupova, R Zh 033825
Dzhuvinov, V 032027

Dziaruhina, T F 035656
Dziuba, J 032996
Dzneladze, A A 038812
Eakin, R E 036778
Eala, R C 035753
Eapen, S 032085
Earle, E D 037728
Earle, R L 033014
Earley, L E 034154
Eason, R L 034156
East, R 039295
Easter, C D 031372
Easterday, B C 035072
Eastwood, B R 034785
Ebba, T 038592
Ebel, R E 033763
Ebenebe, C 038837
Eberhard, W G 039914
Eberhart, S A 036432
Ebertus, R 034831
Ebine, H 033264
Ebsary, B A 039666
Eccher, A 035640
Eccleshall, R 037106
Eckblad, F E 036076, 036116
Eckbo, G 041552
Eckenfelder, W W 041633
Eckenwalder, J E 036056
Ecker, A 041354
Eckfeldt, J 034040
Eckholm, Erik P 032556
Ecobichon, D J 035408
Ede, D A 034051
Edel, W 035214
Edelstein, S 034343
Edelstein, T 036363
Edgar, E 036065
Edgcumbe, D J 037845
Edgerton, B R 040899
Edigarian, A N 033828
Edington, N 035114
Edland, T 039334
Edlund, M 039570
Edmeades, D E 034353
Edmunds, R S 032969
Edreva, A 038606
Edvi, P 034305
Edwards, A P 040670
Edwards, A W 041633
Edwards, D E 041320
Edwards, D G 038509
Edwards, D M 041298
Edwards, H H 038588
Edwards, L H 036446, 036453
Edwards, M D 041331
Efimochkina, E F 037113
Efron, Y 041281
Egami, F 037764
Egan, M C 032042
Eger, C 034897
Egerer, K 031379
Egger, J 035461
Egiazarian, A G 037666
Egofarova, R Kh 033441
Egorov, I A 033339, 033441, 035735
Egorov, N S 037219
Egorov, TS A 033783
Egorov, V G 038197
Egorov, V V 040740, 041255
Ehlert, D 033139
Ehrenhardt, H 037741, 038373, 038997
Ehret, W J 035126
Ehrhardt, E 034497
Eiberle, K 035481
Eichhorn, G L 035406
Eichhorn, K W 038996
Eichhorn, S E 036267
Eichler, C 040419, 040425
Eiden, J J 035165
Eidler, YA I 037676
Eimerl, S 033947
Einarsson, S 034764, 034766, 034767
Einsle, E 032821
Eisen, E J 034660
Eisenberg, S 032167
Eisenreich, M 040313
Eisler, R 041508
Eisner, G M 034110
Eitelgorge, A 038323
Ejchart, A 036502
Eke, I 038945
Ekholm, S 040132
Ekimovskii, A P 032487, 032492
Ekpenyong, T E 037332
Ekstrom, H 034718
Ekstrom, K E 034409
Ekvall, S W 032274, 032318
el Aama, F 033307
el Ashvakh, I T 033150
el Bagoury, O H 038152
el Farra, A K 033150
el Fattah, M M A 032245
el Gazzar, A M 040906
el Kobbia, T 040865
el Mohgazi, A M 037195
el Nadi, A H 041217
El Nockrashy, A S 033222
El Tayeb, I B 033834
Elander, R P 037045
el-Antably, H M M 037885, 037886
el-Ashry, M A 034264, 034268
el-Ashwah, I T 033151
el-Atawy, A Z 032936
el-Awady, S 039308
el-Azzouni, M M 037642, 038293
el-Bakry, A E 037952
el-Banna, E 040858, 040859
el-Bassam, N 040682
el-Bayoumy, K S 038185
el-Beheiry, M M 032929, 032930
Elbert, W C 041535
Elbin, J 034064
el-Bishlawy, S M 039208
El'chaninov, V V 035376
Elcombe, C R 039595
el-Dessouki, S A 039308
el-Din, N A N 038185
Eldridge, F L 034020
Eldridge, J 035918
Eldridge, J H 041664
Eldridge, K G 036392
Elek, G 033702
Elekes, P 038150
Elema, H M 040497, 040502
Elenkov, E 038608, 039135
el-Erian, A 032930
el-Erian, A F M 032931, 032933
el-Erlan, A 032929
el-Farra, A H 033151
Elfawal, M A 037469
el-Fouly, M M 037339
Elgamal, M H A 037135
El-Gamassy, A M 037691, 037692
Elgammal, M M 038232
el-Gazzar, H 032932
Elgee, H 033536
el-Gendy, S M 032931
Elgindi, I M 034257, 034258
el-Gogary, S 039260
el-Hammady, A A M 038292
el-Hammady, M M 038292
el-Hattab, H E 036381
el-Hindi, M H 037339
el-Hosseiny, F 035901
Elias, Gy 038000
Elias L, B 041648
Elisashvili, T A 040754
Eliseev, V G 040546
el-Itriby, S A 034266
Elkafory, A K 038232
el-Kifl, A 039308
Elkin, L 037206
El'kina, G I 032494
Elkins, L 032940
el-Koussy, L A 032934, 032935
El'kov, L V 035820
Ellendorff, F 034671
Ellenport, C R 034102
Eller, A L Jr 034798
Ellestad, G A 037066
Ellfolk, N 037407
Ellias, L 032092
Ellias, N A 038696
Elliot, J I 032411
Elliott, D O 034416
Elliott, H J 039885
Ellis, B G 037822
Ellis, D F 040999
Ellis, D V 035876
Ellis, H K 033860
Ellis, J C 035217
Ellis, J R 040674
Ellis, R Jr 041045
Ellis, W M 041376
Ellmore, T L 037387
Elmadfa, I 032246
Elmore, C L 039104, 039119, 039120, 039121, 039122, 039123, 039124, 039125, 039126
el-Nabawy, S M 033361
Eloesser, W 033484
Eloff, M 034546
el-Refai, A H 036997
Elrod, J C 038140
el-Sadak, M 032936
el-Sadek, G 032932
Elsaesser, F 034671
el-Samman, S 034266
Elschner, A 031335
el-Sergany, D Z 037952
Elsherbiny, A 034264
el-shinnawy, M M 034375
el-Shurafa, S Y 038293
Elsik, W C 036115
el-Sokkary, A M 032934
el-Swaify, S A 040758, 041177
el-Tawil, B A H 037135
Elterich, J 031414
Elven, R 035968
Elvinge, F 033656
Elvira, C de 033050
el-Zahab, A A A 037609
Elze, K 034744, 034749, 034751, 035364
Emaldi, G C 032990
Emara, E H 036381
Emel'ianov, V A 041252
Emerson, f H 038363
Emerson, J A 032070
Emerson, W W 040758
Emmatty, D A 038636
Emmelin, N 033964, 034162
Emslie, H A 035007
Enache, H 035194
Enari, L 036047
Enciu, M 038120
Ende, Z H 033940
Endo, H 033876
Endo, J 037073
Endo, M 034027
Endo, T 036407
Endoh, M 033833
Endrizzi, J E 036424
Eneva, S 041238, 041401
Engel, E 031289, 038323
Engel, F 031191
Engel, G 040430
Engel, R W 032261
Engel, W 033428
Engelbart, F 041677
Engle, A 032358
Englehardt, K 040355
Engler, P P 032250
Englert, W D 039075, 039369
English, P R 034274, 034401
Englund, W 038378
Engs, W D 035561
Engstrom, D R 035942
Engvild, K C 038863
Enica, G 038146
Enikeev, Kh K 038809
Enikeeva, N G 033149
Enikov, K 041032
Enochian, R V 032234
Ensminger, M E 034449
Entenzon, M M 041090
Entressangles, B 033820
Entrup, N L 037610
Eppler, B 041319, 041634
Ercan, Z S 033893
Erdmann, G 035167
Erdmann, G G 041114
Eremeev, IU I 035818
Eremeeva, N E 038899
Eremin, V M 036330
Eremina, G V 032496
Eres'ko, I S 040549
Erices, J 034749
Erickson, A E 040788
Erickson, E H 037394, 040241, 040250
Erickson, M 035878
Erickson, P A 041347
Ericsson, N A 038507
Ericsson, T 035636
Erinle, I D 038778
Eristavi, L I 036871
Erkenbrecher, C W 036234
Ermachenko, V A 032717
Ermenkov, K 033883
Ermilova, L K 032177
Ermokhin, V I 038178
Ermolina, E P 032149
Ernest, J T 035341
Ernhaft, J 033727, 034967
Ernst, L K 033666, 034187
Ernst, W 037918
Erokhin, P I 034186
Erokhina, A A 040608
Eronova, A L 041090
Eroshenko, A S 039049
Ershov, I I 037851
Ertl, J 031822
Ervandian, S G 036281
Erwin, D C 038772
Erwin, M 034803
Es, A J H van 034326
Esaac, E G 039260
Esau, K 036362, 037774
Eschbach, J M 040956
Eschenbach, E 031491
Escolano, E U 032819, 033226
Esfahani, M 033704
Es'kov, E K 040278
Esmay, M L 031768
Espagnac, H 036275
Espeland, M 036193
Espeloy, E B Jr 035757
Espersen, G 035168
Espitia L, M 040692
Esselen, W B 032808
Essien, F 034044, 034046
Essig, H W 039566
Estep, D A 034975
Estergreen, V L 033886
Estler, M 040465
Esuruoso, O F 038795
Et Al 031900, 033783, 035230, 035254, 036193, 036203, 036937, 036970, 036977, 037402
Etchegaray, H S 039266
Etchells, J L 031950
Eto, M 039448, 039529
Etoh, T 036583
Ettalibi, M 033822
Eucker, C C 041298
Eugster, C H 036801
Euler, G 041451
Eustatiu, N 038121
Evancho, G M 032078
Evans, A J 034344
Evans, F J 037186
Evans, G 035057
Evans, G O 039419
Evans, G W 032451, 034455
Evans, H E 039787
Evans, J M 034916
Evans, L E 034541
Evans, M C W 037257
Evans, M R 041649
Evans, N 037032
Evans, R T 039227
Evans, S A 038425
Evdokimova, N V 040878
Eveleigh, E S 039603
Evenari, M 031382
Evensen, D L 036108, 036338
Evereva, E G 037575
Eversmeyer, M G 038760, 038775
Evert, R F 036267, 036349
Evett, M 035718
Evgen'ev, M B 039766
Evison, L M 041630
Evseev, V 041004
Evstatieova, E 035273
Evstrat'eva, T M 037341
Evtimova, L 034538
Ewers, V 032256
Ewert, A 035095
Ewy, Z 034542
Exner, G U 034130
Ey, P 033803
Eyal, H 038583
Eyal, Z 038761
Eyman, L D 039577
Eyre, W A 040356
Eyster, G E 035340
Ezaki, T 035530, 035531, 035532, 035639, 035706, 035707
Ezawa, I 033769
Ezhov, V I 035240
Faas, R C 031774
Fabbri, F 036297
Faber, P J 035498
Fabian, A 035382, 035383
Fabian, R V Jr 041570
Fabos, J G 041550, 041556
Fabri, I 031986
Fabricant, J 035310
Facsko, M 033610
Fadeev, IU N 039244
Fadeeva, T S 036521
Fader, W 038370
Fadl, M S 037688, 037689, 038291
Fager, L F 041661
Fagerberg, W R 036268
Fahmy, M H 034557
Fahmy, T K 031943
Fahn, A 035774
Fahrig, R 034109
Faidley, L W 031768
Fain, A 039486
Fairbridge, C 037941
Fairchild, G F 031279
Fairclough, R J 034057
Fairey, D T 037382
Falais, M 037966
Falciai, M 041346
Falcon, L A 039205
Falconio, A 031013
Falisse, A 041079
Falk, R 039884
Falke, E V 039747
Falkenberg, H 033674
Fal'kova, T V 037272
Fal'kovich, IU E 033477
Fallon, A M 039640
Falls, J B 039386
Faludi-Daniel, A 037405, 037448
Famelis, T V 036185
Fan, L T 041313
Fan, P F 041393
Fan, T Y 033207
Fanfani, A 041478
Fanfani, R 031757
Farag, A H 032931, 032933
Faragher, J D 038520
Farago, F 041220
Farang-Azad, A 039519
Faras, A J 035132
Farcy, R P de 031145, 031241
Farence, D R Jr 037244
Farhatullah, 033142
Farina, R 034981
Farkas, J 033435
Farley, R A 031007, 038227
Farlin, S 031451
Farmer, J N 035099
Farnham, D S 037710, 038616, 039119, 039124, 039125, 039126
Farquhar, J W 032255
Farrell, A 034673
Farrohi, F 033419, 033422, 033423
Farrow, M G 036927
Farrow, R A 039209, 039632
Farrow, W M 035189
Farshad, M 035741
Farthing, M A C 032344
Fasler, A 032033
Fasman, G D 032834
Fast, E J 041308
Fateev, G S 034934
Faulkner, L C 035071
Faulstich, H 037080
Fauran, P 039443
Faure, J M 033743
Faust, H 039363
Faust, S D 041471, 041533, 041536
Fawcett, A A 034125
Fayez, M B E 037135
Feaster, C V 036427
Featherston, D W 035093
Feazel, J I 031482
Fed', I I 033481
Fedak, G 034597
Federova, I V 036515
Fedida, M 035021, 035022
Fedin, M A 036711
Fedorchenko, S F 033154
Fedorov, A K 035665
Fedorov, E A 040743
Fedorov, IU N 035209, 035210
Fedorov, V D 036838, 037277, 037327
Fedorova, A A 036935, 037264
Fedorova, G A 033113
Fedorova, I T 036185
Fedorova, I V 036525
Fedorovich, R M 032718
Fedoruk, P S 038201
Fedotov, V N 036914
Fedotova, V D 036526
Fedulina, N N 033575
Fedurkina, N V 033119
Feeney, P 041149
Feeney, R E 032195
Feher, Gy 038561
Fehr, W R 040462
Fehrmann, H 038837
Fei, B YU 037258
Feigina, M YU 033783
Feinberg, J I 032011
Feinstein, A 033871
Fejes, J 034854
Fekete, A 040556
Fekete, J 040555
Fekete, L 040853
Felbeck, G T Jr 040618, 040626
Feldheim, W 032157
Feldman, J F 036505
Feldman, L J 036295
Felgentreu, C 038302
Felipe, A 036383
Felipe, I de 031016, 032174
Felki, J 035264
Felkl, H 034429
Felkl, J 035268
Fell, L 033651
Fellenberg, G 037887
Fellows, C E 036051, 036053
Fellows, I F 031877
Felton, T 032804
Fengel, D 035839
Feniksova, R V 037117, 037227
Fennell, D J 037112
Fennell, R 031812
Fennestad, K L 034954
Fensom, D S 037039
Fenton, T E 031088
Feofilova, E P 037120
Ferenczi, S 033470
Fergin, V R 035802
Ferguson, F E 031632
Ferguson, T M 034456
Fernandes, D L V 035785
Fernandes, H L 033191
Fernandez Delgado, J 034968
Fernandez-Salgado, J 035784
Feron, V J 032012, 032013
Ferrar, P 039822
Ferree, M E 038405
Ferretti, R J 032342
Ferro, A M 033784
Ferroni, C 033144
Fertman, G I 033153
Fery, R L 038634, 039336
Fesenko, N V 036643
Fessler, A 038485, 038486, 038488, 038491, 038492
Feszler, L 035738
Fetuga, B L 034370, 034377
Feuilloley, P 040460
Feyerabend, G 039118
Fiadotau, U L 037001
Fiala, V 035456
Ficini, F 041342
Fick, G N 038597
Fiddler, W 032011
Fideghelli, C 038385
Fiebiger, G 035515
Fiedler, H 033773, 034830
Fiedler, H H 035353
Fiedler, W 038957
Field, G F 036858
Field, M J 033945
Field, R P 039366
Fielder, L L Jr 031569
Fieldhouse, D J 038365
Fields, P A 033088
Figaj, J 035690
Fikhte, B A 036307
Fikiin, A G 032751
Filamor, J R 033080
Filchakova, N N 032950
Filep, D 040746
Filer, L J Jr. 032205
Filev, K 036482
Filip, Z 040624
Filippi, B 032724, 032725
Filippov, L A 037623
Filippovich, I I 036971, 037681, 037682
Filiti, N 037837
Fillonneau, C 040954
Filonchuk, A G 035254
Filtenborg, O 032756
Finck, A 041116
Finco, D R 034889
Findlay, J K 034688, 034690, 034691
Findley, P 031872
Fine, P E M 035113
Fink, J K 033404
Fink, K 036816
Finkel'shtein, A V 035819
Finney, K F 033189, 033210
Finney, P L 033210
Finocchiaro, V 037368
Finot, Paul-Andre 032253
Fiori, L A 033167, 033168
Fiorino, 038235
Firsakova, S K 033567
Firsov, S P 035722
First, N L 034663
Firtel, R 036550
Firtel, R A 037056
Fischbeck, G 038843
Fischer, A R 034108
Fischer, B B 039104
Fischer, C 032005
Fischer, C M 031900
Fischer, K 033905, 035772, 040506, 041170
Fischer, M 040157, 040162
Fischetti, B 031090, 031863
Fisenko, S A 035278
Fisenne, O von 041618
Fiser, A 034942
Fishbein, M 032110
Fishcher, I 036807
Fisher, B E A 041491
Fisher, C R 036600
Fisher, G L 033910
Fisher, J 040897
Fisher, L E 034713
Fisher, L J 037988
Fisher, R F 032191
Fisun, M N 038524
Fiszer, W 031114
Fitton, M G 040094
Fitzgerald, J 033246
Fitzsimmons, B W 031982
Fitzthum, H 040323
Fjeld, A 036609
Flachowsky, G 034314, 034497
Flaig, W 040619
Flake, J C 032979
Flammini, C F 035222
Flann, I B 035748
Flannery, Robert J 032537
Flanzy, C 037614
Flanzy, J 032368
Flavin, M 037020

Flechet, J 034288
Flechtenmacher, W 032749
Fleet, G H 036817
Fleisch, H 033844
Fleischer, M 036300
Flemig, B 031473
Fleming, G 041395
Fleming, H P 031950
Flemmig, R 033126
Fleps, W 041421
Flessner, H 034578
Fletcher, H J 037319
Fletcher, J T 038747
Fliege, H F 038874
Flikke, a M 040368
Flint, A P F 034645, 034840
Flint, O P 034051
Floersheim, G L 035447
Florentin, C 038088
Florenzano, G 041599
Flores, A 035449
Flores Casanova, C 038241
Florescu, M 038122
Flori, P 038730
Florova, N B 037574
Floss, H G 037012
Flower-Ellis, J G K 036201
Flynn, A 034149
Flynn, K 035313
Foa-Tomasi, L 036925
Fobes, J F 036485
Foda, I U 033150
Foda, I W 033151
Fodge, D W 034047
Fogel, R 038827
Fogtmann, H P 031350
Fojtik, J 033605
Fok, Y S 041304
Foko, J 038951
Folch i Guillen, R 035937
Foldesova, M 034950, 034951
Follett, B K 034054
Folquer, F 038458
Foltin, E 040511
Fonseca, A C da 031434
Fonseca, C L C da 039452
Fontenil, R 031716
Fontenot, J P 033572, 033662, 033663, 033664, 034002, 034171, 034466, 034467, 034468, 034471, 034472, 034475, 034477, 034478, 034479, 034482
Forbes, I 038596
Forbes-Faulkner, J C 035161, 035163
Forbush, Julie 032206
Ford, A L 033092
Ford, C 033496
Ford, T H 040022
Ford, W F 032522
Forejtek, M 034859
Forer, A 039824
Forero C, J 040692
Forest, J 032447
Forgason, J L 034781
Forkel, H 041244
Fornasier, V 032386
Forno, D A 038509
Forrai, L 038000
Forsberg, R A 037942
Forster, M 034612
Forster, R L S 038929
Forsund, E 038743
Forsythe, H Y Jr 039242, 039362
Forti, G 037657
Fortmann, H R 031932
Fortushnyi, V O 035276
Fosberg, F R 035963
Fosberg, M A 040761
Foschi, S 038730
Fosmire, G J 032275
Foster, G V 033885
Foster, J M 041000
Foster, P M D 033580
Foster, R C 035716
Foster, R M comp 031402
Foster, W A 039858
Foster, W A 040089
Foster, W H 034573
Fotedar, R L 036262
Fotherby, K 032162
Fott, B 035961
Fottrell, P F 032462, 034215
Fouad, M M 038293
Fouchet, C 034694
Foucrier, J 039743
Fougere, W 032266
Fougerousse, M 035731
Fouquet, H 036930
Fournier, P 036562
Fousova, S 036544
Fowden, L 037548
Fowler, J C 031497
Fowler, M W 037939
Fowlie, J A 036098, 036105, 038424
Fox, D P 039676
Fox, H M 032303
Fox, J L 041487
Fox, S P 035900
Fraga, B M 037163
Fragata, M 037672
Fralick, R A 036137
Framji, K K 041261
Franceschini, N 039795
Franchimont, P 034763
Francis, B J 032464
Francis, F J 032374
Francomano, T 032277
Frank, A W 031957
Frank, F W 035031
Frank, O 032258
Franke, A 032104
Franke, D E 034593, 034594
Frankel, E N 033258
Frankel, J W 035189
Franklin, W E 033166
Franko, J 031316
Franssen, P G J 035213
Franz, G 031058
Fraser, C 034402
Fraser, D 032386
Fraser, L 034677
Fraser, M E 040665
Fraser, R 032162
Frasier, G W 041177
Frassine, W 031522
Frazier, B E 031215
Frear, D S 039555
Frech, R 039559
Fredeen, F J H 039449
Frederick, L L 040992
Frederick, V R 036096
Frederiksen, O 033931
Freeling, M 036506
Freeman, B M 033864
Freeman, M 039678
Freeman, W R 031692
Freer, J H 033925
Freeston, W D Jr 033106
Freezaillah, B C Y 035472
Fremont, L 032908
French, J R 038591
Frenyo, V 036725
Freudiger, U 035356
Freundova, A 035456
Frey, M 038460
Frey, M J 032290
Frey, R H 041570
Frey, W H II 034148
Freytag, P H 040040
Frias de Fernandez, A M 036633
Friberg, L 031988
Frick, J G Jr 033176, 033184
Fricke, H 032803
Frid, A S 037420
Fridland, V M 040575, 040602, 040606, 040734
Friebe, B 037314
Fried, H 031695
Fried, K J 035385
Fried, M 033872
Frieden, E H 033987
Friederichs, G A 031214
Friedman, P J 034022
Friedrich, G 038303
Frielinghaus, M 040411
Friend, B 032394
Friend, Berta 032395
Friesecke, H 034297
Friis, I 036094
Frilli, A 031420, 031422
Frisch, J E 034979
Frison, G 037904
Frison, R 031737
Frisque, G 035646
Fritsch, C W 032857
Fritz, H 033923
Fritz, J C 032197
Fritz, M E 033954
Fritzsch, M 034834, 035151
Fritzsche, K H 038317
Friz, C 031255
Frobish, L T 034414
Froblom, J 035845
Froeman, G A 033865
Frohlich, H 038306
Frolich, H 041152
Frolov, A F 034600
Frolov, A P 040875
Frolova, I A 032491
Fromter, E 033932
Frost, I A 035468
Frost, R G 036759
Frost, S W 040039
Frotscher, D 031285
Fruh, G 034830
Frye, R D 039403
Frye, S M comp 031766
Frye, T M 034468, 034472
Fryer, J R 034065
Fu, T T 033506
Fuchs, H 036144
Fuchs, Y 038623, 038624
Fudulov, D 041033
Fuganti, C 036753
Fuglein, O 033389
Fuguitt, G V 030999
Fuji, K 036850
Fujii, T 032711, 035307
Fujikawa, K 033781
Fujikawa, T 032849
Fujimaki, H 038571
Fujimoto, K 035535, 035638
Fujisaki, K 035705
Fujita, E 036850
Fujita, S C 040639
Fujiwara, K 035769
Fujiwara, M 033835
Fukami, J 039251
Fukasawa, H 037783
Fukuda, S 038353
Fukuda, Y 035307
Fukuhara, H 036824
Fukui, K 034074
Fukumoto, D W 038275
Fukuyama, K 037299
Fulga, I G 037842
Fuller, G L 037736
Fuller, H L 034373
Fuller, M F 034401
Fullerton, R A 038577
Fullmer, C S 033814
Fulton, Lois 032640
Funatsu, M 039613
Funck-Brentano, J L 034122
Fung, D Y C 032975
Funk, C R 036423, 036439
Funke, W 038372
Furchner, J E 033909
Furedi, J 039521
Furi, J 037738
Furk, C 040092
Furkert, R J 040703
Furletova, N M 036674
Furtado, J S 031845
Furugouri, K 034096
Furukawa, A 035660, 037925
Furuta, K 039389
Furuya, E 037016
Furuya, S 034424
Furuya, T 037170
Fushimi, T 034270, 035531, 035532, 035706, 035707, 035708, 041145
Fuss, F 040849
Fustec-Mathon, E 040624
Fuster, C 033050
Futrell, M C 038599
Fuwa, K 037284
Fux, T 039911
Fye, R E 039307
Fyffe, J 033801
Gaaboub, I A 039444
Gaare, E 036193
Gaba, K L 032966
Gabr, M 031433
Gabriels, D 041171, 041172
Gabriels, R 041074
Gabris, J 033136, 035386
Gabriyelyan, A G 040818
Gac, A 032735, 041466
Gachechiladze, G A 041249
Gachechiladze, M I 036660
Gachon, L 030995
Gadevska, A 037724
Gadgil, M D 036967
Gadiev, R Sh 039364
Gadsby, J E 034199
Gadzhiev, D M 041120
Gaertner, F H 037241
Gaevaia, N V 035973
Gaffal, K P 039950
Gaffarov, Kh Z 035202
Gaffney, L J 035345
Gafni, A 032833
Gagnaire, D 037295
Gagnon, M N 038533
Gagyi, D 033276
Gahan, P B 038858
Gaidamakin, N A 033774
Gaillardin, C 036562
Gaina, B S 033479
Gaitan, E 032331
Gajda, J 041464
Gajdosik, D 034232
Gajewski, J 031315
Gal, T 038945
Galal, A G 034368
Galbraich, L S 035722
Galcheva-Gargova, Z I 036912
Gale, R M 041337
Galimberti, A 033741
Galimova, L M 037328
Galinat, W C 036572
Galizzi, G 031092, 031533
Galizzi Vecchiotti Antaldi, G 034564
Galjart, B 031276
Gall, J G 039875
Gallagher, B 041318
Galland, A 031480, 031481
Galli, M G 036308
Gallo, J 034138
Gallo, M 036834
Gallova, T 034138
Galloway, J H 031096
Galoian, A A 033828
Gal'perin, I M 041278
Galpin, M F J 037317
Galstian-Avanesian, S Kh 036397
Galun, R 039479, 039505
Galuzo, I G 034964
Galvao, J D 038004
Galvao-Teles, A 032162
Galvez, J F 033739
Galzy, P 036948
Gamaiunova, M S 037704
Gamalei, IU V 036370
Gamazova, YE K 041095
Gambarian, L S 033900
Gambera, S E 032345
Gamble, E E 040779, 040780
Gambogi, P 038567
Gamburg, K Z 036943
Games, D E 037032
Gamzikova, O I 037572
Ganapathy, K M 038647
Ganapathy, K R 031110
Ganapati, S V 036790
Ganchev, G I 034532
Gandar, P W 037627, 037628
Gandawidjaja, D 038276
Gandy, D E 038090
Ganesh Kumar, K 032417
Ganeva, D 037829, 038633
Ganga Prasada Rao, N 036554
Gangadhara, M 036310
Gangarosa, E J 032031
Gangawane, L V 038906
Gangopadhyay, S 038666, 038667, 038698
Ganguli, A 033980
Ganguli, N C 032053, 032967, 035073
Ganguly, B 038910
Ganguly, P K 035077
Gangwar, S K 039230
Ganin, M D 034493
Ganiushina, E V 040843
Ganje, T J 039019
Gans, M 039750
Ganz, H 034117
Ganzenko, L F 034792
Gaplevskii, B P 035672
Gaponenko, V I 036977
Gaponova, V S 040311
Garab, G I 037405
Garaev, I S 038194
Garalapuri, V N 040560
Garavito Neira, F 040690
Garbalinskii, V A 033502
Garbuz, M 031936
Garcia, A 038937
Garcia, A E 038934, 038935, 038938
Garcia, B 032262
Garcia, D A 035308
Garcia de Otazo Lopez, J 039311
Garcia Ferrero, J L 034878
Garcia, M C 034001
Garcia, R 039220
Garcia-Bellido, A 040217
Garcia-Olmedo, F 036393
Garcia-Peregrin, E 037913
Gardiner, B O C 039847
Gardner, E J 035347, 039938
Gardner, G A 032072
Gardner, H E 031900
Gardner, Jerry G 032530
Gareeva, Kh Z 032896
Garel, J P 034292
Garg, D N 032081, 035076
Garg, S P 035186
Gargano, S 039859
Garibaldi Accati, E 038387
Garibian, A A 033900
Garina, K P 036954
Garland, T R 040804
Garlaschi, F M 037657
Garlick, P J 032180
Garnicheva, Z D 040687
Garofalo, C A 040242
Garr, Janice 032642, 032699
Garren, R 031900
Garrett, J R 033918, 033941, 033953
Garrett, P E 037008
Garrett, R E 033397, 033398, 040476
Garrido Fernandez, A 033381
Garris, G I 039481
Garrison, R H comp 038103
Gartaganis, P A 035885
Garvie, M B 039482
Garwes, D J 035164
Gary, N E 040190
Gascon, J P 032890
Gasienica, J 035868
Gasiorek, J 035009
Gaskin, P 036960
Gaspar, Z 041219
Gasperi-Campani, I 031093
Gatel, P 034463
Gattas, V 032299
Gatti, M 039878
Gatzke, E 033372
Gaughan, P J 039453
Gauhar, A 040857
Gaur, B L 038008
Gautam, A 033969
Gautam, K C 039127
Gautam, S C 035078
Gautheron, D C 033805, 033821, 033823
Gauthier, P 033851
Gautier, M 038264
Gautreaux, G A 033176, 033185
Gautvik, K M 033951
Gavasheli, N M 036871
Gavazzi, C 037351
Gavetta, B 037807
Gavina, F 038729
Gavis, J 037092
Gavrilenko, V F 037588
Gavriliuk, I P 038800
Gavrilov, A I 035735
Gawthorne, J M 034347
Gay, J 033007, 033008
Gay-Belille, F 040528
Gayel', A G 040830
Gaze, R H 038747
Gazelas, E 031919
Gaztambide, S 039014
Geary, D L Jr 035442, 035443, 035444
Geay, Y 033039
Gebb, C 037873
Gebbett, J G 033019
Gebler, B 033932
Gebler, E 034618
Gee, Chuck Y 032704
Geering, K 039607
Geertsema, H 039843
Geevarghese, G 039463
Gefen, E 036956
Gegeshidze, K T 039367
Gehring, H 035357
Gehrs, C W 039577
Geidel, H 039083
Geiger, E 040252
Geiger, H H 036530
Geiger, S E 032739
Geissler, B 033586
Geissler, T 038308, 040939, 040943
Geith, H A 036997
Gekhtman, IA A 041251
Gel'bert, M G 036662
Gelder, B van 038498
Geldiashvili, Z V 041157
Geldres R, H 036639
Gel'fand, E D 035826
Gellman, I 041670
Gelmond, H 038348
Gendron, C 032907
Genie, G V 033314
Genkel', P A 036917, 037281
Genkina, G L 037676
Genna, J M 034565
Gennadiev, V G 039302
Gennis, L S 037768, 037769, 037770, 037771, 037772, 037773
Gensiruk, S A 035571
Gentischer, G 041014
Gentry, R P 035431
George, B F 038636
George, C 032792
George, C K 040978
George, W J 034050
Georgi, J R 035051
Georgiev, G 041188
Georgiev, Z 038138
Georgieva, M 037252, 037532, 038633
Georgieva-Todorova, Y 036483
Georgievskii, V I 034179
Georgobiani, E L 037854, 037855
Geraizade, A P 040733
Gerall, A A 034673
Gerard, P 031117
Gerardi, I A 041250
Gerard-Ivanoff, A 033756
Gerashchenko, A N 031299
Gerasimenko, T V 036203
Gerasimov, I P 040613, 040615, 040616, 040617, 040824
Gerasimov, M V 035664
Gerasimova, M I 040604
Gerasimovich, E I 034509
Gerber, U 041335
Gerei, L 040991
Gergelyi, O 040451, 040452
Gerhardt, U 031998, 032800, 033369, 039541
Gericke, H 034429
Gerig, L 040292
Gerlach, G 031381
Germain, C 033752
Gerpacio, A L 034378
Gerritsen, L G 031859
Gershon, M D 033732
Gerson, U 039281, 039292
Gerstner, R 032457
Gertjejansen, R O 035745
Gertshovki, R 033132
Gestrich, R 035286, 035287, 035292
Getov, G V 033463
Getty, R 034102
Gevili, A 033383
Gevorkyan, A M 037581
Gewaily, E M 032935
Geyspits, K F 039726
Ghai, O P 039578
Ghashghai, I 040924
Ghatak, B J R 036995
Gheorghiev, M 041414
Gheorghita, E 041193
Ghica, I 038143
Ghildyal, B P 038547
Ghodekar, D R 032055
Gholap, A S 033421
Ghosal, S 037183
Ghosh, J J 033971
Ghosh, P 033267
Ghosh, P K 034278
Ghosh, S S 035074
Ghoshal, S 040840
Ghouri, A S K 039241
Ghouse, A K M 036270
Ghraf, R 034055
Ghugale, D D 037457
Giacobbe, A 035655
Gianfranceschi, G L 033797
Gianni, G 031860
Gianola, D 034662
Gibbard, G A 032739
Gibbs, A J 039851
Gibbs, J N 038618
Gibbs, K C 031165
Gibbs, M 037446
Gibbs, P A 032076
Gibeault, V 041406
Gibson, B F 040905
Gibson, C E 037034
Gibson, J A 032185
Gibson, Q H 034042
Gibson, R W 038880, 039312, 039313, 039314
Gibson, W 035440
Gies, H 031055
Giesbrecht, F G 033412
Giesy, R M 036097
Gifford, G F 038051
Gigienova, E I 032772
Gil, W 035868
Gilbert, M D 032067
Gilden, R V 035108
Gildersleeve, D L 033885
Giles, G W 040405
Giles, K H 034761
Giles, K L 037520
Giles, W 034011
Gill, A S 040922
Gill, G S 038031
Gill, H 031112
Gill, H S 038434, 039167
Gill, J S 039434
Gill, R S 038032
Gill, S S 038031
Gill, T 031112
Giller, YU E 036543, 036973
Gilles, G 039073
Gillespie, M 041662
Gillette, J R 039536
Gillier, P 033533
Gillott, C 039661, 039662
Gilmore, N J 032396
Gilmore, R A 036507
Gilot, B 039436
Giltrap, D J 040793
Gil'ts, N R 035584
Gimenez Lascano, O 036636
Gingle, A R 036320, 036322
Gingrich, J B 039669
Ginkul, V P 031504
Ginter, E K 039763, 039923, 039929
Ginter, T N 036629
Ginther, O J 034001
Giorgi, B 036482, 037404
Giosan, N 041417
Giovagnotti, C 041484
Giovannini, G 040663
Giovannozzi-Sermanni, G 041601
Girenko, L T 041136
Girish, G K 039425, 039531

Gisi, U 038841
Gitel'zon, I I 032493
Gitenshtein, B M 033460
Gjerdahl, T 040625
Gjerde, N K 033101
Gjessing, E T 040625
Gjorsterup, P 034162
Gjorstrup, P 033964
Gkatzemas, I 034828
Glad, J B 036057
Gladoch, M 039535
Gladstones, J S 038596
Glascock, H R Jr 035556
Glaser, E R 041321
Glaser, W 040155
Glaspy, Maria Fe 032353
Glatthard, V 035173
Glatzer, K H 039679
Glaze, F T 037991
Glazko, V I 034626
Glazovskaya, M A 040603
Gleim, K H 038541
Glembotskii, IA L 039761
Glende, P 040389
Glenn, N D 039903
Glenn, R 041068
Glerum, C 036312
Glinyanaya, YE I 039726
Globus, A M 040816
Glod, W 034654
Glodeanu, D 037248
Glodek, Z 031121
Gloria, L A 034378
Glos, L 038412
Glover, D V 036715
Glover, J R 041292
Gluck, P 035519
Glukhovskaia, N B 036001
Glushchenko, I E 036655
Glushenkova, A I 033211, 033213
Gluzman, I IA 035254
Glyzin, V I 037675
Goding, J W 035119
Godinot, C 033821
Godke, R A 034720, 034722, 034723, 034724, 034725, 034726, 034727, 034728, 034730, 034731, 034736, 034737, 034738, 034913
Godman, R M 041114
Godoy, O P 037379, 040571
Godshall, M A 033178
Goeden, R D 039098
Goetze, N R 031900
Goff, L J 036112
Goffinet, R 031560
Gofman, IU IA 037821
Gogatishvili, A D 041094
Goglidze, R I 034195
Gogoi, A R 035087
Gogol, E 032760
Gogol, W 032760
Gogolev, M M 035207, 035244
Gogus, A K 033530
Gohler, F 038318
Gohner, G 040427
Goio, L 033742
Gois, M 035267
Golatkar, V V 035999
Gold, R 033807
Goldberg, H 034014
Goldberg, R J 035134
Goldberg, V J 035110
Goldfinger, B A 036780
Goldhaber, P 035308
Goldich, J 031454
Golding, H C 040355
Goldman, A 033010
Gol'dman, I L 034604, 035376
Goldman, M 035412
Goldman, P H 033865
Gol'dner, R M 041275
Goldsby, A I 041581
Goldsby, J B 032302
Goldsmith, T H 039796
Goldstein, I J 036804
Goldstein, R B 039733
Golenko, I L 036933
Golenko, I N 037275
Golenkov, V F 033155
Goll, H 031379
Golobic, V 032134
Gololobov, A D 036769
Golovach, S I 040179
Golovanov, A I 041271
Golovko, T K 037376
Golovnya, R V 033149
Golubkov, V I 036687
Golubovskii, M D 039920
Gomes, M F 032130
Gomez, L D 036261
Gomez, M 038243
Gomez, S P 040770
Gompf, R E 034825
Gona, O 039741
Gondal, J A 037309
Gondhi, M G 031758
Gonik, G E 041132
Gons, H J 036961
Gontarovskii, V A 036695
Gontea, I 032453
Gonzales, A G 037296
Gonzales, E J 031957
Gonzales, E V 033080
Gonzalez, A G 037163, 037290
Gonzalez M, C J 031913
Good, H M 038578
Goodale, H D 034675
Goodale, J H 038894
Goodale, T 037833, 039174, 039176, 041064
Goodall, G E 041410
Goodeaux, L L 034736
Gooding, E G B 033521
Goodman, A 034153
Goodman, A S 041571
Goodman, S J 032360
Goodrich, C L 036421
Goodwin, R H 039112, 041498
Goold, G J 035365
Goolsby, O H 031739
Goomber, T S 038554
Goossens, A 038943
Goossens, A E 032807
Goot, Y 038631
Gopakumar, K 032794
Gopal, L 031085
Gopal, M 037935
Gopal, N H 036982, 039000
Gopel, G 033794
Gopinath, K W 036984
Gopinathan Nair, P 036611
Goplin, E D 033190
Gor', A 038062
Gorbanov, S 041031
Gorbenko, A F 035817
Gorbunova, R I 034805
Gorbunova, V N 039762
Gorby, D P 032949
Gorcea, V 032453
Gorchakovskii, P L 036185
Gord, G 040056
Gordh, G 040044
Gordon, D A 034018
Gordon, J 034066
Gordon, R 041404
Gordon, T 034124
Gordon-Mills, E M 037152
Gore, M S 032795
Goren, R 038339
Gorianov, O A 032495
Goricke, M 041152
Gorin, A G 036893
Gorin, N 033415
Gorina, N I 040740
Gorini, F 033408
Gorkom, H J van 037654
Gorlitz, H 040911, 040917
Gorlov, A I 034813
Gorodetskii, D I 033826
Gorokhov, G F 038553
Gorovits, M B 036876
Gorozhankina, S M 036181
Gorpinchenko, T V 037359
Gorsch, R 034321
Gorski, P 036846
Gorunova, D 037408
Goryshina, T K 035975
Gorz, H J 036426
Gosch, G 036347
Goslin, W E 037732
Goss, G W 031136
Goss, S G 031026
Gossington, B 039811
Goswami, K K A 037348
Goswami, N N 040577
Goto, A 035297
Goto, M 038852, 038870
Goto, S 036035
Goto, T 039675
Gotsov, K 036644
Gotsova, V 038179
Gotsuliak, L E 035436
Gotthardt, M 034833
Gottlieb, O R 037164
Gotz, K G 039889
Goubran, F H 041119
Goudriaan, J 037136
Gough, H J 040032
Gough, P 031141, 032510, 039246
Gouigo, E 032758
Gould, R E 035971
Gould, W A 033221, 033448
Goulet, J 032956
Gouny, P 041024
Gourlay, R N 035166
Goussault, B 033146
Goutarel, R 036747
Gouvernet, R 031370
Gove, G W 041669
Govindachari, T R 036985
Govindan, T K 032796
Govindu, H C 038604, 038705, 038748, 038749
Govoni, S 035042
Govorenkov, B F 040741
Govseeva, N N 033753
Gowin, T 037908
Gowing, D P 039007
Goyal, H O 033700
Goyal, K N 038721
Goyal, S M 035076
Goyea, H Subulola 032219
Goynes, W R 031954
Gozzelino, M T 032908
Grabe, H 041443
Grabe, P 035212
Graber, P 037655
Grabher, H 035463
Grabherr, G 036198
Grabouski, P H 038094
Grace, J 037917
Grace, N D 033738
Gracheva, A IU 037227
Gracheva, I M 037212
Gracheva, L M 036661, 036675
Gradmann, D 037054
Gradmann, R 031186
Gradova, N B 032718, 037237
Graeber, E 040508
Graetz, D A 040596, 040597, 041532
Graf, G 031683
Graf, P D 034007
Graf, T F 031543
Graham, E F 034661
Graham, G 032327
Graham, George G 032351
Graham, J 041651
Graham, L 031731, 038156
Graham, M W R de V 040093
Grahl, A 037564
Grahn, D T 037646
Graioni, U 032171, 038233
Grakhantseva, L Sh 036841
Gramm, W P 031715
Granett, A L 038879
Graniczny, S 035623
Grant, G 033777
Grant, J P 031879
Grant, M E 034201, 034205
Grant, R A 041507
Grappin, R 032985
Graser, H 036920
Grassi, F 035299
Graubmann, H D 035157
Graves, C N 034637
Graves, G N 039477
Graves, H B 034005
Graves, J L 039561
Graves, L 032162
Gray, R D 032090
Graziani, F 039859
Grazzani, R 031253
Greaser, M L 034043
Grebennikov, B L 034491
Grebennikov, V S 039896
Grebeshova, R N 037213
Grecu, S 033290
Green, A A 036862
Green, C A 040128
Green, G C 037621
Green, G J 038593
Green, J C 035942
Green, J J 038390
Green, J P 037365
Green, M M 039748
Greenberg, R 036240
Greene, C M 041556
Greene, R E L 034350
Greenhalgh, A 032170
Greenhalgh, G N 036157
Greenleaf, J E 033896
Greenslade, P J M 039633, 039634, 039988, 039989
Greenstein, E T 034910
Greenway, J A 035396, 035397
Greenwood, D A 040579
Grega, T 034139
Gregg, T L 036263
Gregor, F 039981
Gregorini, G 037839
Gregory, K F 033503
Gregory, L M 036291
Gregory, P 036559
Greig, J W 038617
Greig-Smith, P 036216, 040667
Greil, O 040416
Greinert, H 041684
Grekov, M A 038206
Gremmen, J 038857
Grenet, L 034287
Gresch, P 031160
Gressel, J 036760
Grewal, A S 038676, 038709
Grewal, J S 038677, 038687, 038697, 038720
Grewal, M S 036989
Grewal, S S 038433
Griazev, E N 035667
Gribanovski-Sassu, O 036766
Gribova, S A 036185
Gridina, L E 037217
Grieger, G 032142
Griepentrog, K 034925
Griesbach, K 031286
Grieve, B J 036042
Griffin, E L Jr 033551
Griffin, J R 036055
Griffiths, D A 039414
Grigora, M IU 037704
Grigore, C 035439
Grigor'ev, A A 034182
Grigor'ev, IU I 032154
Grigor'ev, M IU 034182
Grigor'ev, N G 034492
Grigor'ev, V G 037262
Grigor'ev, V I 038201
Grigor'eva, G A 036690
Grigorian, M G 035967
Grigorov, IU G 032489
Grill, H 031443
Grillo, P H 041580
Grimbergen, A H M 033275
Grime, J P 036763
Grimstad, P R 039473
Grinberg, S M 034169
Grinchenko, A L 038191
Grinchuk, L 031804
Grindeland, R L 039288
Grinikh, L I 036690
Grinker, Joel A 032243
Grinshpun, S I 037009
Grinsted, M J 035838
Grintschenko, A 038039
Grisebach, H 036797, 037873
Grishchenko, M N 040830
Grishin, E V 033783
Grishina, E V 036518
Grishina, L A 036188
Grishina, L G 037423
Grissom, F E 036784
Grits, M G 037867
Gritsyuk, V N 036468
Grittner, W 040313, 040317
Gritton, E T 037943
Grizzard, E M 034794, 034796
Grob, R L 040595
Groder, R H 031732, 031900
Grodner, R M 039561
Groenewegen, C 038636
Groenewoud, H van 036218
Grogan, C B 032318
Grogan, C O 036559
Groger, D 037178
Gromakovskii, I K 038466
Gromova, A S 035730
Groot, A P de 032012, 032013
Groot, E H 031792
Groot, P H E 033808
Grootenhuis, J A 040889
Groot-Rasmussen, E 033111
Gros, C 039743
Grosbois, M 037659
Grosev, I 031319
Gross, M G 041475
Grosse, F 033044
Grosse, W R 039643
Grossfield, J 039664
Grossi, P 041342
Grossmann, F 038844
Grotelah, A 034499
Groth, H P 033856
Groth, J V 038766
Groudine, M 035188
Groulez, J 035527
Grover, R K 038646, 038676, 038842
Groves, C P 036217
Groves, R H 037358
Grozdova, T IA 039761
Grube, R 035362
Gruber, K A 032457
Grude, A 034291
Gruhn, K 034309, 034310, 034317, 034318, 034319
Grull, F 035358
Grumeza, N 041418
Grummer, R H 034409
Grun, E 034744, 034745, 034746
Grund, E R 034078
Grund, H 041165
Grund, R 039987
Gruneberg, G 031921
Grunina, L K 037221
Grunow, W 039100
Grunstein, M M 034008
Gruol, D 036278
Gruscha, P 040990
Grushnikov, O P 035860
Grushvitskii, I V 035977
Gruzova, M N 039931, 039945
Grynia, M 036255
Gryzhankova, L N 036942
Grzelak, K 037559, 038151
Grzyb, S 038215
Grzywacz, A 038744, 038815
Guada, J A 034402
Guadagni, D 033321
Guadagni, D G 032854
Guarda, F 035046
Gubbaiah, 039350
Gudauskas, R T 039217
Gudeova, M M 037399
Gudkov, A V 032945
Gudkova, L V 036910
Gudmundson, B J R 041585
Guedry, L J 031439
Gueguen, M 032983
Guerin, B 033038
Guerin, O 035024
Guerineau, M 036825
Gugiu, I 035018, 035019
Gugliemi, L 033797
Guilfoyle, T J 037363
Guillaume, E 037495, 040382
Guilliford, R B 040294
Guiot, J 041073
Gukasian, I A 037430
Gukasian, L A 036282
Gukasian, M S 037373
Gulaia, V E 037231
Gulati, S C 035111
Gulden, G 036087
Guliaeva, V S 033481
Guliakin, I V 040877
Gulmagarashvili, V Kh 036141
Gulubov, S 038556
Gulyaev, G V 036683
Gulyaeva, V I 036770
Gulyi, M F 036910
Gumbs, F A 040842
Gumeniuk, G D 037217
Gumenyuk, L A 036892
Gumerov, N K 035248
Gumilevskaya, N A 037648
Guminski, S 037662
Gumz, W 031102
Gunasekaran, M 037318
Gunn, C R 035929
Gunnergaard, T 031514
Gunther, K K 040007
Gunther, R W 041159
Guoigo, E I 033049
Gupta, A P 040560
Gupta, B M 035077
Gupta, D P 038668
Gupta, G C 033966
Gupta, H C 036987
Gupta, I J 038670
Gupta, J P 038718
Gupta, K G 036777
Gupta, P C 032960, 034279
Gupta, P D 035324
Gupta, R K 040696
Gupta, R N 034652
Gupta, R R 040485
Gupta, S B 038547
Gupta, S K 037340
Gupta, S R 036983, 037053
Gupta, U S 040696
Gupta, V K 038686
Gurbuchev, I 040750
Gurel, L M 032514
Gurevich, B I 038799
Gurevitz, E 039372
Gurnevski, V 038355
Gurney, A B 039466, 039652
Gurney, J M 032325
Gurney, J R 033913
Gurovitz, A 040948
Gurumallappa, T M 031448
Gurvich, IU A 040548
Gurvich, M I 032486
Guryca, V 032141
Gusarevich, I B 041270
Guse, W E 035681
Guseinov, A G 036358
Gusenkov, E P 040614
Gusenleitner, J 034849, 039074
Gusev, I I 035591
Gusev, M V 037114, 037121
Guseva, A R 037223
Gushcha, G I 040134
Gushchin, B V 035281
Gushchina, E A 035281
Gus'kov, A V 037678
Guslyannikov, V V 033122
Gustafson, G 034718
Gustafson, J P 036429
Gustafsson, B 034764, 034766, 034767
Gusteleva, L A 039876
Gutcho, M H 032817
Gutermuth, S 032224
Gutgluck, F 038318
Guth, E 031410
Guth, I 039159
Guthrie, H A 032360
Guthrie, W D 036432, 039288
Gutknecht, J 037055
Gutkowski, P 032164
Gutpa, K C 036989
Gutsevich, A V 040055
Guttowa, A 039530
Guy, S L 031569
Guz', N I 040533
Guzhov, IU G 036650
Guzhova, N V 038802
Guzman, L 032297
Gvaladze, G E 036660
Gvamichava, N E 037854
Gwinn, W R 040539
Gyarfas, A P 034393
Gyimesi, V 035065
Gysi, C 041091, 041092
Gyulai, P 041499
Gyuru, F 038561
Haagsma, J 035215
Haan, G A den 037654
Haan, H de 041284, 041286
Haas, D L 036351
Haas, G H de 033810
Haas, G J 036959
Haas, H J 033733
Haase, J 035721
Habana, J A 041023
Haberer, M 036046
Haberlach, G T 038759
Habicht, J P 032257, 032273, 032314
Habrda, J 035227
Hachimori, A 034026
Hachiya, Y 034091
Hackel, H 033434
Hackl, W 033577
Hackley, B M 032070
Hackney, P A 031229
Hadacova, V 037369
Hadani, A 039458
Hadas, A 041042
Haddad, O 039043
Hadders, G 035634
Haddon, L 036323
Hadjichristodoulou, A 038047
Hadley, R F 041379
Hadlok, R 032224
Haendler, H 033523
Hafley, W L 041651
Hag, B A ten 041100
Haga, T 036581
Hagberg, A 032912
Hagedorn, W 032883
Hagelscheuer, P 031490
Hagelschuer, P 034925
Hagelstein, M T 034763
Hagemann, R 036549
Hagemeister, H 034334, 034335
Hagen, A 036193
Hager, A 036802
Hager, H 036173
Haginiwa, J 037517
Hagler, A T 032835
Hagsten, I 034415
Hagvar, S 036193
Hahlbrock, K 036787
Hahn, H 035151, 041319
Hahn, H H 041634
Hahn, J 034506
Hahn, P 032414
Haider, K 040624, 040633
Haig, E F G 031899
Haiger, A 033755
Haigh, A L 034165
Haines, M D 032884
Hainnaux, G 040954
Haith, D A 041658
Hajek, M 033055
Hakansson, H 031364
Hakansson, S 039181
Halappa, G 041015
Halas, E S 032275
Halasa, M 035226, 035262
Halen, P 034991
Hales, J R S 034125
Hall, A 041493
Hall, A E 037392
Hall, D H 038776
Hall, F T 032523
Hall, G F 040764, 040765
Hall, J C 039689
Hall, J G 035006
Hall, Jane S 032203
Hall, R M 037124
Hall, S E H 033848
Hall, W B 031753
Hallahan, I A 032359
Hallett, D W 041297
Hallfrisch, J 032412
Halliburton, I W 035109
Halliday, D 032464
Halliday, R A 041332

Halliwell, R E W 034049
Hallock, D L 041652
Halloran, G M 036596
Hallum, J V 035130
Halstead, D G H 040026
Halvorson, D A 035187
Halvorson, H O 037011
Halvorson, R 036242
Hamada, Y 037783
Hamakawa, H 034348
Hamalainen, C 031955
Haman, A H 031724
Hamana, K 033841, 035012, 035305, 035306
Hamann, D D 033095
Hamann, J 035004, 040456
Hamann, W 038982
Hamasaki, S 040000
Hamasaki, T 036729, 036732
Hamblin, R J J 041628
Hambloch, H 031175
Hambraeus, L 032366
Hamdi, H 040553
Hamdrof, K 039792
Hamdy, A 032936
Hamhalter, J 040942
Hamid, A 037467
Hamill, A S 039130, 039153
Hamilton, C E 041531
Hamilton, D W 034683
Hamilton, F D 037240
Hamilton, I D 037048
Hamilton, J 036443
Hamilton, J K 037940
Hamilton, J W 033814
Hamilton, K G A 040114
Hamilton, P B 035425
Hamilton, R J 037166
Hamilton, R S 038970
Hamm, G G H 034327
Hamm, R 032005, 033060, 033093, 033114
Hammer, B 032916, 040296
Hammer, R F 035343
Hammer, T R 041426
Hammer, U T 039663
Hammerstedt, R H 034665
Hammerton, J L 037468
Hammes, G G 037647
Hammissa, M R 040859
Hammon, G A 041651
Hammond, D E 041472
Hammond, L T 032287
Hamon, N W 033207
Hampton, D L 035431
Hamrick, R L 041297
Han, Y W 033157
Hanada, A 033640
Hanahan, D J 033806
Hanaumi, K 034111
Hancock, J 034562
Hancock, J G 038584, 038586, 038770
Handa, D K 039004
Handa, N 036244
Handa, S S 037513
Handa, V K 037751
Handler, Philip 032535
Handova, Z 041642
Handy, M F 037730
Hanf, C H 031035
Hangartner, W W 039342
Hankin, L 032096
Hankins, C N 037204
Hanks, R J 038098
Hann, R W Jr 041587
Hanna, E E 035190
Hannemann, H J 040005
Hans, J C 034993
Hanschke, R 039644
Hansen, K E 039066
Hansen, L 041208
Hansen, L R 038742
Hansen, M 035054, 039512
Hansen, N M 031031
Hansen, R 031704, 031705, 041624
Hanson, C L 041383
Hanson, D L 039119, 039120
Hanson, K R 033164
Hanson, L E 035066
Hanson, M 035108
Hansson, E 032119
Hansson, K A 038013
Hansson, R 033112
Happ, C M 039385
Happ, G M 039385
Haque, F 036606
Haque, I 040955
Haque, R 041596
Hara, H 036036
Hara, Y 035307
Harabin, Z 035691
Harada, H 034348, 034591, 037775
Harada, J 037543
Harada, T 037804
Haragsim, O 040309
Harborne, J B 037179
Harden, M L 032263, 032375
Harding, P T 035526
Hardman, J G 034106
Hardtke, P G 041291
Hare, H 039913
Harelik, I I 037464
Hargreaves, J W 041247
Hargreaves, K 034459
Hargrove, R S 041047
Harkavi, Y 038345, 040365
Harlan, J R 036399, 036440
Harmsen, K 040755, 040781, 040782
Harmsen, R 039664
Harnack, H 031287
Harnaj, V 040290
Harpel, R A 034442, 034445
Harper, J A 035346
Harper, J D 039217
Harper, J E 038753
Harper, J L 035547
Harper, J W 033731
Harper, P P 040126
Harper, R J Jr 033185
Harpstead, D D 036714
Harrap, K A 039866
Harrell, C E Jr 037174
Harrell, D C 036433
Harrell, R A 033097
Harrigan, K E 035080
Harring, C M 039404
Harrington, A H 031900
Harrington, G 033086
Harrington, J D 033324
Harrington, R E 040397
Harris, A S 041671
Harris, Doug 032558
Harris, G C Jr 033609
Harris, H B 038895
Harris, H B ed 038141
Harris, H E 031482
Harris, J A 039387, 041425
Harris, J G S 038261
Harris, L E 033523, 033525
Harris, M C 039129
Harris, N D 032092
Harris, P 039105, 039152
Harris, P V 033092, 033094
Harris, R H G 039042
Harris, R R 034366, 038022
Harris, R S 033619, 040349
Harris, R W 038393
Harris, Ruth C 032456
Harris, S E 034584, 034642
Harris, S G 035318
Harris, T M 036133
Harrison, B N 032197
Harrison, J C L 032117
Harrison, J D 033918
Harrison, J E 032386
Harrison, J L 037320
Harrison, L M 034071
Harrison, M 031100
Harrison, P 033495
Harrison, R M 034710
Harrold, R L 034452
Hart, B L 033899
Hart, H 't 036120
Hart, N L 034761
Harte, F J 033620
Hartel, H 034301
Harter, D H 035111
Hartill, W F T 038751
Hartjen, A 034671
Hartl, D L 039731
Hartley, D E 031676
Hartmann, E M 037125
Hartmann, R 041172
Hartmans, J 034328
Hartog, M 032184
Hartree, E F 034681
Hartsock, T G 034005
Hartung, M 033894, 040914
Hartung, N 039731
Hartung, T E 031886
Hartwig, E E 036456
Hartzook, A 039050
Haruta, M 032091
Harvey, J 033852
Harvey, J M 031671
Harvey, J W 033867
Harvey, R G 039088
Harwood, R 034201, 034205
Haschke, H P 037612
Haseba, T 037098, 037797
Hasebe, Y 037758
Hasegawa, M 033768
Hasegawa, N 039023
Hasegawa, S 033411, 033414
Hasegawa, T 034977
Haselkorn, R 036278
Hashem, H 033772
Hashiba, H 033253
Hashida, K 034591
Hashimoto, M 034034
Hashimoto, Y 039448, 039529
Hashizume, T 037515
Haskell, B E 037061
Haskins, F A 036426
Hasle, G R 036108
Hass, G M 037646
Hass, Jane W 032583
Hassaballa, A S A S 036641
Hassan, S 039247
Hassan, S S M 032245
Hassan, S T 039820
Hassanien, E H 036378, 036379, 036380
Hasse, H 038012
Hassenboehler, C B 031959
Hassenboehler, C B Jr 033158
Hassler, W 035773
Hassoub, E K 037469
Hassouna, W A 032213
Hatanaka, A 037804
Hatano, K 037921
Hataya, M 035012, 035305
Hathaway, R D 038452, 039173, 039174, 039176
Hatsuda, Y 036729, 036732
Hatsumi, M 032927
Hatton, J V 035849
Hatwalne, B V 032337
Hatzetheodorou, I Th 039185
Hauden, D 041640
Haugse, L 031620, 031828
Haunold, A 036457
Haupt, H G 032046, 032048
Haury, A 038622
Hauschild, A H W 031978
Hausen, B M 037792
Hauser, A 031056
Hauser, H 037365
Haushofer, H 031048, 031051
Hausler, W J Jr 032975
Hauswirth, J W 032320
Hautvast, J G A J 032468
Havassy, I 033721, 033722
Havelka, B 035262
Haveman, J 037654
Havers, S J 039418
Havrylenko, M S 040393
Havshyn, O O 035276
Hawke, J C 033013, 033016
Hawker, J S 039032
Hawkins, A E 032757
Hawkins, P J 032878
Hawkins, S 031008
Hawkinson, C F 041436
Hawley, R S 039883
Haworth, R D 040635
Hay, J B 034157
Hayakawa, I 032846
Hayakawa, S 039013
Hayashi, S 034097
Hayashi, T 035423, 038926
Hayashi, Y 035138
Hayatsu, H 036809
Hayden, D B 037381
Hayden, R A 038363
Haydock, K P 031748
Hayes, A J 038620, 038818
Hayes, A W 035415, 035416
Hayes, B W 034350
Hayes, J R 032113
Hayes, M L 033759
Hayes, W A 032398
Hayman, D S 036981
Haynes, P 041505
Hayslip, N C 040894
Hazarika, R N 035087
Head, W D 037090
Heal, O W 036197, 036204
Heal, O W ed 036202
Healy, B 036192
Healy, W B 039040
Heap, R B 033836, 034199, 034658
Hearne, J F 033529
Hearst, J R 041578
Heath, A C G 039483
Heath, I B 036277
Heathcote, R G 040977
Heather, W A 038611
Heaton, F W 032188
Heaton, K W 032184
Heaton, M B 034058
Heavy, J F 041028
Hebaus, G G 040539
Heber, U 037651, 037652
Heberlein, G T 038856
Hebert, J J 033170
Hechelmann, H 035062
Hecht, H J 036865
Heck, O B 035175
Hecker, M 036926
Hedenigg, W 035696
Hedges, J D 033570, 033571, 034476, 034480, 034793, 041063
Hedin, P A 037760
Hedrich, H J 034872
Heelas, B V 037472
Heeschen, W 031966, 031967, 031968, 032947, 035003
Heesen, T C 041473
Heffron, J J A 035348
Hegde, D M 031021
Hegedusova, B 032922
Hegg, K M 035613
Heghe, G van 031493
Hehle, W 033554
Hehne, E 034576
Heiber, J 031896
Heichel, G H 040336
Heidema, F T 033415
Heidler, W 034575, 034577
Heidt, F D 041300
Heie, K 031354
Heigener, H 031134
Heil, M 033304, 033305
Heiler, T D 041362
Heimann, W 035353
Heimpel, C 031143
Hein, H E 035059
Heinemann, H G 041370
Heinemann, H U 031064
Heinemann, S J 040121, 040123
Heiner, R E 037393
Heins, H G 033391
Heinz, T 034320
Heinzelman, D C 031958
Heiramo, T 035502
Heissner, A 040353
Heistad, D D 034010
Heit, C E 037796
Heit, C H 037795
Heitefuss, R 039080
Heitz, S 037291
Helali, E 033772
Helbig, W 040556
Held, W H 033379
Heldman, D R 032949
Helfer, D H 035346
Helfrich, M 037617
Helgeson, J P 038759
Hell, P 033658
Hellem, F 031292, 031293, 031619
Hellendoorn, E W 032473
Hellenthal, R A 040108
Heller, K 031379
Heller, P R 039495
Helles, F 035539, 035541
Helling, C S 039140
Hellum, A K 035644
Helmrath, T A 034151
Helper, L 037045
Helper, L C 035334
Helversen, D von 039829, 039830
Helversen, O von 039829, 039830
Helvey, J D 035499
Hembry, F G 034438, 034439, 034440, 034441, 034443, 034446, 034448
Hemm, H 031490
Hemmes, D E 037023
Hempel, K 039942
Henckel, P A 036733
Henderson, H E 034404
Henderson, L K 035007
Henderson, P A 031500
Henderson, P L 031525
Henderson, S A 039886
Hendler, F 037243
Hendre, R R 037455, 037456, 037457, 037458
Hendrichovsky, V 034860
Hendricks, L C 039324
Hendrikx, J 036696
Hendrix, W G 041556
Henin, S 034131
Henkel, H 039601
Henkelman, D H 039660
Henker, V 034836
Henley, J W 035893
Hennig, A 034309, 034314, 034316, 034317, 034319
Hennig, W 033073
Henninger, N M 039572
Henrichsmeyer, W 031578
Henriksen, J B 039027
Henriksen, S A 035170
Henry, E 038427
Henry, S A 036591
Henschel, E 035358
Henson, E B 041293
Henson, L C 033791
Henson, W H 041432
Henstra, S 040707
Henton, M M 035126
Hentschel, K 040939
Hepburn, A J 035600
Hepburn, H R 039841
Hepper, C M 040650
Hera, C 038114
Herbert, J 032294
Herbert, R B 036738, 036746
Herbert, V C 032324
Herckt, J 031328
Herder-Brouwer, S J 036965
Heres, S 035371
Hergert, H L 037940
Herman, E B 036959
Herman, H A 034636
Herman, J C 038431
Herman, J C ed 040515
Herman, R P 038043
Hermann, F J 036167
Hermann, H R 039710
Hermodson, M A 033780
Herms, A 031243, 040337
Hermsdorf, D 041003
Hernandez, I 033418, 038390
Hernandez, M G 037163
Hernandez, V 032312
Hernando, V 040864
Herrer, A 039480
Herrick, J 034354
Herrmann, F 036549
Herrmann, H 033920, 040910
Herrmann, K 033484, 033485, 033486, 033487, 033488, 033489
Herron, M R 034892, 035320
Hertel, W 033232, 039542
Hertneck, M 038957
Hertveldt, L 039349, 039871
Hervas, J P 036309
Herzberg, F 031381
Herzig, I 035452
Hesjedal, O 036193
Hesler, J C 041589
Heslot, H 036562
Hespenheide, H A 039769
Hess, J F Jr 039591
Hesseltine, W R 032175
Hetenyi, G Jr 033848
Heugens, A 039581
Heungens, A 039034
Hewitt, M R 032743
Heydecker, W 037844
Heydorn, A O 035286, 035287, 035292
Heyland, K U 038833
Heymann, W 040910
Heywood, S M 033789, 034044, 034046
Hiai, S 037187
Hiatt, R R 032779
Hibbitt, K G 034695
Hibbs, J W 034458
Hickey, D A 036207
Hickman, R 031217, 031218, 031219, 031220, 031221, 031222, 031223, 031224
Hicks, B G 035607
Hidaka, R 034554
Hidaka, S 032103
Hidaka, T 035011
Hidde, B 040437
Hidiroglou, M 033853
Hieke, F 040006
Higashida, H 034029
Higginbotham, J D 037179
Higgins, J 037844
Higgins, J W 033263
Highnam, K C 039944
Hight, G K 031113
Highton, R B 039511
Hikichi, M 037920
Hilare, A 032266
Hildebrand, F 040423
Hildebrand, R 034130
Hildebrandt, G 032009
Hildenbrandt, G R 033806
Hildenbrnd, K 033238
Hilderbrandt, U 034578
Hildreth, R J 031638
Hilger, F 036563
Hill, G P 032743
Hill, I H 031326
Hill, J 041506
Hill, L 039686
Hill, M M 032517
Hill, M N 039511
Hill, O A Jr 034149
Hill, P 032349
Hill, R 034253
Hill, T 036059
Hill, W L 041205
Hill, W M 032021
Hillemann, G 034502
Hillier, K 034645
Hilliker, A J 039749
Hillis, W E 037162
Hillmer, Harold 032597
Hillyer, M 034775
Hilpert, H 031381
Hilty, J W 038738
Hiltz, D F 032773
Himes, M 036623
Himme, M van 039186
Hinckley, S D 039178
Hindhede, J 033695, 033696
Hindorf, H 038846
Hinds, R H Jr 033406
Hines, G 037446
Hink, W F 039904
Hinken, J 031147
Hinks, C J M 034703
Hinrichsen, C 034115
Hinsch, R T 033406
Hintikka, E L 034495
Hinton, C W 039854
Hinz, H E 040232
Hinz, R 040159
Hinze, G 036442, 036443
Hirano, T 031559
Hirasawa, T 036849
Hirata, Y 036755
Hirayama, O 033249, 033250
Hiregoudar, L S 040125
Hiremath, P C 038749
Hirom, P C 039537
Hirose, W 031680
Hirose, Y 033141
Hirota, Y 032387
Hirotani, M 037170
Hirs, J 031321
Hirsch, J A 034013
Hisamatsu, S 039999
Hissett, R 041649
Hitchcock, B E 039268
Hitchcock, H C 040718
Hitchen, J M 039450
Hite, J L 037143
Hiyama, T 036813
Hladenko, I M 035276
Hlasny, J 034940
Hlawitschka, E 040447
Ho, K S Y 036602, 037127
Ho, L 032352
Ho, L C 036409, 036764
Hoagland, R E 039555
Hoang Tung, 037326
Hobart, J M 038922
Hobbs, B B 034157
Hobbs, G 032077
Hobbs, L 039430
Hochberg, M 040762
Hochereau-de Reviers, M T 034693
Hochman, Y 037698
Hochstrasser, K 033923
Hockmeyer, W T 034995
Hodge, B M 037488
Hodge, W H 036117
Hodgen, G D 034711, 034712
Hodges, C C 035718
Hodgson, H J 038148
Hodler, B 031862
Hoeberichts, J A 036814
Hoeg, O A 032730
Hoeppe, C 038172
Hoeser, K 036531
Hofacker, W 037882
Hofer, M 037305
Hoff, H G 034055
Hoffer, J 033375
Hoffer, R E 035335
Hoffman, D L 041041
Hoffman, I 032483
Hoffman, R L 040164
Hoffman, R O 041298, 041320
Hoffmann, D 033229
Hoffmann, F 036719
Hoffmann, G 032915
Hoffmann, H 038834
Hofi, A A 032934
Hofmann, A 040208
Hofmann, K 033114
Hofmann, M 035772
Hoftun, H 038626
Hogan, C 041068
Hogan, D J 041616
Hogl, P 031484
Hoglund, L 039685
Hogness, D S 039671
Hogue, C L 040119
Hoham, R W 037155
Hohl, H R 037023
Hoie, T 038417
Hoiland, K 035969, 038961
Hoistad, J 035841
Hokana, F E 031614
Hoke, K E 032059
Hokin, M R 033950
Holan, Z 036311
Holdaway, P K 034614
Holderied, H 033004
Holdich, D M 039682
Holding, R L 032524
Hole, F D 040728
Holecek, D F 031230
Holet, F A 040700
Holin, M 032897
Holitschek, H 040318
Holl, F B 036410
Holladay, L A 033762
Holland, D W 031415

Holland, H L 037292
Holland, M R 034476
Holldorf, A W 037307, 037314
Hollenberg, M D 033766
Hollingsworth, A T 032583
Hollingsworth, G 041246
Hollingsworth, M J 039905
Hollingworth, R M 039226
Hollins, T W 036503, 038821
Hollo, J 032784
Holly, L 040467
Holm, D G 039749
Holman, G D 033815
Holmberg, Margaret C 032203
Holmes, C W 033738
Holmes, M G 036564
Holmgaard, P 031892
Holmquist, G 039887
Holovatiuk, N I 034236
Holowaychuk, N 040764, 040765
Holtan, H N 041432
Holtmann, W B 034557
Holtmeier, H J 032382
Holtz, W 034697
Holtzclaw, K M 040757
Holubyns'kyi, IU D 031135
Holz, B 038829, 038830, 039075
Holzer, Z 034275
Holzhey, C S 040779, 040780
Homberg, A 031171, 031189
Home, E M 039940
Homeniuk, P IA 031392
Homma, Y 035120
Homola, L 034518
Honczarenko, J 039535
Honeyborne, C H B 039837
Hongve, D 036238
Honig, H 034331, 034332, 034337
Honjo, H 039046
Honzakova, E 039456
Hood, L F 033203
Hood, M A 041486
Hood, R D 035415
Hoog, G T O 't 038516
Hoogerkamp, D 031262
Hook, J E 040675, 041606
Hooker, D 038295
Hooper, R G 036073
Hooplot, J 031917
Hoover, L W 032346
Hoover, R B 036168
Hop, J 031478
Hope, R C 036130
Hopkins, Harold 032223
Hopkins, M J D 031788
Hopkins, W G 037381
Hopper, P F 032017
Hoppner, L 032121
Hopton, F J 041482
Horak, F 034138
Horchler, V 032246
Hori, R 033862
Horiba, K 036289
Horiguchi, M 041602
Horikoshi, M 037338
Horikoshi, S 032927
Horilei, S I 034521
Horio, H 038881
Horita, T 031357
Horiuchi, N 033769
Hormann, D M 031523
Horn, H S 036214
Horn, J 035288
Horn, L R 032179, 032316
Horn, P 031305
Hornberger, G M 037086
Horne, A J 036949, 036950
Horne, E C 040931
Horne, J A 039686
Horne, J F M 036217
Horne, R D 035069
Horne, R W 038922
Hornick, R B 032030
Hornicke, H 034242
Horning, A W 041564
Horowitz, B 036780
Horrell, J F 034152
Horridge, G A 039788
Horsfall, J G 038832
Horst, C J G van der 033875
Horstmann, K 039892
Horton, G M J 032189
Hortynski, J A 037645
Horugel, K 035363
Horvath, J 031298, 035226, 038875, 038945
Horvath, P 038538
Horwitz, L D 034017
Hosamani, M M 039144
Hosemann, R 035721
Hoseney, R C 033210
Hosford, S P C 036855
Hoshino, M 033141, 034349
Hoshizaki, B J 035944
Hoskova, M 035379
Hosoi, N 037540
Hossain, M I 033983
Hossbach, W 033676
Hostounsky, Z 039365
Hostrup, S B 038171
Hotchkin, Sandra 032649
Houg, J G 035370
Houpt, K A 033873
Housley, H L 036346
Houston, T F 039990, 039991
Houthoofd, A 033277
Houtman, A C 033320
Houvenaghel, A 034160
Houwers, A 037649
Hoveland, C S 037991, 037992, 038022, 038991, 039129
Hovorka, J 035229
Howard, C F Jr 032166
Howarth, R W 040684
Howell, C 031101
Howell, C J 039496
Howell, R W 038183
Howell, S H 036818
Hower, A A Jr 039301
Howley, J B 041632
Hoxmark, R C 036413
Hoyle, M N 036505
Hradecky, P 034234
Hraska, S 036614
Hristova, A 036483
Hrubcova, M 037371
Hruby, T 036224
Hrusovska, K 032140
Hryb, O K 039188
Hsiao, A I 037674
Hsieh, H W 039136
Hsieh, W C 036126
Hsu, K S 036125
Hsu, T S 039560
Hu, S Y 035910
Hu, T W 036125, 036353
Huang, C S 035858
Huang, F C 036805
Huang, L C 038892
Huang, T F 031236
Huang, T S R 038972
Huang, W Y 033814
Huang, Y M 040118
Hubbell, D 037355
Hubbell, D H 036175, 038853
Hubel, W 037157
Huber, J 039370
Huber, J T 034404
Huber, W 037611
Hubner, K 038306
Hubner, R 033588, 034925
Huchzermeyer, B 037695
Hucko, J 031925
Hudak, J 038247, 038250
Hudson, B 034690, 034691
Hufford, C D 037926
Hufford, T J 035420
Hughes, A P 037345
Hughes, D E 035030
Hughes, J M O 040579
Hughes, P R 039404, 039406
Hughes, S J 036069
Huglin, P 031929
Huguenin, B 038622
Huhn, U 034575, 034577
Huhnke, R L 040370
Huhtanen, C N 032097
Hulbert, L L 034675
Hulden, L 040131
Huler, E 032835
Hulewicz, T 036618
Hull, D O 040515
Hull, H M 036836
Hull, P 036388
Hull, R 037969
Huller, H 034746
Hulme, P D 041351
Hulse, J H 031843
Humbert, G 033025
Humeau, G 033328
Humes, P E 034444, 034720, 034721, 034731
Hummel, H G 040421
Humpheson, C 040584
Humphreys, G O 035107
Humphreys, J D 040357
Humphreys, M H 034154
Hundgen, M 034247
Hunt, C G 041369
Hunt, H R 041546
Hunt, I F 032278, 032352
Hunt, K 035849, 035895
Hunt, L A 037382
Hunter, A H 041044
Hunter, B B 036122
Hunter, J A 038927
Hunter, J V 041534
Hunter, P P 038738
Hunter, R B 036409
Hunter, W G 041561, 041577
Hupp, H D 033663, 034795
Huppi, G A 037693
Hurka, K 039947, 039979
Hurkova, J 039198
Hurley, C G 034594
Hurley, Robert S 032454
Hurlimann, J H 038616
Hursh, G D 031115
Hurt, L C 031581
Hurvitz, A I 035349
Hurwitz, S 034343
Husain, A 038649
Husain, S I 039001
Husmann, R A 033030
Hussain, S 039253
Hussein, M A 037948
Hussein, M M 032853
Huszar, I 040410
Hutcheson, A 038918
Huter, F 031053
Hutton, J L 034798
Hutzler, H 035875
Huxley, P A 037345
Hvidsten, H 032397
Hwang, S C 038763
Hwang, Y S 039467, 039468
Hyde, A F L 040588
Hyde, J L 031976
Hyink, D 040949
Hylckama, T E A van 037934
Hymowitz, T 036023, 036301
Hynd, J 032982
Hynes, H B N 039617, 039746
Hynes, J D 039745
Hyvarinen, H 036008
I Gede Ranten, 035988
I Made Sri Prana, 035988
IAblokov-Khnzorian, S M 040048
IAgodin, B A 037423
IAhotyn, I S 038529
IAkhontov, A F 041210
IAkimenko, V N 038206
IAkovenko, G M 037704
IAkovenko, N V 034183
IAkovenko, V P 040471
IAkovlev, A A 034628
IAkovlev, A P 037602
IAkovlev, B V 037422
IAkovlev, M S 036284
IAkuba, K I 031393
IAkubtsiner, M M 036656
IAkushkina, N I 037424
IAmaleev, A M 038800
IAneva, Z 038134
IAngol', L M 037227
IAnina, L I 036937
IAnishevskaia, L V 039718
IAnkov, A IA 040312
IAnkulov, I 037828
IAnovich, V G 034189
IArobenko, V L 037230
IAroslavskaia, P N 038200
IArovenko, V L 036826, 037229
Iasialevich, A I 038916
IAsnikov, A A 037402
IAtsenko-Khmelevskii, A A 037927
IAvorskaia, V K 037875
Ibragimov, A P 036887
Ibragimov, Sh I 037596
Ibrahim, H A 036378, 036380, 036382
Ibrahim, H M 033318
Ibrahim, R K 038581
Icaza, E A 033097, 034729, 034732, 034733
Icaza, Susana Judith 032681
Ichikawa, K 032866
Ichimura, S 033792
Ide, G 031680
Idris, I B 034721
IEvlant'iev, V A 040392
Ievleva, E V 033119
Iglesias, H A 032851
Ignarro, L J 034050
Ignatenko, I V 036189, 036203
Ignat'ev, A R 036911
Ignat'evskaia, M A 036838
Ignatov, G 037686
Ignatov, IU V 034248
Ignatova, V P 040819
Ignatovich, V F 034958
Ihara, N 035568
Ihm, P 036218
Iida, T 035121, 035139
Iio, H 039675
Ikawa, M 032068
Ikeda, H 034349, 037986
Ikeda, Joanne P 032685
Ikeda, M 035708, 036332
Ikeda, T 037046
Ikegwuonu, F 034197
Ikekawa, N 032201
Ikemoto, H 039211
Ikeya, Y 036904
Ikonomova, E 037532
Ikram, M 037188
Ikuta, M 040000
Il'chenko, L N 037875
Il'enko, I I 036466
Il'iasova, V B 037423
Iliev, L 036920
Ilieva, H 036919
Ilieva, I 034537
Ilieva, V 037718
Ilieva, Z 036628
Il'ina, T V 036770
Il'iushchenko, T E 037701
Ilkov, D 041032
Illek, J 035379
Illmensee, K 039735
Iloba, C 039115
Imagawa, H 035015
Imahori, K 040639
Imai, Y 033956
Imamaliev, A I 037571
Imamaliev, G N 037716
Imbert-Teboul, M 034123
Imboden, H 040288
Immelman, A 034907
Imperato, F 037184
Imshenetskii, A A 037113
In, D N 031829
Inamdar, J A 036310
Inaoka, T 040105
Incoll, W D 035650
Indulkar, A S 038697, 038838
Infante, A 032406
Ingenbleek, Y 032163
Inge-Vechtomov, S G 036680
Ingling, A L 033563
Ingold, C T 036153
Ingram, L O 037013
Inomata, N 036575
Inosaka, M 037380
Inose, O 035704
Inoue, K 037545, 038052
Inoue, T 037074, 039579, 041355
Inouye, H 037182
Intrieri, F 035402
Ioffe, I D 039501
Iolevski, M 040751
Iolov, A 040312
Ionescu, M 039300
Ionescu, S 040520
Ionescu-Sisesti, V 041053
Iotov, L 038933
Iotsova-Baurenska, N 037699
Iovchev, N 034536
Iovcheva, S 038132
Ipatov, L F 035487
Ipatov, V S 036251
Ipsics, O 033082
Iqbal, M 032750
Irie, M 037018
Iriki, T 034425
Irimie, M 038113
Iritani, Y 032103
Iriuchijima, J 034134
Irizarry, H 038390
Irvin, G W 031442
Irving, R A 034203
Isaacks, R E 033865
Isachenko, T I 036185
Isaev, V A 039894
Isaza Gomez, G 035005
Ise, T 032103
Ishaq, S M 033600
Ishibashi, T 034427
Ishida, M C 032256
Ishida, Y 032256
Ishiguro, Y 035305
Ishihara, T 039999
Ishii, K 035709
Ishii, S 034963
Ishii, S I 034023
Ishii, T 031425
Ishijima, Y 034555
Ishimaru, H 039022
Ishitani, R 034963
Ishiwatari, R 040622, 040636
Ishizaki, H 036768
Ishizaki, R 035135
Ishizuka, I 034028
Ishkaev, T Kh 040869
Isichenko, I B 035437
Isler, H 034048
Ismail, I A H 039437
Ismailov, D M 040733
Ismailov, E M 036887
Ismailova, D IU 037215
Isohashi, F 034148
Isoun, T T 034956
Issekutz, B Jr 034012
Issekutz, T B 034012
Isshiki, Y 034092
Istranov, L P 033042, 033824
Itabashi, H 034088
Itagaki, K 035423
Itkin, B Z 035241
Ito, K 037380
Ito, S 035121
Ito, T 035307
Itoh, T 036728
IUdintseva, E V 040877
IUrchenko, L A 033442
IUrenko, V I 038848
IUrkevich, I D 035922
IUrkevich, V V 036912
IUrkov, G G 035242
IUrkovskii, N IA 040745
IUrov, I V 035574
IUshchak, V S 041125
IUsifov, A G 040733
IUsupova, I K 036841
Ivancich Gambaro, P 039339
Ivanets, G I 038536
Ivanicka, J 037533
Ivanics, A 031763
Ivanishchuk, P P 040046, 040050
Ivanitskii, A M 032153
Ivanov, A P 033460, 035587
Ivanov, I 036533
Ivanov, I A 038136
Ivanov, I N 037828
Ivanov, IU M 035825
Ivanov, IU N 035584
Ivanov, K 041031
Ivanov, K P 033901
Ivanov, N 034605
Ivanov, S 041033
Ivanov, TS 032925, 033884
Ivanov, V I 036629, 039759, 039763, 039923, 039929
Ivanov, V L 035280
Ivanov, V N 037432
Ivanov, V V 036188
Ivanov, YU N 039920
Ivanova, A P 037445
Ivanova, G S 037221
Ivanova, N N 037585
Ivanova, S B 037743, 037865
Ivanova, S Z 037905
Ivanovs'ka, R T 041126
Ivanyi, J 035057
Ivashov, V 032754
Ivchenko, A S 040562
Iven, M von 040411
Iverson, S C 036319
Iverson, W D 041547
Iverson, W P 041468
Ives, J R 031666
Ivie, G W 039562, 039564
Iwai, M 036328
Iwanaga, S 034030
Iwasa, K 032874
Iwasaki, T 037766
Iwashima, A 036823
Iwashina, K 034880
Iwema, S 033667
Iyengar, M S 041596
Iyer, H K 032791
Iyer, P K R 035329
Izak, S 032140
Izard, C 036598
Izatt, L K 041236
Izatt, M E G 039686
Izmailov, S F 037707
Izman, G V 036510, 036677
Izmialova, M M 041120
Izuchi, Y 035016
Izumi, E 035533
Jaarsma, J 033029
Jabben, M 037791
Jabin, S 035099
Jachimczak, D 039608
Jacin, H 032853
Jack, A 037242
Jackson, A 032326
Jackson, A H 037032
Jackson, A O 037521
Jackson, D S 034201, 034205
Jackson, G D F 035000
Jackson, G J 032098
Jackson, G V H 038819
Jackson, H 034680
Jackson, J B 041553
Jackson, J K 035683
Jackson, J O 039485
Jackson, L K 038286, 040896
Jackson, L L 035332
Jackson, M 036507
Jackson, M L 040771
Jackson, P B N 041493
Jackson, R M 037180, 040655, 040705
Jackson, W A 040760
Jacob, M 032278, 038984
Jacob, R A 032323
Jacobi, V 031192
Jacobs, J J 036791
Jacobsen, K A 034430, 034431, 034432
Jacobson, A 036550
Jacobson, B S 041526
Jacobson, R E 031802
Jacquet, J 031941
Jacquet, P 033490
Jacquot, M 036260
Jadrny, L 034221
Jaehne, G 031205
Jaffe, R B 034666
Jagannathan, V 037455, 037456, 037457, 037458
Jagbandhan, A 031917
Jagendorf, A T 037357
Jager, H J 037142
Jagos, P 035379
Jagtap, M K 033968
Jagusch, E 031287
Jahn, E 039380
Jahn, E C 035863
Jahn, O L 037677
Jahn, W 038054
Jahn-Deesbach, W 033304, 033305
Jahnig, K P 034925
Jahreis, G 034309, 034310
Jahsman, W E 036319
Jailler, R 033039, 033039, 033040
Jain, A K 033269
Jain, D 031086
Jain, G S 033244
Jain, K C 041231
Jain, M K 032966, 037889
Jain, N C 032369
Jain, S C 037452
Jain, S K 032713, 039425, 039531
Jain, T C 041231, 041242
Jakob, L 031302
Jakobsen, J 039067
Jakobsen, P E 034528
Jakus, I 040255
Jallageas, M 034081
Jamaluddin, 038707
Jambor, V 033687
James, A 041630
James, D W 038098, 040767, 041044
James, J W 034590
James, P S 033785
James, R W 037487
James, W H 034623
James, W P 041296
James, W P T 032180
Jan, T K 041473
Jana, M K 036569
Janatkova, T 035264
Jancke, S 035155
Janecek, F 035717
Janes, N F 040666
Janicek, G 032922
Janicek, J 034952
Janicke, G 040913, 040915
Janik, V 041673
Janin, J 037481
Janiszewski, B 041103
Janiszewski, L 039608
Jankay, P 037625
Jankulov, J 036479, 039111
Jannella, G 034282, 034283
Janse, J D 034329
Jansen, A H 033849
Jansma, M J 036964
Jansson, S L 040634, 040840
Jantosovic, J 035385
Jantz, Alfred H 032584
Janzso, B 032784
Jaques, L B 035441
Jaquinet, A 038479
Jaramillo H, R 040692
Jarchow, O 037792
Jardin, A 041078
Jardine, N J 037315
Jardine, P 036022
Jarnea, S 041414
Jaros, J 035269
Jaroskova, L 035063
Jarpa, S 032299
Jarquin, R 034372
Jarrett, W F H 034962
Jarvis, B 036317
Jarvis, P G 037914, 037915
Jasper, K E 041575
Jassby, A D 037087
Jasso, S S 032297
Jastrzebski, S 035620
Jaszczak, K 034621, 034622
Jat, N R 032082
Jauert, R 040911
Jauffret, F 039399
Jay, F T 037310
Jay, S C 040215
Jaya, T V 032408
Jayaram, M 039532
Jayaramaiah, B 035085
Jayaramaiah, M 039351
Jayasuriya, M C N 034276
Jayme, G 035723

Jaynes, R A 036627, 038251
Jecsai, J 034249
Jefferies, P R 037160
Jefferson, C H 033541
Jefferson, M W 032979
Jehan, M 040659
Jelenkovic, G 036423
Jelinkova, A 035117
Jelliffe, Derrick B 032217
Jelliffe, E F Patrice 032217
Jellum, M D ed 038141
Jelonek, A 032164
Jenicek, V 031320
Jenkin, J F 036195
Jenkins, D L 032014
Jenkins, G 037470
Jenkins, J A 037059
Jenkins, L D 037486
Jenkins, P A 037928
Jenkins, W L 034083
Jennings, D H 035888, 037317
Jennings, D M 039556
Jennings, D T 039409
Jennings, R C 037657
Jenns, S M 037871
Jensen, A 040628
Jensen, A H 034000
Jensen, F L 031742
Jensen, H E 035421
Jensen, H J S 034954
Jensen, J 035570
Jensen, J P 032975
Jensen, K A 034528
Jensen, M E 041241
Jensen, R 034953
Jensen, S B 032803
Jentsch, D 034924
Jentzsch, K 037150
Jernigan, H M Jr 033872
Jeroch, H 033670, 034309, 034314, 034316, 034319
Jerome, N W 032041
Jervis, H R 034995
Jeschke, H P 031234
Jessen, T 041106
Jessup, W 037939
Jeter, F Jr 038482
Jeunet, R 032985
Jewell, W J 041632
Jewett, K L 041469
Jezierski, T 034618
Jhala, V M 035086
Jhooty, J S 038675
Jhunjhunwala, V D 031663
Ji, T 038657, 038665
Jilge, B 035289
Jinga, I 041053
Jiran, E 035224
Jiraskova, M 034231
Jirmanova, L 034940
Jobman, D 031730, 031916
Jobstl, H 035518
Jochimsen, H 031408
Joe, W C 031917
Joeres, E F 041327
Johannes, H 039193
Johansen, K 034173
Johansen, M 035886
Johansson, A H 033583, 033682
Johansson, L G 036201
Johansson, O 041009
Johansson, S 036338
Johansson, S A 032913
Johar, K S 034652
John, B 039678
John, K 035729
John, M E 038953, 038954
John, P C L 037132
Johne, H 033650
Johne, S 037178
Johns, A T 031898
Johns, E L 041382
Johns, H 031866
Johns, H R 038392
Johns, S R 039101
Johnson, A J 035142
Johnson, B 031498
Johnson, B A 039322
Johnson, B J 039171, 039172
Johnson, C R 038249
Johnson, C W 036445, 041306, 041383
Johnson, D J 035142
Johnson, E H 032289
Johnson, G O 040709
Johnson, G V 041049
Johnson, H P 041392
Johnson, J A 033204
Johnson, J C Jr 033552
Johnson, J E 031359, 038924
Johnson, J N 034452
Johnson, L W 035712
Johnson, M A 035897
Johnson, N E 032328
Johnson, P N 036071
Johnson, R E 032385
Johnson, R F 034006
Johnson, R R 038023
Johnson, S S 038376
Johnson, T W Jr 036077
Johnson, V A 032303
Johnson, W E 039901
Johnston, M G 034157
Johnston, R W 032093
Johnstone, D E 040002
Johnstone, P D 034398
Johri, B N 035996
Johri, J K 038905
Jolivet, E 033752
Jolly, R D 035293
Jonas, K 038015
Jones, A A 035876
Jones, A K 036951
Jones, A S 039563
Jones, B D 033516
Jones, B R 035160
Jones, C J 039510
Jones, D 038389
Jones, D L 037880, 040385, 040541
Jones, D M 040457
Jones, D S 037310
Jones, E B G 037320
Jones, G 034035
Jones, G L 036022
Jones, G W 035146
Jones, H 031247
Jones, H E 036197
Jones, J D 032404
Jones, J G 034007
Jones, J R 035692
Jones, K P 034758
Jones, K W 034598
Jones, L C 038811
Jones, M D R 039834
Jones, M J 040995
Jones, P 034680
Jones, R 037035
Jones, R L 036321
Jongebreur, A A 033646
Jongerius, A 040707
Jonkel, C J 039576
Jonkers, H 037793
Jonslars, E 033112
Jonson, G 033401
Jonsson, L 041009, 041010
Jonsson, R 033299, 036701
Jonsson, S 036201
Jonxis, J H P 032471
Jordan, K A 031116
Jordan, L D 041616
Jordan, R M 034411
Jorde, I 036138
Jorgensen, A O 033789
Jorgensen, B B 037134
Jorgensen, V 041433
Josefsson, E 033299
Joseph, A C 033512
Joseph, H M 036149
Joseph, K G 032798
Joseph, K T 041109, 041110
Joshi, B P 033966
Joshi, D C 038026
Joshi, D P 041339
Joshi, G P 039422
Joshi, G V 037454
Joshi, J P 039206
Joshi, K C 036990
Joshi, L K 038714
Joshi, M C 038662
Joshi, R N 033325
Joshi, S N 031021
Joule, J A 036740
Jouravska, N K 033048
Journe, H E 033038, 033607
Jousset, F X 039615
Jovmir, G 041054
Jow, N 033915
Joyce, F W 040458
Joyner, L P 035183
Jozefaciukowa, W 037909, 037910
Judd, W W 039233, 040043
Judy, J W Jr 040489
Juel, O 032105
Juengst, F J Jr 039557
Juengst, F W 039580
Juglart, de 034875
Juhasz, B 034249
Juhl, M 039068
Juhr, N C 035288
Jukes, Thomas H 032362
Juliano, C 031095
Julsrud, O A 038627
Jung, J 034294
Jung, S 033670
Jupp, N C 038270
Jurak, E 034861, 034938, 035271
Jurd, L 033251, 037286
Jurko, A 036209
Jurkovic, M 031018, 037959
Jury, W A 040774, 040775
Jurzysta, A 032891
Jurzysta, M 036846, 037500
Jutsum, P J 032325
Juven, B J 033132
Juvonen, R 035844
Kaafjeld, G 035523
Kabakova, N M 037250
Kabanov, V S 036901
Kabanov, V V 037861
Kabeere, F 038794
Kabir-Biyuk-Ogly, A 034820
Kablova, N G 040812
Kabrick, M 031674
Kachanin, A L 041214
Kachru, R P 033205
Kaciuba-Uscilko, H 033896
Kacmarik, J 034860
Kada, T 034757
Kadane, V 033296
Kader, A A 033402, 033403
Kadiev, A K 034601
Kadlec, V 035223, 039514
Kadowitz, P J 034050
Kadymov, R A 035204
Kadzhaia, D V 034192, 034193
Kaeckenbeeck, A 034988
Kafkafi, U 041042
Kagemoto, A 037076
Kageyama, A 034706
Kagi, D A 032860
Kahl, M J 032256
Kahn, J S 036784
Kahre, L 038162
Kahrl, William L 032578
Kahrs, R F 035053
Kaib, M 039936
Kaidanov, L Z 039762
Kaigorodova, M S 037897
Kain, R J P 031202
Kain, W 033430, 033433
Kainuma, K 032847
Kaiser, F 031102
Kaiser, R 033671
Kaiser, S A K M 038839
Kaiser, W J 038932
Kaji, A 037361
Kaji, K 035724
Kajihara, M 035567
Kajiwara, T 037804
Kajtar, M 035923
Kakhnovich, L V 037867
Kakimoto, S 036589
Kakpakov, V T 039764, 039928
Kakuda, Y 033120
Kakudo, M 036328
Kakuk, T 034394
Kakumukova, P 037721
Kalacheva, E N 033481
Kalafa, S 035228
Kalaidshiewa, S 038037
Kalandarova, M P 035435
Kalashnikov, V T 041214
Kalashnikova, K V 038192, 038211
Kalashnikova, N A 037225
Kalasinsky, C 041560
Kalaswad, S R 041597
Kale, V R 039169
Kaler, V I 036975
Kalichava, G S 038812, 039060
Kalimi, M 034145
Kalinin, F L 037411, 037875
Kalinovic, I 040007
Kalisch, J H 035851
Kaliteevskii, R E 035814
Kalitina, T A 032150
Kallapur, V L 039803
Kallio, P 036194
Kalman, H 040228
Kalmykov, V A 035248
Kalous, F 034231
Kalra, M S 032965
Kalra, S K 035076
Kalshnikov, I D 036870
Kalsi, P S 037750
Kalugina, N S 040074, 040172
Kaluniants, K A 037213, 037225
Kalus, IU A 038194
Kaluza, G 035133
Kal'yan, YU B 036895
Kam, M de 038857
Kamalanathan, G 031081
Kamalapur, P N 035088
Kaman, J 035378, 035381, 035387
Kamangar, T 033419
Kambal, M A 039742
Kamel, M 031945
Kamel, M S 037948
Kamemoto, H 036264
Kamenek, V M 034181
Kameneva, S V 036673, 036674
Kameoka, H 032894, 037758
Kamerling, G E 040839
Kameswara Rao, V 037300
Kametaka, M 034427, 035297
Kaminek, M 037369
Kaminetzky, H 032258
Kaminskaia, L N 036647
Kaminski, E 035829, 035871
Kaminski, M 034565
Kamiya, M 031909
Kamiyoshi, M 034093, 034094, 034095, 034685
Kammen, A van 037649
Kampelmacher, E H 032088, 032089, 035214
Kampen, E J van 034135
Kamrick, J L 036486
Kamyshenko, L K 036977
Kan, K S 037205
Kanapilly, G M 035413
Kanaseki, T 037016
Kanashchenko, A G 031937
Kandatsu, M 034087, 034088, 034089, 035297, 041602
Kandeva, R 037724
Kandler, O 037303, 037696
Kaneda, M 037765
Kaneko, H 036728
Kaneko, I 036809
Kaneko, J J 033867
Kaneko, S 031972
Kang, M S 038782
Kanivets, N P 036970, 037402
Kanivets, V I 040737
Kankel, D R 039689
Kannaiyan, J 038614
Kannaiyan, S 038693
Kannenberg, L W 036409
Kanno, I 040711
Kanno, T 033957
Kano, M 034045
Kanoe, M 035014, 035015, 035016
Kan'shina, M V 036517
Kanstad, T 038070
Kantarev, I 037720
Kanunikov, N E 035582
Kanwar, J S 031044, 037747, 041523
Kanwar, R S 039552
Kanwar, Z S 038689
Kanyoko, S 031887
Kao, C H 035858
Kao, H Y 035858
Kao, W W Y 033786
Kaouktchechvili, E I 033048, 033049
Kapala, A 038014
Kaphengst, P 034924
Kapil, R N 036335
Kaplan, I S 036630
Kaplan, M L 035308
Kapoor, C M 032971
Kapoor, J N 036025, 036027
Kapoor, V C 039454, 039707
Kapoor, V K 037193
Kapsiotis, G D 032690
Kapul'tsevich, IU G 037250
Kapur, S K 039327
Kapur, S P 039327
Kapustina, V V 037009
Kar, A K 036081
Karabashkin, I V 034489
Karacharova, L P 036366
Karacsonyi, S 035717
Karadi, G M 041326
Karaeva, Z S 040575
Karagiannidis, A 034696
Karakuziev, T U 037550
Karamanlidis, A N 033701
Karamshuk, Z P 040726, 040809
Karapetyan, N V 037441
Karasawa, I 036775
Karas'ov, H M 035509
Karasso, J 034364
Karaush, G A 037277
Karavaeva, N N 037233, 037234
Karczewski, J 039407
Kardos, L T 040675, 040899, 041606
Kare, Morley R 032241
Karg, W 040167
Karkhanis, Y D 032714
Karlog, O 035429
Karlsson, K E 036699
Karmadonov, A N 035818
Karmoliev, R Kh 035241
Karov, D 040262
Karpenko, A S 036185
Karpenko, A V 039396
Karpilenko, G P 033147, 037537
Karpilov, I US 037430
Karpilov, YU S 037443, 037583
Karpiuk, V N 034493
Karpov, O N 035438
Karpova, E S 040873
Karr, G L 031881
Karryev, M O 036883, 036884
Karsch, F J 034666
Kartashova, E R 038804
Kartashova, V M 032137
Kartusch, B 036350
Kasai, K I 034023
Kasai, T 038733
Kasch, W 031169
Kasdy, A M 037953
Kaseda, Y 034349
Kasha, K J 036406
Kashani, M 034165
Kashevatskaia, L A 038208
Kashiwa, H K 033842
Kashiwadani, H 036037
Kashiwamata, S 034029
Kashiwazaki, M 035062
Kasimatis, A N 038245, 038246
Kasimov, E N 034184
Kasparova, M A 036827
Kassai, T 039529
Kassanis, B 038921
Kassler, D 038320
Kastanek, C 040372
Kastrikina, L N 032498
Kastrup, K W 035367
Kasymov, Sh Z 036888
Katagiri, S 036229
Katayama, H 034348
Katayama, T C 036582
Kathirithamby, J 039702
Katiyar, D S 036498
Katiyar, O P 039320
Kato, H 040713
Kato, T 037159
Katona, L 031987
Kats, D M 041260
Katschinski, K H 033379
Katsube, Y 037299
Katumoto, K 035990
Katz, B M 041568
Katz, M 041520
Katzfuss, M 038265
Katzman, M T 031030
Kaufert, F H 035510
Kauffman, S 037078
Kaufman, B T 033765
Kaufmann, G 040937
Kaufmann, H G 040937
Kaufmann, W 034334, 034335, 034336, 034340
Kaul, B K 040115
Kaul, B L 039284
Kaul, H G 040316, 040322
Kaul, H N 039463
Kaul, J N 037762, 038127, 039165
Kaul, P 040315
Kaumann, A J 034116
Kaunitz, H 032385
Kaupp, W J 039382
Kaur, B 033393
Kaur, G 037747
Kaur, P 035417, 038669, 038719, 039454
Kaur, S 038669, 038719
Kaurov, B A 039759
Kaushal, D C 040659
Kaushal, J R 038032
Kaushik, N K 039746
Kaushik, S N 031282
Kaussmann, E U 036754
Kauttu, Kyllikki 032688
Kavadia, V S 039230
Kavanagh, A J 040350
Kavanagh, J A 033012
Kawada, H 040572
Kawalek, J C 034107
Kawamura, T 038734
Kawano, Y 039570
Kawasaki, S 032846
Kawase, M 038364
Kawashima, R 035351, 035352
Kawashima, Y 041355
Kawata, S 037543
Kawecki, A M 033908
Kay, C 031098
Kay, K 041529
Kay, S R 032458
Kazakov, G A 037122
Kazakova, A S 038803
Kazanskaya, T B 037119
Kazantsev, E N 037222
Kazantseva, L A 038810
Kazar, G 035065
Kazar, J 034959
Kazarian, A G 033900
Kazarian, G M 033900
Kazi, A 040678
Kaz'mina, T P 034936
Kazura, P P 035252
Keane, R 032462
Kearney, B 041028
Keath, C T 034453
Keating, Lynne Rae 032593
Keays, J 035854
Keays, J L 035884
Kechek'ian, IU K 040548
Kee, N S 040974
Keen, P 035128
Keen, R E 035549
Keeney, D R 041558
Kefalides, N A 034037
Kefeli, V I 036937, 037678
Kehoe, R L 032842
Keiding, J 039471
Keirans, J E 040109
Kekelidze, N A 037268
Keleberda, T N 034435
Kelkar, S S 038906
Kelkar, V K 041597
Keller, H 040536
Keller, J J 033029
Keller, W 036228
Keller, W A 036408
Keller, W E 041619
Kellerman, T S 035127
Kellison, R C 035647
Kellner, E 038121, 038145
Kellner, V 035456
Kelly, C A 031992
Kelly, G J 040454
Kelly, J D 032210, 035159, 036430
Kelly, J F 036535
Kelly, M G 037086
Kelly, P J 037308
Kelly, R A 041545
Kelly, R F 033104, 034479, 034482
Kemerer, V F 033765
Kemertelidze, E P 036878, 036879
Kemp, A L W 040631
Kemp, C L 036339
Kemp, P 032952
Kemp, R F O 037316
Kemp, R G 040454
Kemp, T R 037806
Kempe, W 034837
Kempen, H M 039104
Kemper, W D 041190
Kempfle, M 034211
Kempler, G M 032099
Kempster, A J 033086
Kempton, D P H 039316
Kendall, D A 040251
Kender, W J 037793
Kendle, K E 034684
Kendrick, J B 031932
Kendrick, J G 031765, 031880
Kendysh, I N 034169
Keng, H C 032416
Kennedy, G C 036103
Kennedy, J S 039782
Kennedy, R K 035303
Kenner, R A 037093, 037095
Kennett, H S 033123
Kenny, G E 035148
Kenzheev, Sh 035239
Keogh, E J 034690, 034691
Ker, J 039491
Kerimov, S Sh 036898
Kerkvliet, J D 032715, 032716
Kern, H 038213
Kerney, J M 040240
Kerr, W E 040225
Kershaw, K A 036856, 036857, 036858, 036859
Kershengol'ts, B M 036806
Kertesz, Mrs Z 041020
Ketchum, B H 041517
Ketjen, G T 041037
Keulen, H van 037136
Keuli, S D 038621
Keusch, G T 032265
Kevan, D K M 039810, 040169
Kew, O M 036560
Kewani, E A 037642
Key, J L 037363
Keyder, C 031099
Keyser, R B 034171
Khabarov, A V 040830
Khachatrian, N K 036280
Khadr, M S 040859
Khadzhiianakiev, A 040751
Khaertynov, S Kh 035248
Khafizov, R Kh 032896
Khafizov, R N 036681
Khaidarova, Z M 039114
Khakimov, P A 034166
Khalaf, S 039438
Khalfia, A S 038292
Khalil, A R 037953
Khalizev, A E 034815
Khamadeev, R Kh 035202
Khamidov, D Kh 034166, 034217
Khamidullina, L 032501
Khan, A A 033979, 036837, 037810
Khan, A M 038711
Khan, A R 034118

Khan, M A 039200
Khan, M M 039038
Khan, M N A 038537
Khan, M R 040803
Khan, M W 038673, 038711
Khan, P 032125
Khan, R A 038772
Khan, S 032463
Khanaeva, Z S 034194
Khandak, R N 032945
Khandzhian, N S 035966
Khanna, P 037452
Khanna, R 039134
Khanna, S K 039134
Kharadly, E A 031945
Kharalanov, V 038130
Kharchenko, E V 040281
Khare, K B 036000, 036079, 036082, 039687
Khasankaev, Ch S 035579
Khashes, TS M 036331
Khashimov, Kh N 036891
Khasim, D I 032868
Khatoon, S 036762
Khatri, H L 038907
Khazhakian, Kh K 037397, 037401
Khempel', G 035578
Khempel', M 035578
Kherata, R B S 038689
Khesin, IA E 035279
Khirwar, S S 035417
Khisamutdinova, V I 037417
Khizantsian, S M 038960
Khlebodarova, T M 034819
Khlopenkova, L P 036937, 037399
Khlopitskii, P G 035254
Khmara, V V 037604
Khmurovich, V P 040275
Kho, K F F 037816
Khodair, M M 038757
Khodzhaev, A S 037415
Khodzhiev, A 037449
Khoe, T H 033258
Khokhiakov, A P 037331
Khokhlenko, A F 037209
Khokhlov, S S 036518
Khokhriakov, A P 035982
Khokhrina, T A 036899
Kholikova, T A 039761
Kholmatova, M 037745
Khomenko, V A 036894
Khomko, V G 038211
Khor'kov, I A 035251, 035278
Khoshoo, T N 036717
Khotianovich, A V 038797
Khotyleva, L V 036647
Khovaeva, L A 039598
Khramova, G A 037442
Khrenov, V M 035245
Khristov, K 039170
Khrolikova, A Kh 037850
Khrulev, V M 035824
Khrustalev, S A 034603
Khrustaleva, M A 040846
Khrustselevskaia, N M 039503
Khuchua, G N 037224
Khudadov, G D 032494
Khuong-Huu, F 036747
Khurana, H S 032240
Khuriakov, I V 039060
Khusainova, I S 034219
Khussar, V 031474
Khval'kovskaia, A V 035235
Khvostova, V V 036526, 036630
Kiang, L C 036596
Kibarska, T 036919
Kidd, L N 040028, 040034
Kidson, E B 040700
Kidwell, J F 039853
Kidwell, M G 039853
Kiefer, R W 031214, 031215
Kiefer, W 041305
Kieffer, R 033229
Kiehn, H J 033577
Kiely, J 041149
Kieny, M 034052
Kies, C 032303
Kiese, M 035393
Kietreiber, M 037563
Kiffner, W 038309
Kihara, H 036580
Kihara, T 035423
Kihlman, B A 036601
Kijora, C 034321
Kikani, K P 039326
Kiknadze, I I 039693, 039933
Kikuchi, K 040715
Kikuchi, M 037075, 037482
Kikuchi, T 033248, 036206, 041355
Kilbey, B J 036587, 036603
Kilen, T C 036420, 036456
Kilifarska-Petkova, M 037251
Kilkki, P 035616
Killick-Kendrick, R 039838
Killion, C E 032829
Kilner, R 035920
Kilpatrick, R A 038575
Kim, H 036944
Kim, H D 033806, 034062
Kim, P D 040473
Kim, R E 034853
Kimball, S L 037391
Kimbler, O K 035898
Kimbrough, J W 038964
Kimeridze, K R 036140
Kiminogawa, S 032928
Kimmel, D C 031873
Kimoto, T 035305
Kimura, M 038923
Kimura, N 034426
Kimura, T 038882
Kinbacher, E J 039273
Kincaid, R L 035431
Kinder, E 035156
Kinder, J E 033886
Kindler, S D 039273
Kindleysides, L 032757
Kindred, B 035200
Kinerson, R S 037916
King, A B 032255
King, A M Q 035104, 035105
King, C J 038619
King, Dennis C 032582
King, G J 034580
King, J 032293, 034770
King, J M 035442, 035443, 035444
King, K W 032266
King, R H 034273
King, R W 037673
Kinghorn, A D 037186
Kinghorn, J R 036561
Kingsbery, E C 033183
Kingsbury, E T 035052
Kingslien, H K 035747
Kinkead, E R 035442, 035443, 035444
Kinkel, H J 032118
Kinsman, L T 037208
Kinter, W B 039582
Kintia, P K 036913, 037171, 037210
Kinzburz'kyi, Z S 034524
Kipnis, A A 037465
Kipyatkov, V YE 039724
Kirby, D S 031693
Kirchberger, M A 034039
Kircher, C H 035403
Kirchgessner, M 032512, 034308, 034322, 034525, 034527
Kirchmayerova, J 035451
Kirchner, A 031889
Kireicheva, L V 041270
Kirichenko, V P 041265
Kirichenko, V V 036706
Kiriiak, A 041168
Kiriunova, A 038057
Kirk, A A 039705
Kirk, G R 035421
Kirk, L D 033551
Kirk, W G 034599
Kirkeby, S 033917
Kirkerod, T 038743
Kirkman, C J Jr 031450
Kirkpatrick, B L 038774
Kirnos, P S 037414
Kirnos, S V 037421
Kirov, N 033035
Kirova, S M 035484
Kirpaneva, L I 041097
Kirpichnikov, V S 034818
Kirpichnikova, N A 037327
Kirsanova, R V 039916
Kirsap, B H 032732
Kirschfeld, K 039797
Kirton, A H 033037, 033099
Kirton, C 031749, 031750
Kiryushin, V I 040822
Kiselev, A N 035818, 039502
Kiselev, G M 035572
Kiselev, IU A 034178
Kishi, H 036243
Kishkovskii, Z N 033474
Kislykh, E E 040563
Kismali, I 037883
Kismanyoky, T 037493
Kiss, J G 037405
Kissel, D E 040997
Kissill, G W 041508
Kissinger, P T 033413
Kisten', H IE 031392
Kitabatake, T 032103
Kitagawa, C 037758
Kitamura, E 037515
Kitanov, G 036010
Kitchenham, B A 033994
Kitsutaka, A 036579
Kitts, W D 033535
Kitzrow, D 035290
Kiuchi, K 033264
Kiupel, H 035152
Kiyohara, T 037766
Kiyosawa, S 038571
Kjelvik, S 036193
Klaghofer, E 041673
Klain, M 034103
Klamka, S 031406, 031407
Klar, A J S 037011
Klare, K 031489
Klasen, J 038506
Klaska, K H 037792
Klassen, W 039222
Klassovskii, L N 039503
Klasz, W 031242, 031452
Klatt, G 040389
Klausner, S D 040999
Klausnitzer, B 040008
Klaustermeyer, J A 033402, 033403
Klautschek, G 034324
Klauzer, L 035382
Kleeberg, H B 041445
Kleemann, G 035603
Kleiber, E 031685
Kleickmann, A 035290
Klein, D 036239
Klein, D C 033887
Klein, M 035291
Klein, R E 032257, 032273
Kleinendorst, A 037489
Kleiner, B 041657
Kleinert, S J 041325
Kleist, H 031888
Klemas, V 031211
Klemke, A 033908
Klemparskaia, N N 035437
Klepal, M 034942
Klethi, J 034100
Klettner, P G 033067
Klevay, L M 032323
Kley, H K 034639
Kliewer, W M 038245
Klima, D 033116
Klimashevskii, E L 037706
Klimenko, A A 039523
Klimenko, G G 040725
Klimenko, S M 035281
Klimov, S V 037601
Klimov, V V 037441
Klimova, G V 037275
Klimovitskaia, Z M 036932
Klindt, T H 031439
Kline, D E 035899
Klingaman, E D 041352
Klingbeil, G C 038220
Klingman, D L 039117
Klingman, G C 039133
Klink, G 040378
Klinkert, L M 032472, 032478
Klipstein, F A 032260
Klischies, M 036866
Klish, W J 032276
Kliuka, V I 037413
Kliukach, A A 031767
Kloc, M 039739
Klock, G O 035499
Kloek, M 032871
Kloppel, R 037305
Kloprogge, J J J 038406
Klose, A 038843
Klossek, H 034747, 034748
Klotz, L C 036861
Klotz, L J 038969
Klous, C V Jr 032843
Klug, A 038930
Kluger, H 041357
Klyshev, L K 037863
Klyszejko-Stefanowicz, L 033818
Kmetzsch, K 031686
Knaack, H 033493, 040319
Knaap, A G A C 039880
Knape, G 035362
Knapp, A 032483
Knappe, S 040911
Knappen, F 034117
Knauer, K W 034894
Knauf, H 033938
Knaut, W 031336
Kneebone, W R 036440
Kneiding, U 041146
Kneller, S K 034889
Knezik, J 035385
Kniazeva, L A 034191
Knierim, F 039647, 039648
Knight, D W 036867, 037026, 037298
Knights, R J 034038
Knipfel, J E 032411
Knobl, G M Jr 032070
Knoblich, K 041458
Knoepfler, N B 031956
Knoll, J 040484
Knoppler, H O 032000
Knospe, K H 041152
Knoth, R 036394
Knothe, J 035625
Knowles, C O 039225, 039565
Knowles, R L 035548
Knox, E G 040691
Knox, H T 041043
Knox, J R 037160
Knox, J W 034437, 034445, 035145, 038080
Knox, W D 031712
Knox, W T 031840
Knudson, D L 039866
Knutson, D M 039141
Knutson, L 040140
Ko, T S 037361
Ko, W H 038763
Kobakhidze, L A 036359
Kobayashi, H 033859
Kobayashi, K 031723, 038816, 040403
Kobayashi, M 041641
Kobayashi, S 037515, 041483
Kobayashi, T 032465, 032466
Koblet, W 036354, 041091, 041092
Kobsa, F 031771, 031819
Koburger, J A 032094, 032099
Kobus, I 036494
Koch, C K 039248
Koch, H J 038304
Koch, J 035733
Koch, R 032305
Kochankov, V G 036937
Kochert, G 036306
Kochetova, N I 039971
Kochev, Kh 037408
Kochs, H J 038833
Kociecki, S 035688
Kocienski, P J 039390
Koczwanski, S 035624
Kodama, A 036329
Kodanev, I M 031937
Kodyrov, K 033212
Koefoed, B M 039672
Koenig, P A 031956
Koev, K I 041036
Kof, E M 036937
Kofranek, V 035434
Kogan, I G 036512, 036513
Kogan, M 039258
Koganezawa, H 038884
Koger, M 034405, 034599
Kogiso, S 037293
Kogut, M 041007
Kogut, M M 038848
Kogut, P P 032500
Koh, T J 034661
Koh, T S 034423
Kohda, H 037069
Kohlein, F 038493, 038494
Kohler, G 033379
Kohler, R 034926
Kohli, R N 033982
Kohli, S P 036605
Kohmoto, K 038733, 038734
Kohn, G K 039548
Kohne, K H 040395
Kohne, M 031411
Kohno, M 036768
Koinov, V 040751
Koishibaev, G K 035256
Koizumi, C 039389
Kojima, A 033876
Kojima, M 038883, 040712
Kokina, A V 038849
Kokrashvili, T A 039060
Kolari, O E 033078, 041589
Kolb, E 034750
Kolbasina, E I 037412
Kolbe, G 040988
Kolbl, M 034226
Kolchin, N M 036461
Kolczak, T 034542
Koldovsky, O 032414
Kolek, J 037368
Kolesenkova, M S 038535
Koleshko, O I 040686
Kolesnik, N D 038177
Kolesnikov, N N 039693
Kolesov, A F 040745
Kolev, V M 037431
Koll, C 041620
Kollatsch, D 041678
Koller, G 038277
Kollig, H P 041506
Kollmorgen, J F 038811
Kolobova, N G 034185
Kolodner, R 036314
Kolomatskii, A V 038195
Kolomiiets', M M 038530
Kolontaev, V M 036670, 036671, 036672
Koloskova, A V 040810
Kolosov, V M 038940
Kolosovskii, Zh A 031376
Kolotenkov, P V 036693
Kolpakov, I 040266
Kolpnin, G V 039502
Komakhidze, M E 033775
Komandi, Gy 040408
Komarek, J 034221, 034233
Komarova, P I 036518
Komatsu, M 034706
Komblas, K N 039277
Komissarenko, N F 036873, 036874
Komizerko, E I 036937, 037278
Komolafe, C O 038795
Komora, F 035770
Komoto, Y 038572
Konagaya, S 032752
Konarev, V G 037263
Konarzewski, Z 037662
Kondakov, I 037251
Kondo, N 036903
Kondo, S 039961
Kondrashova, V M 032495
Kondratenko, V G 034792
Kondrat'ev, M N 037852
Konechnaia, V P 038199
Konecny, S 032143
Konicek, Z 041642
Konig, A 034671
Konig, E 035462
Konig, W 039077
Konning, G H 037192
Kono, I 035361
Kononkov, L F 037851
Kononov, V P 034805
Konopacki, J 033723
Konopik, B 040307
Konopka, R G 034022
Konoshima, M 037068
Konotop, A 038897
Konovalov, S A 036771, 037209, 037225
Konrad, V 035385
Konstantinov, G P 041035
Konstantinov, S I 038189
Konstantinov, V D 036181
Konstantinova, M 036476
Konstantinova, T N 036357
Kontaxis, D G 038855, 038965
Konttinen, J 031853
Konya, K 037999
Koocheki, A 038048
Kooh, S W 032386
Koop, H U 036348
Kopel'man, I A 040359
Kopp, B 037150
Koppel, Z 035226
Koppen, D 031332
Kopylov, V A 034167
Kopylova, A K 033480
Kopylova, N V 032498
Korabitskii, N K 038190
Korableva, N P 037636, 037683
Koranyi, Gy 033228
Korb, A 038012
Korbar-Smid, J 037197
Korchagin, A I 035245
Korchemnyi, M O 031392
Korczyk, A 035687
Kordan, H A 037474
Korenevskaia, V E 040846
Koren'kov, D A 041097
Koreshkov, V N 033122
Korge, G 039902
Koriath, H 040440, 040917, 041521
Kormakov, L F 031400
Korneev, N A 033567
Kornegay, E T 033570, 033571, 033661, 034469, 034470, 034473, 034474, 034476, 034480, 034793, 041063, 041652, 041653
Korobova, L G 033502
Korochkin, L I 034626, 039694
Korolenko, A I 040473
Korolev, V A 034812
Korolev, V G 036661, 036675
Koroleva, O IA 037708
Koroleva, T M 035976
Koronelli, T V 040688
Koropatiuk, E E 037840
Korosi, J 037185
Korotchenko, N I 037214
Korotyayev, B A 040064
Korovkin, R L 035813
Korschewitz, I 034307
Korshunova, L N 035236
Kort, C A D de 039877
Kortekaas, B M M 031553
Korzhenevskaya, T G 037114
Koschke, E 035763
Koselkova, M 035264, 035268
Kosenko, H I 037604
Kosenok, P M 035375
Koshaleva, L L 037464
Kosharov, A N 034490
Kosharova, L M 034490
Koshcheenko, K A 037116
Koshelenko, O IU 033584
Kosher, R A 034059
Koshimizu, K 037159
Koshovyi, V P 035219
Koshtoyants, N D 036769
Kos'ianchuk, A 031936
Kosicki, K 035869
Kosikowski, F V 032957
Kosmakova, V E 037575
Kosmer, H J 036210
Kosolapov, V B 035596
Kosovan, S 041227
Kosovel, V 036952
Kossanyi, J 039935
Kossobudskaia, N S 033474
Kosta, K 033721, 033722
Kostenkov, N M 040825
Kostin, I A 040077
Kostina, A E 037276
Kostiuk, N N 037398
Kostowska, B 039150, 039151
Kostromytin, V M 038180
Kosturski, N 038132
Kostyuk, N N 036977
Kosutzky, J 035451, 035453
Kotel'nikov, G A 035245
Kotes, A 034511
Kotomina, E N 033438
Kotova, G 040267
Kotova, S A 034807
Kotsian, I 032480
Kotter, C M 033629
Kottman, J 035384
Kotula, A W 033087
Kotze, W A G 041139
Kounovski, Z 038607
Kovacina, T A 041680
Kovacova, E 039472
Kovacs, G 031245, 040855
Kovacs, J 037999
Kovacs, K 033220
Koval, C F 038220
Koval', O A 041267
Koval, T M 039904
Kovalenko, IA R 035210
Kovalenko, M A 034521
Kovalenko, S P 036666
Kovalenko, V I 036520
Kovalev, A G 037906
Kovalev, V E 035816
Kovalev, V G 031399, 040177
Kovaleva, N V 037212
Kovalevskii, IU V 040136
Koval's'kyi, IE M 034523
Koval'tsova, S V 036525
Kovaru, F 035063
Kovats, M 036624
Kovbasa, V P 041209
Kovda, V A 041254
Kowalczyk, J 033715, 033721, 033722
Kowalewitz, D 035772
Kowaljow, J 040480
Kowalkowski, A 041103
Kowalska, D 033707, 033838
Kowalski, M 035671, 036232
Koyama, H 037930
Koyama, M 035423
Koychev, K 033880
Kozachenko, M R 036706
Kozaki, M 032848
Kozar, F E 038941
Kozarev, G 041197
Kozenko, E M 033464
Kozera, W 036500, 036501
Kozhanov, N G 038940
Kozhevnikova, T L 040743
Kozhin, S A 036516
Kozhina, I S 036885
Kozhushko, N N 037429
Kozich, A I 038916
Kozicheva, E F 039245
Kozlov, I V 041118, 041135
Kozlov, L V 032946
Kozlova, L I 032718
Kozlova, T I 040359
Kozlovskaya, V F 036668
Kozlovskii, E V 035255
Kozlovskii, IU V 033475
Kozlowski, A von 033075
Kozma, F 037738
Kozochkin, V K 040359
Kozub, G I 038477
Kozuch, O 034960
Kozumplik, J 034941
Kozusnikova, A 035228
Kozyrenko, T I 035207
Krabbe, H 040551
Kracht, U 031933
Krahnstover, K 038313
Krainova, V I 035232
Krainz, H 036043
Krajca, J M 041311
Kral, E 034949

Kral, F 035941
Kramarchuk, F M 033459
Kramartchuk, F 038278
Kramer, C L 038760, 038775
Kramer, C Y 041063
Kramer, S 038308
Kramers, P G N 039880
Kramhoft, B 037110
Kramier, S J 039877
Krannich, K 033649
Krapfenbauer, A 035514
Krasavina, M S 036939
Krasichkova, G V 036973
Krasil'shchikov, L A 041262
Krasnokutskii, V 038060
Krasnook, N P 037536
Krasnopevtseva, N G 036516
Krasnovskii, A A 037441, 037685
Krasnykh, I G 033774
Krasochkin, V 033555
Krasochkin, V T 038810
Kratky, B A 038508
Kratzig, P 031684, 038402
Kraus, A 036958
Kraus, A A 035133
Kraus, H 031999
Kraus, V 038412, 040305
Krause, G H 037817
Krause, J 033668
Krauss, M 038145
Kravchenko, A T 035205
Kravchenko, I O 031741
Krczal, H 039078
Krebs, C 038478
Krebs, O 038011
Kreibich, W 031332
Kreider, J L 034722, 034723, 034726, 034727, 034728, 034737, 034738, 034913
Kreisel, H 036005, 036007
Kreiss, K 040440, 041521
Krella, P 033494
Kremer, B P 037330
Kremser, M 040915
Krendelsberger, H 035459
Krenzlin, A 031172, 031188, 031190
Kreslavskii, A G 039959
Kretchun, T M 037711, 037712
Kretovich, V L 036827, 037359, 037648
Kretschmar, M 040911
Kretschmer, F J 032009
Kreuzer, W 032008
Krezdorn, A H 039076
Kriatova, R IE 034867
Krieg, A 039247
Krieghoff, E 034304, 034315
Kriek, W 035677
Kriesel, K 037901
Kringstad, R 037173
Krinsley, D H 040583
Krippner, S 034832
Krishnamoorthy, K K 039534
Krishnamurthy, K 031435, 033266, 038084
Krishnamurthy, K S 032408
Krishnamurthy, K V 039236
Krishnamurthy, M N 037781
Krishnan, K P R 041313
Krishnaprasad, C A 038510
Krishnaswamy, M A 032087
Krishnaswamy, S Y 031041
Kritchevsky, D 035368
Kritskii, G A 034167
Kriukova, L M 035437
Kriutchenko, E G 037231
Krivchenko, V I 038800
Krivenchuk, P E 036873
Krivenkova, E M 032917
Kriventsov, IU M 034627
Kriventsova, V F 034627
Krivolutskaia, G O 039712
Krivolutskii, D A 039695
Krivtsov, I L 034491
Krivtsov, N I 040283
Kriz, M 033951
Krizanova, H 035226
Krizek, R J 041568
Krobova, J 034957
Kroeger, H 039684
Krog, H 036080, 036085, 036089, 036093
Krogh, P 035430
Krogstrup, E 031378
Kroiter, M K 034811
Krol, B 033072
Krol, M 037503
Kromer, G W 031810
Kronmal, R A 032262
Kroshkin, A N 041438
Krotkov, G A 035281
Krueger, K K 033103
Krueger, W F 033103, 034456
Kruger, O 031332
Kruger, W 038834
Kruglova, YE K 041096
Kruglyakova, K E 032717
Kruif, A de 034581, 034839
Krull, I S 039406
Kruml, J 035064
Krumm, C J 031365
Krummel, D 033373
Krumov Nikolov, T 036819
Krupa, S V 039036
Krupicka, V 035263
Krupinski, V M 037012
Krupskiy, N K 040831
Krut', V M 038210
Krutsyk, M D 035586
Kruyk, P A 031351
Krylov, D G 039602
Krylov, L 038059
Krylova, T V 039602
Krzymowski, T 034961
Krzysik, F 035506, 035872
Krzyzanski, A 035873
Ktitorova, I N 036939
Kubackova, M 035717
Kube, G 033036
Kubelka, V 032855
Kubelka, W 037150
Kubichek, R 032459
Kubisova-Kropacova, S 040285
Kubitz, K 038302
Kubo, T 032767
Kubokawa, S 037515
Kucera, A 034224
Kucera, C L 038043
Kucera, F 033684
Kucera, J 034826
Kucera, L 035779
Kucheriavyi, V F 038193
Kuchuhura-Kucherenko, N K 041124
Kucinic, D 034850
Kudashev, A K 034935
Kudelina, A G 040562
Kudeyarov, V N 040834
Kudjer, F J 031673
Kudlac, E 034862, 034865
Kudrev, T 037686
Kudriashova, N I 040175
Kudriavtsev, I V 034628
Kudriavtseva, G A 035279
Kudzin, IU 041007
Kudzin, IU K 040872
Kudzin, YU K 040836
Kuehl, L 033784
Kuhbauch, W 033589
Kuhfuss, W 031837
Kuhn, A 033985
Kuhn, C W 038895
Kuhn, G D 033324
Kuhne, D 032225
Kuhne, F A 037621
Kuhne, H 039870
Kuhns, L J 038993
Kuhr, R J 039341
Kuimova, T F 037122
Kukalova-Peck, J 041665
Kukkula, M 034495
Kukresh, L V 038203
Kuksgauzen, N A 040136
Kulaev, I S 037282
Kulakov, V A 035722
Kulakowskaja, T 040986
Kulandaivelu, R 033140
Kulangara, A C 034686
Kuleshov, K 038064
Kulesza, J 041666
Kulibekov, F M 035204
Kulich, J 040752
Kuliev, A M 036708
Kuligowski-Andres, J 036274
Kulik, M M 035927
Kulisiewicz, J 033715
Kulka, K 037561
Kulkarni, G N 036605
Kulkarni, K R 038083
Kulkarni, L G 036554
Kull, K E 034932, 035218
Kullmann, A 041189
Kulshrestha, S P 040334
Kumagai, K 034111
Kumar, A 032970, 037935, 038648, 038664, 038699, 039425, 039531
Kumar, J C 038437
Kumar, K G 032407
Kumar, M N A 034381
Kumar, N G 033973
Kumar, P 036459
Kumar, R 040025, 040168
Kumar, S 032409, 035084, 037347, 037755, 038708, 039053
Kumar, V R 038648, 038664, 038699
Kumat, V S 031496
Kumatani, K 032894
Kumazaki, K 034348, 034591
Kume, K 032752
Kumoi, K 038881
Kump, A 037598
Kumta, U S 032795
Kun, D 040746
Kunakh, V A 036462
Kunchev, D 032925
Kunchev, K 040264
Kundler, P 038010, 041151
Kunert, G 038305
Kunetsch, N 036853
Kung, S D 036638
Kunichkin, G I 039516
Kunin, A S 033844
Kunisaki, J T 037735
Kunoh, H 036768
Kunstler, K 037081
Kunstmann, M P 037066
Kuntze, A 035155
Kunz, W 039755
Kunze, A 040916
Kunze, L 039078
Kupatz, B 034574
Kupchan, S M 037258
Kuperman, F M 036610
Kuperus, J A 031168
Kupper, B 038187
Kuppers, U 037330
Kuppers-Sonnenberg, G A 033236
Kuppuswamy, P B 035324
Kupriianov, V V 033774
Kupsky, G 035697
Kupzow, A J 036484
Kurachi, K 033780, 033781
Kurahashi, M 032381
Kuraishi, H 039021
Kuramagomedov, M K 037622
Kurata, H 040201
Kurchatova, G P 041428
Kurchenko, F P 035242
Kurdiuk, M H 035509
Kuria, R M 039508
Kur'ianova, T K 035817
Kurichenko, O V 031397
Kurihara, M 039251
Kurihara, N 034022
Kurihara, T 037075, 037482
Kurika, A V 036894
Kurinnyi, A I 034625
Kurir, A 039376
Kuritsyn, A K 035802
Kurkova, E B 036941
Kuroda, H 033841
Kuroda, Y 034757
Kuroki, M 034349
Kurosaki, H 034977
Kuroshima, A 032381
Kuroyanagi, C 036621
Kurt, J 035332
Kurtev, P 037726
Kurtzig, M E 031825
Kurupas, T 038855
Kurzmann, F 036143
Kurzweg, W 034923
Kusano, T 039020
Kusche, J 033921
Kuschfeld, D 033904
Kusen', S I 034189
Kushnirenko, E F 040871
Kushnirenko, M D 041428
Kushnirenko, S M 040871
Kusnezow, O 040483
Kussmann, S 031169
Kustrak, D 037147
Kusunoki, M 038885
Kutsykovich, M B 040731
Kuttner, M 034579
Kutzner, C 040590
Kutzsche, R 041154
Kuul', A K 035455
Kuusi, T 032920
Kuvaev, V B 035915
Kuvarin, V V 036665
Kuys, J 032467
Kuzechkin, A N 032153
Kuzin, A 037993
Kuzin, A M 034166, 035437, 037249
Kuz'min, V A 039060
Kuz'mina, G G 037417
Kuznetsov, A A 036772
Kuznetsov, D I 037235
Kuznetsov, I 031936
Kuznetsov, L V 038803
Kuznetsov, N I 034230
Kuznetsov, S G 034188
Kuznetsova, L G 037583
Kuznetsova, O B 036664
Kuznetsova, V G 039691
Kuznik, I 041360
Kuzovkina, I N 037280
Kvartskhelia, N T 041095
Kvasnak, M 035382
Kvasnikov, E I 037123
Kveseth, N J 032123
Kvet, J 036830
Kvetkovskaia, A V 034509
Kvitko, K V 036539, 036545, 036976
Kwarta, H 039535
Kyle, W H 034675
Kynclova, I 034233
Kyrou, N 039064
Kyrou, N Ch 038628
La Llosa, P de 033817
La Llosa-Hermier, M P de 033817
La Notte, E 033455
La Sota, Peter E 032606
Laas, K 030993
Labadze, N A 041095
Labanauskas, C K 037730
Labanok, A H 037004
Labecki, Z 035593
Labeeuw, N 031507, 031508, 031509
Labenski, G 041111
Laber, L J 037446
Labhsetwar, A P 034644
Labib, A I 034257, 034258
Labodaev, V D 040546
Laborde, J 038428
LaBore, D E 033636
Labuschagne, J H 033031
Labuza, T P 032040, 032376, 032812
Lacapra, J 036408
Lachance, P A 032238
Lacoeuilhe, J J 037746
Lacombe, R 040529
Lacrampe, J L 032987
Ladeira, A M 035446
Ladejinsky, W 031042
Ladero Alvarez, J L 034878
Ladner, J E 037242
Ladodo, K S 032498
Ladonin, V F 039524
Ladut'ko, V 038055
Ladygin, V G 036540
Ladygina, E YA 037280
Ladygina, M E 038900
Ladyzhenskaia, K I 035973
Laflen, J M 041392, 041607
LaFleur, K S 039573
LaFountain, J R Jr 039638
Lagerkvist, U 037057
Lagerweff, J V 041608
Lagerwerff, J V 041190, 041609
Lagocki, H F R 040705
Lagomarsino, E D 038082
LaGrange, W 032975
Laguinge, G 039096
Lahav, N 040762
Lai, H C 038893
Laidlaw, H H 040190
Laidman, D L 037516
Laing, J A 034657
Laing, J E 039220
Lakhanov, A P 037419
Lakhtin, V M 034167
Lakshmikantham, M V 037064
Lakshminarayana, S 038510
Lakshminarayana, T 033285
Lakshminarayana, V 032080
Laktionov, B I 039087
Lal, H 032335
Lal, M 034382
Lal, S M 035082
Lal, S P 036025
Lal, T 038435
Lalitha, E 040984
Lalitha, K 032336
LaLonde, R T 037063
Laloux, R 041079
Lalov, N 034533
Lam Shang Leen, Y K 034684
Laman, N A 037385
Lambert, B 039874
Lambert, M J 031283, 031602, 031826
Lambert, R J 036419, 038023
Lambert, T F 034009
Lambert, W C 035190
Lambeth, V A 034737, 034738, 034913
Lammers, H W 040888
LaMonda, G W 033872
Lamontagne, R A 041680
Lamparelli, F 033455
Lampe, K J 031506
Lampeitl, F 040183
Lamusse, J P 033246
Lan, F S 041429
Lancaster, J L Jr 039447
Lance, J C 040671
Lanckow, J 038306
Lanctot, R 034379
Land, L S 037077
Landa, L Sh 040388
Landes, D R 032415, 032452
Landfald, R 037713
Landmesser, W 035772
Landon, G K 032813
Landon, George K 032669
Lane, N J 039780
Lane, R H 039561
Lanfranchi, J 031069
Lang, A 032997, 032998
Lang, F 032997, 032998, 037441
Lang, L 035140
Langdon, A G 033011
Langdon, J 034098
Langdon, K R 038964
Langdon, R F N 038577
Langdon, W M 041563
Lange, A H 039104
Lange, H 040912
Lange, H J 031323
Lange, H M 033376
Lange, H W 039942
Langenauer, H D 037383
Langenscheidt, M 039955
Langer, H 039790, 039794
Langer, R H M 037485
Langford, E V 035037
Langhans, R W 037728
Langheinrich, K 031284
Langin, E J 040677
Langjahr, U G 037125
Langley, P A 039688
Langmach, I 031401
Langman, A H 031562
Langran, K J 041559
Langridge, D F 037879
Langslow, D R 034202, 034213
Langu, G 040518
Langvatn, H 031458
Lanir, A 037698
Lanir, I 041344
Lannek, N 035295
Lansky, M 038981
Lant, N C Y 033987
Lanzrein, B 039908
Laor, M 033626, 034361
Lapins, K O 036412
Lapinskene, IA I 036658
Lapis, K 033702
Lapka, W J 039106
Laplace, J P 033750, 033752
Laptev, IU P 036659
Lapteva, T M 034808
Lapusan, A 038145
Larchenko, E A 036464
Larcher, W 036198
Lardy, H A 033763
Larenaudie, B 035024
Large, P M 032958
Largen, M T 037204
Larger, D 041644
Larik, A S 036496
Larionova, N A 035915
Lariukhina, T M 033901
Larjuchin, G 035789
Larkins, B A 037521
Larruga, F 037163
Larsen, F E 035681
Larsen, J B 034715, 040493
Larsen, J L 035171, 035174
Larsen, R P 038534
Larson, D W 036856, 036859
Larson, N L 032242
Larsson, K 034766
Lash, J W 033843, 034059
Lashchinskii, N N 036183
Lashine, A K F 040588
Lasky, R 032273
Lasley, J F 034447, 034674, 034739
Lassiter, J W 035431
Last, H 040016, 040027
Lastovka, P 040028
Lastuvka, Z 037366
Laszlo, K 037616
Laszlo, Mrs L 031550
Latham, M J 033754
Latocha, E 035619
Lattar, P S 038632
Latysheva, N N 036769
Latyshko, N V 036910
Latzko, E 037446
Latzsch, D 040412
Lau, O L 037527
Laube, H 032247
Lauch, R P 041509
Lauchli, A 037261
Lauer, F I 036387
Laurence, B R 039486
Lauritis, J A 037079
Lauritzen, E M 037494
Laursen, N C 040494
Laux, H E 036045
Lavake, D E 039103
Lavania, J P 035418
Laven, N 036059
Lavenet, C 034241
Lavery, H J 041288
Laville, E 038622
Lavrenko, E M 035914
Lavrov, N I 035800
Lavrova, I P 037217
Law, C N 036503
Lawford, W H 035851
Lawrence, C W 036507
Lawrence, J M 037097
Laws, L 035395
Lawson, R A S 034688
Lawson, R comp 033171
Lawson, R H 038925
Lax, E R 034055
Laxamana, M G 032818
Laxminarayan, H 031833
Laxminarayana, H 035074
Lay, D M 033870
Layne, R E C 039130
Layrisse, M 032291
Layton, L L 033549
Lazarev, M A 039716
Lazaro, J J 037808
Lazarov, V 035404, 035405
Lazenby, J F 041375
Lazovskii, A A 034817
Lazur'evskii, G V 036913
Lazzarino, C 031068
Le Buanec, B 037961, 037962, 037963
Le Du, J 033508
Le Lezec, M 038263
Le Neandre, P 034295
Le Neindre, P 033749
Le Quesne, W J 040014
Le Sage, D E 032830
Le Souef, J C 039986
Le Tkhee Zon, 036371
Lea, A O 039858
Lea, P J 037548
Leadenham, D J 031004
Leahy, M G 039479
Leal, A 038243
Leamy, M L 031207
Lean, D 041285
Leary, J V 038767
Leask, R 035850
Leatherwood, J M 034660
Leaver, J L 037315
Leavitt, R A 039527
Lebas, F 033657, 033752
Lebchenko, I A 040279
Lebeda, F J 034068
Lebedev, A I 035207, 035244
Lebedev, IU V 034624
Lebedev, N N 037685
Lebedeva, A F 037684, 038802
Lebedeva, I I 040732
Lebedeva, I N 040822
Lebedeva, N I 037568
Lebost, J 034294
Lechat, P 035392
Lechleiter, J C 037938
Lechner, M 032224
Lechtig, A 032257, 032273, 032314
Leclerc, H 041647
Lecoustre, R 039333
Ledec, M 035453
Lederer, B E 033121
Ledig, M 034100
Ledoux, L 037362
Lee, A 036789
Lee, C 035837
Lee, C W 039507
Lee, C Y 033322
Lee, G D 033761
Lee, J C 034148
Lee, J K 041604
Lee, K A 036339
Lee, K K 041581
Lee, P 034062
Lee, T C 036100, 036775
Lee, T H 036775
Lee, U C 038573
Lee, V W K 034690, 034691
Lee, W L 036783
Lee, W M 039937
Leek, N A 035840
Leeper, J R 040085
Lees, R 032777
Lefaivre, R 034288
Leffler, C 034155
LeFrou, C 041636
Leger, C 032368
Leger, N 039983
Legner, E F 039323
Legowiak, Z 039155
Legret, J 031718
Lehmann, M 034496, 037302
Lehnhardt, W 034429
Lehrner, L M 033866
Leibovich, B A 039926
Leibundgut, H 035659
Leighton, R L 034892
Leimbach, D 041154
Leisson, 038165
Leistner, E 036800
Leistner, L 033061, 033062, 033063, 035062

Lelley, 038283
Lembke, A 033615
Lembke, W D 041159
Lemen, R 034007
Lemke, E 033675, 035372
Lemke, P 033669
Lemle, N A 033261
Lemme, F 033608
Lemoch, I 033301, 037324
Lender, S 034927
Lendvai, I 031986
Lenelle-Montfort, N 039738
Leng, E 034242
Leng, R A 033830
Lengauer, E 034507, 034849
Lengerken, G von 034576
Lengyel, J 039872, 039873
Lenk, L 031054
Lenkeit, W 034531
Lenkov, D N 034216
Lenoir, J 032983
Lenz, M 039869
Leo, C di 037184
Leoci, B 033447
Leon C, J J 036835
Leon, R de 033449
Leonard, O A 038003
Leonard, R A 040760
Leonard, R T 037522
Leonard, T J 036622
Leone, A M 033455
Leone, N C 035347
Leonova, L A 036943
Leonova, N S 036685
Leonovich, A A 035812
Leont'eva, V G 035730
Leopold, A C 037736
Leopold, A S 034803
Leopold, R A 039621
Leopoldt, D 035151, 035153
Lepitre, C 035528
Leppchen, R 040332
Lerche, K 033375
Lerer, H 040249
Lerner, I G 032895
Lerner, R A 037056
Lerond, M 035931
Les, V 041085
Lescar, L 039156
Leschik, J 038012
Leshchenko, V I 041123
Leshem, Y 038020
Lesiv, IA M 034520
Leska, L 039155
Leski, O 035503
Leski, R 039585
Leskova, A IA 039243
Lesniak, W 032729
Lesnikov, M F 037342
Lesovoi, M P 038828
Lespinasse, J M 038263
Lester, G S 036052
Letang, G 032735
Letonja, T 039647, 039648, 039992
Letourneau, L R 035832
Lette, E 037938
Leu, S L K 037512
Leunen, J 034987
Leuner, S 039118
Leunert, G 034108
Leusden, F M van 032089
Leushin, S 033558
Leuthold, R M 031516
Leutskii, K M 032500
Lev, B 033627, 034362, 034635
Levander, O A 032342
Levandovs'kyi, I L 038181
Leveille, G A 033869
Levengood, W C 037780
Levenson, S M 032277
Levin, D A 036489
Levin, E D 036902
Levin, I 038020
Levin, R 035134
Levin, W 034107
Levina, L IA 039692
Levina, V V 036917, 037281
Levine, B A 033898
Levinson, F J 032296
Levis, R 031783, 031784
Levit-Gurevich, L K 041266
Levitin, M M 036676
Levy, D 034275
Levy, F L 032736, 033051
Levy, H 039841
Levy, M 036489
Levy, R I 032167
Levy, U 034634
Lewinska, M K 033716
Lewis, C E 038254
Lewis, C R 036435
Lewis, D B 039832
Lewis, D M 041216
Lewis, E T 031193
Lewis, G C 040761
Lewis, J C 035142
Lewis, Jane S 032353
Lewis, L N 038366
Lewis, R W 040584
Leyland, B 033436
Leyssac, P P 033931
Leytham, K M 041395
Lezhava, V V 041094
Lhotsky, S 037370
Li, H L 035917
Li, P H 037731
Li, R M 041398
Liagasov, A I 031937
Liapkov, B G 032485
Liappis, N 034239
Liashchenko, P S 033902
Liashenko, N I 036934
Liashenko, P E 041462
Liberti, A 032789
Libion-Mannaert, M 039738
Libot, F 036853
Lickfers, W 031433
Liddell, P J 033017
Liddle, M J 036178, 036216, 040667
Lider, L A 038245
Lieberman, H M 032352
Lieberman, R A 034154
Liebermann, H 035151, 035153
Liebl, A 036957
Liegel, L H 031213
Liekens, F 039187
Liener, I E 033520
Liere, L van 036963
Liers, H W 031773
Liese, W 035775
Lietzke, D A 040772
Lieu, P J Y 035894
Lifka, A 031146
Lifson, S 032835
Liga, A 036863
Liggins, G C 034057, 034790
Light, A 034038
Light, J J 036033
Liguori, F 040487
Likhotina, N A 035210
Lillehoj, E B 032114, 035419
Lillington, G A 033128
Lim, T K 037306
Limoges, E 031212
Lin, C N 037028, 037029
Lin, C Y 037363
Lin, J Y 037870
Lin, K M 041431
Lin, L Z 037119
Lin, M C 037030
Lin, S T 037029
Lin, T P 036353
Lin, T T 037030
Lincan, C 035193
Lincer, J L 039568
Lincoln, G A 034678
Lincoln, W C Jr 037794
Lindberg, P 035295
Lindegaard, J 039348
Lindemann, E 034324
Lindenfelser, L A 035419
Lindenmaier, M 041675
Linder, A 039346
Lindhard, J 041107
Lindholm, O G 041635
Lindley, B D 039799
Lindner, H 040916
Lindseth, R 035843
Linnane, A W 036586, 037124
Linnavuori, R 040133
Lins, G 032483
Linser, H 031133
Lint, M M de 031551
Lintott, W H 039237
Linzell, J L 034079
Liphardt, IU P 040542
Lipinska, A 033818
Lipinsky, E E 031206
Lipkin, V M 033783
Lipkind, B I 036973
Lipkowitz, K B 039391, 039392
Lipnitskaya, G P 040832
Lipnitskii, R A 040546
Lippert, M 041450
Lippmann, E 033578
Lippstreu, S 031491
Lipshits, S IU 035972
Lipskaia, G A 037416
Lipskaya, A A 037743, 037865
Lipton, D E 034895
Lipton, I 034018
Lisk, D J 032067
Lissia, F 035788
Lister, J 032438
Listov, P N 038178
Listowski, A 037084
Litman, B J 033813
Litovchenko, IU I 035818
Little, C E 031195
Little, E C S 039131
Litvak, Sh I 041134
Litvin, F F 037685
Litvinenko, V I 036883
Litvinov, A I 037584
Litwack, G 033779, 034582
Litwin, W 031322
Litwin, Y J 041327
Liu, C L 039136
Liu, S K 035349
Liu, T P 040297
Liubarevich, T A 033457
Liubinets', Z A 034523
Liul'kina, E I 036703
Liuzzo, J A 032018
Livak, I I 034237
Liversovskii, YU A 040607
Livingstone, R M 034274, 034401
Liwerant, I J 037126
Lizana A, N 036639
Lizarralde, L 031728
Lizogub, IU P 034229
Llimona, X 035938
Llinas, J R 036860
Lloyd, A B 040797
Lloyd, D G 036272
Lloyd, E J 036428
Lloyd, E J H 041247
Lloyd, J A 035835
Lloyd, K O 036783
Lloyd, R D 033912, 035411
Lloyd, R M 036263
Lobana, K S 038124, 038554
Lobanok, A G 037115
Lobanov, A M 039967
Lobanova, Z I 036932
Lobko, V 038060
Loboda, V M 037344
Lobuntsova, D V 035253
Loch, J P G 040777, 040783
Lochhead, R 035961
Loder, T C 041470
Lodhi, M A K 037888
Lodish, H F 036550
Lodwick, L N 035943
Loeb, W F 034888
Loeblich, A R III 036861
Loeffler, K 031518
Loew, F M 035398
Loewe, R J 032310
Loewenstein, M 032962
Loffler, J 031329
Logan, C 038569
Loggins, P E 034594
Loginova, L G 037215
Logoida, S S 039395
Logsdon, G 040343
Logvinenko, V F 036465
Logvinov, I V 035484
Logvinova, M M 040563
Lohle, K 034579
Lohnert, H J 034314, 034497
Lohnke, W 041165
Lohoury, G G 031068
Lohrke, B 034837
Lohvinov, M I 033302
Lohvynov, D D 035219
Loir, M 034693
Lokhmatov, N A 035492
Lokke, H 039138
Lomagin, A G 037323
Lomas, B 032870
Lombard, S H 033026, 033027
Lomibao, A 035760
London, J E 033909
Londt, J G H 039470, 039893
Lonergan, Mary E 032182
Long, A 036247
Long, C W 035108
Long, J R 035033
Long, P L 035181
Longden, P C 037496
Longhi, L 032392
Longo, N 036298
Lonngren, J 036804
Lono, K 035928, 038420
Loo, L van 040498
Loomis, W F 037056
Loose, R de 037788
Looze, A J de 038499
Lopatin, I K 040065
Lopez, C 035111
Lopez Campos, G 037957
Lopez, F R 035750, 035751
Lopez Gorge, J 037808
Lopez Michelsen, A 031233
Lopez, N C 041432
Lopez, R 032267
Lopez-S, A 032294
Lopez-Zavala, A 041648
Lorain, G 036242
Lord, P F 035336
Lordon, Lorraine 032618
Lorenc, R S 033770
Lorenz, A 036720
Lorenz, D 038996
Lorenz, F 040540
Lorenz, K 032508, 033216
Lorenz, O A 038533
Lorenz, W 033921
Lorkiewicz, Z 037083, 040554
Lorstad, M H 032230
Losev, M N 035282
Lositskii, K B 039031
Loth, F 035728
Lotz, H 032744
Louca, A 034562
Louda, S M 039098
Loue, A 040644
Lough, A K 034345, 034346
Lougheed, E C 038974
Louis, G L 033168
Louis, R 031801
Loula, V 040308
Lourd, M 038621
Louw, W K A 037301
Love, A 036014
Love, D 036014
Lovejoy, D A 039453
Lovelius, N V 037899
Lovelius, O L 035978
Lovisolo, O 035102
Lovvorn, R L 031129, 031140
Low, D J 034352
Low, E M 031647
Low, J D 038617
Lowe, G H 032090
Lowe, S K 038869
Lowenstein, F W 032308
Lowrey, R S 034417
Lowther, W L 037484
Loyacano, A F 034724, 034726, 035144
Loynet, G 041229
Lozhnikova, V N 036937
Lozzia de Canelada, M E 036633
Lu, A Y H 034107
Lu, B C 038590
Lucas, D M 034466
Lucas, E A 033734
Lucas, Edward 032585
Lucisano, A 035049
Luck, H 031729, 033028, 034174
Luczkiewicz, T 036497
Ludewig, H G 032248
Ludin, A 031890
Ludlow, C J 036758
Ludri, R S 034391, 035417
Ludwick, A E 040677
Ludwig, E 035427
Ludwig, G 035427
Lugardon, B 036343
Lugaresi, C 039553
Luger, F 031823
Luger, P 036865
Lugetti, G 034980
Lugosi, J 040469
Luhrs, F 039601
Luis, J G 037163
Lukacs, G 037065
Lukacs, L 038001, 038600
Lukashev, A 041007
Lukasova, J 032138
Lukins, H B 036586
Luk'yanova, L M 037273
Lumb, A H 036763
Lumkes, L M 038068
Lumsden, J H 034353
Lun, A 034353
Lunas, T 040214
Lund, L J 040673
Lunde, A 034687
Lundin, R E 032854
Lund-Larsen, K 033951
Lund-Larsen, T R 033697, 034120
Lundqvist, G R 041490
Lundsgaard, T 038944
Lundstedt, E 032954
Lundstrom, K 034827
Lungu, I 041196
Lunsford, T A 032962
Lunt, G G 039773
Lupandina, I B 037228
Lupulescu, A 035433
Luquet, F M 032986
Lurquin, P F 037362
Luscher, M 039908, 040288
Luscombe, J R 034274
Lusena, C V 037102
Lussier, G 034965
Lustinec, J 037369
Luthra, M G 033806
Luthra, Y P 037459
Lutova, L A 036521
Lutsiuk, N B 032502
Lutskii, V I 035730
Lutsuk, S N 035238
Luttge, U 037612
Luttig, J 034747, 034748
Luttjehuizen, P 031917
Lutz, J 038320
Luukkanen, O 035618
Lux, P 038978
Luyindula, N 037362
L'vov, D K 035281
L'vov, P N 035487
L'vovskiy, A L 040067
Lwoga, A B 038048
Lyashchenko, I I 036689
Lyduch, L 041684
Lye, K A 037494
Lykkeboe, G 034173
Lyman, William 032585
Lynch, K W 037950
Lynch, P B 040698
Lynch, S M 039414
Lyng, O I 041200
Lyng, R 031645
Lyng, Richard 032539
Lynn, K R 037826
Lynn, R F 035740
Lynne-Davies, P 034011
Lysenko, O 039683
Lysikov, V N 036940
Lysogorov, S D 041265
Lyszcz, S 037497, 037507
Lytvyn, V P 034235
Ma, G 037056
Macauley, B J 036248
MacBride, S E 033887
Macchioni, G 034983, 039442
Maccioni, A H R 034113
MacDiarmid, B N 039040
MacDonald, D W 034351
MacDonald, J M 035335
Mace, T F 035040
Maceachern, G A 041591, 041592
Macer, R C F 039069
MacEwen, M 038287
MacGillivray, G R 035642
Macgregor, A N 041558
Machado Filho, F 031582
MacHale, A M 040083
Machleidt, W 036957
Machlin, L J 032179, 032316
Machul, M 037503
Machycek, V 034513
MacIntyre, T M 034557
MacIver, D R 039509
Mack, C 038946
Mack, J J 035865
Mackauer, M 039202, 039660
Mackay, L B 036291
Mackechnie-Jarvis, C 039704
MacKenzie, D R 038762
Mackenzie, F T 041511
MacKenzie, G A 035611
MacKenzie, R 033804
MacKinnon, P C B 034678
MacKinnon, R D 031032
Mackintosh, A H 037247
MacLachlan, J B 036490
MacLean, D C 039018
Maclean, S F Jr 036190
MacLean, William C Jr. 032351
MacMillan, J 036960
Macmillan, K L 034559, 034761
Macnicol, P K 037349, 037526
Macqueen, A 039819
Madacsi, J P 033166
Madas, A 035553
Madden, C D 032731
Madden, J P 032360
Maddens, K 039186
Maddrell, S H P 039776, 039847
Maddy, A H 033871
Madel, F 037608
Maden, S 038788
Madhava Rao, P 035088
Madhavan, P 032793
Madhusudhana Rao, A 037300
Madkour, F H 034260
Madkour, Y H 031419, 034259, 034261, 034262, 034263, 034551
Madsen, H K 034356
Madsen, O 034561
Madsen, R F 032991
Madson, T H 033795
Maeda, M 035769
Maeda, Y 032866
Maehler-von-Dewall, A 039818
Maejima, I 038882
Maekawa, E 032710, 032712
Maerschalk, J de 035676
Maestrini, N 035042
Maevskaya, A N 037578
Maffei, L 034176
Maffia, L M 032306
Maga, J A 032780, 033359
Magallona, E D 039589
Maganova, N B 032503
Magat, S S 041023
Magdanz, D F 031636
Mage, F 038986
Magen, Z 031623
Maggi, E 032173
Magin, D F 039828
Magister, G 035728
Magnani, G 038594
Magne, C 037965
Magoffin, C D 033210
Magomedaliev, Z G 040738
Magomedmirzaev, M M 036686
Magomedov, I M 037395
Magoon, M L 036498
Maguire, M P 036504
Magurov, P F 036683
Mahadevan, P R 036318, 036993
Mahaffey, E 033988
Mahanta, P K 036984
Mahapatra, I C 038017, 040945
Maher, J 040226
Mahi, C A 034701
Mahjoory, R A 040759
Mahler, R J 039019
Mahmood, K 038913, 038914
Mahmood, M 038691
Mahmoud, T H 031419, 034259, 034260, 034261, 034262, 034263, 034551
Mahon, R J 040128
Mahoney, C L 035563
Mahowald, A P 039735
Maier, V P 033411
Maier-Bode, H 039194
Mainwaring, W I P 034203
Maiolino, R 035049
Maisterrena, B 033805
Maistre, M 039983
Maita, T 034031, 034033
Maiti, S 040920
Maitra, S K 040668
Maiwald, K G 032389
Majer, Mrs K T 039091
Majeski, J A 039941
Majlert, W 031983
Majo, A 032778
Majori, G 039468
Majumdar, S K 038641, 040979
Majumder, S K 039532
Makarenko, P P 031375
Makarevich, I F 036872
Makarov, A S 033456
Makarov, B N 040820
Makarov, P P 036659
Makarov, V 040576
Makarov, V V 035242
Makarova, I V 035974
Makarow, W 035097
Makashvili, Z A 040271
Makaveev, TS 034606, 034607
Makedonov, G P 036369
Makeev, V A 038204
Makeeva-Gur'ianova, L T 039523
Makhalova, M R 036648
Makhija, S J 039550
Makhnovskaia, M L 037427
Maki, T 039047
Makino, T 038870
Makkonen, O 035617
Makowiec, M 035488
Maksimov, V I 037225
Maksimova, G N 037222
Maksudov, N Kh 032770
Maksumov, A N 038177
Maksymov, J K 039378
Malacinski, G M 033866
Malagon Castro, D 040695
Malaniia, D G 038812
Malassis, L 031144
Malcolm, D C 035472, 037917
Malepszy, S 036403
Maletskii, S I 036679, 037570
Maliani, C 031764
Malicky, H 039623, 040116
Malik, G S 035418
Malikov, V M 036886
Malkova, D 034957
Mallaiah, K V 038602
Mallari Rao, T V 031659
Mallegni, A 039006
Mallick, B B 035085
Malling, H V 036600
Mallis, A 039652
Malm, D 040886
Malmstrom, B G 036929
Malogolowkin-Cohen, C 039734
Malone, J B 035058
Maloney, J E 034009
Maloshevskii, S G 034216
Malpricht, P 031341

Maltier, J P 034667
Maltini, E 033354
Maltry, W 040324
Malykhin, I I 038202
Malyshev, L I 035985
Malysheva, M R 033567
Malyshevskaia, K A 035819
Mamaev, B 040165
Mamaeva, Z G 038475
Mamalyga, V S 037321
Mamarasulov, S M 041253
Mamarova, L 041033
Mamatov, G Z 036885
Mammi De Leo, M 033365
Mamontov, V T 040814
Mamontova, V N 036654
Mamulina, N S 037211
Manas, A E 033080
Mancha, M 036782
Manchak, J M 033802
Manchand, P S 036868
Manchanda, M L 040560
Manchester, A C 031702
Manchester, Alden C 032703
Manda, M 034091
Mandal, B K 038024
Mandal, L 034384
Mandal, M 036081
Mandal, S K 038029
Mandel, P 034100
Mandelli, G 035047
Manderscheid, L V 031876
Mandy, Gy 037946, 037947
Manegold, D 031475, 031519
Maner, J 034376
Manfredi, E M 031739
Manfredini, L 035041
Mangahas, A G 035754
Mango, C 039479
Mangold, H K 033222
Manhard, Orm 032553
Manhas, M S 037193
Mani, M S 040115
Mani, V S 039127
Manion, P D 038589, 038591
Manjarrez, L 041648
Manjrekar, S P 033393
Manka, K 039008
Mann, H O 036442
Mann, H S 037970
Mann, M S 040866
Mann, W S 031395
Mannami, S 035016
Mannella, C A 037650, 037658
Manners, D J 037595
Manners, G D 037286
Mannigel, O 035767
Mannikar, N D 040922
Manning, A P 032184
Manning, R E 031230
Manning, T 030998
Mannino, P 036482, 037404
Manns, J G 033845
Manoff, Richard K 032603
Manohar, M 033976
Manoharachary, C 036029, 036031
Manolescu, N 035192, 035195
Manolov, P 037687
Manor, P J 041325
Manske, R H F 036752
Mansour, M A 037690
Mantegazza, P 032384
Manthey, W 040446
Manuelyan, H 036628
Manuil'skaia, S V 037704
Manychev, V F 040360
Manzano, J 039094
Manziuk, V T 036706
Maquere, M 040453
Maramorosch, K 038923
Marangoni, B 038463
Marasas, W F O 035127
Marcelle, G B 037933
March, Y 032325
Marchand, J L 036385
Marchant, W H 038049
Marchenko, I S 035483
Marchenko, P F 035806
Marchese, J R 037245
Marchessault, R H 037295
Marchiori, F 032724, 032725
Marchis-Mouren, G 033822
Marchukaitis, A S 037857
Marconcini, A 039442
Marcus, K A 033358, 037732
Marcussen, O F 038944
Mardanov, A A 037860
Marecek, S 033115
Marek, M 039684
Marero, R 033080
Maretic, Z 032134
Maretta, M 034851
Marfina, K G 037426, 037566
Margavio, M F 031957
Margus, M 035628
Marian, M 033574
Mariani, A 036414
Maricheva, E A 037587
Marien, W 036709, 038517, 041113
Marignetti, N 033241
Marigo, G 037825
Marin, F T 036907
Marinez G, A 040692
Marino, J P 037060
Marinochkina, A S 041400
Marinopolski, G 036919
Marinov, B 034395
Marinova, R 037829, 041033
Marion, G B 031714
Mariotti, J A 036632, 036634, 036635, 036636
Mark, A L 034010
Mark, K von der 033920
Mark, T 041563
Markelova, V F 032485
Markham, K R 036067
Markman, A L 033211, 033213
Markofsky, M 041560
Markosian, A A 040277
Markov, A I 038194
Markov, L I 035583
Markovic, V V 033420
Markovich, D S 037703
Markovskaya, E F 037273
Marks, J J 031932
Marks, R M 035000
Markstrom, D C 035890
Marley, E 033832
Marlowe, T J 033104, 034741, 034794, 034796, 034797
Marmocchi, F 034137
Marmur, J 036780, 037106
Marosi, Z 033573
Marothia, D K 031449
Maroti, M 037336
Marquard, R 033304, 033305
Marquardt, B 031381
Marques, E J 036402
Marquez, C 037158
Marquis, B 034288
Marroni, P 033742
Marsalek, J 041562
Marschall, G 034429
Marschall, J 035520
Marschke, H 033390
Marsh, A W 041406
Marsh, P B 034407
Marshall, D R 039752
Marshall, J H 033914
Marshall, K R 033014
Marshall, M 035963
Marshavina, Z V 037664
Marston, R 032394
Marston, Ruth 032395
Marten, G C 034355, 034411
Martens, D C 041063, 041652, 041653
Martenson, D R 041567
Martensz, N D 034641
Marth, E H 032102, 032976, 035390
Martienssen, E 033070
Martin, B 034694
Martin, C J 033940
Martin, F G 040894
Martin, F W 033416, 033417
Martin, G 038091
Martin, G C 036960
Martin, J D 037290, 037296
Martin, J K 040795, 040805
Martin, J P 040624, 040633
Martin, Josephine 032228, 032564, 032565
Martin, L C 034405
Martin, P S 036247
Martin, R A 031982
Martin, S C 038173
Martin, S L 035319
Martin, S R 032092
Martin, T W 034710
Martin Vargas, V 033498
Martin, W C Jr 037732
Martin, W L 039566
Martin, W T 032111
Martinek, M 033688
Martinelli, E M 037807
Martinenghi, G B 032888, 032909
Martinet, L 034689
Martinez, H 037835
Martinez, J R 033929
Martinez R, G J 039043
Martinez-Palomo, A 034086
Martiniere, P 033316
Martin-Leake, H 031803
Martin-Prevel, P 036978
Martiny, R 031176
Martirano, G 031012
Martner, J 032299
Martojo, H 034593
Marton, A 037492
Martorell, R 032257, 032273
Martynenko, N A 034806
Martynova, E F 039966, 040049
Marucchini, C 039526
Marull, L 035027
Maruyama, F 032287
Marvanova, L 036152
Marwaha, D R 034649
Marx, R E 031825
Marza, E 040290
Marzluf, G A 036788
Marzoli, A L 034281
Marzulli, F N 031993
Masada, Y 041355
Mascarenhas, A F 037455, 037456, 037457, 037458
Mascitelli-Coriandoli, E 035394
Maser, J D 033731
Mashev, N 037552, 041031
Mashinskii, A L 039761
Mashtaler, S G 036704
Masi, O 041481
Maslansky, E 032281
Maslen, E N 037025
Maslobrod, S A 036940
Maslov, A I 037360
Maslov, B S 041257, 041264
Maslov, I V 041273
Maslova, G A 036896
Maslova, T G 037708
Masner, P 039215
Masoero, P 034655
Mason, B S 032862
Mason, G 036763
Mason, J I 034198
Mason, J R 036594
Mason, R 036068
Masood, A 039001
Masri, G 032278
Massey, L M Jr 032063
Masson, M 039750
Mastalerz, Margaret 032677
Mastenbroek, J J 036445
Masuda, M 033788
Masuda, Y 037378
Masui, Y 039013
Masuoka, M 035638
Mata, L J 032262, 032314
Materikina, M I 034490
Matern, U 037873
Mateu, L 033891
Matev, I 041031
Math, B R 041597
Mathe, I 036724
Mathe, I Jr 036724
Mathen, C 032051, 033512
Matheson, A C 036392
Mathew, A 033512
Mathews, J D 035464
Mathiesen, J M 041481
Mathieson, A C 036136
Mathieu, M 040970
Mathieu, Y 034018
Mathis, M 040224
Mathisen, J 033100
Mathur, A C 039493
Mathur, B K 040983
Mathur, B N 039004
Mathur, B S 038036
Mathur, C R 033632
Mathur, M P 032968
Mathur, R K 036984
Mathur, R L 034100, 039004
Mathur, S B 038788, 038789, 038794
Mathur, S K 038789
Matic, M 033186
Matienko, E B 037874
Matiishin, N V 035821
Matin, A S M A 039432
Matiukov, V S 034810
Matlin, S A 037032
Matocha, J E 041147
Matolin, S 039198
Matorin, D N 037442, 037573
Matouch, O 035225
Matousek, J 033906
Matsko, T H 039391
Matsuda, G 034031, 034033
Matsuda, H 033249, 033250
Matsueda, S 037071
Matsui, M 037165
Matsumoto, J 032767
Matsumoto, K 033427
Matsumoto, M 032091
Matsumoto, S 040714
Matsumoto, T 033992
Matsuo, K 038755
Matsuoka, S 038891
Matsushima, T 036786
Matsuyama, N 038573
Matsuzaki, A 037541
Matsuzaki, S 038613
Mattern, P J 032303
Mattheis, J R 037638
Matthes, H D 033672
Matthes, R K 033205
Matthews, E K 033949
Matthews, H R 037313
Matthews, J 033201
Matthews, Ruth H 032199
Matthews, S 037558, 037846
Matthysse, J G 039510
Mattick, J S 037124
Mattox, K R 036276
Mattson, D 035031
Mattson, G A 041114
Matuszewski, B 039739
Matveev, I A 040504
Matveyeva, N V 036196, 036203
Matvienki, I N 032148
Matyas, Z 032139
Matzke, O 031821
Mauch, W 033307
Mauder, P 035380
Mauer, S 041521
Maugh, T H II 034486
Maughan, G L 038953
Maul, Mrs P O 038226
Maurer, K J 038408, 038413
Maurizio, A 032825, 040234
Mauron, P 031797
Maxwell, D P 038585
May, F J 040933
May, G A 040787
Mayee, C D 038680, 038702, 038910
Mayer, H 035516
Mayer, V 034960
Mayes, K R 039682
Mayhew, I G 035051
Maylin, G A 032067
Maynard, C 035679
Maynard, C A 035680
Mayne, R 034144
Mayor, F 037808
Mayorga, I 033208
Mays, C W 033912, 035411
Maza, C C 033080
Mazanov, A 033831
Mazantseva, G P 039973
Mazel', IU IA 037432
Mazelis, M 037202
Mazier, D 035528
Mazliak, P 037659
Mazokhin-Porshniakov, G A 039972
Mazokin, V I 041267
Mazumdar, V 031313
Mazur, P L 035254
Mazur, S 039408, 039993
Mazurkin, P M 035822
Mazurova, J 034859
McAdie, H G 041482
McAllister, W 033565
McAlpine, D K 039627
Mcardle, A A 033624
McArthur, I G 035482
McBeath, N 031441
McBride, J 036059
McBride, J R 035466
McCabe, L J 032031
McCalla, T M 041043
McCalley, B 037015
McCalley, N F 039265
McCallum, J 039420
McCampbell, H C 034417
McCance, R A 032549
McCandless, E L 036855, 037152
McCarnan, H R 034918
McCarron, A C 031228
McCarthy, J J 036721, 037096
McCarthy, M J 033413
McCarty, C D 038279, 038366
McCaskill, O L 033173
McClain, D S 039510
McClaugherty, F S 034464, 034479, 034795
McClellan, R O 035413
McClelland, A J 035349
McClimans, T A 041323
McClure, J P 036252
McClure, W H 033662, 033663, 033664, 034477, 034795
McComb, A J 037036
McComber, D 032196
McCool, D K 041184
McCord, S B 036211
McCormick, M E 034440
McCormick, R D 032235, 033223
McCormick, R F Jr 037991
McCormick, Richard D 032624
McCormick, W C 033552, 038049
McCoy, E W 031465
McCracken, K J 034254
McCullough, J F 040992
McCullough, M E 031483
McCutcheon, O D 039266
McDaniel, G R 033916
McDaniel, N R 033358, 034366
McDermott, D J 041473
McDiarmid, A 034966
McDole, R E 040761
McDonald, B 033436
McDonald, K E 033911
McDonald, K M 035629
MCDonald, P G 034668, 034670
McDougall, I A 034255
McDowell, L L 041386, 041625
McDowell, L R 033523, 033525
McEnroe, P 040890
McFarland, S S 033912, 035411
McGahren, W J 037066
McGanity, W J 032290
McGeary, Bernice 031990
McGechan, J K 038889
McGinnes, E A Jr 035703, 035894
McGonigle, E J 041537
McGovern, P T 034657
McGuigan, M L 037794
McGuire, J M 041629
McHard, J A 033410
McHenry, J R 041394
McInotsh, G H 034161
McIntosh, B M 040097
McIntosh, J A 035712
McIntyre, A D 041512
McIntyre, J L 038773
McKeague, J A 031156
McKean, H B 035715
McKelvey, J J Jr 039783
McKenna, J M 040356
McKenna, P B 035158, 039491
McKenzie, G R 035469
McKeown, J J 041669
McKercher, P D 035029
McKinley, P 033897
McKinney, G T 039823
McKinnon, B R 034481
McKnight, G S 033778
McKnight, W F 034436
McLaren, A D 040574, 040637, 040801
McLaughlan, J M 032350, 032404
McLaughlin, J L 037062
McLaughlin, J M 032292
McLean, A 034352
McLean, E O 040773
McLean, J M 031788
Mclean, R O 036951
McLendon, B D 034417
McLeod, H S 034453
McLoughlin, J V 034210
McMeans, J L 039272
McMillian, W W 036452
McMurray, G 037145
McMurray, M M 034673
McMurtry, J A 039343
McNeal, F H 036455
McNeill, K G 032386
McNeilly, B A 040793
McNeilly, T 036207
McNut, Kristen W 032425
McPhail, A T 037024
McPhee, J R 039382
McPherson, J 031157
McQueen, C B 036097
McQuigg, J D 031097
McRae, J E 041657
McRae, T O 034733
McSheehy, T W 034791
McSwain, B D 036813, 036815
McWha, J A 037476
Meacham, C A 036054
Meacham, T N 033664, 034798, 034799
Meadows, J C 035555
Meakin, E 032447
Means, A R 034642
Mecci, A K 039253
Meckel, H 041310
Mecklenburg, R A 038298
Medaru, G 031910
Medeiros, S 031265
Medina del Cerro, L 031536
Mednikova, A P 037228
Medovar, B IA 032489
Medrano, R N 035759
Medvedev, G S 040063
Medvedev, L A 035595
Medvedev, L N 040173
Medvedev, S I 040068
Medvedev, V 038065
Medvedev, V A 040832
Medvedeva, N D 040058
Medvedeva, S A 037905
Meeldijk, B P 038069
Meeus, M 039072
Meffert, H F T 032763, 033350
Megahan, W f 035500
Meggle, T 031700
Megyeri, V 035002
Mehan, V K 038722
Mehandjiev, A 036480
Mehlhorn, G 034926
Mehlhorn, H 035286, 035287, 035292, 039517
Mehlhorn, I 034926
Mehnert, E 035426
Mehra, K L 036498
Mehra, P L 041056
Mehra, U R 033993
Mehran, M 033419, 033422, 033423
Mehta, A K 034391
Mehta, B V 040657
Mehtā, H C 035321
Mehta, N M 036318
Mehta, P 031240
Mehta, T R 036532
Mei, N 033771
Meibeyer, W 031183
Meiden, H A van der 035662
Meidner, H 037043
Meinander, M 040130
Meinecke, C C 039949
Meinhold, K 033615, 034339, 034341, 034342
Meinwald, J 039936
Meitzen, A 031182
Meixner, G 041675
Mejer, G J 033776, 040455
Mejerland, T 033581
Mejnartowicz, L 036495
Meldolesi, J 033963
Melekhov, E I 037869
Melicher, K 040209, 040211
Melin, D 037329
Melkonian, M 036352
Melkumian, V G 036916
Mella, C M 035398
Mellinger, J R 031711
Mellor, J D 032737
Mello-Sampayo, T 039676
Mel'nik, D F 040534
Mel'nik, V N 040311
Mel'nikov, V N 036895
Mena, A J 038785
Menard, D 041660
Menard, J 034121
Menard, L 040592
Mende, G 038985
Mendeloff, A I 032270
Mendeloff, Albert I 032419
Menden, E 032246
Mendiola-Morgenthaler, L 037641
Menge, H 034414
Menghini, A 035908, 035958, 035959, 035960
Meniado, A 035760
Meniado, J A 035751
Menon, P K 032080
Menzel, R 039793
Merat, P 034568
Mercado, C 034378
Mercado, L 041648
Merchak, N 032299, 032312
Merchan, F J 034876
Mercia, L S 034595
Mercola, D 033898
Mercuri, A J 033090
Mercy, J 033277
Meredith, J A 039043, 039044
Meredith, M L 031028
Meredith, P 033281, 037486
Mereminskii, A I 035254
Merezhinskii, IU G 037875
Merkes, R 038218, 038219
Merrick, M J 036566, 036567
Merritt, J H 032755
Merry, D H 032937
Mertens, H 031888
Mertens, T R 036570
Mertz, W 032332
Merzhanian, A A 033477
Mesbah, M K 037195
Mescheloff, E 039281, 039292
Meshcheriakova, V A 032488
Meshcherinova, N A 041266
Meshkov, N V 032146
Meskens, L 041071
Messenger, P S 039221
Messerschmidt, O 037203
Messinova, O V 037231
Meszaros, F 037949

Meszaros, J 035098
Meszes, G 036723
Methot, G 040126
Metlitskii, L V 033440, 037636, 037683
Metson, A J 040699, 040700
Mettin, D 036395
Mettler, I J 037805
Metwally, N H 032935
Metzen, E J 032520
Meulemans, G 034991
Meulen, H C Dreef-van der 032013
Meurk, C D 036066
Mewes, G 040219
Mewes, W 033985
Meyer, D 038840
Meyer, H 035289, 037082
Meyer, Knarig Katchadurian 032456
Meyer, L D 041181, 041185
Meyer, R 040912
Meyer zu Drewer, H 031409, 031410
Meyers, S P 041486
Meylan, B A 035777
Meyran, J 035994
Mezentsev, E G 034489
Mezhenskii, V I 041274
Mglinets, V A 039759, 039765, 039923
Miagkov, V 038058
Miaki, T 034270
Mian, I A 038230
Miasoedov, N F 033826
Miasoedov, V P 039396
Miassod, R 037894, 037895
Miastkovskii, P N 035581
Mican, P 034519
Michaelis, O E IV 032412
Michaels, G E 037047
Michalak, K 035686
Michalski, W J 033997
Michel, K 039954
Michel, L J 038595
Michel, R 036957
Michener, C D 040253, 040254
Michlin, V M 040443
Michna, A 034227, 035377
Micho, J 041403
Miciora, R 035195
Micke, W 038367
Mickelsen, O 032388
Miculescu, A 031905
Midcap, J T 038249
Midge, M D 036988
Miedema, T T 031353
Miejers, C P 039029
Mielke, L N 040674
Miera, F R Jr 041605
Mierzwinska, T 037562
Miftakhutdinova, F G 033879
Migaki, G 034911
Mighell, R L 031526
Migicovsky, B B 041590
Miguel Diez, A 038238
Miguel Diez, A de 040450
Migushova, E F 036711
Mihail, P 040387
Mihailov, L 036472
Mihara, K 034032
Mihardja, A 031917
Mikami, H 034708
Mikeladze, E G 037854
Mikhailichenko, B 038056
Mikhailov, A T 035106
Mikhailov, TS 037725
Mikhailova, S 037252
Mikhal'chenkov, A S 035231
Mikhaleva, V V 032718
Mikhalin, I IA 035573
Mikhlin, E D 032945, 033438
Mikho, A I 037704
Mikhteleva, L A 037849
Mikkelson, D S 038966
Mikola, P 035684
Mikolai, F 033596
Miksic, R 040154
Miku, V E 036523
Milby, T H 039545
Mil'chenko, I V 035809
Milcheva, M 040750
Miler, I 035064
Miles, C D 037406
Miles, J 037038
Miles, S R 040784
Miles, V J 033735
Milewski, J 038557
Milic-Emili, J 034008
Milke, B 035100
Milkova, L 036473, 036474
Milkovski, I 031725
Milkus, B N 038899, 038941
Mill, A J 039905
Millay, M A 036129
Miller, A H 031215
Miller, A L 036759
Miller, B B 031444, 031445
Miller, B E 039477
Miller, B J 041198
Miller, B K 031127
Miller, C 031826
Miller, C N Jr 036128
Miller, D D 039733
Miller, D S 039582
Miller, E J 034144
Miller, E M 032196
Miller, F 040151
Miller, H H 040241
Miller, J 032198, 032415
Miller, J D 036450, 036451
Miller, J M 035108
Miller, L D 039806
Miller, M R 040383
Miller, Nancy 032592
Miller, P E 031500
Miller, P L 039779
Miller, P R 035466
Miller, R A 033324
Miller, R D 040777, 040783
Miller, R H 031120
Miller, R R 031561
Miller, S E 037047
Miller, W J 035431
Milletti, G 035957, 036767, 037352
Milliken, J 031527
Milliken, J H S 033599
Milliken, R 036059
Millington, A J 031304
Mills, C 035857
Mills, C F 041512
Mills, S E 037204
Millward, D J 032180
Milne, K S 038929
Milner, M 031867
Mimbela-Leyva, L 032135
Mims, R M 038991
Mimura, T 041355
Minakova, A L 036908
Minami, S 035423
Minamikata, Y 035566
Minarik, E 038746
Minarik, P 035380
Mindadze, R K 033343
Mineev, A V 035827
Miner, N H 041347
Minessy, F A 040906
Minett, W 033206
Minh, V D 034022
Minhas, A S 038709
Minish, G L 034481, 034800
Minker, E 037185
Minkin, M B 040837
Minko, G 035648, 035649, 040578
Minkov, I 036534
Minkowski, J 034961
Minor, R R 034059
Minte, P 032312
Mirakhmedov, A K 034217
Mirakhur, R K 038601
Miranenka, A V 037463
Mircescu, G 035018, 035019
Mircetich, S M 038869
Mircheva, D 034535
Mirchink, T G 040821
Mirkes, P E 037015
Mirocha, C J 032069, 033550
Mironenko, N I 036910
Mironenko, S I 036371
Mironescu, A 040519, 040521, 040523, 040527
Miroshnichenko, E D 036184
Miroshnichenko, IU M 037896
Mirsalikhova, N M 034218
Mirtskhulava, TS E 041155
Mirzoev, O G 036180
Mishchenko, L L 040070
Mishnev, V G 037667
Mishra, B 038688
Mishra, D N 035552
Mishra, R R 033967, 040661
Mishra, U N 040929
Miskiewicz, T 032729
Misra, A P 038688, 038701
Misra, R 032405
Misra, S S 035418
Misra, U K 032405
Misson, B H 033995
Misumi, M 037380
Mital, R N 033357
Mitchell, D G 041459
Mitchell, G 035348
Mitchell, J C 039946
Mitchell, J E 038768
Mitchell, J K 041159
Mitchell, J P 036292
Mitchell, K G 034272
Mitchell, K J 031897
Mitchell, M J 037064
Mitchell, R J 040593
Mitchell, S F 041522
Mitchell, W 031446
Mitov, P 038355
Mitra, C R 032782
Mitra, G C 036994
Mitra, T R 040041
Mitrofanov, V G 039758, 039760
Mitroiu, P 035439
Mitsko, V N 037800
Mitsugi, K 033141
Mitsuhashi, H 037072
Mitsui, Y 031861
Mitsumura, J 041483
Mitsuoka, K 036768
Mittag, U 040330
Mittal, V K 032968
Mitterpak, J 035229, 035261
Mittrach, B 040348
Mitzner, W 034014
Miura, E 031680
Miura, O 036002
Miura, T 034091
Miwa, M 036786
Miyakado, M 037159
Miyamoto, H 039448
Miyamoto, S 041040
Miyashita, M 041483
Miyatake, M 039999
Miyazaki, H 034034
Miyoshi, H 035534, 035535, 035638
Miyoshi, J 038400
Mizer, A V 040071
Mizobuchi, Y 032866
Mizukami, H 037068
Mizunaga, T 039021
Mizuno, K 034031, 034033
Mizushima, S 033799
Mizuta, H 037076
Mizutani, J 033409
Mizutani, K 031680
Mjeni, A M 039849
Moar, M H 034598
Moar, N T 036068, 036235
Mock, J J 036432
Mockel, H G 034745
Mocquot, J C 034571
Modonova, L D 035730
Mody, N V 037760
Moe, D 035912, 038419
Moeller, F E 040244
Moffat, K 034042
Moffett, J O 037390, 040188
Moga, I 038146
Mogil'nitskii, G M 037116
Moglieva, G A 037586
Mohamed, B R 038266
Mohammad, A 038691
Mohan, J 039754
Mohana Rao, R 034651
Mohanty, S K 040552
Mohapatra, S C 034647, 034779
Mohiuddin, I 032416
Mohlenbrock, R H 035949
Mohler, M T 034408
Mohr, K A 035855
Mohrig, W 040165
Mohsenin, N N 033426
Moin, S B 034721
Moine, G 034610, 034611
Moiseenko, E V 039764
Moiseichenko, N G 031396
Mokina, M N 032491
Mokwunye, U 041046
Molchan, I M 036688
Molchanov, M I 037396
Molello, J A 035445
Molenat, G 040453
Molgaard, H V 037313
Molhave, L 041490
Moliavko, O O 037881
Molina, M R 033208
Molinas, M L 036259
Molkanov, L N 038074
Molle, K G 038171
Mollemann, A 033237
Moller, G 040886, 040887
Moller, M 033590
Moller, S 034954
Moller, T 035430
Moller, W J 038869
Molleson, A 032347
Mollova, M 034609
Molloy, L F 040793
Molnar, J 033728, 033729
Molnarova, B 034225
Molodiuk, O I 036357
Molodova, G A 037211
Molodtsov, V A 040819
Molokov, L G 037422
Molostov, G 038064
Molotchnikoff, S 033895
Molseeva, V P 033342
Mol'ski, B 032459
Moltesen, P 035732, 035733, 040904
Moltke, N 031514, 033490
Momcilovic, B 032410
Momeni, M H 033910, 033915, 035410
Momma, E 040104
Momot, T S 037927
Monaco, R 039338
Monaghan, J L 036388
Monahan, J J 034584
Monakhova, T E 036901
Monastra, F 038385
Monastyretskaia, E V 037700
Moncada, E 039436
Monckeberg, F 032293, 032299, 032312
Moneib, A 032929, 032930, 032932
Monet, J D 034122
Moniava, I I 036871, 036878, 036880
Monin, G 034570
Monistere, N 032290
Monori, S 032783
Monotti, M 037353
Monroco, H 041626
Monroe, W E 038078
Monselise, S 037717
Montalbini, P 038758
Mont'alegre, O 031554, 031555, 031556
Montali, P 037351
Montandon, C M 032315
Montegut, M 034123
Montemartini Corte, A 038625
Montemurro, O 033637
Montgomery, C A 034995
Montoya, M 031027
Montreau, F R 033283
Monzini, A 033349
Moodie, C A 032292, 032350
Moomaw, R S 038093
Moonen, G 033892
Mooney, H A 037168
Moor, H 041158
Moor, R M 034679, 034682
Moore, G R 035899
Moore, G T 034714
Moore, H B 031952
Moore, H D M 034695
Moore, I 037998
Moore, J J 036192
Moore, J L 032036
Moore, J M 033662
Moore, J R 037246
Moore, R A 038184
Moore-Landecker, E 036854
Moorjani, M N 032868
Mootoo, B S 037933
Mope, L 034040
Mora, J 032304
Moradshahi, A 036437
Morales, E 032327
Moran, J B 034403
Morant, R de 041239
Morassi Bonzi, L 036297
Morata, G 040217
Moreau, D H 041424
Morehead, Bill 032611
Morehouse, A L 032263
Morel, F 034123
Morelet, M 038612
Morelock, T E 038268
Moreno-Gonzalez, J 036419
Morgan, D G 037630
Morgan, J M 037926
Morgan, P V 041569
Morgan, W S G 039587
Morgenthaler, J J 037641
Morgun, E M 032482
Morgun, V V 036464
Morgunova, E A 037536
Mori, B 034089
Mori, K 037782, 039934
Mori, P 033408
Mori, T 037922
Mori, Y 040490
Morice, J 037945
Moriguchi, M 036849
Morimoto, K 032869
Morisaki, M 032201
Morishima, I 040213
Morisio Guidetti, L 032390, 032392
Morita, Y 037338
Moritsu, M 040000
Moriwaki, Y 041355
Morizur, J P 039935
Morley, F H W 039823
Morley, J A E 031029
Moroder, L 032724, 032725
Morogova, V M 035282
Morohashi, Y 037478, 037479
Morosow, J 040479
Moroz, L A 032396
Morozeau, F 033743
Morozova, A K 032502
Morozova, E V 037636
Morozova, G I 032151
Morozova, N P 033440
Morphet, A M 034267
Morrall, R A A 038587
Morris, D S 039366
Morris, G 034044
Morris, G C 036245
Morris, G K 032111
Morris, I R J 041440
Morris, L L 033402, 033403
Morris, M G 040036
Morris, M L 034359
Morris, N M 032066
Morris, R 036411
Morris, R M Jr 035877
Morris, S L 032071
Morris, V B 033735
Morrison, A R 033712
Morrison, D G 034720, 034731
Morrison, D J 035471
Morrison, G C 038271
Morrison, I M 034214
Morrison, L S 038784
Morrison, P E 039680, 039849
Morrison, W H III 033255
Morriss, A C 031961
Morrow, J L 038877
Morse, E V 034975
Morse, L M 034768, 035370
Morse, R 040181
Morse, R A 032832, 040187
Morshchatskii, A A 039086
Mortensen, B 033641
Mortensen, H 031184
Mortimer, R K 037127
Mortland, M M 040772
Morton, G O 037066
Morton, H A 031208
Morton, H L 036836
Morton, J 031679
Morton, J J 034159
Morton, L F 034208
Morzer Bruyns, M F 035495
Morzycka, E 036726
Mosca, A 036308
Moser, B C 038992
Moser, K M 034022
Moser, T H 041381
Mosiiuk, P O 031928
Mosina, S B 036682
Moskova, R D 036296
Moskowitz, H R 032239
Moskwa, W 039026
Mosolov, V V 033119
Moss, M O 037180
Moss, M R 031201, 035525
Mossahebi, G H 038932
Mosse, B 036315
Mossel, D A A 032145
Mosteiro, A P 035758
Mostert, J F 033030
Moteanu, F 040524, 040526
Mothersill, C 034210
Motohashi, T 035122
Motohiro, T 032741
Motsch, T 034924
Mott, J J 037036
Motz, 032926
Motz, R 033649
Mouchtoure-Stylianidou, Eu 038333
Mouillet, L 032986
Moulin, G 036948
Moult, J 034067
Mountz, G L 031229
Moursi, M A 037690, 038185
Moustacchi, E 036557, 036598
Moustafa, A F 036154
Mouton, W L 031087
Mouttapa, F 040647
Movat, H Z 034157
Movnin, M S 035823
Mowat, D N 033543
Mowat, G N 035023
Mowat, W P 038920
Mower, R L 038584, 038586
Mowszowicz, J 036231
Moxley, J E 034557
Mozgawa, J 035593
Mozhaev, D V 035585
Mozhar, T A 037463
Mozingo, R W 033571
Mozumder, B K G 038694
Mozyrin, A V 035818
Mrak, E M 032919
Mucha, G T 032941
Mudra, K 034831
Mudrochova, A 040631
Mudzhiri, K S 037267, 037270
Mudzhiri, M M 037270
Muehlbauer, F J 036434
Mueller, D D 033120
Mueller, G C 033793
Mugiwra, L M 040998
Muhl, M 031284, 031456
Muhlbauer, R 033844
Muiia, D S 035484
Muir, D C 039558
Muir, J 040670
Muir, P 038821
Mukai, T 039753
Mukerjee, K 038904
Mukerji, K G 038692
Mukhamadeiev, B T 036976
Mukhamadiev, B T 036545
Mukhamedgaliev, F M 034821
Mukharji, S P 039320
Mukherjee, A K 032083
Mukherjee, D 038029
Mukherjee, D P 034650
Mukherjee, G 032083
Mukherjee, K D 033222
Mukherjee, S K 031079, 038374
Mukherjee, S R 040982
Mukhiddinova, N G 037233
Mukhopadhyay, S 036458, 038908, 038909
Mukhopadhyay, S N 033267
Mukhovatova, L M 039928
Mukhtar, A M S 033532
Mukkur, T K S 033924
Mukula, J 039142
Mulay, C A 032974
Mulchi, C L 038972
Mulder, H R 038506
Mulder, J L 036156, 036160
Mulder, R W A W 032057
Mulder, S J 033072
Mulders, M S G 035177
Mule, E I 033080
Mulla, M S 039467, 039468
Mullaney, P D 034277
Mullen, P W 035878
Muller, D G 036390
Muller, E 033375
Muller, F B 041017
Muller, G 034929
Muller, H 037824
Muller, J 034321, 041246
Muller, L L 031954, 033170
Muller, O 039346
Muller, R 034211
Muller, R A E 031035
Muller, U 032118
Muller, W 033861, 034130
Muller, W H 037625
Muller, Z 033517
Muller-Liebenau, I 040129
Muller-Wille, W 031174
Mullick, D B 037919
Mullner, L 038411
Mulvey, R H 038967
Muma, M H 040088
Mummery, R 039835
Mummery, R S 036163
Munakata, K 037293
Munavalli, S 037240
Munchow, H 034305
Munda, K A 032183
Mundy, B P 039391, 039392
Munjal, R L 037755, 037756
Munn, D A 040773
Munteanu, I 041192
Muntiu, N 035018, 035019
Munyua, J K 032994
Munzenberg, G 040429
Mur, L R 036961, 036963
Muradian, A A 036396
Muradian, M Sh 033828
Murai, M 034026
Murai, N 037813
Murakami, H 032091
Murakami, K 037069
Murakami, T 035013
Murakoshi, I 037517
Murakoshi, S 040201
Muraleedharan, V 032798
Murali Mohana Rao, E V 040708
Muramatsu, I 033835
Muramatsu, K 031680, 034252
Muramoto, H 036424
Murao, S 037005
Murasige, E 040000
Murata, H 039579
Murata, N 038867
Murayama, D 038883
Murdoch, G 039416
Murdoch, W W 039228
Murfet, I C 037776
Murofushi, N 037619, 037620
Muromtsev, G S 038797, 040792
Murphree, C E 041386, 041625
Murphy, A H 038003
Murphy, J A 035949
Murphy, P M 040794
Murphy, V L 031465
Murray, D 040632
Murray, D L 040705
Murray, G M 038585
Murray, J G 032073, 032076
Murray, J J 036302

Murray, K 037313
Murray, T K 032301
Murray, W G 031142
Murrell, E A 032190
Murrillo, B 034372
Murtas, A 041341
Murtazov, T 037718
Murthy, K S R K 039250
Murty, B R 039196
Murty, G V G K 038696
Murzaeva, S V 037660
Murzamadiev, A 034220
Musacci, P 038727
Musatov, A G 040876
Musbah, M 033609
Mushketik, L S 036970, 037402
Musiiaka, V K 037411
Musiienko, A A 037606
Musikhin, G P 035810
Musil, M 038876
Musorok, T I 037590
Musselman, E E 034906
Mustakas, G C 033551
Mustiatsa, S I 036523
Mustich, G 037807
Muszynski, S 036619
Mutafian, E M 037373
Mutchler, C K 041143, 041371, 041386
Muth, H 031059
Muthuswamy, P 039534
Muting, D 039727
Muting, E 039727
Muto, A 037903
Mutschler, Mary 032616
Mutto, S 038639
Mutzbauer, C 031488
Muylem, K van 034990
Muyshondt, A 040147
Muzafarova, S 037745
Muzaferova, R Sh 036713
Muzikant, J 034863
Myall, A J 036272
Myant, N B 032450
Myasoedov, N A 037861
Myatt, O W D 039269
Myers, B J 032100
Myser, W C 039904
Mytelka, A I 041583
Mytnik, L G 033021
Nachkov, D 035055
Nadal Gaya, J M 038240
Nadeau, R A 033851
Nadejde, M 039299
Nader, C J 034347
Nadgir, A L 037456
Nadirov, N K 032896
Nadler, C F 033870
Naftalin, R J 033815
Nag, S 033971
Nagae, T 034707
Nagai, M 037074
Nagaichuk, E A 033480
Nagao, Y 036850
Nagasawa, M 034170
Nagasawa, R H 032516
Nagata, I 037016
Nagata, J 039999
Nagata, T 033841
Nagato, K 033288
Nagatomi, A 040141, 040142, 040143
Nagatomo, H 035012
Nagatsuka, S 040717
Nagel, J 033373
Nagel, S 034313
Nagley, P 037124
Nagornaya, S S 037123
Nagpal, R C 032972
Nagpaul, R K 035321
Naguib, M 040906
Nagy, B 039249
Nagy, G 041496
Nagy, Gy 033509
Nagy, M 037617
Nagy, S L 035546
Nah, K C 033517
Nahrstedt, A 037157, 037181
Naidenov, M 040576
Nair, A G R 036906
Nair, K K S 032087
Nair, P P 032320
Nair, P S 039901
Naithani, V K 033919
Naito, T 036205, 037483
Najman, L 035374
Nakagawa, K 038396
Nakagawa, M 032873
Nakagawa, Y 039046
Nakahara, K 037005
Nakahara, S 032894
Nakahiro, Y 034092
Nakai, T 032927
Nakajima, T 037187, 040668
Nakamura, H 033409
Nakamura, I 040090
Nakamura, K 036810
Nakamura, N 035011
Nakamura, R 032065
Nakamura, S 034030, 037848
Nakane, H 034977
Nakano, K 033045
Nakano, M 035137
Nakase, T 036035
Nakashima, M 037757
Nakashima, T 041145
Nakashima, Y 035903
Nakatani, K 034087
Nakatsugawa, T 039547
Nakaya, N 036821
Nakayama, Y 034977
Nakonechna, IA IA 034523
Nakova, I 033035
Nalbandian, R A 039597
Naldini Longo, B 036298
Naletov, N A 035375
Nambiar, K G 033130
Nambu, K 034034
Nambudripad, V K N 032055
Namir, Kh Sh 040847
Namor, M S S 032745
Namzhilov, N B 041207
Nanda, J S 038865
Nandi, B 035887, 038682
Nandi Majumdar, A P 032413
Nandi, R P 036996
Nandpuri, K S 038435, 038437
Naneva, D 037829
Nano, G M 037194
Naoe, S 037068
Naphade, J D 040927
Napoli, C 037355
Napoli, C A 038853
Naqvi, A 038913, 038914
Naqvi, S 032343
Naqvi, S M 037613
Narain, U 038658
Narasimhan, K T 040985
Narayan, K G 032081
Narayan, R K J 039196
Narayana, K 035325
Narayana, L L 036325
Narayana, M R 038537
Narayanaswamy, A 040513
Narbut, S I 036669
Narchuk, E P 040069
Narendra, D V 036024, 038672
Nariani, T K 038911
Narikashvili, M S 034193
Narikashvili, S P 034193
Narkiewicz-Jodko, J 039009
Narkiewicz-Jodko, M 038793
Naruto, S 037076
Narzieva, M D 032770
Nasca, A J 038459, 039906
Nash, D R 040009, 040018, 040061
Nash, J K T L 040357
Nash, L J 037819
Nash, N 041474
Nash, R 041551
Nashkov, D 035056
Naskidashvili, P P 036519
Nasonov, N 033557
Nasreddinov, Kh A 040066
Nassery, H 037633
Nastev, N 039111
Nasuno, S 037253
Nasution, R E 035916
Nasyrov, YU S 036539, 036543, 037745
Natali, P 031947
Natali, S 041345
Natal'in, N B 036682
Natanson, A O 032496
Natav, Y 038342
Nath, D K 036458
Nath, G 032082
Nath, K 033993
Nathan, R D 034063
Nathanson, K 040863
Nauer, E M 038894
Naumenko, V I 034524
Naumova, L P 037271
Naumovich, E I 041264
Navesnik, S 035225
Nawa, S 036577
Nawar, W W 032374
Nawarsadjan, G 040415
Nawrocka-Kanska, B 032164
Nayak, B B 037440
Nayak, B C 035328
Naylor, A W 037815
Nazarina, L A 035722
Nazarov, S K 036842
Nazarova, I P 033211, 033213
Nazarova, T S 037113
Nazirov, Kh N 038072
Neal, R L Jr 035694
Neales, T F 037847
Neander, E 031485
Neathery, M W 035431
Nechaeva, L V 037587
Nechiti, G 041191
Nechvatal, M 035384
Necker, R 034127
Nedava, V IU 034236
Nedbalova, V 040285, 040306
Nedeva, D 036208
Nedialkov, S 040261
Nedukha, E M 036365
Nedzvetskaia, G L 039143
Neel, W M 037760
Neelakantan, P 033091
Neergaard, P 038788, 038789
Neesse, K R 032512
Neet, K E 036781
Nefedov, A A 035577
Neff, W E 032858
Negisi, K 037923
Negm, A A 039262
Negm, H M 034267
Negmatov, M 036520
Negovelov, S F 041089
Negrutiu, E 031123
Nehemiah, K M A 038603
Nehl, S 034496
Nehring, P 032047
Neidhart, J 031505
Neifakh, S A 036687
Neikova, E 040750
Neilson, R E 037915
Neiman, P E 035129
Neis, U 041319, 041634
Neitz, A W H 039496
Nekrasova, V B 035816
Nelson, A I 033240
Nelson, C J 036428
Nelson, C O 040673
Nelson, D C 038255
Nelson, D W 041352
Nelson, E W 032311
Nelson, G S 033609
Nelson, Helen Y 032378
Nelson, L 041375
Nelson, L A 038093, 038094
Nelson, L B 041001
Nelson, M L 033158
Nelson, N 037820
Nelson, R A 032288
Nemec, S 036290
Nemeth, I 041021
Nemny, N E 039372
Nemoto, Y 033319
Nene, Y L 038912
Nenn, J J 039593
Nepenin, IU N 035816
Neronov, V M 039519
Nes, H 038490
Neshchadim, A G 032718
Neshev, G 038608
Nessler, U 031382
Nestel, B L 031839
Nesterova, G A 033042
Nesterovich, N D 037912
Nestorescu, I 041418
Nestsiarovich, M D 035656, 035922, 037002
Netherton, H R 039510
Net'osov, M O 031388
Nettevich, E D 036651
Neuberger, A 032400
Neuffer, G 039373
Neuhoff, V 034114
Neumann, A C 037077
Neumann, D 039616
Neumann, F L 039288
Neumann, R 034926
Neumann, W 033673, 034323, 034500, 034578
Neumeyer, J P 031956
Neupert, W 036957
Neurath, H 037646
Neururer, H 039189
Neuschulz, A 033492
Neuteboom, J H 041098
Neuwirth, H 037597
Neveu, L 031436
Neveux, J 036999
Neville, C 039899
Nevzglyadova, O V 036687
Newbould, F H S 035034
Newcomb, R 034702
Newell, C 036023
Newell, C A 036301
Newell, P C 036862
Newlands, G 040096
Newman, C W 034416
Newman, E I 036219
Newman, L C 035856
Newsom, L D 039282
Newstead, D F 033015
Newth, R P 033561
Newton, J E 034271
Newton, J W 037259
Newton, K G 032117
Newton, S B comp 038103
Neyroud, J A 040799
Ng, F S P 035675, 036060
Ngok, W C 035833
Nguen Van Doai, 040075
Ngunya, E A 041645
Nguyen, T C 034566
Nguyen Thuan, 037410
Nguyen Tu Siem, 040844
Nguyen, V X 033351, 033352
Nguyen-Thien Luan, 032922
Nguyet, N T H 032329
Nica, O 041053
Nichaman, M Z 032302
Nichiporovich, A A 036548, 036938, 037601
Nichita, S 032128
Nicholl, L 034615
Nichols, B L 032276
Nichols, J L 035165
Nicholson, F J 032743
Nicholson, R L 038765
Nicol, R 034323, 034500
Nicol, W M 031961
Nicolai, J H 033636
Nicolas, D 033296
Nicolaus, A 040376
Nicsulescu, E 040522, 040523
Niederbacher, A 031786
Niedermeier, R P 033694
Niedzwiecki, E 041684
Nielsen, A F 039293
Nielsen, B O 039494
Nielsen, D B 039178
Nielsen, D G 039352
Nielsen, E 034716
Nielsen, F 035886
Nielsen, J D 041137
Nielsen, J J 034502
Nielsen, K 035430
Nielsen, N C 035171, 035174
Nielsen, N O 035399, 035400
Nielsen, P J 041235
Nielsen, S W 035403
Nielsen, V H 031544, 031944
Nielson, J 030996
Nieman, W 033273
Niemann, E 034530
Niemann, W H 034711
Niemeier, G 031187
Niemela, T 036161
Niemyski, K 037559, 038151
Nienhaus, F 038946
Niering, W A 039112, 041498
Nieschlag, E 034639
Nietsch, P 037779
Nieva, F S 033418
Niezgoda, J 033713
Nigam, J M 033976
Nigam, S K 035330
Nigmatullin, T G 035283
Nihoul, J C J 041538
Nijjar, G S 038436
Nijstad, J 032472
Nijweide, P J 034141, 034143
Nikiforenko, L I 040848
Nikiforov, E A 036914
Nikiforova, N A 035816
Nikiforova, V I 036914
Nikiticheva, Z I 036284
Nikitin, D I 040689
Nikitin, L E 037113
Nikitina, K A 037114, 037121
Nikkila, O E 032920
Niklas, K J 035955, 036273
Nikolaev, A V 040729
Nikolaev, B A 037579
Nikolaev, I K 041275
Nikolaeva, L F 037574
Nikolaeva, M G 037859, 037900
Nikolaeva, N F 038873
Nikolaeva, N V 035282, 039965
Nikolov, G 031725, 038131
Nikolov, N 031324
Nikolov, S 038898, 041188
Nikolov, T 036919
Nikolov, V 037409
Nikolova, N S 037555
Nikol'skii, IU N 041271
Nikol'skii, S N 035247
Nikonov, G K 036875, 036900
Nikonova, N N 036185
Nikonova, N S 037575
Nikonow, A 031317
Nikoro, Z S 034824
Nikulin, N R 038180
Nikulin, S N 041277
Nilov, G I 033439
Nimayeva, S Sh 041207
Nimbalkar, J D 037454
Nimmo-Smith, R H 039595
Nip, W K 032720
Nipper, W A 034719, 034724, 034726, 034735, 035144
Nisbet, T J 033011
Nishi, A 036821
Nishi, Y 038882
Nishida, T 040572
Nishihara, N 038574
Nishimura, H 037076, 037182
Nishimura, S 038733, 038734
Nishiwaki, K 032752
Nishiyama, A 033955, 033959
Nishiyama, I 036576, 036620
Nishiyama, R 032848
Nissen, G 041008
Nissen, N R 031049
Nissley, S P 034112
Nistico, G 033832
Niswender, G D 034640
Nitant, H C 040981
Nitsch, A 036718
Nitsche, G 033229
Nitz, H J 031179, 031185
Nitzke, S 032328
Niwa, F 034029
Nizam, J 036459
Nobel, T A 035312
Nobile, S 032244
Noble, A C 037626
Noble, J C 036226
Noblet, R 039481
Nobuchi, A 040001
Nochebnyi, V T 035278
Nocke, H 039629
Noda, H 035120
Noddegaard, E 038741
Node, M 036850
Nodenes, M 031622
Nodland, T R 031444, 031445
Noel, E J 032292
Noel, F J 032350
Noguchi, G 033202
Noguchi, M 035769
Nogumanova, S T 037218
Noia, A 033291
Noibon, G 038465
Noimann, U 038465
Nolan, J V 033830, 033831
Nolte, D 032923
Noltee, F 036147
Noltze, H 041130
Nomoto, T 038053
Nomura, D 032846
Nonaka, S 036578
Noor, A 039230
Nordal, J 041622
Nordberg, G 031988
Norden, A R 032094, 032099
Nordhorn, G 037330
Nordquist, P T 038094
Norgaard, R B 039528
Norin, B N 036189
Norman, H D 034580
Norman, J M 037914
Normand, F L 031951
Norris, C 032272
Norris, D E 032101
Norris, D M 039674
Norris, K H 037802
Norrsell, U 033705
Northcote, D H 036323
Northolt, M D 032088
Norton, B W 033830
Norton, C C 035183
Nosaka, D 035012, 035306
Nose, Y 034103, 036823
Nosenko, V F 040472
Nosikov, V V 033783
Noskowiak, A F 038764
Nosova, L I 036843
Notananda, V 039437
Notermans, S 032088
Nottingham, P M 032117, 033037
Notzel, E 036198
Nour El Din, N A 037690
Novak, A F 032018
Novak, I 037185, 039604
Novak, M 035117
Novak, V YA A 039933
Novellie, L 033200
Novikov, N I 033774
Novikova, A F 040815
Novoderezhkin, R A 040361
Novostavskii, V N 034813
Novotny, I H 036155
Nowacki, E 036846
Nowacki, J A 032775
Nowakowska, K 033837
Nowlin, R A 035500
Nowoshilow, K 039010
Noy-Meir, I 036220
Nozaki, M 033859
Nozawa, K 034705
Nozdrina, V N 037681
Nozeran, R 036275
Nuce de Lamothe, M de 038422
Nugent, F L 031579
Numaguchi, H 037380
Numao, Y 034134
Nunez, E A 033732
Nuninga, J T 040514
Nur, I M 040852
Nurit, S 033820
Nussbaumer, A 031772
Nustad, K 033951
Nuti, L C 034001
Nutman, P S 040653
Nwinyi, S C O 040971
Nwoboshi, L C 040973
Nydl, J 035274
Nyhan, J W 041605
Nyland, G 038869
Nyquist, A E 032722
Nys, L 041081
Nystrom, S 038071, 038166
Nyujto, S 041222
Oakes, A J 039070, 039306
Oakes, J Y 034437, 035145, 038080
Ob''edkina, R N 036642
Ober, J 040347
Oberg, R G E 033706
Oberhauser, M 032003
Oberleas, D 032279
Obiaga, T I 032333
Obibuaku, L O 031115
Obidor, E L 035250
O'Bien, L V 032457
Obigbesan, G O 040975
Obraztsov, A S 036646
O'Brien, J S 036759
O'Brien, M T 032019, 032022, 032024
Obrucheva, N V 037906
Obukhov, A D 040724
Ochs, R 036979
O'Connor, D J 041543
O'Connor, G A 040770
Ocsag, I 034549
O'Cuinn, G 034215
Oczos, A 038095
Oda, R 034592
Odaka, Y 037187
O'Day, D H 037010
Odigboh, E U 033426
Odintsov, B M 036914
Odintsova, M S 036972
Odland, Dianne 031989
Odokienko, L G 033474
Oebker, N F 038377
Oehring, J 040505
Oelke, H 034747, 034748
Oelofsen, W 037301
Oftedal, O 032296
Ogai, A V 033456
Ogaki, C 031680
Oganesian, R S 037665
Oganezova, G G 036286
Oganyan, E A 040818
Ogasawara, F X 034595
Ogasawara, R 037920
Ogata, E 033769
Ogata, H 039579
Ogawa, N 033134
Ogawa, T 036810
Ogawa, Y 037619
Ogbeide, M I 032219
Ogbourne, C P 035092
Ogburn, P N 035318
Ogden, J D 034713
Ogii, V G 034814
Ogner, G 040952
Ognyanova, A 036476, 036478
Ogra, J L 032054
Oguni, M 032767
Ogura, H 036583
Ogura, K 037763
Ogurtsov, V V 035814
Oh, J 034803
Ohad, I 037021
Ohara, M 034426
O'Hara, P J 033037
Ohba, H 036039
Ohba, M 034080
Ohkawa, Y 038886
Ohlander, C A 041176
Ohlson, R 033254
Ohlsson, I 038161
Ohlsson, R 032460
Ohm, H W 036438
Ohmiya, S 037517
Ohmomo, S 037006
Ohno, H 036822, 037017
Ohno, N 037159
Ohno, T 032381, 036822, 037017
Ohsaki, K 037070
Ohsawa, A 039210
Ohta, K 035660, 038852, 039251
Ohta, T 032927, 033264

Ohta, Y 036577
Ohtomo, T 040201
Ohuchi, A 038851
Ohyama, Y 033500
Oishi, T 034706
Ojehomon, O O 037777
Oka, H I 036407
Okabe, N 038852
Okada, K 039675
Okada, M 036326
Okada, T 035724
Okafor, N 040800
Okamoto, M 036575
Okanenko, A S 036970
Oke, O L 033524
Okhotnikov, V I 039243
Oki, K 038572
Okladnikov, IU N 032493
Okorie, D A 037156
Oku, H 038572, 038756
Okuda, T 037782
Okulova, S M 036841
Okumura, S 036328
Okuyama, T 039047
Olalo, C C 031325
Olander, H J 035038
Olbrisch, H D 041442
Oldani, D 037365
Oldemeyer, D 038159
Oldfield, J E 035369
Oldren, O 031104
Oleinikov, R R 040687
Oleinikova, T A 037236
Oleneva, V A 032491
Olered, R 032913
Olerud, J E 034156
Olexa, 032142
Olfe, H C 033612
Olive, J H 037145
Oliveira, E R de 033193
Oliver, A E 031644
Oliver, J M 034776
Oliver, R A 033871
Oliver, V 040449
Olkowski, H 039388
Olkowski, M 036254
Olkowski, W 039388
Ollagnier, M 036979
Ollier, A 034288
Ollivier, L 034570
Olmedo, E 031537
Olmedo, J P Jr 035743
Olmi, M 039340
Olney, C E 039574, 041617
Olsen, K J 038149
Olsen, K L 033387
Olsen, W C 031005
Ol'shevskaia, T I 035279
Ol'sinskaia, N L 037219
Olson, A E 035347
Olson, C E Jr 031212
Olson, G E 034683
Olson, J E 038431
Olson, M S 033767
Olson, P 032445
Olson, R A 040670
Olson, R J 033911
Olson, W H 039324
Olsson, B 034764
Olsuf'ev, N G 040050
Olszewska, E 036603
Olszewska, L 038214
Olton, G S 039239, 039323
O'Malley, B W 034145, 034583, 034584, 034642
Omana, A P 031325
Omar, E M 034257, 034258
Omara, S F 034265
Omarov, D S 036649
Omorov, E O 039717
Omura, S 036822, 037017
Onan, K D 037024
Onchev, N 041188
Ondrej, M 039744
Ondrus, I 034223
O'Neal, T D 037815
O'Neil, J W 035335
O'Neill, R V 041542
Onishi, H 036731
Onken, A B 041047
Onstad, C A 041399
Onyshchenko, L H 039368
Oommen, T K 031834
Oomura, K 035121
Oosten, M F van 040570
Oourisson, G 037294
Oparin, A I 036971, 037681, 037682
Oparina, L A 036288
Oplinger, E S 037942, 037943
Oplt, J 031385
Oppenheim, J F 031232
Oppenlander, K L 039263
Oprea, M 041053
Orbach, J 034126
Ordzhonikidze, TS A 034192
Orena, M 037287
Orevi, N 039884
Orgeur, P 034241
Oriozabala, M A 032406
Orive, L M C 034704
Orlandi, M 034282, 034283, 034980
Orlando Filho, J 040893
Orlik, A P 036463
Orlob, G T 041544
Orloci, L 035911
Orlov, D S 040844
Orlov, I V 041117
Orlov, L M 039960
Orlov, V N 038212
Orlova, N N 036511
Orlova, S A 036307
Orlovskaya, G M 035790
Ormandzhi, K S 038197
Oroszlan, S 035108
O'Rourke, J R 031001
O'Rourke, M D 035333
Orozco, F 039614
Orphanos, P I 036955
Orpin, C G 034060
Orser, Jean 032616
Ortega, F 034986
Orth, H W 033504
Orth, R A 033206
Ortiz, F 041458
Ortwein, L 039051
Ory, R L 033549, 037374
Ory, Robert L 032383
Osa, J M 036632
Osajima, Y 037757
Osawa, T 037473
Osborne, C A 035343
Osborne, P J 040015
Osepregi, I 031297
Oser, Bernard L 032237
Oshima, Y 036589
Osidze, D F 035278
Osin, A E 038203
Osipova, I N 032499
Osis, D 032272
Oslage, H J 034338, 034529
Osman, O H 033834
Osovik, A N 037217
Osovik, E M 037217
Ostapenko, V G 041131
Ostazeski, S A 036302
Ostbye, E ed 036193
Oste, C A 037835
Ostendorf, H D 031697
Osterberg, R 037057
Ostergaard, V 031515, 033695, 033696
Osterhoff, D R 034084
Osterkamp, W R 041397
Osterloh, A 033379
Osthoff, F K 031204
Ostrianina, A D 032490
Ostrikov, M S 040837
Ostrovskaia, L K 037704
Ostrow, R W 039390
Osuchowski, T 034396
Osuga, D T 032195
Osuga, T 032165
O'svath, J 039083
Ota, H 034033
Otani, H 038733
Otcenasek, M 035272
Otedoh, M O 031703
Otiman, P 038147
Otis, J B 031444, 031445
Otomasu, H 037517
Otowa, M 040716
Otremba, E 031178
Otsuka, H 035012, 035305, 035306
Ott, D E 039588
Ott, J E 034825
Ott, R 040394
Ott, R L 035070
Otten, L 032761
Otto, E 033043, 033109, 034498
Otto, G 041141, 041142, 041153
Otto, H 035772
Otto, J 036957
Otwinowska, A 033721, 033722
Ouchi, S 038572, 038756
Ough, C S 033323, 037626
Oura, H 032200, 037187
Ouzilleau, J 037130
Ovcharenko, G A 037585
Ovchinnikov, I 041167
Ovchinnikov, L V 035666
Ovchinnikov, YU A 033783
Ovechkin, N A 035254
Ovechkin, S V 040732
Overchenko, B P 041122
Overchu, V I 036467
Overchuk, V I 037800
Overend, M 035714, 035853
Overstreet, R M 032101
Overton, J 033877
Ovisishcher, B R 034508
Ovodov, YU S 036894
Ovsepian, M V 037680
Owada, E 033862
Owen, D F 039103, 039641
Owen, E 034276
Owen, H 035023
Owen, J B 034558
Owen, N C 034907
Owens, J C 036432
Oyarzabal, E S 036632, 036635
Oydvin, J 038332
Oyen, j 038743
Oyenuga, V A 034370, 034371, 034377
Oyler, D 031003
Ozaki, K 039529
Ozimek, T 041497
Ozoray, G 041309
Paananen, R A 041293
Paarlberg, D 031639
Paas, A IU 040736
Paasche, E 036338, 037140
Pabst, R 033857
Pace, J E 034593
Pace, J W 034674
Pacenovsky, J 035229
Pach, W 031814
Pachecka, J 036727
Pack, M R 038958
Packer, L 036966
Packter, N M 037653
Pacurar, I 038116
Padan, E 037134
Padchufarava, H M 038732
Paddock, R J 034050
Padfield, C A S 039039
Padilla, E 037835
Padkina, M V 036516
Padma, M C 035075
Padma Rani, R 032418
Padmaja Rao, S 036569
Padmanaban, G 037243
Padmanabhan, D 038862
Padmanabhan, M D 039287
Padmanabhan, S Y 038669
Padova, R 033382
Paetzel, M M 039807
Paetzold, D 038980
Paganuzzi, V 033454
Page, A L 039019, 040673
Page, D H 035901
Page, L 032357
Page, S W 036748
Pagliaro, A F 033069
Paguia, P 039215
Pai, C 036407
Paiero, P 035554
Pajni, H R 039802
Pak, V M 037571
Pakaln, D A 036874
Pakanova, 032142
Pakhorukov, N M 039696
Pal, A 037954
Pal, B P 039003
Pal, I 037618, 038226
Pal, U R 037334
Pala, J 038038
Pala, M 038381
Palacios de Garcia, M E 038785
Palamarev, E 036010
Palan, S 031368
Palaveev, T 037532, 040750
Palczynski, A 036256
Palfi, D 037798
Palii, A F 036522
Palilova, A N 036703
Palisoc, J 035752
Paliura, A N 033483
Palkovic, K 034553
Pallesen, G 040081
Pallesen, L C 041577
Palm, E 040081
Pal'mbakh, L R 039761
Palmer, A Z 034350
Palmer, K 037286
Palmer, L 031633, 031836
Palmer, Sushma 032204
Palmer, T Y 035507
Palmieri, A 031089
Pal'min, V V 033113
Palmine, I V 033048
Paltineanu, R 038111, 041420
Paltrinieri, S 034981
Palvolgyi, L 041020
Pan, C H 037045
Panaiotov, I 036644
Panait, N 039298
Panattoni, A 031675
Pancaldi, D 039553
Panchenko, I D 033585
Panchenko, P S 041121
Panczel, M 037884, 041014
Panda, B 032086, 033137, 034389
Panda, P C 032086
Pande, J K 033974
Pandey, A K 036305
Pandey, K D 035186
Pandey, K K 036608, 040661
Pandey, R 033972
Pandey, S Y 040921
Pandian, R S 039856
Pandya, R B 037340
Panella, F 039525
Pangborn, R M 032242
Panggabean, G 038543
Panizo, F M 037158
Pankov, B G 035250
Pankov, E A 031936
Pannikow, W 040989
Pannonhalmi, K 038226
Panov, P 036012
Panova, R 037719
Panova, S V 037603
Panova, T M 039933
Panteleev, V K 038828
Pantulu, P C 032992
Paoletti, C 036825
Papalini, P 040486
Papendick, R I 041184
Papenfuss, G F 036113
Papp, A 035065
Papstein, H J 034498
Papurov, Kh 034534
Parameswaran, N 035775
Paramonov, E G 035670
Paramonova, E G 032488
Paramonova, T K 037400
Paranjpe, B D 033968
Paraonova, N V 037428
Parcevaux, S de 037495, 040382
Pardue, M L 039875
Pardus, I 041642
Parent, B 039325, 039355
Pares, R D 038889
Parez, M 034786
Parfenov, M A 040547
Parfent'eva, T L 033477
Parham, E S 032373, 032416
Parham, Ellen S 032372
Parham, R A 035749, 035897
Parinkina, O M 036196, 036203
Paris, D F 041506
Paris, G 036308
Paris, P 037351
Parizek, J 034511
Park, H Z 033842
Park, J F 033911
Park, R A 041540
Park, R B 037206
Parker, A J 034896
Parker, C F 034769
Parker, D V 037240
Parker, J B 031825
Parker, J B Jr 031599
Parker, J E 034780
Parker, K 039899
Parker, N J B 039699
Parker, P A 032438
Parker, R C 035848
Parkhomets, P K 032497
Parkin, M F 033017
Parks, J E 034799
Parks, J R 034421, 034422
Parks, W P 035134
Parlevliet, J E 036626
Parmar, S 031083
Paronetto, L 033333, 033334, 033335
Parr, J F 041625
Parra, A 032276
Parra A, A 040692
Parra, G 031970
Parrott, R F 034668, 034670
Parsons, B L 040383
Parsons, J G 033256
Parsons, P A 033941
Parsons, V 034064
Parthasarathy, N 032087
Parthasarathy, P C 036985
Partmann, W 033055
Parvin, P E 038354
Parvizi, N 034671
Pascal, F 037614
Pascal, J C 033124
Pasch, J H 032809
Pasciak, W J 037092
Pascoe, R 039420
Pascu, A 041416
Pascucci, S 035042
Paserin, V 035452
Paseshnichenko, V A 036774, 037223
Pashchenko, I N 038805
Pashchenko, L P 036773
Pashkar', S I 037567
Pasley, J N 034016
Pasquali-Ronchetti, I 038922
Pasquini, A 031154
Pasquino, G 032390
Pass, H 036446, 036453
Passam, H C 032135
Passarge, H 036209
Passos, C 031794, 037983
Pasternak, T A 033461
Pasternak, Y 040366
Pasture, E 041112
Pasupathy, V 036865
Pataky, M 034967
Patanothai, S 038595
Patarinski, N 037532
Patay, S 034549
Pate, F M 034350, 034406
Pate, J S 037530
Patel, A S 038030
Patel, B R 037346
Patel, C S 038025
Patel, H C 037346
Patel, I R 035036
Patel, J A 037346
Patel, J D 032087
Patel, J R 039275
Patel, K A 038034
Patel, R C 039275
Patel, S L 039520
Patel, S M 040930
Pateman, J A 036561
Patenova, G 038451
Paterilo, G A 038786
Paterniani, E 038004
Paterson, H E 039461, 040128
Pates, J L 038184
Pathak, D N 040660
Pathak, M 037455, 037456, 037457, 037458
Pathak, M D 039223
Pathak, R C 033972
Pathak, T C 040658
Pathre, S V 032069
Patil, A V 038296
Patil, S B 038007
Patil, S H 031110
Patil, V A 039169
Patil, V K 040908
Patnaik, A ak 035349
Patnaik, S 040552
Patnayak, B C 034633
Patro, G K 040909
Patrysheva, V D 040135
Pattenden, G 036867, 037026, 037298
Patterson, D S P 033580
Patterson, D T 037143
Patterson, E E 031880
Patterson, G W 037169
Patterson, J T 032073, 032076
Patterson, R 037357
Patterson, R L S 032072
Patthy, A 037336
Patty, R A 039733
Patudin, A V 037675
Patze, D 041676
Patzer, J 037243
Pauer, T 035270
Paul, C 040938
Paul, R G 040013
Paul, W 033846
Paulian, F 039052, 039586
Paulouskaia, Zh I 037004
Paulov, S 034228
Paulsen, H A Jr 038175
Paulson, K N 038280
Paulssen, U 031239
Paul-Urbain-Georges, A 034291
Paulus, K 032747
Paunescu, G 035193
Pautou, G 039436
Pauze, J F 035995
Pavan, M 033730
Pavlenko, A F 036894
Pavlenko, N M 033457, 033479
Pavlinova, O A 037283
Pavliuchenko, V M 034182
Pavlov, A 041007
Pavlov, N 038356
Pavlov, V V 034183
Pavlova, O G 036368
Pavlova, S 038137
Pavlova, T V 036184
Pavlovskaya, Zh I 037115
Pavlovskii, P E 034140
Pawar, S S 039550
Pawlak-Byczkowska, E 033984
Pay, T W F 035025
Payak, M M 038861
Payette, S 037130
Payne, A H 034666
Payne, E 035395
Payne, H S 034758
Payne, R M 036003, 040021
Payne, W J A 033522
Paz, U 038340
Peacock, A J 031077
Peacock, F M 034599
Peakall, D B 039582
Peaker, 034075
Peaker, M 034079
Pearce, J 034399
Pearce, R W 040589
Pearse, R A 031266
Pearson, A M 033131
Pearson, Joanne 032222
Pearson, T A 033885
Peberdy, M F 041615
Pecherskii, M A 033460
Pechoux, P Y 031231
Peck, S B 041665
Peddersen, Raymond B 032706
Pederick, L A 040933
Pedersen, A 037139
Pedersen, E F 041208
Pedersen, E J N 033576
Pedersen, K B 034955
Pedersen, L G 036812
Pederson, R 033961
Pedro, G 040643
Pedziwilk, F 033837
Peed, M L 031825
Peeler, J T 031949
Peeters, G 034160
Pegram, P 032884
Peicher, J 038342
Peillon, M 035021, 035022
Peive, IA V 036734
Peive, YA V 037585
Pejhovska, M 032144
Pek, S L 041627
Pekarek, R S 032451
Pekhtereva, N T 037535
Peled, A 041042
Peles, R 038348
Pelico Filho, S 031265
Pell, P E 039688
Pelletier, G J 038777
Pelletier, S W 036748
Pelltier, J 034693
Peluchetti, D 033963
Pena-Cabriales, J J 040789
Pendery, W E 039267
Peneva, T I 037263
Peng, A C 032887
Peng, F S 033744
Pen'kovskii, V I 041400
Penman, A D M 040357
Penman, S 039872, 039873
Penna, D 035610
Pennanen, V 040629
Penney, B E 034891
Pennisi, L 033368
Pensabene, J W 032011
Pepe, J F 037393
Pepeliankov, G 038355
Pepetun, S I 040727
Pepin, G W 036439
Pequegnat, C 033538
Percival, D H 035746
Perdok, U D 041144
Perea, A 032309
Pereda, C V 031785
Pereira da Silva, L H 037126
Perepeliak, H T 037607
Perepelitsa, E D 037210
Perestenko, L P 035986
Peresypkin, V F 039058
Peretiatko, B T 035815
Peretiat'ko, V G 036640
Pereverzev, D S 039279
Pereverzev, V N 040563
Perez, C 037290
Perez, G 039044
Perez-Oliva, O 035398
Perfanov, G 038135
Perkins, J M 034446
Perkins, R M 031952
Perkins, W E 032078
Perlac, J 035766
Pernes, J 036384
Peron, J Y 038429
Peroutka, M 040310
Perov, M F 035184
Perov, N N 041089
Perova, L I 041089
Perrin, D R 041632
Perrin, R 037133, 038609
Perry, J S 034199, 034658
Perry, R E 031500
Perry, T W 034408, 034415
Persanov, V M 037443, 037583
Person, C 038592
Person, C O 038766
Persoons, E 041328
Persson, G 036699
Pesach, 038631
Pesenko, IU A 040051
Peshkova, V A 036899
Pesotskii, A N 035486
Pessoney, G F 036346
Pestal, E 035698
Pesteanu, V 038118
Pestova, T M 036468
Petek, M 035048
Peter, A 040445
Peteri, R 033511
Peterken, G F 035526
Peters, H 034499
Peters, J W 032815, 032816, 033079

Peters, K 032516
Peters, K H 033003
Peters, L 041621
Peters, P 033377, 033380
Peters, R J 041605
Peters, W 031412
Petersen, G W 040787
Petersen, O H 033959
Petersen, V E 033135
Petersen-Braun, M 039814
Petershon, H J 040420
Peterson, C E 036537
Peterson, C R 032348
Peterson, D M 036438
Peterson, E 035837
Peterson, F J 034443, 034720, 034731
Peterson, J L 038977
Peterson, O H 033937, 033955
Peterson, R J 036439
Peterson, R L 036293
Peteva, Z 034537
Petin, V G 037250
Petit, M 033749, 034295
Petkov, G 040371
Petkov, N 040312
Petkova, G 034533
Petkow, G 034901
Petr, J 038040
Petracek, J 035264
Petrachenok, V I 033479
Petras, M 031257, 040558
Petrat, E P 040936
Petrenko, I A 031374
Petrenko, N I 037414
Petrenko, V V 036869
Petrescu, C D 033573
Petric, B 035776
Petrik, M 034514
Petrik-Ott, A J 036134
Petrishcheva, E A 037701
Petrosian, G P 038960
Petrov, A 037687
Petrov, I 034246
Petrov, I V 040282
Petrov, V S 035256
Petrov, V V 037325
Petrova, A N 037354
Petrova, A S 041207
Petrova, L I 037211
Petrova, O N 034815
Petrovskii, V V 035237, 035976
Petrukhin, S V 033774
Petrukhin, V G 033774
Petruska, J A 033811
Petsche, A 040481
Pette, D 034130
Pettigrew, C J 036114
Pettry, D E 040676
Petukhov, V L 035315
Peveling, E 037207
Pexton, J E 035836
Peyer, E 033467
Pezacki, W 033068
Pfeiffer, H 033674
Pflug, I J 032764
Phadnis, L 032519
Phaff, H J 036817
Pham Than Ho, 036545
Pham The Ke, 034869
Phan, P A 033352
Phelan, J J 032462
Phelps, J E 035703, 035894
Phelps, R J 039842
Phernetton, T 034153
Philip, J R 040776, 040778
Philip, M S 035551
Philip, T E 032085
Philipp, A 032000, 033903
Philipp, B 035728
Philipson, J J 037890
Phillips, A B 040587
Phillips, J H H 038357
Phillips, T L 035955
Phillips, W A 034002
Phillipson, J D 037513
Philogene, B J R 039321
Piana, G 034564, 034881
P'ianov, V D 034487
Piatkowski, B 034499
Piatkowsky, B 034313
Piatrouski, P IA 035922
Picard, D 040954
Picardi, Shirley M 032604
Pichnarcik, J 034944
Pichon, Y 039774
Pichott A, J 040692
Picker, K 037893
Pickett, R C 031875
Picou, D 032326
Picu, I 038114
Pienaar, B J te W N 035125
Pienaar, J G 035126, 035176
Pieniazek, J 035703, 037671
Pieniazek, N J 036726
Pier, A C 035147
Pierce, M 037200
Pierce, R C 041520
Pierce, R H Jr 040618
Pierre, J G 037460
Piest, R F 041180, 041372, 041399
Pieters, A 035676
Pietras, M 034587
Pietzsch, J 040412
Pigache, F 034565
Pigareva, M D 034628
Piglionica, V 039154
Pigott, G M 032850
Pihet, J 032368
Piialkin, V N 035803
Pike, H W 031637
Pikhut, M S 038473
Pikusch, G 038039
Pikush, G R 038191
Pilinskaya, M A 039594
Pilipenko, V G 037623
Pilkington, M W 033180
Pillai, P M 031662
Pillai, S N 036998
Pil'nikova, N I 035819
Pilz, J 036493
Pimenov, M G 035980
Pimpinelli, S 039878
Pimpini, F 038464
Pinazza, A H 037985
Pinchovski, E 040868
Pinckaers, M 035370
Pineda, M H 035071
Pinegger, H 035360
Pineiro, A 034986
Pinevich, V V 037743, 037865
Pinfield, N J 037208
Pingale, S V 033239
Pingel, H 033670, 034836, 034838
Pinilla, N 031970
Pinkau, H 031287
Pinkava, D J 036049
Pinon, J 038612
Pinske, V 033378
Pinsky, A 032978
Pinzariu, D 038117
Pioch, G 033649
Piotrowska, A 033718
Pipart, C 031495
Pirie, N W 032550, 033507
Pirone, T P 038921
Pirozynski, K A 035995
Pisano, M A 037014
Pisarev, V G 039868
Pisarnitskii, A F 033438, 035735
Pisarska, P 040004
Piscator, M 031988
Piskorz, M 039184
Piskov, V B 035235
Piskunov, V I 040052
Pi-Sunyer, F X 032186
Pitikin, A I 035596
Pitirimova, M A 036610
Pitt, D G 041557
Pittle, S M N 031661
Pittman, R A 031958
Pittman, R J 034272
Pitze, M 040632
Piva, A 035449
Piven, N M 036462
Pivnik, L 035378, 035381, 035387
Pizzi, T 039646
Pla, G W 032197
Plakhotnikov, A G 034602
Planck, U 031047
Planell Serra, A de 038239
Plank, M E 035893
Planski, B 033882
Planta, R J 036811
Plapp, F W 039201
Plaquet, R 033798
Plas, A van der 034143
Plasil, S 034948
Platon, M S 038470
Platonov, A V 037232
Platov, E M 034808
Platt, S G 037518
Plattner, R M 041554
Plaut, Z 037518
Plaza, J L 031856
Plazzi, V 037803
Pleva, J 034858, 034950, 034951
Plock, H 038409
Plomp, J 032467
Ploper, D L 036632, 036635
Plotner, K 033139
Plowright, W 035114
Plumb, R T 038880
Plumier, W 041083
Plumlee, M P 034415
Plus, N 039615
Pnevmaticos, S M 035748
Pockrandt-Hemstedt, H 033932
Pocock, D H 035164
Poczopko, P 033719, 033720
Podany, J 034863
Podgaetskii, A A 036467
Podjarny, A 034067
Podliachouk, L 034565
Podo, F 037656
Podol'skii, A S 031130
Podskalny, J M 034112
Poehlman, J M 036702
Poehls, A 031249
Poel, P W van der 033308
Poelaert, J 041079
Pogorelaia, N Kh 033878
Pogoril'ko, N A 038942
Pogosbekova, M R 036673
Pogosian, A O 034180
Pogosian, V A 036832
Pogosian, V S 036280
Pohl, P 034990
Pohlann, R 034834
Pohoryles, S 031198, 031199
Poincelot, R P 037201
Poisson, J 036853
Pokala, R 035616
Pokorny, F 033117
Pokorny, J 032922
Pokorny, V 036311
Pokotylo, I V 036892
Polak, L 031924, 035230
Polakowski, K J 041549
Polenec, A 040151
Polevaia, V S 036911
Polevoi, V V 037589
Poley, G E 033565
Polge, C 034679, 034682, 034699
Poliakov, A F 035597
Poliakov, IU N 041275
Poliakov, IU P 041274
Poliakov, O G 041274
Poliakov, V A 037535
Poliakov, V K 035582
Polianskaia, G G 039757
Polikhronov, D 034874
Polishchuk, L P 032148
Poliza, A 039586
Poljakow, A 032844
Polle O, E 041093
Pollehn, J 031409
Pollhamer, E 037337
Pollhamer, Mrs E 033284
Pollidori, P 034284, 034285, 034286
Pollock, A 040346, 041504
Polonetskaia, L M 036647
Polozhai, V 031391
Polozova, T G 036203
Poltev, V I 040272
Poltrock, E 033672
Poluboiarinov, O I 035805
Poluektova, E V 039756, 039767
Polzenhagen, M 034922
Pomazkova, V A 036771
Pomerantz, D K 034671
Pomeranz, Y 033190, 037466
Pommez, P 033161, 033188
Pomohaibo, V M 037605
Ponce de Leon, P 036009
Pong, T Y 039398
Ponge, J 033669, 033676
Ponomarenko, V P 031396
Ponomarenko, V V 035987
Pont, J J H H M de 033930
Ponta, H 037100
Ponta, U 037100
Ponti, I 038727, 038730
Pontif, J E 034719, 034724, 034726, 034735
Pontovich, V E 036933, 037275
Pool, R R 035410
Poole, R T 038358
Poole, T E 036302
Poole, W S H 035161
Pooler, J P 034063
Pop, I 033573
Popa, G 038121
Popa, M 035192
Popa, V 038144
Popa, V I 036863
Pope, L S 031720
Popea, T 039160
Popenker, R R 032859
Popescu, B 031906
Popescu, E R 041419
Popescu, G 039299
Popgeorgiev, G 038130
Popiela, C C 037200
Popkov, V N 033118
Popluhar, L 035270
Popov, A A 032742
Popov, A V 039964
Popov, F A 038193
Popov, K P 040808
Popov, M P 033147, 037537
Popov, N N 035798
Popov, P 036475, 038179
Popova, I A 037708
Popova, N I 035820
Popova, T E 032718, 040843
Popova, V S 036528
Popova, Z 037553
Popova-Konstantinova, M 036477
Popovich, L 035564
Popovici, D 038145
Popovici, I 035193
Popovych, I A 041127
Popow, A 041162
Popp, H 032133
Poppe, S 033577, 034320, 034397
Porcheron, P 039625, 039743
Pore, J 033105
Pories, W J 034149
Porokhnevich, N V 037576, 040874
Porsch, M 036215
Porsch, S 040939
Porter, D 037133
Porter, J M 032509, 032526
Porter, L J 036067
Porter, S C 032719
Porterfield, R L 035657
Portman, O W 032165
Portune, L 034439, 034441, 034448
Portyanko, V F 037276
Poschacher, G 031405, 031817, 033622
Poschenrieder, G 039599
Poskrobko, B 035830
Posocha, J 034939
Pospeeva, N A 035282
Pospelova, E B 036188
Pospelowa, G 031205
Pospisil, F 037371
Pospisil, Z 035452
Pospisilova, D 036588
Pospisilova, J 037663
Possingham, J 037811
Post, J E 035061
Posza, A E 040950
Potash, M 041293
Potcoava, Z 033573
Potel, D 035931
Potgieter, D J J 039496
Potier, P 037297
Potipaeva, N N 033048
Pototskaia, V A 039714
Potter, J W 038967
Potthast, K 032006, 033066
Pottier, M 032735
Pottinger, R P 039295
Potty, V H 033267
Potutkin, G F 035804
Poulsen, J H 033936
Poulsen, K 032756
Poulter, N 032326
Poulton, J E 037640
Pound, G S 038831
Poutous, M 034571
Povarova, R I 037536
Povoledo, D 040632
Povolny, D 039605
Povzik, M M 038196
Powe, T A 034997
Powell, G R 035643
Powell, J J 032070
Powell, J W 037179
Powell, R L 034580
Power, J W 035350
Powers, E M 032095
Powers, Hugh W. S. Jr. 032160
Powers, R C 031139
Powlson, D S 040649
Poyarkova, N M 037449
Poyser, N L 033836
Pozhidaeva, G A 033342
Poznanski, S 032984
Pozo Pelayo, C del 034552
Praagh, J P van 040194, 040195
Prabha, T N 033270
Prabhakara Setty, T K 039144
Prabhu, A S 038674
Prabhu, P V 032797
Pradel, G 032989
Pradelles, P 039743
Pradhan, K 034279, 034380
Pradhan, S 038987
Pradhan, U C 036102
Pradier, J 031423
Prakash, A 040628
Prakash, C 032974
Prakash, N 038911
Prakash, O 038645, 038688
Prameelamma, Y 035448
Pramila Rao, P 039532
Prange, H 035372
Prasad, C S 040928
Prasad, G C 033969
Prasad, N N 038693
Prasad, N V S K 036991
Prasad, R 038042, 040945
Prasad, R N 036994
Prasad, R R 031832
Prasad, S S 034419
Prasada, R 038642
Prasanna, H R 037053
Prasannappa, G 032418
Prased, M 040982
Prashad, N 033809
Prashad, V L 033965
Prasolova, L A 034178
Prasse, K W 035342
Pratelli, G 040373, 040374
Pratt, H M 037202
Pratt, M A 038563
Pratt, P F 040757, 040768
Pratt, R G 038768
Pravdin, F N 040163
Prazmo, W 036502
Prefontaine, Marielle 032599
Preininger, V 036757
Prentice, N 032720
Preobrazhenskaia, M E 036908
Preoteasa, C 033293
Prescott, L J 041663
Presolska, P 038133
Pressland, A J 037975
Preston, R J 034758
Preston, R L 032168
Preston, S B 035863
Preston, T R 034369
Prestwich, G D 039936
Preul, H C 041565
Preziosi Tamagnini, R 036389
Priban, K 035228
Pribikova, E 038495
Price, C 031428
Price, D H A 041422
Price, D W 038771
Price, P B 033256
Price, R D 040108
Priebe, A 037142
Priebe, K 031994
Priebs, G 033108
Prier, J E 035067
Priest, T C 040786
Priestley, C A 037632
Prieto, C 037958
Prikhod'ko, L S 037863
Prileszky, G 041014
Prileszky, Gy 037884
Prilutskaya, N V 032859
Prim, P 037097
Primak-Miroliubov, V N 037249
Prince, J 039137
Prince, M J 035023
Prince, W T 039799
Pringle, J R 036585, 037107
Prins, A J 039229
Prins, W H 041099
Prior, M G 031977, 035032, 035401
Prior, R L 034410
Prior, R N B 040092
Prischchep, M K 034179
Pristavko, V P 039718
Prister, V S 036691
Pritchett, J A 036454
Pritchett, W L 040895
Pritulin, P I 034630, 035253
Prizenko, V K 033113
Procaccini, F 041225
Prochazka, F 034940
Prockop, D J 033786
Procter, A R 035855
Procter, C H 038928
Proctor, E A 033370
Procunier, W S 039657, 039659
Prodan, V I 040725
Prodanov, I 041033
Progunkov, V V 037146
Prokesova, L 035063
Prokhorov, V M 040739
Prokhvatilov, IU F 035672
Prokop'ev, V N 039498
Prokopy, R J 039618
Pronczuk, J 031122
Propp, L N 036845
Proskuriakova, G F 036735
Proskurina, V L 038208
Proskurnina, N F 036901
Protopopova, E M 036694
Protsenko, Z I 037218
Provine, J 038404
Provvidenti, R 038879
Prozumenshchikova, L T 037575
Prudnikova, I V 036977
Prus-Glowacki, W 037437, 037438, 037439
Prusik, J 032996
Pruss, O H 035277
Pryde, A 039571
Pryde, E H 032858
Pryor, W H Jr 034156
Przala, F 034961
Przala, J 034961
Przekop, F 034543, 034544
Przeszlakowska, M 037534
Przybylska, J 036616, 038014
Przybylski, Z 038781
Przyklenk, M 035839
Przytulski, T 033908
Pszczolla, G 037694
Pshebel'skii, V V 040870
Ptashkin, A A 034491
Pucaric, A 036715
Puchwein, G 033301
Pudek, M F 035882
Puerta Castello, L de la 039413
Puerta Romero, J 038278
Puett, D 033762
Puffenbarger, H E 035557
Puffer, L 039808
Pugh, G W Jr 035030
Pugin, I K 033309
Pukite, A 040637
Pulkrabek, M 034857
Pulles, M P J 037654
Pulli, S K 038598
Puls, E 040438
Puls, R 035396, 035397
Pund, W A 039566
Puolanne, E 033054, 033059, 033071
Purcell, A E 033412
Purcell, J C 038140
Purchase, I F H 032010
Purdom, I F 034598
Puri, K P 033569, 038125
Puritch, G S 037919
Purnasiri, A 039510
Purohit, G R 034278
Purrini, K 039381
Purvulov, B 040263
Purz, H J 035725
Purzycka-Preis, J 033984
Pushkarskii, V G 034187
Pushkina, G P 037424
Pushpamma, P 031082
Puspok, J 033280
Puthz, V 040080
Putnam, J B Jr 036812
Putney, J 032412
Putrament, A 036502, 036727
Puttaswamy, S 038084
Putten, A P J van der 032715, 032716
Puttich, W 040439
Putzka, H A 033278
Puyat, L V 032310
Pyeatt, L E 039121
Pyrcz, J 033068
Pytela, J 033116
Qamar, S 038913, 038914
Quackenbush, G G 031545
Quade, K 035165
Quaglino, R 032390
Quaglio, G 035042
Qualset, C O 036429
Quencez, P 041364
Quennedey, A 039817
Quinn, Patricia O 032204
Quirk, B K 031214
Quirk, W J 036247
Quisenberry, J E 036436
Quisenberry, J H 033975
Qvist, F 033642
Raabe, R D 038616
Raafat, M A 034258
Raastad, N 031105, 033621, 034433
Rabas, P 035230
Rabbi, A 032172
Rabinovich, D 034067
Rabinowitz, M 037243
Rachinskii, V V 037237
Racker, E 037820
Rackis, J J 033252
Raclavska, O 034856
Racusen, D 037201
Racz, G 034886
Racz, L 031461
Racz-Kotilla, E 034886
Radchenko, S I 037266
Radcliffe, E B 036387
Radeglia, R 037178
Rademacher, R 035373
Rader, E 040329
Radford, T J 039723
Radhakrishnamurty, R 032336
Radhakrishnan, A G 032797
Radke, F H 032356
Radkov, D P 037554
Radkov, P 038451
Radnev, R 037552
Radu, M 039299
Radu, O 035192
Radum, A 031892
Radwan, M H 034257, 034258
Radwan, S R H 036381
Rady, M 039092
Radzhabli, S I 034823
Radzhabov, H 037745

Raeymaekers, R 034987
Rafalovskaia, T IA 037227
Raffin, J P 033758
Ragala, P 038746
Raghavan, R S 035998
Raghavan, V 036355
Ragimov, K S 041088
Ragland, S S 039736
Raguraj, R 039534
Rahman, F 039148
Rahman, M A 032463
Rahul'chanka, I V 037463
Rai, P 033966
Raicheva, L 040747
Raikher, Sh G 035254
Raikov, L 040576
Raimond, Y 041072
Raineri, R 032035
Rains, D W 037524, 037525
Rais, J 034948
Raison, J K 036968
Rajagopal, D 039038
Rajaguru, A S B 034387
Rajan, S D 040985
Rajcani, J 034957
Rajendran, V 039116
Rajendranathan Nair, M 032794
Rajhathy, T 036408
Rajki, E 037491
Rajki, S 037447
Rajorhia, G S 032970
Rajtar, V 035377
Raju, E C 037799
Raju, K I 036982
Raju, K S 038548
Raju, V T 031281
Rajukkannu, K 039534
Rakes, J M 032948, 034325
Rakhimbaev, I R 037864
Rakhmanine, P P 035017
Rakhmankulova, M E 037415
Rakhtseenka, I N 037003
Rakicky, P 035270
Rakitin, L YU 037279
Rakitin, V YU 037279
Rakoczy, L 036847
Ralph, C L 033887
Ram, C 038962
Ram, H 041243
Ram, K 038379
Ram, R S 038722
Rama Rao, A V 036988
Rama Rao, P 036031
Ramachandra, K T 031110
Ramachandra Rao, L 035327
Ramachandra Rao, T N 033270
Ramachandran, K 036491
Ramachandran, K S 036985
Ramachandran Nair, A G 036986
Ramachandran Nair, K G 032793
Ramachandran, S 035086
Ramadurai, S 040928
Ramage, E F 034164
Ramaiah, R 041174
Ramakrishna, Y S 040884
Ramakrishnam, G 038779
Ramalingam, A 038681
Ramallo, J C 038934, 038935, 038936, 038937, 038938
Ramamohana Rao, A 034651
Ramamoorthy, N 040985
Ramamurthy, A 031659
Raman, A 039236
Raman, S 040657
Raman, V S 036611
Ramanarayanan, M 036992
Ramanna, R 041016
Ramarao, P 036029
Ramaswamy, G S 040513
Ramaswamy, S 032052, 033395
Ramaut, J L 037931
Ramgolam, R 041237
Ramirez, B U 034130
Ramirez, M A 037290
Ramirez, R 039475, 039487
Ramli, K 041109, 041110
Ramos Carmona, B 038242
Ramos, D E 039324
Rampin, T 035045
Ramsay, D J 034076
Ramsay, W N M 034207
Ramse, D 039403
Ramsey, P H 032939
Ramstad, E 037179
Ramwell, P W 034110
Ramzan, M 039359
Rana, G L 038915
Randall, W 034064
Randell, R L 038587
Randhawa, M S 031851
Ranganathaiah, K G 038705
Rangaswami, G 038683
Rangaswami, S 036987
Rangaswamy, N S 037754
Rango, A 041365
Ranhotra, G S 032310
Ranieri, F 033771
Ranieri, R L 037062
Ranjhan, S K 033993, 034382
Rankin, I B 040227
Rankin, J H G 034153
Rankine, D C 032371
Rankine, Daryl C 032684
Rankov, V 039135
Ranzani, R 033742
Rao, A G 035328
Rao, A T 035328
Rao, A V S 037440
Rao, B Y 032369
Rao, D S 032992
Rao, D V 036110
Rao, E V B 036405
Rao, K K 036946
Rao, K N 036075
Rao, K P 037524, 037525
Rao, M V L 032370
Rao, P V 034389
Rao, R V 032971
Rao, S 036946
Rao, V G 035075, 036024, 036086, 038672
Rao, V K R V 031813
Rao, V N M 033095
Rao, Y S 032054
Raoult, A P D 037826
Rap, S B P 036491
Raphalen, J L 038100
Rapoport, I A 039918
Rapoport, Judith L 032204
Rapp, E 031060
Rapp, K G 034872
Rasched, I 034204
Raschke, K 037200
Rashid, A 040856
Rashid, M A 040628
Rashidov, Kh I 038177
Rasi, G 038234
Rasic, J 033020
Rasin, I M 034168
Raska, K 035273
Raskin, Betsy 032545
Raskova, H 035230
Ras'kova, N V 037602
Rasmusen, W D 031137
Rasmussen, A 033274
Rasmussen, E G 033052, 033618
Rasmussen, G 033644
Rasmussen, W D 031138, 031148, 031931
Rasmusson, R 030997
Rasoanaivo, P 037065
Rasper, W 031237
Rastiannikov, E G 032918
Rastogi, S C 039658
Rastovski, I A 033429
Ratcliff, D 033092
Ratcliffe, R H 039306
Rateau, A 041494
Rath, E 031669
Rathgeb, E 040590
Rathi, Y P S 038912
Rathke, M 031336
Rati, E 038681
Ratliff, J M 036242
Ratnam, B P 031021
Ratomahenina, R 036948
Rattel', N N 037231
Rattotti, M T 033335
Ratushniak, IU M 036935
Ratushnyi, G D 033456
Ratzke, U 031169
Rau, W 036798
Rauch, F D 031467, 038353
Rauchenecker, H 040414
Raupach, M 040905
Rausch, D L 041370
Rausch, W 038502
Rausche, K H 031455
Rauschkolb, R S 041041
Raushenbakh, IU O 034181
Rautenberg, W 034127
Rauter, W 041683
Raveh, J 040672
Ravel d'Esclapon, G de 038430
Ravel, J M 036779
Raven, P H 036487, 036488
Ravkin, A S 037853
Rawitch, A B 033987
Rawls, W J 041306
Rawson, J R Y 036278
Ray, A C 036778
Ray, A J 041612
Ray, L L 036436
Ray, O M 031641
Ray, P G 038641
Rayburn, R D 041659
Raychaudhri, S P 038999
Raymundo, L C 037759
Raynal-Rongere, C 033040
Razoriteleva, E K 036684
Razumova, M V 037900
Razumovskii, P N 037210
Razuvaev, V S 033475
Rea, M A F 035919
Rea, T 041138
Read, M W 034206
Read, R W J 040035
Reade, A E 033503
Reafat, M A 034257
Rebassoo, H 036169
Rebeiz, C A 037638
Rebeiz, C C 037638
Rebhun, W C 033874
Rebourcet, M C 034121
Recalde, L 038243
Rech, A 036697
Rechler, M M 034112
Recknagel, H 035154
Reddi, T V V S 036595
Reddi, V R 036405, 036595
Reddy, A V G 035448
Reddy, B R 033285
Reddy, C C 040248
Reddy, C V 033632
Reddy, D D R 039037
Reddy, G M 036555
Reddy, M B 032962
Reddy, P B 031708
Reddy, P C 032056
Reddy, S M 036030
Reddy, V R 034461
Redington, B C 034995
Red'kin, A K 035799
Red'kina, T V 037120
Reed, G L 039288
Reed, J D 034078
Reed, J H 034893
Reed, L E 031210
Reeds, P 032326
Reeds, P J 032183
Reeves, G W 031724
Reeves, J J 033886
Reeves, J T 034152
Reeves, R D 039041
Reeves, W A 031951, 031957, 031960
Regard, A 040289
Rege, D V 033395
Regitz, G 037021
Regula, E 032861
Rehacek, J 039472
Rehacek, V 040304
Rehbinder, C 035172, 035173
Rehm, G W 041039
Rehm, H J 032155
Reichel, F 034515, 035388
Reichmuth, J 031966, 031967, 031968, 032947, 035004
Reid, D M 037529
Reid, F M H 036032
Reid, G M 032885
Reid, I A 034076, 034154
Reid, J A 040124
Reid, J B 037776
Reid, J D 033184
Reid, M S 039039
Reidy, M 041149
Reiff, M 031824, 040934
Reijnders, L 037649
Reilly, P J A 032135
Reimann-Philipp, R 036720
Reimers, T J 034640, 035071
Reimschussel, U 034838
Rein, H W 031998
Reina, A 041479
Reinecke, B 041409
Reinefeld, E 033310
Reiner, L 038834
Reinert, J 036347
Reinhammar, B 036929
Reinhard, C 033431
Reinhardt, A 034240
Reinhardt, G 035196
Reinhardt, V 034240
Reinhold, J 038307
Reinicke, R 041314
Reininger, H 035630
Reinsel, E I 031583
Reis, R L 034455
Reisch, H 031594
Reisch, J 037185
Reische, W C 039265
Reiss, F J 031743
Reiter, P 039834
Reitherman, R W 036759
Reitmeier, M 031591
Reitz, H J 031567
Rejnek, J 035064
Rejowski, A 037561
Reklewska, B 033717, 033725
Rekos, J 040284
Remm, Kh 040137
Remon, J 041067
Remond, M 035024
Remrod, J 035633, 035637
Renard, H A 037560
Renard, K G 041366
Reneau, R B Jr 040676
Renneh, S 039372
Rennie, W J 038792
Renquist, D M 035142
Rensburg, I B J van 035127
Rensburg, S J van 032010
Renshaw, H W 035031
Rentz, D C 040045
Renwanz, B 035721
Renwick, A G 039537
Renwick, J A A 039406
Renz, F 038371
Reperant, J 033758
Replogle, J A 041177
Repnevskii, V V 040276
Reps, A 032984
Repstad, K 031457, 031459
Rerat, A 034294
Rerikh, V I 040845
Resch, K 038542
Reshetova, I S 040685
Resier, S 032412
Resl, Z 035264
Resnick, J S 035343
Resnik, E 040480
Respsold, C A 041361
Ressin, E 034575, 034577
Rettura, G 032277
Retzlaff, R E J 031500
Reule, E 031342
Reuss, J O 040677
Reuss, U 033647
Reuter, H 033077
Reuther, W 038894
Reutskaia, L M 038732
Revels, R 039721, 039722
Rexen, F P 033590
Rexilius, L 033310
Reynaert, R 034160
Reynolds, C S 036831
Reynolds, N B 036136
Reynolds, S G 038562
Reynolds, W L 034439, 034442, 034445, 034448, 034736
Reynoso, Z 032309
Rezende, P S de 031582
Reznik, H 036792
Rhoads, A F 039017
Rhodes, A P 037470
Rhodes, D 037242
Rhodes, P L 033175
Rhodes, P M 036565
Rhodes, Ronald J 032572
Riabinin, N A 039695
Riasinskii, IU 041007
Ribas-Marques, I 035784
Ribbeck, R 039490
Ribbecke, H 040331
Ribereau-Gayon, J 033316, 033317
Ribi, W A 040216
Rible, J M 040757
Rice, E W 035175
Rice, N 041308
Rice, R C 040671
Rich, P R 037304
Richard, C 035645
Richard, J L 035147
Richard, J M 033819
Richard, L 040962
Richard, Y 041640
Richards, G N 038817
Richards, G P 040218
Richardson, E V 041368
Richardson, N 033871
Richardson, R H 039891
Richmond, A E 037480
Richter, H 040431
Richter, I 031337
Richter, K H 031249
Richter, L 031895
Richter, O 033903
Richter, P 038302
Richter, W 038312
Richter-Landsberg, C 034114
Rick, C M 036485
Rickard, M D 035094, 035096
Rickey, R G 037940
Riddiford, L M 039296
Ridenour, W J 041659
Rieck, H 033669
Riedel, H 031289
Riedler, R 031038
Rieger, U 031685
Riehle, W G 036434
Riek, E F 040145
Rieke, P E 037822
Riemann, M J 031678
Riemsdijk, W H van 041018
Ries, S M 038994
Riffaldi, R 040559, 040868
Riger, A N 038200
Riggin, R M 033413
Riggio, R F 041294
Riggs, D W 031603
Riggs, S A 036137
Riggs, W A 034975
Rikin, A 037480
Riley, J G 034418
Rinaldi, N 034656
Rinaudo, M 033295
Rindge, F H 039982
Ringoet, A 037801
Rings, R W 039322, 039361
Rink, T J 034072
Rio, M E 032406
Riotte, R J 041550
Rioux, J A 039983
Ripley, E A 036247
Ripley, W A 034918
Ripoll, P 040217
Rishbeth, J 038565
Risley, Todd R 032511
Risse, S 034307
Rissmann, E 040325
Ritcey, R 034352
Ritchey, S J 032507
Ritchie, B C 034009
Ritchie, E 037893
Ritchie, J C 041394
Ritter, S 034497
Rittmannsperger, F 034360
Ritzmann, F 040436
Rivard, I 039353
Rivella, E 033327
Rives, M 036374
Rizvanov, A M 038471
Roach, S W 032739
Roard, D 036860
Robaeys, G van 034990
Robakidze, Z V 037270
Robb, J 038590
Robbelen, G 036718
Robberecht, J 031383
Robberechts, J 031384
Robbers, J E 037012
Robberson, D L 034584
Robbins, G E 032302
Robbins, G S 037466
Robbins, P W 033855
Robbins, R K 034664
Robbins, R R 036351
Robelin, J 033039, 033040
Robenek, H 037207
Roberson, R 031046
Robert, C 033546
Robert, G 038086, 038089
Robert, K H 031988
Roberts, B 039630, 039631
Roberts, B A 038959
Roberts, E A 031746
Roberts, E J 033162, 033163, 033178
Roberts, J A 035089, 035090
Roberts, R 033526
Roberts, S 041044
Roberts, S R 034895
Roberts, T M 036861
Robertson, A 036322
Robertson, D R 031439
Robertson, D V 031140
Robertson, E J 033405
Robertson, G I 038750
Robertson, J A 033217, 033271
Robertson, L S 040557, 040788
Robertus, J D 037242
Robes, B 034945
Robeva-Davidova, P 036931
Robey, M 038334
Robinson, D J 038918
Robinson, D W 034648
Robinson, F R 034911
Robinson, J J 034402
Robinson, J M 032464
Robinson, J W L 033891
Robinson, M J 034013
Robinson, R R 039330, 039331
Robinson, W B 033322
Robson, S 031501
Roca Cifuentes, E 034973
Rocca, C 032299
Rocchetta, R 031947, 033335
Roche, J F 034692
Rochow, J J 040669
Rock, C O 033764
Rockenbauer, A 033702
Rocknee, R C 032188
Rockwell, R F 039664
Rodchenko, O P 037587
Rode, H 038979, 038980
Rode, M 034117
Rodel, W 033061, 033062, 033063
Rodendorf, B B 040074
Rodgers, P E W 032032
Rodhain, F 039443
Rodieni, P 037955
Rodionov, V N 040879
Rodopulo, A K 033339, 033441
Rodrigues-Pereira, M A Q 039734
Rodriguez, B 037158
Rodriguez Barrio, J E 031535
Rodriguez, D B 036775
Rodriguez, F B 032853
Rodriguez, M L 037296
Rodriguez, P H 039476
Rodriguez Rey, J C 038082
Rodriguez-Kabana, R 038991
Rodriguez-Navarro, A 032721
Rodskjer, N 037591
Roelofs, W L 039781
Roer, H F 035968, 036336
Roer, P 040354
Rofaeel, I S 037691, 037692
Rogatykh, N P 036916
Rogel, A 031382
Rogers, D 037180
Rogers, G B 031901
Rogers, J D 038764
Rogers, R H 031210
Rogers, R W 039566
Rogez, J C 033798
Rognon, F 038422
Rogov, I A 041117
Rogov, I E 038205
Rogovin, S P 037549
Rogovin, Z A 035722
Rogozenski, J G 032239
Rogulin, V G 035800
Roguski, W 038217
Rogut, V S 037842
Rohacek, A 038558, 041672
Rohacek, J 039980
Rohde, E 034323
Rohfritsch, O 039231, 039294
Rohr, A 034829
Rohr, K 034331, 034332, 034334, 034338, 034340, 034529
Roistacher, C N 038894
Roitbak, A I 033711
Rojas, X 035196
Rokitskii, P F 039925
Roktanen, L S 040809
Rold, T L 037174
Rolland, Y 036853
Rollandi, G 032391
Rolle, M 033033
Rolli, K 039082
Rollier, M 037460, 037461
Rolston, D E 041041
Rolz, C 033449
Romagnoli, A 035300
Roman, G 041054, 041414
Romanenko, V I 033302
Romanenko, V P 035277
Romani, R J 037805
Romano, B 036389
Romanov, I I 033459
Romanov, N 031344
Romanova, E N 036203
Romanova, YU M 036674
Romanovets, E S 033442
Romanovich, T N 035248
Romanow, S 041598
Romanyuk, L I 041097
Romashkevich, A I 040609
Romashkina, M P 039930
Rome, J M 034446
Romer, H 039890
Romkens, M J M 041181, 041185
Rommel, M 035287
Romondt, R von 031917
Romosos, D R 033869
Romuad-Robert, C 037995
Ron, M 038989
Ronald, W P 038931
Roncedo, L R 038934, 038935
Rooney, K R 037485
Rooney, L W 033566
Roos, A 039581
Roos, C J 034907
Roos, G 039942
Roose, E J 040960
Root, R G 034738, 034913
Ropot, V P 033460
Rosa, W 035592
Rosati, P 040486
Rosca, M 037189
Rosca, O 040287
Rose, A B 039985
Rose, A H 037101
Rose, C W 031755
Rose, D J W 039821
Rose, D P 032176
Rose, G 031248
Rose, I 031605
Rose, M E 035181
Rose, R 037811
Rosegger, S 031264, 031347, 034341
Rosella, E 040335

Rosen, B 032978
Rosen, H 035422
Rosen, J M 034583, 034642
Rosenberg, C 039142
Rosenblatt, L S 033910
Rosenstein, E 031857
Rosenthal, R D 033225
Rosentrager, W 034496
Rosenwald, R H 041628
Rosevear, P E 032244
Rosgen, D L 041396
Roshchina, V V 037866
Rosini, G 033337, 033338
Roslova, A 032754
Rosner, A 036760
Ross, D J 040702, 040793
Ross, R A 037941
Ross, S A 040375
Rossell, J B 032856
Rossi, A 033242, 041163
Rossi, C 035046
Rossi, J 032943, 032944
Rossi, N 040862, 040867
Rossi, P F 033446
Rossignol, M 037825
Rossler, E 031331
Rossmann, M G 038924
Rossner, H 040323
Rosswall, T 036201, 036204
Rosswall, T ed 036202
Rotar', A I 037567
Rotaru, V 033289
Rotenberg, S 034528
Rotermund, H 033669
Roth, B 039541
Roth, F X 034527
Roth, H P 034308
Roth, I 033430
Roth, J A 041633
Roth, S 033865
Roth-Maier, D A 034525
Rothschild, M 039835, 039897, 039899
Rotilio, G 034137
Rotini, O T 031010, 040559, 040868
Rott, R 035133
Rotundo, G 039315
Rougeul-Buser, A 033708
Rouse, E P 039447
Roussel, N 041078
Routh, C A 033767
Routledge, H 035609
Rouvet, J C 041328
Roux, J B 037996
Roux, M 033038, 033607, 034287
Roversi, A 037836
Rovesti, P 033363, 033364
Rovira, A D 036219
Rovner, I 036061
Row, L R 037300
Rowan, C M 032889
Rowe, P W 041586
Rowland, S P 033166
Rowlands, G J 033994
Rowlinson, P 034560
Rowson, L E A 034682, 034702
Roxas, D B 034378
Roxas, N P 034378
Roy, A K 038700, 039084
Roy, B R 032083
Roy, G 033041
Roy, H 037357
Roy, N C 033268
Roy, R P 036717
Royo Iranzo, J 033362
Rozanov, B G 041254
Rozhkova, L A 039718
Rozhoni, I I 034238
Rozov, N N 040601
Roztocil, V 034949
Rozynov, B V 040688
Rubanovich, A V 036514
Ruben Prette, I 038082
Ruberte, R 033416, 033417
Rubery, P H 037049
Rubic, W J 035060
Rubilina, N YE 040829
Rubin, A B 037442
Rubin, B A 037574, 037588, 037684, 038605, 038807
Rubin, G M 037108, 039671
Rubin, H 034047
Rubin, L J 031844
Rubinshtein, G V 037960
Rubio-Lightbourn, J 032201
Rubtsov, P M 037282
Rubtsova, L P 040607
Ruby, E C 041373
Ruchirawat, S 037288
Ruchkovskii, B S 033483
Rud', G IA 041086
Rude, H 035429
Rudel, M 038995
Rudenko, A V 035247
Rudich, L V 032485
Rudichenko, E P 040870
Rudiger, W 036799
Rudnicka, A 037499
Rudnicki, R M 037671
Rudskikh, T A 034243
Ruebenbauer, K 036499
Ruebenbauer, T 036499, 036617
Ruelle, J E 040101
Ruesink, W G 039259
Ruff, J F 041374
Ruffet, G 034566
Ruggieri, G 032903
Ruhe, H J 033579
Ruhl, 040204
Ruhnke, H L 035037
Ruinard, J 031131
Ruitenberg, E J 035118
Ruiz, A V 034128, 034129
Ruiz de Castroviejo, J 037956
Ruiz, S M 033869
Ruiz-Argueso, T 032721
Rukhvarger, L I 031374
Rukmansky, G 036470
Rulevskaia, N N 040877
Rumiantseva, G N 037213
Rummel, D R 036436
Rumpenhorst, H J 039025
Rundell, J W 034725
Runkova, L V 036915
Runyan, J L 031687, 032722
Rupp, G 031250
Ruppenicker, G F Jr 033183
Ruppert, H R P 031922
Rusan, V 036863
Rusanova, G V 040817
Rusanova, T V 032717
Rusek, J 040153, 040710
Rusev, V 034532
Rushdi, M 038560
Rushforth, S R 035956
Russa, R 040554
Russell, B J 033849
Russell, F E 032134
Russell, G B 037932
Russell, G E 038566
Russell, R G G 033844
Russell, W A 039288
Russell, W S 033740
Rust, D J 039229
Rust, R W 039709
Rusu, C 040287
Ruszkowska, M 037497, 037507
Ruth, P 031404
Ruth, R H 041671
Rutherford, F 035007, 041476
Ruths, D W 032889
Rutkowski, A 038096
Rutkowski, B 035621
Rutledge, E M 040764, 040765
Ruttan, V W 031878
Ruttloff, D 034429
Ruyter, A de 037801
Ruzieva, R Kh 037660, 037703
Ryabchuk, V A 036771
Ryabov, G G 036691
Ryadchikov, V G 033501
Ryan, D 034107
Ryan, Mack 032587
Ryan, R 037243
Rybakova, E P 032498
Rybczynski, J j 037436
Rybin, V F 031376
Rybina, L M 039243
Rychkova, T A 037569
Rychtarik, J 031225
Ryden, B E 036201
Ryden, R J 037245
Ryker, L C 039708
Rymo, L 037057
Rypacek, V 035700
Rypackova, M 035700
Rysanek, M 034859
Rytterstedt, P 040887
Ryugo, K 037203, 037729, 038367
Ryvarden, L 036091, 036092, 036095, 036161, 036165
Ryzhilo, L E 035596
Saa, J M 037064
Saacke, R G 034664
Saadeh, Ibrahim Q 032252
Saakova, S G 036678
Saakyan, M S 037581
Saalfeld, F E 041680
Sabadie-Pialoux, N 033823
Saben, H S 033535
Sable, H Z 036781
Sabol, M 035382, 035383
Sabry, Z I 031842
Sachs, R M 037203
Sachs, T 037818, 038866
Sacht, H J 031997
Sackner, M A 034013
Sacktor, B 039770
Sadanandam, Y S 038838
Sadavongvivad, C 037288
Sadecky, E 034959
Sadeh, D 038545
Sadek, M M 036382
Sadik, A F 034629
Sado, T 033288
Sadon, T 038583
Sadowski, J 039150, 039151
Sadykov, P T 037596
Sadykov, S Zh 035234
Safarov, I S 035983, 036180
Safarov, R K 035249
Safran, B 036404
Sagi, K 041223
Sagl, W 040566
Sagromsky, H 037444
Saharan, G S 038686
Sahi, B K 038034
Sahi, B P 040982
Sahni, S K 033266
Sahni, S S 038656, 038722
Sahota, T S 039383
Sahu, B N 040923
Sahu, S D 031449
Sai, Fred T 032254
Saibaba, P 034652
Saidburkhanov, F 038075
Saienko, IU O 033585
Saika, A 032201
Saiko, A A 034177
Sain, K 037954
Saini, A S 035321
Saini, R S 041056
Sainsbury, M 037172
Sainte-Marie, G 033744
Saito, E 039579
Saito, I 035013
Saito, T 033499, 035137
Saito, Y 031126
Saivaraj, K 039287
Sajgo, M 033703
Sakagami, S F 040107, 040242
Sakaguchi, K 037254
Sakaguchi, T 034097
Sakai, H 038887
Sakai, M 039999
Sakamoto, I 032869, 037069
Sakamoto, Y 034080
Sakanoshita, A 035012
Sakarai, S 035351
Sakaveva, R F 032896
Sakharov, IU I 032918
Sakharova, T A 033474
Sakharova, V I 040879
Sako, S 035423
Sakovich, I S 036514
Saksena, H K 038658, 038661
Saksena, S B 038640
Sakuma, Y 034555
Sakurada, I 035724
Sakurai, N 037074
Salamatova, T S 037589
Salanki, I 033219
Salatenko, V N 038559
Salazhov, E L 035244
Salem, M S 037948
Salem, S A 033318
Sales, K D 031982
Salfeld, J C 040638
Salgues, M 033443
Salih, O M 033471
Salimgareev, Sh IA 041133
Sal'kova, E G 033440
Sallam, L A R 036997
Salman, A G A 039262
Salmanov, A B 040738
Salmanova, L S 033148, 033152
Sal'nikov, A I 037538
Salutini, E 035300
Salvatori, L 037839
Saly, A 040569
Saly, O 035385
Salzer, U J 032790
Samadashvili, M N 037577
Samadi, M 037727
Samanen, J M 037060
Samejima, T 034026
Samiev, Kh S 037426, 037566
Saminadin, G 034291
Sammy, G M 032808
Samoilenko, L I 036890
Samoilova, T S 040792
Samokhin, V T 034230
Samokhina, O V 037214
Samorodova, N I 037271
Sampath, S R 034381
Samperi, R 032789
Sams, D W 036387
Samson, M F 033146
Samson, R A 036151
Samsonov, M A 032488
Samsonova, M G 036516
Samuels, G J 038752
Samuelson, D A 036294
Samuelson, K R 035634
Samuilov, F D 036914
Samuleva, S V 034169
Sanaev, N F 036642
Sanahuja, J C 032406
Sanchez Belda, A 033603
Sanchez-Raya, A J 038243
Sandakhchiev, L S 037271
Sandalov, B G 041132
Sandek, L 040411
Sanders, C L 033911
Sanders, D J 034078
Sanders, J P M 036592
Sanders, M B 032108
Sanders, T M 034021
Sanderson, K C 037732
Sanderson, W B 033015
Sandev, S G 034533
Sandh, G 034843
Sandhu, K S 038652
Sandhu, R S 036991
Sandhu, S S 038722
Sandhu, T S 035039
Sandland, R L 031748
Sandler, K 040328
Sandol, P R 031094
Sandoz, M 032132
Sandri, S 037287
Sandstead, H H 032275
Sandstedt, N 031883
Sandu, G 041050
Sandved, G 037714, 038328
Sanger, G 034078
Sanguina, A 037378
Sangwan, R S 037775
Saniewski, M 035703
Sanjur, Diva 032378
Sankhla, N 037611
Sankowsky, G 039628
Sannan, F 033621
Sano, K 033141
Sano, Y 033769
Sansavini, S 038384
Sansing, G A 035419
Sansone, F M 034068
Santa, Mrs I 031626
Santarelli, E 034984
Santarius, K A 037817
Santha, I M 032967
Santos, J B dos 035786
Santos, J M 039852
Santos, O S dos 038005
Santra, S 035887
Sanwal, G G 039134
Sapetti, C 040561
Sapis, J C 033316
Sapozhnikov, D I 037708
Sapozhnikova, F D 039726
Saraogi, K N 038035
Sarapul'tsev, I A 034168, 034243
Saraswat, G G 040115
Sarbhoy, A K 036026
Sardi, G 034290
Sardido, M L 031471
Sareen, K 041339
Sargeant, V A L 033521
Sargent, R L 031900
Sari, H 033820
Sarin, K 039433
Sarin, M N 037615
Sarinana, A 035924
Saringer, GY 039249
Sarishvili, N G 037212
Sarkanen, K V 035861
Sarkar, D 033971
Sarkar, S K 034384
Sarkisian, E M 037666
Sarkisian, M K 040054
Sarkisian, S A 036282
Sarkisova, M M 037665
Sarma, S K 040358
Sarma, Y S R K 036316
Sarnatskaia, V V 037875
Sarojini, S 039800
Sarpe, N 039158, 039161
Sarpeshkar, A M 040513
Sarra, C 032392
Sarrazyn, R 039186
Sarsenbaev, K N 038976
Sarti, D M 034284, 034285
Sartz, R S 041385
Sarychev, IU F 036510
Sarydzha, L Kh 040542
Sasaki, K 031371, 031722, 035016
Sasaki, S 033769
Sasaki, Y 034348, 035121, 039529
Sasmal, N K 034646
Sasner, J J Jr 032068
Sass, W J 040996
Sassa, T 037007
Sasser, M 038365
Sastrapradja, S 038276
Sastry, A P 035327
Sastry, K N R 041016
Sastry, K N V 035325
Satake, T 036041
Sathe, A V 036028
Sathe, B S 031902
Sato, A 035307
Sato, J 034556
Sato, K 033933, 034026, 039423, 040491
Sato, R 034032
Sato, S 036852
Sato, T 037006, 037544
Sato, Y 032065, 036729, 036732, 040712
Satoh, H 036809
Sattar, A 032953
Sattur, P B 038838
Sauberlich, H E 032284
Sauer, H W 036930
Sauer, K 037697
Saunders, D S 039912
Saunders, R A 041680
Saunders, R J 035715
Savagaon, K A 032902
Savage, G 041501
Savchenko, A D 041274
Savchenko, A F 033049
Savchenko, G E 036977
Savchenko, I F 040543
Savchenko, N I 036466
Savchenko, S P 036713
Savchuk, D I 040393
Savich, M S 037423
Savige, W E 032723
Savina, M A 034632
Savion, N 033947
Savitskaite, D V 037342
Savitskii, V F 034820, 034821
Savolainen, E 040129
Savolainen, K 032920
Savunova, M I 033991
Savve, V D 038940
Sawamura, M 032201, 037757
Sawanobori, S 038399
Saward, D 041510
Sawaya, P 035446
Sawicki, J 038097
Saxena, B P 039493
Saxena, M C 037334
Saxena, P N 039002
Saxena, R K 038718
Saxena, S C 039433
Saxena, S K 038711
Saxton, J E 036741, 036749, 036750, 036751
Saxton, K E 041043, 041374, 041399
Saya, A 034067
Sayed, I F 034551
Sayre, G 035925
Scaife, M A 038389
Scandalios, J G 037356
Scanes, C G 033907
Scanlon, D H 038253
Scaramuzzi, R J 034641, 034700
Scarascia Mugnozza, G T 036558
Scarisbrick, D H 038388
Scarpace, F L 031214
Scarponi, L 039526
Scarsbrook, C E 040594
Scatozza, F 035222
Scavia, D 041540
Scawen, M 034209
Schachl, M 032136
Schadeberg, S 040422
Schaefer, F L 041334
Schaefer, H 039337
Schaezler, D J 041324
Schafer, E 037791
Schafer, U 039755
Schaffer, N K 036101, 038423
Schaffer, W M 036967
Schagdarsuren, S 033548
Schaik, T F S M van 032472, 032475
Schaller, C W 037987
Schaller, E 036864
Schalm, O W 035314
Schalscha, E B 040768
Schamurin, V F 036203
Schardt, C 041413
Scharf, U 040442
Scharpenseel, H W 040630
Scharringa, M 031103
Schaub, W 033033
Schaubhut, C W Jr 035337
Schauff, M 032120
Schedl, K E 040144, 040160
Scheetz, W 036346
Schei, B 036237
Scheibe, R 037696
Scheifinger, C C 033754
Schein, E 039517
Scheld, H W Jr 037047
Schendel, 040916
Schenk, O 031382
Schenk, R 033844
Schenone, H 039647, 039648, 039992
Schepens, J 039437
Scheper, J 033074
Scherer, C W 034734
Scherer, H 034133
Schermbrucker, C G 035025
Schertz, L P 031809
Scheunemann, H 032002
Schiavo, A 035221
Schiebe, F R 041394
Schieder, O 036716
Schiefer, B 035399, 035400
Schieferstein, E 040202
Schiff, J A 036969
Schiff, M J 040516
Schiffmann-Nadel, M 038623, 038624
Schiffner, E 032883
Schild, G J 034337
Schiller, H 034849, 041115
Schillhorn van Veen, T 034994
Schilling, G 037081
Schilling, N 037303, 037696
Schilling, P E 034438
Schimke, R T 033778
Schimming, J 031246
Schindler, D 037104
Schinowsky, H 040353
Schintee, C 041418
Schipper, I A 034586
Schiroslawski, W 040432
Schiweck, H 033311
Schlaak, G 031248
Schlachl, R 038176
Schlaegel, B E 035627
Schlage, M 033577, 034397
Schlamowitz, M 033704
Schlaszus, H 033055
Schlater, J D 031127
Schlau, W 031052
Schlegel, R 036395
Schlegel, W 034752, 034753, 034754, 034755, 034756, 034835
Schleidt, W M 033897
Schlein, J 039897, 039899
Schleitzer, G 031380
Schlenker, R A 033914
Schlesselman, J 039104
Schlessinger, J 032833
Schliebner, H 031330
Schlosser, E 038845
Schlunsen, D 031263, 031264, 034341
Schluter, Gerald 032528
Schluter, H 034927
Schmadlak, J 037643
Schmalfuss, R 033138
Schmalle, H 037792
Schmer, G 033780, 033781
Schmerler, J 041002
Schmid, A A 031774
Schmid, H 033922
Schmid, H H O 033795
Schmid, J M 039946
Schmid, P 033432, 033434
Schmid, P G 034010
Schmid, R 036356
Schmidle, A 039078
Schmidt, A 035362
Schmidt, F 041165
Schmidt, G 038310
Schmidt, G M 035342
Schmidt, H 031102
Schmidt, H H 038982
Schmidt, H J 031381
Schmidt, J 033921, 040396
Schmidt, J W 036411, 038093, 038094
Schmidt, L 036198
Schmidt, P 033677
Schmidt, S 038265
Schmidt, W A K 035291
Schmidtke, R F 041452
Schmidtlein, H 033485, 033487, 033488
Schmied, O 032879
Schmitt, M 040231
Schmitz, J A 035346, 035369
Schmoldt, P 033669, 033676
Schmuckenschlager, J 038411
Schnaider, Z 035505
Schnee, M 040914, 040918
Schneider, G 033313
Schneider, H A W 036794
Schneider, L 039790
Schneider, M 031770
Schneider, Madelin 032659
Schneider, R 033466
Schneider, R E 039018
Schneider, U 034308
Schneider, V E 031394
Schneller, J M 036824
Schneyer, C A 033948
Schneyer, L H 033935
Schnitzer, M 040623, 040799
Schnoes, H K 032215, 034035
Schnopfhagen, S 039377

Schnurrbusch, U 034749, 034751
Schobel, J 040321
Schobinger, U 033466
Schobl, R 041003
Schoch, R 040947
Schoenaers, F 034988, 034992
Schoenfeld, P H 037929
Schoental, R 035409
Schoffling, H 038532
Scholte, H R 033808
Scholtyssek, S 034299
Scholtyssek, S ed 034300
Scholtzhauer, W S 032852
Scholz, H 031431, 034747, 034748
Schomer, H A 033387
Schon, H 039690
Schon, I 031589
Schon, L 032007
Schonbeck, F 038840
Schonberg, G 040940
Schonborn, W 032118
Schone, H J 032049
Schonfelder, P 036044
Schonhard, G 039077
Schontzler, J G 041579
Schopf, J M 036131
Schopow, K 033932
Schoppe, J 041451
Schoppee, M M 033106
Schornick, J C Jr 041334
Schothorst, M van 032088, 035214
Schotz, M C 033791
Schotzig, E B 040936
Schouten, W 032467
Schovanek, V 035230, 035275
Schrader, H 031578
Schramek, S 034959
Schramm, M 033947
Schramm, R 034579
Schratt, H 031818
Schreiber, L R 038364
Schreiber, P 041446
Schreiber, S P 031952
Schreiber, U 034574, 036808
Schreiner, E 033280
Schreiner, G 031793
Schreuder, G F 035614
Schreurs, V V A M 033812
Schriefers, H 034055
Schroder, H 040325
Schroder, J 036787
Schrodt, G R 034069
Schrodter, H 037564
Schroeder, J G 035626
Schroeder, J P 034595
Schroeder, M H 039946
Schroer, W D 039953
Schubert, E 039099
Schubert, H 031341
Schubert, R 034318, 034319
Schuberth, B 035355
Schuberth, G 035355
Schuberth, R 031403
Schuddeboom, L J 032470
Schuhmann, G 039081
Schulbach, H 040860
Schuler, A 035555, 039215
Schulke, B 034311, 034312
Schulte, H 034307
Schulte, J R 041066
Schulte, K H 041449
Schultz, M G 032031
Schultz, R D 035050, 035061
Schulz, B 033044
Schulz, I 033961
Schulz, J 035364
Schulz, K 041357
Schulz, K H 037792
Schulz, M 041521
Schulz, S 038322, 038323
Schulze, E 033579
Schulze, J 040008
Schulze, W D 035362
Schulz-Luchow, W 031181
Schumacher, H 033297, 033673
Schumaker, R 036236
Schuman, G E 041043, 041180
Schumann, F 036538, 038369
Schumann, H 039490
Schumann, S 031338
Schuphan, W 037823, 037824
Schupp, A R 031275, 034436
Schuricht, R 033375, 038319
Schurig, M 040465
Schurz, J 035729, 038550, 038551
Schuster, D 034902
Schuster, S M 033763, 033767
Schut, B 039061, 041101
Schutt, I 035354
Schutte, A P 035126, 035176
Schutze, A 040424
Schutze, C 034837
Schvok, E 032483
Schwartz, R 034145
Schwartz, R P 032689
Schwartzkopff, J 039890
Schwartzman, R M 034049
Schwarz, K 040439
Schwarz, K G 038372
Schwarz, W A 034322
Schwarze, D 034752, 034754
Schwarzel, E 040206
Schwarzman, B E 034219
Schweigert, Bernard S 032671
Schweikle, V 041212
Schweisfurth, K L 033076
Schweitzer, D L 035657
Schweizer, P 039900
Schwemer, J 039792
Schwendiman, J 036418
Schwiderski, H 033672
Schwinghamer, E A 037052
Sciortino, A 038462
Scobie, G M 031846
Scollay, R G 035006
Scolnick, E M 035134
Scott, D 034159, 034161, 037128
Scott, D W 035103, 035338
Scott, G E 038599
Scott, G R 035086
Scott, H D 041038
Scott, J E 036444, 037997
Scott, M L 032269, 035323
Scott, P P 034367
Scott, P R 036503, 038821, 039103
Scott, R A 040589
Scott, R H 041670
Scott, R K 037496
Scott, T M 038619
Scott, W R 037485
Scotti, P D 039851
Scotton, M 031427
Scoullar, K A 036187
Scragg, A H 037132
Scratcherd, T 033944
Scriban, R 032906
Scriven, G T 039343
Scruggs, C G 031907, 033659
Scudder, T 031066
Scukanec, V 035776
Scully, A M M 039654
Sdobnina, L I 035980
Searle, P L 040704
Sears, W D 041381
Seas, S W 032961
Seaton, R D 038792
Sebastian, J 032079
Sebastian, R 033315
Sebesta, E E 036446
Sechser, T 035230
Sediakov, V 031345
Sedman, Y S 040038
Sedova, N N 032147
Sedykh, N V 037264
Seebach, D 037082
Seeley, J G 038297
Seelinger, G 039950
Seemuller, E 039078
Seethalakshmi, S 031081
Seferian, E S 033829
Segal', A N 034248
Segal, L 031960
Segal, Y 040366
Segarceanu, O 039161
Seginer, I 041282
Segler, G 040398
Seguin, J J 033997
Sehgal, K 033282
Sehgal, S 035078
Sehgal, S P 038670
Sehm, E 036493
Seibel, W 032026
Seichertova, O 036311
Seidel, K W 035693
Seidl, V 038981
Seidlova, F 036762
Seidov, A P 041088
Seidova, Kh K 041088
Seifter, E 032277
Seiler, K 033235
Seim, E C 040670
Sekhon, H 034454
Sekhon, H S 037762, 038127, 038678, 039165
Sekhon, I S 038907
Sekino, T 035121
Selby, L 033224
Selezneva, P P 034624
Seligman, N G 037136
Selim, A K A 036378, 036379
Selim, H A 038293
Selinger, P 034855
Selinger, Z 033947
Seliskar, C E 038917
Selivanov, N N 040534
Selivanov, V I 033473
Selkirk, D R 036121
Sellier, P 034570
Sells, D M 035066
Selman, B R 037694
Selvaraj, J C 038710
Selvey, Nancy 032361
Semb, George 032598
Semba, R K 034029
Semenov, I 038073
Semenov, I L 037425
Semenova, E I 034178
Semenova, L I 037235
Semikhnenko, P G 038200
Semikhov, V F 037344
Semin, V S 036940
Semion, V P 035466
Semple, E W 033800
Semyonova, G A 036540
Sen, A K 033800
Sen, C 038716
Sen, D N 036722, 036945
Sen Gupta, P K 038839
Sen, P K 031850
Sen, S 036006
Senatorova, T P 036826
Sene, F M 039901
Senesi, E 032990
Seng, W 040377
Sengonca, C 039261
Sengupta, K 038029
Sengupta, P C 040920
Sengupta, S R 038906
Seno, H 032200
Sensenbrenner, M 033892
Senter, S D 038359
Sentsova, O YU 037121
Sequi, P 040663, 041600
Serchi, G 031422
Serezat, M 034294
Sergazin, S 033556
Sergeev, N I 035203
Sergeev, V A 034809
Sergeeva, K V 032490
Sergeeva, O IA 038212
Sergeeva, T K 039976
Sergeeva, V D 034809
Sermann, R 040942
Serov, O L 034626, 034819
Serra, J M 040626
Serur, J R 034116
Seshadri, T R 036983
Seshan, K N 033187
Sessa, D J 033252
Sestak, Z 036539, 037742
Seth, M L 038679
Seth, P K 037755, 037756
Setlik, I 036829
Seto, S 037763
Sevcik, B 034516
Sevcik, L 040299, 040300
Seveus, L 038923
Sevick, L 034783
Sewpersad, R 031917
Seybert, D W 034042
Seymour, C 039832
Sforza Fogliani, C 031787
Shabalina, A 033883, 034608
Shabanov, V V 041271
Shabanova, E A 036527, 037122
Shabi, E 038630
Shafer, E L 031194
Shaffer, G A 041329
Shaffer, M J 040770
Shafikova, R A 035202
Shafizadeh, F 037175
Shafshak, S E 037948
Shah, A H 039326
Shah, B G 032404, 032410
Shah, H M 036998
Shah, J J 036262, 037799
Shah, P P 032190
Shah, S K 033600
Shahani, K M 032999
Shahin, M A 034265
Shaikhov, R T 034166
Shain, S S 036461, 037213
Shakarian, G A 040269
Shakhbasov, V G 034822
Shakirov, T T 037676
Shaklee, W E 033693
Shakuntalaraju, 038083
Shalaby, S O 032933
Shalaeva, N M 036188
Shalichev, IA 034874
Shalimov, I I 040279
Shalitin, C 036807
Shalitin, Y 033807
Shall, S 036786
Shamaev, V A 035820
Shamaeva, N N 036954
Shamanna, D 037749
Shambe, T 038817
Shamsi, S R A 036761
Shandilya, T R 037755, 037756, 038644, 038660
Shanholtz, V O 041425
Shankar, R 033970
Shanmugasundaram, V S 033140
Shannon, J C 037389
Shanthakumari, P 037752
Shapiro, A M 039768
Shapiro, D J 033778
Shapiro, I D 039279
Shapiro, Kh Sh 041272
Shapiro, N I 034815, 036694
Shapochkin, A IA 041270
Shaposhnik, S Sh 040533
Sharafutdinov, M I 036185
Shariff, A 032463
Sharipov, I K 034820
Sharipov, M 036886
Sharkey, P J 037530
Sharlanov, D 034536
Sharma, A L 035322
Sharma, C B S R 036303
Sharma, D C 036411
Sharma, J R 038722
Sharma, K 031314
Sharma, K K 035322
Sharma, K N S 032972
Sharma, K R 038692
Sharma, M 036990
Sharma, P N 034647
Sharma, P V 037183
Sharma, R C 039053, 041338
Sharma, S D 037751
Sharma, S K 031040, 038642
Sharma, S P 032974
Sharma, S S 036945
Sharp, P J 034669
Shashilova, V P 033480
Shashkova, N V 035808
Shatalkin, A I 040059
Shatilov, V R 036827
Shatla, M N 038560
Shavarda, A L 036877
Shaver, T N 036391
Shaw, B 034078
Shaw, M W 039700
Shaw, R 038255
Shaw, R H 037556
Shaw, S 037166
Shaw, W A S 034012
Shaw, W C 039117
Shchekina, E V 037222
Shchelokova, I F 037123
Shchelokova, S S 037234
Shcherbak, I E 040547
Shcherbakova, T A 040689
Shcherbanovskaia, F R 033461
Shcherbenev, G IA 036657
Shchutskaia, V V 038916
Sheail, J 036179
Shebata, O 034268
Shebeko, V F 041268
Sheehy, S J 031216
Sheffer, R D 036264
Shehata, A A 032936
Sheikh, K M 038858
Sheiko, M K 041128
Sheinkin, G IU 040472
Shekhter, A B 033824
Sheldrake, R Jr 038257
Shelef, L A 032074
Shelkaev, I P 035233
Shell, E W 033692
Shelley, P E 041573
Shelud'ko, IU M 038942
Shenouda, S Y K 032850
Shepherd, R F 039383
Sheridan, J E 037129, 038753
Sheriff, D W 037043
Sherman, F 036507
Sherman, L 037079
Sherman, P 032872
Sherman, William C 032226
Sherwani, J K 041424
Sherwin, R N 039732
Sherwood, D H 034417
Shettar, B I 036604
Shetty, M S 038510
Shevardnadze, M G 040807
Shevchenko, V A 036514, 036691
Shevchenko, V I 032479
Shevchenko, V N 038810
Shevchenko, V P 041126
Shevchenko, V V 036690
Shevchuk, F V 035254
Shevtsov, I A 036645, 036705
Sheynkman, A K 040832
Shi, G Y 037870
Shibata, K 036810
Shibata, S 033835
Shibazaki, T 039579
Shibui, H 034425
Shibuya, M 035704
Shigaki, H 041145
Shigeura, G T 038361
Shigo, A L 039016
Shih, C Y 041577
Shikalov, G M 032149
Shikhova, R IA 035203
Shikula, N 041168
Shilenko, B V 039921, 039922
Shilenkov, V G 040060
Shiliakin, V K 035236
Shillinger, IU I 032499
Shilo, M 037134
Shilova, S A 039602
Shim, J S 038048
Shimabayashi, Y 033992
Shimada, T 036575
Shimanovich, B I 033460
Shimazawa, E 033769
Shimizu, M 034093, 036621
Shimizu, T 035012, 035120
Shimoda, T 039613
Shimokawa, K 036289
Shimokoriyama, M 037478, 037479
Shimoosako, M 039046
Shinde, J E 040851
Shindo, H 035012
Shine, W E 036782
Shinjo, T 035011, 035012
Shinjyo, S 033788
Shinka, T 037763
Shinkareva, I K 036677
Shinkaruk, A I 035590
Shinoto, R 039999
Shinozaki, S 034426
Shinya, M 033202
Shipman, C W 037390, 040188
Shiraishi, T 038572, 038756
Shiralkar, N D 032369
Shiriaeva, L V 035804
Shirinian, G S 037664
Shirinskaya, M G 037585
Shirley, M W 035178
Shirley, R L 032181
Shirvani, T S 037860
Shishikin, E A 040273
Shishiuchi, M 035792
Shishkina, A T 041461
Shishkina, Z 038056
Shishov, L L 040612
Shitikov, D 031344
Shivashankar, G 036604
Shkantova, N G 033261
Shkarin, B I 037237, 037432
Shkidchenko, A N 037236
Shkiopu, V V 038466, 038472
Shkodenko, V I 038828
Shkolnik, G M 041289
Shkop, YA YA 032718
Shkrud', R I 041213
Shkutina, F M 036668
Shkvarnikov, P K 036465
Shlapakov, P I 035576
Shleizer, M S 041117
Shlygina, I N 034936
Shlyk, A A 036977, 037398, 037400
Shmeleva, V N 040742
Shneyour, A 036968
Shoemaker, A H 038432
Shofman, L 038055
Shoji, J 036903
Shope, R E 039464
Shopov, T 038783
Shopski, N 041401
Shore, Harvey H 032610
Shorland, F B 033131
Shorter, R 036571
Shorthose, W R 033094
Shouksmith, G A 033009
Shoup, Esther W 032602
Shoushan, A A 038266
Shown, L M 041379
Shoyab, M 035136
Shpil'chak, M B 039395
Shpritsman, E M 033461
Shrader, D E 041289
Shrikhande, J G 031078
Shrivastava, N C 040333
Shrotriya, G C 040929
Shtein-Margolina, V A 038941
Shtenberg, A I 039598
Shterk, P M 033460
Shubert, L E 036111
Shubladze, A K 035284
Shukla, L N 040488
Shukla, O P 040659
Shukla, T P 033214, 033215
Shul'gin, I A 037601
Shuliak, V D 035276
Shuliakov, L 041358
Shumakov, B B 040472
Shumer, O R 040543
Shumnyi, V K 036520
Shupe, J L 035347
Shurovskii, A G 034490
Shurtleff, M C 038629, 038988
Shurukhina, S I 040742
Shutov, A D 037702
Shutov, G M 035824
Shvebs, G I 041187
Shvetsova, L P 038808
Shyam, R 036316
Siarova, Z IA 038732
Siau, J F 035902
Sibatani, A 039987
Sibayan, D V 035755
Sibbett, G S 039324
Sichinava, Sh G 039915
Siclari, P 033365
Sicot, M 040954
Sidarovich, IA A 035922
Sidbury, J B Jr. 032689
Siddiq, M 040856
Siddiqui, A R 039252
Siddiqui, K A I 036947
Siddiqui, M A Q 040238
Sidhu, B S 038032, 038659
Sidhu, M S 039167
Sidhu, S S 038959
Sidle, R C 041606
Sidlof, F 040302
Sidorenko, V V 035577
Sidorov, V P 036369, 036663
Sidorova, K K 036528
Sidorova, N D 033049
Sidyakin, G P 036888
Sieben, W H 041437
Sieber, J 038487
Siebert, M W 039139
Siebert, W E 041303
Siegel, M R 038638
Siegel, O 031587, 031588, 031590, 031653, 031654, 031655, 031657, 031681, 031761
Siegelin, D 041295
Siegert, E 031339
Siegfried, R 032886
Siegmeyer, K 040913
Sierota, Z 038814
Sievers, G 037407
Sigvald, R 039305
Sih, C J 034170, 036805
Sihtola, H 035726
Siitonen, M 035616
Sikdar, B P 040925
Sikkema, D J 040241
Siklenka, P 034944
Sikorska, U 041497
Siksa, J 032140
Silenok, L F 035252
Siletto, T A 040515
Silis, D IA 036711
Sillcock, K 033617
Siller, W G 034344
Siltanen, H 039142
Silva, F P da 036424
Silva, J A 038361
Silva, J G da 037982
Silva, W H de 037693
Silverberg, B A 036341
Silverman, S 034909
Silverman-Jones, C S 033787
Silvis, H 033471
Sim, D W 033089
Sima, P 035063
Simanowski, E 040919
Simanton, J R 041366
Simatupang, M H 035904
Simbireva, E I 034140
Simchen, H 031814, 040919
Simeonova, TS 037532
Simionescu, C 036863
Simka, I 031805
Simkins, J 039314
Simkiss, K 034196
Simmons, L D 033281
Simmons, W K 032259
Simo, R M 035934
Simon, D 034539
Simon, H 036958
Simon, I 038222
Simon, L 035007
Simon, O 034302, 034303
Simon, R 034130
Simondon, J 040339, 040340
Simongulyan, N G 036678
Simonova, N IA 032497
Simons, D B 041398
Simons, M D 038595
Simpson, C F 035039
Simpson, H D 032045
Simpson, H J 041472
Simpson, J 033167
Simpson, K L 036775, 037759
Simpson, M E 034407
Simpson, T J 037289
Simpson, W S 033107
Sims, M E 031629
Simwat, G S 039426
Sinclair, J B 038774
Sinden, R E 039438

Singer, R H 039872
Singer, S J 034146
Singh, A 031159, 037565, 038016, 038674
Singh, A P 033976, 038717
Singh, B 031707, 040334, 041056
Singh, B B 033634
Singh, B P 039002
Singh, C B 039687
Singh, D 038788, 039359
Singh, D P 033979, 038662, 038865
Singh, D V 038679
Singh, G 038433, 038652, 041339
Singh, G P 036000, 039687
Singh, H 037193
Singh, J 032971, 038438
Singh, J N 040980, 041161
Singh, J P 039551
Singh, K 032054, 032085, 033243, 034279, 034380, 038042
Singh, K B 037762
Singh, K M 039424
Singh, K N 031043, 031300, 040401
Singh, K P 038649
Singh, L N 032053
Singh, L R 040334
Singh, M 033982, 038124, 039163, 039166
Singh, M M 032458
Singh, N 033978, 034391, 038656
Singh, N D 039045
Singh, O 037453
Singh, O S 037453
Singh, O V 038715
Singh, P 037970
Singh, P N 040401
Singh, R 034279, 038438, 041588
Singh, R D 038653, 038654
Singh, R K 038673
Singh, R P 035083, 036305, 040884
Singh, R R 038651
Singh, R S 038684, 039003
Singh, R V 040334
Singh, S 033982, 038435
Singh, S J 038645
Singh, S N 036026
Singh, S P 038665
Singh, T P 040944
Singh, U B 034382
Singh, Y N 039606
Singhal, R C 032709
Singhal, R M 040658
Singleton, C B Jr 031808
Singleton, P C 040784
Singman, H S 032281
Sinha, A K 035331
Sinha, B K 035329
Sinha, D C 038701
Sinha, M N 038027
Sinha, P 032239
Sinha, S K 037752
Sinha, S P 034647, 034650
Sinner, M 035904
Sinski, E 035008
Siopongco, J O 035754
Sipos, G 038110, 038111, 041415, 041420
Sippell, W L 039382
Siritsa, B N 036679
Sirivanakarn, S 040120
Sirotkin, A N 034243, 035438
Sirotkin, V V 033155
Sissingh, G 035497
Sitaramaiah, K 039003
Siu, C H 037056
Sivak, J 036342
Sivanesan, A 036159, 038752
Sivers, V S 034522
Sivertsen, S 036083
Sivolap, IU M 036653
Sixl, W 039456
Sixt, K 041675
Sizonenko, V 031277
Sjaastad, O V 034687
Sjoberg, B 037057
Sjoberg, G 041500
Sjogard, M 031037
Sjostrom, G 032993
Skadhauge, E 034206
Skaer, H le B 039937
Skalecki, C 035873
Skalka, J 034510
Skalon, I S 036184
Skatulla, U 039379
Skavronskii, V I 032488
Skiba, T 037504
Skibo, G G 033878
Skichko, N D 035251
Skidmore, A M 038820
Skinner, F A 040648
Skinner, S W 031825
Skipper, H D 039559
Skirko, B K 032153
Skirpchenko, A F 037575
Sklan, D 032978
Sklenar, V 034755
Sklyar, V YE 040068
Skobel'tsyna, E S 034169
Skomorokhin, V A 040548
Skoog, F 037813
Skorkin, G K 033501
Skorobogatova, E P 032178
Skorodinskii, Z P 034493
Skorokhod, V A 037843
Skou, J P 040295
Skrdla, W H 035921
Skripka, O V 038803
Skrivanek, J 040298
Skriver, K 041105
Skrobak, J 039318
Skrobakova, E 039318
Skubiszewski, B 034543, 034544
Skudarnov, V M 038194
Skuin', I P 033339
Skulmowski, J P 034617
Skupin, J 033837
Skvortsova, N T 035977
Skyrta, B K 031388
Slaby, O 040079
Slaby, V 034940
Slade, P 039583
Sladen, G E 032185
Slangen, L H G 031477
Slater, T F 033580
Slaughter, J C 037872
Slavcheva, T 037724
Slavianskii, A K 035803
Slavik, B 037372
Slavov, D 041034
Slay, W O 033165
Slebodzinski, A 033724
Slepian, E I 038580
Slesinger, L 034517
Slesinger, Z 038410
Slindee, C 035101
Slipenchi, A 040532
Sliusarenko, A G 037661
Sliwczynska, Z 035490
Sloan, A E 032812
Slobodianik, N H 032406
Slobodianiuk, S IA 039693
Slobodskaia, G A 036938
Slobodyan, L N 033783
Slogteren, D H M van 038878
Slotkoff, L M 034110
Slover, H T 032862
Slowinski, S 039608
Slukhai, S I 037414
Slusanschi, H 033293, 038146
Slusarczyk, M 037498, 037502
Smaje, L H 033942
Small, E 034896
Smardon, R C 041548
Smart, C W 040718
Smart, L I 034446
Smathers, J B 032979
Smeets, N 036198
Smejkal, A 031386
Smet, R de 040390
Smetana, A 040146
Smetana, M 034946
Smidt, D 034671, 034697
Smidt, R E 040703
Smigla, K 035009
Smilansky, A 034067
Smillie, R M 036968, 036974
Smirnov, A A 039602, 041277
Smirnov, A M 037280, 037927, 040270
Smirnov, M N 036516
Smirnov, V IA 035797
Smirnov, V M 040280
Smirnov, YU V 033783
Smirnova, L P 036889, 037675
Smirnova, M G 032492
Smirnova, N A 037434
Smit, B 031361
Smith, A 034174, 034345, 034346
Smith, A J 033522
Smith, B 035365, 038965
Smith, B B 037244, 037638
Smith, B D 040251
Smith, C 034774
Smith, C R Jr 032863
Smith, C W 035339
Smith, D 034772, 036118
Smith, D T 039162
Smith, D W 036227
Smith, E C 037512
Smith, E H 039620
Smith, E L 036446, 036453
Smith, E M 038952, 040881
Smith, Elizabeth B 032617
Smith, Euna 032605
Smith, F C Jr 041481
Smith, F G 040235
Smith, G 040463
Smith, G C 033088
Smith, G L 032743
Smith, H E 039637
Smith, H W 035116
Smith, I I 034164
Smith, J B 036612
Smith, J E 033988
Smith, J H 041610
Smith, K 035123
Smith, K B 031024
Smith, L W 033544, 039101
Smith, M E 035189
Smith, M W 033785
Smith, Mrs Haven 031640
Smith, Nila Banton 032202
Smith, R E 035052, 035129, 041391
Smith, R I L 036200
Smith, R L 034066
Smith, R N 037033
Smith, R R 035948
Smith, R W 033816
Smith, S J 040997
Smith, T P II 041203
Smith, W C 034776
Smith, W H 034408
Smithers, C N 039984
Smolianinov, B V 034238
Smolinski, M 035703
Smolka, K 031820
Smolov, A P 036911
Smouse, P E 039891
Smurova, M V 035663
Smyk, G K 036840
Smyslova, A G 035203
Snegireva, L V 032178
Snellgrove, T A 035893
Snetsinger, R 039652
Snieckus, V A 036736, 036737, 036739, 036742, 036743, 036744, 036745
Snigh, H G 038008
Snodgrass, J D 035715
Snyder, A W 039797
Snyder, F 033764
Snyder, G H 040894
Snyder, G R 032064
Snyder, L C 038259, 038260
Snyder, L C Jr 038274
Snyder, S 036600
Snyder, W M 041234
Soares, J H Jr 034457
Sobanski, E 035151
Soberka, R 032727
Sobko, O O 038181
Sobocinska, J 033714
Sobolev, V V 035251
Soboleva, G A 033343, 037220
Sobulo, R A 040641
Sochtig, H 040627
Soda, K 036849
Sodersten, P 034672
Soderstrom, B E 036166
Sodomkova, D 035373
Sofer, S 038990
Sofletea, I 035439
Sogaard, H 032122
Sogeke, A K 036345
Sohal, R S 039736
Sohi, H S 038647, 038662, 038663
Soignet, D M 033180
Sokhi, S S 038662
Sokhibnazarov, Sh 036546
Sokol, J 034511, 035377
Sokol, L 033715
Sokolov, A IA 034181
Sokolov, I D 036364
Sokolov, O A 037344
Sokolov, V 031806
Sokolov, YU I 033502
Sokolova, L I 032496
Sokolovskii, S P 040735
Sokova, V A 035278
Solanki, J S 038651
Solarova, J 037742
Soldat, J K 041524
Soldatenkov, P F 034488
Soldatova, O P 036511
Soliman, Z R 039208
Soling, H D 033985
Solmsdorf, A 041674
Solmsdorf, H 041674
Solodovnikova, V S 039214
Solomina, V F 037864
Solomon, R L 033709
Solomon, S E 034065
Solomons, I A 035185
Solov'ev, B F 038198
Solov'ev, L M 034230
Solov'ev, V I 033774, 034852
Solov'eva, N V 032177
Soltero, R A 036212
Soltesz, I 034550
Solti, M 033703
Solymos, R 035737
Som, R 031709
Soma, L R 034891
Somal, B S 038033
Sommeijer, M J 039356
Sommer, J 031328
Somos, A 038284
Somsen, H W 039263
Sonanini, D 033287
Sonesson, M 036201
Song, S H 033847
Soni, N K 038640
Sonne-Frederiksen, P 033590
Sonnet, P E 039289
Sood, D R 037459
Sood, G R 036983
Sood, S 039802
Soos, L 031574
Soosalu, O 034767
Sopin, N E 038192
Sopper, W E 040899
Sorensen, J E 031940
Sorgel, F P 031347
Sorger, G 037599
Soroa y Plana, J M de 033145
Sos, A 041496
Sosedov, N I 033154, 033155
Sosnovskaia, E V 037344
Sosulski, F W 033207
Sotnikova, T V 031510
Soucek, B 039860, 039861
Soumini Rajagopalan, C K 038862
Sousa, J A G C 037980, 038854
Sousa, Paulo L R 032220
Southcott, B A 032739
Southern, D I 039688, 039737
Southgate, B J 039414
Southgate, D A T 032282
Southward, C R 033010
Southwood, T R E 039438, 039785
Souw, P 032155
Sova, O 034225
Sowinski, E J 041530
Sowokinos, J R 037814
Spaar, D 038010, 038326
Spadaro, J J 033201
Spaldonova, R 035229
Sparr, T M 041324, 041587
Sparvoli, E 036308
Spasov, G 038130
Spatz, G 038182
Specht, A 040507
Specht, J E 036426
Specht, L W 034782
Speck, M L 031568, 032393
Speck, Marvin L 032401
Speck, S J 032962
Speckmann, H 033613
Speedy, A W 034558
Speek, A J 032012
Speer, V C 034413
Speir, T W 040702, 040793
Spencer, H 032272
Spencer, J E 038050
Spicher, G 033237
Spiegelman, S 035111
Spiegel-Roy, P 036404
Spiess, W E L 032951
Spiller, G A 032209, 032322
Spirichev, V B 032498
Spiridonov, IU IA 039523
Spiridonov, V I 034817
Spittler, T M 041481
Spitzer, A 031380
Spitzer, K 039604
Splisteser, H 034900
Spofford, W O Jr 041541
Spokes, J R 040666
Spomer, R G 041180, 041372
Spooner, P 037941
Spooner, R L 033871
Sposito, G 040763, 040766
Spradling, A 039872, 039873
Spratt, N T Jr 033733
Spravtsev, M Kh 034522
Spremulli, L L 036779
Spreng, A 038480
Sprengel, A 038081
Springell, P H 039441
Springer, E L 035880
Springett, J A 039224
Sproule, B V 037805
Spurgeon, K R 032961
Spurr, S H 035862
Sreedhara, N 033270
Sreedhara, V P 033270
Sreekantaradhya, R 036604
Sreekantiah, K R 033394
Sreenivas, G N 041174
Sreenivas, L 041015
Sreenivasa Rao, P 032791
Sreenivasan, A 032902
Sridhar, K 040771
Sridharan, C S 040474
Srinath, D 039434
Srinivas, T 033265
Srinivasamurthy, J 039038
Srinivasan, C S 038548
Srinivasan, G 031875
Srinivasan, K S 032370, 032418
Srinivasan, M R 032370, 032970, 032972
Srinivasan, R A 032056, 032840
Srisuthep, R 033204
Srivastava, A K 033974, 036905
Srivastava, B P 032082, 039250
Srivastava, P K 034674
Srivastava, R K 039687
Srivastava, S N 038716
Srivastava, U P 039551
Srivastava, V 036304
St Clair, L L 035956
St John, J B 037523
St John, W M 034016
St Mard, H H 031955
Staby, G L 037734
Stach, P S 040791
Stachurski, A 036923
Stacy, J E 035970
Stadelbauer, J 038186
Stadler, P A 036756
Staff, I A 037238
Stafford, R E 036435
Stage, H 041655
Stahl, A 033894, 036824
Stahl, E 037149
Stahl, U 033650
Stahle, G 033582, 034505
Stallcup, O T 032948, 034325
Stamboliev, M 041062
Stamler, S J 039637
Stamm, G G 041333
Stamm, H 032001
Stanbridge, N N 033190
Stanchev, H 033881
Stanchev, L 041031
Standing, K G 033198
Stanek, M 038282, 039605
Stanek, W 037911
Stanescu, Z 036624, 038119
Stanev, D 038555
Stanev, S 036011
Stanev, V 037403
Stang, N 033043, 033109
Stanga, N 041192
Stanger, W 039567
Stanhill, J 040367
Staniforth, A R 033286
Stanik, J 033136
Stanilova, D 037531
Staniszewski, B 032760
Stankov, I 036475, 036481
Stankova, P 036481
Stanley, A F 035917
Stanley, H P 039865
Stanners, C P 035110
Stanton, B 031394
Stanton, L E 031585
Stanton, M 034207
Stanuica, D 035193
Stanwick, T L 035130
Staples, L C 041143
Stappers, H P 033275
Starchenko, E P 040568
Stare, F J 032124, 032505
Stark, A L 031765
Starling, J G 038991
Staroba, A R 031359
Staron, T 032708
Starre, H von der 033888
Stary, Z 035263
Stasiak, A B 037224
Staticescu, P 033292
Stauber, E 035031
Staudt, F J 031377
Stavenga, D G 039789, 039791
Stearns, S C 037089
Stebaeva, S K 039974
Stebnicka, Z 039995
Steche, W 040207, 040210, 040220
Stecki, Z 035690
Steeg, H 031939
Steele, G C 036324
Steele, J A 032069
Steele, P A 034840
Steele, R C 035521
Steelink, C 035883
Steelman, C D 039445
Steerenberg, P A 035118
Stefan, M 034947
Stefanescu, P 036624
Stefels, C J 035496
Steglich, W 036865
Stein, B S 034638
Steinbach, F 031177
Steinberg, I Z 032833
Steinberg, M P 033240
Steiner, E H 032811
Steiner, H H 031825
Steiner, R W 040976
Steinhardt, M 033676
Steinhauser, H 033648
Steinhauser, L 031685
Steinkampf, H 031347
Steinkraus, K H 032832
Stellar, E 033709
Stelte, W 032157
Stenske, A 034832
Stepa, T 036924
Stepan, M 040987
Stepanenko, A YA 040836
Stepanenko, B N 036772
Stepanenko, G A 032770
Stepanenko, S YU 037580
Stepanian, L G 039055
Stepanian, T U 037680
Stepaniuk, V D 034235
Stepanov, A I 031512, 037228
Stepanov, I S 040827
Stepanov, K I 036940
Stepanov, V M 033826, 036902
Stephan, H 033233
Stephen, A M 032769
Stephen, Joan M L 032449
Stephens, G R 032096
Stephens, J 031713
Stephens, L C 040368
Stephenson, G R 041306
Stepien, I 033710
Stepien, L 033710
Stepien, P P 036726
Stepniewska, E 032164
Sterba, H 035520
Stermer, R A 031981
Stern, D J 033321
Stern, E G 035864, 035866, 035867
Stern, P H 032215
Sternberg, S 039479, 039899
Sternitzke, H S 035560, 036252
Stetka, D G 039054
Steubing, L 041146
Steuerle, H 032367
Stevely, W S 035216
Steveninck, M E van 036344
Steveninck, R F M van 036344
Stevens, C 037871
Stevens, D 036227
Stevens, G E 034884
Stevens, J B 035343
Stevens, K L 033251, 033321
Stevens, M A 041398
Stevens, S 034740
Stevens, W 033912
Stevenson, G 038753
Stevenson, K E 032901
Stevenson, L H 036234
Stevenson, R 037176
Stewart, D J 033800
Stewart, G L 036032
Stewart, K D 036276
Stewart, P R 037099
Stewart, R 039547
Stewart, R H 037950
Stewart, R N 037802
Stewart, W D P 036211, 036820
Stewart-Tull, D E S 033925
Steyaert, R L 036162
Steyn, P L 034061
Steyn, R 034871
Stibbe, J 040413
Sticher, O 037148
Stickel, W H 041518
Stickney, R E 032314
Stillman, C W 041555
Stiltner, G J 041432
Stirbu, C 035018, 035019
Stirn, O 041148
Stith, L S 036424, 037390, 040188
Stobart, A K 037208
Stockdale, H 039358
Stockdale, H J 039297
Stockebrand, S 032312
Stockert, J C 039677
Stockhausen, J von 031432
Stockigt, J 036866
Stoev, K D 037723
Stoewsand, G S 033322
Stohr, H 033486, 033489
Stoianov, Zh 036918
Stoilov, N 040265
Stoimenov, V 032925, 040264
Stoinev, K 040749
Stojanov, V 034306
Stojanova, M 036471
Stokes, D R 033400

Stoklasek, B 033115
Stolbova, A V 036541
Stolle, G 038310
Stolpe, J 033675, 034914
Stolyarov, M V 036249, 039278
Stolzman, M 034778
Stone, J 033539
Stone, P H 036247
Stone, W K 032958
Stoppini, Z 040567
Stormont, C 035294
Stort, A C 040246
Stortzer, M 038325
Story, J A 035368
Storz, J 035035
Stoskopf, N C 037382
Stosz, J 034394
Stout, T T 031726
Stoyanov, Zh V 037582
Stoyanova, M 038897, 038898
Straelen, B C P M van 040495, 040496
Strain, W H 034149
Strand, O E 034358
Strang, J G 038299
Stranzinger, G 034613
Stranzinger, G F 034612
Straskrabova, V 041681
Strata, A 032172
Strathusen, F W 041448
Stratil, A 033871
Stratton, R A 035881
Stratu, S I 038476
Straw, R M 036048
Strebing, R J 035445
Streiff, R R 032311
Streitberg, H 037644
Strekozov, B P 040687
Strel'chuk, S I 036460
Strickland, H G 041487
Striganova, B R 039975
Strilaeff, P W 041322
Stringfellow, A C 033209
Strizhekozin, IU A 038799
Strnadova, H 037742
Stroehlein, J L 041040
Stroinski, A 037557
Stromberg, S 035637
Strong, D G 032914
Strongin, L YA 036902
Stros, K 034221, 034233
Strotmann, H 037695
Strubing, H 031685
Struyf, E 037198
Stryckers, J M T 039190
Stryg, P E 041465
Strykowski, W 035873
Strzelecki, A 035768, 038188
Strzyszcz, Z 035691
Stuart, A E 034164
Stubbs, J M 037365
Stucker, R E 036421, 036425
Stuessy, T F 036054
Stuhler, E A 031163
Stumpf, J 035259
Stumpf, P K 036782, 037653
Stunkard, J A 034911
Stupazzoni, G 031011, 031776
Stupiello, J P 033193
Stushnoff, C 038299
Stute, K 034383
Stuthman, D D 036425
Stutz, P 036756
Stutzer, D 034742, 040468
Styan, G E 035852
Stylianides, D K 038333
Styrna, J 034620
Stys, P 039978, 040152
Su, G C C 039527
Subbarao, Y V 041045
Subbulakshmi, G 032407
Subrahmanyam, N C 036406
Subramanian, C K 041150
Subramanian, C L 038779
Subramanian, S S 036906, 036986
Subramoniam, V 036086
Suchy, M 039342
Sud, S C 033977
Suda, T 033769
Sudd, J H 039812
Sudo, S 037378
Sue, T K 035441
Suelter, C H 037019
Suffet, I H 041321, 041530
Suffling, R 036227
Suga, H 034134
Suga, K 032866
Sugano, N 036821
Sugar, A 033276
Sugarev, T 037718
Sugeno, Y 039013
Sugihara, A 036328
Sugihara, H 035769
Sugimoto, K 037517
Sugimoto, M 033876
Sugimura, T 036786
Sugiyama, H 031948
Sugiyama, J 040201
Sugiyama, T 037515
Sugoniaev, E S 039715, 039969
Sugonyayev, YE S 039278
Suhayda, J 032876
Suhren, G 031967
Suketa, Y 039013
Sukhobrus, S V 040836, 040872
Sukhodol'skaya, G V 036770
Sukoyan, M A 034819
Sukumar, R 039801
Sukumaran, C P 036993
Suleimanova, A Y 037445
Sullins, R D 033566
Sullivan, G A 032801
Sullivan, L J 035442, 035443, 035444
Sulzbach, C W 038958
Sumita, T 037072
Summerfield, R J 037345
Summers, C G 039267
Sumner-Smith, G 034897
Sund, H 034204
Sundaresan, D 033623
Sundene, O 037138
Sunderland, K D 039290
Sun-Fu Shih, 041297
Suntsova, M P 039302
Supekar, P G 035296
Suprunov, N I 036890
Suprunov, O V 034492
Surendranath, M R 033285
Suri, J C 035079
Surin, V A 041273
Surkiewicz, B F 032093
Surtees, G 039459
Survashe, B D 033863
Surynek, J 034222, 034224
Surzhukov, V P 038199
Sus, H 034298
Sushkova, N K 035255
Suski, Z W 039329
Suslova, N G 036515, 036525
Suslova, V V 040743
Sussland, Z 035260
Sussman, M 037239
Sussmsn, S A 033865
Sutarno, H 037669
Sutherland, J P 032073, 032076
Sutton, H M 032841
Suwanai, M 039423
Suwantaradon, K 036432
Suzuki, A 034028
Suzuki, H 036123
Suzuki, M 035138, 037254
Suzuki, O 033889
Suzuki, S 033288, 037075
Suzuki, T 034030, 034976, 036731
Svab, J 031118
Svaldi, A 040861
Svampa, G 038730
Svandova, E 035230
Svedentsov, L M 041117
Svejda, F 036536
Svendsen, J 035174
Svensson, C 033254
Svensson, J A 039183
Sveshnikova, L I 035979
Svetlichkin, V V 037682
Svetlichnaia, Z IA 041264
Sviatnenko, L P 037700
Svidovskii, IU M 033482
Svoboda, V 035434
Swain, F M 040620
Swami, K S 035448
Swaminathan, M S 038018
Swan, D G 039113
Swan, H 034374
Swanson, B T 038248
Swanson, J W 035881
Swanson, V B 035836
Swart, G T 033800
Swarts, H G P 033812
Swarup, D 034454
Swatland, H J 034004
Swayamprakasam, S 040985
Sweet, J B 038888
Sweet, R W 035111
Swendseid, M E 032352
Swenson, R 034064
Swetland, P J 036172
Swietlinska, Z 036597
Swift, H 037079
Swindell, R E 036702
Swinnerton, J W 041680
Swinscow, T D V 036080, 036085, 036089, 036093
Swisher, B E 035791
Sybenga, J 036416
Sychenikov, I A 033824
Sycheva, A N 032488
Sycheva, O A 035984
Sydnor, T D 038993
Sykiotis, M 034565
Sylven, E 039963
Sylvestre, G 036562, 038609
Symakov, A N 040721
Symons, A M 034698
Syrbu, I G 038468
Syrgiannides, G D 039185
Szabo, A 032025, 032029, 033635, 039048
Szabo, I 040112
Szabo, M 034858, 034950
Szabolcsi, G 033703
Szaflarska-Stojko, E 035009
Szalai, I 037617
Szaniel, I 041020
Szasz, T 035544
Szathmary, A 031462
Szczepansak-Sadowska, E 033714
Szczygiel, A 032477
Szczypa, E 037509
Sze, P 037154
Szecsenyi, I 031963
Szekely, C 031280
Szeker, I 031964
Szelenyi-Galantai, M 034249
Szemenyei, K 035002
Szendrei, K 037185
Szentesi, A 037798
Szep, I 033727
Szigeti, G 033514
Szilagyi, J 031987
Szilagyi, L 036376
Szilagyi, Z 034450
Szinicz, L 035393
Szirtes, V 041022
Szlek, W 036615
Szoke, P 038226
Sztejnberg, A 038769
Szucs, A 032785
Szukiel, E 035504, 037937
Szunics, L 036375
Szymanski, B 041667
Szyszko, J 039867
Tabata, M 037068
Tabatabai, M A 041607
Tabor, R L 040679
Tabukashvili, K F 041249
Tada, M 034039
Tadauchi, N 034252
Tadros, M S 039948
Taerum, R 031617, 031618
Tafradjiiski, I 038608
Taft, J L 036721, 037096
Tafuri, F 039526
Tagari, H 034275
Tagawa, K 037016
Tageeva, S V 036540
Taggart, T 033158
Tagliere, Daniel A 032613
Taguchi, H 036904
Taguma, S 035305
Taha, W 040906
Tahara, S 031258
Taiganides, E P 041682
Tainter, F H 035699
Tajana, C 033329
Taji, K 034270
Takada, H 036851, 039833, 040104
Takahashi, H 031973
Takahashi, K 033424, 033425, 033862, 035465, 037070
Takahashi, M 034025, 037046
Takahashi, N 037619, 037620
Takahashi, R 037071
Takahashi, S 034424
Takakura, T 031116
Takakuwa, M 032864
Takasaki, S I 034023
Takashima, I 035120
Takeba, K 032091
Takeda, A 034026
Takeda, K 035423
Takeda, Y 037182
Takemura, K 031971
Takenishi, S 036730
Takeoka, Y 036621
Takeuchi, H 034252
Takeuchi, Y 035304
Takio, K 034040
Takkar, P N 040866
Talarico Bisiacchi, L 036952
Talbott, T D 039227
Talboys, P W 038564
Talda, N E 033459
Talde, U K 038671
Tal'drik, A A 035184
Taleinsnik, E D 037856
Talibudeen, O 037467
Talieva, M N 036915
Talineau, J C 040954, 040960
Taller, B J 037813
Talmant, A 034570
Talpalatskii, P L 040272
Tamanian, K G 036279
Tamari, M 041602
Tambuyzer, C 031117, 031268
Tamminga, S 034119
Tamminga, S K 032089
Tampi, P R S 031832
Tanabe, H 033134
Tanabe, M 040000
Tanabe, Y 033736
Tanaka, A 037450
Tanaka, H 031974
Tanaka, I 037070
Tanaka, K 033202, 034093, 034094, 034095, 034685, 034707
Tanaka, M 036786
Tànaka, N 032165, 036328
Tanaka, O 032869, 037069
Tanaka, T 032752
Tanaka, Y 033770
Tandler, K 032004, 033065
Tandon, H K L 035076
Tandon, J M P 038706
Tandon, M P 038707
Tandon, R N 038706
Taneja, G C 034278
Tanev, G 034874
Tanev, I 038555
Tanev, Z 041031
Tanimoto, T 037924
Tanis, T 031352, 041144
Tanker, M 037196
Tankersley, C W 034800
Tanner, C B 037627, 037628
Tanner, H 032132, 033465
Tansey, M R 036151
Tantaoui, E 031941
Tanzarella, C 039878
Tao, K L 037810
Tape, N W 038443
Tappel, A L 032340
Tara, K A 033199
Tarala, N A 035247
Taran, V P 040392
Tararskii, V P 033213
Taras, M A 035626
Tarasenko, A D 034524
Tarasova, L N 032918
Tarchevskii, I A 037445
Tarding, F 033934
Tarkhova, T N 036251
Tarnopol'skii, B L 036848
Taroun, S 040553
Taruski, A G 039574
Tarverdian, V I 038960
Tasaki, I 034423
Tasei, J N 037637
Tashima, Y 033768, 034024
Tashiro, H 039276
Tat, T H 035673
Tatara, A 037483
Tatematsu, S 035423
Tatintseva, S S 036285
Tatray, Gy 038002
Tatsuki, S 039251
Tauber, C A 039619
Tauber, M J 039619
Taukeleva, Sh H 037660
Tavares, P 033194
Taverner, M R 034273, 034277
Tavita, Y 035752
Tawab, G A 032934
Tawfik, F H 038757
Taylor, A 032031, 034071
Taylor, B 032371
Taylor, B K 041119
Taylor, B L 034148
Taylor, Betty 032684
Taylor, D C 034212
Taylor, D M 033913
Taylor, G A 038544
Taylor, G N 033912, 035411
Taylor, G S 038773
Taylor, J C 034075, 034079
Taylor, L Y 032077
Taylor, M 034732, 034733
Taylor, M H 031023
Taylor, M S 032108
Taylor, M W 033013, 033016
Taylor, P 036101
Taylor, R 035449
Taylor, T N 036129, 036132
Taylor, W C 035949, 037893
Taylor, W P 035023
Taylor, W R 036721, 037096
Taylor-Robinson, D 035166
Tazaki, I 034269
Tazaki, Y 036332
Tchacaroff, E 034609
Tchigeov, G B 032753
Teaci, D 041194
Teague, P 034051
Teal, J M 040996
Tebbetts, D O 031235
Tebbutt, M W 032591
Teeter, N J 031437
Tegeler, G 034108, 034311, 034312
Teichmann, R 034132, 034133, 038219
Teissier, J H 033038, 033607, 034287
Tejon Tejon, D 033602
Tekale, N S 033325
Telegdy Kovats, L 032214
Telepnev, V A 034191
Telezhenetskaya, M V 036891
Telfer, W H 039609
Teller, D C 033780
Tello Aragon, M 031373
Tel-Or, E 036820
Temin, H M 035131
Temp, G A 037578
Temper, E E 036545
Temple, D 037626
Temple, D M 035889
Temple, S 033260
Ten Bruggencate, G 034132, 034133
Teniaev, D M 031511
Tennant, D 037475
Tenquist, J D 039491
Teodorescu, S 033573
Teodoriu, A 041053
Teotia, T P S 039424
Tepliakov, A A 039049
Teplyns'kyi, M H 041128
Tepper, S A 035368
Tepperman, K 034044, 034046
Terada, Y 040242
Terashita, T 038737
Terauchi, K 034977
Ter-Avanesyan, M D 036680
Terekhin, E S 035913, 036284
Terekhov, I I 038466, 038467
Terent'ev, F 041360
Tereshchenko, G P 033461
Tereshenkova, I A 040742
Tereshina, E V 033153
Teresi, R 035720
Terman, G L 041025
Termovskii, M F 036677
Termunde, D 032979
Ternovskii, M F 036510
Terrao, T 037473
Terrill, C E 033652
Terterian, A E 040054
Terteryan, A YE 039725
Tertrin-Clary, C 033817
Tervit, H R 034759
Tesar, A 035273
Tesar, M B 038598
Tesarik, L 035456
Tesel'ko, V L 038206
Tesi, P 035301
Teske, P 033376
Tesoro, F O 035898
Tessier, J P 041466
Tester, L 034386
Tetry, A 033926
Tett, P 037086, 037091
Tette, J P 037067
Teuffert, J 034927
Teuteberg, A 038835
Teutem, O van 031935
Tewari, J P 038896
Tewari, K K 036314
Tewari, U J 033924
Tews, L L 036155
Thacker, J 036599
Thaker, P N 032973
Thakur, D P 038689
Thakur, R N 038643, 038649
Thalenhorst, W 039410
Thangavelu, S 040984
Tharanathan, R N 037749
Thayer, D W 033506
Thaysen, J H 033934
Thebtaranonth, Y 037288
Theilen, G H 035006
Theischinger, G 040158
Theiss, J 039950
Theissen, U 034908
Thelemann, W 034317
Theron, J G 040098
Therrien, C D 036415
Theune, H H 034333
Theunissen, J 038500, 038501, 038504, 038505
Thiagarajan, Sivasailam 032588
Thibier, M 034694
Thibodeaux, D 033174
Thiel, F 040707
Thiel, N 035393
Thill, H 033562
Thirumala Rao, S D 033285
Thoen, D 036072
Thogersen, O 038067
Tholia, M K 036990
Thomann, R V 041543
Thomas, B 032249
Thomas, D H 034206
Thomas, E 033525, 036719
Thomas, E V 041639
Thomas, F 033512
Thomas, G 037177, 039942
Thomas, H R 033570, 033571, 034469, 034470, 034480, 034793, 041652
Thomas, J A 039484
Thomas, J K 033271
Thomas, J R 036314
Thomas, M V 039844
Thomas, N T 038695
Thomas, P C 034420
Thomas, P E 034107
Thomas, T H 038360
Thomas, W C 032958
Thomas, W J 036122
Thomason, I J 038965
Thompson, A K 033471
Thompson, D J 035445
Thompson, G A 034041
Thompson, G E 034158
Thompson, L F 041038
Thompson, L R 033793
Thompson, Mary Louise 032596
Thompson, P D 033631
Thompson, P E 035058
Thompson, S N 039681
Thompson, T L 032976
Thompson, W 041055
Thomsen, C 031920
Thomson, A D 035926
Thomson, A M 032187
Thomson, D J 031360
Thomson, J A 039610
Thomson, N A 039040
Thonart, P 036563
Thoni, H 033755
Thontadarya, T S 039350
Thorhauer, K 033668
Thorn, N A 033958
Thornber, J P 037205
Thornburg, W 040598
Thornbury, M E 032356
Thorne, W 041460
Thornton, D J 035125, 039489
Thornton, J M 033898
Thorsrud, J 038331
Thrasher, D M 034719, 034735
Threadgold, L T 035179
Threlfall, D R 037177
Threlfall, W 039603
Thun, R 035334
Thurston, C F 037132
Thurston, E L 037013
Thurston, J R 035147
Tianu, A 038116
Tianutova, G V 036528
Tibay, T 033702
Tibell, L 036148
Ticha, I 036828, 037742
Tichy, H 039950
Tickle, I J 037059
Ticknor, R L 038252
Tiel, N van 039030
Tierens, A 038514
Tietjen, K H 031592
Tigchelaar, E C 033388, 038635
Tigerstrom, R G von 033802
Tiing, L B 035599
Tija, B 036944
Tikhomirov, F A 036630, 040845
Tikhomirova, A L 039968
Tikhomirova, A S 037117, 037227
Tikhonenko, A S 033021
Tikhonovich, I A 036469
Tikhvinskii, I N 040388
Tiktin, L A 033483
Til, H P 032013
Tilbrook, P J 036199
Til'dina, S S 035282
Tilkin, V E 041083
Tilley, L G W 039109
Tilsch, K 034498
Timanoff, M 033846
Timariu, G 031369
Timchenko, A S 034193
Timchenko, V 031277
Timirgaziu, C 038145
Timm, F 033075
Timmen, H 033006
Timofeev, B A 035206, 035235
Timoshenko, V M 036645
Timpa, J D 031960
Ting, P 037022
Tinker, P B 036980
Tinline, R D 038587
Tinoco, I Jr 037058
Tinyakov, G G 033122
Tira, S 037194

Tirelli, M 039412
Tiru, G 039160
Tishchenko, A 038062
Tishchenko, A T 040878
Tishchenko, N N 037395
Tishchenko, V K 032481
Tissier, M 040453
Tissue, O C Jr 035848
Titman, D 037085
Titov, IU V 036253
Titova, E N 037262
Tiurin, S T 033476
Tiurina-Zeinalashvili, R N 041186
Tiutiunnik, L G 033464
Tiwana, M S 033569, 038031, 038125, 038126
Tiwari, S C 036335
Tiwari, V N 038685
Tjong A Hung, A R 031918
Tkac, J 041402
Tkachenko, I K 037605
Tkachou, A A 033990
Tkachov, V M 039368
Tkachuk, E S 037414
Tkachuk, V I 040393
Tminaga, N 037765
Tobias, W 039728
Tobolski, F P 032810
Toda, M 035014, 035015, 035016
Toda, S 037284
Todd, G 035440
Todd, K S Jr 035068
Todhunter, E Neige 032425, 032551
Todorov, F 040749
Todorov, I 036534
Toeplitz, Z 033710
Tognoni, F 037839
Toh-e, A 036589
Tohoyama, H 032864
Toia, R F 037025
Tokayer, J L 034013
Tokimatsu, M 037986
Tokmakov, IU G 036712
Tolan, A 033529
Tolkachev, O N 036901
Toll Jubes, J 037835
Tolle, A 031965, 031966, 031967, 031968, 032947, 033614, 035003, 035004, 040456
Tollin, P 038918, 038920
Tolokonnikov, V B 035573
Tolstousov, V P 041134
Tolstrup, E 035538
Tolwinska, M 041215
Tom, L 034781
Toma, Ramses 032608
Toman, R 035717
Tomar, S S 033978, 034653
Tomaru, K 038886
Tomaselli, M 032778
Tomashevs'kyi, D P 041121
Tomassini, A 031015
Tombler, G 035851
Tomescu, A 035018, 035019
Tomichek, E A 034037
Tomin, E D 041270
Tominaga, T 038851
Tominaga, Y 036328
Tomita, E 038398
Tomita, T 034080
Tomlinson, N 032739
Tomlinson, R W 041351
Tommerup, I C 036345
Tomoroga, P 039161
Tomov, V 034246
Tompkins, D R 038267
Tones, P I 039663
Tong, A 032191
Tongur, A M 036971
Toni, R 035108
Tonkonogov, V D 040722
Tonomura, K 032711
Tonomura, Y 034025
Tonsberg, T 036078
Tontarski, T 031006
Toohey, C L 037990
Topchieva, A 038138
Topchiiski, S 037725
Topfer, I 035155
Toporovskaia, IU S 038810
Toppen, H 031667, 031668
Toppler, J 033773
Torell, D T 038003
Torgov, I V 037231
Torje, D 038107
Tornow, W 031161
Toro, G A del 031213
Torok, T 031986
Torres, C A A 034663
Torres, J V 036393
Torres, M 040864
Torres-Pereira, J 037739
Torrey, J G 036295
Torstensson, L 039182
Tosh, G C 040909
Tosheva-TSvetkova, TS 039360
Toskov, N 038859
Totev, T 034538
Totev, T V 041036
Toth, Gy 036724
Toth, I 040950
Toth, M 031460, 034393
Totorcea, N 035192
Toulova, M 035374
Touratier, L 035198
Tourbier, R 034833
Tourneur, J C 039333
Tovey, N K 040582, 040583
Towell, M E 034790
Towne, R M 041663
Townsend, G F 032827
Townsend, W E 033090
Townshend, J L 038967
Toyosawa, K 034082
Tozzini, F 034985
Tracey-Patte, P 035089
Tracey-Patte, P D 035090
Trapman, J 036811
Trappe, J M 036164
Trasculescu, F 041419
Trashliev, Kh 040751
Trask, B J 031954
Traub, W 032836, 034067
Traut, T W 033811
Trautmann, K H 039215
Traverse, S 037967
Travnicker, J 035064
Treakle, H C 031825
Trebel's'ka, L V 039188
Trebichavsky, I 035063
Treccani, V 032339
Treece, R E 039495
Trefas, L 040475
Treharne, K J 036428
Treherne, J E 039778, 039844
Tremaine, J H 038931
Tremblay, E 039315
Trenner, P 034922
Trepel, F 033857
Tret'iakova, V P 037237
Trew, D O 037091
Trezek, G J 041501
Triapitsyn, V A 040056
Trigub, A S 038189
Trigub, E N 041132
Trimble, S W 041388
Trinci, A P J 036324, 037050
Triolo, E 038723
Tripathi, C P M 039740
Tripathi, K B 040983
Tripathi, N N 038842
Tripathi, R K 038690, 038860
Tripathy, D N 035066
Tripp, V W 031958, 032066
Tristan, D F 039498
Trivers, R L 039913
Troesch, J 032915
Troian, V M 037875
Troiano, G 039670
Troitskaya, E A 037578
Troitskii, N A 036629
Trommer, F 035426
Trotsenko, I 031573
Troubridge, D A 039857
Trounson, A O 034702
Trovato, P 037184
Trowbridge, F L 032302
Trowell, H C 032218
Trubitsyn, B I 035205
Trubnikov, V F 033156
Trufitt, A D 035879
Truhaut, R 041513
Trulson, M 034064
Trummel, C L 032215
Trumper, K 040418
Trunova, T I 037434
Truscott, R B 035033, 035036
Trusova, V M 037396
Trut, L N 034823
Tryon, C P 040383
Tryon, R 035907
Trzcinski, T 041075
TSachev, S 038555
Tsai, H T 041604
Tsai, L B 037169
Tsai, M J 034145
Tsai, S D 038772
Tsai, S Y 034145
Tsakiris, A G 034018
TSanov, TS S 034533
TSareva, V T 036844
Tschauder, G 038311
Tschernewa-Dimowa, S S 040941
Tscherwonny, M 035473
Tschesche, R 036754
Tschudy, R H 036020
Tseng, S T 036445
TSenov, A 038179
TSenova, M 036921, 039110
Tshitenge, G 037362
TSiarents'eu, V M 037464
TSilinskii, IA IA 035281
TSimbal, M A 033482
TSimbalist, N I 039524
TSipko, A A 041090
TSipliaeva, O N 033464
TSipris, D B 041271
TSirkov, I 038859
TSoi, IU I 035823
TSolova, M 037532
TSolova, M I 037322
TSoneva, A 038130
Tsou, H L 034661
Tsuchiya, A 035724
Tsuchiya, M 037005
Tsuchiya, T 036035
Tsuchiya, Y 035121
Tsui, P T P 039818
Tsuji, T 035709, 040680
Tsujimoto, H Y 036813, 036815
Tsujisaka, Y 036328, 036730
Tsukada, K 036821
Tsukada, O 036851
Tsukihara, T 037299
Tsuno, Y 037544
Tsunoda, K 035121
TSurkani, S N 037413
Tsutsumi, T 036229
Tsutsumi, Y 035121
TSvetko, TS 032758
TSvetkov, S 038179
TSvetkova, F 038139
TSylev, E M 040723
Tsypanova, A N 040817
Tucarman, I 031366
Tucholska, H 037557
Tucker, J F 035116
Tucker, J M 036055
Tucker, W G 037629
Tucra, I 041084
Tueller, P T 036242
Tueva, O F 037705
Tufariello, J J 037067
Tugarinov, V V 036545
Tuite-Dalton, J 031109
Tukeeva, M I 038806, 038900
Tukhtaeva, S 039143
Tullett, S G 033133
Tully, J G 039492
Tuma, V 032740
Tumanian, E R 037668
Tumanov, I I 037434
Tumilowicz, J 035686
Tuomi, R L 035889
Turbin, N V 036647
Turchenko, E I 033342
Turchin, V V 040876
Turco, R P 041489
Turcotte, E L 036427
Turcu, G 039160
Turcu, M 034802
Turekian, K K 041216
Turell, M J 040186
Turetskaia, R Kh 036937, 037678
Turishcheva, M S 037744
Turker, R K 033893
Turnbull, A C 034840
Turner, B V H 039429
Turner, C 034996
Turner, D H 037058
Turner, G 036594
Turner, G L 037051
Turner, G M 033636
Turner, L H 033709
Turner, M R 032183
Turner, T R 041057
Turner, Y J 037844
Turnipseed, S G 039258
Turochkina, T M 037226
Turovtsev, N I 038474
Turowski, I A 036632, 036634, 036635
Turtura, G C 040662
Tusa, C 039052
Tusa, G 035736
Tushina, L F 035826
Tushishvili, L Sh 037268
Tuskes, S E 037805
Tustin, R C 032010, 035125
Tuvesson, M 037591
Tuyama, T 036327, 038394
Tveito, D 038418
Tveito, S 038421
Tverskoi, D L 038799
Twardosz, Sandra 032511
Twedt, R M 031949, 032116
Tweto, J 034104
Twigg, G G 033087
Tyagi, R N S 038721
Tyagi, R P S 033976, 034899
Tyagi, S N S 038663
Tyihak, E 037336
Tyldesley, J B 037496
Tyler, T 034155
Tyler, W J 034001
Tym, Z 041667
Tys, K O 034523
Tyson, B J 037168
Tyszkiewicz, S 035688
Tyukavkina, N A 035730, 037905
Tyurina, L V 036062
Tzipori, S 035001
Ubaev, Kh U 036875
Ubertini, L 041233, 041485
Ubukata, H 039850
Uchida, I 037258
Uchida, M 037165
Uchino, A 036573
Uchinuno, Y 035010
Uchiumi, K 039251
Udalova, V V 031512
Udarbe, M P 035601
Udilov, V I 040550
Udovenko, G V 037429
Udris, A 033681, 034504, 034844, 034845, 034846, 034847
Udupa, K N 033969
Ueckert, H 034831
Ueda, R 031267
Uehleke, H 035391
Uemura, K 039047
Ueno, J 037072
Ueno, T 037783
Ueyama, Y 037542
Ufferman, R C 034154
Ufimtseva, K A 040951
Ugarova, N N 036806, 037219
Ugrekhelidze, D Sh 037635
Ugriumova, V N 037535
Uhl, N W 036265, 036266
Uhlmann, F 031520
Ui, T 038816
Uichanco, N M 034378
Ukai, N 031259
Ukita, T 036809
Ul'chenko, N T 032772
Ul'ianova, D A 037624
Uliashova, R M 040730
Uliasz, M 033719, 033720
Ulinici, A 038146
Ulitcheva, I I 036689
Ullasa, B A 038647
Ullmann, W W 032975
Ullrich, J 037312
Ullrich, K J 033943
Ulmer, R L 032303
Ulrich, G 040942
Ulrich, R 033348
Ulubelen, A 037196
Ulugbekova, G 037745
Umamaheswaran, V 035326
Umarov, A U 032770, 032771, 032772, 033212
Umarov, Sh A 039278
Umbrazhyunaite, O P 040790
Umeki, K 033262
Umoh, I B 033524
Unal, A U 041299
Unala, N 040538
Ungaretti, L 037059
Unger, G 033985
Unger, P W 040785
Ungley, D C 035522
Ungurian, A M 041086
Unnikrishnan, V 032079
Unnithan, G R 032791
Unterhalt, B 032924
Unverfahr, H J 040212
Uozumi, T 038613
Upadhyay, K G 032973
Upadhyay, S N 033633
Upchurch, R P 039132
Upper, C D 038759
Uppstron, B 033299
Uprety, D C 037615
Urabe, H 036106
Urazakov, I U 033303
Urban, L 033595
Urban, P 037809, 041628
Urban, R 031329
Urbanova, J 035374
Urbanova, Z 035230
Urbina de Alcayaga, A 041093
Urdusheva, B 036875
Uribe, I 031930
Uriyo, A P 040969
Urrutia, J J 032262, 032314
Ursu, V A 038476
Urvolgyi, J 034959, 039472
Uryvaeva, I V 039932
Usacheva, N T 032487
Usadel, K H 034639
Usenius, A 035846
Usenko, L I 039916
Usher, D 032292, 032350
Usher, J F 037989
Usherwood, P N R 039775
Ushkempirov, A M 037570
Uskov, A I 041258
Usmanov, B Z 036876
Usmanov, P D 036543, 036546
Usmanova, O V 036546
Usova, T K 036526
Uspenskii, I V 039501
Usselmann, P 041173
Ustynovs'ka, L T 035508
Usui, K 035121
Utagawa, T 037006
Utemisheva, N V 036524
Utermohl, H 039626
Utley, P R 038049
Utne, R 033679, 033680, 034842, 034930, 034931, 035450
Utsunomiya, H 033195, 033196
Utter, M F 034148
Uturashvili, E A 033440
Uwo, J N 039210
Uyeda, I 038883
Uzhintseva, L P 036528
Vaate, A B de 036021
Vachnadze, V IU 037270
Vaclavik, J 037367
Vadzhipov, O YA 033213
Vafai, A 035741
Vafopoulou, A 032995
Vagabova, M E 037249
Vagujfalvi, D 037336
Vaidya, M 033968
Vaidya, S V 034461
Vaidyanathan, C S 036992
Vail, S L 031957
Vaillant Callol, M 033509
Vaillant, M 041496
Vainshtein, B A 040053
Vaintraub, I A 037702
Vaisblai, I M 037821
Vaisburd, A A 035819
Vajda, S 036724
Vajdai, I 041218
Vajdal, I 037999
Vakar, A B 037359
Vakhidova, L R 036973
Vakhimistrova-Blokhina, S 041005
Vakhmistrov, D B 037584
Vakhrusheva, E I 036509
Vakul'chik, M N 040874
Vakuvchiev, D 041033
Val, M S 034144
Valadon, G 039835
Valadon, L R G 036163
Valasuteanu, E 031727
Valcic, A 038931
Valdes, A 031846
Valdes, M 040789
Valdivia B, V 036639
Vale, G A 039842
Vale, T R 031164
Vale, W 033777
Valencic, F 034149
Valentincic, S 035460
Valenza, F 035043
Valeri, A 035045
Valiakhmedov, B V 039975
Valiela, I 040996
Valiushkin, K D 034852
Val'kov, V F 040725
Vallerani, R 035458
Vallet, 039539
Valmonte, A D 035750
Valodzin, U H 037465
Valsecchi, F 036016
Valuta, G 038106
Valutsa, A D 033458
Valverde, S 037158
Vamadevan, V K 037440, 038024
Van Berkum, P 040666
Van Blarcum, C L 039227
Van Buren, J P 033322
Van Campo, M 036343
Van Dam, J 041406
Van Delden, R J 035930
Van den Hoek, C 036109
Van Der Heide, L 035044
Van der Maaten, M J 035108
Van der Vynckt, Susan 032440
Van Dyk, L P 039590
Van Dyne, D L 031901
van Emden, H F 039837
Van Etten, R L 033761
Van Genuchten, M T 040769
Van Keuren, R W 034769
Van Keuren, W E 032060, 032062
Van Lancker, J 033277
Van Liew, G P 035877
Van Vleck, G 031903
Vana, J 036015
Vanasek, J 035373
Vandepeute, J 037519
Vanderbruggen, M 038511
Vanderhaegen, J 031717
VanDerSchaaf, P 039276
VanDerWoude, W J 037522
Vane-Wright, R I 040111
Vang-Petersen, O 041108
Vanhaelen, M 037167
Vanhaelen-Fastre, R 037167
Vankai, T A 031610, 031826
Vanngard, T 036929
Vansulin, S A 039497
Vanzetti, C 041340
Varadi, G 035545
Varbo, H O 031621
Varchuk, S S 037603
Vardell, H H 039653
Vardharajan, G 039287
Varenitsa, E T 038154
Varga, Gy 041221
Varga, I 040475
Varga, P 038121, 038145, 038146
Varga, S 041222
Varga, V 040407
Varga, Z 040156, 041499
Vargas de Rozo, E 040694
Vargas, J M Jr 039569
Varlet Grancher, C 037490
Varma, D N 034382
Vartapetian, B B 037360
Varyushkina, N M 041097
Vas, A 040409
Vasan, N S 033843
Vashi, P S 038030
Vashishta, M S 035083
Vasilenko, A I 040471
Vasilenko, N M 038189
Vasilenok, L I 036970, 037402
Vasilescu, A 033290
Vasilev, G 037552
Vasil'ev, G M 035801
Vasil'ev, M E 035485, 035512
Vasil'ev, N P 038580
Vasil'eva, I M 037417
Vasileva, L 035056
Vasilevich, V I 039696
Vasilica, C 038105, 039157
Vasiliu, M 038111, 041415
Vasil'kevich, S I 033442
Vasineva, L V 040879
Vaskan, G K 040791
Vass, J K 035216
Vasseaux, J 038088
Vasseur, J 041626
Vassileva Grancharova, TS 036819
Vassileva, M 036480
Vassiljevskaja, V D 036188
Vasudeva, N 036982
Vasuki, K 039578
Vasyl'iev, S I 035276
Vatamaniuk, G V 038469
Vatcu, M 038143
Vaulin, A V 037265
Vaulina, E N 036512, 036513, 039761
Vaux, H J 035862
Vavrova, D 035226
Vayssiere, P 036171
Vaziri, A 037190
Vecerek, J 040303
Vecher, A S 033340, 033442
Veiner, A G 033340
Veire, M van de 039349
Veitsman, L N 034631
Vekshina, L K 036514
Velasco i Batlle, E 035937
Velasco, J 032071
Velasco, V S 033160, 039344, 040102, 040103
Velayudham, N 036303
Velchev, V 041034
Velde, H A te 040889
Velev, B 039135
Velikanov, G A 033879
Velikii, N N 032497
Velisek, J 032855
Velitok, I G 034804
Velly, J 040964
Velthuis, H H W 039956
Veltkamp, H J 041102
Vendt, V P 033753
Venger, A 031479
Venis, M A 037594
Venkatachalam, P S 032441
Venkataraman, L V 032407, 032408, 032417
Venkataramanan, D 036982
Venkitasubramanian, T A 032343, 032405, 037053
Venkov, T 033881
Vera, P 032293
Verbeke, R 034160
Verbina, N M 037236
Verbitskaia, G M 032918
Verburg, G B 033184
Vereshchagin, A G 033257
Veress, L 034394
Vergnet, L F 035702
Verhaar, H M 036416
Verhaegh, A P 031791

Verhaeren, E H C 037198
Verheij, C P 040514
Veri, L 036018
Verite, M 034288
Verite, R 034288
Verkhusha, V M 031389
Verma, A 034382
Verma, C M 040883
Verma, H N 038904
Verma, K 037565
Verma, M M 037565
Verma, M N 038860
Verma, O P 038654
Verma, P R 038587
Vernardi, G 034137
Vernier, R L 035343
Vernin, P 034570
Verry, E S 041436
Verter, W 034108
Vertriest, W 031495
Verzhanskii, V V 031504
Verzilov, V F 037849
Vesela, V 033116
Veselov, I IA 037535
Veselsky, M 035257
Vesely, J A 034596
Vespa, B 031014, 031150, 031151, 031779
Veszely, P 034539
Vetler, James L 032675
Vettorazzi, G 039592
Vevai, E J 039543
Vevle, O 036090
Veyrat Garcia, P 038278
Vezda, A 036013
Veznik, Z 035452
Viala, G 037141
Viaud, P 032733
Vibe, P P 035256
Vicentini, L 032384
Vickerman, G P 039290
Vickery, H B 032510
Vicovan, A 034484
Vidaver, W 036808, 037674
Vidhyasekaran, P 038704, 038712, 038713, 038862
Vieira, C 038005
Vieira de Mello, A 032259
Vieira, S A 031503
Viets, K O 040148, 040170
Vietti-Michelina, M 033446
Vieweg, B 038187
Vig, A K 036989, 037751
Vig, M M 033981
Vig, O P 036989, 037751
Vigil, E L 037079
Vignes, D 037141
Vigon, E 035934, 035936
Vigue, J 037731
Vijayaraghavan, B 038604
Vik, A M 031740
Viken, N 035842
Vilela, E 037378
Villafranca, S 034098
Villareal, G D 032261
Villavelez, L 035752
Villiers, T A 037845
Villumstad, E 031969
Vincedon, M 037295
Vincent, E J 036860
Vincent, J F V 039836, 039840
Vincze, M 039089
Vines, G 038111, 041195
Vines, V 041085
Vinogardova, E B 039713
Vinogradov, B A 033439
Vinogradova, E B 039500
Vinogradova, K A 037211
Vinokhodov, V M 041461
Vinokurov, M A 040810
Vinson, S B 039203, 039271
Vinther, K 034561
Vir, S 038677, 038687, 038720
Viraktamath, C A 039997
Virgo, B B 039533
Virkki, N 040087
Viroben, G 034289
Vis, J de 031495
Visek, J 034937
Vishakantaiah, M 039038
Vishnevskaia, T M 039972
Vishnevskii, N 040362
Vishniakova, I A 037536
Vishveshwara, S 036552, 036553
Vishweswara, S 038548
Viskova, R S 035283
Vismara, C 038727, 039553
Visperas, R V 033227
Vissarionova, V IA 032153
Visser, A C 033032
Visser, C J 031087
Visser, K R 034135
Visser, L 037649
Visvanathan, T R 041245
Viswanathan, L 037053
Viswesvara, S 036551
Visweswariah, K 039532, 039590
Vitagliano, C 038362
Vitale, J J 032264
Vite, J P 039404
Viter, A F 041214
Vitrinskaia, A M 037220
Vitt, D H 036186
Vitto, M 037803
Vizarova, G 038579
Vizel'man, A I 038528
Vizel'man, B B 037212
Vizi, I 039092
Vladutu, I 039161
Vlaicu, E 031367
Vlakhov, S 032892
Vlasenko, V O 033584
Vlasenok, L I 036977
Vlasov, V B 033774
Vlasova, N V 032493
Vlassak, K 037889
Vlcek, J 035266
Vlcek, Z 034864
Vlitos, A J 033247
Voets, J P 032109, 032875
Vogel, E 039881
Vogel, G 038285, 038321, 038324
Vogelzang, A A 032158
Voges, B 037887
Vogt, A 031284
Vogt, H 034383
Vogt, H H 035569
Vogt, H P 033919
Vogt, M 034074
Vohra, P 034387, 034648
Voigt, P W 036440
Voigtlander, G 037608
Voilokov, A V 036669
Voinarskii, I N 037229, 037230
Voinov, N 038130
Voinova, Zh 040747
Voisey, P W 032871
Vojenciak, J 035386
Vo-Khactu, K P 032323
Volcani, R 033515, 034275
Volger, H G 037651
Volk, V V 039559
Volkel, H 031456
Volker, E 040448
Volker, H 034834
Volkov, G K 035252
Volkov, S V 035589
Volkova, L V 037237
Volkova, N V 036970, 037402
Volkova, R I 037862
Volkova, V F 040869
Volkovskaya, N G 040689
Volks, B 033377
Vollaers, J A 040500, 040503
Vollbrecht, G 040326
Volleidt, L P 037418
Volobuev, V T 034823
Voloshchuk, I A 041251
Voloshina, D A 037213
Volotnikova, E V 036661
Volovik, O I 036970, 037402
Volpi, R 031091
Volynets, A P 036933, 037275, 037385
Volzke, W 040433
Von Elbe, J H 032809
von La Chevallerie, M 034250
Von Stryk, F G 039130
Vonsavichene, V N 037857
Vontorcik, J 031017, 031019
Voorhoeve, H W A 032474
Vora, A B 037346
Vora, V J 039326
Vorhaben, J E 034036
Vorob'ev, I G 034852
Vorob'ev, L N 037584
Vorob'eva, A K 040564
Vorob'eva, G I 037222
Vorob'eva, I A 036909
Vorob'eva, L I 037219
Voronevskii, S I 041117
Voronin, E S 035205
Voronin, N 038060
Voronitsyn, K I 035588
Voronkov, L A 038605, 038808
Vorontsova, L G 036848
Vorozhbitov, V 040274
Vorster, T H 034548
Vorwerck, K 033234
Vo-Sang-Nghiep, 040402
Voskanian, V B 034180
Voskoboinikova, G V 038208
Voskresenskaya, N P 037449
Vostokova, E A 036250
Vovlas, C 038915
Vrana, D 036833
Vrana, J 040301
Vranceanu, A V 038108
Vranceanu, V 038121
Vrany, J 037435
Vrbova, G 034124
Vreden, G van 039510
Vrejba, S 038147
Vries, K J de 031552
Vries, T de 040514
Vroomen, C O N de 031261
Vrtel, M 034865
Vrzgula, L 034227, 034510, 034939
Vtorov, P P 039966
Vu Kuang Kon, 039969
Vu Quang Kon, 039715
Vudmacka, V IU 034520
Vukov, K 033218
Vulchanov, D 038131
Vulchanov, P 037551
Vulchev, V 036533
Vulkanov, G 034535
Vulpe, V 038121
Vuyst, A de 034919
Vyas, A V 037346
Vyas, K M 038640
Vyas, S C 038615, 038714
Vyas, S H 032973
Vyblov, B R 038210
Vyblova, A V 038210
Vyhovs'kyi, V P 041126
Vyskrebentseva, E I 037425
Vyskvarko, G G 038787
Waaland, J R 037174
Wabersich, R 041357
Wachmann, E 039953
Wada, H 033737
Wada, J 037766
Wada, K 037293
Wada, M 032849
Waddington, D V 041057
Waddy, B B 039460
Wade, E K 038220, 038947
Wade, G L 033385
Wade, M 035511
Wadia, M S 037750
Wafford, J D 038570
Wagar, J A 035565
Wagenfuhr, R 035771
Waggoner, P E 031141
Wagley, H O 031613
Wagner, F 033588
Wagner, J 033000
Wagner, K H 032389
Wagner, M A 038924
Wagner, R L 038894
Wagner, R T 031026, 031027
Wagner, W C 034541
Wagstaff, H R 031577
Wahl, I 038769
Wahlin, B 039062, 039063
Wais, U 037312
Wakabayashi, Y 036823
Wakelin, D 035180
Wakhloo, J L 037778
Waki, H 036728
Walch, S 037080
Walden, D B 037381
Waldman, M 037480
Waldo, D R 034483
Waldschlager, G 038009
Walen, H 038337
Walker, C H 039584
Walker, D 036220
Walker, G L 039709
Walker, H W 031984
Walker, J R L 037285
Walker, L L 036818
Walker, M A 032357, 032517
Walker, Mabel A 032402
Walker, N 034399, 039549, 040651, 040666
Walker, N A 037041
Walker, P 040965
Walker, S M 034069
Wall, J S 033209
Wallace, B 039730
Wallace, L J 034884
Wallace, R R 039746
Walland, A 035366
Wallbridge, A 032135
Wallen, V R 038871
Wallenta, W 041165
Wallin, G 041320
Wallin, G P 041298
Wallis, G W 035471
Wallis, R 034155
Wallize, J A 031139
Wallner, E 036803
Wallnofer, P 039599
Wally, Y A 037688, 037689, 038291, 038292
Walmsley, R D 036349
Walpole, A L 034643
Walsby, A E 036831
Walter, B 033782
Walter, K 033612, 034341, 034342
Walter, W M Jr 033412
Walters, C S 035780
Walters, W H Jr 041367
Waltinger, H 039456
Waltl, K 033231
Walton, D W H 036200
Walton, G M 032884, 040257, 040259
Walton, G S 035317
Walton, H F 041528
Walton, J M 031212
Wample, R L 037384, 037529
Wampler, S N 033709
Wandschneider, K 032821, 033375, 033378
Wang, D I 039265
Wang, K 034146
Wang, L K 041627
Wang, P J 038892
Waranabe, T 037020
Ward, C M 037629
Ward, C W 039639
Ward, Constance 032221
Ward, D N 033704
Ward, G M 041059
Ward, J B 034462
Ward, J D 039174, 039176
Ward, N I 039041
Ward, P F V 035182
Warmbier, W 031524
Warner, J L 041657
Warner, K 033252
Warnick, A C 034599
Warren, E P 034417
Warren, H L 038765
Warren, M A 039630, 039631
Warren, M R 041651
Warren, W G 035896
Warren, W R 034722
Warrier, S B K 032795
Wartenweiler, H 040364
Wasan, D T 041563
Waslien, C I 032781
Wasmund, R 033306
Wasserman, R H 033814
Wassermann, L 033230
Wasshausen, D C 036139
Wassmund, G 031340
Wasyl, Z 033839
Watanabe, H 031227
Watanabe, I 037546, 037547
Watanabe, K 033409, 035530, 035531, 035532, 035639, 038397
Watanabe, M 034978
Watanabe, T 039999
Watanabe, T K 039753
Watanabe, Y 035011, 037165
Watase, M 037137
Waterlow, J C 032180
Waters, R 036557
Waters, S T 031002
Watkins, W B 033860
Watson, A K 039105
Watson, D L 034998
Watson, J A L 039813
Watson, J D 034559
Watson, L 035964, 036114
Watson, T F 039283
Watson, W A F 039879
Watt, Bernice K 032199
Watt, R G 035114
Watts, D M 039473
Waxman, M F 036593
Wayman, J A 040458
Wayman, M 032333
Wazny, J 035765
Wear, S F 038279
Wearmouth, W G 032877
Wearne, R A 040260
Weatherhead, A V 040704
Weaver, F J 032297
Weaver, G M 038357
Weaver, R 033323
Weaver, R E 032111
Weaver, R J 038531
Weaver, W H 040767, 041044
Webb, B 037172
Webb, B D 036444, 037997
Webb, J 034775
Webb, J V 039905
Webb, K E Jr 033572, 034002, 034171, 034466, 034467, 034468, 034471, 034472, 034475, 034477, 034478
Webb, M 035407
Webb, M D 040095
Webb, N B 033095
Webb, R W 032266
Webb, W A C 039107
Weber, D J 037318
Weber, F 032987
Weber, G 039517
Weber, M 040113
Weber, S 033287
Weber, U 033922
Weber, W 031166, 039690
Webster, P L 039054
Webster, R K 038776
Webster, W B 037992, 038022
Weckwerth, H W 041325
Weeks, C 036789
Weeks, G 036789
Weger, N 035393
Wehlburg, C 038964
Wehmiller, J F 036172
Wehner, R 040252
Weht, S 038934, 038935, 038936, 038937, 038938
Wei, L S 033240
Weichert, Carol 032444
Weidner, H 039421
Weidner, M 037330
Weie, O K 034434
Weiher, O 033673, 034323, 034500, 034578
Weihrauch, John L 032199
Weihs, O 035550
Weijers, P J 036592
Weinert, R 031169
Weinges, K 037081
Weininger, Jean 032380
Weinstein, B 037174
Weinstock, A 032129, 032905
Weintraub, H 035188
Weir, B S 039752
Weir, F J 038439, 038440
Weirauch, I 031203
Weisburger, J H 032035
Weiser, J 039365, 039439
Weisflog, A 037148
Weisleder, D 032858
Weismann, L 039318
Weiss, A 040314
Weiss, H 032009
Weiss, H G 035874
Weiss, J R 034003
Weiss, L C 031959, 033158
Weiss, M J 035111
Weiss, Steve 032627, 032631, 032636, 032657
Weiss, V E 032878
Weissberg, B G 041363
Weisse, I 034117
Weisser, K 031337
Weisshaupt, F 040411
Weith, L 033279
Welch, G R 037241
Welkoff, L 033374
Wellburn, G V 035781
Wellemans, G 034987
Weller, E 034132
Weller, F 040428
Weller, S G 035954
Wellhoner, H H 035167
Wellington, G H 033089
Wells, H D 038596
Wells, J N 034106
Wells, N 040703
Wells, R A 033399
Wells, R D 035104
Welsh, S O 034457
Wender, S H 037512
Wendt, C W 041047
Wengefeld, P C 041300
Weniger, J P 033757
Wenk, G 031327
Wentworth, B C 034001
Wentz, B 032110
Wentzel, K F 035604
Wentzer, M 035540
Wenzel, G 036719
Wenzl, H 038836
Werckmeister, E 038489
Were, H R 033928
Werner, E 035154
Werner, M 035632
Werner, R G 035938
Werner, T 035391
Werringloer, J 039595
Werschnitzky, U 031430
Weser, Elliot 032600
Wesley, L D 040580
Wesley, R L 032448
Wessely, E C 034574
Wessman, Fred 032581
West, J M 040591
West, Kelly M 032429
West, N E 036222
Westbrook, F E 040189, 040260
Westerbo, L 035524
Westergaard, J M 034883
Westergaard, M 036508
Westerman, P W 037289
Westlake, G F 041576
Weston, L H 040379
Westphal, B 035212
Westphal, E 039234, 039235
Westra, J J 035661
Westrate, W 041206
Westrum, K 031294
Weststrate, F A 041018
Weswig, P H 035369
Wetterau, H 033579
Wexels, W A 033110
Weygoldt, P 039951
Wezel, F M van 033810
Whalley, A J S 036157
Whanger, P D 035369
Wharrie, J R 036836
Wharton, R H 039440
Wheeler, B E J 038819
Wheeler, J R 039477
Whelan, T III 041486
Whisler, F D 040671
Whistler, R L 032768
Whitbread, R 038570
Whitcomb, C E 036246, 037831, 037832, 037833, 038452, 038453, 038454, 038455, 038457, 039056, 039173, 039174, 039175, 039176, 039177, 041064, 041065, 041066, 041067, 041068, 041069, 041070
Whitcomb, R F 039492
White, A H 037025
White, C H 032962
White, F H 035039
White, G B 039838, 040122
White, I R 038415, 040512
White, J D 037008
White, J W 040352
White, J W Jr 032823, 032826
White, L 034050
White, M 031625
White, Philip L 032363
White, T W 034439, 034441, 034442, 034448, 034736
Whitehead, C 038092
Whitehead, C C 034344
Whitehead, D 039314
Whiteside, E P 040772
White-Stevens, R 031009
White-Stevens, R H 035285
Whiting, M H S 034680
Whitlock, A J 038360
Whitney, D E 040684
Whitney, E K 031466
Whitsey, F 038288
Whittaker, J 035748
Whittaker, J B 036197
Whitten, R C 041489
Whittick, A 036073
Whittington, W J 036765
Whitton, B A 041247
Wiatroszak, I 038014
Wichard, W 039818
Wick, C M 038776
Wickel, H 038302, 038309
Wickings, E J 034639
Widdowson, J P 039040
Widmer, R E 040368
Widstrom, N W 036452
Wiebenberg, N von der W 033200
Wiecko, E 035489, 041614
Wiedemann, W 041441
Wiegand, H 035167
Wieland, T 037080
Wiemann, H 031061
Wiemken, A 037105
Wierenga, P J 040769, 040770
Wiering, H 037816
Wiertz-Hoessels, E L M J 034142
Wierzchos, E 034542
Wiese, A F 039103
Wiese, R A 041039
Wiesemuller, W 034397
Wiesik, J 035828
Wiggert, K 032748
Wigglesworth, V B 039825, 039826, 039827
Wight, P A L 033999, 034344
Wijaszka, T M 035164
Wijn, J F de 032469
Wikstrom, C 038610
Wilborn, E 031721, 035608, 040531
Wilbur, W D 038767
Wilcock, B P 035038
Wilcox, J A 039465
Wildanger, W 032921
Wilde, A 034926
Wilde, J de 037876
Wilder, M C 041204
Wilding, L P 040764, 040765
Wildung, R E 040804
Wilfley, J A 033542
Wilhelm, R 039908
Wilhelmy, H 031180
Wilke, G 034743
Wilke, K 031343
Wilke, O C 041047
Wilke, R F 041387
Wilke, W 032104
Wilkes, J M 038388
Wilkie, D 036565, 036584
Wilkin, D R 039414, 039416

Wilkinson, A 035883
Wilkinson, J M 034404
Wilkinson, P F 033096
Wilkinson, P R 039482
Wilkinson, R F 039865
Wilkinson, R S 039720, 040062
Wilkinson, W J 033597
Wilkomirski, B 037171
Will, D H 034152
Willadsen, S M 034682, 034702
Willaman, J J 035992
Willcox, T G 038281
Wille, D 037787
Wille, G 031333
Wille, H 040292
Wille, J J 037078
Wille, K 040412
Willeberg, P 035367
Willems, M 040841
Willems, M I 032012
Willemse, F 032461
Willett, L B 039591
Williams, A C 032011
Williams, B M 035480
Williams, C N 041109, 041110
Williams, D G 031607
Williams, D J 038992
Williams, E 036064, 036607, 036608
Williams, E J 037039
Williams, I A 035052
Williams, J A 033939
Williams, J C 041595
Williams, J L 033912
Williams, J W 038267
Williams, M 032305, 039335
Williams, P P 039146
Williams, R J R 033910
Williams, R T 039537
Williams, S C 041472
Williams, S T 040803
Williams, W B 034464, 034465
Williams, W T 031751, 036220
Williamson, D H 037112
Williamson, D L 039492
Williamson, J A 041582
Williamson, J H 039882
Willington, R P 035742
Willis, A C 037025
Willis, G H 041625
Willis, N L 039484
Willms, W 034352
Willshaw, G A 035107
Willson, R B 031646, 032831
Wilman, D 038048
Wilson, A T 035838
Wilson, B J 037179
Wilson, B R 033131
Wilson, C L 038917
Wilson, E 032447
Wilson, E O 039786
Wilson, F D 036422, 039274
Wilson, H R 038918, 038920
Wilson, J H 037847
Wilson, J R 041019
Wilson, J S 033909
Wilson, R E 036241
Wilson, R L 036422, 039274
Wilson, S C 034669
Wilson, S P 034675
Wilson, W R 038954
Wilton, A C 036302
Wimmer, H 031517
Winakor, G 032515
Winchester, R V 037790
Winefordner, J D 033410
Winfield, A L 038954
Wingo, C 032294
Winick, Myron 032456
Winkler, H 034211, 041141, 041142, 041153
Winn, H E 039574
Winnem, B 036084
Winner, C 038218, 038219, 039079
Winney, R 039506, 039508
Winter, S R 039103
Winter, U 040315
Winterlin, W 039567
Wintersberger, E 037100
Wipf, H K 039342
Wirth, A 038478
Wirth, F 033061, 033062, 033063
Wirth, H 041456
Wirth, W W 040003
Wirth-Dzieciolowska, E 034619
Wise, M B 034479
Wise, P M 034666
Wiseberg, L S 031798
Wiseman, A 037306, 037309
Wiseman, B R 036452
Wishik, Samuel N 032440
Wisky, E 034886
Wisniak, J 032897, 032898
Wit, C T de 031362
Withell, B 040380
Withers, N J 040579
Withers, R V 031882
Withrow, S 035422
Witkowski, Z 039384
Witt, H 038314, 038315
Witt, H T 037655
Witt, L 031677
Witt, W 031491
Wittenberg, K H 040411
Wittenberger, Ethel 032554
Witter, B 040988
Witters, W L 037144
Wittich, J 031438
Wittmer, W 040117
Wittwer, S H 031932
Witzel, D A 039562
Witzke, S 040430
Wizemann, V 033961
Wober, G 037302
Wobeser, G 035399, 035400, 039345
Woelkerling, W J 036135
Woerman, R L 034413
Woets, J 039071
Woffinden, J 041412
Wogan, G N 032037
Wohler, J R 037246
Wohlfarth-Bottermann, K E 036300
Wohllebe, H 040417
Wohlstrom, C 038507
Wojcieska, U 037506, 037509
Wojcik, K 034587, 034589
Wold, A 031106
Wold, F 033782
Wolde, H J 034499
Wolf, D 031664, 031672
Wolf, D D 037387
Wolf, D G 033396
Wolf, E A 036417
Wolf, F T 036758
Wolf, H 034499
Wolf, K 033723
Wolf, R 040344
Wolf, R H 034710
Wolfe, L G 034713
Wolfe, N L 041506
Wolff, E F 034903
Wolff, P 041435
Wolfinbarger, L Jr 036788
Wolin, M J 033754
Wolinska, E 034544
Wollast, R 041511
Wollmer, A 033919
Wolska, E 037506
Wolstenholme, D R 040356
Womersley, H B S 036363
Wompner, W 040377
Wong, C 037063
Wong, J 033846
Wong, K Y 040582
Wong, P K K 040593
Wong, R 037286
Wonka, R 035767
Wonneberger, M 040424
Woo, S L C 034584, 034642
Wood, B J B 037091
Wood, Beverly 032232
Wood, D M 040586
Wood, E A 036446
Wood, G 041492
Wood, G A 038927
Wood, J A 033527
Wood, R F 041646
Wood, R J 039450
Wood, W F 039936
Wood, W W Jr 041405
Woodhill, J M 032244
Wooding, F B P 032952
Woodroffe, G E 039213, 040011
Woods, C 040342
Woodville, H C 039416
Woodwell, G M 040684
Woolford, M K 033553
Worcester, B K 040697
Worker, G F Jr 037987, 040993
Worland, A J 036503
Worster, H E 035882
Worstorff, H 035004
Worthington, R W 035177
Woszidlo, H 041455
Woyke, J 040247
Wratten, N 036564
Wray, H 035679
Wray, P H 035678, 035680
Wright, C E 037974
Wright, D 031527
Wright, J C 036212
Wright, R F 034443
Wright, T R F 039747
Wright-George, J 035310
Wrigley, N G 039851
Wroblewski, H 038890
Wrzolkowa, T 033984
Wu, H L 037870
Wu, M M H 039136
Wu, S C 041604
Wu, T S 037029
Wu, Y J 034106
Wucherpfennig, K 033355
Wuidart, W 032890
Wunder, G 031057, 031063
Wunderlich, Ray C 032161
Wunsche, J 031284, 033379
Wurr, D C E 037761
Wurtman, R J 032455
Wustefeld, M 040435
Wuttke, W 034639
Wyatt, G R 039640
Wyk, L van 034061
Wyld, S G 035166
Wylie, C C 033735
Wyllie, T D 038666, 038698
Wynder, E L 032349
Wynn, S L 031214
Xiloyannis, C 041345
Yabuki, K 037930
Yabuno, T 036576
Yabuuchi, S 037514
Yadav, A S 038685
Yadav, D N 039275
Yadav, N K 036777
Yadava, R B R 037335
Yadava, R C P 033980
Yagi, K 033889
Yague, A 039095
Yahia, T A 041040
Yakovlev, A I 036893
Yakovleva, N S 040568
Yakubova, M M 037442
Yamabe, K 032752
Yamada, H 037639
Yamada, K 036040
Yamada, M 036577, 039649
Yamada, R 038734
Yamada, S 038401, 039024
Yamada, Y 034708, 039656
Yamagata, M 033195, 033196
Yamagishi, N 040712
Yamaguchi, H 037483
Yamaguchi, I 037619, 037620
Yamaguchi, O 039753
Yamaguchi, T 038573, 038813
Yamahata, K 035534, 035638
Yamakawa, T 034028
Yamamoto, M 038755, 040106
Yamamoto, S 031680, 038395
Yamamoto, T 033262, 035535, 035638, 036849, 039013
Yamamoto, Y 034090, 037284
Yamamura, S 036755
Yamanaka, M 036002
Yamane, O 035423
Yamane, Y 036574
Yamaoto, R 037545
Yamasaki, Y 031680
Yamashita, I 033319
Yamashita, S 038885
Yamauchi, K 032928
Yamazaki, F 038394
Yamazaki, I 037639
Yamazaki, T 036038
Yanagawa, H 037764
Yanagawa, R 035120
Yanagimachi, R 034701
Yanagisawa, Y 037539
Yanai, Y 032978
Yanez, E 032299, 032312
Yang, K H 031948
Yang, L K 037029
Yang, M G 032388
Yang, N S 037356
Yang, S F 037527
Yang, S P 032263
Yangisawa, M 033859
Yankelevich, B B 037859
Yanko, U 038623, 038624
Yano, B L 035343
Yano, H 035351, 035352
Yano, Y 037018
Yanoff, M 034037
Yansone, L A 035389
Yanushauskaite, V B 032946
Yanushkin, N 032754
Yarbrough, C 032257, 032273, 032314
Yarilova, YE A 040829
Yarnell, J J 041029
Yashovskii, I V 036692
Yasinskene, E I 040790
Yasnikov, A A 036970
Yasuda, N 035361
Yasumura, M 032465, 032466
Yates, I 036306
Yates, S G 037549
Yatscoff, R W 037131
Yavuz, H 041299
Yazykov, A A 037282
Yeager, C 032959
Yeager, J H 031170
Yeates, G W 039040
Yee-Meiler, D 038973
Yegorov, A B 040064
Yeh, P H 037027
Yemel'yanov, A F 040072
Yemma, J J 036415
Yermanos, D M 037392
Yeung, D L 032329
Yeung, E C 036293
Yin, C M 039661, 039662
Yitzhaki, D 038019
Yocum, C F 037820
Yoesting, D R 031217, 031218, 031219, 031220, 031221, 031222, 031223, 031224
Yokoiyama, A 034757
Yokoo, M 038571
Yokota, S 038613
Yokota, T 037619, 037620
Yokoyama, M 032765, 032766
Yokoyama, S 038887
Yokoyama, T 036150, 037902
Yokozawa, T 032200
Yonaha, K 036849
Yonath, A 034067
Yonekura, M 039613
Yonetani, T 034040
Yoneyama, T 033202
Yoon, K 037058
Yopp, J H 037153
Yora, K 038884, 038885
Yordanov, M 036628
Yordanova, Z 036628
York, C M 031630
York, J C 041661
Yoshida, C 037767
Yoshida, S 037592, 037968
Yoshida, T 034087, 037782
Yoshida, Y 037016
Yoshikawa, M 037766, 037767
Yoshikawa, S 033319
Yoshimura, N 034024
Yoshioka, J 040573
Yoshioka, S 034093
Yoshizumi, H 032865
Yosida, T H 034709
Yosizawa, Z 034027
Youde, J G 031870
Youland, D M 032358
Young, A M 040147
Young, B A 033850
Young, C T 032341, 038582
Young, D R 041473
Young, E P 033087, 034003
Young, Eleanor A 032600
Young, J A 033940, 033945
Young, J H 033300
Young, K K 041178
Young, L G 034353
Young, N E 034271
Young, T W 040894
Younkin, D E 041603
Youssef, F M 034265
Youssef, L M 031943
Youssef, M S S 034268
Youssef, N N 039938
Yu, C C 039341
Yu, P 038965
Yu, R 037477
Yudina, O S 037858
Yuill, T M 039473
Yukhananova, L N 036973
YUkhnovskii, G D 032859
Yukitomo, S 035014
Yun, S 037019
Yunin, A N 033118
Yunus, M 036270
Yunusov, S YU 036881, 036886, 036891
Yurchenko, L A 033340
Yurchenko, L V 036676
Yurina, N P 036972
Yusupova, G A 036973
Zabala Lapeyra, J A 034970
Zabel, C 040938
Zabian'kova, K I 037465
Zabik, M J 039527
Zablocki, Z 041684
Zabolotskii, V A 035203
Zaborowska, D 036597
Zaburunov, V A 035824
Zach, R 039386
Zachariah, K 038893
Zacharias, C A B 036400
Zacharias, H 031288, 031318
Zacharieva-Stoilova, B 039998
Zachleder, V 036829
Zack, A 041202
Zadoo, S N 036717
Zaerr, J B 035478
Zafar, C A M 038228
Zafra, M 037913
Zagoni, I 035739
Zagorski, S J 037245
Zagrodnik, G 035151, 035153
Zagrodzki, S 033312
Zagumennykh, V P 040550
Zagustina, N A 037117, 037227
Zahara, M 038376
Zaher, M A 039208
Zahn, H 033919
Zahradnikova, M 035230
Zahran, M 037609
Zaichikov, B V 038212
Zaichikova, Z P 039945
Zaichkin, E I 036307
Zaitsev, A N 032499, 032503
Zaitsev, K P 041117
Zaitsev, V M 035803
Zaitseva, G V 037228
Zaitseva, I F 040047
Zaitseva, M G 037433
Zaitseva, N A 036970, 037402
Zajac, E 040554
Zajaczkowski, J 035622, 035689
Zajicek, D 035274
Zajicek, O T 041347
Zakaria, A M 038266
Zakharov, A I 038154
Zakharov, I A 036676
Zakharov, I K 039920
Zakharova, G 041004
Zaki, M H 032935
Zaki, M T M 032245
Zakirov, M Z 037234
Zakirov, S Kh 036888
Zakordonets, A A 035254
Zakordonets, V A 039396
Zakrzhevskii, P I 041268
Zalashka, M V 037000
Zaleski, T 041464
Zalewski, W 034777
Zalibekov, Z 038523
Zalik, S E 033790
Zama, M 033792
Zaman, I 039411
Zamashchikov, B I 035794
Zambakhidze, N E 037268
Zambotti, F 032384
Zamfirescu, M 033292
Zamora, J 035196
Zana, J 038001, 038600
Zand, R 036804
Zander, G 034148
Zanini, E 037971, 038044
Zannini, E 035394
Zantua, M I 040796
Zanuy, E 035027
Zapesochnaya, G G 036889
Zaprianov, S 036631, 037553
Zar, J H 041584
Zareba, R 035671
Zargarian, O N 037664
Zarkin, D A 031871, 039035
Zarling, D A 035131
Zarnitzky, I 038021
Zarzuelo, E 034974
Zaslavskii, V M 032859
Zat'ko, J 031225
Zatsepina, L N 040827
Zatyko, J M 038222
Zauberman, G 038623, 038624
Zauralov, O A 037283
Zavadil, Z 035685
Zavertyaev, B P 034816
Zavora, M 035224
Zawacki, Robert A 032606
Zaya, P 036606
Zayc, R 041444
Zborischchuk, YU N 040813
Zdruikovskaia-Rikhter, A I 037850
Zeddies, J 039102
Zeh, T G Jr 041574
Zehner, M D 032234
Zehni, M S 037630
Zeidenberg, D 038347
Zeidler, R B 034062
Zelenskii, M A 036641
Zelenskii, M I 037586
Zeltner, J 032714
Zel'tser, V IA 033458
Zeman, J 033686, 040391
Zeman, L J 037102
Zembrzuska, D 039535
Zemshman, A IA 036940
Zemskaia, A A 039519
Zenchenko, V F 037572
Zenk, M H 036866
Zepp, R G 041506
Zerem, A 038344
Zeuthen, E 037110
Zevenboom, W 036963
Zezulak, J 035228
Zgajnar, J 034526
Zham"iansuren, D 037827
Zharekeev, B Kh 036891
Zharomskii, V IA 034435
Zhbankov, R G 035722
Zhdamarov, V S 040533
Zhdanova, L A 033148, 033152
Zhebrak, E A 036461
Zhelev, R I 037431
Zhelezniakova, N IU 036515, 036525
Zheltonozhskaia, L V 037875
Zherebtsov, N A 036773
Zhgenti, M P 037577
Zhgenti, N A 034194
Zhigachev, A I 035376
Zhigalova, T V 037588
Zhigunov, A V 040742
Zhila, E D 036367
Zhimulev, I F 039694, 039924, 039926
Zhiteneva, T D 036773
Zhivalev, I K 034604
Zhivopistseva, I V 038605
Zhmaeva, Z M 040136
Zhuchenko, A A 039059
Zhuchenko, E V 033458
Zhugder, A 037827
Zhukov, A I 040826
Zhukov, A V 033257, 035811
Zhukov, V I 036656
Zhulavskaia, M N 041428
Zhuravlev, YU N 037590
Zhuravleva, I L 033149
Zhuravleva, L G 033474
Zidulka, A 033852
Ziegler, I 039057
Zielinski, K 033707, 033838
Zienkiewicz, O C 040584
Zier, L 040681
Zierer, H 031486
Zierold, R 040441
Ziiamukhamedov, R A 034218
Zijlstra, W G 034135
Zikowski, F 040182
Zil'bermints, I V 039244
Zilberstein, Y 038631
Zilka, G 038631
Zimdahl, R I 041000
Zimina, T K 038154
Zimka, J R 036923
Zimmer, A 032256
Zimmer, D E 038597
Zimmer, E 034331, 034333, 040435
Zimmer, M 034302, 034303
Zimmerman, R P 041628
Zimmermann, G 040329
Zimmermann, H 038321
Zimmermann, K H 041002
Zimova, D 038158
Zinchenko, V I 033462
Zinin, B I 035577
Zink, E W 032016
Zinkernagel, R M 034999
Zinkevich, E P 035735
Zinkiewicz, E 037504
Zinno, Y 038736
Ziobrowski, J 032729
Ziogas, Ch 031919
Zissman, A 033382
Zitko, V 041515, 041516
Zivert, A A 041259
Zlochevskaia, I V 037328
Zobel, B J 035647
Zocca, A 037729, 038463
Zoerner, H 039212
Zohdy, N Z M 039622
Zoldi, I 040478
Zolotovich, G 037252
Zolotukhina, E IU 038804
Zonderwijk, P 039191
Zonn, I S 041160
Zonn, S V 040600, 040610, 040611, 040612, 041156
Zook, E G 032070
Zorcher, H 031065, 038368
Zotov, A 041166
Zotov, V V 039364
Zrazhevskaia, T G 039058
Zschege, C 034872
Zsikla, Gy 034550
Zubarev, T N 036916
Zube, E H 041550, 041557
Zubenko, V F 038206
Zubko, T M 032148
Zuccherelli, G 038382
Zuchner, S 033589
Zueva, R V 036771
Zuidervaart, H 041623
Zuk, J 036597
Zumpt, F 040099
Zumpt, I 035424

Zumsteg, Doris 032700
Zupa, M 035270
Zupancicova, M 039472
Zurabishvili, T S 036879, 036880, 036897
Zurflueh, R C 039342
Zurzycki, J 038552
Zuttere, P de 036236
Zuzel, J F 041306
Zuzumanski, W 034901
Zvereva, G N 037434
Zvi, M 031624
Zwaginga, P 033002
Zwain, H 032922
Zwakenberg, A 033646
Zwanikken, G J 038496
Zweep, W van der 039192
Zwerman, P J 040999, 041658
Zwolinski, J 034565
Zydowo, M 033984
Zyrin, N G 040813, 040845
Zyuz'ko, A S 033149

SUBJECT INDEX

ABDOMEN
The ultrastructure of the **adult** *abdominal* cuticle of Tenebrio molitor L. (Insecta: Coleoptera). 039939
The **basal** *abdominal* segments of the Neuropteroidea (Insecta, Holometabola). A comparative study of skeleton and musculature. 039952

ABELMOSCHUS
Effect of washing, cooking and dehydration on the removal of some insecticides from **okra** *(Abelmoschus* esculentus Moench.). 032082

ABERRATION
Notes on **breeding** *aberrations* of the Chalk Hill Blue: Lysandra coridon (Poda). 039721
Root tips of Vicia faba [broadbeans] for the study of the induction of **chromosomal** *aberrations.* 036601
Polyploidization and **chromosomal** *aberrations* induced by mutagens in the open flowering sterile mutants of spring barley. 036706
Radiosensitivity aerial bulbils of garlic **[chromosome** *aberrations].* 036367
Chemical induction of **chromosome** *aberrations* in somatic cells of Drosophila melanogaster. 039878
Radiation-induced **numerical** *aberrations* in wild type Drosophila females. 039883

ABIES
Development and composition of the [wood] warty layer in balsam fir *[Abies* **balsamea].** II. Composition. 035897
Study of the settling process of various xylophagous insects on *Abies* **cephalonica** in Greece (Mount Parnis, Attica). 039374
Introduction of grand **fir** *(Abies* grandis Lindl.) to European forests. 035689
The presence of biseriate rays in **fir** *(Abies* alba Mill.) [Wood anatomy]. 035779
Some wood quality properties of Danish grown grand fir *[Abies* **grandis]** and Norway spruce [Picea abies]. 035734
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in *Abies* **grandis** [Susceptibility to insect and fungal pathogens]. 037919
Turbidimetry and colorimetry in the sulfur content determination of plants compared with the gravimetry method [Hay, **maize,** *Abies].* 037324
A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from coniferous *[Abies* **nephrolepis** and Picea ajanensis] forests of the Far East of the USSR. 039049
Choosing provenances of Norway spuce **[Picea** *abies]* in northern Sweden. 035633
Results from some research in northern Sweden with provenance hybrids of Norway spuce **(Picea** *abies).* 035636
The development of Norway spruce **[Picea** *abies]* plantations in northern Sweden. 035637
An economic model for selection of [forest] tree varieties [Fagus, **Picea** *abies].* 035641
Norway spruce **[Picea** *abies]* cultivation in the Baltic Province. 035671
Some wood quality properties of Danish grown grand fir [Abies grandis] and Norway spruce **[Picea** *abies].* 035734
Vertical distribution of microfungi in a spruce **[Picea** *abies]* forest soil in the south of Sweden. 036166
A comparative study of the wood destroying capacity in vitro of some butt-rot fungi in spruce **[Picea** *abies].* 038609
Measurement of phosphatase and esterase activity in Norway spruce **[Picea** *abies]* needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973
Contribution to the control of spruce gall aphids of the genus Sacchiphantes on Norway spruce **[Picea** *abies].* 039378
Negative secondary effect from green manuring with yellow lupine [Fertilizing **Picea** *abies* and Picea omorika]. 040904
An appraisal of the fir *[Abies]* **regeneration** problem. 035654
Rhizosphere of *Abies* **religiosa.** I. Microbiology and microbial activity [Soil microorganisms]. 040789
Scleroderris [lagerbergii] canker of Todo-fir *[Abies* **sachalinensis]** in Hokkaido, northern Japan. V. Relationship between disease development and forest type. 038613

ABNORMALITY
Effects of zinc deficiency on the infant rat which are associated with *abnormal* **adult** behavior. 032275
Relation of inbreeding to **chromosomal** *abnormalities* in laboratory mice. 034797
Effect of *abnormal* **climate** on fruit culture. 038396
The effect of 5-formyltetrahydrofolic acid on pyrimethamineinduced **congenital** *abnormalities* in the rat. 035370
Anomaly **content** of lead and zinc in soils affected by the antropogenic factor. 040720
Mycotoxin induced **developmental** *abnormalities* [Rats]. 035415
Isolation of plasma membranes from corn roots by sucrose density gradient centrifugation: an *anomalous* **effect** of Ficoll. 037522
Effect of [the acaricide] phthalophos on chicken **embryos** *[Abnormalities].* 035455
Mechanisms of *abnormal* **fermentation** of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
Genital *abnormalities* in adult Cicadellidae (Homoptera). 039702
Metabolic *abnormalities* in obesity: effect of exercise. 032294
On the compatibility of the electric conductivity in the California Mastitis Test for the detection of *abnormal* **milk.** 032103
Shrews: a review of the diseases, *anomalies,* and **parasites** [Laboratory animals]. 034911
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to *abnormal* **parturition** in rats. 034667
Gyrogonites of the family Characeae [algae] with *anomalous* **quantity** of spirals. 036001
The genital system [Diseases, *abnormalities,* **reproduction,** cats]. 034638
Anomalous **results** encountered when measuring acetylene reduction by soil bacteria. 040794
Abnormal **shapes** of drake spermatozoa nucleus. 034851
Reproduction and *teratological* **studies** with 1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) in the rat and rabbit. 035445
Results regarding leg and claw health in **swine** *[Abnormalities].* 035372
An *anomaly* in the **wing** of Bombylius erectus Brunetti (Diptera: Bombyliidae). 039707

ABORTION
Leptospirosis of sheep; natural infection by the serotype Leptospira **hardjo** *[Abortion].* 034984
Seed *abortion* in some species and interspecific hybrids of Eucalyptus [from Australia]. 037891
Complement-binding activity of immunoglobulins of sera of blood and ewe colostrum infected with **sheep** *abortion* virus. 035202
Outbreaks of *abortion-arthrogryposis-hydranencephaly* **syndrome** in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering defective calves. 035305
Outbreaks of *abortion-arthrogryposis-hydranencephaly* **syndrome** in cattle in Japan, 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. 035306

ABSCESS
A *hypophysis-abscess-syndrome* in **cattle.** I. Clinical investigations [Cornebacterium pyogenes]. 035168
Disc electrophoretic analysis of cellular components derived from Fusobacterium necrophorum [Bovine **hepatic** *abscesses].* 035014

ABSCISIC
The influence of gibberellic acid and *abscisic* **acid** on cell and tissue differentiation of bean callus. 036323
Abscisic **acid** content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. 037200
Proline accumulation in flooded and wilted sunflower and the effects of benzyladenine and *abscisic* **acid.** 037384
Changes in *abscisic* **acid** levels in developing grains of wheat (Triticum aestivum L.). 037476
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and *abscisic* **acid** activities in alfalfa (Medicago sativa L.) seedlings. 037480
Effect of salt and *abscisic* **acid** on in vitro activity of nitrate reductase in seedlings of Phaseolus aconitifolius [Moth beans]. 037611
Isolation of gibberellins A5, A32, A32 acetonide and *(+)abscisic* **acid** from Prunus persica [Peaches]. 037619
The role of *abscisic* **acid** in bud dormancy of di- and tetraploid varieties of grapevines. 037883
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of **exogenous** *abscisic* acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480

ABSCISSION
Fruit *abscission* in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. 037777
Variations of the physiological and hormonal state of cotton bolls and their relations to subsequent **release** of *abscission.* 037386

ACACIA
Productivity and management of mulga *[Acacia* **aneura]** in south-western Queensland in relation to tree structure and density [Grazing, sheep, cattle]. 037975
Molecular structure of the polysaccharide exudate from *Acacia* **baileyana** F. Muell. [Raw gum]. 032769
The effect of tree age and time of day for collecting the flowers on the flower yield, content and composition of **cassie** *(Acacia* farnesiana) essential oils. 037692
Indian species of Ravenelia. I. On *Acacia* **[Fungi].** 036027
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil [Black rot, papayas, Metrosideros collina, *Acacia* **koa].** 038763
Taxonomic patterns in amino-acids of *Acacia* **seed** globulins [from Australian species]. 036114
Triterpenoids, wax, alcohols & other constituents from *Acacia* **senegal** Willd. 036990

ACANTHACEAE
The genus **Aphelandra** *(Acanthaceae)* [New taxa]. 036139

ACANTHOSCELIDES
Field experiments on the control of the bean **weevil** *(Acanthoscelides* obtectus Say, Coleoptera, Bruchidae) by the release of sterile adults. 037798

ACANTHOSOMATIDAE
On a new species of Proctophantasta [pahangiensis] (Hemiptera), *Acanthosomatidae)* from **Malaysia.** 040025

ACARICIDE
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to *acaricides* **[Acarina,** Sarcoptidae, Psoroptidae]. 039510
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the rat [Residues, **formamidine** *acaricide-insecticide,* toxicity]. 039565

Effect of [the *acaricide]* **phthalophos** on chicken embryos [Abnormalities]. 035455
Resistance to *acaricides* of outdoor **populations** of the fruit tree spider mite Panonychus ulmi (Koch) on grapes. 039369
Basis for **selectivity** of *acaricides.* 039225

ACARINA
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South **Africa** *(Acarina:* Ixodidae) [Dairy cattle, pests]. 039470
Materials on the distribution of Ixodes pavlovskyi Pom. In the **Altai** *(Acarina,* Ixodidae). 040136
Three new species of the genus **Alycosmesis** *(Acari:* Terpnanufacture]. 040103
New species of **chiggers** *(Acariformes,* Trombiculidae) from bats in Iran. 040175
Soil forming function of **Collembola** and *Acarina.* 040710
Population structure and dynamics of the house dust mite Dermatophagoides **farinae** *(Acarina:* Pyroglyphidae) in Czechoslovakia. 039455
Relationships of immature Dermacentor variabilis (Say) *(Acari:* **Ixodidae**) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. 039485
First contribution to the ecological study of Ixodes ricinus (Linne, 1758) *(Acarina,* **Ixodoidea**) in southeastern France. 039436
A rapid spectrophotometric method for the monitoring of embryonic development in ticks [Boophilus decoloratus] *(Acarina:* **Ixodoidea**). 039893
Recent records of ticks, Ixodes cookei Packard and Dermacentor variabilis (Say) *(Acarina:* **Ixodoidea**) in southwestern Ontario. 040043
Effect of the host plant [kidney bean] nutrition on the population of the two spotted spider mite, Tetranychus urticae **Koch** *(Acarina,* Tetranychidae). 039329
A new species of the trombiculid mites, Straelensia tauricasp. n., *(Acarina,* **Leeuwenhoekiidae,** Apoloniinae). 040134
New water **mites** *(Acari,* Hydrachnellae) from Australia. 040170
Some laboratory observations on the biology and predaceous activities of the mite Pyemotes ventricosus **Newport** *(Acarina:* Pyemotidae) [Storage pests]. 039411
Organophosphorus resistance in a peach orchard population of predacious mites *[Acarina,* **Phytoseiidae**]. 039339
The **Phytoseiidae** *(Acarina:* Mesostigmata) of Puerto Rico [New taxa]. 040088
Studies on the biology of the predaceous mite Cunaxa capreolus Berl. *(Acari,* **Prostigmata,** Cunaxidae). 039208
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides *[Acarina,* **Sarcoptidae,** Psoroptidae]. 039510
Watermites (Hydrachnellae, *Acari)* from **standing** waters in Guatemala. 040148
Ageing and histological degeneration of females of spider mites (Tetranychus urticae Koch = Tetranychus telarius (L.) *(Acari,* **Tetranichidae**). 039955
Lack of specificity in assembly pheromones of soft **ticks** *(Acari:* Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, Argas brumpti]. 039479
The carotenoid content of galls produced by Eriophyes tiliae var. rudis Nal. *(Acarina)* on **Tilia** cordata Mill., leaves. 039400
Knowledge of the **tydeids** *(Acarina,* Trombidiformes) from apple orchards [Lorryia palsetosa, new taxa]. 040167
Effects of two cyclopropane miticides on Tetranychus **urticae** *(Acari,* Tetranychidae). 039198

ACARINE
Important and current information on foulbrood and *acarine* **disease** [of Apis mellifera]. 040204

ACARUS
An analysis of feeding in Cheyletus eruditus a predator of storage mites *[Acarus,* **biological** control]. 039415

ACCIDENT
Shortcommings in management work **causes** *accidents* [Use of electric equipment]. 040434
Conclusions from and *accident* in the **district** of Rostock [Use of electric equipment, animal production]. 040414
On the problem of [labor] *accidents* in the **livestock** industry. 031386
To avoid *accidents* at **work** with E 280 forage harvester. 040444

ACCLIMATION
Adaptation of local and *acclimatized* **cattle** breeds to high temperatures and solar radiation. 034178
Effect of **cold** *acclimation* on changes in blood metabolites induced by high-fat diet. 032381
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of *cold-acclimation* and of **exogenous** abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
On the possibility of the *acclimatization* of **imported** farm [insect] pests. 039245
Experiences on the *acclimatization* of the **Limousine** cattle breed at the Hajduszoboszlo State Farm [Hungary]. 034550
Acclimatization of **[ornamental]** tropical trees for interior use [Ficus benjamina, Brassaia actinophylla]. 038358
Ventilatory *acclimatization* and csf [cerebrospinal fluid] acid-base balance in carotid chemodenervated dogs at 3550 m. 034136

ACCOUNTING
Provisional results of **agricultural** *accounts* for the 1974-1975 accountable year. 031495
Accounting for **components** of error [Experimental design]. 031746
Infrafactory **cost** *accounting* system for repair enterprises of "Sel'khoztekhnika" [Farm machinery]. 031277
Use of electronic data processing in **farm** *accounting* [Management, Austria]. 031244
Bookkeeping carried out by the **farmer.** 3. [Farm management]. 031443
1973 agricultural **income** *accounts* of European Economic Community member countries. 031475
Integration of forest **planning** and *accounting.* 035540
Some aspects to be taken into *account* when **plowing** soils with excess of moisture. 041196
Finance and *accounting* for the **sugar** industry. 031468

ACENAPHTHENE
Polyploidogenic activity of **certain** *acenaphthene* derivatives [studied in barley]. 036707

ACER
Manganese deficiency—common in maples *[Acer].* 4. 038952
Tree genera. 3. *Acer*—of the **maple.** 038261
Effects of soil amendments and fertilizer on the establishment of silver **maple** *(Acer* saccharinum) in two soil types. 041066
Alpha-glucose 1-phosphate, a precursor in the biosynthesis of maltose in higher plants [Gentiana lutea, spinach, *Acer* **pseudoplatanus**]. 037303
Ribosomal cistrons in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in *Acer* **pseudoplatanus** cells. 037894
Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore *[Acer* **pseudoplatanus**] cells and intracistronic reiteration. A DNAhybridization study. 037895
Effect of the nitrogen source on the activites of key enzymes of carbohydrate metabolism in cultured plant cells in vitro *[Acer* **pseudoplatanus**]. 037939
Effects of clearcutting [Quercus, Carya, *Acer* **rubrum,** Pinus] on the diversity of breeding birds. 035477
Mini-production of maple syrup *[Acer* **saccharum**]. 033221
Sawing pattern effect on warp loss of hard maple *[Acer* **saccharum**] dimension stock. 035748
Seed source effects on sugar maple *[Acer* **saccharum,** culture]. 038253
A method of tracing fungi inoculated into the stems of living maple *[Acer* **saccharum,** Coniochaeta velutina]. 038578
Loss of ducklings following intake of maple *[Acer]* **seedlings** [Intoxication]. 035427

ACETABULARIA
Study of high-molecular-weight polyphosphates at different stages of development of *Acetabularia* **crenulata** [Algae]. 037282
Multinuclear stages of the life cycle of *Acetabularia* **mediterranea** [Algae]. 036348
The informational role of the action potentials in the cell of *Acetabularia* **[mediterranea,** Algae]. 036916
Polar distribution of RNA in cytoplasm of *Acetabularia* **mediterranea** [Algae]. 037271
Analog circuit of the *Acetabularia* **membrane** [Algae]. 037054

ACETAL
Poly(amide-acetals) and **poly(ester-acetals)** from polyol acetals of methyl (9(10)-formylstearate: preparation and physical characterization [Polymers]. 032858

ACETALDEHYDE
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, *acetaldehyde* **diethylacetal** (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431

ACETATES
YATP [adenosine triphosphate] value in Candida tropicalis grown on n-alkanes, fatty **acids,** and *acetate.* 036834
Use of **chlormadinone** *acetate* (Bovisynchron) for synchronizing estrus in cattle. 034865
A new **diterpenoid** *acetate* from Sideritis reverchonii. 037158
Microbial hydroxylation of steroidal delta 3,5 **enol** *acetates* [Rhizopus arrhizus, fungi]. 037292
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of **ethyl** *acetate,* methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Biosynthesis of ravenelin from [1-13C]-and *[1,2-13C]-acetate* **[Helminthosporium,** fungi]. 037289
Incorporation of [2-14C [carbon isotope] *acetate* into **lipids** of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Effect of **melengestrol** *acetate* on the hematology of buffalo calves. 033977
Zeranol implantation in grazing heifers and in combination with **melengestrol** *acetate* in feedlot-fed heifers. 034482
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, **methyl** *acetate,* acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the *21-acetate* of the **Reichstein** substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). 037116
The influence of **sodium** *acetate* in rations for finishing beef cattle. 034448
Determination of the **'starter'** *acetate* unit in the biosynthesis of pinidine [Pinus jeffreyi]. 037938
Determination of vitamin D3 and its isomers in D3 resins and in mixtures with **vitamin** A *acetate.* 032367

ACETIC
Necessity for proper timing of applications of 2,4-D [(2,4dichlorophenoxy) *acetic* **acid,** herbicide] to winter wheat. 039113
Efficiency of herbicides based on 2,4-D and MCPA associated with dicamba in wheat growing [dichlorophenoxyacetic acid and (4-chloro-o-toloxy) *acetic* **acid**]. 039158
2,4-D [(2,4-dichlorophenoxy) *acetic* **acid**] and its safe use [Herbicides]. 039167
Effects of **indol-3yl** *acetic* acid on floral induction and apical differentiation in Chenopodium rubrum L. 036762

ACETONIDE
Isolation of gibberellins A5, A32, A32 *acetonide* and **(+)abscisic** acid from Prunus persica [Peaches]. 037619
Structure elucidation of gibberellin A32 and its *acetonide* **[Peaches].** 037620
High-pressure liquid chromatographic analysis for **triamcinolone** *acetonide* in rice starch. 033263

ACETOXY
Crystal structures of *(5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione* and **(5E,12E)-7beta-acetoxybertya-5,12-diene** 3,14-dione [Bertya cuppressoidea]. 037025

ACETYL
Further studies on the peptido-galactomannan from the yeast form of Cladosporium werneckii. Identification of *O-acetyl* **substituents** and isolation of the peptide components following-beta-elimination. 036783
Turnover of 15N-14C [nitrogen isotope-carbon isotope] *acetyl* **urea** in sheep. 034321

ACETYLATION
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[formed by **mild** *acetylation* of lasiocarpine, toxicity]. 039101

ACETYLCHOLINE
Brain *acetylcholine:* control by dietary choline. 032455
Oppositional effects of *acetylcholine* and **isoproterenol** on isometric tension and cyclic nucleotide concentrations in rabbit atria. 034050
Breakdown of phosphatidylinositol in the pancreas in response to **pancreozymin** and *acetylcholine.* 033950

ACETYLENE
Anomalous results encountered when **measuring** *acetylene* reduction by soil bacteria. 040794

ACHETA
Morphofunctional state of principal organ system, life span, and fertility in the domestic **cricket** *Acheta* domestica during normal imaginal development and after allatectomy. 039930
Influence of social experience on sexual readiness of male house crickets, *Acheta* **domestica.** 039741
Cyclic guanosine 3',5'-monophosphate. High levels in the male accessory gland of *Acheta* **domesticus** and related crickets. 039640

ACHILLEA
Quercimeritrin from *Achillea* **neilreichii.** 036897

ACHRAS
A new Pestalotiopsis [versicolor] fruit rot of **Achras** *sapota* from India. 038670

ACIDOPHILIC
Studies on the ecology of actinomycetes in soil. VIII. Distribution and characteristics of *acidophilic* **actinomycetes.** 040803

ACIDOSIS
Acidosis and **level** of metabolism [Rabbits]. 033741

ACINAR
The *acinar* **ion** and water transport processes in exocrine glands. 033943
Membrane potential and conductance measurements in mouse and rat **pancreatic** *acinar* cells. 033955

ACORUS
Induction of sterility in male houseflies [Musca domesticus] by vapors of *Acorus* **calamus** L. oil. 039493

ACOUSTICS
Acoustic **behaviour** and migrations of field crickets Grylluscampestris. 039964
Genetic approach to the *acoustic* **communication** system of grasshoppers. I. Song pattern of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. 039829
Genetic approach to the *acoustic* **communication** system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and Chorthippus mollis. 039830
Prefrontal cortex and maipulatory go left-go right differentiation to *acoustic* **directional** cues in dogs. 033710
Natural selection and specialized chorusing behavior in *acoustical* **insects.** 039784
The Niagara **River** *acoustic* streamflow measurement system. 041332

ACREAGE
Report of *acres* **applied** for certification in 1975 by seed certification agencies. 038103
Yields of 2900 kg soybeans per *acre* under without **irrigation** conditions. 038122
Research at Coolnakilla is important for one **million** *acres* of hill land [Soil reclamation]. 041149
[Landscape] preservation policy and personal perception: a *200-million-acre* **misunderstanding** [Land-use]. 031195
A million gallons of water for a **single** *acre* of food [Irrigation]. 041460
Some figures about Brazilian agriculture and their *analysis[Acreage,* **statistics].** 031022
Forest thinning and **tree** *acreage.* 035662
Evolution of agronomic techniques in Italy in the last ten years [Field crops, *acreage,* **yields,** statistics]. 031764
Cereal growing in the Nonchernozem zone of the RSFSR *[Acreage,* **yields].** 031767

ACRIDIDAE
Grasshoppers of the genus Dociostaurus Fieb. (Orthoptera, *Acrididae).* II. 040070

ACRIDINE
Electron-microscopic examination of maize sterile mutants induced by *acridine* **dyes.** 036703
Fluorochrome staining of yeast [Saccharomyces cerevisiae] **nuclei** with *acridine-yperite.* 037118

ACRIDOIDEA
Studies on the acridoid genera Opiptacris Walker and Bumacris Willemse **(Orthoptera,** *Acridoidea).* 032461
The synonymy and distribution of the crenulata- and psittacina-groups of Atractomorpha Saussure 1862 (Orthoptera: *Acridoidea:* **Pyrgomorphidae).** 040169

ACRIDONE
Quinoline, quinazoline, *acridone,* and **related** alkaloids [Plants]. 036745

ACRONYCTA
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, *Acronycta* **rumicis].** 039726

ACROPETAL
Acropetal **transport** of exogenous beta-indolyacetic acid in potato sprouts. 037857

ACROSOMES
Simultaneous and differential staining of spermatozoids and especially of the *acrosome* by the **reacting** dyes procion printing green B and procion brilliant red M8BS. 034609
Influence of freeze rate, thaw rate and glycerol level on *acrosomal* **retention** and survival of bovine spermatozoa frozen in French straws. 034664
The **sperm** *acrosome* reaction and fertilization in the guineapig: a study in vivo. 034701

ACRYLAMIDE
Electrophoresis of blood proteins, tissue of the mammary gland and milk in *acrylamide* **gel.** 034184
Temperature of *acrylamide* **polymerization** and electrophoretic mobilities of nucleic acids [Plants]. 036760

ACRYLIC
5-nitrofuryl *acrylic* acid, a new conserving agent in vinification. 033435

ACTH
Effect of *ACTH* **[adrenocorticotropic** hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. 033885

ACTIN
Cycling aggregation patterns of **cytoplasmic** *F-actin* coordinated with oscillating tension force generation [Physarum polycephalum, fungi]. 036300
Electron paramagnetic resonance studies of *actin-lipid* **interaction** in aqueous media [Fish processing]. 032850

ACTINIDIA
Quantitative aspects of flowering in the **Chinese** *gooseberry(Actinidia* chinensis Planch.). 037789
Cultivars of Chinese **gooseberry** *(Actinidia* chinensis) in New Zealand. 038290
Effect of defoliation, shading, and tipping of shoots on flower bud development and vegetative growth of Chinese **gooseberry** *(Actinidia* chinensis Planch.). 038416

ACTINOBACILLUS
Characterization of **atypical** *Actinobacillus* lignieresii isolated from ducks with salpingitis and peritonitis. 035169

ACTINOMYCETALES
Studies on the ecology of actinomycetes in soil. VIII. Distribution and characteristics of **acidophilic** *actinomycetes.* 040803
Dextranase formation by mycelial fungi and *actinomycetes* **[Chromogenes].** 037211
Hygienic investigation of a proteolytic preparation obtained from *Actinomycetes* **[rumosus** tested as potential food additive]. 032153
Studies on the ecology of *actinomycetes* in **soil.** VIII. Distribution and characteristics of acidophilic actinomycetes. 040803

ACTINOMYCIN
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and *actinomycin* D: a **method** for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Mutagenicity of *actinomycin* D in **Neurospora** crassa [Fungi]. 036600
Pattern of binding of **tritiated** *actinomycin* D to Phaseolus coccineus [scarlet runner beans] polytene chromosomes. II. the entire chromosome complement. 036492

ACTOMYOSIN
Studies on the denaturation of fish muscle proteins. I. Physico-chemical and electron microscopical studies of freezedenatured **carp** *actomyosin.* 032767
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of **natural** *actomyosin* from mammalian skeletal muscle [Swine]. 034210

ACYL
Fat metabolism in higher plants. The function of acyl thioesterases in the metabolism of *acyl-coenzymes* A and **acyl-acyl** carrier proteins. 036782
Purification and characterization of **lipolytic** *acyl-hydrolases* from rice bran. 033249
Purification and characterization of **lipolytic** *acyl-hydrolases* from rice endosperm. 033250
Fat metabolism in higher plants: production of short- and **medium-chain** *acyl-acyl* carrier protein by spinach stroma preparations treated with cerulenin. 037653
Organ and interacellular localization of **short-chain** *acyl-CoA* synthetases in rat and guinea-pig. 033808
Fat metabolism in higher plants. The function of *acyl* **thioesterases** in the metabolism of acyl-coenzymes A and acyl-acyl carrier proteins. 036782

ADAPTATION
Behavioral *adaptation* in neonatal chicks following embryonic vestibular system rearrangement. 034058
Morphological and **biological** *adaptations* of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Adaptations of **buffalopox** virus to an established cell line. 035082
Adaptations of **chironomids** [Chironomidae] to intertidal environments [Geographical races and speciation]. 039616
Studies on the response of ewes to live **Chlamydiae** *adapted* to chicken embryos or tissue culture. 035035
New lines of cells and the *adaptation* to them of the **foot-and-mouth** disease virus [Livestock]. 035248
Are we operating still *site-adapted* **forestry?** 035514
Functionally suitable building sites, a prerequisite for competitive production, *adaptability* and the **further** existence of farms [Management]. 031243
Function oriented location for buildings, a prerequisite for cost saving production, *adaptability* and **further** expansion of farms. 040337
Adaptation of **[grain** cleaning unit] ZAV-20 for sunflower seeds. 040545
Adaptive **immunity** in hoofed animals in ontogenesis. 035201
Grape breeding and *adaptation* [for **insect** pest resistance]. 036538
Ultrastructural studies of development and **light-dark** *adaptation* of the eye of Coccinella septempunctata L., with particular reference to ciliary structures. 039940
Adaptation of **local** and acclimatized cattle breeds to high temperatures and solar radiation. 034178
Chiasma frequency and *adaptability* in **locusts.** 039729
Conversion and *adaptation* **measures** in secondary income farms. 031484
Plasma hemoglobin determination in Beagle dogs. An *adaptation* of the **method** of Crosby and Furth. 034098
The universal soil loss equation as *adapted* to the **Pacific** Northwest. 041184
Photosynthetic *adaptation* in the autumnization process [Wheat]. 037447
Photoregeneration and the *adaptation* **process** in insect photoreceptors. 039792
Adaptation of **Pythium** aphanidermatum to thiram [Tomatoes]. 038646
Connection of the *adaptive* **reaction** to the conditions of the arid zone with the type of the concentration of potassium in sheep blood. 034181
Mechanized direct-seeding of **rice** *adapted* to heavy rainfall condition in southeastern Japan. 038052
Metabolism of protein and nucleic acids during *adaptation* to various **types** of drought [Wheat]. 037429

ADDITIVES
Carbohydrate concentrates as an **essential** *additive* for cows on sown pastures. 034508
Reactions of nitrous acid and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents **[Food** *additives,* meats]. 031982
Sweeteners [as **food** *additives]-a* study in regulatory lore. 032023
Proposals concerning **food** *additives* [Preservatives]. 032106
Hygienic investigation of a proteolytic preparation obtained from Actinomycetes [rumosus tested as potential **food** *additive].* 032153
Food *additives* and hyperactivity; a comparison of food additives in the diets of normal and hyperactive boys. 032204
Citric acid—a versatile **food** *additive.* 032803
Hemicelluloses precipitated from steeping liquor in the viscose process used as *additives* in **papermaking.** 035726

ADENINE
The activity of glutathione-reductase and **flavin** *adenine* dinucliotide effect as indicators of the riboflavin allowance in experiments and in patients with phenylketonuria. 032498
Effect of *adenine* and **imidazole** derivatives and indolylacetic acid on membrane potential of the cells of root hair in Trianea bogotensis. 036939
Purification and properties of polyol: NADP **[niconinamide** *adenine* dinucleotide phosphate] oxidoreductase from pichia quercuum [Fungi]. 036731
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) **[nicotinamide** *adenine* dinucleotide phosphate] redox balances. 032865
Mutants of Aspergillus nidulans lacking **nicotinamide** *adenine* dinucleotide-specific glutamate dehydrogenase [Fungi]. 036561
Effect of NADP **[nicotinamide** *adenine* dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Identification of NADPH [reduced **nicotinamide** *adenine* dinucleotide phosphate]-thioredoxin reductase system in Euglena gracilis [Algae]. 037240
Adenine **nucleotide** changes at initiation of bull sperm motility. 034665
Energy-dependent release of *adenine* **nucleotides** tightly bound to chloroplast coupling factor CF [Spinach]. 037695

ADENOCARCINOMA
A malignant neoplasm resembling a circumanal **gland** *adenocarcinoma* in a dog. 035309

ADENOSINE
Effects of dibutryl cyclic AMP *[adenosine-5'-monophosphate]* on **cultured** brain cells from chick embryos of different ages. 033892
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and enzyme secretion by the pancreas **[Cyclic** *adenosine* monophosphate]. 033944
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a phosphorylation involving an *adenosine* **3':5'-cyclic** monophosphate-dependent protein kinase. 034200
CAMP **[cyclic** *adenosine-3',5',* monophosphate] as a second messenger in central blood pressure control [Cats]. 035366
Evidence for the existence of two types of cAMP **[cyclic** *adenosine-5'-monophosphate]* binding sites in aggregating cells of Dictyostelium discoideum [Fungi]. 036862
Attempts to detect **cyclic** *adenosine* 3':5'-monophosphate in higher plants by three assay methods [Oats, tobacco, potatoes, lettuce]. 037519
The influence of **cyclic** *3'5'-adenosine* monophosphate on the induction of tumour transformation of carrot tissue. 037875
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and *adenosine* **diphosphate** on the kinetic properties. 033763
Poly(adenosine **diphosphate** ribose) glycohydrolase in Physarum polycephalum [Slime molds]. 036786
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP *[adenosine* **diphosphate]-glucose** and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with rage of potatoes. 037814
The effect of ionic strength on the magnesium **ion-activated** *adenosine* triphosphatase of natural actomyosin from mammalian skeletal muscle [Swine]. 034210

Kinetic studies on rat liver and beef heart **mitochondrial** *adenosine* triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
Action of ADH [antidiuretic hormone], cyclic AMP *[adenosine* **monophoshate]** and theophylline on salt and water secretion in dog salivary glands. 033929
Effects of *adenosine* **3':5'-monophosphate-dependent** protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039
The role of calcium and of cyclic AMP *[adenosine* **monophosphate]** in pancreatic secretory processes. 033946
Role of calcium and cyclic AMP *[adenosine* **monophosphate]** in controlling fly [Calliphora] salivary gland secretion. 039799
Enzyme activity changes during cyclic AMP *[adenosine* **monosphosphate]-induced** stalk cell differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. 037048
Role of cyclic-AMP *[adenosine-5'-monophosphate]* on **morphogenesis** in Chironomus thummi thummi (Kieffer). 039804
Utilizaton of *adenosine* for **nucleotide** synthesis in the erythrocytes of some animals [Dogs, rats, guinea pigs, hens]. 034034
A fluorescent probe study of the lipid mobility of membranes containing sodium- and **potassium-dependent** *adenosine* triphosphatase [Sheep kidney]. 034105
The invivo effects of phytohemagglutinins on ATPase *[adenosine* **triphosphatase]** and fumarase enzymes in the rat. 034197
Histochemical study of the hyphae and the distribution of *adenosine* **triphosphatase** in Dendryphiella salina [Fungi]. 037317
Participation of *adenosine* **triphosphatases** in the transport of intermediate products of photosynthesis between assimilating tissues of C-4 plants. 037430
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of *adenosine* **triphosphate** and adenosine diphosphate on the kinetic properties. 033763
Adenosine **triphosphate:** nicotinamide mononucleotide adenylyltransferase of pig liver. Purification and properties. 033784
Pig heart mitochondrial ATPase *[adenosine* **triphosphate]:** properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Photosynthetic electron transport, ATP *[adenosine* **triphosphate]** synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
YATP *[adenosine* **triphosphate]** value in Candida tropicalis grown on n-alkanes, fatty acids, and acetate. 036834
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root nodule bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP *[adenosine* **triphosphate]** production at low free O2 concentration. 037051
An evaluation of ATP *[adenosine* **triphosphate]** estimations of bacterial biomass in the presence of phytoplankton [Algae]. 037087

ADENOSINETRIPHOSPHATASE

Developmental changes in the structure and kinetic properties of **myosin** *adenosinetriphosphatase* of rabbit skeletal fast muscle. 034025

ADENOSYL

Purification and properties of *S-adenosyl-L-homocysteine* **hydrolase** from leaves of spinach beet. 037640

ADENOVIRUSES

Isolation of a subgroup **two** *adenovirus* from calf with weak calf syndrome. 035031

ADENYL

Adenyl and **pyridine** nucleotides of the forms of Verticillium dahliae Kleb. differing in the pathogenecity. 038605

ADENYLATE

Adenylate **cyclase** and phosphodiesterase in rat pancreas. 033930
The action of some inhibitors and stimulators of phosphodiesterase and *adenylate* **cyclase** on electrolyte and enzyme secretion by the pancreas [Cyclic adenosine monophosphate]. 033944
Catecholamine **sensitive** *adenylate* cyclase activity in different segments of the rabbit nephron. 034123

ADHESIVE

Studies on *adhesion* of **fish** meat products to casing in fish sausage and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on *adhesion* of **fish** meat products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. 032766
Possible relationships between shear, tensile, and *adhesion* **properties** of meat and meat structure. 033094
Adhesive **properties** of enteropathogenic bacteria [Animal diseases]. 035146
Adherence **reaction** between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. 034980

ADIPOSE

Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and *adipose* **tissue** [in rats]. 032200

ADJUVANT

Adjuvant **effect** of lipid A obtained from Salmonella typhimurium on antibody response in mouse spleen: the role of carriers conjugated to lipid A. 035137
Some properties of IgG [immunoglobulin G1] and IgG2 [immunoglobulin G2] globulins from normal and *adjuvant* **stimulated** guinea-pigs. 033925

ADOLESCENCE

Food behavior and related factors of Puerto **Rican-American** *teenagers.* 032378
Teens **teach** children nutrition. 032602

ADRENAL

Catecholamine release from **bovine** *adrenal* medulla in response to maintained depolarization. 034072
Evidence for the activation of **bovine** *adrenal* cholesterol ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Canine **chemodectoma** *(extra-adrenal* paragangliomas)—a comparative study [Dogs]. 035349
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of *adrenal* **chromaffin** granules [Cattle, rabbits, rats]. 034118
Relationship between the quality of dietary proteins and the functional state of the *adrenal* **cortex.** 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats fed proteins of varying quality. 034311
Relationships between the quality of dietary proteins and the functional state of the *adrenal* **cortex.** 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
A medical approach to *adrenal* **gland** problems: a report of three cases. 035333
Enzyme activity in kidney, *adrenal* and **gonadal** tissue of rats treated neonatally with androgen or oestrogen. 034055
Vitamin A: not required for *adrenal* **steroidogenesis** in rats. 032457

ADRENERGIC

Beta-adrenergic **receptors** in vas deferens of guineapigs. 033968

ADRENOCORTICAL

Experimental studies on the annual cycles of thyroid and *adrenocortical* **functions** in relation to the reproductive cycle of drakes. 034081

ADSUKI *see* BEANS

ADULTERATION

Microscopy of honey **[Analysis,** *adulteration].* 032825
Physico-chemical properties of natural and *paraffin-adulterated* **bee's wax.** 032925
Identification of cow's milk in sheep's milk and sheep's milk **cheeses** *[Adulteration].* 032107
The present validity of the pancreatic lipase method for husk oil protection **[Olive oil cake, composition,** *adulteration].* 033455
Use of Ough's method to determine proline in light and highly colored fruit juices and their **concentrates** *[Adulteration].* 032132
Honey quality control [including *adulteration* **detection].** 032032

ADULTS

The ultrastructure of the *adult* **abdominal** cuticle of Tenebrio molitor L. **(Insecta: Coleoptera).** 039939
Effects of zinc deficiency on the infant rat which are associated with **abnormal** *adult* behavior. 032275
Allatectomy in *adult* **bee** workers (Apis mellifica). 040288
A freeze-fracture study of *adult* **Calliphora** salivary glands. 039937
Cysteine sulfinate carboxylase in the visual pathway of *adult* **chicken.** 034100
Genital abnormalities in *adult* **Cicadellidae** (Homoptera). 039702
Adult **dormancy** in some species of the genus Noctua (Lepidoptera, Noctuidae) in Central Europe. 039604
Adult **education** [for grape growers]. 038368
Effect of light-dark cycles on *adult* **emergence** in the aphid parasite Aphidius smithi. 039660
Habitat preference of tabanid flies [Tabanidae] in Hokkaido based upon the collection of **female** *adults.* 040105
Late effect of premature weaning on blood cholesterol **levelsin** *adult* rats [Diet]. 032414
The effects of allatectomy on the lipid composition of the fat body and haemolymph of *adult* **Locusta** [migratoria migratorioides]. 039686
Blood values of **male** *adult* Beagle [dog] and seasonal variation. 033841
Plasma luteinizing hormone and testosterone in the *adult* **male** pig: 24 hour fluctuations and the effect of copulation. 034671
The difference in absorption of bull seminal ribonuclease by organ tissues of juvenile and *adult* **mice.** 033906
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. I. Larva, pupae and **native** *adults.* 040197
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. I. Larvae, nymphs and **native** *adults.* 040199
Histidine: an essential amino acid for **normal** *adults.* 032421
The endocrinology of *adult* **protein-calorie** malnutrition. 032431
Seasonal variations in the response of the testis and LH [luteinizing hormone] levels to hemicastration of *adult* **rams.** 034693
The mechanism of extension of the pleural pleat in *adult* **Rhodnius** prolixus. 039840
Nitrogenous excretory products of *adults* of **Sitophilus** oryzae and Sitophilus granarius [wheat]. 039270
Effect of photoperiod on emergence rhythm of *adult* **Spodoptera** littoralis Boisd. (Lepidoptera, Noctuidae). 039622
Field experiments on the control of the bean weevil (Acanthoscelides obtectus Say, Coleoptera, Bruchidae) by the release of **sterile** *adults.* 037798
Germination of Puccinia striiformis uredospores on leaves of *adult* **winter** wheat plants [Resistance to yellow rust]. 038566
Taenia hydatigena. V. Surface structure of the *adult* **worm** and evaginated scolex [Dogs]. 035093
Dietary regulation of serum lipids in healthy, **young** *adults.* 032349
Increased bone mineral content in **young** *adults* with familial hypophosphatemic vitamin D refractory rickets. 032386

AEDES

DDT-resistance status and the effects of DDT exposure in relation to the vectorial capacity of *Aedes* **aegypti** (L.) for Brugia pahangi (Buckley and Edeson). 039444
Observations on the re-establishment of *Aedes* **aegypti** population in Poona City and suburbs, Maharashtra State, India. 039463
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in susceptible genotypes of *Aedes* **aegypti** (Diptera: Culididae). 039476
Some observations on the biological performance of Pyrethrum based mosquito *[Aedes* **aegypti]** coils. 039508
Stability of pyrethrins in mosquito *[Aedes* **aegypti]** coils under long storage—a note. 039509
Lipase and unspecific esterase activity in the fat body of *Aedes* **aegypti** L. 039607
Aedes **aegypti** complex in Africa. 040128
Methods with insect cells in suspension culture. I. *Aedes* **albopictus.** 039872
Photoperiodic and temperature induction of egg diapause in *Aedes* **caspius** caspius Pall. (Diptera, Culicidae). 039500
A taxonomic revision of **certain** *Aedes* species (Diptera: Culicidae) of the subgenus Aedimorphus in southern Africa [New taxa]. 040097
Autogenetic development of ovaries in mosquitoes of the **genus** *Aedes* (Diptera, Culicidae) in the south Yamal. 039965
Aedes **hendersoni:** failure of laboratory-infected mosquitoes to transmit LaCrosse virus (California encephalitis group). 039473
Sexual behavior maturation in **male** *Aedes* triseriatus (Diptera: Culicidae): **a re-examination.** 039858
Linkage of the genes for DDT and dieldrin resistance in larvae of the **mosquito** *Aedes* **aegypti.** 039450
Natural infection of *Aedes* **(Stegomyia)** herbrideus by a Coelomomyces [finlayae] in New Hebrides. 039443
A new species of *Aedes* **(Stegomyia)** [krombeini] from Sri Lanka (Ceylon) (Diptera: Culicidae). 040118
Pyrethrum airsprays control mosquitoes *[Aedes* **taeniorhynchus]** in the Caribbean. 039507

AEDIMORPHUS

A taxonomic revision of certain Aedes species (Diptera: Culicidae) of the **subgenus** *Aedimorphus* in southern Africa [New taxa]. 040097

AEGILOPS

Gliadins of *Aegilops* **species** of the Sitopsis (Jaub. Et Spach) Zhuk. section and the structure of the S(B) genome. 037263
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of **Triticum** and *Aegilops.* 037404

AERATION

Effect of *aeration* on the **flood-induced** formation of adventitious roots and other changes in sunflower (Helianthus annuus L.). 037529
Soil furrowing [for better *aeration]* when **growing** maize under irrigation. 041265
Wort *aeration.* 032732

AERIAL

Aerial **application** of a nuclear polyhedrosis virus to control European pine sawfly [Neodiprion sertifer]. 039382
Aerial **application** of agricultural chemicals. 039522
Merits of **conventional** *aerial* photography in an intensive natural resources inventory in Puerto Rico [Land use]. 031213
Aerial **photographic** monitoring of selected water quality parameters. 041296
On the correction of large-scale soil studies made from *aerial* **photographs.** 040748

Radiosensitivity *aerial* bulbils of garlic [chromosome aberrations]. 036367
Seed crop forecasting in eucalypt [Eucalyptus regnans] forests using *aerial* **reconnaissance.** 035650
The prospects of using *aerial* **survey** for the purpose of [land] reclamation and conservation of environment. 041156
Ultra-low-volume *aerial* spraying—a new technique in controlling forest insect pests. 039396

AEROSOL

Aerosols in **animal** immunization [Poultry]. 035259
Aerosols of **certain** preparations in cases of enzootic pneumonia in swine. 035276
First results in the development and use of *aerosol* **disinfection** methods in industrial [livestock] facilities. 034922
Present state and prospects of the method of *aerosol* **vaccination** of animals. 035208

AESCULUS

A scanning electron microscope study of the structures of normal, tension and morphactin IT 3456 induced wood in *Aesculus* **hippocastanum.** 035703
The structure of peaches and *Aesculus* **pavia** after various freezing and thawing treatments. Relation with quality. 033352

AFFORESTATION

Afforestation of **bogs** after industrial exploitation of peat [Pinus, Alnus, foliar diagnosis]. 035684
Usefulness of [poplar] cuttings in the biological management of coal mine **dumps** *[Afforestation].* 035691
Forest soil after *afforestation* by **rehabilitation** in the Setouchi region. III. In Comparison with the forest soil of some natural stands. 041145

AFLATOXINS

Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with *aflatoxin* B1 **[Aflatoxicosis].** 035390
Use of water slurries in *aflatoxin* **analysis** [Food, feed, contamination]. 032071
Aflatoxins **[Aspergillus** flavus] in cottonseed as affected by the pink bollworm [Pectinophora gossypiella]. 039272
Toxicity to white mice of corn naturally **contaminated** with *aflatoxin.* 035419
Aflatoxin in **feedingstuffs,** its incidence, significance and control. 033516
Trial of the elimination of *aflatoxin* in **groundnuts** by physical methods [Feed decontamination]. 033533
Synthesis of *aflatoxins* by the **non-growing** mycelia of Aspergillus parasiticus and the effect of inhibitors. 037053
Lipid and vitamin metabolism during mycotoxicoses *[Aflatoxicosis,* **poultry].** 035425
Toxigenic power of Aspergillus flavus **producing** *aflatoxin* [Food contamination]. 031941
Effect of initial pH [hydrogen-ion concentration] on *aflatoxin* **production** [Aspergillus parasiticus, Fungi]. 036776
Detection of *aflatoxin* B1 in **silkworm** [Bombyx mori] larvae attacked by an Aspergillus flavus [Fungi] isolate from a sericultural farm. 040201

AGALACTIA

Prostaglandin induced parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, *agalactia)* **syndrome.** 034766

AGAR

Rheological properties of *agar-agar* **gels:** the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. 037137
Comparison of *agar* **media** for counts of viable soil bacteria. 040795

AGARICALES

Rhodocybe **truncata** *(Agaricales)* new to Norway [Edible mushroom]. 036087

AGARICUS

Effect of different spawning methods on the productivity of *Agaricus* **bisporus** [Mushrooms]. 037755

AGAVE

New steroidal saponins of *Agave* **americana.** 037171

AGELENA

The control system of homing in the **spider** *Agelena* labyrinthica (Cl.). 039957

AGGLUTINATION

Cellular energy **dependent** *agglutination* of rat ascites tumor cells mediated by concanavalin A and Ricinus communis agglutinin. 036809
Formation persistence of *latex-agglutination-inhibiting* **IgG-** and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
A new micromethod for the **latex** *agglutination* test [to detect plant viruses]. 038944

AGGLUTININS

Cellular energy dependent agglutination of rat ascites tumor cells mediated by concanavalin A and Ricinus **communis** *agglutinin.* 036809

AGGRESSION

Genetic study of *aggressiveness* of **two** subspecies of Apis mellifera in Brazil. 2. Time at which the first sting reached a leather ball. 040246

AGING

Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope] administration and *age* of **animals** [Swine, dogs]. 034168
Pasteurization of beer. 2. Determination of furfural, an indicator of intensity of pasteurization and *aging* of **beer.** 032906
Aging of **bull** spermatozoa during extended storage. 034637
Acid and alkaline phosphatase activity in relation to egg-laying and *aging* in **Callosobruchus** analis (Fab.) (Coleoptera: Bruchidae). 039658
Optimum combination of *age* at 1st **calving** and 1st lactation production of Hariana cows. 033634
Population study of Saccharomyces cerevisiae [yeasts]. I. Cell morphology and *age* **categories** distribution in dependence on the medium composition in a continuous cultivation. 036833
Age **changes** in the structure of population of Coscinodiscusgranii Gough [Algae]. 036838
Age-dependent **changes** in juvenile hormone esterase and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, Leptinotarsa decemlineata. 039877
Time of passage in non-thinned sugi [Cryptomeria japonica] stand **changing** with the *age.* 035534
Ageing **characteristics** of wood of healthy and sandhill-declined Citrus sinensis [Sweet oranges]. 036290
Effects of *aging* on **chlorophyll** fluorescence and photosystem II electron transport in isolated chloroplasts [of spinach]. 037672
The *age* of **chloroplasts** in mesophyll of deciduous and evergreen plants. 036370
Plant **community** *age* as a measure of sensitivity of ecosystems to disturbance. 036227
The Carcass value of pigs slaughtered at equal weight or same *age.* 1. **Comparison** of the mean values and variation coefficients. 033044
Age-survival **curves** for workers of two eusocial bees (Apis mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. 040242
Supplementary vitamins as a dietetic problem with **developing** *age.* Dietotherapeutic approaches. 032391
Some problems of leucosis genetics in cattle. I. Transmission, the *age* of a **disease,** the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. 035315
Age **dynamics** of the composition of phosphorous compounds in organs and tissues of broiler chickens. 034179
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on cultured brain cells from chick **embryos** of different *ages.* 033892
Meat production from buffalo male calves at different *ages* **[Fattening].** 034265
Influence of different amounts of alimentary protein on the *age-specific* **feaures** of the protein synthesis. 032489
Nutrition research and education in the *age* of **Franklin** [History]. 032355
Testing for *aging* in **glue** joints of modified wood. 035824
Our food supply—the passing of the **golden** *age.* 031844
Effect of the rearing technique from birth to 8 months of *age* on the **growth,** feed efficiency, carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Post maturity changes and keeping quality of seedless grapefruit 'Pink Marsh' in relation to the *age* of **harvest.** 033345
Ageing and **histological** degeneration of females of spider mites (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
Ambient temperature, physical activity and *aging* in the **housefly,** Musca domestica. 039736
Cell length variation in the secondary phloem of Dalbergia spp. with **increasing** *age* of the vascular cambium. 036270
Changes in taste with *age* - **infancy** to senescence. 032241
Determination of *age* of **lamb** carcasses from pelvic ossification. 033037
Dissipation and respiration temperature of young and *aged* **leaves** in the dark. 036918
The effect of GA3 [gibberellic acid] on the germination of *ageing* **lupin** seeds. 037562
Growth rate and change by *age* in **marketability** of white willow stands of Astrakhan Region [Salix alba]. 035589
Percent satellite DNA as a function of tissue and *age* of **mice.** 033809
Sociologic structure of the Swiss peasants in the late **Middle** *Ages.* 031056
The peasant aristocracy of the Kocherberg area in the outgoing **Middle** *Ages* and at the beginning of modern times [History, sociology, France]. 031060
Comparative study: carcass and meat characteristics in young bulls of the Campine Red Pied and Charolais breeds slaughtered at the *age* of 16 **months.** 033038
Occurrence of pathogenic fungi on trees incorrectly transplanted at an **older** *age.* 038744
The influence of **parental** *age* on the genetic quality of the progeny of mice. III. The mortality of progeny in succeeding generations. 034621
The influence of **parental** *age* on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the male germ cells. 034622
Dietetic habits and food consumptions by *aged* **people** in Piedmont; individual analysis. 032390
Seasonal changes in **physiological** *age* composition of tabanid (Diptera) populations in southern Ontario. 039857
Ultrastructural changes and a second mode of flagellar degeneration during *ageing* of **phytophthora** palmivora [Fungi] sporangia. 037023
A note on rationing of growing **pigs** according to *age.* 034272
The effect of concentration, exposure time and *age* of **plant** on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. 038774
Influence of altitude and *age* on **pulmonary** arterial pressure in cattle. 034152
Determination of behaviour norms in cattle of various *age* and **purpose.** 033698
Problem of the formation and *age* of **radial** villages in eastern Lower Saxony [Land colonization, history, Slavs]. 031183
Development and germination of [the yeast] Candida albicanschlamydospores in **relation** to *age.* 037047
Aging and its **relation** to cell growth and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to growth restricting conditions. 039900
Systems analysis in nutrition and health planning: approximate model relating birth weight and *age* to **risk** of malnutrition. 032314
Interrelationships of **seedling** *age,* inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Modification of the radiation effect by different factors in *ageing* **seeds** of broadbeans (Vicia faba L.). 037410
Influence of selection, *age,* **sex** and feeding on meat retention and fat content of ducks. 033670
Effect of *age* and **sex** on growth rate of beef cattle fed high roughage rations. 034442
The effect of *age* and **sex** on dihydrofolic acid reductase activity in chicken liver. 034768
Influence of **shifting** *age* on the rearing result of calves in specialized farming. 033608
Potassium concentration in bovine muscle as influenced by carcass location, breed, sex, energy intake, *age* and **shrunk** body weight. 033089
Weight, feed uptake, and **slaughter** *age* in broiler production. 033621
Age **specificity** of the amino acid composition and nitrogen content in the connective tissue of Caucasian Brown cattle. 034180
Studies on the morphology and dimensions of tree crowns in *even-aged* **stand** of sugi [Cryptomeria japonica]. I. Crown form. 035567
Types of *age* **structure** in spruce stands of the North [USSR]. 035591
Laboratory animals in *aging* **studies.** 034102
Mineral composition and *age* of a **three-storied** soil on the sands of the Don Steppe. 040830
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of *age* at **time** of treatment on sterility and longevity. 039475
The effect of **tree** *age* and time of day for collecting the flowers on the flower yield, content and composition of cassie (Acacia farnesiana) essential oils. 037692
Effect of the *age* of **Tribolium** castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity [Flour pests]. 039426
Aging of **wine:** qualitative changes in the volatiles of Zinfandel wine during two years. 033321

AGITATION

The effect of *agitation* on the **production** of lactic acid by Lactobacillus bulgaricus in a casein whey medium. 033014
Effect of polyelectrolyte molecular weight and **stock** *agitation* on filler retention [Paper manufacture]. 035881

AGLYCONES

Aglycone **composition** of the flavonoid glycosides of Astragalus mongolicus. 036869

AGRARIANISM

Chilean *agrarian* reform. II. Its influence on farm production [Crop yields]. 031783
The **Chilean** *agrarian* reform. III. Squandering of livestock riches [Policies]. 031784
The future of the European Economic **Community** *agrarian* policy. 031822
Methodological questions of socialist prognosis of the *agrarian* **complex** [Farm management]. 031320
Green revolution and *agrarian* **conflict** [Land reform laws inIndia]. 031834
A research approach to institutional alternatives in the administration of *agrarian* **development** programmes. 031774
Retrospect and outlook of the Central Marketing Association of the **German** *Agrarian* Economy for potatoes. 031682
Agrarian **reform** and the transition to socialism in Chile, 1970-1973. 031098
Agrarian **reform** in Greece. 031231
Agrarian **reform** done the wrong way [Policies, Argentina]. 031782

AGRIBUSINESS

Industrial orientation of agriculture and *agribusiness:* an **analysis** of regional input-output tables. I. 031371

On teaching and research in agricultural **economics** and *agribusiness.* 031200
Case studies on *agribusiness* according to the **Harvard-Case** method [Farm management]. 031163
Inflation and fictitious **profits** *[Agribusiness].* 031411

AGRICULTURALISTS
An organization for **professional** *agriculturalists* in UnitedKingdom. 031360

AGROBACTERIUM
Karyological studies on crown gall tumors [caused by *Agrobacterium* **tumefaciens**] of the pea. 036329
Effect of rifampin application time on crown-gall tumor induction by *Agrobacterium* **tumefaciens** [Kalanchoe, carrots, kidney beans]. 038856
Soluble proteins and hydrolases during crown-gall *[Agrobacterium* **tumefaciens**] induction in the tomato, Lycopersicon esculentum. 038858
Plant tumors [caused by *Agrobacterium* **tumefaciens**] resulting from unregulated hormone synthesis. 038866

AGROBIOLOGY
Agrobiological **features** of Richared Delicious apple variety. 037840
Agrobiological and **technological** studies on new promising fiber flax varieties. 038130

AGROCHEMISTRY
Industrial organization of phosphorus, potassium fertilization by *agrochemical* **centers.** 040913
Development of *agrochemical* **centers** in Czechoslovakia [Fertilizer industry]. 040987
Results of interfarm units for crop production in Linum andFehrbellin and their *agrochemical* **centre** in achieveing techno-scientific progress [Agronomy]. 038012
Agrochemical **centre** of Delitzsch increased performance and workmanship in mineral fertilization. 040910
Agrochemical **centres,** present position and size of network, performance and results, and forthcoming tasks for intensification of crop farming. 031814
Mobile application of semi-liquid manure by *agrochemical* **centres.** 041521
Agrochemical **characteristics** and water-physical properties of Tatar Chernozems on limestone. 040810
The scientifically **founded** *agrochemical* care and control of agriculture in Hungary [Fertilizers, plant protection]. 040991
Gross **Kreutz** *agrochemical* centre advances scientific and technological progress also in the field of ornamental plant production. 038307
Relation between the *agrochemical* **properties** of soils, their content of nonexchangeable ammonium and its fixation capacity. 040834
The change of *agrochemical* **properties** of soddy-podzolic sandy-light loamy soil as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Pesticide storage houses ready to **serve** *agrochemical* operations [Building designs]. 040372
Organization of *agrochemical* **service** in Cherkassy Region [Fertilizers, field crop yields]. 040990
Agrochemical **services** for the collective and state farms of Belorussia [Fertilizers]. 040986

AGROMYZA
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on *Agromyza* **frontella** Rondani (Diptera, Agromyzidae). 040157

AGROMYZIDAE
Materials concerning the morphology, biology and taxonomy of some species of Phytomyza Fallen **(Diptera,** *Agromyzidae).* 039994
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on Agromyza frontella Rondani **(Diptera,** *Agromyzidae).* 040157

AGRONOMISTS
More than fifty years of agronomic experience and social life **[Autobiography,** *agronomists].* 037971
A humane scientists: Gian Pietro **Ballatore** *[Agronomists].* 038044
Dr. Viliam Westsik on his ninetieth **birthday** *(Agronomists).* 037959
Andor Janossy, 1908-1975 *[Agronomists,* **Hungary].** 031118
Commemoration of J. Gyarfas on the centennary of his birth *[Agronomists,* **Hungary].** 031119

AGRONOMY
Some *agronomic* **aspects** of factors underlying production in the New South Wales grazing industry [Livestock management]. 031372
Triple superphosphate; **certain** *agronomic* considerations. 040929
Heterosis and combining ability in a spring wheat diallel cross. 2. Some *agronomic* **characters.** 036379
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and *agronomic* **characters** and qualities of winter soft wheat [Breeding]. 036475
More than fifty years of *agronomic* **experience** and social life [Autobiography, agronomists]. 037971
Breeding potentials of noncultivated cottons. I. Some *agronomic* and **fiber** properties of selected parents and their F1 hybrids. 036422
General meeting of the Swiss Association of *Agronomic* and **Food** Engineers on May 30 and 31, at Morat. 040341
Role of *agronomy* in **green** revolution [in India]. 038017
Agronomic **investigations** on cultivars of table broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on deep-freezing of their beans. 038462
Modern *agronomic* concepts. 038016
A sample survey on the performance of high yielding and local paddy [rice] varieties in relation to the *agronomic* **practices** at Mangalore. 038083
Bioecological fertility of Italian soils. 3. Study of the *agronomic* **profiles** of the plains. 040662
Results of interfarm units for crop production in Linum andFehrbellin and their agrochemical centre in achieveing techno-scientific **progress** *[Agronomy].* 038012
The [French] National Institute of *Agronomic* **Research** at the service of the animal feed industries. 033510
Agronomic **results** with polyphosphate fertilizers. 041025
The *agronomic* **role** of introduced dung beetles in grazing systems. 039823
Experimental station of the South African Sugar Association, *Agronomic* **Section** [Sugarcane culture]. 037981
Evolution of *agronomic* **techniques** in Italy in the last ten years [Field crops, acreage, yields, statistics]. 031764
Agronomic **techniques** for cereal growing in Poland. 038188
Index selection for several *agronomic* **traits** in the BSSS2 maize population. 036432
Improvement of plants and production **trends** *[Agronomy].* 037944
Recent works carried out by the Institute of **Tropical** *Agronomic* Research and Food Crops in the area of potassium fertilization of tropical soils. 040967
Consideration on the behaviour of *agronomic* **works** for prevention and control of soil erosion, in the agricultural production cooperative Aschileu Mic, district of Cluj-Napoca. 041191
High cropping standards and extensive reproduction of soil fertility, prerequisites for high and stable **yields** *[Agronomy].* 038010

AGROPYRON
Misdivision of an *Agropyron* **chromosome.** 036411
The crested wheatgrasses *[Agropyron* **cristatum**] of Iran [Distribution, cytology, morphology, and fertility]. 035997
Role of single chromosomes of *Agropyron* **glaucum** X genone in the inheritance of the physiological basis of winter hardiness. 036526
Quackgrass *[Agropyron* **repens**] and its control in oil plantsand seed fields. 039181
Gas exchange of three cool semi-desert species [Artemisia **tridentata,** Gutierrezia sarothrae, *Agropyron* **spicatum**] in relation to temperature and water stress. 037037

AGROSTEMMA
Studies on stable and during early imbibition phases synthesized Poly(A)-RNA of *Agrostemma* **githago** embryos. 036926

AGROSTIS
Investigations on the primary production of an *Agrostis* **capillaris** L. + Festuca fallax Thuill. association grass stand on the Vitosha mountain. 037408
Investigations on the biology of seed germination of *Agrostis* **capillaris** L. and Festuca fallax Thuill. from grass coenoses on the Vitosha mountain. 037409

AGROTECHNOLOGY
Agrotechnical **features** of seed garlic. 038527
Agrotechnical **importance** of peas [in soil fertility improvement]. 041131
Agrotechnics for **onions** in western regions of the Ukraine. 038528
Changes in the microclimate of irrigated maize crop under the influence of some ***agrotechnical* operations.** 038131
Contribution to the *agrotechnics* of **peppermint** (Mentha piperita L.) growh as a biennial crop. 038555

AGROTIS
Host range of the black cutworm *[Agrotis* **ipsilon**] on vegetables: a bibliography. 039322

AIR
Full *air-conditioning* of **animal** houses some basic aspects. 040376
Automatic *air* conditioning in swine houses. 040377
Protection of the *air* **basin** of large livestock farms and poultry factories [Control of infectious diseases and of air pollution]. 035252
Studies of [plant] transpiration in relation to the environment. 6. Simulation of transpiration produced by **change** in *air-humidity.* 037098
Results and experiences in the use of **compressed** *air* udder stimulation at the Dedelow Dairy [Milk production, East Germany]. 033672
Air **conditioning** of young swine cages. 040314
Energy and economic problems of *air* **conditioning** in plants for industrialized fattening. 040318
Concerning the influence exercised by *air* **contained** in heating steam of temperature drop in processes of heat transmission [Sugar processing]. 033306
Investigations on the influence of fluorine **contaning** *air* pollutants upon the susceptibility of spruce [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Some effects of sludge characteristics on **dissolved** *air* flotation. 041646
Effects of **dry** *air* and subsequent humidification on tracheal mucous velocity in dogs. 034013
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and **drying** *air* velocity on some properties of dry sausage. 033090
Mapping land-use from **existing** *air* photos [Michigan]. 031212
The transmission and effect on yield of rye grass mosaic virus in a **filtered** *air* environment. 038880
Protein and amino acid compositions of dry-milled and *air-classified* **fractions** of triticale grain. 033209
Economy and saving of concentrates with **hot** *air* drying of green feeds. 033586
One instrument of the energy revolution: the **hot** *air* pump [for buildings]. 040381
Indoor *air* pollution due to chipboard used as a construction material. 041490
Demonstrative studies on large-scale farming of beef cattle in the southern Kyushu District. II. An experiment on fattening steer calves by *open-air* **management.** 034348
Velocity measurement of *water-air* **mixture** [Speed measuring system]. 041335
Modeling *air* temperature for plant and animal simulation. 031116
Determining the maximum allowable **natural** *air* to escape from cooling cells. 032821
Effects of group size and of **negative** *air* ionization on performance of growing-finishing swine. 034000
Biological structure of poultry meat frozen in liquid **nitrogen** and in *air.* 033122
Optimun *air* conditioning in animal production plants. 040324
Influence of *air* **phase** dispersity on hard ice-cream texture. 032950
Photochemical *air* pollution: transport from the New York City area into Connecticut and Massachusetts. 041657
A note on *air-layering* of **Pinus** pseudostrobus. 035652
The response of woody species to *air* **pollutants** in an urban environment. 039017
Air **pollutants** damage plants. 039035
Air **pollution** [harmful to man, animals, plants]. 033128
Protection of the air basin of large livestock farms and poultry factories [Control of infectious diseases and of *air* **pollution].** 035252
Impact of *air* **pollution** on the growth of ponderosa pine [Pinus, injuries]. 035466
Remarks concerning forest experiments and research in industrial regions *[Air* **pollution**]. 035505
Heterosis and combining ability estimates for *air* **pollution** damage, primarily ozone, in Maryland tobacco. 038972
Plant attack by *air* **pollution:** Minnesota impacts [Injuries]. 039036
Effects of baled solid waste disposal in the marine environment—a descriptive model [Water and *air* **pollution**]. 041470
The need for practical standards in *air* **pollution** measurement. 041482
The long range transport of sulphur dioxide *[Air* **pollution**]. 041491
Chromatographic isolation and spectral analysis of polycyclic quinones application to *air* **pollution** analysis. 041520
Gas chromatographic analysis in *air* **pollution.** 041525
Liquid chromatography analysis in *air* **pollution.** 041529
Paper chromatographic analysis in *air* **pollution.** 041532
Thin-layer chromatographic analysis in *air* **pollution.** 041535
Nitrogen and sulfur content and pH of precipitation in Iowa [Hydrogen-ion concentration , *air* **pollution,** water quality]. 041607
Dry filtering systems for bacteriologically sound powder recovery *[Air* **pollution** from manufacture of dried milk]. 041623
Green Revolution and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by *air* and the **protein** problem. 031849
Automatic average-value signal control of temperature and **relative** *air* humidity in a phytochamber. 037251
Pesticides in *air:* **sampling** methods [Pollution]. 039590
Fungicidal control of **secondary** *air-borne* infection of brown leaf spot of rice [Cochliobolus miyabeanus]. 038652
Influence of *air* **velocity** and temperature on the two-stage cooling of perishable large-sized products [Beef quarters]. 033050
Heating the seeds of fiber flax with **warm** *air* [for increasing germination percentage]. 037785

AIRBORNE
Weather conditions and *airborne* **conidia** of Helminthosporiumoryzae in west Bengal [Brown spot disease, rice]. 038667
A new 7-day spore sampler [for collection of *airborne* **pathogenic** fungi]. 038760
Three suction-type spore samplers [for collection of *airborne* **pathogenic** fungi]. 038775
Critical level of *airborne* **sea** salt inducing foliar injury to bean. 038992

AIRCRAFT
Herbicides on rice *[Aircraft* **application**]. 039094
Organization of fire protection for **forests** with use of *aircraft.* 035473

Top dressing of maize with **urea** from *airplane.* 041007

AJUGA
Ecdysterone from *Ajuga* **chia.** 036876

ALANINE
The activity and localization of *alanine-* and **aspartate** amino-transferases in plants with C4[carbon]-photosynthesis [Maize, proso, rye]. 037395
Esterase of vetch seeds **hydrolyzing** *carbobenzoxy-alanine* p-nitrophenyl ester. 037702
Response of *alanine,* **tyrosine** & leucine aminotransferases to dietary pyridoxine & protein in rat tissues. 032336

ALAR
Effects of SADH *[Alar]* **fall** sprays on the fruit set and yield of pear. 037837

ALATA *see* **MOLLUSKS**

ALBINO
Metabolism of A cobalt 58 [isotope]-tagged vitamin B12 in normal and **fasting** *albino* rats. 032494
Determination of residues of BHC [bensene heychloride] components in different tissues of *albino* **rats.** 039532

ALBUMINS
Purification and properties of proteinase inhibitors from the *albumin* of the **eggs** of certain species of birds [Chickens, quail]. 033119
Inactivation by detergents to the proline transport system in membrane vesicles from Escherichia coli and its reactivation by bovine **serum** *albumin.* 033799
Polymorphism in fowl **serum** *albumin.* V. Protein in synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). 033872

ALCOHOL
Alcoholic **beverage** processes [Wort, hops, malt, wine, spirits]. 032817
Triterpenoids, wax, *alcohols* & other **constituents** from Acacia senegal Willd. 036990
Oxidation of methanol and formaldehyde by a system **containing** *alcohol* oxidase and catalase purified from Candida [fungi] sp. N-16. 032711
Biosynthetic pathway of **cucumber** *alcohol:* trans-2,cis-6-nonadienol via cis-3,cis-6-nonadienal. 037804
Isozymes patterns and enzyme activity of lactate and *alcohol* **dehydrogenase** of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Investigation of *alcohol-benzene* **extracts** from the main soils of North Vietnam. 040844
Nutritional **factors** in *alcoholism.* 032232
Relation between the content of wines in **higher** *alcohols* and the content of musts in nitrogen substances particularly in amino acids. 033356
Low carbohydrate diet, *alcohol* and **hypoglycemia.** 032292
Importance of quality of barley used in the *alcohol* **industry.** 033289
The president of the Sugar and *Alcohol* **Institute** [of Brazil] talks to sugar producers [Markets]. 031558
Genetic Program of the Sugar and *Alcohol* **Institute,** National Program for Sugarcane Improvement, Brazil. 036400
Phytopathology program of the National Program for Sugarcane Improvement, the Sugar and *Alcohol* **Institute,** Brazil. 038962
Biological effect of some *alcohols* **isolated** from essential oils [of Scenedesmus acutus, Algae]. 037252
Effect of a low-carbohydrate diet and *alcohol* on **perceptual** motor skill. 032350
Formation of **primary** *alcohols* and palmitic acid as a result of hexasecane microbiological oxidation [Candida, yeasts]. 037219
Contribution to the systemic treatment of sugar and *alcohol* **production.** I. 033191
Growing potatoes for *alcohol* **production;** results of an inventory [Culture]. 038403
Gas chromatographic investigations of *alcoholic* **products.** VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431

ALDEHYDES
New sesquiterpene lactone and *aldehyde* of **Frullania** tamarisci subsp. obscura (Hepaticae). 037294
Horse **liver** *aldehyde* dehydrogenase: Purification and characterization of two isozymes. 034040

ALDICARB
Metabolism of *aldicarb* by **five** soil fungi [Degradation]. 039563

ALDOLASES
Fructose **1,6-bisphosphate** *aldolase* activity of Rhizobium species [Nodule bacteria from lupine, peanuts and cowpeas]. 036947
Some structural features of rabbit **muscle** *aldolase* as derived from its limited proteolysis. 033703

ALECTORIA
Studies on lichen-dominated systems. XIV. The comparative ecology of *Alectoria* **nitidula** and Cladina alpestris [Photosynthesis and respiration]. 036857
Studies on lichen-dominated systems. XIII. Seasonal and geographical variation of new CO2 [carbon dioxide] exchange of *Alectoria* **ochroleuca.** 036856
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 [carbon dioxide] exchange in Cetratia nivalis and *Alectoria* **ochroleuca** collected from a raisedbeach ridge. 036859

ALEURITES
Anatomical structure of lumbang *[Aleurites* **moluccana]** as regards wooliness in veneer manufacture. 035750

ALEURONE
Immunohistochemical localization of alpha-amylase in **barley** *aleurone* cells. 036321
Histochemical investigation of acid phosphatases in *aleurone* **cells** of barley. 037374
Vitality test on *aleurone* **cells** of the endosperm of Zea mays (aleurone-tetrazolium test) [Corn]. 037563

ALEYRODIDAE
Occurrence of whitefly, Bemisia tabaci Genn., on cotton plants in southern Anatolia (**Homoptera:** *Aleyrodidae).* 039261

ALFALFA
Effects of host plant and soil type on the life cycle of Sitona lividipes Fhs. [Pest of **clover,** *alfalfa].* 039308
Autumn tillage of soil and the application of green manure plants to *cotton-alfalfa* **crop** rotations. 038177
A study on *alfalfa-dodder* **[Cuscuta** epithymum] relationshipsby 14C [carbon isotope]-sucrose incorporation in their tissues. 039110
A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal), and the **Egyptian** *alfalfa* weevil, Hypera brunneipennis (Boheman). Supplement III. 039264
Evaluation of insecticides for control of **Egyptian** *alfalfa* weevil [Hypera brunneipennis]. 039265
Storage of Medicago sativa—results obtained from a test under controlled conditions of temperature and humidity *[Alfalfa,* **germination].** 037560
Registration of *alfalfa* **germplasm** from cultivated X wild hybrids. 036449
Studies on *alfalfa* **grown** after cutting dodder (Cuscuta) infection: changes in content and nature of phenolics [Weed control]. 039134
A two-year comparison of fortified corn silage and *alfalfa* **hay** (mixed) for wintering ewes. 034465
Digestibility of nutrients from *alfalfa* **hay,** corn and oats by ponies. 034467
Nutritional value of three varieties of *alfalfa* **hay** from two harvest systems. 034483
Cytogenetic research on **hexaploid** *alfalfa,* Medicago sativa L. 036414
Content and chemical composition of saponins in three local varieties of **hybrid** *alfalfa* (Medicago media Pers.). 037500
Irrigated *alfalfa* for hay meal [Culture, manufacture]. 038059
Possibilities of increasing the yields, the quality and the longevity in **irrigated** *alfalfa* crop. 038146
Persistence of fecal coliform indicator bacteria on *alfalfa* **irrigated** with municipal sewage lagoon effluent [Health hazards to livestock]. 041353
The feeding of *alfalfa* **juice** and the meat quality in swine [Pork]. 034524
Preliminary investigations on the possitility of applying a rapid isotopic method for comparing the intensity of photosynthesis in the *alfalfa* **leaves.** 037504
Analysis of steady state photosynthesis in *alfalfa* **leaves.** 037518
Some morpho-physiological and symbiotic properties of polyploid forms of pea nodule bacteria [Rhizobium **leguminosarum,** *alfalfa].* 037680
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in *alfalfa* (**Medicago** sativa L.) seedlings. 037480
Occurrence of downy mildew on *alfalfa* (**Medicago** sativa) in the Punjab. 038659
The bees (Apoidea, Hymenoptera) on *alfalfa* (**Medicago** media Pers.) plantations. I. The species composition and variation of flights. 039697
The bees (Apoidea, Hymenoptera) on *alfalfa* (**Medicago** media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. 039698
Persistence of AG chlordane in soil and its presence in **plants.** II. *[Alfalfa].* 039526
Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic **qualities** of *alfalfa.* 038138
Effects of drying on forage quality of *alfalfa* and **reed** canarygrass [Phalaris arundinacea] fed to lambs. 034411
Gel-chromatographic fractionation of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus **regelii** and *alfalfa].* 036772
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root **rot** of *alfalfa.* 038768
Less known [insect] pests of *alfalfa* and **sainfoin** crops in the Constanta district, and their control. 039298
Experience of the State Farm I.A.S. Tulucesti-Galati in elevating fodder and **seed** *alfalfa.* 038144
Phytophthora root rot [Phytophthora megasperma] in **seedingyear** *alfalfa* as affected by management practices inducing stress. 038598
Natural **self-pollination** in *alfalfa.* 037605
Alfalfa **silages** in butyl hermetic cells lost by flow of juice and gas emission. 033508
Forage yields of different *alfalfa* **varieties** in pure stands and in mixtures with grasses. 037972
A bibliography of the *alfalfa* **weevil,** Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). Supplement III. 039264
Potential controls for *alfalfa* **weevil** [Hypera postica] in Pennsylbania: insecticides, petroleum distillates, and flaming. 039301

ALGAE
Researches in the field of seaweeds [Cystoseira barbata] chemistry. IV. Molecular structure of alginic **acid** *[Algae].* 036863
Biological effect of some alcohols isolated from essential oils [of Scenedesmus **acutus,** *Algae].* 037252
Quantitative diatom *[Algae]* **analysis** as an archaeological aid [Soil samples]. 036964
Gyrogonites of the family Characeae *[algae]* with **anomalous** quantity of spirals. 036001
Carrageenans in the cell walls of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with fluorescent **antibody** *[Algae].* 037152
The fine structure of the zoospores of Fritschiella tuberosa Iyeng. (Chaetophorineae, Chlorophyceae) with special reference to the flagellar **apparatus** *[Algae].* 036352
The flora and *algal* **associations** of Salomon's Spring (Anterselva, Bolzano): summer facies. 036019
About the systematic status of the genus Thalassiosira Cl. and the phylogeny of the family Thalassiosiraceae Lebour emend. Hasle **(Bacillariophyta)** *[Algae].* 035974
Ecological studies on *algal-lysing* **bacteria** in fresh waters. 036211
The development of periphyton **[benthic** *algae]* on artificial substrates. 036965
Brackish-water and fresh-water species of the diatom genus Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) **Bethge** *[Algae].* 036108
An effect of osmotic pressure on the valve morphology of the diatom Skeletonema subsalsum (A. Cleve) **Bethge** *[Algae].* 036338
The occurrence of the **blue-green** *alga* Oscillatoria agardhiiGom. in some waters discharging into the Lauwersmeer (the Netherlands). 036021
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a **blue-green** *alga* [Nostoc muscorum]. 036813
Effects of magnesium and chloride ions on light-induced electron transport in membrane fragments from a **blue-green** *alga* [Nostoc muscorum]. 036815
Water-blooms **[Blue-green** *algae].* 036831
A field and laboratory study of oxygen uptake by planktonic **blue-green** *algae* [Oscillatoria redekei]. 037034
Photosynthetically-linked oxidation of diaminobenzidine in **blue-green** *algae.* 037079
An election-microscopic and biochemical study of the spheroplasts of the **blue-green** *alga* Anabaena variabilis. 037114
Peculiarities of the oxygen metabolism of the obligate phototrophic **blue-green** *alga* Anabaena variabilis in darkness. 037121
Sulphide-dependent anoxygenic photosynthesis in the cyanobacterium Oscillatoria limnetica **[Blue-green** *algae].* 037134
The mechanism of energy conversion in photosynthesis **[Bluegreen** *algae,* hoigher plants]. 037257
In vivo excretions of the **blue-green** *algae* Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
The development of [the **blue-green** *alga]* synechocystis aquatilis Sauv. in the presence of [the saprophytic bacteria] Pseudomonas putida Migula. 037327
Transport limited nutrient uptake rates in Ditylum **brightwellii** *[Algae].* 037092
Sex expression in aneuploid gametophytes of the **brown** *alga* Ectocarpus siliculosus (Dillw.) Lyngb. 036390
Polysaccharides of **brown** *algae* [Phaeophyta]. VIII. A study of pelvecyan and sargassan by methylation. 036894
Lime mud deposition and **calcareous** *algae* in the Bight of Abaco, Bahamas: a budget. 037077
A note concerning calcium carbonate deposits in **charophytes** *[Algae].* 037151
Uptake and release of phosphorus by phytoplankton *[Algae]* in the **Chesapeake** Bay Estuary, USA. 037096
Genetic analysis of light-sensitive mutants of **Chlaydomonasreinhardi** *[Algae].* 036541
Comparative study of glutamate dehydrogenases of **Chlorella** *[Algae].* 036827
Comparative capacity of amino acid incorporation by isolated nuclei and chloroplast preparations **[Chlorella,** *Algae].* 037269
Microspectrophotometric analysis of DNA replication in Eudorina elegans (Volvocales, **Chlorophyta)** *[Algae].* 036339
Interactions among cellular compartments in Euglena [gracilis var. bacillaris, *Algae]* during **chloroplast** development. 036969

Utilization of marine plants *[Algae]* and their **constituentsby** bacteria isolated from the gut of echninoids (Echinodermata). 037097
Intercellular transport in plants. I. The rate of transport of chloride and the electric resistance [Chara **corallina,** *Algae].* 037041
Filament formation in the diatom Skeletonema **costatum** *[Algae].* 036346
Study of high-molecular-weight polyphosphates at different stages of development of Acetabularia **crenulata** *[Algae].* 037282
The red algae of the far eastern seas of the USSR; foliose **cryptonemiacean** *algae* (Cryptonemiales, Rhodophyta) [New taxa]. 035986
Phycobiliproteins [in Cyanophyceae, Rhodophyceae, **Cryptophyceae,** *algae].* 036799
Photosynthetic electron transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of Anabaena **cylindrica** *[Algae].* 036820
Morphology of Protosalvinia *[Algae]* from the upper **Devonian** of Ohio and Kentucky [Paleobotany]. 035955
Resistance of *algae* to **dichlorophen** toxicity. 039002
A survey of chloroplast ultrastructure in the **Dinophyceae** *[Algae].* 036337
The effect of seaweed macrophytes *[Algae]* on **diurnal** balance of vitamin B12 in Bay of Barentz Sea. 036845
The effects of high and low carbon dioxide concentrations on plankton population **dynamics** *[Algae].* 037245
Metabolism of 24-dihydrolanosterol in Ochromonas malhamensis and Chlorella **ellipsoidea** *[Algae].* 037169
Growth of oceanic phytoplankton *[Algae]* in **enrichment** cultures. 037088
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing **enzymes** *[Algae].* 037153
Post-transcription control of isocitrate lyase induction in the **eukaryotic** *alga* Chlorella fusca. 037132
Studies on Sargassum. I. A light microscopic examination of the wound regeneration process in mature stipes of Sargassum **filipendula** *[Algae].* 036268
Nucleotide-metabolizing enzymes in Chlamydomonas [reinhardi] **flagella** *[Algae].* 037020
Effect of colchicine, maleic hydrazide, caffeine & theobromine on cell division of the *algal* **flagellate** Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Changes in the *algal* **flora** of East Harbor, Ottawa County, Ohio, since 1900. 036096
Removal of *algae* from **Florida** lakes by magnetic filtration [Pollution]. 041487
Some physical characteristics of the enzymes of L-tryptophan biosynthesis in higher plants [Peas and maize compared to **fungi** and *algae].* 037204
Growth of Oscillatoria agardhii **Gom.** *[Algae].* 036963
Age changes in the structure of population of Coscinodiscusgranii **Gough** *[Algae].* 036838
Ribosomal RNA genes in the nucleus and chloroplast of Euglena [**gracilis,** *algae].* 036278
Identification of NADPH [reduced nicotinamide adenine dinucleotide phosphate]-thioredoxin reductase system in Euglena **gracilis** *[Algae].* 037240
The histones of Euglena **gracilis** *[Algae].* 037315
Synthesis of 3-polyprenyltoluquinols and 4-carboxy-2-polyprenylphenols by cell-free preparations of Euglena **gracillis** *[Algae].* 037177
The morphology and systematic position of the **green** *algae* Ernodesmis and Apjohnia. 036113
Some aspects of mitosis in primitive **green** *algae:* phylogeny and function. 036276
Mutation analysis as a method of studying genotype structure of **green** *algae.* 036545
Chlorophyll and peptide compositions in the two photosystems of marine **green** *algae.* 036810
Effect of cadmium on Chlorella *[Algae].* II. **Growth,** survival and mutability of Chlorella. 036512
Characterization of the DNA from the dinoflagellate Crypthecodinium cohnii *[Algae]* and **implications** for nuclear organization. 036861
Upper **intertidal** *algal* zonation on Bodega Head, Sonoma county, California. 036058
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium **isotope,** *algae].* 036691
Taxonomy of species Chlorella ultraquamata Clem. Et Fott and Chlorella fusca Shih. et **Krauss** *[Algae].* 035961
Eutrophication and occurrence of Oscillatoria agardhii Gom. *[Algae]* in the **lakes** bordering on Flevoland. 036962
Cryptogamae exsiccatae, an annotated bibliography of Exsiccatae of *Algae,* **LIchenes,** Hepaticae, and Musci. V. Unpublished exsiccatae. I. Collectors. 035925
Effects of a light-Dark cycle on the growth of Scenedesmus protuberans Fritsch *[Algae]* in **light-limited** continuous cultures. 036961
Growth regulators from the seaweed Chondrus crispus L. **(Lyn.)** *[Algae].* 037044
An assessment of eutrophication in Australian inland waters[Pollution, *algae,* **macrophyta].** 041492
Seasonal occurrence and ecology of **marine** *algae* in a New Hampshire tidal rapid. 036136
Marine *algae* of western Norway species distribution and ecology. available reports. 036138
Fatty acid composition of lipids in some species of **marine** *algae* [Codium fragile, Gracilaria vercosa, Undaria pinnatifida, Sargassum]. 036852
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of **marine** *algae* and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Osmotic regulation in the **marine** *alga,* Codium decorticatum. I. Regulation of turgor pressure by control of ionic composition. 037055
Activity of nitrate reductase in cabbage and tomato plant with introduction of *algal* **mass** as organic fertilizer. 037700
Algae from **mass** cultures as potential source of proteins [for food and feed]. 038552
Multinuclear stages of the life cycle of Acetabularia **mediterranea** *[Algae].* 036348
The informational role of the action potentials in the cell of Acetabularia **[mediterranea,** *Algae].* 036916
Polar distribution of RNA in cytoplasm of Acetabularia **mediterranea** *[Algae].* 037271
Genetic analysis in the dinoflagellate Crypthecodinium (Gyrodinium) cohnii: evidence for unusual **meiosis** *[Algae].* 036623
Analog circuit of the Acetabularia **membrane** *[Algae].* 037054
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and X-ray **microanalysis** *[Algae].* 036341
Photosynthesis in Giffordia **mitchellae** *[Algae].* 037330
Phytoplankton *[Algae]* **models** and eutrophication problems. 041543
Effect of cadmium ions on chlorella *[Algae].* II. **Modification** of ultraviolet irradiation effect. 036513
The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and mitotic gametogenesis in Ulva **mutabilis** *[Algae].* 036413
The relation of pigment composition in *algae* **mutant** cells to their resistance to inhibitors of photophosphorylation. 036976
Effect of doses and types of irradiation on mutation frequency in Chlorella *[Algae]:* **mutation** maximum effect. 036514
Diatoms, living jewels of **nature** *[Algae].* 036168
Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a new record for north-western Atlantic coastal waters *[Algae,* **new** taxa]. 036110
Scenedesmus trainorii sp. Nov. (Chlorophyta, Chlorococcales): a polymorphic species *[Algae,* **new** taxa]. 036111
Potassium requirement for cell division in Anacystis **nidulans** *[Algae].* 037013
Accumulation, mobilization and turnover of glycogen in the blue-green bacterium Anacystis **nidulans** *[Algae].* 037302
Algal **nitrogen** fixation in Californian streams: seasonal cycles. 036949
Algal **nitrogen** fixation in Californian streams: diel cyclesand nocturnal fixation. 036950
Effects of gibberellic acid and maleic hydrazide on certain biochemical indices of Scenedesmus **obliquus** *[Algae].* 037274
Purification of methionine-accepting transfer ribonucleic acid from Scenesmus **obliquus** D3 *[Algae].* 037310
Ion exchange with Scenedesmus **obtusiusculus** *[Algae].* 036723
Application of luminescence methods for determination of aromatics in water *[Algae,* **oil,** pesticides, pollution]. 041564
Biochemical studies of algal-bacterial symbiosis in high-rate oxidation ponds with varying detention **periods** and *algae.* 036790
Summer phytoplankton *[algae]* **photosynthesis** in a northeastern Ohio glacial lake. 037145
The dynamics of nitrogen and phosphorus cycling in the open waters of the Chesapeake Bay **[Phytoplankton,** *algae].* 036721
A fluorometric technique for measuring sinking rates of freshwater **phytoplankton** *[Algae].* 037085
An evaluation of ATP [adenosine triphosphate] estimations of bacterial biomass in the presence of **phytoplankton** *[Algae].* 037087
Phosphorus quota and the chlorophyll: carbon ratio in marine **phytoplankton** *[Algae].* 037091
Correlation between oxygen utilization and electron transport activity in marine **phytoplankton** *[Algae].* 037093
Effects of power-plant cooling system on marine **phytoplankton** *[Algae].* 037094
Measurements of electron transport activities in marine **phytoplankton** *[Algae].* 037095
Analysis of temperature-jump chlorophyll fluorescence induction in **plants** *[Algae].* 036808
Studies of tolerance to heavy metals in the flora of the rivers Ystwyth and Clarach, Wales *[Algae,* **pollution** monitoring]. 036951
Light responses of Daphnia **pulex** *[Algae].* 037089
Glyceraldehyde-3-phosphate dehydrogenases from Euglena gracilis *[Algae].* **Purification** and physical and chemical characterization. 036784
The effect of synchronizing dark period on populations of Scenedesmus **quadricauda** *[Algae].* 036829
Self-purification capacity of impoundments [Water **quality,** *algae].* 041681
Research on photosynthetic pigments of Gracilaria verrucosa(Huds.) papenfuss *[Algae]:* **quantitative** determination of phycoerythrine. 036952
The **red** *algae* of the far eastern seas of the USSR; foliose cryptonemiacean algae (Cryptonemiales, Rhodophyta) [New taxa]. 035986
The biology of Harveyella mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the parasitic **red** *algae,* Harveyella mirabilis. 036112
Immunochemistry of carrageenans from gametophytes and sporophytes of certain **red** *algae.* 036855
Reexamination of the bromophenols in the **red** *alga* Rhodomelalarix. 037174
Electron-microscopic study of chloroplasts in zygotes of Chlamydomonas **reinhardi** *[Algae].* 036540
Informational complexity of the nuclear and chloroplast genomes of Chamydomonas **reinhardi** *[Algae].* 036818
The light-harvesting chlorophyll a/b-protein complex of Chlamydomonas **reinhardii** *[Algae].* 037205
Experimental studies on form variation in Antithamnion plumula **(Rhodophyceae)** *[Algae].* 037138
Phenetic implications of structural features of the perennating phase in the life history of Porphyra and Bangia (Bangiophyceae, **Rhodophyta)** *[Algae].* 036340
The *algal* **ridges** and coral reefs of St. Croix: their structure and Holocene development. 036177
Cell multiplication in a salt-tolerant strain of Chlorella saccharophila *[Algae]* under **saline** condition. 036851
A study of variation in Australian species of Colpomenia (Phaeophyta, **Scytosiphonales)** *[Algae].* 036107
Portable growth cabinet for *algae* and other **small** plants. 035923
The life history and ecology of the **snow** *alga* Chloromonas pichinchae (Chlorophyta, Volvocales). 037155
Bromonium ion-induced cyclization of methyl farnesate: application to the synthesis of snyderol [Laurencia **snyderae,** *algae].* 037290
Effect of mineral and organic fertilizers on the development of *algae* in a **sod-podzolic** soil. 041012
The spontaneous mutability in Ulva mutabilis. Occurrence of unstable **strains** *[Algae].* 036609
Observations on Batrachospermum (Rhodophyta) in southeastern Wisconsin **streams** *[Algae].* 036135
Biochemical studies of *algal-bacterial* **symbiosis** in high-rate oxidation ponds with varying detention periods and algae. 036790
Photoproduction of molecular hydrogen by a plant *[Azolla]-algal* **symbiotic** system. 037259
Nonspecific hyperpolarization of plant cell under the action of poisons in small concentration [Nitella **syncarpa,** *Algae].* 036909
The use of mid-day 14C [carbon isotope] fixation studies inthe determination of primary productivity in lake **systems** *[Algae].* 037246
The genus Cocconeis Ehr. In the Saint Lawrence gulf, Quebec [New **taxa,** *algae].* 036074
Effect of far and near ultraviolet radiation on DNA content in Dunaliella salina **Tood** *[Algae].* 037322
Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, sodium, chlorine isotopes] in Nitella **translucens** *[Algae].* 037039
Subcellular localization of inorganic ions in plant cells [Nitella **translucens,** *algae].* 037261
Seasonal changes in **two** *algal* populations from the coastal waters of Washington State. 036224
Primary production studies on a new reservoir; Bighorn Lake—Yellowtail Dam, Montana, **U.s.a.** *[Algae].* 036212
The diatoms of Timpanogos Cave National Monument, **Utah** *[Algae].* 035956
A survey of different types of **vacuoles** in the *Cyanophyceae[Algae].* 036313
Separation of cell types in synchronized cultures of **Volvoxcarteri** *[Algae].* 036306
Semilethal spotted mutants of Chlorella **[vulgaris,** *algae].* 036527
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration [Funaria hygrometrica, musci, Trentepholia umbrina, Pleurococcus **vulgaris,** *algae].* 037281
Unusual sources of proteins for man [Single cell protein, *algae,* **yeasts,** bacteria]. 032781
Trypsin-sensitive photosynthetic activities in chloroplast membranes from Chlamydomonas reinhardi, **y-1** *[Algae].* 037021

ALGIN

Researches in the field of seaweeds [Cystoseira barbata] chemistry. IV. Molecular structure of *alginic* **acid** [Algae]. 036863
The inhibitory activity of *alginic* **acid** against tobacco mosaic virus infection. 038886

ALIMENTARY

Influence of reduced diets on the glucose-6-phosphate-dehydrogenase activity of the fatty tissue in patients with *metabolic-alimentary* **adiposity.** 032491
Interchangeability of foods in their nutritional and *alimentary* **aspects** and the necessity of new consumption directions. 032173
Distribution of Fusobacterium necrophorum in **bovine** *alimentary* tracts. 035015
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the *alimentary* **canal** of the bulb mite [Rhizoglyphus echinopus]. 038771
The effect of lesions of the dorsomedial thalamic nucleus on *alimentary* **conditioned** reflexes and food intake in dogs. 033723
Free amino acids of the human blood serum with **endogenous** *alimentation.* 032487
Alimentary **osteopathies.** 032480
Influence of different amounts of *alimentary* **protein** on the age-specific feaures of the protein synthesis. 032489

Alimentary **reactivity** in sheep. 034487

ALIPHATIC
Petroleum hydrocarbon toxicity studies. VIII. Animal and human response to vapors of "140 degrees **flash** *aliphatic* solvent". 035444

ALKALI
Kinetics of the alkaline degradation of different types of [cotton and wood] cellulose on treatment with highly **concentrated** *alkali* solution. 035790
Characterization and comparison of spent **oxygen**—*alkali* and soda pulping liquors. 035878
Mushrooms as indicators of mercury emissions in the vicinity of a *chlor-alkali* **plant.** 041683
In *alkali* **soils** urea spraying for saving nitrogen and more wheat. 040981

ALKALINE
Effect of *alkaline* and **acid** solutions on insecticidal activity of Bacillus thuringiensis [Bombyx mori]. 039210
Effect of *alkaline* **cations** on the electrophoretic spectrum of water-soluble proteins of tomato leaves. 037861
Rheological properties of agar-agar gels: the effect of *alkaline* **concentration** in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. 037137
Kinetics of the *alkaline* **degradation** of different types of [cotton and wood] cellulose on treatment with highly concentrated alkali solution. 035790
Character of ultraviolet-spectra of native DNA and DNA after acidic and *alkaline* **denaturation** depending on degree of plant supply with manganese ions. 036932
Extracellular *alkaline* ribonuclease of Penicillium brevicompactum [Fungi]. 036770
Differentiation of cultivars and cultivar groups of Poa pratensis by the fluorescence of their *alkaline* **extracts.** 038150
Profitable production of potatò in **feebly** *alkaline* soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Effect of chronic nicotine administration on the intestinal **mucosal** *alkaline* phosphatase in rats. 033970
Black olives by *alkaline* **oxidation.** III. A comparative study of iron determination methods. 033381
Studies on the *alkaline* **phosphatase** and 5'-nucleotidase of Dictyostelium discoidleum [Cellular slime mold]. 036789
Acid and *alkaline* **phosphatase** activity in relation to egg-laying and aging in Callosobruchus analis (Fab.) (Coleoptera: Bruchidae). 039658
Genetic polymorphism and enzyme activity of **plasmic** *alkaline* phoshatase in the water buffalo. 034607
Tolerance of *alkaline* **protease** of the fungus Torula thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Alkaline and **saline** soils. 040806
Effects of sulfur on reducing the pH [hydrogen-ion concentration] of an *alkaline* **soil.** 041067
Influence of different organic materials with and without rock phosphate and urea on reclamation of highly saline and *alkaline* **soil.** 041161
Amendment of alkalized and *alkaline* **soils** in the Socialist Republic of Romania. 041050
Isolation and characterization of **two** *alkaline* ribonucleases from calf serum. 033802

ALKALOIDS
Extraction and identification of clavine and lysergic **acid** *alkaloids* from morning glories [Ipomoea]. 037144
Alkaloids of **Alphonsea** ventricosa (Hook. F. & Th.). 036984
The **Amaryllidaceae** *alkaloids.* 036753
Parvine, a new **angustine-type** *alkaloid* from Nauclea parva. 037172
Krukovine, a new **bisbenzylisoquinoline** *alkaloid* from Abuta splendida Krukoff and Moldenke. 037064
Revision of the structure of the **bisindole** *alkaloid* 14',15'dihydropycnanthine. A carbon-13 nuclear magnetic resonance study [Gonioma malagasy]. 037065
A new **carbazole** *alkaloid* and coumarins from roots of Clausena anisata. 037156
The diterpenoid [Delphinium] *alkaloids:* **chemistry** and synthesis. 036748
Relation between nitrogen & *alkaloid* **contents** during different developmental stages of Datura innoxia Mill. 036996
The **cyclopeptide** *alkaloids* [Plants]. 036754
Synthesis in the pyrrolizidine class of *alkaloids,* **dl-supindine.** 037067
Effect of tweens on the production of **ergot** *alkaloids* by Aspergillus fumigatus [Fungi]. 036946
Pharmacological investigation of an *alkaloid* **fraction** isolated from Strychnos potatorum Linn. 036995
Hasubanan *alkaloids* of Stephania japonica. 037165
Acetyllasiocarpine, an *alkaloid* from **Heliotropium** europaeum[formed by mild acetylation of lasiocarpine, toxicity]. 039101
Accumulation of Vinca **herbacea** *alkaloids* according to the vegetation phases. 037267
A biogenetic-type approach to **homoerythrina** *alkaloids* [of Cephalotaxus harringtonia]. 037060
Indole *alkaloids* [Plants]. 036740
Production of alkaloids and related substances by fungi. XII. Isolation of festuclavine and three new **indole** *alkaloids,* roquefortine A, B and C from the cultures of Penicillium roqueforti. 037006
Indolizidine *alkaloids* [Dendrobium, Tylophora]. 036741
Beta-phenethylamines and the **isoquinoline** *alkaloids* [Plants]. 036737
Alkaloids of **Leucojum** vernum. 036870
Lycopodium *alkaloids.* 036742
Miscellaneous *alkaloids* [Plants, insects]. 036743
Structure of **new** *alkaloids* from the leaves of Voacanga thouarsii. 036853
Alkaloids in Tabernaemontana species. V. Accedine and N (a)-methyl-epi-affinine, two **new** *alkaloids* from Tabernaemontana accedens. 036864
New *alkaloids* from Peganum harmala. 036891
Phytochemical investigation of Hippeastrum vittatum growingin Egypt. II. Isolation and identification of **new** *alkaloids.* 037195
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a **new** *alkaloid* in Lupinus [luteus, yellow lupine] seedlings]. 037517
The pharmacology and toxicology of the **Papaveraceae** *alkaloids.* 036757
Biosynthesis **[Plant** *alkaloids].* 036738
Study on the effects of ecological factors on Solanum dulcamara *[Alkaloid* **production].** 036724
Pyrrolidine, piperidine, and **pyridine** *alkaloids* [Plants]. 036744
The **pyrrolizidine** *alkaloids* [Plants, butterflies]. 036749
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during **pyrrolizidine** *alkaloid* biosynthesis [in Senecio by double-isotope technique]. 037161
The **quinolizidine** *alkaloids* [Plants, Coccinellidae]. 036750
Amaryllidaceae and **related** *alkaloids.* 036736
Erythrina and **related** *alkaloids.* 036739
Quinoline, quinazoline, acridone, and **related** *alkaloids* [Plants]. 036745
Production of *alkaloids* and **related** substances by fungi. XII. Isolation of festuclavine and three new indole alkaloids, roquefortine A, B and C from the cultures of Penicillium roqueforti. 037006
7,8-methylendioxy-chinolin derivatives as **secondary** *alkaloids* in the flowers of Ptelea trifoliata. 037185
Microscopic qualitative analysis for the identification of a foreign **solanaceous** *alkaloid* in burdock root tea [Atropa lappa]. 036928
Study of the *alkaloids* of **Sophora** alopecuroides. 036901
Solanum and Veratrum **steroidal** *alkaloids.* 036746
Steroidal *alkaloids* of the Apocynaceae, Buxaceae, Asclepiadaceae, and of the Salamandra-Phyllobates group. 036747
Effect of availability of nitrogen on *alkaloid* **synthesis** in Solanaceae [Tobacco, potatoes, Datura stramonium]. 036846
Alkaloids in **Tabernaemontana** species. V. Accedine and N (a)-methyl-epi-affinine, two new alkaloids from Tabernaemontana accedens. 036864
Beta-phenethylamine and **tetrahydroisoquinoline** *alkaloids* from the Mexican cactus Dolichothele longimamma. 037062
Tropane *alkaloids* [Plants]. 036751
Alkaloids of **Urginea** altissima and their antimicrobial activity against Phytophthora capsici. 037159
Isolation of perloline, the **yellow** *alkaloid* of tall fescue [Festuca arundinacea]. 037549

ALKANE
YATP [adenosine triphosphate] value in Candida tropicalis grown on *n-alkanes,* **fatty** acids, and acetate. 036834
Influence of **substrate** *n-alkane* composition on lipid biosynthesis by the yeast Candida guilliermondii [Animal feed, industrial fats]. 033502

ALKYL
The effects of the ABS *[alkyl* **benzen** sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, domestic animals and plants. 041648
Alkyl **ferulates** from the bark and wood of plants of the Pinaceae family. 035730
The effects of the ABS [alkyl benzen sulfonate], LAS [**lineal** *alkyl* benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, domestic animals and plants. 041648

ALKYLATION
Lack of an effect of caffeine on repair systems in oocytes of Drosophila melanogaster following treatment of mature sperm with *alkylating* **agents.** 039879
Alkylation of **coenzymes** and the acute effects of alkylating hepatotoxins [Animals]. 035409
Chemical factors influencing **metal** *alkylation* in water [Pollution]. 041469
Correlatin between activity of nitrogen mustards in *alkylation* **reactions** and their mutagenic activity on fungi [Aspergillus nidulans]. 036666
Spectrophotometric study of *alkylation* of **sodium** xanthogenate of cellulose by dimethylsulfate. 035819

ALLATECTOMY
Allatectomy in **adult** bee workers (Apis mellifica). 040288
Delayed *allatectomy* and feeding in Phormia regina (Meig.): effects on follicular development. 039849
Morphofunctional state of principal organ system, life span, and fertility in the domestic cricket Acheta domestica during normal imaginal **development** and after *allatectomy.* 039930
The effects of *allatectomy* on the **lipid** composition of the fat body and haemolymph of adult Locusta [migratoria migratorioides]. 039686

ALLATUM
Corpus *allatum* and ovarian growth in a polymorphic paedogenetic insect [Aphis craccivora]. 039885

ALLELE
Mechanisms of the stabilization of the *allelic* **composition** of the esterase locus of Drosophila melanogaster. I. Relative viability of the genotypes. 039921
Mechanisms of the stabilization of the *allelic* **composition** of the esterase locus of Drosophila melanogaster. II. Dynamics of the gene and genotypic frequencies. 039922
New complementary gene CFL2 changing the manifestation of *allele* **fl2** in maize. 036522
Blood groups of sheep. II. Supplementary antigenic factors in the systems A, B, C and M; estimation of the *allelic* **frequencies** in the systems A, B, C, D, M and R of the French breeds Berrichon, Ile-de-France and Texel. 034566

ALLELOPATHY
Allelopathy among some **British** grassland species. 036219
Role of *allelopathy* as **expressed** by dominating trees in a lowland forest in controlling the productivity and pattern of herbaceous growth. 037888

ALLERGY
Allergy **[Cats].** 035317
A **first** *allergenic* sesquiterpene lactone from Chrysanthemumindicum L.: arteglasin-A. 037792
Characterization of proteins and *allergens* in **germinating** castor seeds by immunochemical techniques [to study its potential toxicity as feed]. 033549
Sensitizing activity of plant radiotoxins *[Allergic* **reaction** in mice and guinea pigs]. 035437

ALLIUM
Caryokinetic activity and dosage of DNA in root tips of *Allium* **cepa** L. [Onions] treated with B-995 [Mitosis]. 036389
Chromosomal variation in calluses induced in Vicia faba [broadbeans] and *Allium* **cepa** [onions]. 036574
The distribution of phenolic compounds in the leaves of some species of the **genus** *Allium.* 036915
The nucleolar morphology in anther tissues of the **onion** *Allium* fistulosum L. 036372

ALLOGENIC
The failure of *allogeneic* **cells** to maintain an immume response in nude mice [Infectious diseases]. 035200

ALLOMETRY
Population methods in the phenogenetics of plant quantitative traits. II. *Allometric* **analysis.** 036686

ALLOSTERIC
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and *allosteric* **properties** of native and chemically modified ox liver mitochondrial glutamate dehydrogenase. 033760

ALLOTYPE
Three **new** *allotypes* of mink serum alpha-lipoproteins Lpm 6, Lpm 7, Lpm 8 [Genes]. 034632

ALLOXAN
"Closing volume" changes in *alloxan-induced* **pulmonary** edemain anesthetized dogs. 034007

ALLUVIAL
Alluvial **process** in reclamation of meadows in the Opatowka river valley. 038213
Peculiarities of soil genesis in the *deltaic-alluvial* **valleys** of Juba and Webi-Shebeli rivers (equatorial Somali). 040614

ALMONDS
F1 hybrids of peach and *almond* **[Prunus** amygdalus] trees as models for both species. 036383
Etiology of *almond* **[Prunus** amygdalus] leaf scorch disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. 038869
Kinetic studies on the hydrolysis of p-nitrophenyl-beta-D-glucoside catalyzed by beta-glucosidase from **sweet** *almond* by means of the stopped-flow method. 033424
Separatian of the components of beta-glucosidase from **sweet** *almond* of the gel filtation. 033425
Use of the "direct sowing" method for planting a grove of *almond* **trees** [Prunus amygdalus, costs]. 038242
Comparative study of the effect of chemical and physical factors on **variability** of *almond.* 037716

ALNUS
Physico-mechanical properties of the wood of *Alnus* **barbata** C.a.m. 035817

Afforestation of bogs after industrial exploitation of peat [Pinus, *Alnus,* **foliar** diagnosis]. 035684

ALOPECIA
Thyroid function in feline **endocrine** *alopecia.* 035338

ALPINE
Improving the technology of *alpine* **logging.** 035798
Glume of maize Zea mays L. Male inflorescence damaged by Sorosporium reilianum (Kuehn) Mc *Alpine.* 038580
Bugiyals need urgent care *[Alpine* **pastures].** 038026
The importance of *Alpine* **pastures** as managed ecosystems. 038182
Effectiveness of nitrogen fertilizers on *alpine* **sown** meadows. 041125
Effect of grazing in *alpine* **vegetation** on Hardangervidda, South Norway. 037494

ALTERNARIA
A leaf blight *[Alternaria* **alternata]** of Fagopyrum tataricum in India. 038643
Detection of cell wall breaking ability by cellulase of *Alternaria* **brassicae** (berk.) Sacc. [Potatoes]. 038603
Biochemical changes in a resistant and susceptible variety of watermelon due to infection by *Alternaria* **cucumerina.** 038675
Isolation of ergosterol peroxide from *Alternaria* **dianthicola** [Fungi]. 036791
Effect of polyoxin on fungi. II. Electron microscopic observations of spore germination of *Alternaria* **kikuchiana** Tanaka. 036768
Nature of specific susceptibility to *Alternaria* **kikuchiana** in Nijisseiki cultivar among Japanese pears. IV. Target tissues of Alternaria kikuchiana toxin and their characteristic responses. 038733
Factors influencing the biosynthesis of beta-galactosidase in *Alternaria* **tenuis** [Fungi]. 037117
Preparation and properties of beta-galactosidase from *Alternaria* **tenuis** [Fungi]. 037227
Observations on the condition of red clover seeds during storage [Botrytis anthophila, *Alternaria* **tenuis].** 038793
Chemical nature of disease resistance and susceptibility in leaf blight of wheat caused by *Alternaria* **triticina.** 038648
Appraisal of yield loss in wheat due to foliage diseases caused by *Alternaria* **triticina** and Helminthosporium sativum. 038674
Nature of disease resistance and susceptibility in leaf blight of wheat caused by *Alternaria* **triticina** in vivo and in vitro. 038699
Quantitative and qualitative variations in leaf-surface wax in three varieties of wheat varying in susceptibility to blight caused by *Alternaria* **triticina.** 038708

ALTHAEA
Investigation of the polysaccharides from the stems of *Althaea* **rugosa.** 036885

ALUMINUM
Studies on the bottle breakages, number of trips made by a bottle and efficiency of *aluminum* **caps** forming and usage in a small sized milk processing plant. 032972
Possible ways of checking the closure of *aluminium* **containers** for meat dishes and sausage products. 033065
On the source of accumulation of **exchangeable** *aluminium* by reductants during gleyzation. 040737
Effect of polyethylene and *aluminium* **foil** mulches at three plant populations on yields of glass house tomatoes. 038508
Evidence for a new aluminium phosphate phase from reaction rate of phosphate with *aluminium* **hydroxide** [Soil fertility]. 041018
Localization of growth-inhibiting action of *aluminium* **ions** in elongating cell walls [Pea roots]. 037706
Evidence for a **new** *aluminium* phosphate phase from reaction rate of phosphate with aluminium hydroxide [Soil fertility]. 041018
Changes in the physical properties of soil clays due to **precipitated** *aluminum* and iron hydroxides. I. Swelling and aggregate stability after drying. 040758

AMANITA
Treatment of experimental poisoning produced by extracts of *Amanita* **phalloides** [Poisonious mushrooms, mice]. 035447
Enhanced inhibition of RNA synthesis by amanitins in in vitro cultured cells *[Amanita* **phalloides,** poisonous fungi]. 036925
Components of the green deathcap toadstool, *Amanita* **phalloides.** XLIX. Phallisacin and phallacin, two newly detected acidic phallotoxins, and some amide of phallacidin. 037080

AMANITINS
Enhanced inhibition of RNA synthesis by *amanitins* in in **vitro** cultured cells [Amanita phalloides, poisonous fungi]. 036925

AMARA
Contribution to the study of the **genus** *Amara* Bon. (Coleoptera, Carabidae) [New taxa]. 040006

AMARANTHUS
The hormonal control of amaranthin synthesis in *Amaranthus* **caudatus** seedlings. 037208

AMARYLLIDACEAE
The *Amaryllidaceae* **alkaloids.** 036753
Amaryllidaceae and **related** alkaloids. 036736

AMBROSIA
Analytical study of the distribution of sesquiterpene lactones of different *Ambrosia* **species** [Taxonomy]. 037799

AMIDES
The *amide* **hydrogen** bond in energy functions for peptides and proteins. 032835
Influence of drying methods on the free amino acids and *amides* of **mushrooms.** 033341
Components of the green deathcap toadstool, Amanita phalloides. XLIX. Phallisacin and phallacin, two newly detected acidic phallotoxins, and some *amide* of **phallacidin.** 037080
Poly(amide-acetals) and **poly(ester-acetals)** from polyol acetals of methyl (9(10)-formylstearate: preparation and physical characterization [Polymers]. 032858

AMINES
Effect of some **aromatic** *amines* of mitotic activity of meristematic cells of maize and bean roots. 037373
Oxidative deamination of **biogenic** *amines* by intestinal amine oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. 033921
Control of binder migration in nonwovens—use of anionically dispersed binders and cationic **quaternary** *amines* [Colloidal stability of latexes]. 032914
Amines of the **volatile** components of bread baked from dough prepared by different methods. 033149

AMINO
Taxonomic patterns in *amino-acids* of **Acacia** seed globulins [from Australian species]. 036114
Protein and *amino* **acid** changes in peanut (Arachis hypogaea L.) seeds infected with Aspergillus oryzae. 032341
Effect of anabolics on *amino* **acid** imbalance in short term experiments. IV. Effects of stanozolol on plasma proteins in rats [Nutrition]. 032406
Amino **acid** content of Domiati ripened market cheese. 032931
Protein and *amino* **acid** compositions of dry-milled and air-classified fractions of triticale grain. 033209
Amino **acid** and protein evaluation of commercially grown opaque-2 and normal corns. Two year summary. 033570
Evaluation of the *amino* **acid** content and the proximate composition of several varieties and grades of peanuts. 033571
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. *Amino* **acid** sequence of peptides from cyanogen bromide hydrolysate. 033783
Amino **acid** transport by the helicoidal colon of the new-born pig. 033785
17-beta-estradiol and transportation of *alpha-amino-isobutyric* **acid** in chicken's liver sections. 033884
The *amino* **acid** sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
On the activation of bovine plasma Factor XIII: *Amino* **acid** sequence of the peptide released by thrombin and the terminal residues of the subunit polypeptides. 034030
Age specificity of the *amino* **acid** composition and nitrogen content in the connective tissue of Caucasian Brown cattle. 034180
Determination of lysine and methionine requirements. II. Establishment of *amino* **acid** supplies in fattening pigs by the determination of certain parameters of the blood plasma. 034249
Regulation of development in Dictyostelium discoideum [Fungi]. I. Initiation of the growth to development transition by *amino* **acid** starvation. 036907
A new synthesis of *L-2-amino-3-oxalylaminopropionic* **acid,** the Lathyrus sativus neurotoxin. 037061
Comparative capacity of *amino* **acid** incorporation by isolated nuclei and chloroplast preparations [Chlorella, Algae]. 037269
Amino **acid** composition of opaque-2 [corn] kernels from different backgrounds. 037332
Activation of division and extension of tobacco tissue culture cells in the presence of *4-amino-3,5,6-trichloropicolinic* **acid.** 037411
Amino **acid** composition of isogenic lines in barley. 037466
Amino **acid** composition in soybeans, depending on fertilizer application. 037531
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. *Amino* **acid** composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
Amino **acid** spectrum of three Xylariaceous fungi [Hypoxylon haematostroma, Rosellinia petrakii, Xylaria dealbata]. 038672
The *amino* **acid** requirements for larval development of the hymenopterous parasitoid Exeristes roborator Fabricius (Hymenoptera: Ichneumonidae). 039681
Action of growth hormone in vitro on the net uptake and incorporation into protein of *amino* **acids** in muscle from intact rabbits given protein-deficient diets. 032183
Amino **acids** and taste. 032240
Absorption of *amino* **acids** in tropical malabsorption. 032260
The effect of the vitamins A and E on the *amino* **acids** composition of proteins in different segments of the brain in old animals [Rats]. 032500
X-ray studies of *poly(amino* **acids)** as structural models for proteins. 032836
Relation between the content of wines in higher alcohols and the content of musts in nitrogen substances particularly in *amino* **acids.** 033356
Amino **acids,** their annalogues and ninhydrine positive substances in cattle cerebellum. 033828
In vitro absorption of *amino* **acids** by the small intestine of sheep. 034002
The influence of the method of preservation of forages on the digestion in dairy cows. 2. Digestion of organic matter, energy and *amino* **acids** in forestomachs and intestines. 034119
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of *amino* **acids** and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of *amino* **acids.** 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
Amino **acids** of proteins of oocysts in some species of Coccidia from hens. 035184
Amino **acids** in modern and fossil woods. 035837
Intravarietal hybridization of wheat and its effect on the quantitative characters and *amino* **acids.** 036614
The absolute configuration of the *amino* **acids** in delta-(alpha-aminoadiphyl)cysteinylvaline from Penicillium chrysogenum[Fungi]. 036805
An investigation of the *amino* **acids** of Passiflora incarnatacultivated in Georgia. 036871
Polypeptides and *amino* **acids** in the bulbus of Merendera caucasica. 037196
Enzymic disintegration of pectines in the presence of *amino* **acids** and proteins [Aspergillus niger, Fungi]. 037218
Quantitative and qualitative changes in proteins and *amino* **acids** in white lupine plants during growth and development. 037463
Selectivity in xylem to phloem transfer of *amino* **acids** in fruiting shoots of white lupin (Lupinus albus L.). 037530
Metabolism of *amino* **acids** in bean plants under the deficit of magnesium and calcium in the nutritive medium. 037852
Changes in *amino* **acids,** carbohydrates and capsaicin content of red fruits of chillies infected with Colletotrichum piperatum. 038676
Apparent *amino* acid digestibility of feather meal with laying hens. 034383
The activity and localization of alanine- and **aspartate** *amino-transferases* in plants with C4[carbon]-photosynthesis [Maize, proso, rye]. 037395
The effect of **atrazin** *(2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine)* on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the **basic** *amino* acids of goat milk. 034317
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an *aromatic-amino-acid-synthesizing* **complex** of Neurospora crassa [Fungi]. 037241
Post-infection changes in *amino-acid* **contents** of leaves of Mimusops hexandra infected by Pestalotiopsis neglecta. 038707
Effect of the excessive feeding of **dietary** *amino* acids in rats. 032335
Histidine: an **essential** *amino* acid for normal adults. 032421
Incorporation of **exogenous** *amino* acids into metabolism of winter wheat at different temperatures of growth. 037427
Free *amino* acids of the human blood serum with endogenous alimentation. 032487
Change in the **free** *amino* acid composition of Egyptian barley during preparation of malt and wort. 033150
Influence of drying methods on the **free** *amino* acids and amides of mushrooms. 033341
Effect of picking stage on **free** *amino* acids content in tomato fruits during storage at chilling and non-chilling temperatures. 033344
Free *amino* acids of enzymically brightened [fruit] juices. 033439
Influence of rumen ciliate protozoa on the concentration of **free** *amino* acids in the rumen fluids. 034088
Comparison of **free** *amino* acids in blood serum of men and animals. 1. Man, rat, mouse, cock [chickens]. 034239
Ruminal properties and plasma **free** *amino* acids of cows fed purified diets containing urea or soy protein together with rice straw. 034425
Partial replacement of protein with carbamide in feeding rations and its effect on the concentration of **free** *amino* acids in the digestive tract of cattle. 034493
Formation and distribution of **free** *amino* acids in the mycelium of Cunninghamella elegans [fungi] during growth on mediawith glucose or dodecane. 037119
Effect of yellow mosaic on the composition of **free** *amino* acids in the grape leaves. 038902
A qualitative of **free** *amino* acids in the developmental stages of Sitotroga cerealella Oliv. and Cadra cautella (Wlk) [Pests of stored cereals]. 039424
Free *amino* acids in dark Chestnut soils of northern Kazakhstn. 040726

Composition in **free** *amino* acids of sap from tomato plants treated with different levels of boron [Fertilizer]. 040864
Metabolism of *3-amino-1,2,4-triazole* **[herbicides]** in rats. 039100
Free **intracellular** *amino* acids of the mycelium of Aspergillus oryzae [Fungi] and acid proteinase synthesis. 036771
Nonmetabolic catalysis of 14C [carbon **isotope]-furfuryl** *amino* purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Leaf *amino* acids of Psidium guajava [Guavas]. 037790
Changes in **protein** *amino* acid composition in the seeds of an induced spring vetch mutant. 036461
The effects of malnutrition on immunological responses of the host: the key role of **scarce** *amino* acids. 032319
Formation of volatile sulfur compounds by microbial decomposition of **slfur-containing** *amino* acids in soils. 040798
Role of *aminoacids* and **specific** efficiency-possessing substances in treating the protein-deficit balance [Livestock, feeding]. 034516
Changes in proteins and free and **total** *amino* acids of peanuts (Arachis hypogaea) infected with Aspergillus parasiticus. 038582
Absorption and incorporation of **tracer-labelled** *amino* acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of **tracer-labelled** *amino* acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Activity of *amino* **transferases** in the roots of wheat varieties of different productivity. 037421
Comparison of the biological effects in rat of high doses of **two** *4-amino-7-chloroquinoline* derivatives chloroquine and glafenine. 035392

AMINOACYL

The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and **chloroplast** *aminoacyl-tRNA* synthetases during cotyledon development. 037364

AMINOBUTYRIC

Gamma-aminobutyric **acid** receptor on vascular smooth muscle of dog cerebral arteries. 033835

AMINOLAEVULIC

The effect of *delta-aminolevulinic* **acid** on the protochlorophyllide accumulation and chlorophyll formation in barley green leaves. 037398

AMINOPEPTIDASES

Study of the enzymatic activity of human and anaimal serum **cystine** *aminopeptidase* dependence on the pH [hydrogen-ion concentration] of the medium [Sheep, cattle]. 034225
Leucine *aminopeptidase* (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. 034041
Aminopeptidases in **webbing** clothes moth larvae [Tineola bisselliella. Properties and specificities of the enzymes of intermediate electrophoretic mobility. 039639

AMINOPHENOL

Ferrihemoglobin and kidney lesions in rats produced by *4-aminophenol* or **4-dimethylaminophenol.** 035393

AMINOTRANSFERASES

Primary structure of cytoplasmic **aspartate** *aminotransferase* from porcine myocardium. Amino acid sequence of peptides from cyanogen bromide hydrolysate. 033783
Occurrence of **kynurenine** *aminotransferase* in extracts of yeasts. 036849
Response of alanine, tyrosine & **leucine** *aminotransferases* to dietary pyridoxine & protein in rat tissues. 032336

AMINOURACIL

Effect of DNA synthesis **inhibitor** *5-aminouracil* on the mitotic cycle of sprouting seeds of Crepis capillaris L. 036369

AMMONIA

Collapse phenomena in beechwood [Fagus sylvatica] during and after NH3 **[anhydrous** *ammonia]-impregnation.* 035905
An **effective** *ammonia* reactor for the continuous production of fire-retardant cotton fabrics. 031952
Lime and *peat-mineral-ammonia* **fertilizers** on drained [pasture] lands. 041005
Ammonia **increases** broiler costs [Housing]. 031497
Excretion of *ammonia* and **inorganic** phosphorus by Euphausia pacifica and Metridia pacifica at different concentrations of phytoplankton. 037046
Protein absorption and *ammonia* **production:** the effects of dietary protein and removal of the colon. 032185
Purification of phosphoric acid with methanol and *ammonia* **[solution** fertilizer production]. 040992
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an *ammonia* **vapor** cure]. 031959

AMMONIUM

Solubilization of a phosphorite with *ammonium* **bisulphate** in a solid state. 040868
In vitro study on the mechanism of *ammonium* **chloride** on the prevention of urolithiasis in fattening cattle. 035352
Stabilization of harvest of the [grape[variety Neuburger by means of inhibiting substances and spraying with *ammonium* **molybdate.** 038412
Fermentative conversion of sugarcane juice into fungal protein. II. Effect of different nitrogen sources, levels of *ammonium* **nitrate** and incubation period. 033243
Short-term studies of the uptake of nitrogen by young apple trees after soil application of *ammonium* **nitrate.** 037632
Differences in volume growth increase after [forest] fertilization with urea and *ammonium* **nitrate** fertilizer. 040886
Dates and methods for urea and *ammonium* **nitrate** application to irrigated maize on soils having a heavy mechanical composition. 041030
Nitrogen in crops and leaching water using nitrate and *ammonium* **nitrogen** as fertilizers. Lysimeter experiments 1962-1972. 041107
Relation between the agrochemical properties of soils, their content of **nonexchangeable** *ammonium* and its fixation capacity. 040834
A new **quaternary** *ammonium* compound with plant growth regulatory activity [Chrysanthemum morifolium]. 037693
Flowering and fruit set of [kidney] bean (Phaseolus vulgaris L.) as influenced by *ammonium* **sulphate** and calcium superphosphate. 037690
Effect of urea and *ammonium* **sulphate** applied before sowing on sudangrass [Sorghum sudanese] seedlings. 040993

AMOEBA

Discovery of a 3',5'-guanosine monophosphate simulating factor in *amoebae* of **Dictyostelium** discoideum [Fungi]. 036812
Amoebae of the **Limax** group in some species of farm and domestic animals. 035223
Effect of bacterial & fungal extracts & metabolic inhibitors on excystment of **soil** *amoebae.* 040659

AMPEROMETRY

Determination of sulphydryl and disulphide groups in proteins by *amperometric* **titration.** [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. 033114

AMPHIMALLON

Control of Japanese beetle [Popillia japonica] and European chafer grub *[Amphimallon* **majalis** in turf] with Dursban insecticide. 039276

AMYGDALUS

F1 hybrids of peach and almond **[Prunus** *amygdalus]* trees as models for both species. 036383
Use of the "direct sowing" method for planting a grove of almond trees **[Prunus** *amygdalus,* costs]. 038242
Etiology of almond **[Prunus** *amygdalus]* leaf scorch disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. 038869

AMYLASES

Isolation of the **acid-fast** *alpha-amylase* of Aspergillus awamori [Fungi] and study of its properties. 036773
Grain development and *amylase* **activities** in rye and triticale compared with wheat. 037486
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, *amylase* **activity** and respiration in sprouting potato. 037617
Immunohistochemical localization of *alpha-amylase* in **barley** aleurone cells. 036321
Genetic polymorphims of *amylase* and **ceruloplasmin** in two breeds of hogs raised in the southern UkrSSR. 034602
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, *amylase* **inhibitor** and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Adsorption of **microbial** *beta-amylase* on starch [from soybean, barley, potato]. 033141
Analysis of the structural forms of *alpha-amylase* **present** in chicken (Gallus domesticus) pancreatic duct juice and intestinal lumen. 033866
Establishing optimum conditions for deep cultivation of some Aspergillus oryzae [Fungi] mutants **producers** of *amylase.* 036919
Relative *amylase* activity of some malted cereal grains. 033269
Relation between *amylase* **release** and changes in electrophysiological and morphological properties of cells in the exocrine pancreas. 033957
The activity of *alpha-amylase* in the **ripening** grain of different rye varieties as affected by some environmental factors. 037505
Structures of multi-branched dextrins produced by **saccharifying** *alpha-amylase* from [rice] starch. 033262

AMYLOLYSIS

Regulation of biosynthesis of *amylolytic* **enzymes** from Endomycopsis fibuligera str. 20-9 [Yeasts]. 037228

AMYLOSIS

Comparative study on cellulose reaction and on structure **modifications** of *amylose.* 035722

ANABAENA

An election-microscopic and biochemical study of the spheroplasts of the blue-green **alga** *Anabaena* variabilis. 037114
Peculiarities of the oxygen metabolism of the obligate phototrophic blue-green **alga** *Anabaena* variabilis in darkness. 037121
Photosynthetic electron transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of *Anabaena* **cylindrica** [Algae]. 036820

ANABASINE

Densitometric method of determination of nicotine, nornicotine and *anabasine* in **tobacco.** 032891

ANACARDIACEAE

The woods of Philippine Anacardiaceae (Genera Buchanana, **Parishia** and *Pistacia).* 035760

ANACYSTIS

In vivo excretions of the blue-green **algae** *Anacystis* nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
Accumulation, mobilization and turnover of glycogen in the blue-green **bacterium** *Anacystis* nidulans [Algae]. 037302
Potassium requirement for cell division in *Anacystis* **nidulans** [Algae]. 037013

ANAEROBES

Effect of vitamin C on the immunological reactivity of **animal** *anaerobic* infections. 035204
Anaerobic **bacteria** and ther activities in soil. 040648
Coprophagy-dependent changes of the *anaerobic* **bacterial** flora in stomach and small intestine of the rabbit. 035289
Development of mitochondrial membranes in *anaerobically* **grown** yeast cells [Saccharomyces cerevisiae]. 037016
Secondary dormancy in light-sensitive lettuce seeds **incubated** *anaerobically* or at elevated temperature. 037674
Efficacy of certain chemical and biological compounds for control of odor from *anaerobic* **liquid** swine manure. 041603
Effect of *anaerobic* **swine** lagoons on ground water quality. 041652

ANALGOIDEA

Parasitic mites of Surinam. XXXII. New species of feather mites **(Sarcoptiformes,** *Analgoidea).* 040082

ANALOGS

Analog **circuit** of the Acetabularia membrane [Algae]. 037054
DDT *analog* depletion patterns in steers [Gin trash, residues]. 039566
A method for formation of *analog* **groups** in research on genetics and breeding [Cattle]. 034813
Laboratory and field trials with two synthetic juvenile **hormone** *analogues* on four aphid species [Pest control]. 039207
Effects of some juvenile **hormone** *analogues* on the last instar larvae of Cephonodes hylas L. (Lepidoptera). 039211
Formation of genital system in Tenebrio molitor at latent stages of ontogenesis determined by means of the juvenile **hormone** *analogues.* 039968
Low mutagenic activity of four **hycanthone** *analogues* in Drosophila melanogaster. 039880
Induction of ovulation in hens by an *analogue* of **LH-RH** [luteinizing hormone, releasing hormone]. 034685
In vitro release of gonadotropins from the pituitary of cocks by an *analogue* of **luteinizing** hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Mechanisms of action of neutrotransmitters and their *analogues* on **salivary** duct electrolyte transport. 033940
Physiological peculiarities of winter soft wheat **sterile** *analogues* with Triticum timopheevi Zhuk cytoplasm. 036481

ANALYZERS

CLEAN [Comprehensive Lake **Ecosystem** *Analyzer],* the aquatic model of the eastern deciduous forest biome. 041539
The [Neotec] Grain **quality** *Analyzer.* 033225
Improvements in chlorine **residual** *analyzers* [Water and wastewater treatment]. 041574

ANAPLASMA

Effects of vaccination of beef cattle for **anaplasmosis** *[Anaplasma].* 035144
A new development for a potentially improved anaplasmosis *[Anaplasma]* **vaccine** [Beef cattle]. 035143

ANAPLASMOSIS
Effects of vaccination of beef cattle for *anaplasmosis* **[Anaplasma].** 035144
A new development for a potentially **improved** *anaplasmosis* [Anaplasma] vaccine [Beef cattle]. 035143

ANASTOMOSES
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of cutaneous blood flow between capillaries and **arteriovenous** *anastomoses* (AVA's) [Sheep]. 034125

ANATOMY
Relationship between the volume of the beef carcass and the weight of its *anatomical* and **chemical** components. 033040
Estimation of the composition of beef carcasses from the composition of the 11th rib cut. I. *Anatomical* **composition.** 033039
Carpologic-anatomical **data** on systematics of Caucasian species of Tripleurospermum Sch. Bip. 035966
Bibliography [Plants, physiology, biochemistry, diseases, **equipment,** *anatomy].* 035927
Morphologo-anatomical **features,** yield and quality of Jebel Basma 359 tobacco variety as influenced by soil. 038135
A contribution to the **floral** *anatomy* and embryology of Ochnaceae. 036325
Anatomical and **histological** study of the cabbage root fly Hylemya brassicae rectum on the occurrence of a pheromone gland. 039871
Anatomy and **histology** of the nervous system of Ephemera vulgata L (Ephemeropera). 039711
Irregular *anatomical* features of wood as an aid in silviculture. 036312
The results of *anatomical* and **microchemical** analyses of the roots of the Tbilisuri variety in relation with resistance to Phylloxera [vitifoliae]. 039367
"Dietan"—a computer-assisted program on *anatomy* and **nutrition.** 032347
Anatomy and **physiology** of the grapevine. 036354
Study of the variability of some *anatomical-morphological* **properties** of wheat grain. 036358
A microbiologist's view of **root** *anatomy.* 036315
Some informations given by the study of the *anatomy* of **Selaginella** myosurus (Sw.) Alston [Phylogeny]. 036275
Anatomical **structure** of lumbang [Aleurites moluccana] as regards wooliness in veneer manufacture. 035750
Peculiarities of the *anatomical* **structure** of the leaf petiole in the species of Seseli L. and their taxonomic significance. 035980
On variations in *anatomical* **structure** of the bark of two species of larch [Larix sibirica, Larix dahurica]. 036330
Anatomical **study** of the cladodes of some species of the genus Asparagus L. 036279
Simple to scalariform combination perforation plates in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) **[Wood** *anatomy].* 035777
Terminology used for describing the cambium **[Wood** *anatomy].* 035778
The presence of biseriate rays in fir (Abies alba Mill.) **[Wood** *anatomy].* 035779

ANCHOR
Continuous trench construction method and **grouted** *anchorage* for regulation of the Vecht River in Schuettorf [Flood control]. 041443

ANDRENA
Study of *Andrena* **carantonica** behavior during blooming of Golden Delicious apple trees [Insects as pollinators]. 039624

ANDROGEN
Changes in the biological effectiveness of *androgens* after the **exposure** of cockerels to lindane. 035451
Role of the generative cell in *androgenesis* in **henbane** [Anthers, uninucleate pollen grains]. 036355
Suppression of the development of female hamster [sexual] behaviour by implants of testosterone and **non-aromatizable** *androgens* administered neonatally. 034673
Enzyme activity in kidney, adrenal and gonadal tissue of rats treated neonatally with *androgen* or **oestrogen.** 034055

ANDROPOGON
Net productivity and ecological efficiency of *Andropogon* **scoparius** growning in an Ohio relict prairie. 036241

ANDROSTENEDIONE
The effects of active immunisation against *androstenedione* on **luteinizing** hormone levels in the ewe. 034641

ANEMIA
Iron supplementation for **gestational** *anemia:* a model field trial. 032424
Equine **infectious** *anemia* [Virus]. 034963
Control of **nutritional** *anaemia* with special reference to iron deficiency. 032504
Utilization of iron from enriched wheat bread by normal and *anemic* **rats.** 032198

ANESTHESIA
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to meat extract stimulation in *anaesthetized* **cats.** 034078
Blockage of nerves of organs of the pelvis and udder of **cows** *[Anesthesia].* 034934
Considerations about the **dissociative** *anesthesia* in the tonsillectomy of the dog. 034882
Ketamine HCl [hydrogen chloride], a **dissociative** *anesthetic* for squirrel monkeys (Saimiri sciureus) [Laboratory animals]. 034910
Normal values of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in *unanesthetized* **dogs.** 033714
"Closing volume" changes in alloxan-induced pulmonary **edemain** *anesthetized* dogs. 034007
Diaphragmatic activity and lung liquid flow in the *unanesthetized* **fetal** sheep. 034009
Sedation and **general** *anesthesia* [Cats]. 034891
A **steroid** *anaesthetic* for cats. 034916

ANESTRUS
54Mn [manganese isotope] uptake by the ovaries and reproductive tract of cycling and *anestrous* **ewes.** 033853

ANETHUM
Investigation of the oils of *Anethum* **graveolens** [Essential and fatty oils]. 032770

ANEUPLOIDS
Fertility and productivity of tetraploid rye as **affected** by *aneuploidy.* 036645
Aneuploidy in **corn** autotetraploids. 036460
Sex expression in *aneuploid* **gametophytes** of the brown alga Ectocarpus siliculosus (Dillw.) Lyngb. 036390
Chromosome constitution in cultured callus cells from four *aneuploid* **lines** of the homoeologous group 5 of Triticum aestivum [Wheat]. 036575
Multinucleate plant cells. I. *Aneuploidy* in a **proliferating** population. 036309
Aneuploidy in the **seed** progeny of tetraploid rye. 036665

ANGIOSPERMAE
Observations on exine structure of Eucommiidites and lower **Cretaceous** *angiosperm* pollen. 036343
About the ways, directions and evolutionary importance of the reduction of biological structures **[Parasitic** *Angiospermae].* 035913
Formation and development of spermia in some *angiosperms.* I. **Poaceae** (Gramineae). II. Asteraceae (Compositae). 036285
Hydrocarbons from seeds [of some **species** of *Angiospermae].* 037166

ANHYDROUS
Collapse phenomena in beechwood [Fagus sylvatica] during and after NH3 *[anhydrous* **ammonia]-impregnation.** 035905

ANIMALS
Toxicity of antibiotics in animals under suboptimal conditions. III. Toxicity of *animals* **affected** by experimental thyrotoxicosis [Rats]. 035394
The world food crisis—the Watergate of *animal* **agriculture** [Cattle production, meat consumption]. 031678
Animal **agriculture** and waste recycling. 041591
Effect of vitamin C on the immunological reactivity of *animal* **anaerobic** infections. 035204
Let's feed people and *animals* [The place of **animal** productsin our diets]. 032168
Genetically controlled electrophoretic variants of esterase in silver foxes [Fur **bearing** *animals].* 034819
Polymorphism and mosaicism for supernumerary chromosomes in silver roxes [Fur **bearing** *animals].* 034823
Animal **behavior** as a subject for veterinary students. 033873
On the biological indication of odour *[Animal* **behavior].** 034187
Animal **behavior** and heredity (a review of literature). 034826
Bone and **biomineralization** *[Animals].* 034196
Natural resistance of **bovine** *animals* to Micrurus nigrocinctus venom. 035449
Some unkind remarks about advertising *[Animal* **breeding** business]. 031713
The risk of using young bulls as **breeding** *animals.* 034716
Animal **brucellosis** [Goats]. 034968
The use of some by-products in feed mixtures for *animals* **[Cattle,** sheep]. 034375
Rapid detection of mycoplasmata and nonculturable agents in *animal* **cell** cultures by uracil incorporation. 035148
Measurement of protein turnover in *animal* **cells.** 034104
An in vivo study of the action of type A2 influenza virus on the chromosomes of *animal* **cells.** 034600
Transition of immunity to the offspring in *animals* with the **chemochorial** type of placenta. 035209
The potential of crop residues as **commercial** *animal* feed. 033543
The historical ecology of Lakenheath Warren in Suffolk, England. A case study [Plant and *animal* **communities].** 036179
Animal **consumption** of cereals in 1974-1975. 034463
External parasites in *animals* and their **control** [Ticks]. 039458
Comparative performance of buffaloes and Sahiwal cows as **dairy** *animals.* 033600
Life cycle of toxoplasm and their epizootological **danger** for *animals.* 035206
A method of collecting and processing nematode larvae for electron microscopy *[Animal* **diseases].** 035123
Adhesive properties of enteropathogenic bacteria *[Animal* **diseases].** 035146
Plaque-forming factor produced by Mycoplasma pulmonis *[Animal* **diseases].** 035166
Some data on the venomous apparatus of Loxosceles laeta andtoxicity of its venom on **diverse** *animal* species. 039648
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some *animals* **[Dogs,** rats, guinea pigs, hens]. 034034
Roboran H, a new vitamin preparation for fur-bearing and small **domestic** *animals.* 034515
Names of breeds of **domestic** *animals* [in Slovak and its local dialects]. 034553
Heredity and infectious diseases of **domestic** *animals* [Resistance breeding]. 034564
The future use of cytogenetics in the manipulation of **domestic** *animal* populations. 034762
Hidden vices in the sale of **domestic** *animals* [Diseases, legislation]. 034875
Symptoms of rabies in **[domestic]** *animals.* 035215
Amoebae of the Limax group in some species of farm and **domestic** *animals.* 035223
Neonatal isoerythrolysis in **domestic** *animals:* a comparative review [Horses, cattle, swine]. 035294
Vitamin E and selenium deficiencies (VESD) of **domestic** *animals.* 035295
The effects of the ABS [alkyl benzen sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, **domestic** *animals* and plants. 041648
Devon Island, Canada [Plants, *animals,* **ecology].** 036191
Industrial processing of **edible** *animal* by-products. 033082
In vitro activity of the venom and other components of Loxosceles laeta on human and *animal* **erythrocytes.** 039647
Introduction into the biometry of *animal* **experiments.** 033755
Extensive *animal* breeding even tomorrow? 034850
Water and electrolyte metabolism in **farm** *animals.* 034234
Some comments on the effect of leguminous plants on health conditions of **farm** *animals.* 034517
Simple chromosome banding technique for **farm** *animal* investigations. 034613
Domestication and population genetics **[Farm** *animals].* 034705
Legal regulation of breeding and reproduction of **farm** *animals.* 034858
Influence of substrate n-alkane composition on lipid biosynthesis by the yeast Candida guilliermondii *[Animal* **feed,** industrial fats]. 033502
Beet top utilization [as *animal* **feed].** 033505
The [French] National Institute of Agronomic Research at the service of the *animal* **feed** industries. 033510
Experience of *animal* **feed** production in Barbados and the eastern Caribbean. 033521
The potential of single cell protein for *animal* **feed.** 033529
Cell protein as *animal* **feed** from thermophilic digestion of swine wastes. 033535
Economic feasibility of waste as *animal* **feed.** 033538
Waste utilization as *animal* **feed** in the U.S. 033544
The use of coffee processing waste as *animal* **feed** [Calves]. 034372
Uralpa, a new form of urea for *animal* **feeding.** 033511
Immunodepressant action of some pesticides with different conditions of *animal* **feeding** [Rats]. 039598
World cereal supplies and trade and usage for *animal* **feeds.** 031647
Factors limiting the production of animal products in the tropics, with particular reference to *animal* **feeds.** 033522
The standardisation and control of quality of *animal* **feeds.** 033531
World production and utilization of fishmeal and factors affecting quality and marketability *[Animal* **feeds].** 033534
Rubratoxin B [as contaminants of *animal* **feeds,** dogs, toxicity]. 035416
A possible enzymic assay for trichothecene mycotoxins in *animal* **feedstuffs.** 033580
Mycotoxin determinations on *animal* **feedstuffs** and tissues in Western Canada. 035401
Thyroidal radioiodine exposure of the **fetus** *[Animals].* 035412
The natural history of anisakiasis in *animals* **[Fishes].** 035124
The enviromental impact of antibacterial drugs in **food** *animals.* 035185
Estimating feed production requirements [on a national scale, **fur** *animals].* 031570
Production of **fur** *animals* in countries outside Scandinavia. 033618
Raising **fur** *animals* in Denmark, 1974-1975. 033683
Calorie requirements and feed consumption **[Fur** *animals].* 034357
Availability and nutritional value of feed **[Fur** *animals].* 034501
The coat defect metallic **[Fur** *animals,* genetics]. 034847
Lice [Anoplura, Mallophaga]. Means of controlling lice [in **fur** *animals].* 039512
Before starting a new pelting season [Skinning **fur-bearing** *animals,* foxes, minks]. 033100
County statistics 1973 and 1974 [Skins, **fur-bearing** *animals].* 033101
Designing the pelting room [Skinning **fur-bearing** *animals].* 033102
Development of the pelt industry in the Soviet Union **[Fur-bearing** *animals].* 033655

Cleansing of wastewater from the feed preparation area for **fur-bearing** *animals* [Pollution]. 041622
Protection of agricultural plantings from damage by **game** *animals.* 039051
Changes in the pyrimidine nucleotide DNA isopliths of the haemopoietic system of **gamma-irradiated** *animals* [Rabbits]. 034167
The *animal* **growth** phase plane [Feeding]. 034422
Regional laboratories of *animal* **health.** 034878
Alkylation of coenzymes and the acute effects of alkylating **hepatotoxins** *[Animals].* 035409
Adaptive immunity in **hoofed** *animals* in ontogenesis. 035201
The real estate aspects of an *animal* **hospital.** 034904
Full air-conditioning of *animal* **houses** some basic aspects. 040376
Petroleum hydrocarbon toxicity studies. VI. *Animal* and **human** responses to vapors of "60 solvent". 035442
Petroleum hydrocarbon toxicity studies. VII. *Animal* and **human** response to vapors of "70 solvent". 035443
Petroleum hydrocarbon toxicity studies. VIII. *Animal* and **human** response to vapors of "140 degrees flash aliphatic solvent". 035444
A leading role [of women] in agriculture and *animal* **husbandry.** 031308
Joint responsibility for a high level of crop farming and *animal* **husbandry** [Cooperatives, East Germany]. 031333
Animal **husbandry** in Surinam and its development. 031918
Food of animal origin: increasing the supply *[Animal* **husbandry,** research projects, Italy]. 033637
Results and prospects of scientific research at the All-Union Institute of *Animal* **Husbandry.** 033666
Practical application of prostaglandins in *animal* **husbandry.** 034643
Aerosols in *animal* **immunization** [Poultry]. 035259
The mixed feed industry and the *animal* **improvement** sector. 034330
Animal **improvement** with maize [Cattle, swine]. 034451
Organized cooperation between building and equipment enterprises when preparing and erecting **industrial** *animal* and plant production units. 040325
The structure of pili (fimbriae) of Moraxella bovis [Bacteria pathogenic to *animals,* **infectious** keratitis]. 035039
Animal **influenza** [Virus diseases]. 035072
Sugarcane as the basis for **intensive** *animal* production in the tropics [Cattle, feeding]. 034369
Capillary tube urinalysis for small **[laboratory]** *animals.* 034097
Laboratory *animals* in aging studies. 034102
Use of **laboratory** *animals* in artificial organ research. 034103
Prostaglandins and studies related to reproduction in **laboratory** *animals.* 034644
A review of reproductive patterns in New World monkeys **[Laboratory** *animals].* 034710
Application of the subhuman primate pregnancy test kit to pregnancy diagnosis in baboons **[Laboratory** *animals].* 034711
The breeding and utilization of baboons for biomedical research **[Laboratory** *animals].* 034714
Diagnostic radiology: its utilization in nonhuman primate medicine **[Laboratory** *animals].* 034909
Ketamine HCl [hydrogen chloride], a dissociative anesthetic for squirrel monkeys (Saimiri sciureus) **[Laboratory** *animals].* 034910
Shrews: a review of the diseases, anomalies, and parasites **[Laboratory** *animals].* 034911
A natural case of Schistosoma mansoni in the chimpanzee (Pan troglodytes versus) **[Laboratory** *animals].* 035142
The occurrence and pathology of chlamydiosis [Chlamydia] indomestic and **laboratory** *animals:* a review [Bacterial diseases]. 035176
The first report on the radiological diagnosis of thoracic diseases in **large** *animals*—a review of 140 clinical cases. 034899
Choice of *animals* for **large-capacity** cattle stables. 033685
The German Federal Republic's 1974 export trade in **live** *animals.* 031590
Effects of active immunization with steroids on endocrine and reproductive functions in **male** *animals.* 034639
Molybdenum—a toxicological appraisal **[Man** and *animals].* 031988
Lipoprotein metabolism **[Man,** *animals].* 032167
Comparison of free amino acids in blood serum of men and *animals.* 1. **Man,** rat, mouse, cock [chickens]. 034239
Murine cytomegalovirus (MCMV) *[Animals,* **mice,** human]. 034965
Reproduction of wild-caught and laboratory-born marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus) *[Animal* **models].** 034713
Gastrointestinal transit in **monogastric** *animals.* II. Motor events and digesta movements. 033750
Indentification of fungi and their effects on *animals* **[Mycotomins,** feed]. 033564
Catabolism of fatty acids by chicken liver homogenates incubated with margaric, stearic and linoleic acids *[Animal* **nutrition].** 034423
The beginning of science in *animal* **nutrition** by Justus von Liebig and Wilhem Henneberg. 034530
The 150th birthday of Wilhelm Henneberg, September 10, 1975 *[Animal* **nutrition].** 034531
The effect of the vitamins A and E on the amino acids composition of proteins in different segments of the brain in **old** *animals* [Rats]. 032500
Distribution of gonadotropic hormones labelled with 125I [iodine isotope] in *animal* **organs** and tissues. 034182
Freeze-drying basic products of *animal* **origin** under atmospheric pressure. 033049
Food of *animal* **origin:** increasing the supply [Animal husbandry, research projects, Italy]. 033637
Possibilities of substituting feeds of *animal* **origin** by plant protein feeds in broiler production. 034395
The molecular relatedness of R factors in enterobacteria ofhuman and *animal* **origin.** 035107
Barn climate and *animal* **output.** 040315
Proposal for a new nomenclature of the Sarcosporidia *[Animal* **parasites].** 035287
Spread of *animals* on the **pasture** as a function of group behaviour [Grazing]. 034190
Dust control in industrialised swine units, its relevance to *animal* **performance** and health. 034914
Importance of zinc and its detection in biological material *[Animals,* **physiology].** 034231
Amnesty bins, a valuable adjunct to quarantine inspections *[Animal* and **plant** products]. 031946
Biological value and nutritional aspects of *animal* and **plant** proteins [Human nutrition]. 032172
Do *animal* and **plant** tools raise problems which are inherent? 033926
Air pollution [harmful to man, *animals,* **plants].** 033128
Genetic mechanisms and the evolution of heterosis *[Animals,* **plants,** insects]. 034818
Physicochemicl mechanisms of inbred depression and heterosis **[Plants,** *animals].* 034822
Viruses [pathogenic to *animals* and **plants;** research projects, Italy]. 035102
The inheritance of genes in mitchondria and chloroplasts **[Plants,** *animals].* 036398
Genetic resources of *animal* **populations** [Livestock breeding, research projects, Italy]. 034655
On the adjustment of the sex ratio and the gregarious behaviour of *animal* **populations.** 034704
Decline of *animal* **power** and rearing of solipeds, mechanization of agriculture: For large scale production of meat horses, creation of meat type breeds. 034610
Decline of *animal* **power** and rearing of solipeds, mechanization of agriculture: Study of the ass (and its hybrids) for slaughter. 034611
Processing *animal* feeds. 033565
Experiences of cooperative work in developing specialized plant and *animal* **production** farms in the German Democratic Republic. 031318
Further dynamic but effective development of *animal* **production** [Economic aspects]. 031925
Outlook for mechanization of *animal* **production** in the sixth Five-Year Plan. 031927
Some aspects of *animal* **production** in the Philippines. 033630
Statistical approach to evaluating and securing methods and results in the context of hygiene and microbiology *[Animal* **production].** 033649
Animal **production** and the world food situation. 033667
Animal **production** within the socialist sector of Algerian agriculture. 033677
Need for an effective aid in solving problems of *animal* **production.** 033689
Rational use of feeds in *animal* **production.** 034514
Optimun air conditioning in *animal* **production** plants. 040324
Introduction of a uniform system for controlling the microclimate in *animal* **production** units. 040371
Conclusions from and accident in the district of Rostock [Use of electric equipment, *animal* **production].** 040414
Effectiveness of complex mechanization of production processes in *animal* **production.** 040479
Factors limiting the production of *animal* **products** in the tropics, with particular reference to animal feeds. 033522
Let's feed people and animals [The place of *animal* **productsin** our diets]. 032168
Effect of feeding feed mixtures containing various amounts of *animal* **protein.** 034251
Some results and further tasks for cooperation on **raising** *animal* production in the Mongolian People's Republic through veterinary measures. 034900
Disturbances of the methionine metabolism in the presence of vitamin B12 deficiency in *animals* **[Rats].** 032178
Toward a comparative study of the hormonal regulation of transcription in the nuclei of *animal* **[rats]** and plant [pea leaves] tissues. 034195
Regulating *animal* waste feeds. 033541
Abstracts of papers to be presented at the annual meeting of the Southern Section, A.s.a.s. [American Society of *Animal* **Science],** February 1 to February 4, 1976, Mobile, Alabama. 033639
Animal **sciences** improve living [Washington State University]. 033592
Modeling air temperature for plant and *animal* **simulation.** 031116
Animal **skin** degreasing with surface active agents. 033105
Lead and mercury residues in kidney and liver of Canadian **slaughter** *animals.* 031977
A simple dichromatic densitometer for repeated measurements of cardiac output in **small** *animals.* 033846
The serology of Bordetella bronchiseptica isolated from pigs compared with strains from other *animal* **species.** 034955
Toxicity of antibiotics in *animals* under **suboptimal** conditions. III. Toxicity of animals affected by experimental thyrotoxicosis [Rats]. 035394
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope) administration and age of *animals* **[Swine,** dogs]. 034168
A **thousand** *animals* slaughtered daily at the Zurich slaughterhouse. 033081
Histology of *animal* **tissues** [in feeds]. 033563
Present state and prospects of the method of aerosol **vaccination** of *animals.* 035208
Molecular mechanisms of the thermoinactivation of [plant and *animal]* **viruses.** 038940
Wireless microphone for studies of *animal* **vocalizations.** 033897
Separating the liquid and solid excreta in *animal* **waste** disposal. 041483
A theory of *animal* **weight** response to controlled feeding. 034421
Landscape epidemiology (epizootiology) [Infectious diseasesof domestic and **wild** *animals].* 034964
World *animal* production and feed supplies. 031839

ANIONS

Absorption and metabolism of CrO4 **[chromate** *anion]* by isolated chloroplasts [of spinach]. 037801
The interaction of **2,6-disulphoanthrachinone** *radical-anions* with the ions of transitive valency metals [Phytopathology]. 039060
Availability of *anions* in the **growth** medium to roots of an actively growing plant. 037136
Induction of transport of **organic** *anions* in Malpighian tubules of Rhodnius. 039847
Cation and *anion* **permeability** of rabbit submaxillary main duct. 033932
Diversity in the *anionic* **peroxidase** spectra of linecross radish hybrids. 036669
Predicting *anion* movement in disturbed and undisturbed soils. 040769

ANISOPTERA

Wood of the 'Palosapis' **group** *[Anisoptera].* 035761

ANNONA

Effects of mechanical scarification, seed position and gibberellic acid on germination in **Cherimoya** *(Annona* cherimolia Mill). 037835
Improving the **fertility** of the *annona.* 036956
Viability and transplantability of developed tumour cell treated in vitro with antitumour agent C/M2 isolated from a herbal cancer **remedy-of** *Annona* senegalensis. 037199

ANNUALS

Field crops performance tests cotton-forage crops **summer** *annuals,* peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142

ANOBIIDAE

Dorcatoma serra Pz. (Coleoptera, *Anobiidae):* a **notable** addition to the Suffolk list. 040018

ANODE

Use of differential **pulse** *anodic* stripping for trace elements in sugar products. 033188
Anodic **stripping** voltammetry—a new, simple answer for lead residue analysis [in food]. 032016

ANOPHELES

Studies on malaria and responses of *Anopheles* **balabacensis** balabacensis and Anopheles minimus to DDT residual spraying in Thailand. II. Post-spraying observations. 039437
An eclosion timing mechanism in the mosquito, *Anopheles* **gambiae.** 039834
Pupal differences between species A and B of the *Anopheles* **gambiae** group from Kaduna, West Africa. 040124
Studies on malaria and responses of Anopheles balabacensis balabacensis and *Anopheles* **minimus** to DDT residual spraying in Thailand. II. Post-spraying observations. 039437
Studies on physicochemical and biological properties of two ungrouped arboviruses: Minnal and Arkonam [Isolated from Culex vishnui and *Anopheles* **subpictus].** 039464

ANOPLOCEPHALA

Critical test evaluation of micronized mebendazole against *Anoplocephala* **perfoliata** in the horse. 035159

ANOPLURA

Clover and lice *[Anoplura,* **Mallophaga]** in pasture cultivation. 039304
Lice *[Anoplura,* **Mallophaga].** Means of controlling lice [in fur animals]. 039512

ANOREXIA

A clinical study of promethazine hydrochloride as an orexigen in **bovines** *[Anorexia].* 035325

ANTENATAL *see* **BIRTH**

ANTHELMINTICS

A new diglucoside from the *anthelmintic* **berries** of Diospyros Mollis. 037288
The effect of fenbendazole (Panacur) in sheep naturally infected by gastrointestinal and lung **nematodes** *[Anthelmintics].* 035229
The use of *anthelmintics* in **rotational** grazing coastal Bermudagrass [Cynodon dactylon] for maximum gains [Beef cattle]. 035145

ANTHEMIS

Synthesis of compounds containing the isoprene unit. A stereospecific synthesis of dehydronerol isovalerate, a component of *Anthemis* **montana** L. 037287

ANTHERAEA
Contrbutions to the technology of obtaining reproduction material in *Antheraea* **pernyi** (oak silkworm). 040287

ANTHERS
Pollen dimorphism and *anther* **culture** in barley. 036613
Haploid tobacco plants produced in *anther* **culture.** 036677
The nucleolar morphology in *anther* **tissues** of the onion Allium fistulosum L. 036372
Role of the generative cell in androgenesis in henbane *[Anthers,* **uninucleate** pollen grains]. 036355

ANTHOCYANINS
Anthocyanin, **flavonol** copigments, and pH [hydrogen-ion concentration] responsible for larkspur flower color [Consolida ambigua; Delphinium ajacis]. 037802
Anthocyanin **synthesis** in a white flowering mutant of Petunia hybrida by a complementation technique. 037816

ANTHOMYIIDAE
Paregle danieli sp. N. (Diptera, *Anthomyiidae)* from the **Himalayas** [New taxa]. 039981

ANTHONOMUS
Curbing boll weevil *[Anthonomus* **grandis]** egg hatch [Cotton]. 039254

ANTHOPHILA
Observations on the condition of red clover seeds during storage **[Botrytis** *anthophila,* Alternaria tenuis]. 038793

ANTHOPHORIDAE
Observations on male territories in a carpenter bee, Xylocopa (Neoxylocopa) hirsutissima Maidl **(Hymenoptera,** *Anthophoridae).* 039956

ANTHRACENE
Studies in the field of drugs **containing** *anthracene* derivatives. XXVI. Method for the determination of anthrones in plant materials. 037198

ANTHRACNOSE
Anthracnose of **arhar** [pigeon peas] incited by Colletotrichum truncatum. 038673
Resistance to *anthracnose* **[Colletotrichum** lindemuthianum] of introduced and local specimens of garden bean varieties under the Sofia region conditions. 038633
Criteria for evaluation of resistance to **maize** *anthracnose* [Colletotrichum graminicola]. 038765
Anthracnose of **walnut** trees (Juglans regia L.) produced by Phyllosticta juglandis (D.c.) Sacc. 038785

ANTHRAQUINONES
Triterpenoids and *anthraquinone* **derivatives** obtained from Picramnia de Sellowii (Simaroubaceae). 036835

ANTHURIUM
Anthurium **andreanum** Lindl. In hydroponic culture: influenceof substrates and of nutrition on formation of calcium oxalate. 036767
Research concerning the production of cut anthuriums *[Anthurium* **andreanum]** in the South Holland glasshouse district, crop year 1974 [Yield]. 038426
Chromosome numbers in the **genus** *Anthurium.* 036264

ANTIBACTERIAL *see* BACTERICIDES

ANTIBIOTIC
Toxicity of *antibiotics* in **animals** under suboptimal conditions. III. Toxicity of animals affected by experimental thyrotoxicosis [Rats]. 035394
Some aspects of the pharmacology of *antibiotics* in the **cat** and dog. 035128
Substitution of cellular fatty acids in yeast [Saccharomyces cerevisiae] cells by the *antibiotic* **cerulenin** and exogenous fatty acids. 036822
Inhibition of 6-methylsalicylic acid synthesis by the *antibiotic* **cerulenin** [Penicillium urticae, fungi]. 037017
Verification of Tylan effectiveness in pigs under field **conditions** *[Antibiotics].* 035275
Chloretracycline in the organism of the honeybee [Honey **contamination** with *antibiotics].* 040269
Antibiotics **curb** [bacterial] diseases in livestock, boost growth. 035285
Influence of restrictive use of *antibiotics* on the **development** of drug resistance in intestinal Escherichia coli from pigs [Diarrhea]. 035171
Application of both paper disk assay method and TTC [triphenyltetrazolium chloride] test for the detection of *antibiotics* in **eggs.** 032065
Effectiveness of *antibiotics* for **experimental** septicemia of chicks caused by Escherichia coli. 035240
Effect of *antibiotics* & **fungicides** on endogenous mycelial respiration & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Mode of yeast [Saccharomyces cerevisiae] **inhibition** by A-435 *antibiotic.* 036317
Effect of *antibiotics* on some **metabolic** processes in Black Pied bulls. 035203
The effect of tylosin *[antibiotic]* in **pigs.** 035230
Is the early development of the chick embryo affected by the presence of various concentrations of *antibiotics* in the **substratum?** 034142
Production of a mitochondrial mutant of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this *antibiotic* **[Yeasts].** 036687

ANTIBODIES
Radioimmunoassay of arthropod moulting hormone: **beta-ecdysone** *antibodies* production and 1251 [iodine isotope]-iodinatedtracer preparation. 039743
The prevalence of *antibodies* to **bovine** virus diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163
The indirect hemagglutination test for the detection of *antibodies* in **cattle** naturally infected with mycoplasmas. 035037
Dynamics of **complement-linked** *antibodies* in Nuttalia [equi]infestation and the freeing of the horses from the pathogen. 035237
Study of persistance of foot-and-mouth **disease** *antibodies* in calves born from vaccinated cows. 035024
The development of antisera to prostaglandins B2 and F2alpha and their analysis using solid-phase and **double** *antibody* radioimmunoassay methods [Rabbits]. 035007
Detection of a specific antigen in white blood cells of cattle with leukemia by the direct **fluorescent** *antibody* procedure. 035280
Carrageenans in the cell walls of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with **fluorescent** *antibody* [Algae]. 037152
Dynamics of *antibody* **formation** in swine with leptospirosis. 035236
Origin of *antibody-dependent,* **lymphoid-cell-independent** hemolytic plaques in rabbit spleen cell cultures. 035190
Diagnostic effectiveness of passive hemagglutination reaction and *antibody* **neutralization** reaction in brucellosis. 035234
Neutralizing *antibodies* of colostral origin in calves born of mothers vaccinated against foot-and-mouth disease. 035021
Correction: mouse spleen cells cultured in homologous serum can indeed make **primary** *antibodies* to sheep erythrocytes. 034175
Correction: Mouse spleen cells cultured in homologous serumcan indeed make **primary** *antibodies* to sheep erythrocytes [Immunity]. 035199
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and *M]-antibodies* in **rabbits** inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
Demonstration of *antibodies* against **rabies** by the indirect immunofluorescence method. 035224
Antibody **response** in sows following intramammary on intramuscular immunization with a killed Escherichia coli vaccine. 034998
Adjuvant effect of lipid A obtained from Salmonella typhimurium on *antibody* **response** in mouse spleen: the role of carriers conjugated to lipid A. 035137
Antibody **synthesis** by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
The incidence of **toxoplasma** *antibodies* among sheep, cattle and pigs slaughtered in a Belgian slaughter-house. 034993
The plaque reduction test in the study of *antibodies* against the **viral** arthritis reovirus [Chicken sera]. 035048

ANTIDIURETIC *see* DIURETICS

ANTIFUNGAL *see* FUNGICIDES

ANTIGEN
Enhancement of the *antigenic* **activity** and virulence of the vaccine strain E of Rickettsia prowazeki by passages in cell culture [Chick embryos]. 034958
Effect of host's nutrition [Rabbits] on immune response to **amoebic** *antigen* & on susceptibility to infection with Entamoeba histolytica. 035075
The chromic chloride method of **coupling** *antigens* to erythrocytes: definition of some important parameters [Sheep]. 035119
Cross-reactive *antigens* and lectin as determinants of symbiotic specificity in the Rhizobium-clover association. 036175
Studies on biosynthesis of soluble lens **crystallin** *antigens* in the chick by isoelectric focusing in thin-layer polyacrylamide gel. 033888
Salmonella enteritidis infection in rats: *antigens* **involved** in cell-mediated immunity. 035000
Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, **macrophages** and *antigen.* 035057
Pregnancy-specific *antigens* in the sheep: application to the diagnosis of pregnancy. 034688
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of *antigenic* **proteins** in the course of seed ripening, germination and development of seedling. 037439
Study of the *antigenic* **relationship** between various strains of the rabies virus group. 035284
Lesions by hepatitis-B [virus] *antigen-containing* **sera** in tobacco plants (Nicotiana tabaccum variety Xanthi). 038906
Detection of a **specific** *antigen* in white blood cells of cattle with leukemia by the direct fluorescent antibody procedure. 035280
Immunodiffusion and electrophoretic analysis of *antigens* from **Strongyloides** papillosus [obtained from infected rabbits]. 035008
Blood groups of sheep. II. **Supplementary** *antigenic* factors in the systems A, B, C and M; estimation of the allelic frequencies in the systems A, B, C, D, M and R of the French breeds Berrichon, Ile-de-France and Texel. 034566
Uteroglobin-like *antigen* in the male genital tract secretions [Rabbits]. 033861
Babesia rodhaini: immuno-induction of *antigenic* **variation** [Mice]. 035089
Immunochemical analysid of **water-soluble** *antigens* of chick retina in the course of embryogenesis. 035106

ANTIOXIDANTS *see* OXIDANTS

ANTIPYRETIC *see* FEVER

ANTIRACHITIC *see* RICKETS

ANTIRRHINUM
Structure and function of the genetic information in plastids. XIV. The consequences of the plastom mutations en:alba1 of *Antirrhinum* **majus** and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in *Antirrhinum* **majus** tissue and cell cultures. 037775

ANTISERUM
Neutralization of pheromones by *antisera* in **pigs.** 033927
The development of *antisera* to **prostaglandins** B2 and F2alpha and their analysis using solid-phase and double antibody radioimmunoassay methods [Rabbits]. 035007

ANTITHYROID *see* THYROID

ANTIVIRAL *see* VIRUSES

ANTONINA
The rhodesgrass scale *[Antonina* **graminis]** in Israel. 1. Life history, distribution, host plants and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. 039281
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the Rhodesgrass scale, *Antonina* **graminis** (Maskell) (Homoptera: Pseudococcidae). 039292

ANTS
A model of digging behaviour and tunnel production in *ants* **[Formica** lemani, lasius niger]. 039812
Ants **[Formicidae]** in the home and garden; how to control them. 039218
Ants **[Formicidae]** in the home and garden: how to control them. 039219
A new observation on the association between *ants* **(Hymenoptera:** Formicidae) and armoured scale insects (Homoptera: Diaspididae). 039229
Short-term change in a population of the **meat** *ant* Iridomyrmex purpureus (Hymenoptera: Formicidae). 039633
Short-term change in a population of the **meat** *ant* Iridomyrmex purpureus (Hymenoptera: Formicidae). 039634
Dispersion and history of a population of the **meat** *ant* Iridomyrmex purpureus (Hymenoptera: Formicidae) [Geographical distributions]. 039988
Dispersion and history of a population of the **meat** *ant* Iridomyrmex purpureus (Hymenoptera: Formicidae). 039989
Mound-building *ants* of Washington [Formica]. 039809
A study of the photoperiodic reaction in the *ant* **Myrmica** rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. 039724
Stinging of man by the **pavement** *ant,* Tetramorium caespitum (L.) is painful and the reaction lasts for several days. 039466
Investigations on the social organization in the **Pharaoh's** *ant,* Monomorium pharaonis L. (Hymenoptera, Formicidae). I. The regulation of the broad cycle. 039814
On the regulation of the amount of prey in **wood** *ants* (Formica polyctena Foerster). 039892

ANURAPHIS
A study of similar species of aphids with different karyotypes by the method of DNA cytophotometry *[Anuraphis* **farfarae,** Anuraphis subterranea]. 039691

AORTA
Detection and partial characterization of lipoprotein lipase in **bovine** *aorta.* 033791
Aortic **regurgitation** in the dog. 035340

APANTELES
Chalcid wasps from [cabbage] butterfly [Pieris brassicae] pupae [Parasites, *Apanteles* **glomeratus,** Pteromalus puparum]. 039347

APEX
The *apical* **aparatus** of the suboperculate ascus [Cytochemical and ulrastructural studies, fungi, Sarcoscyphineae]. 036294
Effects of indol-3yl acetic acid on floral induction and *apical* **differentiation** in Chenopodium rubrum L. 036762
Differential responses of buds along the shoot to factors involved in *apical* **dominance** [in Hygrophila]. 037040
Morphological and physiological characteristics of the *apical* **meristem** of the shoot of Quercus robur at various stages of ontogeny. 036331
Effects of gibberellic acid on DNA synthesis and histology in the **shoot** *apex* of Helianthus annuus [sunflowers] during the transition to flowering. 037383
Development of the *apex* of **Taxus** baccata L. Under the influence of Taxomyia taxi Inch., and postmortem effects provoked by Cecidozoaire. 039399

APHELANDRA
The **genus** *Aphelandra* (Acanthaceae) [New taxa]. 036139

APHIDIDAE
Aphis etiolata Stroyan (Hemiptera, *Aphididae)* in **Berkshire.** 040013

APHIDIUS
Effect of light-dark cycles on adult emergence in the aphid **parasite** *Aphidius* smithi. 039660

APHIDS
Observations of the penetration of the phloem in leaves of Nerium oleander (Linn.) by stylets of the *aphid,* **Aphis** nerii (B. de F.). 036349
Nesting place of the **cabbage** *aphid* [Brevicoryne brassicae]. 039348
Some taxonomical and biological observations of the *aphids* **caught** on the vegetables in autumn season. 040000
Studies with **cowpea** *aphid-borne* mosaic virus and its effect on cowpea in Iran [Vectors]. 038932
Contribution to the control of spruce **gall** *aphids* of the genus Sacchiphantes on Norway spruce [Picea abies]. 039378
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of spruce [Picea] plants to the attack of the **gall** *aphid* Sacchiphantes abietis (L.). 039410
Natural control of **groundnut** *aphid,* Aphis craccivora Koch. in central Gujarat. 039275
On the life cycle of Pemphigus (Pemphiginus) populi Courchet with a key to British species of Pemphigus Hartig (**Homoptera:** *Aphidoidea).* 040092
Polyamino acid **induced** *aphid* [Myzus persicae] transmission of plant viruses [Tobacco]. 038921
A study of similar species of *aphids* with different **karyotypes** by the method of DNA cytophotometry [Anuraphis farfarae, Anuraphis subterranea]. 039691
Glandular hairs are a possible means of **limiting** *aphid* [Macrosiphum euphorbiae, Myzus persicae] damage to the potato crop. 039312
Effect of light-dark cycles on adult emergence in the *aphid* **parasite** Aphidius smithi. 039660
Breeding behavior of resistance to green **peach** *aphid* [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. 036387
Controlling green **peach** *aphids* [Myzus persicae] on potatoes. 039330
Potato *aphids* [Chemical control]. 039309
Arthropods in cereal crops: nocturnal activity, vertical distribution and *aphid* **predation.** 039290
A method for culturing **root** *aphids* [Eriosoma patchae, Eriosoma ulmi, Senecio, currants and gooseberries]. 039699
Laboratory and field trials with two synthetic juvenile hormone analogues on four *aphid* **species** [Pest control]. 039207
Resistance in Digitaria to the yellow **sugar-cane** *aphid,* Sipha flava (Forbes). 039306
A new species of Pemphigus [trehernei] Hartig (Homoptera: *Aphidoidea)* from **Western** Europe. 040089

APHIS
Studies on a virus causing mosaic disease of chilli [Aphis gossypii, *Aphis* **craccivora,** Myzus persicae vectors]. 038907
Natural control of groundnut aphid, *Aphis* **craccivora** Koch. in central Gujarat. 039275
Cuscuta reflexa—a new host for *Aphis* **craccivora** [Citrus]. 039327
Corpus allatum and ovarian growth in a polymorphic paedogenetic insect *[Aphis* **craccivora].** 039885
Aphis **etiolata** Stroyan (Hemiptera, Aphididae) in Berkshire. 040013
Pale coloration in *Aphis* **fabae** reared on beans treated withthe plant growth regulator, ethylene-bis-nitrourethane. 039837
Studies on a virus causing mosaic disease of chilli *[Aphis* **gossypii,** Aphis craccivora, Myzus persicae vectors]. 038907
Observations of the penetration of the phloem in leaves of Nerium oleander (Linn.) by stylets of the aphid, *Aphis* **nerii** (B. de F.). 036349

APHODIUS
New Scarabaeidae (Coleoptera) from Asia *[Aphodius,* **Onthophagus].** 039995

APHYLLOPHORALES
Studies in the *Aphyllophorales* of **Africa.** 2. Some new species from East Africa [Fungi]. 036092
Studies in the *Aphyllophorales* **[Fungi]** of Africa. IV. Antrodia juniperina, new for East Africa. 036161

APHYTIS
Natural enemies used to fight insect ravages [Biological control, *Aphytis* **maculicornis,** Bacillus thuringiensis]. 039246

APIARIES
Apiary **complexes** and interfarm relations. 040266

APICULTURE
Coordination of *apiculture* with **agriculture** in Baden-Wurttemberg [Legislation]. 040202
Importance of *apiculture* today. 040207
Reserves of the food **base** *[Apiculture].* 040276
Meaning of economic indices [Multiple-story **beehives** in *apiculture].* 040262
Comb **disinfection** *[Apiculture].* 040270
Frame cabinet with insertable frames *[Apicultural* **equipment].** 040211
Apiculture in the **Estonian** SSR. 040267
A simple solar **extractor** *[Apiculture].* 040209
Comprehensive report of observations in the summer and **fall** of 1975. II *[Apiculture].* 040231
The flowers honey comes from [Honey plants, varieties, nectar **flow,** *apiculture].* 038546
History of *apiculture* in **Georgia** [USSR]. 040271
Effects of industrial **growth** on *apiculture.* 040210
Use of scent **guidance** in *apiculture.* 040281
Working with **hives** *[Apiculture].* 040240
The beekeeper's part in producing **honey** *[Apiculture].* 040235
Results of research in **horticulture** and *apiculture.* 038372
Industrial growth and its harmful **influence** on *apiculture.* 040220
Dr. F. X. Zivansky, the founder of **organized** *apiculture* in Moravia. 040298
Forest and **out-yard** *apiculture.* I. 040203
History of honey *[Apiculture,* **production,** as a commodity]. 040233
The world's honey **production** *[Apiculture].* 040236
Problems of *apiculture* in the **steppes** of Altai Territory. 040274
Possibilities and prospects of *apiculture* in **Talysh.** 040273
Apiculture in **Ticino** during the past centuries. 040291
Accomplishments of *apiculture* in the **United** States of America. 040181
Rationalization for high honey **yields** *[Apiculture].* 040307

APICULTURISTS
We are because of them. IX. *[Apiculturists,* **beekeeping** history, Europe]. 040206
Ward Stanger, **extension** *apiculturist,* retires. 040190
The foraging distance covered by honeybees [Apis mellifera, *apiculturists,* **Francois** Huber]. 040224

APIDAE
Stingless bees (excl. Tetragonula) from the continental Southeast Asia in the collection of Berince P. Bishop Museum, Honolulu **(Hymenoptera,** *Apidae).* 040107
Sex determination in bees. IV. Genetic control of juvenile hormone production in Melipona **quadrifasciata** *(Apidae).* 040225

APIS *see* BEES

APOCYNACEAE
Steroidal alkaloids of the *Apocynaceae,* **Buxaceae,** Asclepiadaceae, and of the Salamandra-Phyllobates group. 036747

APOIDEA
The **bees** *(Apoidea,* Hymenoptera) on alfalfa (Medicago media Pers.) plantations. I. The species composition and variation of flights. 039697
The **bees** *(Apoidea,* Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. 039698
Two genera of nomadine bees [Ammobates and Morgania] new to India **(Hymenoptera,** *Apoidea).* 040033
Materials on the fauna and ecology of *Apoidea* **(Hymenoptera)** from the lower Don. VI. Review of tropic links. 040051

APOMIXIS *see* PARTHENOGENESIS

APPETITE
Entrees to captivate the *appetite*—**hook,** line , and sinker. 032699

APPLES
Apples **add** up on protected hillside [Culture]. 038482
A classification of hardy North **American** *apple* cultivars based on hardiness zones [Varieties]. 038299
Apples in **appealing** ways [Recipes]. 032251
Applying plant protection products in **bedded** *apple* plantations. 038978
Apple **black** rot [Sphaeropsis malorum] in orchards under intensive cultivation. 038786
Resource models for production of *apples,* **blackberries,** and table grapes in northwest Arkansas [Costs]. 031428
Nutrient status of *apple* **blossoms** and their susceptibility to fire blight [Erwinia amylovora]. 038850
Experimental mutagenesis in *apple.* II. **Characteristics** of development and cytogenetic modifications in Malus domestica L. induced by dimethyl sulfate. 036671
Results of cropping system trials with the *apple* **combination** 'Golden Delicious'/M9. 038319
Controlling *apple* diseases without damaging fruit set. 038994
Peroxidase activity in Golden **Delicious** *apples* as a possible parameter of ripening and senescence [in storage]. 033415
Changes in polyphenoloxidase activity and substrate levels in maturing 'Golden **Delicious'** *apple* and other cultivars. 037729
Gibberellin promotion of physiological leaf spot [non-pathogenic disorders] in detached 'Golden **Delicious'** *apple* leaves. 037793
Agrobiological features of Richared **Delicious** *apple* variety. 037840
Study of Andrena carantonica behavior during blooming of Golden **Delicious** *apple* trees [Insects as pollinators]. 039624
What is the nature and intent of the basic plan for Swiss **dessert** *apple* production? 038480
Studies on bitter pit of *apple.* III. **Effect** of leaf spraying with different products. 038957
The effect of light on the vegetative and generative development of further **five** *apple* varieties, grown on M4 rootstocks. 037644
The effect of *apple* **flesh** on dormancy release and germination of seeds. 037671
Frozen *apples.* 038974
Current state, trends and problems relating to **grading** *apples* [by various countries]. 032027
Identifying soil fatigue in **growing** *apple* plantations by means of the soil fatigue test. 041153
Development and properties of streptomycin resistant cultures of Erwinia amylovora derived from English isolates [from pear, *apple* and **hawthorn** trees]. 038864
A new canker and die-back disease of *apple* from **Himachal** Pradesh [Haplosporella malorum]. 038644
Super [phosphate] **improves** *apple* tree performance. 041119
Variations in the polyol content during fermentation of *apple* **juices** and wines. 033442
Venturia asperata sp. Nov. And its Fusicladium state on *apple* **leaves** [Fungi, new taxa]. 038752
Control of bitter pit in *apples* with **lecithin** and calcium [Physiological disease]. 039039
The increase of the yield of juice from *apples* is the **major** task of [processing] enterprises. 033480
Brief description of the **major** *apple* rootstocks. 038304
Is ethephon the answer for color and **maturity** in *apples?* 038520
Integrated control of phytophagous **mites** *[Apples].* 039325
Experimental mutagenesis in *apple.* III. **Morphological** and genetic effects in Malus domestica, induced by N-nitroso-N-methylurea. 036672
Field studies with *apple* **mosaic** virus. 038927
Prognosis concerning attack on *apples* by **moth** (Argyresthia conjugella Zell). 039334
Pourella and Priam, two **new** *apple* varieties recently inscribed in the [French] Official Catalog. 038263
The quiet revolution in the *apple* **orchard.** 038534
Influence of fertilization and soil management on the occurrence of diseases and pests in an *apple* **orchard.** i. Effect of green covered and clean cultivated soil. 039078
Insecticide treatment tests against the tarnished plant bug [Lygus lineolaris] of *apple* **orchards** in south-west Quebec. 039353
Knowledge of the tydeids (Acarina, Trombidiformes) from *apple* **orchards** [Lorryia palsetosa, new taxa]. 040167
Integrated control of the European red mite of *apples,* **Panonychus** ulmi (Koch). 039355
High density "tree walls" [in *apple* and **peach** orchards]. 038363
[Negative] changes in stored pomaceous fruit [Storage diseases, *apples,* **pears].** 033408
Change in activity of certain oxidative enzymes in *apples* and **pears** during growth and ripening. 037719
Studies on the microspore genesis date in some varieties of *apples* and **pears.** 037725
Extraction and purification of tRNA from fruit tissues [of tomatoes, **pears,** and *apples].* 037805
Use of Trichogramma and Entobakterin for [biological] control of the codling moth [Carpocapsa pomonella, **pest** of *apples].* 039368
Field tests using a granulosis virus to control the codling moth (Laspeyresia pomonella (L.) *[Apple* **pests,** biological cntrol]. 039370
Experimental mutagenesis in *apple.* IV. **Phenotypic** and genotypic changes in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. 036670
Determination of maturity in 'Le Conte', 'Shoubra' and **'Pine** *Apple'* pear varieties. 037642
Processing *apples* for wine material by means of extraction. 033460
The reaction of some *apple* **rootstocks** and variety + rootstock combinations to soil fatigue. 041142
Changes of enzymatic activity in *apple* **seeds** under the influence of stratification. 037859
Importance and fundamentals of forecasting the expected fruit **size** of *apples.* 038310
Determination of volatile aromatic compounds in **sparkling** *apple* wine. 033340

The application of wax emulsion to reduce losses on long-term **storage** of *apples.* 033379
Controlled-atmosphere **storage** of *apples.* 033436
Sesquiterpene hydrocarbon farnesene and its relation to the *apple* **surface** browning, scald [during storage]. 033440
The levels of nitrogenous fertilizers and the structure of the *apple* **tissues.** 037624
Relative fruit-bearing of *apple* **tree** varieties. 038475
Effect of doses of nitrogen fertilizers on yield and quality of *apple* **tree** seedlings. 041086
The effect of mineral fertilizers on *apple* **tree** yield. 041090
Specificity of the hybrid offspring of *apple* **trees** and quince. 036657
On the variability of the growth characters of woody plants in the nursery *[Apple* **trees].** 037643
Specificity of growth of mutant forms of *apple* **trees** in nurseries. 037853
Preliminary results of trials on regulation of yields in *apple* **trees** by 2-chloroethylphosphonic acid. 038265
Perfect stage of Cytospora ambiens causing canker of *apple* **trees** in India. 038660
Secondary effects of the herbicides W 6658, Wonuk and Azaplant Kombi on *apple* **trees.** 039099
Pulsed sprinkling of palmetto-type orchards *[Apple* **trees].** 041428
"Summerred" and "Aroma" pointed out as other fruit **varieties** *[Apples].* 038329
Apple **varieties** and culture in China. 038395
Toxicity threshold of soil salts for some **varieties** of *apples.* 038960
Short-term studies of the uptake of nitrogen by **young** *apple* trees after soil application of ammonium nitrate. 037632
Soil composition in **young** *apple* orchards of the spur type. 040791
Soil temperature, soil moisture and the productivity of **young** *apple* trees as influenced by bitumen mulch. 040940

APPLIANCE

Saving electricity with **household** *appliances* [Home economics]. 032521
Processing *appliances:* technology sweeps the kitchen. 032657

APPRAISAL

Appraisal of **credit** worthiness of emergent-commercial farmers in developing agriculture. 031413
Food and population—a **critical** *appraisal.* 031838
Appraisal of **economic** significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408
Appraisal of the **effectiveness** of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. 038814
An *appraisal* of the **fir** [Abies] regeneration problem. 035654
Appraisal of the **growth** and development of young plantations and thickets originating from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. 035619
Appraisal of **recent** results of the cultivation of Tsuga heterophylla Sarg. in Poland. 035686
Appraisal of the **soundness** of sorter estimates [Forest products, standards]. 035868
Vaccination as a method of foot-and-mouth disease control: An *appraisal* of the **success** achieved in Kenya, 1968-1973 [Cattle]. 035028
An *appraisal* of the **technique** of pitfall trapping for epigeic communities of carabids (Coleoptera, Carabidae) in several selected forest habitats. 039867
Tentative *appraisal* of losses caused by insect, technical pests of wood, in the Hajnowka woodworking installations. 035830
Molybdenum—a **toxicological** *appraisal* [Man and animals]. 031988
Appraisal of the **usefulness** of modified statistical methods of taxation for needs of forest survey using an example of a selected forest tract. 035592
Appraisal of the **utilization** of African wood resources. 035503
Appraisal of **yield** loss in wheat due to foliage diseases caused by Alternaria triticina and Helminthosporium sativum. 038674

APRICOTS

Polyploidy and mutations induced in *apricot* by **colchicine** treatment. 036412
Consumer evaluation of *apricots* and a **new** apricot product. 032234
Frost resistance of **new** *apricot* varieties. 037841
Ethylene and extraneous material formation in woody tissues [Eucalyptus, **Rhus,** *apricots].* 037162

APULIA

Bacchus in *Apulia* **[Grape** culture, wine, history]. 038233
Dangerous reappearing of Calocoris trivialis Costa on **olive-trees** in *Apulia.* 039338
Virus diseases of vegetable crops in *Apulia.* XVIII. **Shoe** stringing of broadbean (Faba vulgaris Moench. var. major). 038915

AQUATIC

Clear lakes and *aquatic* **bryophytes** in the mountains of Scotland [Musci, liverworst]. 036033
Dynamic behavior of vinyl chloride in *aquatic* **ecosystems** [Water pollution]. 041506
An experimental approach to the study of pollution effects in *aquatic* **ecosystems.** 041510
Problems in *aquatic* **ecosystems,** with special reference to heavy metal pollution of the marine environment. 041517
Organochlorines in the *aquatic* **environment.** 041515
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of marine algae and *aquatic* **flowering** plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Aquatic **fungi** of Scandinavia: some ornamented chytrids fromsouthern Norway. 036077
Conidia in the foam of two English streams *[Aquatic* **fungi].** 036153
Ecological consideration on some terrestrial and *aquatic* **fungi.** 036213
The possible significance of variations in the mitotic systems of the *aquatic* **fungi** (phycomycetes). 036277
Electromobility of *aquatic* **humus:** fractionation by the use of the isoelectric focusing technique. 040625
A preliminary study of *aquatic* **hyphomycetes** on leaves in forest and stream leaf litter. 036230
Statistical considerations in assessing biological effects of *aquatic* **industrial** effluents. 041584
Downstream drift of invertebrates in a river in southern Ghana *[Aquatic* **insects].** 039745
CLEAN [Comprehensive Lake Ecosystem Analyzer], the *aquatic* **model** of the eastern deciduous forest biome. 041539
Aquatic **[ornamental]** plants with floating leaves. 038485
Aquatic **plants** [Weeds, water pollution]. 039131
Humic substances and *aquatic* **productivity.** 040628
Plant management in *aquatic* **systems** [Herbicides, water pollution]. 039193
Evaluation and interpretation of diversity measures as biological indices of pollution and/or environmental change in *aquatic* **systems.** 041572

AQUEDUCT

Sediment transport studies in the Delta-Mendota Canal and the **California** *Aqueduct* [Water supply]. 041384

AQUEOUS

The thermomigration of *aqueous* **binder** dispersions during the manufacture of nonwovens [Latex, fabrics]. 032915
Gamma-irradiation of lima bean protease inhibitor in **dilute** *aqueous* solutions. 037826
Electron paramagnetic resonance studies of actin-lipid interaction in *aqueous* **media** [Fish processing]. 032850
Micellar solubilization of fatty acids in *aqueous* **media** containing bile salts and phospholipids [Sheep, feeding]. 034346
Quantitative analysis of coagulation process in *aqueous* **systems:** an application of the Coulter Counter technique [Water quality]. 041319
Nonbiological degradation and transformations of organic pesticides in *aqueous* **systems.** 041471

AQUIFERS

The numerical method "predictor-corrector" applied to the problem of **drained** *aquifer.* 041233

ARABIDOPSIS

Nature of chlorophyll chimeras in the M1 of *Arabidopsis* **[thaliana]** by means of tissue culture. I. Production of regenerants from chlorophyll-deficient tissues. 036547
Effectiveness of 0.2 MeV neutrons in the irradiation of seeds of *Arabidopsis* **thaliana** (L.) Heynh. 036629
Study of chimerism in the reproductive tissue of *Arabidopsis* **thaliana** plants following irradiation of seeds. 036690
Mutation variability of chloroplasts in *Arabidopsis* **thaliana(L.)Heynh.** 036546

ARABINOSIDE

Studies on the Chinese crude drug "shoma". III. Triterpene glycosides from Cimicifuga japonica and structure of **25-anhydrocimigenol** *arabinoside.* 037074

ARABLE

On the dynamics of the distribution of *arable* **land** in landscape districts of Estonia [Soils]. 041138

ARACEAE

Triglochinin in *Araceae.* 037181

ARACHIS

Studies on chemical weed control in **groundnut** *(Arachis* hypogaea L.). 039144
Protein and amino acid changes in **peanut** *(Arachis* hypogaea L.) seeds infected with Aspergillus oryzae. 032341
Effects of B-9 (N-dimethyl-aminosuccinamic acid) on growth and yield of **peanuts** *(Arachis* hypogaea L.). 037468
Changes in proteins and free and total amino acids of **peanuts** *(Arachis* hypogaea) infected with Aspergillus parasiticus. 038582

ARACHNIDA

The effect of Dendrobacillin on insect and *arachnid* **fauna** of oak forests of the trans-Carpathian region [Forest pests, biological control]. 039394
Arachnid **fauna** from Bohemia and their thermophile components. 040150
Studies on the embryology and morphology of the whip spider, Tarantula marginemaculata C. L. **Koch** *(Arachnida,* Amblypygi, Tarantulidae). 039951

ARADIDAE

Observations on **Scottish** *Aradidae* (Hemiptera). 040024

ARALIA

Taste substances in foods. V. Organic acids in vegetables [Asparagus, *Aralia* **elata,** Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409

ARANEAE

Predatory behavior of the zebra spider, Salticus **scinicus** *(Araneae:* Salticidae). 039665
A revision of the spider genus Loxosceles Heinecken & Lowe, 1835 *(Araneae:* **Scytodidae)** in southern Africa with notes on the natural history and morphology. 040096
Further notes on the spiders of New Guinea. II. *(Araneae,* **Tetragnathidae,** Theridiidae) [New taxa]. 040171

ARANEIDA

Population trend and time of activity of certain **spiders** *(Araneida),* collected from clover foliage in Egypt. 039262

ARAUCARIACEAE

Interstitial spaces a review and **observations** on some *Araucariaceae.* 036022

ARBORETUM

Arboreta: **communicate** or perish [Education]. 038391
Native azaleas at the **Morris** *Arboretum* [Varieties]. 035992
"Our prime obligation is to teach, to educate and to act asa living reference library" says John Bryan, **Strybing** *arboretum* director. 035920

ARBORICULTURE

Area as an information clearinghouse [for **research** in *arboriculture].* 038392

ARBOVIRUSES

Pig kidney epithelial (PS) cells: a perfect tool for the study of **Flaviviruses** and some other *arboviruses.* 034960
Studies on physicochemical and biological properties of two **ungrouped** *arboviruses:* Minnal and Arkonam [Isolated from Culex vishnui and Anopheles subpictus]. 039464
Mosquitoes, *arboviruses* and **vertebrates** [Infections of man]. 039459

ARCEUTHOBIUM

Dwarf mistletoe *[Arceuthobium* **pusillum]-infected** [Pinus] ponderosa pines survive top-pruning. 039141

ARCHEOLOGY

Quantitative diatom [Algae] analysis as an *archaeological* **aid** [Soil samples]. 036964
A burned wood specimen from an *archaeological* **excavation** in Jerusalem. 035774
Plant opal phytolith analysis in **midwestern** *archaeology* [Paleobotany]. 036061

ARCHITECTURE

The time-course of changes in **mucosal** *architecture* and epithelial cell production and cell shedding in the small intestine of the rat fed after fasting. 032364

ARCTIC

Growth of some caribou lichens of the genus Cladonia (subgenus Cladina) in a *subarctic* **environment** in New Quebec. 037130
Feeding *Arctic* foxes. 034503
Skinning the *Arctic* **fox.** 033112
Arctic **fox** during the breeding period [Feeding]. 034356
Presence and distribution of polychlorinated biphenyls (PCB) in arctic and *subarctic* **marine** food chains. 039576
Signy island, **Maritime** *Antarctic* [Vegetation, soils]. 036199
A **new** *Palaearctic* species of Syndyas [subsabinios] Loew from Spain, with synonymic notes on the genus Sabinios Jones (Diptera, Empididae). 039977
Review of the cottony grass scales of the genus eriopeltis sign. (Homoptera, Coccoidea, Coccidae) of the *Palaearctic* **[New** taxa]. 040057
Comparative biochemistry of *Antarctic* **proteins** [Penguins and fish, potential utilization]. 032195
Presence and distribution of polychlorinated biphenyls (PCB) in *arctic* and **subarctic** marine food chains. 039576
North Atlantic facies of the **turf** *subarctic* and illuvial-humus-Podzol soils. 040603
Macquarie Island, *Subantarctic* **[Vegetation,** soils]. 036195
South Georgia, *Subantarctic* **[Vegetation** community]. 036200

ARCTOCORISA

Arctocorisa **(Monticorixa** subgen. N.) armeniaca sp. N. From Transcaucasia (Heteroptera, Corixidae) [New taxa]. 039978

ARENARIA
Isolation of Gonyaulax tamarensis toxins from soft shell clams (**Mya** *arenaria)* and a thin-layer chromatographic-fluorometric method for their detection. 032068

ARGAS
Lack of specificity in assembly pheromones of soft ticks (Acari: Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, *Argas* **brumpti**]. 039479
Studies on the feeding of **larval** *Argas* persicus Oken [Chickens, pests]. 039518

ARGASIDAE
Lack of specificity in assembly pheromones of soft ticks (Acari: *Argasidae)* [**Ornithodoros** tholozani, Ornithodoros savignyi, Argas brumpti]. 039479

ARGININE
Changes in **blood** *arginine* vasotocin level after osmotic stimuli in domestic fowl. 033713
Metabolism of 14C [carbon isotope]-glutamic acid and *14C-DL-arginine* in **chickens** with different genotypes of the blood catalase. 033883
Determination of the relative rates of incorporation of *arginine* and **ornithine** into retronecine during pyrrolizidine alkaloid biosynthesis [in Senecio by double-isotope technique]. 037161
Changes in urinary water and electrolyte excretion in sodium-loaded sheep in response to intravenous infussion of *arginine* **vasopressin.** 034159
Simple, rapid quantitative determination of lysine and *arginine* [in **wheat** flour and rat tissues] by thin-layer chromatography. 032343

ARGYRESTHIA
Prognosis concerning attack on apples by **moth** *(Argyresthia* conjugella Zell). 039334

ARID
"A comparative study of the correlation between differing techniques for obtaining evaporation data derived for severalareas of the world when applied to *arid* **climates."** [Water supply]. 041290
The interdependent effects of soil temperature and water content on soil respiration rate and plant root decomposition in *arid* **grassland** soils. 040804
On the soils of *arid* and **humid** zones of the tropical island of Sri Lanka. 040613
Potassium in an *arid* **loessial** soil: characterization by equilibrium release-absorption to strong salt solutions. 040767
Potassium in an *arid* **loessial** soil: changes in availability as related to cropping [sequences] and fertilization. 041044
The change of humid tropical crusts of weathering in the process of soil formation under conditions of **moderate** *arid* climate. 040575
Effects of moisture stress on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an *arid* **region** of Western Australia. 037036
Clay mineralogy, physical, and chemical properties of some soils in *arid* **regions** of Iran. 040759
Thermal hardening of the cells of higher plants in the *semiarid* **subtropics.** 037272
Connection of the adaptive reaction to the conditions of the *arid* **zone** with the type of the concentration of potassium in sheep blood. 034181
Ancient technics for modern agriculture in *arid* **zones.** 031382
The place of pulses in India with particular reference to the *arid* **zones.** 037970

ARIETINUM
Cyclic nucleotide phosphodiesterase activity in **Cicer** *arietinum.* 036905
Detection and location of seed-borne inoculum of Ascochyta rabiei and its transmission in chickpea **(Cicer** *arietinum).* 038788

ARISTIDA
Effects of moisture stress on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, *Aristida* **contorta**] from an arid region of Western Australia. 037036

ARISTOLOCHIA
On *Aristolochia* **kakaoensis** Sasaki. 036038

ARMERIA
Germination studies of **Dianthus** *armeria* and Dianthus deltoides. 037794

ARMILLARIA
Chemical treatment and inoculation of hardwood stumps for control of *Armillaria* **mellea.** 038565

ARMYWORMS
Field development and quality changes in successive generations of Spodoptera exempta Wlk., the **African** *armyworm.* 039821

AROMATIC
Effect of some *aromatic* **amines** of mitotic activity of meristematic cells of maize and bean roots. 037373
Problems of extracting and analyzing **certain** *aromatic* compounds of dairy products. II. Methods of measurement. 032987
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an *aromatic-amino-acid-synthesizing* **complex** of Neurospora crassa [Fungi]. 037241
Study of *aroma* **forming** substances in wine yeast. 033441
Compounds responsible for the *aroma* of **grapes** and their role in formation of the bouquet of wine. 033339
Some 4,5-dialkylthiazoles with potent bell pepper **like** *aromas* [Possible use as food flavorings]. 032854
"Summerred" and *"Aroma"* **pointed** out as other fruit varieties [Apples]. 038329
Contribution of lipid to *aroma* of **ripening** mango (Mangiferaindica L.). 033421
Determination of **volatile** *aromatic* compounds in sparkling apple wine. 033340
Application of luminescence methods for determination of *aromatics* in **water** [Algae, oil, pesticides, pollution]. 041564

ARRAY
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional **crystalline** *arrays* of cowpea chlorotic mottle virus. 038922

ARSENIC
National marine fisheries service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and *arsenic* **content** [Contamination]. 032070
Arsenic—**contents** and effects in soils and plants. 039077
Growth of turfgrasses as affected by soil phosphorus and *arsenic* [**Herbicide** residues]. 037822
Examination of slaughter swine for pesticide and *arsenic* **residues.** 032000
Influence of **sodium** *arsenate* on the polytene chromosomes of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. 039918

ARTEMISIA
Sesquiterpene lactones of sagebrush *[Artemisia* **cana]:** The structure of artecanin. 037175
Introduction to the study of horizontal patterns in steppes. II. Statistical treatment of transcets of contiguous quadrats *[Artemisia* **herba-alba].** 036239
Seed yield and reproduction of perennials in *Artemisia* **phytocoenoses** in the Pamir. 036843
Sediment sources and yields from sagebrush *[Artemisia]* **rangeland** watersheds. 041383
Gas exchange of three cool semi-desert species *[Artemisia* **tridentata,** Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. 037037
Economic and environmental impacts of sagebrush *[Artemisia]control* on **Utah's** rangelands —a review and analysis [Costs]. 039178

ARTERIOVENOUS
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of cutaneous blood flow between capillaries and *arteriovenous* **anastomoses** (AVA's) [Sheep]. 034125

ARTERY
Gamma-aminobutyric acid receptor on vascular smooth muscle of dog **cerebral** *arteries.* 033835
Dietary counseling for patients admitted for **coronary** *artery* bypass graft. 032348
Coronary *arteries* of pigs. 033746
Phosphodiesterases from porcine **coronary** *arteries:* inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. 034106
Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by **coronary** *artery* occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Outflow from the left and the right **coronary** *artery* into the coronary sinus in the dog heart in situ. 034135
The vital capacity of the kidney after autovenoplastics of its *artery* **[Dogs].** 033775
Arteries of the **heart** of the horse and dog. 033745
Arterial-venous **magnesium** gradients in hypovolemic shock: an indicaton of the irreversible state [Dogs]. 034149
Influence of altitude and age on **pulmonary** *arterial* pressure in cattle. 034152
The *arterial* **supply** to the salivary gland of Black Bengal goat. 033983

ARTHRITIS
A **rheumatoid-like** *arthritis* in calves. 035310
Occurrence of *arthritis* in **sucking** piglets in an industrialised pig breeding unit. 035363
An outbreak of **viral** *arthritis* in broiler breeders [Chickens]. 035041
The plaque reduction test in the study of antibodies against the **viral** *arthritis* reovirus [Chicken sera]. 035048

ARTHROBACTER
Reaction of soil microflora [Fusarium solani, *Arthrobacter,* **Nocardia,** Geotrichium candidum] to treatment with propanide [Herbicides]. 040687
Bitterness prevention in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and *Arthrobacter* [in **orange** juices]. 033411

ARTHROGRYPOSIS
Outbreaks of *abortion-arthrogryposis-hydranencephaly* **syndrome** in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering defective calves. 035305
Outbreaks of *abortion-arthrogryposis-hydranencephaly* **syndrome** in cattle in Japan, 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. 035306

ARTHROPODA
Arthropods in **cereal** crops: nocturnal activity, vertical distribution and aphid predation. 039290
Dynamics of a cotton **field** *arthropod* association in northern Afghanistan (the case for an integrated cotton pest control system). II. 039278
Foliage *arthropod* communities of crop and fallow fields. 036240
Collembola and other *microarthropods* of **forest** and meadow regions of the Terskei Ala-Too at the lower limit of the spruce ocurrence. 039966
A survey of **haematophagous** *arthropods* in western Himalayas, Sikkim and hill districts of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. 039462
Chemical control and the overcoming of resistance to pesticides in **harmful** *arthropods.* 039244
Effects of external and **internal** *arthropod* parasites on domestic livestock production. 039445
Insect growth regulating agents for control of *arthropods* of **medical** and veterinary importance. 039478
Radioimmunoassay of *arthropod* **moulting** hormone: beta-ecdysone antibodies production and 125I [iodine isotope]-iodinatedtracer preparation. 039743
Arthropod **parasites** of passerine birds from South Bass Island, Ohio. 039474
The polarization sensitivity-dichroic absorption paradox in *arthropod* **photoreceptors.** 039796
Arthropod **receptor** optics. 039788
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of *arthropods* **[Tetranychus** urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Structural polarities in mechanosensitive sensilla and their influence on stimulus **transmission** *(Arthropoda).* 039950
Problems associated with the use of *arthropod* **viruses** in [insect] pest control. 039205

ARTICHOKES
Effect of *artichoke* **(Cynara** scolymus L.) extracts on urination and salt voidance of rats. 034886
Auxin-like activity of 1,2-benzisothiazole derivatives [in pea and **Jerusalem** *artichoke* tissues]. 037803

ARTICULATION
The comparative effects of vitamin D deficiency and ethane1-hydroxy-1,1-diphosphonate administration on the histology and glycolysis of chick **epipiphyseal** and *articular.* 033844

ARTIFACT
Methods for avoiding **proteolytic** *artefacts* in studies of enzymes and other proteins from yeasts [Saccharomyces cerevisiae]. 037107

ARUM
Lords-and-ladies *[Arum* **maculatum,** drug plants]. 038550

ASCALAPHUS
Electron microscopic investigations on the structure of the photoreceptor cells in the compound eye of *Ascalaphus* **macaronius** (Insecta: Neuroptera). (Preliminary note). 039790

ASCITES
Cellular energy dependent agglutination of **rat** *ascites* tumor cells mediated by concanavalin A and Ricinus communis agglutinin. 036809

ASCLEPIADACEAE
Steroidal alkaloids of the Apocynaceae, Buxaceae, *Asclepiadaceae,* and of the **Salamandra-Phyllobates** group. 036747

ASCLEPIAS
Transport and conversion of sugars in nectaries in connection with the secretory function *[Asclepias,* **pumpkins].** 037283

ASCOCHYTA
Ascochyta leaf spot of papaya and its perfect state *[Ascochyta* **caricae** papayae, Mycosphaerella]. 038647
Disease transmission by seeds *[Ascochyta,* **Phoma** betae]. 038790
Changes in phenolic content of gram [pea] plant induced by *Ascochyta* **rabiei** infection. 038677
Evaluation of fungicides for the control of gram [peas] blight *[Ascochyta* **rabiei].** 038687
Varietal resistance of gram [peas] to *Ascochyta* **[rabiei]** blight. 038720
Detection and location of seed-borne inoculum of *Ascochyta* **rabiei** and its transmission in chickpea (Cicer arietinum). 038788

ASCOMYCETES
Some **noteworthy** *ascomycetes* from India [Fungi]. 036024

ASCORBATE
Ascorbate **increases** the synthesis of procollagen hydroxyproline by cultured fibroblasts from chick embryo tendons without activation of prolyl hydroxylase. 033786

ASCORBIC
Activity of phosphofructokinase in some organs of guinea pigs with different *ascorbic* **acid** allowances of their organism. 032479

ASCOSPORES
Biology of conidia, *ascospores,* and **microsclerotia** of Calonectria crotalariae in soil [Black rot, papayas, Metrosideros collina, Acacia koa]. 038763

ASCOTIS
Laboratory studies with antifeeding compounds against larvae of *Ascotis* **selenaria** reciprocaria on coffee. 039240

ASCUS
The apical aparatus of the **suboperculate** *ascus* [Cytochemical and ulrastructural studies, fungi, Sarcoscyphineae]. 036294

ASELLUS
The water content of muscle and cuticle of the woodlouse **Oniscus** *asellus* in conditions of hydration and desiccation. 039682

ASEPSIS
Aseptic **culture** of soybean and peanut embryonic axes to improve phytosanitation of plant introductions [to control virus diseases]. 038939
Nutrient requirements for germination of seeds & development of protocorms & seedlings of Cymbidium in *aseptic* **cultures.** 036994
Aseptic **milking** by implanted cannulae as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
A fresh look at *aseptic* **processing** [of foods]. 032802
Developing the technology for obtaining boar **sperm** *aseptically.* 034866

ASEXUAL
Asexual **propagation** of hybrid [ornamental] elms [Ulmus pumila, Ulmus japonica]. 037831
The effect of salinity on sexual and *asexual* **sporulation** of members of the Saprolegniaceae [Fungi]. 037320

ASHES
Sugar laboratory problems. V. New table for corrections of readings of **conductometric** *ashes* obtained on the Buse-Todt-Gollnow universal rafinometer [Sugar analysis]. 033193
Influence of the chemical fertility of the soil and the *ash* **content** of durum wheat grown in northern Italy. 037351
Gradient system of chlorine and *ash* **distribution** in plants and its ecological-physiological significance. 037276
Comparative wet-digestion and *dry-ashing* of **orange** and Schefflera [actinophylla] leaves for nutrient determinations. 037730
Rapid *wet-ashing* of biogenous fats, oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under high temperature and pressure. 032820
Potassium-calcium exchange equilibria in *volcanic-ash* **soils.** 040768
A simple method for the estimation of the *ash* of **vegetable** matter during raw-wool testing. 033091
Pollen analysis of the buried **volcanic** *ash* soil at the foot of the volcano, Iwate. 036106

ASILIDAE
Key to subfamilies of robber flies based on pupal cases, with a description of the pupal case of Doryclus **distendens** *(Asilidae:* Megapodinae). 040140

ASPARAGINE
The purification and properties of **glutamine-dependent** *asparagine* synthetase isolated from Lupinus albus [Lupine]. 037548

ASPARAGUS
Taste substances in foods. V. Organic acids in vegetables *[Asparagus,* **Aralia** elata, Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409
Practical hints for the **cultivation** of *asparagus.* 038514
Anatomical study of the cladodes of some species of the **genus** *Asparagus* L. 036279
Effects of asparagusate and lipoate on enzymes of the tricarboxylic acid cycle and related metabolic **pathways** *[Asparagus].* 037764

ASPARTATE
Participation of *aspartic* **acid** and glycine in biosynthesis of threonine in isolated roots of Vicia sativa L. [Vetch]. 037707
Mechanism of unbalanced growth and death of biotin-deficient yeast [Saccharomyces cerevisiae] cells in the presence of *aspartic* **acid.** 039021
The activity and localization of alanine- and *aspartate* **amino-transferases** in plants with C4[carbon]-photosynthesis [Maize, proso, rye]. 037395
Primary structure of **cytoplasmic** *aspartate* aminotransferase from porcine myocardium. Amino acid sequence of peptides from cyanogen bromide hydrolysate. 033783

ASPENS
Estimating *aspen* [Populus tremuloides] volume and weight for individual trees, diameter classes, or entire stands. 035627
Fungal [Phellinus tremulae] decomposition of sapwood and hearthwood of **European** *aspen,* Populus tremula L. 038610
Sexing **large** *aspen* tortrix pupae [Choristoneura conflictana, Populus tremuloides]. 039409
Variability of host and pathogen in hypoxylon [mammatum] canker of *aspen* **[Populus** tremuloides]. 038591
Two infection sites of Hypoxylon mammatum in **trembling** *aspen* (Populus tremuloides) [Saperda concolor]. 038589

ASPERGILLUS
Isolation of the acid-fast alpha-amylase of *Aspergillus* **awamori** [Fungi] and study of its properties. 036773
Systems of disc electrophoresis for studying acid proteinases *[Aspergillus* **awamori,** fungi]. 036902
Nutrient media for the lipase synthesis by *Aspergillus* **awamori** [Fungi]. 037226
Thermal and hydrogen-ion concentration stability of the enzymic preparation of hemicellulase from *Aspergillus* **awamori** 16-4E [Fungi]. 037232
Characteristics of transglucosilase from *Aspergillus* **batatae** [Fungi]. 036826
The effect of polyethylenimine on some fungi *[Aspergillus,* **Chaetomium,** Paecilomyces, Penicillium]. 037328
Isolation and properties of nonspecific intracellular ribonuclease of *Aspergillus* **clavatus** [Fungi]. 037221
Separation and characterization of acid proteinases from the surface **culture** *Aspergillus* terricola [Fungi]. 037229
Studies on soil fungi. VII. Notes on some fungi from Hyderabad *[Aspergillus* **deflectus,** Aspergillus restrictus, Byssochlamys nivea, Penicillium commune]. 036031
Toxigenic power of *Aspergillus* **flavus** producing aflatoxin [Food contamination]. 031941
Thermal inactivation of conidia from *Aspergillus* **flavus** andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
A study of toxic effect of the strains of *Aspergillus* **flavus** fungi metabolites, isolted from Soviet-grown cereals. 032146
Effect of *Aspergillus* **flavus** on the germinating seeds of some tropical crop plants. 038681
Aflatoxins *[Aspergillus* **flavus]** in cottonseed as affected by the pink bollworm [Pectinophora gossypiella]. 039272
Detection of aflatoxin B1 in silkworm [Bombyx mori] larvae attacked by an *Aspergillus* **flavus** [Fungi] isolate from a sericultural farm. 040201
Skin reaction and macrophage migration inhibition tests for polysaccharides from *Aspergillus* **Fumigatus** and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
A contribution to the occurrence of fetal hepatopathies in cattle [Infectious diseases, *Aspergillus* **fumigatus].** 035257
Effect of tweens on the production of ergot alkaloids by *Aspergillus* **fumigatus** [Fungi]. 036946
Mycotoxin synergism [Fusarium, Penicillium, *Aspergillus,* **fungal** flora on agricultural commodities, feedstuffs]. 032114
Rapid selection of microorganisms forming extracellular lipases *[Aspergillus,* **fungi].** 037122
Effect of some substances on the cellulase synthesis of the thermotolerant **fungus** *Aspergillus* terreus 17P. 037215
Mutants of *Aspergillus* **nidulans** lacking nicotinamide adenine dinucleotide-specific glutamate dehydrogenase [Fungi]. 036561
Hybridization and selection for increased penicillin titre in wild-type isolates of *Aspergillus* **nidulans.** 036566
The inheritance of penicillin titre in crosses between lines of *Aspergillus* **nidulans** selected for increased productivity. 036567
Transmission and recombination of extranuclear genes during sexual crosses in *Aspergillus* **nidulans.** 036594
Correlatin between activity of nitrogen mustards in alkylation reactions and their mutagenic activity on fungi *[Aspergillus* **nidulans].** 036666
Genetic control of sensitivity to mutagenic factors in *Aspergillus* **nidulans** [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
Cysteine biosynthesis in *Aspergillus* **nidulans.** 036726
A modified minimal medium for *Aspergillus* **nidulans** [Fungi]. 036991
Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of salicylic acid by *Aspergillus* **nidulans** [Fungi]. 036992
On the modes of action of three xylanases produced by a strain of *Aspergillus* **niger** van Tieghem [Fungi]. 036730
Studies on the biosynthesis of aspergillin by *Aspergillus* **niger** [Fungi]. 036778
Conditions for splitting protodioscine, the main glycoside from Tribulus terrestris L. by the enzymic preparation of *Aspergillus* **niger** BKMt-33 [Fungi]. 037210
Enzymic disintegration of pectines in the presence of amino acids and proteins *[Aspergillus* **niger,** Fungi]. 037218
Zinc consumption from the nutrient medium by the cultures of Trichosporon capitatum and *Aspergillus* **niger** [Fungi]. 037237
A circular paper technique for study of microbial growth *[Aspergillus* **niger,** Penicillium digitatum, citrus fruits]. 038735
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds *[Aspergillus* **niger,** Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529
Fermentative production of citric acid by *Aspergillus* **niger[yeast]:** strain selection and optimum cltural conditions for improved citric acid production. 032867
Protein and amino acid changes in peanut (Arachis hypogaea L.) seeds infected with *Aspergillus* **oryzae.** 032341
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, *Aspergillus* **oryzae).** 033148
Free intracellular amino acids of the mycelium of *Aspergillus* **oryzae** [Fungi] and acid proteinase synthesis. 036771
Establishing optimum conditions for deep cultivation of some *Aspergillus* **oryzae** [Fungi] mutants producers of amylase. 036919
Further evidence on differentiation of Aspergillus sojae from *Aspergillus* **oryzae** by electrophoretic patterns of cellulase, pectin-lyase, and acid proteinase [Fungi]. 037253
Effect of initial pH [hydrogen-ion concentration] on aflatoxin production *[Aspergillus* **parasiticus,** Fungi]. 036776
Synthesis of aflatoxins by the non-growing mycelia of *Aspergillus* **parasiticus** and the effect of inhibitors. 037053
Changes in proteins and free and total amino acids of peanuts (Arachis hypogaea) infected with *Aspergillus* **parasiticus.** 038582
Studies on soil fungi. VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, *Aspergillus* **restrictus,** Byssochlamys nivea, Penicillium commune]. 036031
Further evidence on differentiation of *Aspergillus* **sojae** from Aspergillus oryzae by electrophoretic patterns of cellulase, pectin-lyase, and acid proteinase [Fungi]. 037253
Purfication and specificity of *Aspergillus* **sojae** DNase [Deoxyribonuclease, fungi]. 037254
Isolation of new metabolites from *Aspergillus* **sydowi** [fungi] and structure of sydowic acid. 036729
Structure of sydowinin A, sydowinin B, and sydowinol, metabolites from *Aspergillus* **sydowi** [fungi]. 036732
Structural revision for prenylated pulvinone metabolites from *Aspergillus* **terreus** [Fungi]. 037298
Study of acid proteinases from *Aspergillus* **terricola** [Fungi]. 037230
Structure of versiol, a new metabolite from *Aspergillus* **versicolor** [Fungi]. 037299

ASPERMY
Studies on **tomato** *aspermy* virus from Chrysanthemum indicum L. in New Zealand. 038928

ASPHALT
Fungi isolated from **discolored** *asphalt* roofing shingles. 035699

ASPIDIOTUS
San Jose scale *[Aspidiotus* **perniciosus,** fruit pest control, Uruguay]. 039319

ASPIRATION
Prediction of protein conformation: **consequences** and *aspirations.* 032834

ASSESSMENT
The timing of pre-meiotic chromosome pairing and duplication in Glossina morsitans **morsitans** *assessed* by radiation induced mutations. 039688
Changes in the composition of an agrocenose as *assessed* **twenty-two** years after treatment with excessive amounts of Verindal F (Streumittel) [Benzene hexachloride]. 039535

ASSETS
The national forests: a great **national** *asset* is poorly managed and unproductive. 035615

ASTERACEAE
The giant species of **Cirsium** *(Asteraceae)* in southern Ethiopia. 036094
Formation and development of spermia in some angiosperms. I. Poaceae **(Gramineae).** II. *Asteraceae* **(Compositae).** 036285

ASTEROIDS
Successful management of nocardial empyema in a dog and cat **[Nocardia** *asteroides].* 035103

ASTERS
The effect of macronutrients and their dates of application on the cut flower and seed yield with **summer** *asters* [Callistephus chinensis]. 040941

ASTRAGALUS
Aglycone composition of the flavonoid glycosides of *Astragalus* **mongolicus.** 036869

ATHEROSCLEROSIS
Influence of an **anti** *atherosclerotic* diet containing a protein enrichment agent on the clinico-biochemical indices in patients with Ischemic heart disease. 032488
Experimental *atherosclerosis* in rabbits fed cholesterol-free diets. 6. Skim milk powder. 035368
The role of **nutrition** in *atherosclerosis.* 032255
Atherosclerosis - **part** 5: diet trials. 032226

ATMOSPHERE
A water quality monitoring system for NOAA [National Oceanic and *Atmospheric* **Administration**] data buoys. 041295
A plant for a **contained** *atmosphere* [Begonia prismatocarpa, culture]. 038404
Application of **controlled** *atmospheres* containing 20 percent CO2 [carbon dioxide] to the storage of beef. 033055
Assimilation of benzene from the *atmosphere* by **fruits.** 037635
A note on the protection of wooden beams exposed to an acidic, **humid** *atmosphere* [Pseudotsuga menziesii, wood]. 035895
Green Revolution and vital factors in steady increase in crop production and *atmospheric* **nitrogen** fixation in the slow oxidaton of organic matter by air and the protein problem. 031849
Some physical properties of birch carbonized in a **nitrogen** *atmosphere* [Betula, wood]. 035899
Invert sugar degradation during juice purification in the presence of *atmospheric* **oxygen.** Results obtained from industrial experiments. 033311
Chlorofluoromethanes in the stratosphere and some possible consequences for ozone *[Atmospheric* **pollution].** 041489
Freeze-drying basic products of animal origin under *atmospheric* **pressure.** 033049
Atmospheric and **pressurized** refining of wood chips—laboratory scale studies. 035851
Influence of *controlled-atmospheres* on the **quality** and condition of stored nectarines. 033387
Forest production in correlation to *atmospheric* **site** factors. 036173
Controlled-atmosphere **storage** of apples. 033436
Long range transport of toxaphene insecticide in the *atmosphere* of the **western** North Atlantic [Pollution]. 041617

ATOLLS
The natural history of **Namoluk** *Atoll,* eastern Caroline Islands, with identifications of vascular flora. 035963

ATOMS
A new hydrolysis procedure for preparation of orange juice for trace element analysis by *atomic* **absorption** spectrometry. 033410
Re-incorporation of **carbon** *atoms* into plasma glucose in newborn dogs. 033848
Atoms **contributing** to bigger harvest [Radioactive radiationof seeds]. 037993
Comparison of mineral acids in wet digestion of plant materials for flame and **flameless** *atomic* absorption measuremnt of metals. 037284
The determination of copper in milk and butter with the graphite **furnace** *atomic* absorption apparatus. 033031

ATPASES
The invivo effects of phytohemagglutinins on *ATPase* **[adenosine** triphosphatase] and fumarase enzymes in the rat. 034197
Relations between divalent cation binding and *ATPase* **[adenosintriphosphatase]** activity in coupling factor from chloroplast [Lettuce]. 037698
Observations on the Ca2+ +Mg2+) [calcium and **magnesium** *ions]-ATPase* activator found in various mammalian [Calf, cow, pig] erythrocytes. 033806
Pig heart **mitochondrial** *ATPase* [adenosine triphosphate]: properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Evidence for electrogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and **potassium** *ions]-ATPase.* 033796
Induction of the catalytic protein of (Na+ +K+) [sodium and **potassium** *ions]-ATPase* in the salt gland of the duck. 033800

ATRACTOMORPHA
The synonymy and distribution of the crenulata- and psittacina-groups of *Atractomorpha* **Saussure** 1862 (Orthoptera: Acridoidea: Pyrgomorphidae). 040169

ATRAPHAXIS
Nomenclature notes on some species of *Atraphaxis* L. **(Polygonaceae).** 035978

ATRAZINE
Using the associated herbicides based on *atrazine* and **butylate** in irrigated and non-irrigated maize crops. 039161
The dynamics of the content of *atrazine* in **washing** waters as related to the levels of the herbicide and of the mineral fertilizers with lime applied previously [Maize]. 039524

ATRIOVENTRICULAR
Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary artery occlusion, **impaired** *atrioventricular* conductance and negative inotropic and chronotropic effects. 034116

ATROPA
Isolation, culture, and induction of embryogenesis in protoplasts from cell-suspensions of *Atropa* **belladonna.** 036347
Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in burdock root tea *[Atropa* **lappa].** 036928

ATTRACTANTS
Attractants for synanthropic flies: Identification of *attractants* and **coattractants** for Hippelates [collusor] eye gnats (Diptera: Chloropidae). 039467
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as **possible** *attractants* of the pecan weevil, Curculio caryae]. 037760
Geometrical isomerization of 1,5-dienes: isomers of gossyplure, the pink bollworm [Pectinophora gossypiella] **sex** *attractants.* 039289
Sex *attractant* curbs gypsy moth [Porthetria dispar, forest trees]. 039375
Attractants for **synanthropic** flies: Identification of attractants and coattractants for Hippelates [collusor] eye gnats (Diptera: Chloropidae). 039467

AUCHENORRHYNCHA
On some Typhlocybinae from **India** *(Auchenorrhyncha,* Cicadellidae) [Anaka, Takama, Mandola, new taxa]. 039997

AUCTIONS
Selling cattle: **public** *auctions.* 031537

AUDIOVISUAL
Proposed for an *audiovisual* **information** system in agriculture. 031013

AUJESZKY
Complex immunization of swine against hog cholera, *Aujeszky's* **disease** and erysipelas. 035232
Comparative study of *Aujeszky's* **disease** virus reproduction in cell and tissue suspensions of avian embryos [quail]. 035278

AULACASPIS
Standover lifts "minor" insect numbers [Sugarcane pests, *Aulacaspis* **madiunesis,** Opogona glcyphaga]. 039269

AUREOBASIDIUM
Metabolism of trehalose and pullulan during the growth cycle of *Aureobasidium* **pullulans** [Fungi]. 037308

AUTOBIOGRAPHY
More than fifty years of agronomic experience and social life *[Autobiography,* **agronomists].** 037971

AUTOGENOUS
Experimental studies on *autogenous* **skin** grafting in bovine [Cattle]. 033979

AUTOLYSIS
Changes in the alpha-glucosidase activity during slow *autolysis* of **cattle** muscular tissues. 034140
Autolytic **properties** of some lactic acid bacteria used in cheese production. II. Experiments with fluid substrates and cheese. 032993

AUTOMATIC
Automatic **air** conditioning in swine houses. 040377
Automatic **average-value** signal control of temperature and relative air humidity in a phytochamber. 037251
An *automatic,* **continuous** flow respirometer, its description and use. 041421
The *automatically* **controlled** system for designing horizontal drainage [of peat bogs and boggy soils]. 041266
Semiautomated **determination** of Di-Syston in granular formulations [Systemic insecticide, for the control of sucking insects and mites on plants]. 039227
Announcing an upstairs/downstairs, translateral, conveyorized, *automatic,* **dishwashing** contraption - it works! 032651
Repair of *automatic* **farm** equipment [Costs]. 031427
Recommended design of sample intake systems for *automatic* **instrumentation** [Measurement of water quality and waste effluents]. 041509
Using the *automatic* **interaction** detection (AID) model to obtain homogeneous classifications of farmland [real estate] markets. 031149
Ways of increasing productivity of *semi-automatic* **lines** [Sawmills]. 035801
Implementation of new technologies in the design of an *automatic* **liquid** sampling system [Wastewater]. 041573
Conditions for using *automatic* **methods** of counting milk cells: calibration and preservation of milk samples. 032985
The influence of *semiautomatic* **milking** plants on the sequence of operations [Livestock management]. 031263
Automatic **milking** machine removal. 040551
Automatic **monitoring** of effluents—a feasibility study [Wastewater treatment]. 041567
New *automatic* cheese store in Olterterp in Friesland. 031704
A *semiautomated* **procedure** for the determination of phosphorus in water, waste waters and particulates. 041459
Automatic **processing** of hydrometric and hydrometeorologic data [Water management]. 041299
Studies on moisture status of forest soil. IV. Development of original field tensiometer into *automatic* **recording** system and some improvements of the system. 040573
A time **related** *automatic* total-load sediment sampler [for measuring streams]. 041366
Early intervention and extinguishing of forest fires by using a diesel Campagnola truck equipped with *automatic* **spraying.** 035474
Trials and tribulations in operating an *automatic* **stream-quality** sensing network [Water, computers]. 041334
State of **Wisconsin** *automatic* water quality monitoring system for the Fox and Wisconsin Rivers. 041325

AUTOMATION
The development of an *automated* **analytical** system for the determination of somatic cells in milk [Quality, sanitation]. 031966
Automated **chemical** analysis for water quality measurement [Pollution control]. 041566
Automation of **cleaning** systems [Milking equipment]. 040463
Automated **control** of the precision of frame sawing. 035802
The practical and economic significance of the simultaneous increasing of the frequency of milking and feeding for milk production on *semi-automated* **dairy** procedures. 034341
Automated **fatty** acid analysis. 032862
Automated **hydrolysis** of nonreducing sugars and fructosans from plant tissue [Grasses]. 037387
Demands on the *automation* of **industrial** greenhouse units. 040353
Automated **land-use** mapping from spacecraft data. 031210
An *automated* **management** system for the complex water installations on Zeravshan River [Irrigation]. 041253
Automation in the **pesticide** analytical laboratory. 039588
Automated **quantitative** analysis of wood carbohydrates by borate complex ion exchange chromatography. 035904
Automated **sulphate** analysis of wines. 033320
The development of an *automated* **system** of analysis for the determination of the bacteriological quality of milk. 031967

AUTONOMIC
Autonomic **regulation** of secretory activity and growth responses of rat parotid gland. 033948

AUTOPSIES
An *autopsy* **case** of swine with affection similar to Banti's disease. 035361
Development of the apex of Taxus baccata L. Under the influence of Taxomyia taxi Inch., and *postmortem* **effects** provoked by Cecidozoaire. 039399
Postmortem **glycolytic** and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773

AUTORADIOGRAPHY
Endocrine activity during caste differentiation in Zootermopsis angusticollis Hagen (Isoptera): a morphometric and *autoradiographic* **study.** 039661

AUTOSOMES
Robertson-type translocations (centric fusions) of *autosomes* in **cattle** (Bos taurus L.). 034604
Autosomal **chromosome** translocation of Piebald cattle and Brown cattle. 034612
Genetic analysis of the proximal region of chromosome 2 of Drosophila melanogaster. I. Detachment products of **compound** *autosomes.* 039749
Extra-large Tribolium confusum: a **new** *autosomal* recessive mutant. 039653

AUTOTETRAPLOIDS
Aneuploidy in **corn** *autotetraploids.* 036460
Manifestation of male sterility in *autotetraploids* **derived** from diploid male-sterile radishes (Raphanus sativus L.). 036583

AUTOTROPHISM
Ultrastructural peculiarities of cells and plastids during change from tissue culture heterotrophic nutrition to *autotrophic* **one.** 036288
Photosynthetic activity of the *autotrophic* **tissue** culture of Ruta. 036911

AUTUMN
Optimum parameters of **agricultural** *autumn* works in cereal growing. 038114
Autumn **application** of fertiliser [for sugarbeets]. 037977
Short day handling of **early** *autumn* head lettuce [grown] under glass. 037877
Results of winter wheat variety testing from *autumn* **fallow.** 038180
Time for thoughts on *autumn* **growing** [Horticultural varieties]. 038517
Which row spacing is preferred for *autumn* **oil** plants? 038170
Autumn **oil** yielding plants and parasites. 039062

Content of plastid pigments in winter wheat leaves in *autumn-winter-spring* **period.** 037412
Intercropping of *autumn* **planted** sugarcane with wheat. 038036
Varieties of *autumn* **rape.** 038169
Can the cabbage leaf louse be controlled on *autumn* **rape?** [Diaeretiella rapae, biological control]. 039303
Some taxonomical and biological observations of the aphids caught on the vegetables in *autumn* **season.** 040000
Autumn **sparkle** from winterberry [Culture]. 038277
Autumn **tillage** of soil and the application of green manure plants to cotton-alfalfa crop rotations. 038177

AUXINS
The mechanism of *auxin* **action** on membrane transport of hydrogen ions [Maize]. 037589
Auxin-like **activity** of 1,2-benzisothiazole derivatives [in pea and Jerusalem artichoke tissues]. 037803
Glucose-6-phosphate dehydrogenase in tobacco callus strains differing in their growth and their requirement for *auxin* and **cytokinin.** 037369
Auxin-induced **hydrogen** ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and water stress [Oats]. 037528
The induction of transport channels by *auxin* **[Kidney** beans]. 037818
Role of *auxins* in **leaf** spot incidence in ragimillet incited by Helminthosporium tetramera. 038712
Effects of [the fertilizer] Osmocote in the rooting medium and *auxin* **levels** on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. 041068
Kinetics of *auxin* **transport** in light and in dark grown Zea mays L. coleoptile segments. 037613

AVALANCHE
Biological *avalanche* and torrent prevention by timely protective forest care. 035516
Avalanches from **forests.** 035515

AVENA
Correlations between quantitative characters and enzyme genotypes in *Avena* **barbata** [Oats]. 036486
Wild oats *[Avena* **fatua]:** losses caused and advantages of controlling it before its emergence [Cereals]. 039095
Control of wild oats *[Avena* **fatua].** 039197
Chromosome relationships in **interspecific** *Avena* hybrids, with special reference to hybrids with Avena longiglumis [Oats]. 036576
Interrelationships of fodder yield and its components in **oats** *(Avena* sativa L.) [India]. 036498
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and growth in *Avena* **[oats]** coleoptile segments. 037612
Protein composition in developing groats of an Avena sativaL. cultivar and an *Avena* **sativa** X Avena sterilis L. selection [Oats]. 036438
Mechanisms and stability of slow term rusting resistance in *Avena* **sterilis.** 038769

AVIAN
Regulation of *avian* **eggshell** porosity. 033133
Comparative study of Aujeszky's disease virus reproduction in cell and tissue suspensions of *avian* **embryos** [quail]. 035278
A contribution to histological picture of *avian* **encephalomyelitis** in central Slovakia. 035258
Studies on *avian* **erythrocyte** metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in chick embryos and chicks. 033865
Gas-blood pCO2 [carbon dioxide pressure] gradients during *avian* **gas** exchange [Chickens]. 034015
Plasma cells in the *avian* **harderian** gland and the morphology of the gland in the rook [Poultry, quail]. 033854
Experimental studies on the immunization of *avian* **infectious** bronchitis virus: immunogenicity of the CK attenuated virus. 035010
Vaccination against Marek's disease in chicken *[Avian* **lymphomatosis].** 034978
Comparison of an avian osteopetrosis virus with an *avian* **lymphomatosis** virus by RNA-DNA hybridization. 035129
Passive transfer of heterologous immunity in *avian* **malaria** [Chickens, Plasmodium relictum]. 035099
Avian **mitochondrial** glutamine metabolism. 034036
Chronic respiratory disease of poultry: vaccination against *avian* **mycoplasmosis** with the Mycovax vaccine. 035197
Ribonucleotide sequence homology among *avian* **oncornaviruses.** 035136
Comparison of an *avian* **osteopetrosis** virus with an avian lymphomatosis virus by RNA-DNA hybridization. 035129
Esponse of the **ovenbird** *(Aves:* Parulidae) to an outbreak of the spruce budworm [Choristoneura fumiferana, control]. 039386
Purification and properties of an *avian* **prolactin** [Chickens]. 033907
Reactivity of *avian* **RNA** tumor viruses with lectins. 035135
High spontaneous mutation rate of an *avian* **sarcoma** virus. 035131
The ultrastructural localization of calcium in the *avian* **shell** gland [Chickens]. 034065
A procedure for location and removal of the lachrymal and Harderian glands of *avian* **species** [Chicken, quail]. 033863
Contributions to an analysis of the *avian* **vitelline** membrane's potential to promote outgrowth of the yolk sac-serosal membrane [Chicken eggs]. 033733

AVIRULENCE *see* **VIRULENCE**

AVOCADOS
Study on Phytophthora cinnamomi of *avocado* in **Cameroon.** 038622
The control of moulds on *avocado* and its **effect** of the change in the flora of pathogenic fungi on the fruit. 038624
The biology and pathogenicity of fungi causing moulds on *avocados* after **harvest.** 038623

AXES
Aseptic culture of soybean and peanut **embryonic** *axes* to improve phytosanitation of plant introductions [to control virus diseases]. 038939

AXIS
Axial and **lateral** order of regenerated cellulose fibres. Paracrystalline condition of cellulose. 035721
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the **pituitary-testicular** *axis* to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
Axial and **transnodal** movement of 14C, 22Na, and 36Cl [carbon, sodium, chlorine isotopes] in Nitella translucens [Algae]. 037039

AXONS
Axonal **conduction** in insects. 039774
Comparison of synaptic vesicle sizes in *axonal* **profiles** synapsing on neuronal bodies and dendrites in the cat motor cortex. 034216
An electrophysiological analysis of *extra-axonal* **sodium** and potassium concentrations in the central nervous system of the cockroach (Periplaneta americana L.). 039844

AZADIRACHTA *see* **MARGOSA**

AZAGUANINE
On the natural resistance of Drosophila melanogaster cells to **6-mercaptopurine** and *8-azaguanine.* 039764

AZALEAS
F1 crosses of evergreen and **deciduous** *azaleas* and other wide crosses of Rhododendron. 036627
Growing *Azaleas* and economics [Costs]. 031459
L.). B. Flower color and flower color pigmentation in the spontaneous and artificial color sports Azalea indica L. Btusum Planch. *(Azalea* **indica** L. & Azalea japonica. 037788
Native *azaleas* at the Morris Arboretum [Varieties]. 035992
The growth- and quality-increasing influence of **pesticides** on *Azalea.* 039581
L.). B. Flower color and flower color pigmentation in the spontaneous and artificial color **sports** *Azalea* indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. 037788

AZO
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris [kidney beans] phloem by the use of the *azo* **dye** method. 036362
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris [kidney bean] xylem by the use of an *azo-dye* **method.** 037774

AZOLLA
Photoproduction of molecular hydrogen by a plant *[Azolla]-algal* **symbiotic** system. 037259

AZULENE
Nuclear magnetic resonance analysis of hydrogen and carbon isotopes of *azulene* **extract** derivatives of Eriocephalae punctulactus. 036860

BABESIA
Babesia **rodhaini:** immuno-induction of antigenic variation [Mice]. 035089
Babesia **rodhaini:** a study of the effects of immune serum [Mice]. 035090

BABOONS
The breeding and utilization of *baboons* for **biomedical** research [Laboratory animals]. 034714
Application of the subhuman primate pregnancy test kit to pregnancy diagnosis in *baboons* **[Laboratory** animals]. 034711

BACILLARIOPHYCEAE
Planktoniella sol (Wallich) Schutt, *(Bacillariophyceae,* **Coscinodiscaceae),** a new record for north-western Atlantic coastal waters [Algae, new taxa]. 036110

BACILLUS
Market milk products, infected by *Bacillus* **cereus** in the dairy [Contamination]. 032122
Watermelon rind necrosis [Erwinia, *Bacillus]* in **Imperial** Valley. 038855
Heat resistance of ileal loop **reactive** *Bacillus* cereus strains isolated from commercially canned food. 031949
Effect of alkaline and acid solutions on insecticidal activity of *Bacillus* **thuringiensis** [Bombyx mori]. 039210
After-effect of *Bacillus* **thuringiensis** preparations on the development of [insect] pests [Biological control]. 039243
Natural enemies used to fight insect ravages [Biological control, Aphytis maculicornis, *Bacillus* **thuringiensis].** 039246
Bacillus **thuringiensis** preparations harmless to the parasite Trichogramma cacoeciae (Hymenoptera, Trichogrammitidae) [Plant insect pests, biological control]. 039247
Control of the forest tent caterpillar [Malacosoma disstria] with microbial agents *[Bacillus* **thuringiensis,** biological control]. 039403

BACKCROSS *see* **CROSS**

BACKFAT
A study of the effects of diet composition, within the pounds of normal diversity, on the characteristics of *backfat* **lipid** in pigs. 034399
Growth hormone and somatomedin activities in lines of pigs selected for rate of gain and **thickness** of *backfat.* 033697

BACON
Propionic acid-treated barley in the diets of *bacon* **pigs.** 034274
Effects of simultaneous reductions of food intake and dietary protein concentration on the growth and carcass quality of *bacon* **pigs.** 034401
A Proteus inconstans which produced 'cabbage odour' in the spoilage of vacuum-packed **sliced** *bacon.* 032072
The vets save our beef and milk, and the *bacon* **[Veterinarians,** livestock diseases, control]. 034953

BACONERS
Scots sire-lines **shave** *baconers'* backfats [Swine, breeding]. 034775

BACTERIA
Studies on phenonal related compounds inhibiting the growth of lactic **acid** *bacteria.* II. Substances in green tea inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
Influence of thermophilic methane fermentation products on the metabolism of lactic **acid** *bacteria* [during culturing in milk]. 032945
Autolytic properties of some lactic **acid** *bacteria* used in cheese production. II. Experiments with fluid substrates and cheese. 032993
Physiological-biochemical properties of lactic **acid** *bacteria* of haylage. 033575
Etiology and geographical distribution of *bacterial* **agents** of mastitis in dairy cows in Slovakia in 1973 and 1974. 035262
Ecological studies on **algal-lysing** *bacteria* in fresh waters. 036211
Coprophagy-dependent changes of the **anaerobic** *bacterial* flora in stomach and small intestine of the rabbit. 035289
Anaerobic *bacteria* and ther activities in soil. 040648
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the *bacterium* on **artificially** infested weeds, plant residues and soils. 038852
Interactions of nematodes with other pathogens [Fungi, *bacteria]* **attacking** plants in the Western States. 039065
The *bacterial* **bed,** a technique for deodorizing semi-liquid manure. 041626
The *bacteriological* **behavior** of beef, vacuum-packed in bags of differing oxygen permeability, under prolonged refrigerated storage. 033069
An evaluation of ATP [adenosine triphosphate] estimations of *bacterial* **biomass** in the presence of phytoplankton [Algae]. 037087
Crop disease losses in Canada and methods for their determination **[Beans,** *bacterial* **blight].** 038871
Accumulation, mobilization and turnover of glycogen in the **blue-green** *bacterium* Anacystis nidulans [Algae]. 037302
Formation and supramolecular structure of *bacterium* **cellulose.** 035725
Use of **certain** *anti-bacterial* agents in storing boar sperm. 034869
Arthro-tenosynovitis of non-viral etiology in the **chicken** *[Bacteria].* 035042
The *bacteriological* **composition** of some commercial starters used for Gouda cheese manufacturing [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. 033030
Utilization of marine plants [Algae] and their **constituentsby** *bacteria* isolated from the gut of echninoids (Echinodermata). 037097
Verification of some combined tests on media for enterobacteria [Food **contaminating** *bacteria].* 032144
Hygienic aspects of mink feed *[Bacterial* **contamination].** 033581
Chemical and *bacterial* **cycling** of heavy metals in the estuarine system [Water pollution]. 041468
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine **decomposing** *bacteria* [Escherichia coli] from the feces of sheep. 041602

The occurrence and pathology of chlamydiosis [Chlamydia] indomestic and laboratory animals: a review *[Bacterial* **diseases].** 035176
Antibiotics curb *[bacterial]* **diseases** in livestock, boost growth. 035285
Etiology of almond [Prunus amygdalus] leaf scorch disease and transmission of the causal agent [a *bacterium,* **Draeculacephala** minerva]. 038869
Adhesive properties of **enteropathogenic** *bacteria* [Animal diseases]. 035146
Comparison of RNA synthesis by *bacterial* **[Escherichia** coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. 039926
The effect of lactic acid [as a preservative] on the *bacterial* **flora** and the color of fresh meat. 033072
Some metabolic and biochemical characteristics of representative microbial isolates from vacuum-packaged beef **[Food** *bacteria].* 032076
Acid phosphatase in the spleen of *bacteria* **free** and conventional rats. 035288
Effect of *bacterial* & **fungal** extracts & metabolic inhibitors on excystment of soil amoebae. 040659
Densities of *bacteria* and **fungi** in coastal surface films as determined by a membrane-adsorption procedure. 036233
Pesticide degradation [by soil microrganisms, especially the **fungi** and *bacteria].* 039569
Persistence of fecal coliform **indicator** *bacteria* on alfalfa irrigated with municipal sewage lagoon effluent [Health hazards to livestock]. 041353
Influence of pesticides on denitrification in soil and with an **isolated** *bacterium.* 039572
Inheritance of resistance to *bacterial* **leaf** blight [Xanthomona oryzae] in rice. 038865
A comparison of *bacteriological* **methods** of examining the hygienic status of frozen fish products. 031994
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, melons, celery, onions, *bacteria,* **molds].** 038859
Selective solubilization with sodium deoxycholate of membrane proteins from Spiroplasma citri [Plant pathogenic **mycoplasma-like** *bacteria].* 038890
Nitrification and **nitrifying** *bacteria.* 040651
A method for separation of slow-growing strains of **nocule** *bacteria* [Rhizobium lupini] from their mucus. 040568
On the development of **nodular** *bacteria* [Rhizobium leguminosarum, Rhizobium lupini] in the soil. 040686
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species **[Nodule** *bacteria* from lupine, peanuts and cowpeas]. 036947
Some morpho-physiological and symbiotic properties of polyploid forms of pea **nodule** *bacteria* [Rhizobium leguminosarum, alfalfa]. 037680
The effect of inoculation [with **nodule** *bacteria]* on the assimilation of hardly accessible sources of phosphorus by soybeans. 037960
Studies of phage 1P receptors in Rhizobium trifolii and Rhizobium leguminosarum **[Nodule** *bacteria].* 040554
The structure of pili (fimbriae) of Moraxella bovis *[Bacteria* **pathogenic** to animals, infectious keratitis]. 035039
Induction of outgrowth formation on storage roots of sweetpotato due to plant **pathogenic** *bacteria.* 038870
Role of **photosynthetic** *bacteria* in foul water purification. 041641
Improved DNA-DNA hybridization as a taxonomic tool for **phytopathogenic** *bacteria.* 038867
The effect of a long contact of the population of fleas [Xenopsylla cheopis] with **plague** *Bacteria* on the infection activity of vectors. 039503
Use of *bacteria* as **protein** producers in a process based on hydrocarbons. 032718
Incorporation of N from intravenously administered 15N [nitrogen isotope] labelled urea into the *bacterial* **protein** in the sheep. 033721
Controlled fermentation of cucumbers with **pure** *bacterial* strains [Pickling]. 033449
The development of an automated system of analysis for the determination of the *bacteriological* **quality** of milk. 031967
The preparation of simulated water samples for the purpose of *bacteriological* **quality** control. 032090
Bacteriological **quality** of selected delicatessen foods. 032092
Tetrahedron-packed milk for infants—a method for optimum infant nutrition *[Bacteria,* **quality].** 032121
The radiation-resistant **red** *bacterium* [Pseudomonas radiora]from rice. 038863
Bacterial and **rickettsial** diseases [Cats]. 035067
Electron microscopic investigations on the occurrence of **rickettsia-like** *bacteria* in the roots of Erica gracillis Salisb. 038874
Relationship of lactate dehydrogenase specificity and growth rate to lactate metabolism by Selenomonas ruminantium **[Rumen** *bacteria].* 033754
Protein quality of **rumen** *bacterial* preparations from cattle fed rations of different roughage content. 034171
The development of [the blue-green alga] synechocystis aquatilis Sauv. in the presence of [the **saprophytic** *bacteria]* Pseudomonas putida Migula. 037327
Production of stabilised **semi-dry** *bacterial* cultures (IM cultures) for the food industry. 032883
Bacteriological and **sensory** investigations on milk quality with different packaging systems. 032118
Phenolic compounds & polyphenol oxidase activity in relation to resistance in potatoes against *bacterial* **soft** rot [Erwinia carotovora]. 038860
The thermostability of secondary structure of d-glyceraldehyde-3-phosphate dehydrogenase from thermus thermophilus characterized by a new method **[Soil** *bacteria].* 040639
Extracellular polysaccharides of **soil** *bacteria.* 040650
An endo-alpha yield 6-D-mannanase from **soil** *bacterium* [Arthobacter]. Purification, properties, and mode of action. 040668
Anomalous results encountered when measuring acetylene reduction by **soil** *bacteria.* 040794
Comparison of agar media for counts of viable **soil** *bacteria.* 040795
Studies of physiology for development of **sour** *dough-bacteria.* 4. The effect of different systems by the storage of sour dough on its microflora. 033237
Effect of substrates on acetoin production by Torulopsis colliculosa [Yeasts] and Enterobacter *[Bacteria]* **species.** 036777
Bacterial **stripe** of Euchlaena mexicana caused by Pseudomonas rubrilineans. 038861
Parasitic granulomas in reindeer. A histopathological, parasitological and *bacteriological* **study.** 035173
The results of **studying** *bacterial* diseases of sorghum on the Stavropol area. 038873
Bacteriological **survey** of frankfurters produced at establishments under federal inspection. 032093
Biochemical studies of *algal-bacterial* **symbiosis** in high-rate oxidation ponds with varying detention periods and algae. 036790
Studies on the survival of **thermophilic** *bacteria* during manufacture and storage in dried milks. 032056
Ureolytic *bacteria* in sheep rumen. 034061
Unusual sources of proteins for man [Single cell protein, algae, **yeasts,** *bacteria].* 032781

BACTERICIDES

Incidence of *antibacterial* **activity** in the Connaraceae. 037192
The use and abuse of *antibacterial* **drugs** in pig feed. 034460
The enviromental impact of *antibacterial* **drugs** in food animals. 035185
Bactericidal and **haemolytic** activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). 034986
Cationic surface-active agent as *bactericide* **[Wastewater** treatment]. 041627
The influence of ultrasonic waves on basic microorganisms of wine. II. The relationship between the effect of ultrasonic waves on the physicochemical composition of *bactericides* in a **workable** medium. 033346

BACTERIOCINS

Properties of some *bacteriocins* **produced** by Rhizobium trifolii [Fungi]. 037052

BACTERIOPHAGES

Some physico-chemical properties of dysentery therapeutic—prophylactic **Newcastle** *phages* H-17 and H-18. 035283
Studies of *phage* 1P **receptors** in Rhizobium trifolii and Rhizobium leguminosarum [Nodule bacteria]. 040554
Comparative study of moderate and **virulent** *phages* of mesophilous lactic acid streptococci. 033021

BACTEROIDES

Studies on *Bacteroides* **fragilis** group. 1. Distribution of Bacteroides fragilis group in the large intestine of guinea pigs and chickens. 035011
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root **nodule** *bacteroids* [Rhizobium japonicum]: presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051

BAETIDAE

Baetis species from Kuopio Museum, Finland **(Ephemeroptera,** *Baetidae).* 040129

BAETIS

Baetis **species** from Kuopio Museum, Finland (Ephemeroptera, Baetidae). 040129

BAGASSE

Enzymic saccharification of *bagasse* [by **Trichoderma** viride, fungi]. 033267

BAGGING

The bacteriological behavior of beef, vacuum-packed in *bags* of **differing** oxygen permeability, under prolonged refrigerated storage. 033069

BAHIAGRASS

The effects of temperature and day length on the growth of dallisgrass (Paspalum dilatatum Poir.) and *bahiagrass* **(Paspalum** notatum Flugge.). 037380

BAKERS

Constituents of Evodia **floribunda** *Baker,* I. Floribundic acid, a new diterpene of the clerodane type. 037291
Revision of the genera **Paraphlepsius** *Baker* and Pendarus Ball (Rhynchota: Homoptera: Cicadellidae) [New taxa]. 040114
Effect of ultrasonic waves on the biological properties of *bakers'* **yeast** [Saccharomyces cerevisiae]. 032717
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of *baker's* **yeast** iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the C-terminal region of *baker's* **yeast** [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Effect of metabolic inhibitors on the preservability of *baker's* **yeast** [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase activity during its storage. 032864
Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from *baker's* **yeast** [Saccharomyces cerevisiae]. 036781
Effect of temperature and active acidity of the medium on the metabolism of reserve carbohydrates and survivability of *baker's* **yeast** [Saccharomyces cerevisiae]. 037216

BAKING

Proposed European Economic Community flour-types and their *baking* **behavior.** 033233
Measures to improve the bread quality at the **Galatz** *bakery.* 033290
Convenience plus versatility match growing consumer interest in **home** *baking.* 032235
Convenience plus versatility match growing consumer interest in **home** *baking.* 032624
Preventing mice **infestations** [in *bakery].* 032015
Create your **own** *bakery.* 032642
Views on the quality of "Christstollen" *[Bakery* **products].** 033238
Effect of milling and *baking* on the **retention** of thiamine and riboflavin in some new wheat varieties of Pakistan. 033142
Short-term *baking* systems. I. Interdependence of yeast concentration, fermentation time, proof time and oxidation requirement. 033210
High altitude cooking, *baking:* some **tips** for the housewife. 032508

BALES

Forces exerted on ties of compress universal density **cotton** *bales.* 033173
The high-pressure pick-up baler K453, a new harvesting machine for the *baler* **line.** 040481
Effects of *baled* **solid** waste disposal in the marine environment—a descriptive model [Water and air pollution]. 041470

BALSAM

Development and composition of the [wood] warty layer in *balsam* **fir** [Abies balsamea]. II. Composition. 035897
Studies on the downy mildew disease of *balsam* **[Impatiens** balsamina] caused by Peronospora obducens. 038663

BAMBOO

Chloropidae (Diptera) of *bamboos* of the **genus** Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. 040069
Isolation and fractionation of water-soluble polysaccharides from *bamboo* **[Phyllostachys** edulis] shoot [Food chemistry]. 032710
The structures of water-soluble polysaccharides isolated from *bamboo* **[Phyllostachys** edulis] shoot [Food chemistry]. 032712

BANANAS

Annotated bibliography on vegetative propagation of *bananas,* 1960-1974. 038447
Estimating the state of maturation of a *banana* **bunch** from meteorological and supporting data. 037621
World demand prospects for *bananas* and **citrus** fruits, the effect of prices and income on the growth rate of consumption. 031736
Proximate chemical composition of agricultural fibrous materials [Abaca, sugarcane, **coconuts,** and *bananas].* 032819
Banana **cultivation** in Surinam. 038506
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, Paspalum notatum] inhibiting the **growth** of *banana.* 039136
Initial release of nitrogen from ureaform under field conditions [of **Israel,** *bananas].* 041042
Identification of salsolinol as a major dopamine **metabolite** in the *banana.* 033413
Rhythm of potassium absorption in relation with growth **(pineapple** and *banana).* 037746
Influence of the level of potassium nutrition on the physiological functions of tropical plants and the quality of their products *[Bananas,* **pineapples,** cotton]. 036978
Parasitic nematodes associated with cultivars and clones of *banana* and **plantain** in Venezuela. 039043
Reduction of wastage during post-harvest handling of *bananas* in the **Sudan.** 033471
The use of **waste** *bananas* for swine feed. 034376

BANGIACEAE

Phenetic implications of structural features of the perennating phase in the life history of *Porphyra* and **Bangia** (Bangiophyceae, Rhodophyta) [Algae]. 036340

BANKS

Commercial *banks* financing agriculture. 031448
Role of **commercial** *banks* in financing agriculture. 031464
A **data** *bank* for physical properties of foodstuffs. 032734

Agricultural **Development** *Bank* of Afghanistan. 031505
On ecological and zoogeographical characteristics of beetles of the family Coccinellidae (Coleoptera) on the *left-bank* **(eastern)** Ukraine. 040071
About **gene** *banks* and storage for sowing [Field crops]. 036698
One hundred and twenty years of cooperation in control of floods and interior waters on the **left** *bank* of the Vah River. 041227
Know-how-bank for the **mountain** regions [Agriculture, finance]. 031506

BARBERRIES
Rooting cuttings of Crimson **Pygmy** *Barberry* [Berberis thunbergi]. 037834

BARBITURATES
Barbiturate **spindling** of the neuronally isolated cortex [Cats]. 034192

BARIUM
Radiographic evaluation of gastrointestinal tract in buffaloes calves by *barium* **meal** study. 033981

BARK
Selective production of cis- and trans- verbenol from (-)-and (+)-alpha-pinene by a *bark* **beetle** [Ips paraconfusus]. 039406
Synonymy of *bark* **beetles** XXVI. 318. Morphology and taxonomy of Scolytoidea. 040160
A thermogravimetric study of the pyrolysis of the *bark* and **chemically-modified** bark of Jack pine, Pinus banksiana Lamb. 037941
Bark **combustion** plant at Folla Fabrikker. 035841
Dry barking of birch pulpwood by **drum** *bark* stripping machines. 035767
Study of the diseases of the European **elm** *bark* beetle, Scolytus scolytus F. in the Kosova area, Yugoslavia. 039381
Ipsenol, the population control material for silver **fir** *bark* beetle [Pityokteines curvidens, Coleoptera, Scolytidae]. 039404
Combustion of *bark* for **flash** drying plants. 035842
The penetration of females of the **fruit** *bark* beetle Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Annotated bibliography on the use of *bark* in **growing** media, 1963-1974 [Composts]. 041060
Tables of form factor for *stems-in-bark* in **pine** stands. 035529
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions **[Pine** *bark* beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride **[Pine** *bark* beetle, Dendroctonus brevicomis]. 039392
About a monoglucoside of emodine from the *bark* of **Rhamnus** frangula. 037189
Diurnal fluctuation of CO2 [carbon dioxide] release from the **stem** *bark* of standing young Pinus densiflora trees. 037923
Bark-beetle-fungal **symbiosis.** III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Chemical constituents of the seeds and *bark* of **Syzygium** cumini. 037191
On variations in anatomical structure of the *bark* of **two** species of larch [Larix sibirica, Larix dahurica]. 036330
Polysaccharides from the *bark* of the **white** willow (Salix alba L.): structure of an arabinan. 035717
Alkyl ferulates from the *bark* and **wood** of plants of the Pinaceae family. 035730
Studies on constituents of medicinal plants. XV. The constituents of the *bark* and **wood** of Wisteria floribunda DC. 037070

BARLEY
Propionic **acid-treated** *barley* in the diets of bacon pigs. 034274
Importance of quality of *barley* used in the **alcohol** industry. 033289
Immunohistochemical localization of alpha-amylase in *barley* **aleurone** cells. 036321
The change of the plastid apparatus per unit of leaf area and the yield of *barley* under various **application** of zinc. 040874
Acid proteases of *barley* and **barley** malt. 033147
Dynamics of the hydrolysis of *barley* **beta-glucan** under the action of various enzyme preparations. 033152
The haploid technique in *barley* **breeding.** 034597
Problems of **breeding** *barley* with a high lysine content in the light of genetic, biochemical and nutritional studies. 036616
Connection between protein content and malt extract yield in **brewing** *barley.* 033279
Spelt content of **brewing** *barley* as a quality determining variety characteristics. 033280
Fusariotoxicosis [Fusarium] from *barley* in **British** Colombia. I. Natural occurrence and diagnosis [Feeding of mouldy grain to livestock]. 035396
Fusariotoxicosis [Fusarium] from *barley* in **British** Columbia. II. Analysis and toxicity of suspected barley. 035397
Histochemical investigation of acid phosphatases in aleurone **cells** of *barley.* 037374
Mutants as objects for investigations on the function of **chlorophylls** *[Barley].* 037444
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of cobalt micronutrient fertilizers *[Barley* **chloroplasts].** 037416
Wheat, *barley* and **corn** silages for growing steers and lambs. 034418
The effect of simultaneous short term action of streptomycin and humate on plants [Wheat, *barley,* **Crassula** portulacea]. 037370
Incidence of Helminthosporium [gramineum] stripe on *barley* **cultivars** in Bihar. 038691
Response of *barley* **cultivars** grown at two nitrogen levels. 041011
Pollen dimorphism and anther **culture** in *barley.* 036613
North **Dakota** *barley,* corn, oats, rye historic estimates, 1955-1970 [Statistics]. 031744
Partial purification and characterization of the lipoxygenase from grains of Hordeum **distichum** *[Barley].* 037514
Genetic control of virulence in Ustilago hordei [covered smut disease of *barley].* IV. **Duplicate** genes for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592
Change in the free amino acid composition of **Egyptian** *barley* during preparation of malt and wort. 033150
The effect of protein synthesis inhibition by cycloheximide on the fractionation of chloroplast structural **elements** *[Barley].* 037400
Loose smut [Ustilago nuda] of *barley:* the **embryo** test as a means of assessing loose smut infection in seed stocks. 038792
Effect of nitrogen on the uptake of selenite-selenium by **excised** *barley* roots. 040865
Resistance of indigenous and **exotic** *barley* varieties to races of black rust (Puccinia graminis). 038661
Day-length influence on reproductive development and tillering in **'Fergus'** *barley.* 037382
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing *[Barley,* **fungus** Trichothecium roseum, Aspergillus oryzae). 033148
Changes in the activity of enzymes involved in the endosperm dissolution during *barley* **germination.** 037535
Effects of nitrogen fertilization on the quantity and quality of protein in *barley* **grains.** 041009
The effect of delta-aminolevulinic acid on the protochlorophyllide accumulation and chlorophyll formation in *barley* **green** leaves. 037398
Chromosome doubling of *barley* **haploids** by nitrous oxide and colchicine treatments. 036406
Gibberellin-like compounds in fresh and **heat-treated** *barley.* 033153
Comparative serological studies in *barley* **(Hordeum** vulgare L. s l.) [Varieties]. 038014
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly **immune** *barley* variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. 036500
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly **immune** *barley* variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
Nitrate absorption by *barley.* II. **Influence** of nitrate reductase activity. 037525
Cytogenetic activity of dichlorvos **[insecticide]** in *barley.* 039284
Nitrate absorption by *barley.* I. **Kinetics** and energetics. 037524
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on *barley* **leaves]** as observed by scanning electron microscope. 038846
Amino acid composition of isogenic **lines** in *barley.* 037466
A faster completion of the high **lysine** *barley* program by growing a winter generation in South America [Breeding]. 036699
Anlysis of carbohydrate components of beer wort from *barley* **malt.** 032895
Acid proteases of barley and *barley* **malt.** 033147
Change in the sugars of Egyptian *[barley]* **malt** during mashing. 033151
Influence of some microelements and phytohormones in the photosynthesis intensity and yield of **malting** *barley.* 037552
Barley for **malting** [Varieties, production]. 037956
Source and level of phosphorus for growing-finishing swine [in *barley-soybean* **meal** diets]. 034416
Barley, **oats,** and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
Pathogenicity of Cercosporella herpotrichoides to wheat, *barley,* **oats** and rye [Eyespot disease]. 038821
Lime and phosphorus on low areas *[Barley,* **oats,** wheat]. 041106
Barley **organogenesis** under south Bulgarian conditions. 037551
Influence of different hydrothermal-treatment methods on the protein complex of **pearl** *barley.* 033154
Effect of drainage conditions on nitrogen supply and yield of young loamy soils in the Ysselmeer **polders** *[Barley].* 041437
Digestibility and nutritive value of *barley* for **ponies.** 034283
Adsorption of microbial beta-amylase on starch [from soybean, *barley,* **potato].** 033141
Laboratory measures of field emergence **potential** in *barley.* 037558
Phytoalexin activity in *barley* **powdery** mildew [Erysiphe graminis]. 038572
Properties of acid **proteinase** of *barley.* 037537
Injury and size of *barley* **seed** as affecting its biological activity. 037553
Unscheduled DNA synthesis induced in *barley* **seeds** by gamma rays and 4-nitroquinoline 1-oxide. 037483
University of California **Signal** *barley* [Varieties]. 037987
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, *barley,* **soybeans,** sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Polyploidization and chromosomal aberrations induced by mutagens in the open flowering sterile mutants of **spring** *barley.* 036706
Leaf area and its components in **spring** *barleys.* 037337
The reaction of **spring** *barley* varieties to Selenophoma donacis [the cause of halo spot disease]. 038822
On the problem of the extent and threshold of damage by powdery mildes (Erysiphe graminis f. sp. hordei) on **spring** *barley.* 038843
Breeding of *barley* with **stiff** culms and few tillers. 036578
Sodium hydroxide treatment of *barley* **straw;** effect of volume and concentration of solution on digestibility and intake by sheep. 034276
A comparison of supplementary sources of nitrogen and energy for increasing the voluntary intake and utilization of *barley* **straw** by sheep. 034398
Polyploidogenic activity of certain acenaphthene derivatives **[studied** in *barley].* 036707
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and **subsequent** *barley* crops. 038953
Effect of sodium on the growth of and ion uptake by *barley,* **sugarbeet** and broadbeans. 037467
Fusariotoxicosis [Fusarium] from barley in British Columbia. II. Analysis and toxicity of **suspected** *barley.* 035397
Estimating the efficiency of partial-vacuum inoculation of *barley* with **Ustilago** hordei [covered smut]. 038766
The mitotic activity of germinating seeds of *barley* **varieties** differing in their cold resistance. 036371
Nitrogen and dry-matter accumulation in high lysine and normal **varieties** of *barley.* 037470
Evaluation of lysine content in *[barley* and **wheat]** breeding material by the colorimetric method. 037572
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, Heterodera avenae Woll. [Oats, *barley,* **wheat,** rye]. 039068
Efficiency of simple and mixed fertilizers for winter **wheat** and *barley.* 041118
A new variety of **winter** *barley,* Miraj 1. 038104
Winter *barley,* 1974 [Varieties]. 038128
Evaluation of a number of systemic fungicides for the control of Typhula incarnata in **winter** *barley.* 038837

BARNS
Barn **climate** and animal output. 040315
Oblivion for Soane's **cow** *barn?* 040345
Chemical fly [Musca domestica] control in Ohio **dairy** *barns.* 039495
Practice of *barn* **disinfection** in cattle rearing. 033647
Barn **disinfection** in swine rearing. 035149
Testing possibilities for *barn* **disinfection.** 035150
Climate and ventilation in **livestock** *barns.* 040316
On securing the function of large industrial dairy cattle **plants** *[Barns].* 040322
When the *barn* **sweats,** that is from the dripping cover. 040348

BARORECEPTOR
Effect of *baroreceptor* **activity** on ventilatory response to chemoreceptor stimulation [Dogs]. 034010
Control of depth and frequency of breathing during *baroreceptor* **stimulation** in cats. 034008

BARROWS
Barrow, **Alaska,** USA [Plant community]. 036190

BASIDIOMYCETES
Influence of *Basidiomycetes* **[Fungi]** on the development of neotenics in Heterotermes indicola (Isoptera). 039869
Comparative analysis of the standard testing method for determining the fungal-decay resistance of wood preservatives to *Basidiomycetes* in the **mamber** countries of the Council for Mutual Economic Assistance. I. 035765
The control of extracellular 1,3-beta-glucanase activity in the *basidiomycete* **species** QM806 [Fungi]. 037314

BASIL
Composition of Ocimum gratissimum **(shrubby** *basil)* seed mucilage. 037749

BASINS
Protection of the **air** *basin* of large livestock farms and poultry factories [Control of infectious diseases and of air pollution]. 035252

Manual of the rushes (Juncus spp.) of the Rocky Mountains and **Colorado** *Basin.* 036167
A remote data processing system for Lake Champlain **[Drainage** *basin].* 041293
Relation of erosion to sediment yield **[Drainage** *basin].* 041379
Hydraulic and agricultural management of the **Durance** *basin.* The Provence canal. 041239
Mapping vegetation in the Great *Basin* from **ERTS** [Earth Resources Technology Satellite]-1 imagery [Nevada]. 036242
Landscape assessment of the Upper Great **Lakes** *Basin* resources: a macro-geomorphic and micro-composition analysis. 041549
Presentation of geomorphological and hydromorphological maps of the upper *basin* of the **Lebrija** River (Santander Department) [Colombia, soil erosion]. 041173
Occurrence of endomycorrhizas in soils of the **Mackenzie** *Basin,* Canterbury, New Zealand. 040701
The economics of water oriented outdoor recreation in the Kissimmee **River** *Basin* [Land use]. 031165
Rural land use in the Monongahela **River** *Basin* [West Virginia]. 031166
Soils of the Volga and the Don **River** *basins.* 040716
The Volta, an international **river** *basin.* 041228
Evaluation of an extensive sediment control effort in the Los Angeles **River** *basin* [Flood Prevention Project]. 041373
Variation and causative factors of sediment yields in the Arkansas **River** *basin,* Kansas. 041397
Flood protection control in the upper Lippe **River** *basin.* 041449
Study on the problems of groundwater in **Taipei** *Basin.* 041431

BATRACHOSPERMUM

Observations on *Batrachospermum* **(Rhodophyta)** in southeastern Wisconsin streams [Algae]. 036135

BATS

New species of chiggers (Acariformes, Trombiculidae) from *bats* in **Iran.** 040175

BATTERIES

Lignocellulose *batteries:* potential sources of stored electrical energy. 035883
Operative experiences on the **new** *battery* system of piglet rearing. 033596

BAUXITE

Stabilizing *[bauxite* **ore]** stockpiles on the Texas coast [Erosion]. 041203

BEAGLES

Blood values of male **adult** *Beagle* [dog] and seasonal variation. 033841
Pupillometric studies in the *Beagle* **dog.** 034117
Removal of inhaled 239PuO2 [plutonium dioxide isotope] from *beagle* **dogs** by pulmonary lavage. 033911
Thicknesses of the deposits of plutonium and radium at bone surfaces in the *beagle* **[Dogs].** 033914
Plasma hemoglobin determination in *Beagle* **dogs.** An adaptation of the method of Crosby and Furth. 034098
144Ce [cerium isotope] in tissues of *Beagle* **dogs** after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and strontium-yttrium **isotope]-labeled** *Beagle* humeri [Dogs]. 033910
Bone and bone marrow spaces in dosimetry of *beagle* **skeletons** [Dogs, radiation toxicity]. 035410

BEAMS

Strength and deformation of pitched-tapered Douglas-fir [Pseudotsuga menziesii] **glued-laminated** *beams.* 035900
Reactions of violaxanthine cycle induced by high and **lower** *beams* of red light [Hydrangea hortensis]. 037708
A note on the protection of **wooden** *beams* exposed to an acidic, humid atmosphere [Pseudotsuga menziesii, wood]. 035895

BEANS

Purification and characterization of proteinase inhibitors from **adsuki** *beans* (Phaseolus angularis). 037767
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the **adsuki** *bean* weevil, Callosobruchus chinensis L. from stored beans afer fumigated with hydrogen phosphide. 039423
Isolation of phytotoxic substances produced by Cephalosporium gregatum Allington & Chamberlain [Brown stem rot of **azuki** *beans].* 038816
Crop disease losses in Canada and methods for their determination *[Beans,* **bacterial** blight]. 038871
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the *adsuki* **bean** weevil, Callosobruchus chinensis L. from stored beans afer fumigated with hydrogen phosphide. 039423
Purification and characterization of proteinase inhibitors from *adsuki* **beans** (Phaseolus angularis). 037767
Protein quality of two varieties of high lysine maize fed alone and with **black** *beans* or milk in normal and depleted weanling rats. 032306
The influence of gibberellic acid and abscisic acid on cell and tissue differentiation of *bean* **callus.** 036323
Distribution of D-galactosyl groups in guaran and *locust-bean* **[carob]** gum. 032768
Effect of nitrogen nutrition on glycolate oxidase activity in [broad] *bean* and **corn** plants. 037580
Agronomic investigations on cultivars of table broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on **deep-freezing** of their *beans.* 038462
The influence of Sclerotium rolfsii, mulches and season on **dwarf** *bean* (Phaseolus vulgaris) yields in Western Samoa. 038562
Use of **field** *beans* in swine fattening [Effects of feeding]. 034397
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of potassium nutrition **[Field** *beans,* sunflowers]. 037434
Barley, oats, and **field** *beans* with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
An improved seed programme for maintaining disease-free seed of **field** *beans* (Phaseolus vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. 038872
The pollinating efficiency of honeybee and bumblebee visits to **field** *bean* flowers (Vicia faba L.). 040251
The effects on seedling growth of simulated seed damage in **French** *beans.* 037847
Resistance to anthracnose [Colletotrichum lindemuthianum] of introduced and local specimens of **garden** *bean* varieties under the Sofia region conditions. 038633
Golden *beans* from China now our no. 1 cash crop [Soybeans]. 038183
Studies on the cultural procedures of **grain** *bean* as an irrigated catch crop. 038451
Evidence for structural units in chloroplast thylakoids [Nymphoides **indica,** *beans].* 036344
Critical level of airborne sea salt inducing foliar **injury** to *bean.* 038992
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris **[kidney** *beans]* phloem by the use of the azo dye method. 036362
Heritability estimates of percentage seed protein and available methionine and correlations with yield in dry **[kidney]** *beans.* 036430
A comparative study of gamma-ray, fast-neutron and ethyleneimine mutagenic effects on Phaseolus vulgaris **[kidney** *beans]chromosomes.* 036470
Certain problems of nitrogen metabolism in plants [of **kidney** *beans]* under expansion of tissues induced by 2,4-dichlorophenoxyacetic acid. 037622
A comparative study of the effects of photoperiod on flower bud development and stem elongation in three varieties of Phaseolus vulgaris, L. **[Kidney** *beans].* 037630
General and specific features in the process of rhizogenesis in stem and leaf cuttings of **kidney** *beans.* 037678
Triplet states of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees **[Kidney** *beans,* peas]. 037685
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris **[kidney** *bean]* xylem by the use of an azo-dye method. 037774
Seed selection for potential viability **[Kidney** *beans,* peanuts, cotton]. 037780
The induction of transport channels by auxin **[Kidney** *beans].* 037818
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of leaf heating **[Kidney** *beans].* 037869
About the major changes in the varietal zoning of grain legumes [Peas, **kidney** *beans,* chick-peas]. 038535
Effect of rifampin application time on crown-gall tumor induction by Agrobacterium tumefaciens [Kalanchoe, carrots, **kidney** *beans].* 038856
Effect of the host plant **[kidney** *bean]* nutrition on the population of the two spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
Organizing mechanized harvesting of soybeans and **kidney** *beans.* 040523
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil **[Kidney** *beans,* oats, radioactive contamination]. 040877
Effect of drought on post-photosynthetic conversions of C14[carbon isotope] in [broad] *bean* **leaves.** 037579
The distribution and ultrastructural effects of passionfruit woodiness virus in *bean* **leaves.** 038889
Investigation of the protein composition of anti-A of phytohemagglutinins, obtained from Phaseolus lunatus **[Lima** *beans].* 033342
Gamma-irradiation of **lima** *bean* protease inhibitor in dilute aqueous solutions. 037826
Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, **lima** *beans].* 039341
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and **moth** *bean* [Twinflower dolichos]. 032407
Effect of salt and abscisic acid on in vitro activity of nitrate reductase in seedlings of Phaseolus aconitifolius **[Moth** *beans].* 037611
Heterosis in the **mung** *bean* (Vigna radiata (L.) Wilczek). 036702
Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii **[Mung** *beans,* red clover]. 037362
Stimulation of ethylene production in the **mung** *bean* hypocotyls by cupric ion, calcium ion, and kinetin. 037527
Biochemical characteristics of the outer membranes of plant mitochondria **[Mung** *beans,* potatoes]. 037650
X-ray diffraction from oriented outer mitochondrial membranes. Detection of in-plane subunit structure **[Mung** *beans,* potatoes]. 037658
The flowering behaviour of the **mung** *beans* (Phaseolus radiatus L.). 037669
The amount of flower shedding in some kharif pulses [Cowpeas, **mung** *beans,* mungo beans]. 037762
Some aspects of the relationship between **mung** *bean* yellow mosaic virus and its vector Bemisia tabaci. 038912
Induction of nondormant mutants in black gram **[Mungo** *beans].* 036569
Development of glycolytic and mitochondrial activities in the early phase of germination of Phaseolus mungo seeds **[Mungo** *beans].* 037478
Further studies on glucose catabolism in the early phases of germination of Phaseolus mungo seeds **[Mungo** *beans].* 037479
The amount of flower shedding in some kharif pulses [Cowpeas, mung beans, **mungo** *beans].* 037762
Epidemiological observations on leaf spot (Cercospora sp.) of black gram **[Mungo** *beans].* 038686
The effect of sowing date and season on the development and yield of **navy** *beans* (Phaseolus vulgaris) in south-east England. 038388
Population increase of Phytoseiulus persimilis on differentinsectary feeding programs [Tetranychus pacificus, *beans,* **pests].** 039343
The effect of cycloheximide on absorption of ions by *bean* **(Phaseolus** vulgaris L.) roots. 037633
Flowering and fruit set of [kidney] *bean* **(Phaseolus** vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
Metabolism of amino acids in *bean* **plants** under the deficit of magnesium and calcium in the nutritive medium. 037852
Carbon dioxide transfer and photochemical activities as factors of photosynthesis during ontogenesis of **primary** *bean* leaves. 037742
Castor *[beans]* **production** can be improved [Breeding]. 036554
Effect of some aromatic amines of mitotic activity of meristematic cells of maize and *bean* **roots.** 037373
Pattern of binding of tritiated actinomycin D to Phaseolus coccineus [scarlet **runner** *beans]* polytene chromosomes. II. the entire chromosome complement. 036492
Translocation and metabolism of [3H]gibberellins by light-grown Phaseolus coccineus [scarlet **runner** *beans]* seedlings. 037819
Quality factors affecting the nutritive value of [kidney] *bean* **seed** protein [Methionine]. 032210
Vegetative-floral balance in coffee. III. Effect of thinning of blossom on set and *bean* **size.** 038548
Beans as a **source** of feed proteins (review) [Culture]. 038495
The packing of **southern** *bean* mosaic virus [cowpea strain] in various crystal cells. 038924
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from **stored** *beans* afer fumigated with hydrogen phosphide. 039423
Photochemical oxidants in Yonkers, New York: [Ozone] effects on yield of *bean* and **tomato.** 039018
Pale coloration in Aphis fabae reared on *beans* **treated** withthe plant growth regulator, ethylene-bis-nitrourethane. 039837
Another *bean* for **Washington** [Varietal research]. 038223
Field experiments on the control of the *bean* **weevil** (Acanthoscelides obtectus Say, Coleoptera, Bruchidae) by the release of sterile adults. 037798
Activity of beta-glucosidase in plants with different boron requirements [Maize, **wheat,** *beans].* 037578
Serological differences between some isolates of *bean* **yellow** mosaic virus. 038876
Purification and serology of *bean* **yellow** mosaic virus [transmitted by Myzus amaranticolor]. 038883

BEAUTIFICATION

Native grasses and wildflowers—low maintenance plants **[Roadside** *beautification].* 038484

BEAUVERIA

Genetics and selection of the entomopathogenic **fungus** *Beauveria* bassiana (Bals.) Vuill. III. Study of heterokaryosis. 036676
Genetics and selection of the entomopathogenic **fungus** *Beauveria* bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. 039916

BEAVERS
Some conservation schemes of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the fur trade *[Beaver* and other **fur-bearers].** 041612

BEDS
Applying plant protection products in *bedded* **apple** plantations. 038978
The **bacterial** *bed,* a technique for deodorizing semi-liquid manure. 041626
Rose response to nitrogen, phosphorus, and potassium fertilization rates in plastic mulch **covered** *beds* of find sand. 040894
Comfortable **cow** *beds* [Housing]. 033598
Simulation of contact biooxidation process [to grow microorganisms] using a **fixed** *bed* [Fermentation techonology]. 032866
Controlling common Bermudagrass [Cynodon dactylon] in nonproduction areas [around **nursery** *beds].* 039173
Controlling common Burmudagrass [Cynodon dactylon, around **nursery** *beds]* with hand-applied applications of [the herbicide] Roundup. 039174
Bedding **plants** [Ornamentals]. 038256
Kinetics of batch drying of *deep-bed* **rough** rice using dimensional analysis. 033205
New technique of measurement of effective capacity changes of total **vascular** *bed* [Dogs]. 034134

BEECHES
Long time storage of *beech* **[Fagus]** logs under water sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733
Cell enlargement and tissue differentiation during leaf expsnsion in *beech,* **Fagus** grandifolia. 036291
Drying of water- and **sprinkler-stored** *beech* [Fagus]. 035732

BEECHWOOD
Collapse phenomena in *beechwood* **[Fagus** sylvatica] during and after NH3 [anhydrous ammonia]-impregnation. 035905

BEEF
Beef: **balance** of a year of recovery. 031716
Bull *beef* production. 033597
Scrotal circumference and testicular consistency in *beef* **bulls.** 034798
The influence of stall size on production and behavior of *beef* **calves.** 033646
Relationship between the volume of the *beef* **carcass** and the weight of its anatomical and chemical components. 033040
Estimation of the composition of *beef* **carcasses** from the composition of the 11th rib cut. I. Anatomical composition. 033039
Subcutaneous fat thickness of *beef* **carcasses.** 033041
The changing structure and enconomic situation of the Australian sheep and *beef* **cattle** grazing industry. 031228
Quality in *beef* **cattle**—does it pay? [Price]. 031527
The A. I. [Artificial insemination] industry market potential *[Beef* **cattle].** 031714
Agriculture and the Washington scene *[Beef* **cattle** industry, marketing, outlook]. 031903
Intensification of *beef* **cattle** production by achieving high carcass weights in fattening bulls. 033108
Now! Special forage beef systems for southern cattlemen *[Beef* **cattle].** 033659
Grazing of *beef* **cattle** in the forest combined with pasture. 034270
Demonstrative studies on large-scale farming of *beef* **cattle** in the southern Kyushu District. II. An experiment on fattening steer calves by open-air management. 034348
Poultry waste in a commercial feeding operation *[Beef* **cattle,** dairy cattle]. 034379
Comparison of the digestibility of various sorghum grain varieties *[Beef* **cattle].** 034439
Digestibility of finishing rations containing milled rice or corn *[Beef* **cattle].** 034441
Effect of age and sex on growth rate of *beef* **cattle** fed high roughage rations. 034442
Effect of implanting and reimplanting zeralanol (Raigro) insteers during deferred growing, winter grazing and feedlot finishing programs *[Beef* **cattle].** 034443
Nutrient content and digestibility of permanent pasture *[Beef* **cattle].** 034446
Relationship between nutrition and heredity in swine and *beef* **cattle.** 034447
Beef **cattle** improvement. Lecture delivered Africander Cattle Breeders' gahering, POtschefstroom, May 1975 [Breeds]. 034546
Performance and progeny testing of *beef* **cattle** with special reference to Africander Cattle. 034547
Factors influencing weaning performance in Florida BCIA *[Beef* **Cattle** Improvement Association] herds [Breeds]. 034593
Growth differences between the *beef* **[cattle]** breeds. 034615
Comparisons of Chianina X Hereford and Chianina X Angus heifers *[Beef* **cattle** breeds]. 034720
Effects of pasture management systems and season of breeding on reproductive performance of *beef* **cattle.** 034724
Embryo transplants from exotic breeds [of *beef* **cattle].** 034725
Estrus synchronization and fertility studies [in *beef* **cattle]** at Dean Lee Agricultural Center. 034726
Management practices to improve reproductive performance with artificial insemination in *beef* **cattle.** 034730
Superovulation and embryonic survival rates in *beef* **cattle** [Estrus]. 034736
Discussion: What's expected from *beef* **[cattle]** A. I. [Artificial insemination]? 034781
A new development for a potentially improved anaplasmosis [Anaplasma] vaccine *[Beef* **cattle].** 035143
Effects of vaccination of *beef* **cattle** for anaplasmosis [Anaplasma]. 035144
The use of anthelmintics in rotational grazing coastal Bermudagrass [Cynodon dactylon] for maximum gains *[Beef* **cattle].** 035145
Year round grazing with a *beef* **cow** herd [Pasture management]. 038080
Magnesium supplementation of *beef* **cows** on pasture with mixtures containing different levels of cottonseed meal. 034472
Preweaning maternal heterosis of backcross and three-breed **cross** *beef* dams [Cattle]. 034732
Productivity of straightbred, backcross and three-breed **cross** *beef* dams [Cattle]. 034733
EEC [European Economic Community] forecasts: possible danger of *beef* **deficit.** 031811
Nucleoside diphosphate kinase of *beef* **erythrocytes.** Purification of the phosphorylated form. 033819
Acceptability of grass **fed** *beef* [Feeding, consumer preference]. 034436
Coastal Bermuda [Cynodon dactylon] for grazing and hay production **[Feeding** *beef* cattle]. 034437
Effect of supplemental selenium on performance and deposit of selenium in blood and hair of **finishing** *beef* cattle. 034408
Comparisons of ground and whole shelled corn, roughage supplements and potassium and cobalt additions in **finishing** *beef* steers. 034440
The influence of sodium acetate in rations for **finishing** *beef* cattle. 034448
Now! Special **forage** *beef* systems for southern cattlemen [Beef cattle]. 033659
Better use of **forage** for *beef.* 034351
A comparative evaluation of rapid methods for determining fat content of **ground** *beef.* 033087
Kinetic studies on rat liver and *beef* **heart** mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
Performance and liver copper levels of *beef* **heifers** fed broiler litter. 034477
The effect of steroid hormones on sexual behavior in *beef* **heifers.** 034737
Chlamydiosis in a *beef* **herd.** 035126
Fertility and fertility problems in some *beef* **herds** in Sweden. 034764
Possibilities of **increasing** *beef* production under factory-like conditions through breeding measures. 034578
Studies on the regulation of pyruvate dehydrogenase in **isolated** *beef* heart mitochondria. 033767
Studies on relationship between transferrin type and production traits in **Japanese** *beef* cattle. III. On genetic distribution of transferrin type and hemoglobin type in Japanese beef cattle. 034591
Purification and characterization of *beef* **liver** dihydrofolate reductase. 033765
Proteolytic activity of *beef* **liver** determined by natural substrates labelled with 125I [Iodine isotope]. 034223
The *beef* **market** crisis. 031539
The *beef* **market** crisis. 031540
There is something you can do about *beef* **marketing!** 031720
Effects of elevated temperature conditioning on youthful and **mature** *beef* carcasses. 033088
The vets save our *beef* and **milk,** and the bacon [Veterinarians, livestock diseases, control]. 034953
Fall calving valuable for **Ohio** *beef* herds. 034769
Characterization of the histones of *beef* **pancreas.** 033818
Comparative evaluaton of *beef* and **pork.** 032482
Cooking frozen and thawed roasts: *beef,* **pork,** and lamb cuts. 032640
Economic implications of **producing** *beef* calves with various pasture management systems [Costs, returns]. 031482
The **proposed** *beef* carcass quality grade changes. 032108
Influence of air velocity and temperature on the two-stage cooling of perishable large-sized products *[Beef* **quarters].** 033050
Experiences with **rearing** *beef* cattle in Hungary. 033635
Microbial spoilage of fresh **refrigerated** *beef* liver. 032074
Application of controlled atmospheres containing 20 percent CO2 [carbon dioxide] to the **storage** of *beef.* 033055
Basic investigations into *beef* **tenderness** estimation. 1. Methodological studies on meat tenderness. 033043
The relationship of muscle pH [hydrogen-ion concentration] and *beef* **tenderness.** 033097
Factors affecting *beef* **tenderness** as measured by the Armourtenderometer. 033104
On *beef* **tenderness.** 033109
A 20-year run on tests for early growth, breed mixing for *beef* **tonnage** [Cattle]. 034741
Beef—from **trail** drives to America's main course [Cattle, breeding]. 034870
The fundamentals related to *beef* **transport** [Carcass chilling]. 033405
Changes in the microbiology of **vacuum-packaged** *beef.* 032073
Some metabolic and biochemical characteristics of representative microbial isolates from **vacuum-packaged** *beef* [Food bacteria]. 032076
The bacteriological behavior of *beef,* **vacuum-packed** in bags of differing oxygen permeability, under prolonged refrigerated storage. 033069
Wintergrazing *beef* cattle on Louisiana farms [Labor, management]. 031275
Systems for **wintering** *beef* cows. 033664
Biuret as a source of supplemental nitrogen for **wintering** *beef* cows. 034405
Demand and supply forces in the **world** *beef* market. 031724
Triticale as a grazing crop for **yearling** *beef* steers. 038022

BEEHIVES
Humidity inside the *beehive* and **brood** activity of the honeybee (Apis mellifera L.) in a flight room. 040195
The upper *beehive* **entrance,** an almost unused friend of honeybee. 040182
Beehive **locations** and zoning regulations. II. 040184
Meaning of economic indices **[Multiple-story** *beehives* in apiculture]. 040262

BEEKEEPING
Beekeeping for **beginners.** 040229
Beekeeping for **beginners.** 040294
Role of *beekeepers* in the **district** breeding of bees [Apis mellifera]. 040308
We are because of them. IX. [Apiculturists, *beekeeping* **history,** Europe]. 040206
The effect of environment on *beekeeping* of **Israel.** 040228
Beekeeping in **Missouri.** 040226
Beekeeping in the **Papua** New Guinea highlands. 040227
The *beekeeper's* **part** in producing honey [Apiculture]. 040235
Should there be a warning against large scale **professional** *beekeeping?* 040214
We evaluate the 1975 *beekeeping* **year.** 040309

BEERS
Pasteurization of beer. 2. Determination of furfural, an indicator of intensity of pasteurization and **aging** of *beer.* 032906
Separated fermentation of starch syrup *[Beer* **manufacture].** 032728
Analysis of carbohydrate components of *beer* **wort** from barley malt. 032895

BEES
Allatectomy in **adult** *bee* workers (Apis mellifica). 040288
I'm not afraid of **African** *bees.* 040187
Biological control of the **African-Brazilian** *honeybee* (Apis mellifera adansonii). 040185
Flight behaviour studies on diploid drones of **Africanized** *honeybees,* Apis mellifera adansonii. 040245
Larvae of African **allodapine** *bees.* 2. Braunsapis and Nasutapis (Hymenoptera: Xylocopinae). 040253
Larvae of African **allodapine** *bees.* 3. The genera Allodapula and Eucondylops [New taxa]. 040254
Residues of the insecticides carbaryl and monocrotophos in *honeybee* **[Apis** mellifera] colonies. 039567
Honeybee **[Apis** mellifera] communication. I. 040186
Nectar secretion in cotton flowers and its relation to floral visits by *honeybees* **[Apis** mellifera]. 040188
Contributions to the study of the mating flight of *honeybee* **(Apis** mellifica mellifica L.). 040192
Contributions to the knowledge of the mating flight of the *honeybee* **(Apis** mellifera mellifera L.). 040193
Humidity inside the hive and brood activity by the *honeybee* **(Apis** mellifica L.) in a flight room. 040194
Humidity inside the beehive and brood activity of the *honeybee* **(Apis** mellifera L.) in a flight room. 040195
Influence of genetic variability on thermoregulation in *honeybees* **[Apis** mellifera]. 040196
Proteins of *honeybee* **(Apis** mellifera mellifera L.) hemolymph. I. Larva, pupae and native adults. 040197
Proteins of *honeybee* **(Apis** mellifera mellifera L.) hemolymph. II. Foraging and winter workers. 040198
The proteins of the *honeybee* **(Apis** mellifica mellifica L.) haemolymph. I. Larvae, nymphs and native adults. 040199
The proteins of the *honeybee* **(Apis** mellifica mellifica L.) haemolymph. II. Foraging and wintering workers. 040200
The suitable site for *bees.* II. **[Apis** mellifera]. 040208
The first optic ganglion of the *bee* **[Apis** mellifera]. I. Correlation between visual cell types and their terminals in the lamina and medula. 040216
The foraging distance covered by *honeybees* **[Apis** mellifera, apiculturists, Francois Huber]. 040224
Polyploidy in fat-body of *honeybees* **[Apis** mellifera] duringlarval growth and development. 040249
Twisted and non-twisted rhabdoms and the significance for polarization detection in the *bee* **[Apis** mellifera]. 040252
Vision of the *honeybee* **[Apis** mellifera]. 040265

New information on virus paralysis of *bees* [**Apis** mellifera]. 040272
The hearing of *bees* [**Apis** mellifera]. 040278
Winter hardiness of *bees* [**Apis** mellifera] as a breeding characteristic. 040283
A study of the relationship between *honeybee* (**Apis** mellifera L.) and birdsfoot deervetch (Lotus corniculatus L.). 040285
Role of beekeepers in the district breeding of *bees* [**Apis** mellifera]. 040308
The *bees* (**Apoidea,** Hymenoptera) on alfalfa (Medicago media Pers.) plantations. I. The species composition and variation of flights. 039697
The *bees* (**Apoidea,** Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. 039698
Pollination, the *honeybee* and **associated** problems. 040189
Observations on the behavior of certain ecotypes and hybrids of the Carpathian **bee** *(Apis* mellifera carpatica). 040290
Age-survival curves for workers of two eusocial **bees** *(Apis* mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. 040242
Migration and pollination: the **best** *bees* for the job. 040239
Protection of *bumblebees* **[Bombus]** that build natural nests. 039896
American foul **brood** *[Bees].* 040293
The pollinating efficiency of *honeybee* and **bumblebee** visits to field bean flowers (Vicia faba L.). 040251
Observations on the behavior of certain ecotypes and hybrids of the **Carpathian** *bee* (Apis mellifera carpatica). 040290
Observations on male territories in a **carpenter** *bee,* Xylocopa (Neoxylocopa) hirsutissima Maidl (Hymenoptera, Anthophoridae). 039956
Natural and instrumental insemination of *Apis* **cerana** indicain India. 040247
Ovary development and egg laying in *Apis* **cerana** indica workers. 040248
Formation of the winter **cluster** of *honeybees.* 040300
Reproduction of *honeybees* **colonies** in Siberia. 040275
How we ensured a pollination service [using *honeybee* **colonies]** in Opava. 040303
Influence of biological factors on the development of *honeybee* **colonies.** 040304
Protection of *honeybee* **colonies** from pests. 040306
Change in numerical strength of the *bee* **colony.** IV. Interplay of laying activity of the queen and the emergence rate and longevity of workers (Apis mellifera L.). 040292
Honey from other *bees* **[Composition,** properties]. 032824
Flight behaviour studies on **diploid** *drones* of Africanized honeybees, Apis mellifera adansonii. 040245
Ultrastructural analysis of the freeze-etched spore envelope of the microsporidian, Nosema apis Zander **[Disease** of *honeybee].* 040297
Prophylaxis of Nosema **disease** of *honeybees.* 040311
Effect of protein food on the multiplication of protozoon Nosema apis Z. *[Bee* **diseases].** 040310
Artificial gathering places of **drones** [of *honeybees].* 040268
Age-survival curves for workers of two **eusocial** *bees* (Apis mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. 040242
Disease in queen [honey] *bees* and **events** influencing disease in the family. 040295
Use of invert sugar in *honeybee* **feeding.** 040255
The scent gland in **foraging** *bees* [Apis mellifera]. 040279
The upper beehive entrance, an almost unused **friend** of *honeybee.* 040182
Sex determination in *bees.* IV. **Genetic** control of juvenile hormone production in Melipona quadrifasciata (Apidae). 040225
Mating behavior in **halictine** *bees* (Hymenoptera: Halictidae). III. Copulatory behavior and olfactory communication. 039815
Influence of cotton genotypes on floral visits of **honey** *bees* [Apis mellifera]. 037390
Variability of floral characteristics influences **honey** *bee* [Apis mellifera] visitation to soybean blossoms [Pollination, floral biology]. 037394
Willows (Salix) and their importance for *bees* **[Honey** plants, culture]. 038542
Pollination and the **honey** *bee.* 040260
Chloretracycline in the organism of the *honeybee* **[Honey** contamination with antibiotics]. 040269
Honey *bee* pollination in Manitoba. 040286
Is there a risk with commercial feed [for **honey** *bees?].* 040296
Biological control of the African-Brazilian **honeybee** *(Apis* mellifera adansonii). 040185
Contributions to the study of the mating flight of **honeybee** *(Apis* mellifica mellifica L.). 040192
Contributions to the knowledge of the mating flight of the **honeybee** *(Apis* mellifera mellifera L.). 040193
Humidity inside the hive and brood activity by the **honeybee** *(Apis* mellifica L.) in a flight room. 040194
Humidity inside the beehive and brood activity of the **honeybee** *(Apis* mellifera L.) in a flight room. 040195
Proteins of **honeybee** *(Apis* mellifera mellifera L.) hemolymph. I. Larva, pupae and native adults. 040197
Proteins of **honeybee** *(Apis* mellifera mellifera L.) hemolymph. II. Foraging and winter workers. 040198
The proteins of the **honeybee** *(Apis* mellifica mellifica L.) haemolymph. I. Larvae, nymphs and native adults. 040199
The proteins of the **honeybee** *(Apis* mellifica mellifica L.) haemolymph. II. Foraging and wintering workers. 040200
A study of the relationship between **honeybee** *(Apis* mellifera L.) and birdsfoot deervetch (Lotus corniculatus L.). 040285
Artificial gathering places of *drones* [of **honeybees].** 040268
How *bees* make honey [Apis mellifera]. 040234
A revision of the Australian **hylaeine** *bees* (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, AmphylaeusMichener and Meroglossa Smith [New taxa]. 039990
A revision of the Australian **hylaeine** *bees* (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, Amphylaeus Michener and Meroglossa Smith [New taxa]. 039991
Let us close the discussion on Varroa **infestation** [of *honeybees].* 040261
Heat in the **life** of *honeybees.* 040301
Influence of cotton genotypes on floral visits of honey bees *[Apis* **mellifera].** 037390
Variability of floral characteristics influences honey bee *[Apis* **mellifera]** visitation to soybean blossoms [Pollination, floral biology]. 037394
Residues of the insecticides carbaryl and monocrotophos in honeybee *[Apis* **mellifera]** colonies. 039567
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, *Apis* **mellifera,** Locusta migratoria]. 039795
1974 pollination prevention experiment in fruit culture *[Apis* **mellifera,** wind]. 040183
Honeybee *[Apis* **mellifera]** communication. I. 040186
Nectar secretion in cotton flowers and its relation to floral visits by honeybees *[Apis* **mellifera].** 040188
Influence of genetic variability on thermoregulation in honeybees *[Apis* **mellifera].** 040196
Important and current information on foulbrood and acarine disease [of *Apis* **mellifera].** 040204
The suitable site for bees. II. *[Apis* **mellifera].** 040208
The viruses on the borderline between inanimate and animate nature *[Apis* **mellifera,** diseases]. 040212
Factors influencing ovary development of worker honeybees of European and African origin *[Apis* **mellifera** adansonii, Apis mellifera ligustica]. 040215
The first optic ganglion of the bee *[Apis* **mellifera].** I. Correlation between visual cell types and their terminals in the lamina and medula. 040216
Queen rearing *[Apis* **mellifera,** larvae, introduction]. 040221
Queen rearing *[Apis* **mellifera].** 040222
Queen rearing *[Apis* **mellifera].** 040223
The foraging distance covered by honeybees *[Apis* **mellifera,** apiculturists, Francois Huber]. 040224
Is pure-line breeding or crossbreeding successful? I *[Apis* **mellifera].** 040232
How bees make honey *[Apis* **mellifera].** 040234
Physiological optics of the fused rhabdom *[Apis* **mellifera].** 040237
A method of separating and monitoring honeybee *[Apis* **mellifera]** flight activity at the hive entrance. 040241
Biology of the spermatozoon of *Apis* **mellifera.** I. Influence of diluents and pH [hydrogen-ion concentration]. 040243
Effect of moving honeybee *[Apis* **mellifera]** colonies on their subsequent production and consumption of honey. 040244
Flight behaviour studies on diploid drones of Africanized honeybees, *Apis* **mellifera** adansonii. 040245
Genetic study of aggressiveness of two subspecies of *Apis* **mellifera** in Brazil. 2. Time at which the first sting reached a leather ball. 040246
Polyploidy in fat-body of honeybees *[Apis* **mellifera]** duringlarval growth and development. 040249
Surface electric potentials on worker honeybees *[Apis* **mellifera]** leaving and entering the hive. 040250
Twisted and non-twisted rhabdoms and the significance for polarization detection in the bee *[Apis* **mellifera].** 040252
Feed pollen supplements *[Apis* **mellifera].** 040256
Vision of the honeybee *[Apis* **mellifera].** 040265
New information on virus paralysis of bees *[Apis* **mellifera].** 040272
Selection of Armenian yellow bees *[Apis* **mellifera,** breeding, races]. 040277
The hearing of bees *[Apis* **mellifera].** 040278
The scent gland in foraging bees *[Apis* **mellifera].** 040279
Therapeutic preparations for Varroa disease control *[Apis* **mellifera].** 040280
Variation of external characteristics *[Apis* **mellifera].** 040282
Winter hardiness of bees *[Apis* **mellifera]** as a breeding characteristic. 040283
A new orientation in selection *[Apis* **mellifera].** 040289
How does the bee see? *[Apis* **mellifera].** 040302
Role of beekeepers in the district breeding of bees *[Apis* **mellifera].** 040308
Biology of Melipona beecheii B. (Hymenoptera: Meliponini), a *bee* of **Mexico:** an experimental study of caste determination. 040191
A method of separating and **monitoring** *honeybee* [Apis mellifera] flight activity at the hive entrance. 040241
Effect of **moving** *honeybee* [Apis mellifera] colonies on their subsequent production and consumption of honey. 040244
Two genera of **nomadine** *bees* [Ammobates and Morgania] new to India (Hymenoptera, Apoidea). 040033
Ultrastructural analysis of the freeze-etched spore envelope of the microsporidian, **Nosema** *apis* Zander [Disease of honeybee]. 040297
Effect of protein food on the multiplication of protozoon **Nosema** *apis* Z. [Bee diseases]. 040310
Physico-chemical properties of natural and **paraffin-adulterated** *bee's* wax. 032925
Methods for application of Varoazin [Varroa control, **pests,** *honeybees].* 040263
Naphthaline for Varroa control *[Honeybees,* **pests].** 040264
Pesticides and *bees* **[Poisoning].** 039585
Removal of venom and **productivity** of *honeybees.* 032893
1974 **queen** *bee* utilisation survey. 040259
Our knowledge of *[honeybee]* **queen** breeding. 040305
Drone laying of *[honeybee]* **queens.** 040299
How does the *bee* **see?** [Apis mellifera]. 040302
Stingless *bees* (excl. Tetragonula) from the continental Southeast Asia in the collection of Berince P. Bishop Museum, Honolulu (Hymenoptera, Apidae). 040107
Pollination of fruit **trees** [by *bees].* 037637
The pollinating efficiency of honeybee and *bumblebee* **visits** to field bean flowers (Vicia faba L.). 040251
Influence of sugar food on the quality of **winter** *honeybees.* 040205
Factors influencing ovary development of **worker** *honeybees* of European and African origin [Apis mellifera adansonii, Apis mellifera ligustica]. 040215
Surface electric potentials on **worker** *honeybees* [Apis mellifera] leaving and entering the hive. 040250
A contribution to the study of the length of the poison gland of *honeybee* **workers.** 040284
Allatectomy in adult bee **workers** *(Apis* mellifica). 040288
Change in numerical strength of the bee colony. IV. Interplay of laying activity of the queen and the emergence rate and longevity of **workers** *(Apis* mellifera L.). 040292
Bad years for *honeybees,* **years** of apprenticeship. 040230
Selection of Armenian **yellow** *bees* [Apis mellifera, breeding, races]. 040277

BEETLES

The penetration of females of the fruit **bark** *beetle* Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Study of the diseases of the European elm **bark** *beetle,* Scolytus scolytus F. in the Kosova area, Yugoslavia. 039381
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions [Pine **bark** *beetle,* Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride [Pine **bark** *beetle,* Dendroctonus brevicomis]. 039392
Ipsenol, the population control material for silver fir **bark** *beetle* [Pityokteines curvidens, Coleoptera, Scolytidae]. 039404
Selective production of cis- and trans- verbenol from (-)-and (+)-alpha-pinene by a **bark** *beetle* [Ips paraconfusus]. 039406
Synonymy of **bark** *beetles* XXVI. 318. Morphology and taxonomy of Scolytoidea. 040160
Effects of peapollen feeding on maturation & copulation in the *beetle,* **Bruchus** pisorum L. 039802
Beetles **(Coleoptera)** from nests of small mammals of Donetsk province. 040068
Wing venation of *click-beetles* **(Coleoptera,** Elateridae) and its importance for taxonomy of the family. 040180
Glandular hairs on [the potato] Solanum polyadenium lessen damage by the **Colorado** *beetle* [Leptinotarsa decemlineata]. 039313
Some possible effects of **dung** *beetle* activity on the infestation of pastures by intestinal worm larvae of cattle. 039469
Dung as an insect food source: **dung** *beetles* as competitors of other coprophagous fauna and as targets for predators. 039819
Preamble for symposium on effects of **dung** *beetles.* 039822
The agronomic role of introduced **dung** *beetles* in grazing systems. 039823
Beetles of the **family** rhipiphoridae (Coleoptera) from the fauna of the USSR I. [New taxa]. 040048

On ecological and zoogeographical characteristics of *beetles* of the **family** Coccinellidae (Coleoptera) on the left-bank (eastern) Ukraine. 040071
Ultrastructure of the compound eye of the diploid **female** *beetle,* Xyleborus ferrugineus. 039674
Flea *beetle* [Diamphidia, Polyclada] poison. 039465
The oviposition and development of the **grain** *beetle* Oryzaephilus mercator faur. on dry fruit meals (Coleoptera, Cuciyidae]. 039422
Studies of interspecific competition at early growth stages of a population of **granary** *beetles* (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428
Ground *beetles* in forest shelterbelts. 039868
Appraisal of economic significance of predatory **hister** *beetles:* Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408
Control of **Japanese** *beetle* [Popillia japonica] and European chafer grub [Amphimallon majalis in turf] with Dursban insecticide. 039276
A review of the **leaf** *beetles* of the genus Pachybrachys Redt. (Coleoptera, Chrysomelidae) of Soviet Central Asia and Kazkhstan. 040065
Ecological-geographical review of the fauna of **leaf** *beetles* (Coleoptera, chrysomelidae) in central Kazakhstan. 040173
Two new species of **longicorn** *beetles* [Xylotrechus arnoldii, Asias galusoi] (Coleoptera, Cerambycidae) from Kazakhstan. 040077
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern **pine** *beetle* [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Age-dependent changes in juvenile hormone esterase and general carboxyesterase activity in the hemolymph of the Colorado **potato** *beetle,* Leptinotarsa decemlineata. 039877
A new machine and method for bulk treatment of pulses with grain protectants against **pulse** *beetle* Callosobruchus maculatus fab. (Bruchidae-Coleoptera). 039250
Gene amplification in oocytes of the **rove** *beetle* Creophilusmaxillosus (Staphylinidae, Coleoptera-Polyphaga). 039739
Synthesis of optically active forms of sulcatol. The aggregation pheromone in the **scolytid** *beetle,* Gnathotrichus sulcatus. 039934
The Australian **spider** *beetle* (Ptinus tectus) [Pests of stored products]. 039430
Bark-beetle-fungal **symbiosis.** III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
The morphology of the dorsal and ventral eye of the **whirligig** *beetle* Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). 039953

BEETS

Comparison of the effect of 3 diets **containing** *beets* or beet pulps or maize silage on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Various seed spacings in *beets* **drilled** to a stand. 037593
How to raise the nutritive value of the **fodder** *beet* [Mineral fertilizers]. 041004
Drainage economics [Maize, *beets,* **grass**]. 041465
Some of the **main** *beet* pests [Insects]. 039300
Relationship between root color and economically valuable traits in tetraploid hybrids between sugar and **mangel-wurzel** *beets.* 036468
Several problems of increasing the *beet* **production** in Romania [Seed production]. 038119
Beet **pulp** and dried manure as a nitrogen source (protein) substitute for fattening bulls. 034327
Comparison of the effect of 3 diets containing beets or *beet* **pulps** or maize silage on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Purification and properties of S-adenosyl-L-homocysteine hydrolase from leaves of **spinach** *beet.* 037640
Beet **storage.** 033274
Susceptibility of different variety types of [table] *beet* to **storage** rot [Botrytis cinerea] nicity [Botrytis cinerea]. 038810
Comparison of the interrupted and direct methods of **sugar** *beet* transports. 033138
A few timely questions of **sugar** *beet* production in Hungary. 037999
Activities of specialized **sugar** *beet* producing model farmes in 1974. 038000
Comparative experiments with hereditary monogern **sugar** *beet* strains in 1973 and 1974. 038001
Effect of plant density and row width on yield and quality of **sugar** *beet* drilled to stand. II. Plant spacing by drilling to a stand. 038219
Beet top **utilization** [as animal feed]. 033505
Productivity and feeding value of [sugar and forage] *beet* **varieties** and hybrids. 038062

BEGONIAS

A plant for a contained atmosphere *[Begonia* **prismatocarpa,** culture]. 038404
On the genetics of flower colours in diploid and tetraploid genotypes of *Begonia* **semperflorens** Link et Otto. 036720

BELLIS

Marguerite daisy *[Bellis]* **weed** control trial; progress report. 039120

BELTS

Pork production on **conveyor** *belt.* 040430
Runoff and soil losses from Barnes soils in the northwestern **Corn** *Belt* [Erosion]. 041143
Availability of applied phosphate in the soils of white **sugar** *belt* of North Bihar. 040982
Notes on the methods of *belt* **transect** census of butterflies. 040106

BEMISIA

Occurrence of whitefly, *Bemisia* **tabaci** Genn., on cotton plants in southern Anatolia (Homoptera: Aleyrodidae). 039261
Some aspects of the relationship between mung bean yellow mosaic virus and its **vector** *Bemisia* tabaci. 038912

BENDING

Geometry of *bent* **continuous-filament** yarns. 033106

BENOMYL

Use of *benomyl* in the **storage** of leeks [Fungus diseases]. 038626
Benomyl **tolerance** in Verticillium dahliae [Wilt, strawberries]. 038564
Research on a population of Cercospora beticola Sacc. **Tolerant** to *benomyl.* 038639

BENTHIC

The development of periphyton *[benthic* **algae**] on artificial substrates. 036965
A method for the spectrophotometric measurement of chlorophyll a and pheophytin a in *benthic* **microalgae.** 037086

BENZENE

Assimilation of *benzene* from the **atmosphere** by fruits. 037635
Investigation of *alcohol-benzene* **extracts** from the main soils of North Vietnam. 040844
Changes in the composition of an agrocenose as assessed twenty-two years after treatment with excessive amounts of Verindal F (Streumittel) *[Benzene* **hexachloride**]. 039535

BENZIMIDAZOLES

An isolate of the pear scab fungus, Venturia pirina, tolerant to *benzimidazole* **fungicides.** 038630

BENZOATE

Microbial inhibition caused by *p-hydroxybenzoate* **esters** in wine. 033323
Effects of oestradiol-17beta, **oestradiol** *benzoate* and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal female rat. 034668

BENZOPYRENE

3,4-Benzopyrene **content** of oils and fatts. 032886
The determination of *3,4-benzopyrene* in **smoked** meat products [Contamination]. 032006

BENZOQUINONES

Biosynthesis of firefly [Luciola cruciata] luciferin. Probable formation of benzothiazole from *p-benzoquinone* and **cysteine.** 039675
Nonenzymic browning. XIV. Reaction of phospholipids with 1,4-benzoquinone. XIV. Reaction of **phospholipids** with *1,4-benzoquinone.* 032922

BENZOYL

Improving protease identification in wheat and rye with N **alpha** *benzoyl-L-arginin-4-nitroanilid* (L-BAPA) used as medium. 033232
Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and *1-phenyl-3-benzoyl-2-thioureas* **[Hylenya** platura, control, lima beans]. 039341

BENZYLADENINE

Proline accumulation in flooded and wilted sunflower and the effects of *benzyladenine* and **abscisic** acid. 037384
Incorporation of **cytokinin** *N6-benzyladenine* into tobacco callus transfer ribonucleic acid and ribosomal ribonucleic acid preparations. 037813

BERBERIDACEAE

On the evolution of life forms in the **family** *Berberidaceae* S. L. 036286

BERBERIS

A review on the chemical and pharmacological aspects of **genus** *Berberis.* 037188
Rooting cuttings of Crimson Pygmy Barberry *[Berberis* **thunbergi].** 037834

BERGAMOT

Peroxide index of *bergamot* **essential** oil. 033367
L malic acid in *bergamot* **juice** [Analysis]. 033365

BERMUDAGRASS

The use of anthelmintics in rotational grazing **coastal** *Bermudagrass* [Cynodon dactylon] for maximum gains [Beef cattle]. 035145
Controlling **common** *Bermudagrass* [Cynodon dactylon] in nonproduction areas [around nursery beds]. 039173
Effects of *Bermudagrass* **[Cynodon** dactylon] competition on the establishment and growth of woody plants in the landscape. 036246
Influence of a preservative on *bermudagrass* **hay** stored with approximately 16 and 24 percent moisture content. 033552

BERRIES

A new diglucoside from the **anthelmintic** *berries* of Diospyros Mollis. 037288
Better coffee farming. Control of **coffee** *berry* disease (CBD) [Colletotrichum coffeanum] and leaf rust. 038739
The effect of weather conditions on infection by **coffee** *berry* disease [Colletotrichum coffeanum]. 038740
Quality control of the 1975 wild mushroom and *berry* **crops** in the Bavarian Forest—characteristics of wild raspberry juices. 032049
Investigation of some biochemical indices in **grapevine** *berries* in relation to grafting. 037854
What the 1974 Horticultural Statistics tell about developmental trends in **Norwegian** *berry* culture. 038331
Development of the Finnish fruit, *berry* and **vegetable** processing industry in 1974. 031853
Resources of **wild** *berries* in the trans-Carpathians. 035493
Dynamics of the formation of tannin-like substances in the skin, seeds and juice of the *berries* of some **wine** grape varieties. 037720

BERSEEM

Effect of sources and levels of phosphorus on the yield and quality of *berseem* **[Egyptian** clover]. 040922
During winter **grow** *berseem* [Egyptian clover] in napier bajra [pearlmillet] hybrid. 038125

BERTYA

Crystal structures of (5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione and (5E,12E)-7beta-acetoxybertya-5,12-diene 3,14-dione *[Bertya* **cuppressoidea].** 037025

BETA

Enzymatic destruction of steroids in the process of 11alpha - and *11beta-hydroxylation* of the **21-acetate** of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). 037116
Quantitative determination of alpha- and *beta-bitter* **acids** in hops. 036934
Factors influencing the biosynthesis of *beta-galactosidase* in **Alternaria** tenuis [Fungi]. 037117
Preparation and properties of *beta-galactosidase* from **Alternaria** tenuis [Fungi]. 037227
Radioimmunoassay of arthropod moulting hormone: *beta-ecdysone* **antibodies** production and 125I [iodine isotope]-iodinatedtracer preparation. 039743
Dynamics of the hydrolysis of **barley** *beta-glucan* under the action of various enzyme preparations. 033152
Metabolism of *5beta-pregnane-3,20-dione* and **3beta-hydroxy-5beta-pregnan-20-one** by Digitalis [purpurea] suspension cultures. 037170
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and *beta-lipotropin* on **calcium** and phosphorus metabolism in the rabbit. 033885
Kinetic studies on the hydrolysis of *p-nitrophenyl-beta-D-glucoside* **catalyzed** by beta-glucosidase from sweet almond by means of the stopped-flow method. 033424
Glucanases in Schizosaccharomyces, isolation and propertiesof an *exo-beta-glucanase* from the **cell** extracts and culture fluid of Schizosaccharomyces japonicus var. varsatilis. 036817
Further studies on the peptido-galactomannan from the yeast form of Cladosporium werneckii. Identification of O-acetyl substituents and isolation of the peptide **components** *following-beta-elimination.* 036783
Effect of processing and storage conditions on the stability of chlorophyll and *beta-carotene* **content** of green leafy vegetables available in northern India. 033393
Influence of alpha- and *beta-ecdysone* on the **differentiation** of the imaginal disks of Drosophila melanogaster, culturedin vitro. 039928
Metabolism of 5beta-pregnane-3,20-dione and *3beta-hydroxy-5beta-pregnan-20-one* by **Digitalis** [purpurea] suspension cultures. 037170
Crystal structures of (5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione and *(5E,12E)-7beta-acetoxybertya-5,12-diene* **3,14-dione** [Bertya cuppressoidea]. 037025
Effect of **dl-norgestrel** *(13beta-ethyl-17* alpha-ethynyl-19-nortestosterone, Wy3707) on the reproductive organs of rabbit. 033974
Crystal structures of *(5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione* and **(5E,12E)-7beta-acetoxybertya-5,12-diene** 3,14-dione [Bertya cuppressoidea]. 037025
Synthesis of methyl ester 8,14-seco-delta1,3,5(10), **9(11)-estratetraendiol3,17** *beta-OH-14* by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. 037231
Acropetal transport of **exogenous** *beta-indolyacetic* acid in potato sprouts. 037857
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of **external** *beta-irradiation* and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
The control of **extracellular** *1,3-beta-glucanase* activity in the basidiomycete species QM806 [Fungi]. 037314
Inhibition of bovine factor IXalpha and **factor** *Xalpha-beta* by antithrombin III. 033781
Characters of the staphylococcal **hemolysin** *beta* produced by the causative agent of gangrenous mastitis in sheep. 035220
Beta-phenethylamines and the **isoquinoline** alkaloids [Plants]. 036737
Genetic polymorphism of *beta-caseins* in **Kholmogorsky** cattle. 034810

Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the acid-catalyzed pyrolysis of cellulose and *1,6-anhydro-beta-d-gluco-pyranose* **(levoglucosan).** 035718
Studies on *beta-carotene* and **lycopene** content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids [Tomatoes, breeding]. 036628
Adsorption of **microbial** *beta-amylase* on starch [from soybean, barley, potato]. 033141
Effects of *oestradiol-17beta,* **oestradiol** benzoate and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal female rat. 034668
The partial purification of Clostridium **perfringens** *beta* toxin [Livestock]. 035177
Activity of *beta-glucosidase* in **plants** with different boron requirements [Maize, wheat, beans]. 037578
Peptic peptides from the *beta* **polypeptide** chain of AII component of chicken hemoglobin. 034031
Tryptic peptides from the *beta* **polypeptide** chain of AII component of chicken hemoglobin. 034033
Peripheral plasma levels of *oestradiol-17beta* and **progesterone** in the bitch during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. 034687
11beta-hydroxylation of **progesterone** with Curvularia lunata[Fungi]. 036997
Nutritive value of dried sugarbeet **pulp** *(Beta* saccharifer) [Buffalo bulls]. 034391
Beta-adrenergic **receptors** in vas deferens of guineapigs. 033968
Beta-sitosterol from **Rhododendron** caucasicum Pall stems and leaves. 037268
Isolation of **s-butyl** *beta-D-glucopyranoside* from Acripeza reticulata. 039629
Kinetic studies on the hydrolysis of p-nitrophenyl-beta-D-glucoside catalyzed by *beta-glucosidase* from **sweet** almond by means of the stopped-flow method. 033424
Separatian of the components of *beta-glucosidase* from **sweet** almond of the gel filtation. 033425
Beta-phenethylamine and **tetrahydroisoquinoline** alkaloids from the Mexican cactus Dolichothele longimamma. 037062
17-beta-estradiol and **transportation** of alpha-amino-isobutyric acid in chicken's liver sections. 033884
Investigation of interrelationship between the inhibitory activity of milk with different *beta-lactoglobulin* **types** and the resistance of cows to mastitis. 034627
Intercellular spaces of storing parenchyma studied by electron microscopy in *Beta* **vulgaris** [Sugarbeets]. 037428

BETALAINS

Betalains **[Cell** sap pigments confined to Centrospermae]. 036792

BETULA

Effects of crown release and fertilizer on small saw log-sized yellow birch *[Betula* **alleghaniensis].** 041114
The ecology of flowering and pollination of *Betula* **nana** in the polar Urals. 037897
Absolute and relative pollen diagrams from northernmost Fennoscandia [Vegetation history, *Betula,* **Pinus].** 036008
Cherry leaf roll virus causing a disease of *Betula* spp. In the **United** Kingdom. 038901
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and birch *[Betula* **verrucosa]** leaves to detect "hidden" fluorine injury. 038973
Brown rot [Piptoporus betulinus] of *[Betula]* **wood** as a model for studies of lignocellulose humification. 035700
Some physical properties of birch carbonized in a nitrogen atmosphere *[Betula,* **wood].** 035899

BEVERAGES

Composition of **acid** *beverage* floc [Processing sugarcane]. 033163
Alcoholic *beverage* processes [Wort, hops, malt, wine, spirits]. 032817
Soy-ogi: protein fortified Nigerian **maise** *beverage.* 032674
ARA vends nutritious foods and *beverages* in 2 **N.J.** High schools. 032559
A new Illinois **soybean** *beverage:* tasty, smooth, nutritious, and economical. 033240
Recent trends in vending [Food and *beverage* **vending** machines]. 031676

BIBLIOGRAPHIES

A *bibliography* of the **alfalfa** weevil, Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). Supplement III. 039264
Annotated *bibliography* on low pressure (hypobaric) storage, 1968-1973 [Fruits]. 033444
Annotated *bibliography* on the use of light (UV [ultraviolet], visible and IR [infrared]) in assessing the quality, maturity or defects in fruit and vegetables, 1967-1974. 033445
Cryptogamae exsiccatae, an **annotated** *bibliography* of Exsiccatae of Algae, LIchenes, Hepaticae, and Musci. V. Unpublished exsiccatae. I. Collectors. 035925
Annotated *bibliography* on fenugreek (Trigonella foenum-graecum), 1969-1975. 038446
Annotated *bibliography* on vegetative propagation of bananas, 1960-l974. 038447
Annotated *bibliography* on substrates and nutrients for orchid culture including references to seed germination, 1969-1974. 038448
Annotated *bibliography* on transplanting mature trees, 1932-1975. 038449
Annotated *bibliography* on mushroom culture in countries with warm climates, 1971-1975. 038450
Current literature on phytopathological morphogenesis and cecidology an **annotated** *bibliography.* 039033
An **annotated** *bibliography* of the dark-sided cutworm, Euxoa messoria (Harris) [Horticultural plants]. 039361
Annotated *bibliography* on the use of bark in growing media, 1963-1974 [Composts]. 041060
Annotated *bibliography* on rose nutrition, including supplementary CO2 [carbon dioxide], 1970-1975. 041061
Bibliography of the **basic** works on soil science of I. P. Gerasmov. 040599
Bibliographic **control** of USDA—owned [agricultural] library materials. 031002
Bibliographical **control** of horticultural catalogs. 038227
Bibliography of **distribution** maps of fungi. V. Lower fungi (Phycomycetes) 1941-1974. 036005
Bibliography of the **international** literature on sweet cherries. 2. 038244
A *bibliography* on the **pear** psylla, Psylla pyricola (Homoptera: Psyllidae). 039321
Bibliography **[Plants,** physiology, biochemistry, diseases, equipment, anatomy]. 035927
Insect mycophagy: a **preliminary** *bibliography* [Fungi, insectvectors]. 038827
Available publications of USDA's Agricultural Marketing **Service** *[Bibliographies].* 031020
Host range of the black cutworm [Agrotis ipsilon] on **vegetables:** a *bibliography.* 039322

BICOLOR *see* COLOR

BIFIDOBACTERIUM

Bifidobacterium as an **indicator** of faecal pollution in water. 041630

BILATERAL

Bilateral **cryptorchidism** in a bull [Clinical and anatomicalobservations]. 033874
Bilateral **optic** nerve hypoplasia in a pup [Dogs]. 035341

BILE

Micellar solubilization of fatty acids in aqueous media **containing** *bile* salts and phospholipids [Sheep, feeding]. 034346
Characteristics common to choleretic increments of *bile* **induced** by theophylline, glucagon and SQ-20009 in the dog. 034150
Biliary **lipids** and cholesterol gallstone formation [Nutrition and metabolic diseases]. 032165
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of fatty acids in the presence of *bile* **salts** [Sheep, feeding]. 034345

BILLBUGS

Differential reaction of Kentucky bluegrass [Poa pratensis] cultivars to the **bluegrass** *billbug,* Sphenophorus parvulus Gyllenhal. 039273
Bluegrass *billbugs* [Sphenophorus parvulus] and their control. 039358

BINS

Amnesty *bins,* a valuable adjunct to quarantine inspections [Animal and plant products]. 031946

BIOACTIVATION

Photochemistry of *bioactive* **compounds:** a review of pesticide photochemistry. 039527

BIOASSAY

Simple extraction and *bioassay* of the **female** sex pheromone of the citrus mealybug, Planococcus citri. 039315
A comparative study of preparations of ovine luteinizing hormone by *bioassay,* **immunodoublediffusion,** radioimmunoassay, radioreceptor assay and polyacrylamide gel electrophoresis. 033704
Nutritional *bioassay* of wheat grain for a wheat breeding program. 032303
Complex method for determining natural [plant] growth **regulators:** *biotests.* 036937
Bioassays in **weed** research [Herbicides, pollution]. 039189

BIOCHEMISTRY

A principal components analysis of some *biochemical* **activities** in a climosequence of soils. 040793
Biochemical **activity** of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. 040811
Some *biochemical* **alterations** in sheep pox infected lamb testicular cells. 035076
A contribution to the biogenesis and *biochemistry* of the **antimicrobial** activity of the essential oils of onions (Alliumcepa L.). 037823
Genetical and *biochemical* **aspects** of resistance to p-fluorophenylalanine in Saccharomyces cerevisiae [Yeasts]. 036565
Morphological and *biochemical* **blood** changes in cows chronically exposed to strontium 90. 034243
Effects of gibberellic acid and maleic hydrazide on **certain** *biochemical* indices of Scenedesmus obliquus [Algae]. 037274
Biochemical **changes** in a resistant and susceptible variety of watermelon due to infection by Alternaria cucumerina. 038675
Physiological and *biochemical* **changes** in tobacco plants after their inoculation with potato Y virus (Solanum virus 2 Smith). 038898
Biochemical **changes** in leaves of different rice varieties due to tungro virus infection. 038908
Some metabolic and *biochemical* **characteristics** of representative microbial isolates from vacuum-packaged beef [Food bacteria]. 032076
Biochemical **characteristics** of the outer membranes of plant mitochondria [Mung beans, potatoes]. 037650
Biochemical **characteristics** of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
Comparative *biochemistry* of Antarctic proteins [Penguins and fish, potential utilization]. 032195
Comparative *biochemical* study of maize and its wild relatives (Enchlaena, Tripsacum, Coix). 037567
The **comparative** *biochemistry* of invertebrate mucopolysaccharides. V. Insecta (Calliphora erythrocephala). 039685
Biological and *biochemical* **considerations** in the use of selective and nonselective fungicides. 038638
Biochemical and **cytological** studies of mitochondrial development in chloramphenicol-induced rice coleoptiles. 037360
The **developmental** *biochemistry* of cotton seed embryogenesis and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. 037364
Biochemical **differences** between the fed and white meat of tuna and changes in quality during freezing and storage. 032792
Bibliography [Plants, physiology, *biochemistry,* **diseases,** equipment, anatomy]. 035927
Biochemical **effects** of bromelins. Their therapeutic use [Metabolites of fruits]. 033371
Problems of *biochemistry* of **[fungal]** pathogenesis and immunity in plants. 038807
Biochemical and **genetical** basis for the temperature sensitivity of photosynthesis and growth in chilling-sensitive plants. 036968
Biochemical **genetics** of insecticide resistance. 039201
Phylloxera vitifolii research and *biochemistry* [**Grape** pests]. 039337
Influence of an anti atherosclerotic diet containing a protein enrichment agent on the *clinico-biochemical* **indices** in patients with Ischemic heart disease. 032488
Investigation of some *biochemical* **indices** in grapevine berries in relation to grafting. 037854
Biochemistry of **insect** flight. 1. Utilization of fuels by muscle. 039770
Biochemical **investigation** of peat humic acids. 040812
Biochemistry of **livestock.** 14. 033736
Biochemical **method** of disinfection and utilization of swine manure. 041117
Biochemical **nature** of boron toxicity in groundnut. 039000
Biochemical and **nutritional** evaluation of various treatments of cereals [Feeds]. 033545
The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep **[Nutritional** *biochemistry].* 034347
Problems of breeding barley with a high lysine content in the light of genetic, *biochemical* and **nutritional** studies. 036616
Variations of *biochemical* **oxygen** demand and dissolved oxygen in a steady stream by integration of a hyperbolic differential equation [Water pollution]. 041485
A simple system for the measurement of the *biochemical* **oxygen** demand of an effluent sample [Dairy industry]. 041615
Sugar and honey types [Plant **physiology** and *biochemistry].* 036803
Biochemical **properties** and ultrastructure of protein bodies isolated from selected cereals. 033200
Physiological-biochemical **properties** of lactic acid bacteria of haylage. 033575
Studies on heifer mastitis. II. *Biochemical* **properties** and microbiological findings of exudates from normal and mastitic udders of the heifer. 035012
Biochemical **roles** of selenium and vitamin E in prevention of exudative diathesis in chicks. 035323
Some aspects of *biochemistry* in **silage** fodder. 033574
Genetic and *biochemical* **studies** of acid phosphatases in yeast Saccharomyces cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. 036516
Biochemical **studies** of algal-bacterial symbiosis in high-rate oxidation ponds with varying detention periods and algae. 036790
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. *Biochemical* **studies** in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
An election-microscopic and *biochemical* **study** of the spheroplasts of the blue-green alga Anabaena variabilis. 037114
A *biochemical* **study** of tobacco blue mould [Peronospora tabacina] pathogenesis. VI. On some resistance factors. 038606
Functional and *biochemical* **tests** for the assessment of vitamin nutritional status. 032284
Palaeotemperatures from tree rings and the D/H [deuterium/hydrogen] ratio of cellulose as a *biochemical* **thermometer** [Pinus radiata]. 035838
Some *biochemical* **values** in pigs. 034233

BIODEGRADATION

Biodegradation of **litter** in Eucalyptus pauciflora communities. I. Techniques for comparing the effects of fungi and insects. 036248
Hydrolyzable and nonhydrolyzable 3,4-dichloroaniline-humus complexes and their respective rates of *biodegradation* **[Phenylamide** herbicides, residues in soils]. 039560

BIOECOLOGY
Bioecological **fertility** of Italian soils. 3. Study of the agronomic profiles of the plains. 040662

BIOELECTRIC
Bioelectrical **properties** of secretory cells. 033949

BIOGENESIS
Oxidative deamination of *biogenic* **amines** by intestinal amine oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. 033921
A *biogenetic-type* **approach** to homoerythrina alkaloids [of Cephalotaxus harringtonia]. 037060
A contribution to the *biogenesis* and **biochemistry** of the antimicrobial activity of the essential oils of onions (Alliumcepa L.). 037823
Chloroplast *biogenesis*. Biosynthesis and accumulation of protochlorophyll by isolated etioplasts and developing chloroplasts [Cucumbers]. 037638
The biosynthesis of plastid membrane system proteins during the *biogenesis* of **chloroplasts** [Maize]. 037396
Contribution to the explanation of the *biogenesis* of **cyanogenic** glucosides [in trefoil and flax]. 037501
Biogenesis of **mitochondria.** 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Isolation of mitochondria and techniques for studying **mitochondrial** *biogenesis* in yeasts [Saccharomyces cerevisiae]. 036586
Structural organization of chloroplast polyribosomes in connection with *biogenesis* of **thylakoids** of grana [Peas]. 037681

BIOGEOCHEMISTRY
Biogeochemistry of **humic** compounds. 040620

BIOGEOGRAPHY
Proposals on the classification and nomenclature of ranges *[Biogeographical* **regions,** entomology]. 040072

BIOGRAPHY
Emile Naslin (1870-1975) **[Agriculture,** *biographies].* 030994

BIOLOGISTS
Peri-urban forests, a dream or reality? **Words** of a *biologist.* 035501

BIOLOGY
Proteins of poultry blood at different ontogenetic periods and in connection with the use of *biologically* **active** substances. 033991
The disturbance of physiological gradient of flowering in the photoperiodically neutral species by means of ringing and *biologically* **active** substances [Tobacco]. 037397
Synthesis and *biological* **activity** of some cystine peptides from the active center of the basic trypsin inhibitor from bovine organs (Kunitz-Inhibitor). 033922
Effect of improvement cutting of young stands of Pinus nigra caramanica on *biological* **activity** of soil. 035594
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its *biological* **activity** towards the plant pathogenic fungus, Phytophthora cinnamomi]. 037180
Injury and size of barley seed as affecting its *biological* **activity.** 037553
Overcrowding factors of mosquito larvae. VII. Preparation and *biological* **activity** of methyloctadecanes and methylnonadecanes against mosquito larvae [of Culex pipiens quinquefasicatus]. 039468
The effect of development of podzolic soils on the Kola Peninsula on their nitrogen regime and *biological* **activity.** 040563
Morphological and *biological* **adaptations** of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Mineral fertilizers and *biological* **agriculture.** 041077
Statistical considerations in **assessing** *biological* effects of aquatic industrial effluents. 041584
Biological **avalanche** and torrent prevention by timely protective forest care. 035516
Biological and **biochemical** considerations in the use of selective and nonselective fungicides. 038638
Breeding *biology* of Coprinus species in the section Lanatuli [Fungi]. 037316
The *biology* of **cereal-cyst** nematode, Heterodera avenae in India. I. Effect of moisture and temperature on the survival of cyst contents. 039004
Influence of Triticum timopheevi Zhuk cytoplasm on **certain** *biological* and agronomic characters and qualities of winter soft wheat [Breeding]. 036475
Biological **changes** in the rhizosphere of wheat after foliar application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. 037435
Studies on some *biological* **characters** of equine herpesviruses. 035222
Testing the influence of centrifuging silkworm eggs on some *biological* **characters** and technological qualities of silkwork (Bombyx mori L.) cocoons. 040312
Biological and **chemical** control [of horticultural plant pests]. 039071
Biological, **chemical,** and other factors influencing strategies for selective weed control. 039132
The *biological* **clock** of insects. 039912
Field tests using a granulosis virus to control the codling moth (Laspeyresia pomonella (L.) [Apple pests, *biological* **cntrol].** 039370
Study of *biological* and **commerical** properties of new winter soft wheat varieties developed by interspecific hybridization. 038179
Efficacy of certain chemical and *biological* **compounds** for control of odor from anaerobic liquid swine manure. 041603
Biology **of conidia,** ascospores, and microsclerotia of Calonectria crotalariae in soil [Black rot, papayas, Metrosideros collina, Acacia koa]. 038763
Research on the *biology* and **control** of insect pests in horticulture and viticulture. 037741
The effects of soil-borne microorgaisms on the germination of chlamydospores of Tilletia caries and Tilletia foetida [Potential for the *biological* **control** of bunt]. 038811
Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, *biological* **control].** 038814
Biological **control** of plant diseases. 039008
Candidates for the *biological* **control** of Solanum elaeagnifolium Cav. (Solanaceae) in South Africa. 1. Laboratory studies on the biology of Gratiana lutescens (Boh.) and Gratiana pallidula (Boh.) (Coleoptera: Cassididae). 039139
Texas research taps insects for brush and weed control *[Biological* **control].** 039180
Phoresy among entomophagous insects *[Biological* **control].** 039204
Structure of an insect virus [Trichoplusia ni, Pseudoplusia includens, Autographa californica, *biological* **control].** 039217
After-effect of Bacillus thuringiensis preparations on the development of [insect] pests *[Biological* **control].** 039243
Natural enemies used to fight insect ravages *[Biological* **control,** Aphytis maculicornis, Bacillus thuringiensis]. 039246
Bacillus thuringiensis preparations harmless to the parasite Trichogramma cacoeciae (Hymenoptera, Trichogrammitidae) [Plant insect pests, *biological* **control].** 039247
Starling (Sturnus vulgaris L.) predation on grass grub (Costelytra zealandica (White), Melolonthinae) populations in Canterbury *[Biological* **control].** 039295
Can the cabbage leaf louse be controlled on autumn rape? [Diaeretiella rapae, *biological* **control].** 039303
Filth fly [Musca domestica] sources in decaying melon fields in southern California's low deserts [Spalangia, *biological* **control].** 039323
Metarrhizium anisopliae (Metch.) Sorokin on Brinjal mealy bug [Centrococcus insolitus] and its use in the *biological* **control** of the pest. 039328
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. **iranensis** (Coleoptera: Coccinellidae) *[Biological* **control** of pests of date palms]. 039333
Use of Trichogramma and Entobakterin for *[biological]* **control** of the codling moth [Carpocapsa pomonella, pest of apples]. 039368
Remarks on the *biology* and **control** of Hylecoetus dermestoides L. (Coleoptera, Lymexylonidae) against the background of observations made during 1953-1973 in the Rogow Experiment Forest of the Agricultural University in Warsaw. 039393
The effect of Dendrobacillin on insect and arachnid fauna of oak forests of the trans-Carpathian region [Forest pests, *biological* **control].** 039394
Control of the forest tent caterpillar [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, *biological* **control].** 039403
An analysis of feeding in Cheyletus eruditus a predator of storage mites [Acarus, *biological* **control].** 039415
Significant recent advances in *biological* **control** of vector insects [Pests of livestock and man]. 039439
Resistant cattle for *biological* **control** of cattle tick [Boophilus microplus]. 039440
Insect mycoses and their importance in the *[biological]* **control** of biting flies [Livestock pests]. 039515
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland *[Biological* **control** of Sirex noctilio]. 039705
Biological **control** of the African-Brazilian honeybee (Apis mellifera adansonii). 040185
Newly allowed plant protection products and means for **controlling** *biological* processes in horticulture. 038982
An entomological contribution to the problem of fly-infected meat. A few *biological* **data** on Piophila and Calliphora. 031996
Nitrogen removal by *biological* **denitrification.** 041639
125I [iodine isotope] radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH [bovine parathormone] with high specific activity and without **destroying** *biological* activity. 034122
Methods for **determining** *biological* energy balances of soil organic matter. 040828
Experiments to **develop** *biological-technical* feeding systems to control fermentation in the forestomach. 034336
Timber: *biological* and **economic** potential. 035862
Biological **effect** of some alcohols isolated from essential oils [of Scenedesmus acutus, Algae]. 037252
Changes in the *biological* **effectiveness** of androgens after the exposure of cockerels to lindane. 035451
The effect of lindane on the *biological* **effectiveness** of estradiol in chickens. 035453
The *biological* **effects** of polyunsaturated fatty acids. 032212
Comparison of the *biological* **effects** in rat of high doses of two 4-amino-7-chloroquinoline derivatives chloroquine and glafenine. 035392
Recent studies on *biological* **effects** of crude oils and oil-dispersant mixtures to Red Sea macrofauna [Water pollution]. 041508
Phytotoxicity and *biological* **efficacy** of fungicides with special consideration to the technique of application [Grapes]. 038637
Impact of man on *biological* **equilibrium** [Natural resources]. 041477
Influence of *biological* **factors** on the development of honeybee colonies. 040304
Investigations on the *biological* **features** of eight raspberry varieties under the Troyan microregion conditions. I. Dynamics of growth. 037722
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to soybean blossoms [Pollination, **floral** *biology].* 037394
Inquiries on the **flower** *biology* of the Burmosa plum and of some varieties pollinating it. 037838
Data on the **flowering** *biology* of male sterile wheat. II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. 037491
The effect of pre-irradiation of seeds with gamma-rays on *biology* and **fruitfulness** of cucumbers. 037827
Notes on the *biology* and **geographical** distribution of spiders of the genus Loxosceles. 039992
Candidates for the biological control of Solanum elaeagnifolium Cav. (Solanaceae) in South Africa. 1. Laboratory studies on the *biology* of **Gratiana** lutescens (Boh.) and Gratiana pallidula (Boh.) (Coleoptera: Cassididae). 039139
The *biology* of **Harveyella** mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the parasitic red algae, Harveyella mirabilis. 036112
On the *biological* **indication** of odour [Animal behavior]. 034187
Evaluation and interpretation of diversity measures as *biological* **indices** of pollution and/or environmental change in aquatic systems. 041572
Genetic problems in the production of *biological* **[insect** pests and weeds] control agents. 039202
The IBP **[International** *Biological* Programme] Tundra Biome—an introduction. 036204
Physical and *biological* **interrelationships** in a complex coastal zone [Sewage discharge]. 041581
The *biology* of **ixodes** (Ceratixodes) uriae White, 1852 in Newfoundland. 039603
Active sites of *biological* **macromolecules** and their interaction with heavy metals. 035406
Usefulness of [poplar] cuttings in the *biological* **management** of coal mine dumps [Afforestation]. 035691
Importance of zinc and its detection in *biological* **material** [Animals, physiology]. 034231
The optimization of conditions for determining iodine [content] by a kinetic rhodanine-nitrite method [in *biological* **materials].** 036735
Effects of trace minerals on *biological* **mechanisms.** 032236
Biology of **Melipona** beecheii B. (Hymenoptera: Meliponini), a bee of Mexico: an experimental study of caste determination. 040191
Prospects of the use of achievements of **molecular** *biology* in agriculture [Plant breeding]. 036653
Instrumentation for *biological* **monitoring** of industrial wastes. 041576
Study of the self-diffusion of water in *biological* **objects** by the method of nuclear spin echo using pulse gradient of the magnetic field [Plants, mice]. 033879
Some taxonomical and *biological* **observations** of the aphids caught on the vegetables in autumn season. 040000
Modelling influent BOD *[biological* **oxygen** demand] data for a sewage treatment plant. 041577
The *biology* and **pathogenicity** of fungi causing moulds on avocados after harvest. 038623
Some observations on the *biological* **performance** of Pyrethrum based mosquito [Aedes aegypti] coils. 039508
The *biology* of **plant** phenolics. 037285
Biology of **Plecoptera.** 039617
Biological **potential** for the loblolly pine [Pinus taeda] ecosystem east of the Mississippi River. 036252
Studies on the *biology* of the **predaceous** mite Cunaxa capreolus Berl. (Acari, Prostigmata, Cunaxidae). 039208
Some laboratory observations on the *biology* and **predaceous** activities of the mite Pyemotes ventricosus Newport (Acarina: Pyemotidae) [Storage pests]. 039411
Biological **principles** of the formation of the type of dairy cattle for enterprises and farms with industrial technology [Breeding]. 034804
New for the flora of the North Vietnam species of the genus Schefflera Forst. et Forst. f. from the subsection Octophyllae Tseng et Hoo and some **problems** of their *biology.* 035977

Effect of ultrasonic waves on the *biological* **properties** of bakers' yeast [Saccharomyces cerevisiae]. 032717
Biological **properties** of honey. 032822
Kinetic and *biological* **properties** of trehalose phosphate synthase from Neurospora crassa [Fungi]. 037307
Studies on physicochemical and *biological* **properties** of two ungrouped arboviruses: Minnal and Arkonam [Isolated from Culex vishnui and Anopheles subpictus]. 039464
New data on the *biology* of **Psylla** pyrisuga Forst. (Homoptera, Psylloidea) from the Crimea. 039716
Parasite problems in the *biological* **regulation** of mass increase of forest insects. 039376
Reproductive *biology* and gametophyte morphology of Acrostichum danaeifolium from Mexico [Pteridophyta]. 036263
Slime moulds [Acrasiales, Myxomycetes] in *biological* **research.** 037256
Progress of *biological* **sciences** and development of selection [Plants]. 036374
A *biological* **screen** of selected species of the genus Euphorbia for skin irritant effects. 037186
Observation on the *biology* and **seasonal** abundance of an encyrtid wasp [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. 039483
Investigations on the *biology* of **seed** germination of Agrostis capillaris L. and Festuca fallax Thuill. from grass coenoses on the Vitosha mountain. 037409
The *biological* **significance** of PGO [ponto-geniculo-occipital] spikes in the sleeping cat. 033712
Effect of the repeated liming on **soil** *biological* activity. 040843
Biology of the **spermatozoon** of Apis mellifera. I. Influence of diluents and pH [hydrogen-ion concentration]. 040243
Biological **stabilization** of wines. 033327
Biological **structure** of poultry meat frozen in liquid nitrogen and in air. 033122
About the ways, directions and evolutionary importance of the reduction of *biological* **structures** [Parasitic Angiospermae]. 035913
Biological **studies** on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, Iris and Crocus. 039013
Transformation and excretion of drugs in *biological* **systems.** XI. Renal excretion mechanisms of sulfonamides in rabbits. 033862
Materials concerning the morphology, *biology* and **taxonomy** of some species of Phytomyza Fallen (Diptera, Agromyzidae). 039994
Biological **test** of fodder quality after pasture fertilization experiments. 034506
Methods of evaluation of durability of soil-applied herbicides by a *biological* **test.** 039155
Biological **testing** of food grown in the Transkei [Rats]. 032010
The *biological* **transformation** of soluble humic substances in Tjeukemeer, the Netherlands: a preliminary report. 041286
Biological **value** and nutritional aspects of animal and plant proteins [Human nutrition]. 032172
Effect of germination on the *biological* **value,** digestibility coefficient and net protein utilization of some legume proteins. 032408
Differences in the chemical composition of meat and its *biological* **value** in the hybrids Hybro B, Ross and Hubbard [Poultry]. 033136
Occurrence and *biology* of **Vibrio** parahaemolyticus [Food poisoning, Japan]. 032115
Biotic interference with insect imported for *[biological]* **weed** control. 039098
Materials on the *biology* of **xylophile** staphylinids (Coleoptera, Staphylinidae) from the southern part of Maritime Territory [USSR]. 039714

BIOMASS

An evaluation of ATP [adenosine triphosphate] estimations of **bacterial** *biomass* in the presence of phytoplankton [Algae]. 037087
Study of *biomass* and **caloric** value of the soil nematode population in hornbeam-oak [Carpinus, Quercus] forest in Bab. 040569
Effect of the chemical nature of the carbon source on the *biomass* **composition** [Candida tropicalis, Candida utilis, Trichosporon cutaneum, yeasts]. 037217
The relationship between site condition and circulation of nutrients in forest ecosystem. III. Above **ground** *biomass* and nutrient contents of stands. 036229
Changes in the activities of enzymes and the protein content of yeasts [Candida guilliermondii] in relation to the residual hydrocarbon **levels** in the *biomass.* 036769
The influence of tidal flux on **microbial** *biomass* in salt marsh creeks [Distribution and ecology of estuarine plants andanimals]. 036234
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on *biomass* **production** of corn grains (Zea mays L.) [Maize, pests]. 039015
Production and dynamics of salt marsh vegetation and the effects of experimental treatment with sewage sludge. *Biomass,* **production** and species composition. 040996
Biomass **producton** [for food and feed] on various substrates using microbiological processes. 037083
The *biomass* of the **root** systems of the pine and oak in the Kampinos National Park [in the association Vaccinio myrtilli-Pinetum typicum]. 037909

BIOMEDICINE

Reproduction of wild-caught and laboratory-born marmoset species used in *biomedical* **research** (Saguinus sp, Callithrix jacchus) [Animal models]. 034713
The breeding and utilization of baboons for *biomedical* **research** [Laboratory animals]. 034714

BIOMETRICS

Introduction into the *biometry* of **animal** experiments. 033755
Histochemical and *biometrical* **comparison** of the peroneus longus muscle and its innervation in Gallus gallus and Coturnix coturnix japonica [Chickens, quail]. 033699
Special considerations on the *biometric* **evaluation** of tests with crop protection agents. 039083

BIONOMICS

Bionomics of the **anthonomine** weevils [Anthonominae, pests of fruits]. 039317
Bionomics and **management** of Rhagoletis [Fruit pests]. 039618
Studies on the *bionomics* of **mermithid** [Neomesomermis flumenalis]. 039666

BIOPHYSICS

Further investigations on *biophysical* **factors** and their effects on Lymantria monacha L. (Lepidoptera, Lymantriidae) [Forest pests]. 039380
Biophysical **land** classification schemes: a review of their relevance and applicability to agricultural development in the humid tropics. 031201

BIORHYTHM

Biorhythm **disturbances** and the life span of some insects. 039958

BIOSYNTHESIS

Chloroplast biogenesis. *Biosynthesis* and **accumulation** of protochlorophyll by isolated etioplasts and developing chloroplasts [Cucumbers]. 037638
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during pyrrolizidine **alkaloid** *biosynthesis* [in Senecio by double-isotope technique]. 037161
Biosynthesis of the **allylphenols** eugenol and methyleugenol in Ocymum basilicum L. 036866
Regulation of *biosynthesis* of **amylolytic** enzymes from Endomycopsis fibuligera str. 20-9 [Yeasts]. 037228
Studies on the *biosynthesis* of **aspergillin** by Aspergillus niger [Fungi]. 036778
Biosynthesis of **basement** membrane collagen by rabbit corneal endothelium in vitro. 034037
Factors influencing the *biosynthesis* of **beta-galactosidase** in Alternaria tenuis [Fungi]. 037117
Chemical alteration of **carotene** *biosynthesis* in Phycomyces blakesleeanus [Fungi] and mutants. 036775
Genetic control of **chlorophyll** *biosynthesis* and formation of its forms in vivo. 036543
The metabolic and epigenetic control of **chlorophyll** *biosynthesis.* 036975
The relationship of **chlorophyll** *biosynthesis* to protein and RNA synthesis in greening and green leaves. 036977
Effect of streptomycin on **chlorophyll** *biosynthesis* in wheat seedlings. 037581
Analysis of changes in **collagen** *biosynthesis* that occur when chick chondrocytes are grown in 5-bromo-2'-deoxyuridine. 034144
Cysteine *biosynthesis* in Aspergillus nidulans. 036726
Carotenoids, aspects of *biosynthesis* and **enzymology** [Plants]. 036793
Biosynthesis of **firefly** [Luciola cruciata] luciferin. Probable formation of benzothiazole from p-benzoquinone and cysteine. 039675
Enzymology of **flavonoid** *biosynthesis* [Plants]. 036797
Cyclization and hydroxylation stereochemistry in the *biosynthesis* of **gibberellic** acid [by Gibberella fujikuroi]. 037160
Biosynthesis of **keto-carotenoids** in Dictyococcus cinnabarinus. 036766
Influence of substrate n-alkane composition on **lipid** *biosynthesis* by the yeast Candida guilliermondii [Animal feed, industrial fats]. 033502
Some physical characteristics of the enzymes of **L-tryptophan** *biosynthesis* in higher plants [Peas and maize compared to fungi and algae]. 037204
Alpha-glucose 1-phosphate, a precursor in the *biosynthesis* of **maltose** in higher plants [Gentiana lutea, spinach, Acer pseudoplatanus]. 037303
Effect of ricin on *biosynthesis* of **myeloma** protein (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 cells [Castorbeans]. 037361
Biosynthetic **pathway** of cucumber alcohol: trans-2,cis-6-nonadienol via cis-3,cis-6-nonadienal. 037804
Enzymes of **pentose** *biosynthesis.* The quaternary structure and reacting form of transketolase from baker's yeast [Saccharomyces cerevisiae]. 036781
Optimization of the nutrient medium for the *biosynthesis* of **phytotoxic** metabolites of Myrothecium verrucaria VKMF-183 [Soil fungi]. 040754
Determination of the 'starter' acetate unit in the *biosynthesis* of **pinidine** [Pinus jeffreyi]. 037938
Biosynthesis [**Plant** alkaloids]. 036738
The *biosynthesis* of **plastid** membrane system proteins during the biogenesis of chloroplasts [Maize]. 037396
Procollagen *biosynthesis* and polyribosome-membrane interactions in embryonic chick tendon cells. 034205
Biosynthesis of **ravenelin** from [1-13C]-and [1,2-13C]-acetate [Helminthosporium, fungi]. 037289
Chlorophylls: aspects of *biosynthesis* and their **regulation.** 036794
Studies on *biosynthesis* of **soluble** lens crystallin antigens in the chick by isoelectric focusing in thin-layer polyacrylamide gel. 033888
In vitro cultures of maize endosperm—a model system for studying in vivo **starch** *biosynthesis.* 037389
Biosynthetic **studies** in mannolipids and mannoproteins of normal and vitamin A-Depleted hamster livers. 033787
Participation of aspartic acid and glycine in *biosynthesis* of **threonine** in isolated roots of Vicia sativa L. [Vetch]. 037707
Biosynthesis of **tRNA** in the posterior silk gland of Bombyx mori. 040238
Vitamin *biosynthesis* by germinating [wheat] seeds at low temperature and in overmoistened soil. 037538
Biosynthesis of **vitamins** of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876
Decanoic acid, a new precursor for the in **vitro** *biosynthesis* of oleic acid by a plant subcellular fraction [Cauliflowerhomogenate]. 037659

BIOTESTS *see* BIOASSAY

BIOTIC

Biotic **interference** with insect imported for [biological] weed control. 039098

BIOTIN

Biotin **deficiency** and fatty liver and kidney syndrome in chicks given purified diets containing different fat and protein levels. 034344
Relationship of **supplemental** *biotin,* protein level, and grain source to reproductive performance of turkeys. 033103
Relationship of **supplemental** *biotin,* phosphorus level and calcium level to reproductive performance of turkeys. 034456
Mechanism of unbalanced growth and death of *biotin-deficient* **yeast** [Saccharomyces cerevisiae] cells in the presence of aspartic acid. 039021

BIOTRANSFORMATION *see* TRANSFORMATION

BIOTYPES

Hessian fly [Mayetiola destructor] *biotype* **distribution,** resistant wheat varieties and control practices in hard red winter wheat. 039263
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the *biotypes* of loose **smut,** occurring on the area of Poland. I. Mechanism of inheritance. 036500
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the *biotypes* of loose **smut,** occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501

BIPHENYLS

Residues of organochlorine insecticides and **polychlorinated** *biphenyls* in some Norwegian foods. 032123
The influence of **polychlorinated** *biphenyl* compounds on hepatic function in the rat. 035408
Presence and distribution of **polychlorinated** *biphenyls* (PCB) in arctic and subarctic marine food chains. 039576
Polychlorinated *biphenyl* residues in silos in the United States. 039591
Potentially persistent industrial organic chemicals other than PCB **[polychlorinated** *biphenyl].* 041516

BIPOLARIS

Reaction of diallel crosses of maize in T and N cytoplasms to *Bipolaris* **maydis** race T [Breeding for disease resistance]. 038599
The natural occurrence of *Bipolaris* **tetramera** on termites. 039687

BIRCHES

Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and *birch* [**Betula** verrucosa] leaves to detect "hidden" fluorine injury. 038973
Some physical properties of *birch* **carbonized** in a nitrogen atmosphere [Betula, wood]. 035899
High-mountain *birch* forests in the Transcaucasia and their phytocoenotic characteristics. 036180
Sedimentation in *Birch* **Lake,** Iowa County, Wisconsin. 041387
Seasonal growth increment of pine, spruce, oak and *birch* in **mixed** stands of the Svesskii Forest Enterprise. 035598
Dry barking of *birch* **pulpwood** by drum bark stripping machines. 035767
Density of wood and weight productivity of *birch* **stands** in Leningrad Region. 035805
Effects of crown release and fertilizer on small saw log-sized **yellow** *birch* [Betula alleghaniensis]. 041114

BIRDS

An index to the insects and spiders featured on **Audubon's** *bird* plates. 040039
Effects of clearcutting [Quercus, Carya, Acer rubrum, Pinus] on the diversity of **breeding** *birds.* 035477

Purification and properties of proteinase inhibitors from the albumin of the eggs of certain species of *birds* [**Chickens,** quail]. 033119
The embryonic sex hormones in *birds* [**Chicks,** ducks]. 033757
Forestry and *bird* **fauna.** 035495
Steroid effects on gut function in *birds* [**Hens**]. 034206
[Insect] prey characteristics and predator niche width [**Insectivorous** *birds*]. 039769
The mites Proctophyllodes picae (Koch) and Proctophyllodes orientalis Gaud on the *bird* **myna** in India. 039454
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by *bird* **offal** and forage yeasts meal at normal protein level. 034533
Arthropod parasites of **passerine** *birds* from South Bass Island, Ohio. 039474
Overcoming the *bird* [**pests**] problem [in food manufacturing]. 032014
In vitro production of plants from pollen in Brassica campestris *[Bird* **rape,** plant breeding]. 036408
Enhance brown sarson *[bird* **rape**] yields in drylands. 038028
The effects of **red-winged** *blackbirds* (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) [Maize, pests]. 039015
Effect of products of thermophilous methane fermentation on the fermentation of fruit must by the yeast **Saccharomyces** *vini*. 033438
Enzymatic basis for DDE-induced eggshell thinning in a **sensitive** *bird*. 039582
From friend to foe: the **Syrian** *woodpecker* [Crop pests]. 038989
The variations in the content of cyanogenic glucosides in ontogenesis of *bird'sfoot* **trefoil** (Lotus corniculatus L.). 037510
Varietal and topographic variability of cyanogenic glucoside occurrence in *bird'sfoot* **trefoil** (Lotus corniculatus L.). 037511

BIRDSFOOT

A study of the relationship between honeybee (Apis mellifera L.) and *birdsfoot* **deervetch** (Lotus corniculatus L.). 040285
Registration of group B *birdsfoot* **trefoil** germplasm. 036450
Registration of group H *birdsfoot* **trefoil** germplasm. 036451

BIREFRINGENCE *see* REFRACTION

BIRTH

Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to **abnormal** *parturition* in rats. 034667
Suppression of the development of female hamster [sexual] behaviour by implants of testosterone and non-aromatizable androgens **administered** *neonatally*. 034673
Commemoration of J. Gyarfas on the centennary of his *birth* [**Agronomists,** Hungary]. 031119
In homage to professor Herman Francis Mark on his 80th *birth* **anniversary** [Polymer chemists, cellulose, United States]. 035727
Neonatal **behavior** and nutrition-related mortality in domestic swine [Piglets]. 034005
Effect of certain micronutrients on [disease] resistance of the *newborn* **calf.** 034235
Intestinal resorption of the tetanic antitoxin in the *newborn* **calf.** 034988
Presence of Proteus and failure of antibiotherapy in *neonatal* **calf** diarrhea. 034990
Management of *parturition* [**Cattle**]. 034586
Kinetics of 3-O-methyl glucose transport in red blood **cellsof** *newborn* pigs. 034062
Behavioral adaptation in *neonatal* **chicks** following embryonic vestibular system rearrangement. 034058
Use of uterine capsule in treatment of the **cow** [after *parturition]*. 035388
Hereditary fetal deformities and **defective** *calvings* of cows. 035376
Re-incorporation of carbon atoms into plasma glucose in *newborn* **dogs.** 033848
The development of sympathetic innervation and the functional state of the cardiovascular system in *newborn* **dogs.** 033851
Arta department: the problem of bearing more than one offspring in sheep, and possibilities of **double** *birth* within the year. 034828
Antenatal **events** and postnatal growth and survival of children—prospective observation in a rural Guatemalan village. 032262
Fall *calving* valuable for Ohio beef herds. 034769
Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen RU2858 on sexual differentiation in the *neonatal* **female** rat. 034668
Variation in birth weight due to season of *calving* in different **filial** groups of Brown Swiss crossbred calves. 033967
On the mechanism of neurotropism of vesicular stomatitis virus in *newborn* **hamsters.** Studies with temperature-sensitive mutants. 035110
Nutrition, mother's health and fertility: the effects of *childbearing* on **health** and nutrition. 032440
Bovine plasma oestrogens, progesterone and glucocorticoids during dexamethasone **induced** *parturition*. 034541
Prostaglandin **induced** *parturition* in swine with some aspects on prevention of the MMA (metritis, mastitis, agalactia) syndrome. 034766
Is **induced** *calving* right for your cows? [Breeding]. 034789
Possibilities of **influencing** *puerperium* in cows by intrauterine application of Calcium-Spofa. 034860
Neonatal **isoerythrolysis** in domestic animals: a comparative review [Horses, cattle, swine]. 035294
The effects of temperature and relative humidity on the thermoregulatory responses of grouped and **isolated** *neonate* chicks. 033995
Optimum combination of age at 1st *calving* and 1st **lactation** production of Hariana cows. 033634
Interventions of the physiological stage *[parturition,* **lactation]** and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
A simple assessment of the risk of **low** *birth* weight to select women for nutritional intervention. 032257
Oral feeding versus total parenteral nutrition in **low** *birthweight* infants. 032427
Induction of *parturition* in the **mare** with prostaglandin-F2alpha. 034728
Experiences from the group rearing of calves from *birth* to the end of the **milk** diet period. 034511
Effect of the rearing technique from *birth* to 8 **months** of age on the growth, feed efficiency, carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Behaviour of certain serum enzymes in sows in *perinatal* **periods.** 034744
Glucagon stimulation of hepatic gluconeogenesis in *neonatal* **pigs.** 034151
Course of *parturition* and **rearing** performance of heifers of the Black Pied dairy cattle genotype based on Simmental cattle. 034830
Systems analysis in nutrition and health planning: approximate model **relating** *birth* weight and age to risk of malnutrition. 032314
Studies on dairy cattle production. III. Relationship between criteria of production, duration of lactation and interval between first and **second** *calving* [Selection]. 034571
Regulation of gonadotrophin secretion in rams from *birth* to **sexual** maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from *birth* to **sexual** maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
The endocrinologic changes of gestation and *parturition* in the **sheep.** 034545
The mechanism by which foetal cortisol controls the onset of *parturition* in the **sheep.** 034840
Behaviour of certain serum enzymes in **sows** during *birth*. 034745
Behaviour of lactate-dehydrogenase isoenzyme in blood serum of **sows** during *parturition*. 034746
Development and cytodifferentiation of the rabbit pars intermedia. I. Fetal and *perinatal* **stages.** 033858
Vitamin levels at **term** and in the *neonate*. 032436
The ultrastructure of the sheep placenta around the **time** of *parturition*. 034658
Enzyme activity in kidney, adrenal and gonadal tissue of rats **treated** *neonatally* with androgen or oestrogen. 034055
Nutritional studies with the early **weaned** *neonatal* pig [Baby pigs]. 034414
Study on litter size and litter weight at *birth* and **weaning** in middle White Yorkshire pigs [heritability]. 034652
Comparisons of exotic- and Brahman-sired crossbred calves for *birth* and **weaning** traits. 034721
Variation in *birth* **weight** due to season of calving in different filial groups of Brown Swiss crossbred calves. 033967

BISBENZYLISOQUINOLINE

Krukovine, a **new** *bisbenzylisoquinoline* alkaloid from Abuta splendida Krukoff and Moldenke. 037064

BISON

A macroscopic study of the brain of *Bison* **bison** bison, the American plains buffalo. 033731

BISULFITE

Possibility of increasing the sugar yield by adding sulphur dioxide and **calcium** *bisulphite* during sugar extraction. 033312

BITCHES *see* DOGS

BITING

Cat *bite* transmission of Yersinia pestis infection to man. 035125
Insect mycoses and their importance in the [biological] control of *biting* **flies** [Livestock pests]. 039515
Protection of livestock from tsetse [Glossina morsitans] *bites* by **means** of repellents [Cattle]. 039505
A mass attack by the *biting* **midge** Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of sewage discharge. 039494
On the classification of the *biting* **midges** (Diptera, Ceratopogonidae). 040137
Bite by the **spider** Herpyllus ecclesiasticus in South Carolina. 039941

BITTACUS

Descriptions and distributional records of African Mecoptera *[Bittacus* **erythrostigma,** Bittacus tuxeni, new taxa]. 036034

BITTER

Quantitative determination of alpha- and *beta-bitter* **acids** in hops. 036934
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds **causing** *bitterness* of juices]. 033414
Greeneria fuliginea Scribner and Viala **causing** *bitter* rot of grapes in India. 038688
Studies on *bitter* **pit** of apple. III. Effect of leaf spraying with different products. 038957
Control of *bitter* **pit** in apples with lecithin and calcium [Physiological disease]. 039039
Bitterness **prevention** in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. 033411
The *bitter* **principles** of Diocoreophyllum cumminsii seed. 037179
Extraction and isomerization of *bitter* **substances** of hops. 032727
Oxidized phosphatidylcholines from defatted soybean flakes **taste** *bitter*. 033252

BITUMENS

Changes in the physical properties of soil under the influence of mulching with *bituminous* **emulsion** and the significance of this treatment for early potato culture. 041189
Soil temperature, soil moisture and the productivity of young apple trees as influenced by *bitumen* **mulch.** 040940
Revegetating *bituminous* strip-mine spoils with municipal wasstewater. II. Quality of the leachate and spoil chemical changes. 040899

BIURET

Protein determination [of economic plants] using the *biuret* **method.** 032913
Biuret as a **source** of supplemental nitrogen for wintering beef cows. 034405

BLABERUS

Analysis and control of the projection of ocellar information in the brain of cockroaches [Periplaneta americana, *Blabera* **fusca**]. 039650

BLACK

Apple *black* rot [Sphaeropsis malorum] in orchards under intensive cultivation. 038786
Protein quality of two varieties of high lysine maize fed alone and with *black* **beans** or milk in normal and depleted weanling rats. 032306
The arterial supply to the salivary gland of *Black* **Bengal** goat. 033983
Studies on the efffect of some commonly used insecticdes against **coconut** *black-headed* caterpillar [Nephantis serinopa Meyr]. 039326
Controlling *black* fly [Simulium arcticum] outbreaks [Cattle]. 039449
Genetics and breeding of *black* **currant.** I. Methods of selecting samples for selection-genetic analysis. 036517
Black **currant** production on an industrial basis [in East Germany]. 038465
Host range of the *black* **cutworm** [Agrotis ipsilon] on vegetables: a bibliography. 039322
Studies on **Egyptian** *black* olives. I. Raw materials used in the pickling. 033318
Notes on parasitism of *black* **flies** (Diptera: Simuliidae) in streams treated with Abate. 039481
Fattening and slaughter performance results of **German** *Black* Pied young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
Induction of nondormant mutants in *black* **gram** [Mungo beans]. 036569
Epidemiological observations on leaf spot (Cercospora sp.) of *black* **gram** [Mungo beans]. 038686
The presence of the **grape** *black* rot [Guignardia bidwellii] in La Spezia Province. 038728
Homozygous *black* Finnish mink [Genetics]. 034845
Relationship of serum transferrin type to meat productivity of **Japanese** *Black* cattle. 034090
Physicochemical properties of *black* **liquors** from sulfate cooking of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. 035816
Jet *[black]-Aleutian* **mink** [Breeding]. 034846
White and *black* **mustard** for spicing and preservation. 032800
Black **olives** by alkaline oxidation. III. A comparative study of iron determination methods. 033381
Double-headed protease inhibitors from *black-eyed* **peas.** I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Double-headed protease inhibitors from *black-eyed* **peas.** II. Structural studies by optical absorption and circular dichroism. 037769
Double-headed protease inhibitors from *black-eyed* **peas.** III. Subunit enteractions of the native and half-site chemically modified proteins. 037770
Double-headed protease inhibitors from *black-eyed* **peas.** IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. 037771
Double-headed protease inhibitors from *black-eyed* **peas.** V. Analysis of the energetics of protease-inhibitor interactions. 037772
Double-headed protease inhibitors from *black-eyed* **peas.** VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
Influence of feeding level on the fattening performance and carcass quality of *Black* **Pied** bulls. 034498

Comparative study on the effect of fattening Bulgarian Brown bull calves and F1 *Black* **Pied** crosses. 034534
New model for *Black* **Pied** cattle. 034743
Course of parturition and rearing performance of heifers of the *Black* **Pied** dairy cattle genotype based on Simmental cattle. 034830
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with *Black* **Pied** cows. 034837
Effect of antibiotics on some metabolic processes in *Black* **Pied** bulls. 035203
Effects of *black* **plastic** and mulches on growth and survival of landscape plants [Culture]. 038453
Effect of *black* **polyethylene** mulch on the growth, earliness and yield of cauliflower (Brassica oleracea var. botrytis). 041015
A severe grapevine disease referred to *black* **rot** [Phoma uvicola] in La Spezia district. 038723
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil *[Black* **rot,** papayas, Metrosideros collina, Acacia koa]. 038763
Resistance of indigenous and exotic barley varieties to races of *black* **rust** (Puccinia graminis). 038661
A dominant gene conferring disease resistance to tobacco plants is expressed in tissue cultures [Phytophthora parasitica nicotianae, *black* **shank**]. 038759
Screening tobacco seedlings for resistance to Phytophthora parasitica var. nicotianae *[black* **shank**]. 038773
Food spending patterns of **Southern** *black* households. 032221
Evaluation of fungicides for the control of *black* **spot** [Diplicarpon rosae] of rose. 038784
Height growth of *black* **spruce** and jack pine [Picea mariana, Pinus banksiana] seedlings in flooded flats. 037911
Service life of treated and **untreated** *Black* Hills ponderosa pine fenceposts: a progress report. 035890

BLACKBERRIES

Resource models for production of apples, *blackberries,* and **table** grapes in northwest Arkansas [Costs]. 031428

BLACKBIRDS *see* BIRDS

BLACKFACE *see* SHEEP

BLACKFLIES

A cytological study of two closely **related** *blackfly* species: Cnephia dacotensis and Cnephia ornithophilia (Diptera: Simuliidae). 039657

BLACKLEG

Some observations on assessing Phoma betae *[blackleg]* **infection** of sugarbeet seed. 038567

BLADES

Genetic variation in enzyme activity of tall fescue [Festuca arundinacea] **leaf** *blades.* 036428
Forced oscillations and resonant oscillations of circular saw *blades* for **log** conversion. 3. Resonant speed of unsymmetric oscillations. 035768

BLANCHING *see* BLEACHING

BLAST

A method of quantification of the infection phenomenon in *blast* **disease** [Pyricularia oryzae] of rice for the use in genetical studies. 038669
A gene action for avirulence partially affected by mutation in **rice** *blast* fungus [Pyricularia oryzae]. 038571
Polysaccharide-degrading ability of **rice** *blast* fungus [Pyricularia oryzae] of a different pathogenicity and virulence. 038573

BLASTOCYSTS

Endocrine activities of the *blastocyst* and **early** embryonic tissue in the pig. 034199

BLASTODERM

Comparison of early embryonic and differentiating cell surfaces: interaction of lectins with plasma membrane components [**Chick** *blastoderm].* 033790

BLASTOMYCOSIS

Blastomycosis: a **report** of two cases, their diagnosis and treatment [Dogs]. 034996

BLATTARIA

Ultraviolet-induced changes in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: *Blattaria:* **Blattidae).** 039669
A new genus and three new species of **cockroaches** *(Blattaria:* Dictyoptera) from Africa [Princisaria carvalhoi, Princisaria ugandana, Princisaria curta]. 040168

BLATTIDAE

Ultraviolet-induced changes in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: **Blattaria:** *Blattidae).* 039669

BLEACHING

Self *blanching* **celery**—protected cropping [Greenhouse culture]. 038481
Laboratory technique for bleaching pea seeds [**Identifying** *bleach-resistant* selections]. 036434
Further experimental contributions to using plastic films for *bleaching* and **mulching** chicory (Cichorium intybus L.), variety Variegato di Castelfranco. 038464
Effects of refining and *bleaching* on **oxidative** stability of sunflowerseed oil. 033255
Laboratory technique for *bleaching* **pea** seeds [Identifying bleach-resistant selections]. 036434

BLENDING

Some moisture properties of high-percentage **cotton** *blends* [Textiles]. 033185
Effect of carding variables and **cotton-polyester** *blends* on carding efficiency and processing performance. 033167
Effect of drawing and roving processing variables and **cotton/polyester** *blends* on roving quality [Textiles]. 033168
Flame-retardant cotton and synthetic **fabric** *blends.* 031955
National forest visual management: a *blend* of **landscape** and timber management. 035562
Use of rape oils and lard in [leather] **lubrication** *blends* [Properties]. 032778
Do world food needs demand a reconsideration of **policies** on *blending?* 031816
The quantitative analysis of [synthetic and natural] *blended-fibre* **yarns** by point-counting. 032870

BLIGHTS

Evaluation of fungicides for the control of gram [peas] *blight* [**Ascochyta** rabiei]. 038687
Crop disease losses in Canada and methods for their determination [Beans, **bacterial** *blight].* 038871
Quantitative and qualitative variations in leaf-surface wax in three varieties of wheat varying in susceptibility to *blight* **caused** by Alternaria triticina. 038708
In vitro evaluation of fungicides against Helminthosporium spiciferum the causal organism of *blight* of **cotton.** 038655
Nutrient status of apple blossoms and their susceptibility to **fire** *blight* [Erwinia amylovora]. 038850
The fire brigade stops a raging corn epidemic *[Blight,* **Helminthosporium** maydis]. 038832
The relation of rainfall, relative humidity and temperature to **late** *blight* [Phytophthora infestans] of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
A **leaf** *blight* [Alternaria alternata] of Fagopyrum tataricum in India. 038643
Chemical nature of disease resistance and susceptibility in **leaf** *blight* of wheat caused by Alternaria triticina. 038648
Nature of disease resistance and susceptibility in **leaf** *blight* of wheat caused by Alternaria triticina in vivo and in vitro. 038699
Inheritance of resistance to bacterial **leaf** *blight* [Xanthomona oryzae] in rice. 038865
Phoma glomerata in relation to *bud-blight-affected* **plants** of groundnut. 038703
Varietal resistance of gram [peas] to Ascochyta **[rabiei]** *blight.* 038720

BLIND

A study on the prevalence of xerophthalmia and *blindness* in **northeast** Brazil [Vitamin A deficiency]. 032259

BLOAT

Bloat **survey** in the northern irrigation areas [Dairy cattle]. 035313

BLOOD

Changes in *blood* **arginine** vasotocin level after osmotic stimuli in domestic fowl. 033713
Morphological and **biochemical** *blood* changes in cows chronically exposed to strontium 90. 034243
Blood and **bloodforming** organs [Cats, diseases]. 034888
Selective effect of a maize diet in reducing serum and brain tryptophan contents and *blood* and **brain** serotonin levels. 032384
Lipase activity in **calf** *blood* serum with different types of feeding. 034222
Metabolism of 14C [carbon isotope]-glutamic acid and 14C-DL-arginine in chickens with different genotypes of the *blood* **catalase.** 033883
CAMP [cyclic adenosine-3',5', monophosphate] as a second messenger in **central** *blood* pressure control [Cats]. 035366
Differences in the concentration of **certain** *blood* constituents among cows in a dairy herd. 033994
Studies on avian erythrocyte metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole *blood* in **chick** embryos and chicks. 033865
Late effect of premature weaning on *blood* **cholesterol** levelsin adult rats [Diet]. 032414
Relationship between turnover rate and *blood* **concentration** of lactate in exercising dogs. 034020
Normal values of body fluid volume, *blood* **constituents,** hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in unanesthetized dogs. 033714
A complete serum iron profile in pregnancy: study of the maternal and **cord** *blood.* 032256
Thrombocytes and coagulation of *blood* in **cows** affected by a mixture of nuclear fission products [Radiation injuries]. 035438
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of **cutaneous** *blood* flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. 034125
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the *blood* [of **dairy** cows], not only on the elimination of the metalloid via the mammary glands. 034280
Complement-binding activity of immunoglobulins of sera of *blood* and **ewe** colostrum infected with sheep abortion virus. 035202
A method for determining the survival rate of isogenic erythrocytes in the *blood* **flow** of cattle in cases of transfusions. 033880
The effects of vagotomy on ventilation and *blood* **gas** composition in dog, sheep and rabbit. 034165
Blood **genetic** markers in two breeds of ponies from Poland. 034565
Blood **groups** of sheep. II. Supplementary antigenic factors in the systems A, B, C and M; estimation of the allelic frequencies in the systems A, B, C, D, M and R of the French breeds Berrichon, Ile-de-France and Texel. 034566
Effect of supplemental selenium on performance and deposit of selenium in *blood* and **hair** of finishing beef cattle. 034408
Studies on histamine concentrations in milk and *blood* in **health** and clinical mastitis in buffaloes and cows. 033966
Free amino acids of the **human** *blood* serum with endogenous alimentation. 032487
The cytophysiology of **insect** *blood.* 039612
Blood **ketone** body content of ewes administered propionic acid with concentrated forage for a long time. I. 034532
Lack of effect on *blood* **lipid** and calcium concentrations of young men on changing from white to wholemeal bread. 032184
Electrochemical properties of *blood* and **lymph** proteins of cows sick with lymphomatosis. 035241
Effect of cold acclimation on changes in *blood* **metabolites** induced by high-fat diet. 032381
Vitamin content in the *blood* and **milk** of cows. 034230
Immunoglobulins of *blood* and **milk** of Indian pure and crossbred cattle. 035073
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and **mucosal** *blood* flow response to meat extract stimulation in anaesthetized cats. 034078
Effects of specific neutralization of luteinizing hormone and prolactin on **ovarian** *blood* flow and progesterone secretion [in ewes]. 034640
Influence of dietary levels of vitamin E and selenium of tissue and *blood* **parameters** in pigs. 034353
Gas-blood **pCO2** [carbon dioxide pressure] gradients during avian gas exchange [Chickens]. 034015
Determination of genetic sex by sexual chromatine in nuclei of neutrophyl leucocytes of the **peripheral** *blood* in vertebrates. 034807
Acid-base values of **pig** *blood.* 034221
The effect of physical stress on the values of the indexes of the acid-base homeostasis of the *blood* of **pigs.** 034227
The influence of fat mobilizing substance and dietary linoleic acid on *blood* **plasma** fatty acid composition and linoleic acid metabolism in the laying hen. 033989
Determination of lysine and methionine requirements. II. Establishment of amino acid supplies in fattening pigs by the determination of certain parameters of the *blood* **plasma.** 034249
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into *blood* **plasma,** liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the *blood* **plasma** of rats fed proteins of varying quality. 034311
Proteins of **poultry** *blood* at different ontogenetic periods and in connection with the use of biologically active substances. 033991
On the method of the evaluation of activity of ceruloplasmine in the plasm of **poultry** *blood.* 034188
Effect of experimental Neguvon intoxication on iron, copperand 14 C [carbon isotope] glycine content in the *blood* of **poultry.** 035404
Electrophoresis of *blood* **proteins,** tissue of the mammary gland and milk in acrylamide gel. 034184
Effect of tuberculinization on the *blood* **proteins** of camels and cows [Tuberculosis, treatment]. 035239
Electron microscopy study of the development of neurovaccinia virus in **rabbit** *blood* leucocyte cultures. 035117
Glutathione polymorphism in the sheep **red** *blood* cells. 033986
Kinetics of 3-O-methyl glucose transport in **red** *blood* cellsof newborn pigs. 034062
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep **red** *blood* cells] administration. 035078
Renal *blood* flow distribution during steady-state exercise and exhaustion in conscious dogs. 034021

Physical guide values for meat technology. II. 4. Cooked cured meat products. 5. Liver sausage. 6. *Blood* **sausage.** 033062
Influence of qualitatively differing fats on the cholesterol level ina the liver and *blood* **serum** in cases of choline-proteinic deficiency. 032490
Preliminary studies on polymorphism of hemopexins in *blood* **serum** of Large White Polish pigs. 033908
Study of esterified fatty acids in the *blood* **serum** and total content of fatty acids in the feces of calves reared on different types of feeding. 034224
Comparison of free amino acids in *blood* **serum** of men and animals. 1. Man, rat, mouse, cock [chickens]. 034239
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and protein metabolism in the *blood* **serum** and upon the body composition of growing rats. 034307
Dynamics of some N [nitrogen] metabolites in the *blood* **serum** of lambs in combined feeding conditions. 034510
Behaviour of lactate-dehydrogenase isoenzyme in *blood* **serum** of sows during parturition. 034746
Investigation of **sheep** *blood* serum haptoglobin. 033825
Connection of the adaptive reaction to the conditions of the arid zone with the type of the concentration of potassium in **sheep** *blood.* 034181
The effects of different *blood-meal* **sources** on digestion and egg production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. 039488
Ultrafine structure of the integument of the *[blood* **sucking]** tick Hyalomma asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504
Red cell and **total** *blood* volumes during sexual excitement and copulation in the boar. 034542
A note on the difference between *blood* **urea** of buffalo and cow calves. 033993
Local regulation of the **uterine** *blood* flow by the umbilical circulation [Sheep, Rabbits]. 034153
The effect of labour on **uterine** *blood* flow in the pregnant ewe. 034790
Blood **values** of male adult Beagle [dog] and seasonal variation. 033841
Detection of a specific antigen in **white** *blood* cells of cattle with leukemia by the direct fluorescent antibody procedure. 035280

BLOODSUCKING
Photoperiodic induction of the diapause of the egg phase in the *bloodsucking* **midge** Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894

BLOOM
Washing does not **affect** *bloom* or keeping quality of lamb carcasses. 031992
Water-blooms **[Blue-green** algae]. 036831
Study of Andrena carantonica behavior during *blooming* of **Golden** Delicious apple trees [Insects as pollinators]. 039624
Honey plants in the sequence of their *blooming* **periods,** with a short statement of the methods of their propagation. 1. 038541
Study on the dynamics of *blooming* and **pollen** productivity in soft wheat. 037555

BLOSSFELDIANA
Kalanchoe *blossfeldiana* 'Tetra Vulcan': suggestions for growing as a pot plant. 037712

BLOSSOM *see* **FLOWERS**

BLOTCH
A quantitative method for estimating density of Septoria tritici pycnidia on wheat leaves **[Leaf** *blotch].* 038761

BLOW
Determination of parameters having an influence on the behaviour of *blown* **rubber** types in the field. 040408

BLUE
The occurrence of the *blue-green* **alga** Oscillatoria agardhiiGom. in some waters discharging into the Lauwersmeer (the Netherlands). 036021
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a *blue-green* **alga** [Nostoc muscorum]. 036813
Effects of magnesium and chloride ions on light-induced electron transport in membrane fragments from a *blue-green* **alga** [Nostoc muscorum]. 036815
An election-microscopic and biochemical study of the spheroplasts of the *blue-green* **alga** Anabaena variabilis. 037114
The development of [the *blue-green* **alga]** synechocystis aquatilis Sauv. in the presence of [the saprophytic bacteria] Pseudomonas putida Migula. 037327
Water-blooms *[Blue-green* **algae].** 036831
Photosynthetically-linked oxidation of diaminobenzidine in *blue-green* **algae.** 037079
Sulphide-dependent anoxygenic photosynthesis in the cyanobacterium Oscillatoria limnetica *[Blue-green* **algae].** 037134
In vivo excretions of the *blue-green* **algae** Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
Accumulation, mobilization and turnover of glycogen in the *blue-green* **bacterium** Anacystis nidulans [Algae]. 037302
Notes on breeding aberrations of the Chalk **Hill** *Blue:* Lysandra coridon (Poda). 039721
Regulatory action of *blue* **light** on the activity of carboxylating enzymes and enzymes of the glycolate pathway in broadbean and maize plants. 037449
Carotenoids in *blue* **mutant** and normal green pupae of Hyalophora cecropia. 039835
Peculiarities of the oxygen metabolism of the obligate **phototrophic** *blue-green* alga Anabaena variabilis in darkness. 037121
A field and laboratory study of oxygen uptake by **planktonic** *blue-green* algae [Oscillatoria redekei]. 037034
A biochemical study of **tobacco** *blue* mould [Peronospora tabacina] pathogenesis. VI. On some resistance factors. 038606

BLUEBERRIES
A new Coelomycete (Dwayalomella vaccinii gen. And sp. Nov.) [Fungi] from Vaccinium angustifolium *[blueberries]* in **Canada.** 035995

BLUEGRASSES
Differential reaction of Kentucky bluegrass [Poa pratensis] cultivars to the *bluegrass* **billbug,** Sphenophorus parvulus Gyllenhal. 039273
Bluegrass **billbugs** [Sphenophorus parvulus] and their control. 039358
Characteristics and performance of interspecific hybrids between Kentucky bluegrass and **Canada** *bluegrass* [Poa pratensis, Poa compressa]. 036423
Polyembryony in **Kentucky** *bluegrass* [Poa pratensis] as a source of variation in disease reaction [Drechslera triseptata, Erysiphe graminis]. 036302
Characteristics and performance of interspecific hybrids between **Kentucky** *bluegrass* and Canada bluegrass [Poa pratensis, Poa compressa]. 036423
Registration of Majestic **Kentucky** *bluegrass* [Poa pratensis]. 036439
Phenol reaction of **Kentucky** *bluegrass* (Poa pratensis) seeds. 037559
Identifying **Kentucky** *bluegrass* (Poa pratensis) cultivars by seed morphological characters. 038151
A contribution to the occurrence of leaf spot fungi on **Kentucky** *bluegrass* (Poa pratensis L.). 038835
Differential reaction of **Kentucky** *bluegrass* [Poa pratensis] cultivars to the bluegrass billbug, Sphenophorus parvulus Gyllenhal. 039273

BOARDS
Some problems in joining wood **based** *boards* with other materials. 035764
Plastic **container** *board* containers for fresh vegetables [Packaging]. 033401
An improved edgewise compression test for *linerboard* **[Corrugated** fiberboard, containers]. 035877
Quality of *on-board* **frozen** tuna meat with reference to freshness of the fish and the freezing conditions. 032752
Increased *linerboard* pulp yield through sulfonation. 035882
Organization and functions of the Milk **Marketing** *board* in England and Wales. 031522
Economy of high frequency-preheating chip mats in **particle** *board* production. 035763
Ensurance of the 1975 plan in the organization of the Czechoslovakian State **Veterinary** *Board* [Five-Year Plan]. 031924
Ever better *boards* from **waste** wood. 035713

BOARS *see* **SWINE**

BOCCONIA
Quantitative determination of sanguinarine and heleritrine in *Bocconia* **cordata.** 036896

BOGS
Comparison of the present and past bryophyte [Bryophyta] flora of **Cedar** *Bog.* 036097
Afforestation of *bogs* after **industrial** exploitation of peat [Pinus, Alnus, foliar diagnosis]. 035684
Contemporary development of the **peat** *bogs* in the Vitosha mountain [Topography and the floristic composition]. 036208
Process of drying up and differentiation of **peat** *bog* meadows in the Notec river valley [Soils, reclamation]. 038217
Microbiological processes in **peat** *bog* soils under perennial grasses. 040730
The automatically controlled system for designing horizontal drainage [of **peat** *bogs* and boggy soils]. 041266

BOLLS
Variations of the physiological and hormonal state of **cotton** *bolls* and their relations to subsequent release of abscission. 037386
Curbing *boll* weevil [Anthonomus grandis] egg hatch [Cotton]. 039254
Influence of lint percentage, *boll* **size,** and seed size on lint yield of Upland cotton with high fiber strength [Breeding, selection]. 036433

BOLLWORMS
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the **cotton** *bollworm,* Heliothis virescens]. 036391
Aflatoxins [Aspergillus flavus] in cottonseed as affected by the **pink** *bollworm* [Pectinophora gossypiella]. 039272
Geometrical isomerization of 1,5-dienes: isomers of gossyplure, the **pink** *bollworm* [Pectinophora gossypiella] sex attractants. 039289
Pupation sites of **pink** *bollworms* [Pectinophora gossypiella]: potential mortality resulting from cultivation of irrigated cotton. 039307

BOLTING
Effect of uncontrolled conditions on the preservation of sets of some onion varieties **[Growth,** *bolting].* 037721
Bolt **straps** are more than a bit of rubber. 040464
Bolting of **sugarbeet** grown in England. 037496

BOMBUS
Protection of bumblebees *[Bombus]* that **build** natural nests. 039896

BOMBYLIIDAE
Studies in **African** *Bombyliidae.* X. Taxonomic problems relevant to a catalogue of Ethiopian Bombyliidae, with descriptions of new genera and species. 040100
An anomaly in the wing of Bombylius erectus Brunetti **(Diptera:** *Bombyliidae).* 039707
Studies in African Bombyliidae. X. Taxonomic problems relevant to a catalogue of **Ethiopian** *Bombyliidae,* with descriptions of new genera and species. 040100

BOMBYX
Effect of alkaline and acid solutions on insecticidal activity of Bacillus thuringiensis *[Bombyx* **mori].** 039210
Mechanical properties of some larval cuticles [Agenius zebra, *Bombyx* **mori].** 039841
Detection of aflatoxin B1 in silkworm *[Bombyx* **mori]** larvae attacked by an Aspergillus flavus [Fungi] isolate from a sericultural farm. 040201
Cyclic nucleotide phosphodiesterase in silkworm *[Bombyx* **mori]** characterization of cyclic GMP [guanosine monophosphate] phosphodiesterase. 040213
Biosynthesis of tRNA in the posterior silk gland of *Bombyx* **mori.** 040238
Testing the influence of centrifuging silkworm eggs on some biological characters and technological qualities of **silkwork** *(Bombyx* mori L.) cocoons. 040312

BONDING
Disulfide *bond-modified* trypsinogen: Role of disulfide 179203 on the specificity characteristics of bovine tryspin toward synthetic substrates. 034038
The amide **hydrogen** *bond* in energy functions for peptides and proteins. 032835

BONES
Bone and **biomineralization** [Animals]. 034196
Bone and **bone** marrow spaces in dosimetry of beagle skeletons [Dogs, radiation toxicity]. 035410
A comparative evaluation of bone marrow haemopoiesis in the **breast** *bone* and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
Radiological interpretation of *bones* **[Dogs,** cats]. 034902
Osteogenesis with **homogenous** *bone* meal in fracture repair in a Hariana bull calf—a case report. 035418
A comparative evaluation of bone marrow haemopoiesis in the breast bone and **iliac** *bone* of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
Increased *bone* mineral content in young adults with familial hypophosphatemic vitamin D refractory rickets. 032386
Nutritional aspects of *bone* **loss,** part 1 of 2 parts. 032227
Bone and *bone* **marrow** spaces in dosimetry of beagle skeletons [Dogs, radiation toxicity]. 035410
A comparative evaluation of *bone* **marrow** haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
The value of meat and *bone* **meal** as the major protein concentrate in the diet of weaners and fattening pigs in the tropics. 034377
Microbial contamination of meat in *boning* and **packing** rooms. 032117
Bone **resorbing** activity of vitamin D metabolites and congeners in vitro: influence of hydroxyl substituents in the a ring. 032215
Thicknesses of the deposits of plutonium and radium at *bone* **surfaces** in the beagle [Dogs]. 033914

BONSAI
Sugi *bonsai* [Culture]. 038275
Ben Takeye Suzuki—**teacher** *[Bonsai].* 038273

BOOKKEEPING *see* **ACCOUNTING**

BOOKS
The agricultural machine **log** *book*—a necessity for industrial production. 040437
The *"Book* of **Simples"** by Giuseppe da Spello [Drug plants, history]. 035908

BOOPHILUS
A rapid spectrophotometric method for the monitoring of embryonic development in ticks *[Boophilus* **decoloratus]** (Acarina: Ixodoidea). 039893
Resistant cattle for biological control of cattle tick *[Boophilus* **microplus]**. 039440
The cattle tick *[Boophilus* **microplus]** in relation to animalproduction in Australia. 039441
The structure and parasitic life cycle of *Boophilus* **microplus** (Canestrini, 1888) in South Africa (Acarina: Ixodidae) [Dairy cattle, pests]. 039470

BORATES
Automated quantitative analysis of wood carbohydrates by *borate* **complex** ion exchange chromatography. 035904

BORDEAUX
Chateaux and **classified** *Bordeaux* crus [Wines]. 033450

BORDERS
The relationship between peptide hydrolases of cytoplasm and **brush** *borders* of guinea-pig small-intestinal mucosa. 034215
The viruses on the *borderline* between **inanimate** and animate nature [Apis mellifera, diseases]. 040212
Eutrophication and occurrence of Oscillatoria agardhii Gom. [Algae] in the **lakes** *bordering* on Flevoland. 036962
Preliminary studies on the role of trenches in isolating root effect of forest **trees** *bordering* agricultural crops [Landuse]. 031159
Occurrence of Phagocarpus permundus in Vogelsberg and its **western** *border* region (Diptera, Trypetidae). 040078

BORDETELLA
The serology of *Bordetella* **bronchiseptica** isolated from pigs compared with strains from other animal species. 034955
Preweaning mortality in pigs. 6. Incidence and causes of pneumonia [Streptococcus, Haemophilus parahaemolyhticus, *Bordetella* **bronchiseptica]**. 035174
The effect of 2, 4-dinitrophenol on the growth of *Bordetella* **pertussis** in chick tracheal organ culture. 035139

BOREAL
The caliciales of *boreal* **North** America: taxonomy, ecological and distributional comparisons with Europe, and ultrastructural investigations in some species [New taxa]. 036148

BORERS
The European **corn** *borer* [Ostrinia nubilalis]. 039257
Yield losses in maize caused by different levels of infestation of second-brood European **corn** *borers* [Ostrinia nubilalis]. 039288
A note on light and electron microscopy studies of white pine [wood] exposed to marine [mollusk and crustacean] *borer* **damage.** 035894
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous **Eucalyptus** *borer.* 039402
Study of Lepidoptera-, Coleoptera- and **Hymenoptera** *borers.* II. 039212
Sevidol granule for the control of sugarcane **shoot** *borer* Chilo infuscatellus Snell. 039287
Sex pheromone of rice **stem** *borer* [Chilo suppressalis]; purification and chemical properties. 039251
Preliminary studies on screening of insecticides for the control of rice **stem** *borer* [Tryporyza incertulas]. 039252
Some light trap investigations in the assessment and forecasting of **sugarcane** *borers.* 039253

BORING
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a **wood** *boring* isopod] and records of other species [Tests with various kinds of woods]. 038625

BORON
Effect of *boron* on the **content** of skeletal substances in the culms of spring wheat. 037502
Influence of *boron* on the **development** of puffs in the polytene chromosomes of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. 039917
Composition in free amino acids of sap from tomato plants treated with different levels of *boron* **[Fertilizer].** 040864
Boron in the **plow** layer of soils in the European USSR. 040813
Activity of beta-glucosidase in plants with different *boron* **requirements** [Maize, wheat, beans]. 037578
Biochemical nature of *boron* **toxicity** in groundnut. 039000
Effect of lime on *boron* **transport** to and uptake by cotton. 041038
The effect of *boron* on the **yield** and chemical composion of tobacco vegetative matter. 038095

BOS
Macroscopic observations on pituitary gland of Indian **buffalo** *(Bos* bubalis). 033980
Temperature-induced changes in metabolism and body weight of **cattle** *(Bos* taurus). 033850
Robertson-type translocations (centric fusions) of autosomes in **cattle** *(Bos* taurus L.). 034604
The relative incidence and effect of bovine infectious keratoconjunctivitis in *Bos* **indicus** and Bos taurus cattle. 034979

BOTANISTS
The tour of a *botanist* in **China.** 035910
The Pyrenees for *botanists* **[Flora].** 036046
The Botanical Institute of the USSR Academy of Sciences during the first year of the Great Patriotic War (To the memory of *comrades-botanists* **killed** in the war of 1941-1945). 035914
Jakob **Naustdal** *[Botanists].* 035912
Seventieth birthday of Mikalai Uladzislavavich Smol'ski *[Botanists,* **plant** introduction]. 035922

BOTANY
Trees in botanic garden. 3. The botanic gardens of the **Birmingham** *Botanical* and Horticultural Society [England]. 035909
Fertilization and *botanical* **composition** of grassland. 041098
Ecological *soil-botanical* spectra of Solonetz soil complexes of the Turgai Valley. 036253
Botanical **expedition** to some areas in Sumatra. 035916
Trees in *botanic* **garden.** 3. The botanic gardens of the Birmingham Botanical and Horticultural Society [England]. 035909
The *Botanical* **Garden** of Oslo. 035928
The *Botanical* **Garden** of Saint Gall (Switzerland). 035933
Trees in botanic garden. 3. The *botanic* **gardens** of the Birmingham Botanical and Horticultural Society [England]. 035909
The *Botanical* **Institute** of the USSR Academy of Sciences during the first year of the Great Patriotic War (To the memory of comrades-botanists killed in the war of 1941-1945). 035914
New Lichens, [in Lecanora, Ramalina and Usnea] whose isotype will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the *Botanical* **Institute** of the Czechoslovak Academy of Sciences]. 036013
A **landfill** *botanic* garden. 035924
Amateur, **orchids** and *botany.* 035930
Russo-United **States** *botanical* exchange in 1841; some material evidence [History]. 035917
Botanical **tulips** [Tulipa] for the amateur [Varieties]. 038486
Botany in **western** Australia: a survey of progress: 1900-1971. 036042

BOTFLIES
The **camel** *botfly* [Cephalopina titilator] and measures for its control. 039516

BOTHRIOCHLOA
An electron microscopic study of the nucellus cells in *bothriochloa* **ischaemum** L. 036296

BOTRYODIPLODIA
Histopathology of mango die-back caused by *Botryodiplodia* **theobromae.** 038654

BOTRYTIS
Observations on the condition of red clover seeds during storage *[Botrytis* **anthophila,** Alternaria tenuis]. 038793
The effect of temperature on strains of soft fruit spoilage fungi *[Botrytis* **cinerea,** Mucor mucedo, Rhizopus]. 038568
Germination of *Botrytis* **[cinerea]** and Sclerotinia [sclerotiorum] spores in the presence of pollen on tobacco leaves. 038751
Controlling gray rot *[Botrytis* **cinerea]** in stem-less vineyards. 038787
Study of the transmission of *Botrytis* **cinerea** by sunflower (Helianthus annuus) seed. 038796
Susceptibility of different variety types of [table] beet to storage rot *[Botrytis* **cinerea]** nicity [Botrytis cinerea]. 038810
Resistance of *Botrytis* **cinerea** to systemic fungicides in the valley of the Mosel and Saar [Grapes]. 038829
Effect of black polyethylene mulch on the growth, earliness and yield of cauliflower (Brassica **oleracea** var. *botrytis).* 041015

BOTTLING
Studies on the *bottle* **breakages,** number of trips made by a bottle and efficiency of aluminum caps forming and usage in a small sized milk processing plant. 032972
Studies on the interaction between *bottle-gourd* **mosaic** virus and powdery-mildew fungus, Sphaerotheca fuliginea. 038913
The influence of *bottle-gourd* **mosaic** virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Composition and qualith of commercial orange juices. 1. *Bottled* **orange** juices sold in European countries not producing citrus fruit. 033362
Report on a [wine] *bottling* **test** made by the Tempio Pausania cork experimental station (Italy) [Leakage]. 035788

BOTULISM
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, Doctor of Medicine], pioneer in the area of prevention of *botulism* **[Clostridium** botulinum];. 032145

BOUGAINVILLEA
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl amino purine (kinetin) and *[Bougainvillea]* **plant** surfaces, glass, and porcelain ware. 037203

BOVINE
Catecholamine release from *bovine* **adrenal** medulla in response to maintained depolarization. 034072
Evidence for the activation of *bovine* **adrenal** cholesterol ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Thrombocytes and coagulation of blood in *cows* **affected** by a mixture of nuclear fission products [Radiation injuries]. 035438
Distribution of Fusobacterium necrophorum in *bovine* **alimentary** tracts. 035015
Leucine **aminopeptidase** *(bovine* lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. 034041
Blockage of nerves of organs of the pelvis and udder of *cows* **[Anesthesia].** 034934
Natural resistance of *bovine* **animals** to Micrurus nigrocinctus venom. 035449
A clinical study of promethazine hydrochloride as an orexigen in *bovines* **[Anorexia].** 035325
Detection and partial characterization of lipoprotein lipase in *bovine* **aorta.** 033791
Systems for wintering **beef** *cows.* 033664
Biuret as a source of supplemental nitrogen for wintering **beef** *cows.* 034405
Magnesium supplementation of **beef** *cows* on pasture with mixtures containing different levels of cottonseed meal. 034472
Year round grazing with a **beef** *cow* herd [Pasture management]. 038080
Prostaglandins in pyometrial fluid from the *cow,* **bitch** and ferret. 033836
Reproductive behavior of **Brahman** *cows.* 034599
Progress report on *cow* **breed** evaluation at Southhampton farm. 034796
Selection-index for *cows* **[Breeding].** 034718
Is induced calving right for your *cows?* **[Breeding].** 034789
From "mother cow" to "**brood** *cow".* Some impressions of a visit to the world's largest embryo transplant center [Breeding]. 034715
Brucella abortus strain 45/20 in the control of *bovine* **brucellosis.** 034981
Studies on histamine concentrations in milk and blood in health and clinical mastitis in **buffaloes** and *cows.* 033966
A note on the difference between blood urea of buffalo and *cow* **calves.** 033993
Hereditary fetal deformities and defective **calvings** of *cows.* 035376
Separation and characterization of the troponin components from *bovine* **cardiac** muscle. 034043
Experimental studies on autogenous skin grafting in *bovine* **[Cattle].** 033979
Mitochondrial malate dehydrogenase of *bovine* **cerebrum.** Characterization and mechanisms of inhibition by silver ions. 034029
Breed differences in the length of the *bovine* Y **chromosomes.** 034567
Morphological and biochemical blood changes in *cows* **chronically** exposed to strontium 90. 034243
Changes in the microflora of *bovine* **colostrm** during natural fermentation. 032976
Bactericidal and haemolytic activity of complement in *bovine* **colostrum** and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). 034986
Comfortable *cow* beds [Housing]. 033598
Study on enterococci in **commercial** *cow's* and ewe's milk [Contamination]. 032159
Rumenitis caused by foreign bodies of polypropylen **cord** in *cows.* 035307
Vegetative endocarditis in a *cow* **[Cornyebacterium** pyogenes]. 035088
Identification of glycine in the synaptic vesicles of the *bovine* **cortex.** 034114
Effects of nutritional management systems on reproductive performance of dairy **cross** *cows.* 034444
Relative feed efficiency of **crossbred** *cows* for milk production. 034380
Recommendations for the time of separation of **dairy** *cows* in industrial open stall units. 033671
Differences in the concentration of certain blood constituents among *cows* in a **dairy** herd. 033994
The influence of the method of preservation of forages on the digestion in **dairy** *cows.* 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. 034119
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of **dairy** *cows],* not only on the elimination of the metalloid via the mammary glands. 034280
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of **dairy** *cows:* energy efficiency, digestive and metabolic aspects. 034288
Influence of the type of forage harvester on the silage intake level and the performances of **dairy** *cows.* 034293
Feeding and replacement value of calcium hydroxide treated maize cobs for **dairy** *cows.* 034368
Transition from [winter feeding] to pasture and summer feeding of **dairy** *cows.* 034434
Problems of **dairy** *cow* nutrition in winter period. 034513

Roughage-containing feed mixtures as complete diets for **dairy** *cows.* 034529
Variation of the pre- and post-parturation body weight in the **dairy** *cow.* 034592
Immunization against Q-fever of naturally infected **dairy** *cows.* 034959
Etiology and geographical distribution of bacterial agents of mastitis in **dairy** *cows* in Slovakia in 1973 and 1974. 035262
Occurrence of latent metabolic disturbances in clinically healthy **dairy** *cows.* 035382
Agronal H poisoning of **dairy** *cows.* 035456
A model to improve forages rationally for **dairy** *cows* [Pasture management]. 038143
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of *cows* **delivering** defective calves. 035305
Energy and crude fiber content of feed and fertility **disorders** in *cows.* 034507
Functional and fine structural relationships of parathyroid glands [Nutritional diseases, *cows,* **dogs,** rabbits]. 033726
The storage of *cow* **eggs** at room temperature and at low temperatures [Reproductive physiology]. 034702
The isolation of *bovine* **ephemeral** fever virus in cell cultures and evidence of autointerference. 035001
Nutritional regime of a grist-free extraction fed to high-performance cows—results of a one-year production **experiment** on 2000 *cows.* 034499
Inhibition of *bovine* **factor** IXalpha and factor Xalpha-beta by antithrombin III. 033781
Clinical and laboratory research of *cows* on **farms** with [fertility] problems. 034848
Studies on the Clostridia content of Finnish silage and *cow* **feces** [Dairy hygiene]. 033560
Results of studies investigating the chewing and ruminating activity of *cows* **fed** rations of differently processed straw or straw treated with liquid sodium hydroxide. 034313
Ruminal properties and plasma free amino acids of *cows* **fed** purified diets containing urea or soy protein together with rice straw. 034425
Isolation of kallikrein from mammary **gland** of *cows.* 034160
On the effect of serum gonadotropin and estrogen on the hormonal activity of the thyroid and suprarenal **glands** of *cows.* 034238
Results obtained in the treatment of udder ulcers *[Cows,* **goats,** sows, ewes]. 035371
Optimum combination of age at 1st calving and 1st lactation production of **Hariana** *cows.* 033634
Retention rate in *cows* and **heifers** of intravaginal silastic coils impregnated with progesterone. 034692
Disc electrophoretic analysis of cellular components derived from Fusobacterium necrophorum *[Bovine* **hepatic** abscesses]. 035014
Nutritional regime of a grist-free extraction fed to **high-performance** *cows*—results of a one-year production experiment on 2000 cows. 034499
Characterization of human, *bovine,* and **horse** antithrombin III. 033780
The relative incidence and effect of *bovine* **infectious** keratoconjunctivitis in Bos indicus and Bos taurus cattle. 034979
Experimental production of **infectious** *bovine* keratoconjunctivitis: comparison of serological and immunological responses using pili fractions of Moraxella bovis. 035030
The prevalence of antibodies to bovine virus diarrhoea and **infectious** *bovine* rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163
The effect of calcium on the tryptic digestion of *bovine* **intestinal** calcium-binding protein. 033814
Possibilities of influencing puerperium in *cows* by **intrauterine** application of Calcium-Spofa. 034860
Cytological characteristics of *bovine* **kidney** cell culture chronically infected with foot-and-mouth disease virus. 035279
Zinc excretion of **lactating** *cows* receiving varying levels of zinc. 034322
Digestibility and the use of nutrients of green feeds by **lactating** *cows.* 034520
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a **lactating** *cow* [Toxicity tests]. 039562
Characteristics of the major internal protein and RNA-dependent DNA polymerase of *bovine* **leukaemia** virus [Cattle, sheep]. 035108
Phagocytic activity of *bovine* **leukocytes** during pregnancy [Staphylococcus aureus]. 035034
Use of rennin and pepsin in a 50:50 mixture and of *bovine* **liquid** rennet in the "caciotta" technology [Cheese making]. 032944
Isolation and characterization of a photolabile corrinoid-polypeptide complex from *bovine* **liver.** 033837
Effect of sodium dodecyl sulfate on the dissociation of *bovine* **liver** catalase. 034026
The interaction of tetraiodofluorescein with glutamate dehydrogenase from *bovine* **liver.** 034211
Prostaglandin-sepharose: application to the purificaton of *bovine* **lung** 15(S)-hydroxyprostaglandin dehydrogenase. 034170
Dissociation of the DNA replicase system of *bovine* **lymphocyte** nuclei. 033793
Conventional milking machines and the risk of infection of the *bovine* **mammary** gland. 035004
Investigation of interrelationship between the inhibitory activity of milk with different beta-lactoglobulin types and the resistance of *cows* to **mastitis.** 034627
Identification of *cow's* **milk** in sheep's milk and sheep's milk cheeses [Adulteration]. 032107
Contribution to the study of variations of mineral salt content in *cow's* **milk** in different regions of France. 032986
Major elements of *cow's* **milk.** 032995
Factors affecting progesterone concentration in *cow's* **milk** and dairy products. 034001
Vitamin content in the blood and **milk** of *cows.* 034230
Structural analysis of the triacylglycerols of *bovine* **milkfats.** 033013
The triacylglycerol compositions of *bovine* **milkfats.** 033016
From "**mother** *cow*" to "brood cow". Some impressions of a visit to the world's largest embryo transplant center [Breeding]. 034715
Study on milk yield and milk composition of purebred **Murrahbuffalo** *cows* and of crosses with native buffalo bulls. 034874
Potassium concentration in *bovine* **muscle** as influenced by carcass location, breed, sex, energy intake, age and shrunk body weight. 033089
Do *cows* **need** more exercise? 033629
Estimation of milk production in **nursing** *cows* during early lactation. 033749
Number of sucklings and grazing time of calves in **nursing** *cow* herds. 034295
Mating times of heifers and milk productivity of **once-calved** *cows.* 034868
Synthesis and biological activity of some cystine peptides from the active center of the basic trypsin inhibitor from *bovine* **organs** (Kunitz-Inhibitor). 033922
The role of lysine in the action of *bovine* **pancreatic** ribonuclease A. 033782
125I [iodine isotope] radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH *[bovine* **parathormone**] with high specific activity and without destroying biological activity. 034122
Use of uterine capsule in treatment of the *cow* [after **parturition].** 035388
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with Black **Pied** *cows.* 034837
Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various mammalian [Calf, *cow,* **pig**] erythrocytes. 033806
On the activation of *bovine* **plasma** Factor XIII: Amino acid sequence of the peptide released by thrombin and the terminal residues of the subunit polypeptides. 034030
Bovine **plasma** oestrogens, progesterone and glucocorticoids during dexamethasone induced parturition. 034541
Steroid-protein interactions in *bovine* **plasma** [Testosterone-binding specificity]. 034694
Induction of *bovine* **polioencephalomalacia** with a feeding system based on molasses and urea. 035398
Detection of Yersinia enterocolitica in the feces and meat of pigs, *bovines* and **poultry.** 035062
The LH response of **pregnant** *cows* and their calves to synthetic LH-RH [luteinizing hormone, releasing hormone]. 034698
First stocking of an industrial dairy with pregnant heifers or young **proven** *cows.* 034833
Mastitis of *cows* and its **real** importance. 034972
Bovine **respiratory** syncytial virus in bovine respiratory pathology. 034987
Comparative performance of buffaloes and **Sahiwal** *cows* as dairy animals. 033600
Correlation of vitamin A and zinc concentration of seminal plasma to fertility of *bovine* **semen.** 034454
Inactivation by detergents to the proline transport system in membrane vesicles from Escherichia coli and its reactivation by *bovine* **serum** albumin. 033799
Isolation and physico-chemical characterization of *bovine* **serum** and colostral immunoglobulin G (IgG) subclasses. 033924
Electrochemical properties of blood and lymph proteins of *cows* **sick** with lymphomatosis. 035241
Correlation of phenotypic variation of milk production and genetic variations of transferrin and hemoglobin types in **Simmenthal** *cows.* 034601
Oblivion for **Soane's** *cow* barn? 040345
Carbohydrate concentrates as an essential additive for *cows* on **sown** pastures. 034508
Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of *bovine* **spermatozoa** frozen in French straws. 034664
The distribution of calcium in *bovine* **spermatozoa** and seminal plasma in relation to cold shock. 034696
Changes of antigene properties of the *bovine* **spermatozoa** during their maturity in the epididymis and ejaculation. 034805
Move over, milky way—our *cows* are **stars** too [Dairy cattle]. 033694
The effect of the presence of the metal prosthetic groups on the subunit structure of *bovine* **superoxide** dismutase in sodium dodecyl sulfate. 034137
Comparison of the catalytic properties of *[bovine]* **thrombin** and trypsin by kinetic analysis on the basis of active enzyme concentration. 034023
Disulfide bond-modified trypsinogen: Role of disulfide 179203 on the specificity characteristics of *bovine* **trypsin** toward synthetic substrates. 034038
Bovine **tuberculosis** [Control]. 034969
Effect of tuberculinization on the blood proteins of camels and *cows* **[Tuberculosis,** treatment]. 035239
Relation of the hydrogen-ion concentration of *cow* **urine** to pure acid-base extract. 034232
Purification and properties of *bovine* **uterine** glutamic dehydrogenase: a comparison with the liver enzyme. 033987
Study of persistance of foot-and-mouth disease antibodies in calves born from **vaccinated** *cows.* 035024
The future of *bovine* **viral** vaccines. 035053
The prevalence of antibodies to *bovine* **virus** diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163
A calf per *cow* per **year** [Breeding]. 034614
Problems of feeding high **yielding** *cows* according to energy requirements. 034340

BOXES

Stacking nine large **fruit** *boxes* one above the other in storehouses. 033378
Larger *boxes* for higher efficiency and lower costs [for storing fruit]. 033375
Static test of **safety** *boxes* and protective framings on agricultural tractors. 040410
Who designed the **Schmitt** *Box?* [Insect collections]. 039652
A contribution to determining the forces used by drinking calves to the front wall of the **single** *box* and during the shift. 040313

BOYS

Food additives and hyperactivity; a comparison of food additives in the diets of normal and **hyperactive** *boys.* 032204

BRACHYSTEGIA

[Seasonal] variation in the mineral contents of leaves of trees in miombo woodland [Brachystegia spiciformis, *Brachystegia* **boehmii,** Julbernardia globiflora] in South Central Africa. 037918

BRACKEN

Hematological studies on grazing cattle with petechia on the visible nucous membrane *[Bracken* **poisoning].** 035423

BRACKISH

Brackish-water and **fresh-water** species of the diatom genus Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036108
The influence of salinity on the growth of some plankton diatoms from *brackish* **water.** 037140

BRACONIDAE

Opius dureseaui n. Sp. (Hymenoptera, *Braconidae,* **Opiinae**) reared on Agromyza frontella Rondani (Diptera, Agromyzidae). 040157
Three oriental Opiinae (Hymenoptera, *Braconidae)* from the **Townes** Collection [New taxa]. 040162

BRAHMAN *see* CATTLE

BRAIN

Brain **acetylcholine:** control by dietary choline. 032455
A macroscopic study of the *brain* of **Bison** bison bison, the American plains buffalo. 033731
The character of functional associations of neurons determined by RNA and SH [sulfhydryl]-groups in the **cat** *brain* cortex. 034219
Amino acids, their annalogues and ninhydrine positive substances in **cattle** *cerebellum.* 033828
Cell-free synthesis of tubulin 1 and tubulin 2 on polysomes isolated rom embryonic **chick** *brain.* 033789
Analysis and control of the projection of ocellar information in the *brain* of **cockroaches** [Periplaneta americana, Blabera fusca]. 039650
Electrophysiological study of connections between some subcortical nuclei and the *cerebral* **cortex** [Cats]. 033900
Influence of local strychninization of the *cerebral* **cortex** on the cortical rhythmic afterdischarge [Cats]. 034193
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on **cultured** *brain* cells from chick embryos of different ages. 033892
Gamma-aminobutyric acid receptor on vascular smooth muscle of **dog** *cerebral* arteries. 033835
The effect of the vitamins A and E on the amino acids composition of proteins in different segments of the *brain* in **old** animals [Rats]. 032500
Ether lipid metabolism: incorporation of O-Hexadecyl ethanediol into **rat** *brain* lipids. 033795
Brain **research** on the navigation system of flies [Drosophila]. 039889
Selective effect of a maize diet in reducing serum and brain tryptophan contents and blood and *brain* **serotonin** levels. 032384
Experimental study of a rabies vaccine from **sheep** *brain* tissue inactivated with ultraviolet rays. 035282
Effects of venom from the scorpion Heterometrus fulvipes onsome enzyme systems of **sheep** *brain.* 035448
Respiratory effects of H+ [hydrogen ion] and dinitrophenol injections into the *brain* **stem** subarachnoid-space of fetal lambs. 033849
Selective effect of a maize diet in reducing serum and *brain* **tryptophan** contents and blood and brain serotonin levels. 032384

BRAN

Purification and characterization of lipolytic acyl-hydrolases from **rice** *bran.* 033249

Digestibility and nutritional value of some forages (white clover hay, ryegrass, carrot-roots and **wheat** *bran)* for ponies. 034282

BRANCHES

Application of linear programming in the determination of an optimum organization of the **cattle** *branch* under varying conditions. 031245
Structures of *multi-branched* **dextrins** produced by saccharifying alpha-amylase from [rice] starch. 033262
Ecotoxicology—a **new** *branch* of toxicology: a general survey of its aims methods, and prospects [Pollution]. 041513
The **Northeast** *Branch* Station [University of Arkansas, Agricultural Experiment station]. 031023
Nature protection: new or **old** *branch* of science? 041614
Granulated etherel and ARD-1266 as **potential** *branch* inducing agents of geraniums. 036944
The **Southeast** *Branch* [Agricultural] Experiment Station [University of Arkansas]. 031024
Horticulture and **viticulture**—*branches* of agriculture with good prospects for the future. 038470
Studies on the *branch* **wood** of sugi (Cryptomeria japonica D. Don). I. On the variation of tracheid length in the branches of 36 years old sugi. 035705

BRASSICA

On the estrogenic effect of white **cabbage** *(Brassica* oleraceae) [Tested on mice]. 032495
In vitro propagation of red **cabbage** *(Brassica* oleracea L. Var. capitata). 037779
In vitro production of plants from pollen in *Brassica* **campestris** [Bird rape, plant breeding]. 036408
Effect of black polyethylene mulch on the growth, earliness and yield of **cauliflower** *(Brassica* oleracea var. botrytis). 041015
On phenolic acids of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of *Brassica-Species* and **leaves** of other Cruciferae. 033485
Genetical and physiological investigations on mutants for polyenoic fatty acids in rapeseed, *Brassica* **napus** L. I. Selection and description of new mutants. 036718
A waxless mutant in **rai** *(Brassica* juncea Coss). 036458
Genetic improvement of oil quality of **rape** *(Brassica* napus L.). 036639
Femur zinc, magnesium, and calcium in rats fed Tower **rapeseed** *(Brassica* napus) protein concentrate. 032410
Nitrogen metabolism of **Raya** *(Brassica* juncea Coss.) during germination under simulated drought. 037340
Evaluation of various forages of *Brassica* **species** for theirnutrients [Varieties]. 038032

BRASSICACEAE

Phytochemical phylogeny of the *Brassicaceae* **(Cruciferae)** from the Capparidaceae. 036075

BREAD

Results of the 17th quality test and evaluation of *bread* and other **baked** products by the German Agriculural Association. 032026
Amines of the volatile components of *bread* **baked** from dough prepared by different methods. 033149
Bread and other **cereal** products in modern human nutrition. 032246
Mineral supply by *bread* and **cereal** products. 032248
Soy-fortified **gluten-free** *bread.* 032310
A sugar-free formula for regular and **high-protein** *breads* [Wheat flour, soy flour]. 033189
Incorporation of sunflower seed meal in *bread* [to **improve** nutritional quality]. 032369
When the land is thirsty, there is no *bread* for **man** [Irrigation]. 041226
Development of high **protein** *bread.* II. Soya flour utilisation. 033266
Methyl bromide fumigation. I. Effect of high dosages on *breadmaking* **quality** and germination of wheat. 033206
Measures to improve the *bread* **quality** at the Galatz bakery. 033290
Utilization of iron from enriched **wheat** *bread* by normal and anemic rats. 032198
Lack of effect on blood lipid and calcium concentrations of young men on changing from white to **wholemeal** *bread.* 032184

BREAKAGE

Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of recessive lethals in the absence of detectable **chromosome** *breakage.* 039881
The role of phytohormones in *breaking* **deep** dormancy of Acerseeds, depending on their maturity. 037900
Deep *breaking* up of compacted soils, affected by successive surplus and shortage of rain water. 041192
DNA *breakage* caused by dimethyl mercury and its repair in a slime mould, Physarum polycephalum [Fungi]. 037131
Effect of a *light-break* on the **growth** and development of Epilobium hirsutum and Lythrum salicaria in short photoperiods. 036761
Breakage of **long-grain** rice in relation to kernel thickness. 033201
What is the possible role of gibberellin in the *breaking* of **potato** dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
Detection of cell **wall** *breaking* ability by cellulase of Alternaria brassicae (berk.) Sacc. [Potatoes]. 038603

BREAKDOWN

Further determination **concerning** *breakdown* of PCNB [pentachloronitrobenzene] in head lettuce cultivated under glass. 039596
Breakdown of **phosphatidylinositol** in the pancreas in response to pancreozymin and acetylcholine. 033950

BREAKFAST

Evaluation of a ghetto **school** *breakfast* program. 032352

BREAST

A comparative evaluation of bone marrow haemopoiesis in the *breast* **bone** and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
Vulnerable periods of lactation - a view on *breast* **feeding** practices in Brazil. 032220
The epidemiology of *breast* **feeding** [Nutrition, immunity]. 032474
Breast-feeding: **first** thoughts. 032444
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and *breast* **height** cross-section area and the number of trees per area unit on the other. 035622
Eating quality and thiamin retention of **turkey** *breast* muscle roasted and "slow-cooked" from frozen and thawed states. 032250

BREATHING *see* **RESPIRATION**

BREEDING

Notes on *breeding* **aberrations** of the Chalk Hill Blue: Lysandra coridon (Poda). 039721
A faster completion of the high lysine barley program by growing a winter generation in South **America** *[Breeding].* 036699
Some unkind remarks about advertising **[Animal** *breeding* business]. 031713
Extensive **animal** *breeding* even tomorrow? 034850
The risk of using young bulls as *breeding* **animals.** 034716
Productivity of *straightbred,* **backcross** and three-breed cross beef dams [Cattle]. 034733
The haploid technique in **barley** *breeding.* 034597
Breeding of **barley** with stiff culms and few tillers. 036578
Problems of *breeding* **barley** with a high lysine content in the light of genetic, biochemical and nutritional studies. 036616
Breeding **behavior** of resistance to green peach aphid [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. 036387
Breeding **biology** of Coprinus species in the section Lanatuli [Fungi]. 037316
Effects of clearcutting [Quercus, Carya, Acer rubrum, Pinus] on the diversity of *breeding* **birds.** 035477
Genetics and *breeding* of **black** currant. I. Methods of selecting samples for selection-genetic analysis. 036517
Influence of lint percentage, boll size, and seed size on lint yield of Upland cotton with high fiber strength *[Breeding,* selection]. 036433
An outbreak of viral arthritis in **broiler** *breeders* [Chickens]. 035041
A new gigantic tobacco form resistant to diseases *[Breeding,* **Bulgaria].** 036471
Flooring for housing of *breeding* **bulls.** 040393
Studies into stressor action on calf organism in the contest of adjustment after movement to industrialised young **cattle** *breeding* unit. 034108
Beef cattle improvement. Lecture delivered Africander **Cattle** *Breeders'* gahering, POtschefstroom, May 1975 [Breeds]. 034546
A method for formation of analog groups in research on genetics and *breeding* **[Cattle].** 034813
Gynecological dispensary system on large farms **[Cattle,** *breeding].* 034852
New method of hygienic removal of spermatozoa in the operation of **cattle** *breeding* stations. 034859
Beef—from trail drives to America's main course **[Cattle,** *breeding].* 034870
From "mother cow" to "brood cow". Some impressions of a visit to the world's largest embryo transplant **center** *[Breeding].* 034715
Evaluation of the use of the shortened vagina in collecting bull spermatozoa at the *breeding* **center** of Nove Mesto nad Vahom. 034856
Winter hardiness of bees [Apis mellifera] as a *breeding* **characteristic.** 040283
Genetics and *breeding* of **42-chromosome** triticale. II. Relations between chromosomal variability and reproductive characters. 036429
When will you have insect-resistant **cotton?** *[Breeding].* 036625
Selection-index for **cows** *[Breeding].* 034718
Is induced calving right for your **cows?** *[Breeding].* 034789
Advance in plant sciences **[Crop** *breeding].* 036532
A new species of *bromeliad-breeding* **Culex** (Culex) [dohenyi] from Cocos Island. 040119
Significance of agroecotypes of cereals in the Carpathian region for **cultivation** and *breeding.* 038097
Plant improvement work with vegetables at Hammenhog **Department** *[Breeding].* 036700
Interest in growing Geraniums *[Breeding* for **disease** resistance]. 036709
Reaction of diallel crosses of maize in T and N cytoplasms to Bipolaris maydis race T *[Breeding* for **disease** resistance]. 038599
Scheme for improvement of sugarcane resistance to pests and **diseases** *[Breeding].* 036401
Role of beekeepers in the **district** *breeding* of bees [Apis mellifera]. 040308
Comparative primate reproductive endocrinology: advancements important in **domestic** *breeding* programs. 034712
The *breeding* of **ducks** for egg production. 034648
Breeding for **fattening** performance and carcass quality in the mutton sheep population. 034829
Danish **Fur** *Breeders* Association. Report of activities 1974/1975. 033611
Use of potato haploids in *breeding* and **genetic** studies. 036659
Acute irradiation of vegetating plants and prospects of its use in plant growing and *breeding* **[Genetics].** 036610
Grape *breeding* and adaptation [for insect pest resistance]. 036538
Influence of sex and percent Brahman [cattle] *breeding* on **growth** and carcass traits [Performance]. 034729
Studies on clonal selection of sugarcane at different levels of nitrogen fertilization *[Breeding,* **heredity].** 036636
Production of genetic heterogeneity and some aspects of **heterosis** *breeding* in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. 036688
The genetics of photosynthesis and rational means of *breeding* **highly** productive plants. 036548
Trials involving **hybrid** *breeding* [Swine]. 034717
Breeding **hygiene** in industrialised dairy units. 2. Management, organisation, and control of reproduction periods. 034747
Breeding **hygiene** in industrialised dairy farming units. 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. 034748
Castor [beans] production can be **improved** *[Breeding].* 036554
Yellow-seeded rape and turnip rape. II. *Breeding* for **improved** quality of oil and meal in yellow-seeded materials. 036701
Lily *breeding*—Asian hybrids [Lilium]. 036697
Genetic resources of animal populations **[Livestock** *breeding,* research projects, Italy]. 034655
Livestock *breeding* in conditions of intensification of agriculture. 034777
Breeding for **low** content of glucosinolates in rape and turnip rape [Analysis]. 033299
Toward sturdier stalks *[Breeding* **maize** for lodging resistance]. 036377
Evaluation of lysine content in [barley and wheat] *breeding* **material** by the colorimetric method. 037572
Possibilities of increasing beef production under factory-like conditions through *breeding* **measures.** 034578
Streamlining the hog, an abused individual *[Breeding* for **meat].** 034871
Genetic control of immune responses to parasites: selection for responsiveness and nonresponsiveness to [the nematode] Trichuris muris in *random-bred* **mice.** 035180
Cross-breeding within and between different **mink** lines. 034844
Jet [black]-Aleutian **mink** *[Breeding].* 034846
Achievements in *breeding* of **monogerm** sugarbeets. 036624
Chinchillas. XXVII *[Breeding,* **mutations,** varieties]. 034842
Breeding for **mutations.** II. [Ornamental plants]. 036696
On **newly** *bred* varieties of mazzard cherries in the southern Ukraine. 038474
Screening for fatty acids in **oilseed** *breeding* programmes using lipase and paper chromatography. 036564
Certain experiences concerning the farm management analysis of *cattle-breeding* on the **Papa** State Farm [Hungary]. 031297
Comparative study on the *breeding* **performance** of various breed sows kept under large-scale conditions. 034539
Arctic fox during the *breeding* **period** [Feeding]. 034356
Occurrence of arthritis in sucking piglets in an industrialised **pig** *breeding* unit. 035363
Improving a nation's **pigs** *[Breeding].* 034772
Problems in **planning** *breeding* work with cattle. 034824
In vitro production of plants from pollen in Brassica campestris [Bird rape, **plant** *breeding].* 036408
Innovative approaches to genetics in agriculture **[Plant** *breeding].* 036410
State and trends in ornamental **plant** *breeding* on an international scale. 036493
The Institute of **Plant** *Breeding* of the Agricultural University in Wageningen (Holland). 036619
Prospects of the use of achievements of molecular biology in agriculture **[Plant** *breeding].* 036653
Heritability of useful traits of swine and the effectiveness of *breeding* on their **polyploidy.** 034867
Breeding **potentials** of noncultivated cottons. I. Some agronomic and fiber properties of selected parents and their F1 hybrids. 036422

Poultry *breeding* research for self sufficiency. 034779
Sugarcane flowers in Egypt: improvement of field crops **productivity** *[Breeding].* 036556
Breeding **[program]** characteristics of the Gritsevolia Pine Forest Reserve. 035669
The Landhill [cattle] *breeding* **programme.** 034703
Is **pure-line** *breeding* or crossbreeding successful? I [Apis mellifera]. 040232
Our knowledge of [honeybee] **queen** *breeding.* 040305
Selection of Armenian yellow bees [Apis mellifera, *breeding,* **races].** 040277
Use of ethylenimine in forage **rape** *breeding.* 036658
Legal regulation of *breeding* and **reproduction** of farm animals. 034858
Effects of pasture management systems and season of *breeding* on **reproductive** performance of beef cattle. 034724
Number of replications and reliability of the experiment in winter wheat trials *[Breeding* **research].** 036375
Heredity and infectious diseases of domestic animals **[Resistance** *breeding].* 034564
Creation of wheat varieties in relation to the dynamics of the racial composition of brown rust **[Resistance** *breeding].* 038828
Notes on *breeding* the **ringlet:** Aphantopus hyperantus (Linn.) ab. pallens Schultz and ab. lanceolata Shipp. 039722
New approaches in **rose** *breeding* [in Canada]. 036536
Bibio marci L. (Diptera, Bibionidae) *bred* from a **rottin** stump. 039701
Alternatives in **rye** *breeding.* 036530
Observations and conclusions concerning **rye** *breeding.* 036615
Remarks on **rye** *breeding.* 036617
Work remuneration in **sheep** *breeding.* 034802
On the evaluation of ram genotype with regard to the quality of the offspring as a result of *interbreeding* of **sheep.** 034811
Rate of respiration of *breeding* **stock** sugarbeets stored in containers and in fixed storage areas. 037607
Man-molded cereal—hybrid corn's **story** *[Breeding].* 036714
Producing seedlings in a **strawberry** *breeding* programme. 036490
Genetic and *breeding* **studies** on Nicotiana tabacum L [Tobacco]. 036494
Status of **swine** *breeding* at livestock shows, 1975. 033644
Development of joint agricultural enterprises for **swine** *breeding* and fattening. 033687
Proposed on-the-farm testing program for **swine** *[Breeding].* 034734
Finding out about criss-crossing **[Swine,** *breeding].* 034771
Large litters, big pigs from Duroc cross **[Swine,** *breeding].* 034773
Scots sire-lines shave baconers' backfats **[Swine,** *breeding].* 034775
What future for sire lines? **[Swine,** *breeding].* 034776
Androhaploids and restitutional diploids induced in vitro as the initial material for the analysis and for the selection of characters in **synthetic** *breeding* [Tobacco]. 036510
Biological principles of the formation of the type of dairy cattle for enterprises and farms with industrial **technology** *[Breeding].* 034804
Studies on beta-carotene and lycopene content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids **[Tomatoes,** *breeding].* 036628
Pig improvement—where is it leading **us?** *[Breeding].* 034774
The *breeding* and **utilization** of baboons for biomedical research [Laboratory animals]. 034714
Fruit roses with a high content of vitamin C [Rosa rugosa, Rosa canina, Rosa damascena, *breeding,* **varieties].** 038557
Improving food values of **vegetables** [through *breeding].* 036535
Nutritional bioassay of wheat grain for a **wheat** *breeding* program. 032303
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of winter soft **wheat** *[Breeding].* 036475
New varieties, problems with **wheat** *breeding.* 036531
Results, targets and prospects of spring **wheat** *breeding* in the southeast of the European part of the USSR. 036654
A calf per cow per **year** *[Breeding].* 034614

BREEDS

Livestock at the country fair: **cattle** *[Breeds].* 033604
Adaptation of local and acclimatized **cattle** *breeds* to high temperatures and solar radiation. 034178
Experiences on the acclimatization of the Limousine **cattle** *breed* at the Hajduszoboszlo State Farm [Hungary]. 034550
Growth differences between the beef **[cattle]** *breeds.* 034615
Genetic polymorphism of milk proteins in Japanese cattle and European **cattle** *breeds* in Japan. 034706
Comparisons of Chianina X Hereford and Chianina X Angus heifers [Beef **cattle** *breeds].* 034720
Comparative study: carcass and meat characteristics in young bulls of the Campine Red Pied and **Charolais** *breeds* slaughtered at the age of 16 months. 033038
Progress report on **cow** *breed* evaluation at Southhampton farm. 034796
Preweaning maternal heterosis of backcross and *three-breed* **cross** beef dams [Cattle]. 034732
Productivity of straightbred, backcross and *three-breed* **cross** beef dams [Cattle]. 034733
Influence of the type of forage harvester on the value of grass silages for heifers of **dairy** *breeds.* 034292
Polledness and intersexuality in the **Damascus** *breed* of goat. 034562
Breed **differences** in the length of the bovine Y chromosomes. 034567
Names of *breeds* of **domestic** animals [in Slovak and its local dialects]. 034553
Evaluation of female reproductive performance of 28 one-way crosses produced from **eight** *breeds* of swine. 034557
Embryo transplants from **exotic** *breeds* [of beef cattle]. 034725
Blood groups of sheep. II. Supplementary antigenic factors in the systems A, B, C and M; estimation of the allelic frequencies in the systems A, B, C, D, M and R of the **French** *breeds* Berrichon, Ile-de-France and Texel. 034566
Factors influencing weaning performance in Florida BCIA [Beef Cattle Improvement Association] **herds** *[Breeds].* 034593
The military herd **[Horses,** *breeds].* 034552
Cutaneous heat exchanges of piglets reared in a tropical climate. I. Influence of climatic conditions and **influence** of the *breed.* 033748
Breed, **line,** sex and diet effects and interactions in swine carcass traits. 034659
A 20-year run on tests for early growth, *breed* **mixing** for beef tonnage [Cattle]. 034741
Breedng of the **Murakozi** *breed.* 034549
Comparing **national** *breeds* of Landrace [Swine]. 034770
New *breeds* of swine: Chester White and Spotted swine. 1. Their characteristics and economic aspects. 034554
The marketing of 2 1/2 year old Africander slaughter steersof the veld *[Breed* **performance].** 034548
Beef cattle improvement. Lecture delivered Africander Cattle Breeders' gahering, **POtschefstroom,** May 1975 *[Breeds].* 034546
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol *[Breed* for **resistance** to the cotton bollworm, Heliothis virescens]. 036391
Fertility of liquid boar semen as influenced by *breed* and **season.** 034661
Potassium concentration in bovine muscle as influenced by carcass location, *breed,* **sex,** energy intake, age and shrunk body weight. 033089
Evaluation of mutton quality traits of four Indian carpet type **sheep** *breeds.* 032084
Livestock at the agricultural fair: **sheep** *[Breeds].* 033603
Investigation on udder functional peculiarities in the Pleven Blackface **sheep** *breed.* 034244
Comparative study on the breeding performance of various *breed* **sows** kept under large-scale conditions. 034539
Influence of length of feeding period, ration and *breed* on **steer** growth rate. 034445
Blood genetic markers in **two** *breeds* of ponies from Poland. 034565
Genetic polymorphims of amylase and ceruloplasmin in **two** *breeds* of **hogs raised in the** southern UkrSSR. 034602
Decline of animal power and rearing of solipeds, mechanization of agriculture: For large scale production of meat horses, creation of meat **type** *breeds.* 034610
Prediction on the lean content of lamb carcasses of different *breed* **types.** 033086
Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large **White** *breed* [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606

BREVIBACTERIUM

Comparison of batch and semicontinuous cultures for production of protein from mesquite [Prosopis] wood by *Brevibacterium* **sp.** JM98A [Feed]. 033506

BREVICOMIN

A stereoselective total synthesis of exo- and *endo-brevicomin* **[Dendroctonus** brevicomis, control]. 039390
Studies directed toward a practical synthesis of *brevicomin.* IV. **Formation** and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of *brevicomin.* V. **Isomer** enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. 039392

BREVICORYNE

Nesting place of the cabbage aphid *[Brevicoryne* **brassicae].** 039348

BREWING

Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in *brewing* **[Barley,** fungus Trichothecium roseum, Aspergillus oryzae). 033148
Connection between protein content and malt extract yield in *brewing* **barley.** 033279
Spelt content of *brewing* **barley** as a quality determining variety characteristics. 033280
An overview of the **British** *brewing* industry—problems and challenges. 032731
Industrial waste waters in rural districts *[Brewing* and **canning** wastes]. 041675
High **concentrated** *brewing.* 032878
The 15th **European** *Brewery* Convention congress in Nice [Abstracts of papers]. 032880
The 15th **European** *Brewery* Convention congress in Nice [Abstracts of papers]. 032881
The 15th **European** *Brewery* Convention congress in Nice [Abstracts of papers]. 032882
Comparative test methods for identification of proteins **[Malting,** *brewing].* 032726
Fate of **ochratoxin** A in *brewing.* 032720
Treatment of *brewery* **residual** waters. 041494
Accelerated fermentation of *brewer's* **wort** by Saccharomyces carlsbergensis **[Yeasts].** 032719
Pyruvate dehydrogenase complex from *brewer's* **yeast** [Saccharomyces carlsbergensis]: regulation blythe carbon source. 037312

BRINE

Microbial inhibition by an isolate of Pediococcus from **cucumber** *brines.* 031950
Epidemiology of Vibrio parahaemolyticus infection in humans[Raw fish, shellfish, and **cucumbers** in *brine].* 032111

BRINJAL *see* EGGPLANTS

BRISTLES

Scutellar *bristles* pattern in Drosophila melanogaster. 039765

BROADBEANS

Chromosomal variation in calluses induced in Vicia faba *[broadbeans]* and **Allium** cepa [onions]. 036574
Megasporogenesis and microsporogenesis in Vicia **faba** *[Broadbeans].* 036292
Effect of cycocel on growth, flowering and yield of Vicia **faba** L. *[Broadbeans].* 037339
Virus diseases of vegetable crops in Apulia. XVIII. Shoe stringing of *broadbean* **(Faba** vulgaris Moench. var. major). 038915
Regulatory action of blue light on the activity of carboxylating enzymes and enzymes of the glycolate pathway in *broadbean* and **maize** plants. 037449
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosome mutations **[Onions,** *broadbeans].* 036667
Control of broomrape [Orobanche crenata] in *broadbean* and **pea.** 039154
Possible participation of peroxidase in reduction of nitrates in **plants** *[Broadbeans].* 037585
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of growth regulators in geotropically stimulated Vicia faba **roots** *[Broadbeans].* 037885
Root tips of Vicia faba *[broadbeans]* for the **study** of the induction of chromosomal aberrations. 036601
Effect of sodium on the growth of and ion uptake by barley, **sugarbeet** and *broadbeans.* 037467
Agronomic investigations on cultivars of **table** *broadbeans* (Fava vulgaris Moench var. major Harz) and preliminary observations on deep-freezing of their beans. 038462
Modification of the radiation effect by different factors in ageing seeds of *broadbeans* **(Vicia** faba L.). 037410

BROILERS *see* POULTRY

BROMELIACEAE

A new species of *bromeliad-breeding* **Culex** (Culex) [dohenyi] from Cocos Island. 040119

BROMIDES

Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of peptides from **cyanogen** *bromide* hydrolysate. 033783
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast [Saccharomyces cerevisiae] by **ethidium** *bromide* and berenil. 037124
Methyl *bromide* fumigation. I. Effect of high dosages on breadmaking quality and germination of wheat. 033206
The use of a specific ion electrode for determination of *bromide* in **soils** [Tracer studies of the movement and distribution of nitrogen fertilizers]. 041047

BROMINE

The isolation and structure of 6"-bromo-isoarboreol—the **first** *bromine* containing lignan [Gmelina arborea]. 037300

BRONCHITIS

Experimental studies on the immunization of avian **infectious** *bronchitis* virus: immunogenicity of the CK attenuated virus. 035010
THe characteristics of a new Australian **infectious** *bronchitis* virus [Poultry]. 035081
Verminosis or **verminous** *bronchitis* [Livestock]. 035005

BROOD

Humidity inside the hive and *brood* **activity** by the honeybee (Apis mellifica L.) in a flight room. 040194
Humidity inside the beehive and *brood* **activity** of the honeybee (Apis mellifera L.) in a flight room. 040195
From "mother cow" to *"brood* **cow".** Some impressions of a visit to the world's largest embryo transplant center [Breeding]. 034715
Yield losses in maize caused by different levels of infestation of *second-brood* **European** corn borers [Ostrinia nubilalis]. 039288
American **foul** *brood* [Bees]. 040293
Performance of broilers during *brooding* at **high** densities. 033609

BROOMRAPE

Control of *broomrape* **[Orobanche** crenata] in broadbean and pea. 039154

BROTHS
Considerations on the area of distribution and ecology of Tortula **desertorum** *Broth.* in Spain. 035935
Scanning electron microscopy of the backs of Tortula **desertorum** *Broth.* leaves coming from different localities in Spain. 036259
A comparison of strontium selenite broth and **mannitol-selenite-cystine** *broth* in the isolation of salmonellae from egg products. 031962

BROWN
Sex expression in aneuploid gametophytes of the *brown* **alga** Ectocarpus siliculosus (Dillw.) Lyngb. 036390
Polysaccharides of *brown* **algae** [Phaeophyta]. VIII. A study of pelvecyan and sargassan by methylation. 036894
Comparative study on the effect of fattening **Bulgarian** *Brown* bull calves and F1 Black Pied crosses. 034534
Do **carbonylamine** *browning* reactions [in food] occur in vivo? [Tests with rats and human plasma]. 032340
Autosomal chromosome translocation of Piebald cattle and *Brown* **cattle.** 034612
Age specificity of the amino acid composition and nitrogen content in the connective tissue of **Caucasian** *Brown* cattle. 034180
The *brown* **dog** tick (Rhipicephalus sanguineus) on an imported dog. 039491
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and *brown* **dog** tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Enhance *brown* sarson [bird rape] yields in drylands. 038028
Brown **forest** and Brown pseudopodzolic soils of the Soviet Union. 040600
Identification of Yellow soil, Red soils, and *Brown* **Forest** soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Some aspects of the application of fertilizers to wheat on *Brown-Reddish* **forest** soil. 041054
Control in **internal** *browning* of 'Schmidt' sweet cherries [due to bruising during mechanical harvest] by handling in water. 033385
Fungicidal control of secondary air-borne infection of *brown* **leaf** spot of rice [Cochliobolus miyabeanus]. 038652
Influence of nematicides on growth of plots of white clover on a *yellow-brown* **loam.** 039040
Nonenzymic *browning.* XIV. Reaction of phospholipids with 1,4-benzoquinone. XIV. Reaction of phospholipids with 1,4-benzoquinone. 032922
The polyphenol of Dioscorea alata (yam) tubers associated with **oxidative** *browning.* 033416
Participation of Amadori rearrangement products and carbonyl compounds in **oxygen-dependent** *browning* of soy sauce [during storage]. 033253
Brown forest and *Brown* **pseudopodzolic** soils of the Soviet Union. 040600
Recession *brown* stain [Cytosora disease of Pinus ponderosa]. 035695
Brown **rot** [Piptoporus betulinus] of [Betula] wood as a model for studies of lignocellulose humification. 035700
Technical and sanitary aspects on the control of *brown* **rot** [Monilia] of peaches and plums [Fungicide residues]. 038727
Creation of wheat varieties in relation to the dynamics of the racial composition of *brown* **rust** [Resistance breeding]. 038828
Brown **sapwood** stain of ponderosa pine [Pinus] caused by Cytospora sp.: cultural and histological aspects. 038764
Sulphated polysaccharide of the thallus of *brown* **seaweed** Undaria pinnatifida, Wakame. 032849
Identification of *Cinnamon-Brown* **soils** in Krasnodar Kray. 040826
Weather conditions and airborne conidia of Helminthosporiumoryzae in west Bengal *[Brown* **spot** disease, rice]. 038667
Isolation of phytotoxic substances produced by Cephalosporium gregatum Allington & Chamberlain *[Brown* **stem** rot of azuki beans]. 038816
The *brown* **sugar** and coffee industries [Productive capacity, outlook, Colombia]. 031914
Sesquiterpene hydrocarbon farnesene and its relation to the apple **surface** *browning,* scald [during storage]. 033440
Variation in birth weight due to season of calving in different filial groups of *Brown* **Swiss** crossbred calves. 033967
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, *Brown* **Swiss,** Milking. 034580
Sulphur received in rainfall and leached from a **yellow** *brown* loam. 041017

BROWSING
Results of simulating **wildlife** *browsing* by cutting shoots [of forest trees]. 035481

BRUCELLA
Brucella **abortus** strain 45/20 in the control of bovine brucellosis. 034981
Isolation of *Brucella* **abortus** from two dogs in contact withbovine brucellosis. 035032
The immunogenic activity of ribosomal fractions derived from *Brucella* **abortus** [Mice, guinea pigs]. 035115

BRUCELLACEAE
Experimental production of infectious bovine keratoconjunctivitis: comparison of serological and immunological responses using pili fractions of *Moraxella* **bovis.** 035030
The structure of pili (fimbriae) of *Moraxella* **bovis** [Bacteria pathogenic to animals, infectious keratitis]. 035039

BRUCELLOSIS
Animal *brucellosis* [Goats]. 034968
Brucella abortus strain 45/20 in the control of **bovine** *brucellosis.* 034981
Use of hydrogen peroxide to disinfect installations **producing** *brucellosis* preparations. 034936
Diagnostic effectiveness of passive hemagglutination reaction and antibody neutralization **reaction** in *brucellosis.* 035234
Isolation of Brucella abortus from two dogs in contact **withbovine** *brucellosis.* 035032

BRUCHIDAE
Acid and alkaline phosphatase activity in relation to egg-laying and aging in Callosobruchus analis (Fab.) **(Coleoptera:** *Bruchidae).* 039658
A new machine and method for bulk treatment of pulses with grain protectants against pulse beetle Callosobruchus maculatus **fab.** *(Bruchidae-Coleoptera).* 039250
Field experiments on the control of the bean weevil (Acanthoscelides obtectus Say, Coleoptera, *Bruchidae)* by the **release** of sterile adults. 037798

BRUCHUS
Effects of peapollen feeding on maturation & copulation in the beetle, *Bruchus* **pisorum** L. 039802

BRUSH
The relationship between peptide hydrolases of cytoplasm and *brush* **borders** of guinea-pig small-intestinal mucosa. 034215
Texas research taps insects for *brush* and **weed** control [Biological control]. 039180

BRYOPHYTA
Comparison of the present and past *bryophyte* **[Bryophyta]** flora of Cedar Bog. 036097
1970 Spanish bryotheca *[Bryophyta,* **distribution].** 035939
1971 Spanish bryotheca *[Bryophyta,* **distribution].** 035940
Comparison of the present and past bryophyte *[Bryophyta]* **flora** of Cedar Bog. 036097

BRYOPHYTES
Clear lakes and **aquatic** *bryophytes* in the mountains of Scotland [Musci, liverworst]. 036033

BUBALUS *see* BUFFALO

BUCCULATRIX *see* LYONETIIDAE

BUCHLOE
Registration of Texoka buffalograss *[Buchloe* **dactyloides].** 036440

BUCKWHEAT
Buckwheat **[growing]** in Ukrainian forest-steppe zone. 038189
Development of *buckwheat* **heterosis** hybrids of the basis of periodic selection. 036643
Let us increase the production of *buckwheat* [in the **Odessa** province]. 038194
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of extraction of protein fractions from seeds of plants [Wheat, **rye,** *buckwheat].* 037344
Stimulation of the quality [of grain of cereals, legumes and *buckwheat,* through **state** procurement prices]. 031511

BUDDING
Action of growth substances on the initial development of sugarcane [shoots] treated with hot water *[Budding,* **rooting].** 037378

BUDGETS
Lime mud deposition and calcareous algae in the Bight of Abaco, **Bahamas:** a *budget.* 037077
The **feed** *budget* and production management. 031350
Possibilities and difficulties with **forestry** *budgets.* 035605
Common **Market's** *budget* under debate. Expenditures for the dairy sector in the limelight? 031356
Nutrient *budgets* in the Hudson River estuary [Sewage treatment, water pollution]. 041472
Fertilizing on a **reduced** *budget* [Citrus]. 040896
Water use by saltcedar [Tamarix pentandra] as measured by the **water** *budget* method [Evapotranspiration]. 037934

BUDS
Influence of environmental factors on *bud* **burst,** inflorescences, fertility, and shoot growth of vines. 037882
Cell proliferation in the **developing** *wing-bud* of normal and talpid3 mutant chick embryos. 034051
The role of abscisic acid in *bud* **dormancy** of di- and tetraploid varieties of grapevines. 037883
A comparative study of the effects of photoperiod on **flower** *bud* development and stem elongation in three varieties of Phaseolus vulgaris, L. [Kidney beans]. 037630
Effect of defoliation, shading, and tipping of shoots on **flower** *bud* development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Bud opening and **overnight** conditioning of Gypsophila 'Bristol Fairy' [Plant regulators]. 037710
Phoma glomerata in relation to *bud-blight-affected* **plants** of groundnut. 038703
Differential responses of *buds* along the **shoot** to factors involved in apical dominance [in Hygrophila]. 037040
Shoot system and **terminal** *bud* of Salicaceae [Populus, Salix]. 036336

BUDWOOD
Virus-free *budwood* sources. II. The Valencia orange. 038894

BUDWORMS
Esponse of the ovenbird (Aves: Parulidae) to an outbreak of the **spruce** *budworm* [Choristoneura fumiferana, control]. 039386

BUFFALO
Studies on epinephrine & carbachol induced metabolic changes in *Bubalus* **bubalis** [Buffalo calves]. 033973
Postnatal study on the histochemistry of epididymis in *buffalo* **(Bubalus** bubalis). 033700
Pathological studies on nephrolithiasis in *buffaloes* **(Bubalus** bubalis). 035329
Postnatal study on the histochemistry of epididymis in **buffalo** *(Bubalus* bubalis). 033700
Pathological studies on nephrolithiasis in **buffaloes** *(Bubalus* bubalis). 035329
Nutritive value of dried sugarbeet pulp (Beta saccharifer) *[Buffalo* **bulls].** 034391
Studies on epinephrine & carbachol induced metabolic changes in Bubalus bubalis *[Buffalo* **calves].** 033973
Carbohydrate tolerance test in *buffalo* **calves** under normal and stress situations. 033976
Effect of melengestrol acetate on the hematology of *buffalo* **calves.** 033977
Radiographic evaluation of gastrointestinal tract in *buffaloes* **calves** by barium meal study. 033981
Metabolism of urea in *buffalo* **calves** fed on diets of different crude protein content. 034382
The effect of the level of concentrates in the ration on milk yield and **composition** in *buffaloes.* 034268
A note on the difference between blood urea of *buffalo* and **cow** calves. 033993
Studies on histamine concentrations in milk and blood in health and clinical mastitis in *buffaloes* and **cows.** 033966
Foetal **dystocia** in a *buffalo.* 035327
Studies on erythrocyte sedimentation rate in *buffaloes.* I. **Evaluation** of various techniques. 033982
Macroscopic observations on pituitary gland of **Indian** *buffalo* (Bos bubalis). 033980
Skin histologic study of native and **Indian** *buffaloes* and their Bulgarian crosses. II. Sudoriparous and sebaceous glands. 034245
Meat production from *buffalo* **male** calves at different ages [Fattening]. 034265
Effect of standardization of *buffalo* **milk** fat of soft cheese yield and properties. 032936
Study on milk yield and milk composition of purebred Murrahbuffalo cows and of crosses with **native** *buffalo* bulls. 034874
A macroscopic study of the brain of Bison bison bison, the American **plains** *buffalo.* 033731
Comparative performance of *buffaloes* and **Sahiwal** cows as dairy animals. 033600
Serological relationship of taxonomically closely related domestic ruminants: cattle, *buffalo,* **sheep** & goat. 033972
Selenium levels in fodders and its relationship with Degnala disease [Cattle, *buffaloes,* **toxicity].** 035417
Genetic polymorphism and enzyme activity of plasmic alkaline phoshatase in the **water** *buffalo.* 034607

BUFFALOGRASS
Registration of **Texoka** *buffalograss* [Buchloe dactyloides]. 036440

BUFO *see* TOADS

BUGS *see* INSECTS

BUILDING
Mound-building **ants** of Washington [Formica]. 039809
Building **associations** promote building by farmers themselves [Switzerland]. 040364
Damage to electrical equipment in *buildings* **constructed** of wood must be prevented. 040416
Outlook for *building* **consumer** acceptance for cultured [dairy] products. 031544
Buildings for a **dairy** herd at Coolnakilla. 040350
Pesticide storage houses ready to serve agrochemical operations *[Building* **designs].** 040372
Organized cooperation between *building* and **equipment** enterprises when preparing and erecting industrial animal and plant production units. 040325
Roofing **farm** *buildings.* 040351
Builders and **land** reclamation in [French] Guiana. 041148
Organization of the site of *building* and the use of **machines** in forest road construction. 035517
Protection of bumblebees [Bombus] that *build* **natural** nests. 039896
Build your **own** mist [propagation] control [Designs]. 040386
Items discussed by the team for **plastic-covered** *buildings.* 040365
Function oriented location for *buildings,* a **prerequisite** for cost saving production, adaptability and further expansion of farms. 040337

Building associations **promote** *building* by farmers themselves [Switzerland]. 040364
One instrument of the energy revolution: the hot air **pump** [for *buildings].* 040381
Functionally **suitable** *building* sites, a prerequisite for competitive production, adaptability and the further existence of farms [Management]. 031243
Controlled environment is there such a **thing?** *[Buildings].* 040384

BULBOCASTANUM
Production of hybrid [potato] stock utilizing the species **Solanum** *bulbocastanum.* 036467

BULBS
Radiosensitivity **aerial** *bulbils* of garlic [chromosome aberrations]. 036367
Formation of *bulbs* in **bulb** onion as affected by the photoperiodic reaction of varieties. 037851
Temperature development in product stacks of different size and geometry **[Flower** *bulbs].* 033350
Flower *bulbs* for the garden. 038487
National economic importance of the cultivation of *bulb* **flowers** [Costs, returns]. 031477
Programming developments in the cultural combination of *bulb* **flowers/flower** bulbs in the Southern Bulb Region. 031261
Effect of **garlic** *bulb* extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of **garlic** *bulb* extract on flowering, sex ratio, and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Effect of **garlic** *bulb* crude extract on flowering, sex ratio and yield of squash. 038291
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the alimentary canal of the *bulb* **mite** [Rhizoglyphus echinopus]. 038771
The chemical control of mites infesting Freesia corms and **Narcissus** *bulbs* [During storage]. 039416
Respiration of maleic hydrazide treated and untreated **onion** *bulbs* during storage [Sprouting and behaviour]. 037629
Formation of bulbs in *bulb* **onion** as affected by the photoperiodic reaction of varieties. 037851
Cardenolides of the flowers and *bulbs* of **Ornithogalum** gussonii. 036873
Programming developments in the cultural combination of bulb flowers/flower bulbs in the **Southern** *Bulb* Region. 031261
Natural cytokinins and dormancy of **tulip** *bulbs* [Tulipa alberti]. 037864
The market for tulip **[Tulipa]** *bulbs.* 031553

BULLS
Estimate of fertility of *bulls* for **artificial** insemination. 034831
Bull **beef** production. 033597
Scrotal circumference and testicular consistency in **beef** *bulls.* 034798
Flooring for housing of **breeding** *bulls.* 040393
Comparative study on the effect of fattening Bulgarian **Brown** *bull* calves and F1 Black Pied crosses. 034534
Nutritive value of dried sugarbeet pulp (Beta saccharifer) **[Buffalo** *bulls].* 034391
Study on milk yield and milk composition of purebred Murrahbuffalo cows and of crosses with native **buffalo** *bulls.* 034874
Bilateral cryptorchidism in a *bull* **[Clinical** and anatomicalobservations]. 033874
Evaluation of the use of the shortened vagina in **collecting** *bull* spermatozoa at the breeding center of Nove Mesto nad Vahom. 034856
Crossbred *bulls* have a place. 034788
The relationship of visual scores, body measurements, and fat thickness with performance and composition of *bulls* on **140-day** feed test. 034800
Effect of glycerol solvent on the activity of **deep-frozen** *bull* [semen] ejaculates. 034854
Estimation of contamination of **deep-frozen** *bull* semen. 034855
Immunoelectrophoretic analysis (IEA) of seminal plasma and fluids from seminal vesicles and ampullae of vasa **deferentia** of *bulls.* 034588
Effects of carnitine on oxygen uptake and utilization of (U-14C) [uranium-carbon isotope] palmitate by **ejaculated** *bull* spermatozoa. 034683
Intensification of beef cattle production by achieving high carcass weights in **fattening** *bulls.* 033108
Beet pulp and dried manure as a nitrogen source (protein) substitute for **fattening** *bulls.* 034327
Osteogenesis with homogenous bone meal in fracture repair in a **Hariana** *bull* calf—a case report. 035418
Purification of creatine kinase from *bull* **heart** mitochondria. 033827
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and **Hereford** *bulls* with Black Pied cows. 034837
Morphological picture of testes of *bulls* **infected** with microorganisms of the genus Chlamydia. 035009
Results on feed consumption and nutrient requirement in **intensive** *bull* fattening as obtained in fattening test stations. 034324
Studies on semen characteristics of Tharparkar and **Jersey** *bulls.* 034651
Studies on whole semen and epididymal contents in a *bull* with **low** post-thawing sperm motility. 034767
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young Campine Red **Pied** *bulls* slaughtered at 16-17 months. 033607
Influence of feeding level on the fattening performance and carcass quality of Black **Pied** *bulls.* 034498
Effect of antibiotics on some metabolic processes in Black **Pied** *bulls.* 035203
More **proven** *bulls* are needed [Artificial insemination]. 034636
Semen quality in relation to the nutrition of *bulls*—a **review.** 034381
The activity of pyridine nucleosidase in *bull* **semen** and its relationship to fertility. 034761
The difference in absorption of *bull* **seminal** ribonuclease by organ tissues of juvenile and adult mice. 033906
Existence of a follicle-stimulating hormone inhibiting factor 'inhibin' in *bull* **seminal** plasma. 034763
Adenine nucleotide changes at initiation of *bull* **sperm** motility. 034665
Aging of *bull* **spermatozoa** during extended storage. 034637
Two levels of supplemental protein for performance **testing** *bulls* on corn silage. 034481
Testing *bulls* by their descendants, to assist the selection activity, aiming the increase of meat and milk production. 034801
Sertoli cell **tumour** in a *bull.* 035330
Young *bull* production economics and optimal weight decrease under different conditions [Costs]. 031515
Comparative study: carcass and meat characteristics in **young** *bulls* of the Campine Red Pied and Charolais breeds slaughtered at the age of 16 months. 033038
Fattening and slaughter performance results of German Black Pied **young** *bulls* as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
Experience gained in the summer (outdoor) fattening of **young** *bulls.* 034497
The influence of different feeding intensities on the fattening and slaughter performance of **young** *bulls.* 034500
The risk of using **young** *bulls* as breeding animals. 034716

BUMBLEBEES *see* BEES

BUNDLE
On the problem of selecting a calculation system for a *bundle* of **logs** in studying the vertical vibrations of skidder tractors. 035815

BUNT
The effects of soil-borne microorgaisms on the germination of chlamydospores of Tilletia caries and Tilletia foetida [Potential for the biological **control** of *bunt].* 038811

BUPRESTIDAE
Revision of the genus Astraeus Laporte & Gory (Coleoptera: *Buprestidae)* **[New taxa].** 040149

BURDOCK
Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in *burdock* **root** tea [Atropa lappa]. 036928

BURNING
Nutrients lost in debris and runoff water from a *burned* **chaparral** watershed. 041377
Prescribed *burning:* prescribed fire is a practical, inexpensive form of fuel management. 035658
A *burned* **wood** specimen from an archaeological excavation in Jerusalem. 035774

BURSA
Serological survey of **infectious** *bursal* disease [Chickens]. 035085

BURY
Pollen analysis of the *buried* **volcanic** ash soil at the foot of the volcano, Iwate. 036106

BUSHES
The response characteristics of the tympanal organs of two species of *bush* **cricket** [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of sound transmission. 039832
Root systems of trees and *bushes* and their **ecology** in eastern Karakum. 037896
Bush **medicine** in the Exumas and Long Island, Bahamas; a field study. 035918
The effects of emus (Dromaius novaehollandiae Latham) on the distribution of the **nitre** *bush* (Nitraria billardieri DC.). 036226
Behavior of four *bush* **redpepper** varieties treated with insecticidal oils for retarding potato virus Y. 038935
Chipping [of logging **residue**] in the *bush.* 035712
Food relations of weevils of the subfamily Apioninae (coleoptera, Curculionidae) with **trees** and *bushes.* 039214

BUSINESS
Young people for agriculture and horticulture. Report of (a) an inquiry of 1,000 **agricultural** *businesses;* (b) and inquiry of 1400 students of agricultural and horticultural. 038406
Model calculations and data requirements for a *business* **assessment** of weed-killing methods. 039102
Business **booms** with burger bars. 032585
Some unkind remarks about advertising [Animal **breeding** *business].* 031713
Producers and *business* must **cooperate** for better marketing of flowers. 031621
Alberta **farm** *business* simulator (Altasim) a farm managementteaching tool. 031252
The *business* of **nutrition.** 032530
Advertising support for field **personnel** *[Agri-business].* 031710
Business **stipulations** for trade with fruit and vegetables [Quality control]. 032046

BUTANOL
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and *butanol-(2)* **[Wine].** 033431

BUTT
A comparative study of the wood destroying capacity in vitro of some *butt-rot* **fungi** in spruce [Picea abies]. 038609

BUTTER
Much friendliness [Supply of *butter* to **British** market, New Zealand, Common Market]. 031688
Butter and **cheese:** sales changes associated with three levels of promotion [Marketing]. 031525
Use of **cocoa** *butter* in confectionery. 032777
Recovery and re-use of *butter* **cooling** water [Pollution control]. 041624
The determination of copper in milk and *butter* with the **graphite** furnace atomic absorption apparatus. 033031
Continuous sheeting and packaging of pastry type and other fats **[Margarine,** *butter].* 032969
Popularity of **peanut** *butter* is spreading. 032634
Formed **peanut** *butter* slice—process development seeks a product. 033223
Settlement stalls on *butter* **price** increase [Exports, Common Market]. 031690
Effect of different treatments on the keeping **quality** of *butter.* 032960
Importance of cream ripening for *butter* **spreadability.** 033003
Use of milk fat fractions for improvement of *butter* **spreadability.** 033006

BUTTERFAT
Butterfat **production** in the Heytesbury settlement [Costs, returns]. 031441

BUTTERFLIES
Studies on the natural history of Central **American** *butterflies* in the family cluster Satyridae-Brassolidae-Morphidae (Lepidoptera: Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. 040147
Notes on the methods of belt transect **census** of *butterflies.* 040106
Butterfly **conservation:** the right way, the wrong way, the government way. 039806
An integrated classification for polymorphism and sexual **dimorphism** in *butterflies.* 040111
Estimating the abundance and **diversity** of *butterflies.* 039641
Fluctuations in *butterfly* **frequency** in Central Nyland. 040132
Hawaii's **kamehameha** *butterfly* [Vanessa tamemea]. 040085
Theoretical genetics of Batesian mimicry. I. Single-locus **models** *[Butterflies].* 039862
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the African **monarch** *butterfly* [Danaus chrysippus]. 039935
New *butterfly* records for Springsure, Central Highlands, Queensland. 039986
Chalcid wasps from [cabbage] *butterfly* **[Pieris** brassicae] pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. 039347
Dark regeneration of invertebrate visual **pigments** *[Butterflies].* 039789
The pyrrolizidine alkaloids **[Plants,** *butterflies].* 036749
The temporal component of *butterfly* **species** diversity. 039768
Descriptions of two new species of *butterflies* **[Strymonidiajebelia,** Pseudophilotes sinaicus] (Lepidoptera, Lycaenidae) from the south Sinai. 040090

BUTTERMILK
All you want to **know** about *buttermilk.* 032954

BUTYL
Isolation of *s-butyl* **beta-D-glucopyranoside** from Acripeza reticulata. 039629
Alfalfa silages in *butyl* **hermetic** cells lost by flow of juice and gas emission. 033508
Species differences in erythrocyte glutathione reduction rates after oxidation with *t-butyl* **hydroperoxide** [Sheep, goats, dogs, horses]. 033988

BUTYLATE
Using the associated herbicides based on atrazine and *butylate* in **irrigated** and non-irrigated maize crops. 039161

BUXACEAE
Steroidal alkaloids of the Apocynaceae, *Buxaceae,* **Asclepiadaceae,** and of the Salamandra-Phyllobates group. 036747

BUYERS
Wines. Indication of susceptible origin to mislead the *buyer.* The bad **faith** of the seller. Misdemeanor. 032129
Forest **products** *buyers* and sellers guide [Directories]. 035848
Factors arising during distribution and sale that make meat and meat products unattractive or **repulsive** to the *buyer.* 032002

A *buyer's* **view** of the future for meat. 031579

BYSSOCHLAMYS
Studies on soil fungi. VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, *Byssochlamys* **nivea,** Penicillium commune]. 036031
Byssochlamys **verrucosa** sp. Nov. [Fungi, new taxa]. 036151

CABBAGES
Nesting place of the *cabbage* **aphid** [Brevicoryne brassicae]. 039348
Chalcid wasps from *[cabbage]* **butterfly** [Pieris brassicae] pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. 039347
Problems of long term storage of **carrots** and *cabbage.* 033376
The **forage** *cabbage* [Cultivation]. 038100
Investment preparation problems of **industrial** *cabbage* storage and dressing centers. 031455
Experience regarding the transition to industrial **late** *cabbage* production in the "Am Meer des Friedens" cooperative farm, Elmenhorst. 031287
Can the *cabbage* **leaf** louse be controlled on autumn rape? [Diaeretiella rapae, biological control]. 039303
The **MSK-1** *cabbage* harvesting combine. 040543
A Proteus inconstans which **produced** *'cabbage* odour' in the spoilage of vacuum-packed sliced bacon. 032072
In vitro propagation of **red** *cabbage* (Brassica oleracea L. Var. capitata). 037779
Anatomical and histological study of the *cabbage* **root** fly Hylemya brassicae rectum on the occurrence of a pheromone gland. 039871
Cryoprotective leaf proteins [**Spinach,** *cabbage].* 037651
Activity of nitrate reductase in *cabbage* and **tomato** plant with introduction of algal mass as organic fertilizer. 037700
On the estrogenic effect of **white** *cabbage* (Brassica oleraceae) [Tested on mice]. 032495
Effect of herbicides on the quality of **whiteheaded** *cabbage.* 039188

CABLES
Study of changes in tension of skylines of timber **transport** *cable* installations during operation. 035821

CACAO
Residual effects of phosphorus and potassium fertilizers on shaded cocoa (**Theobroma** *cacao* L.) in Ghana. 040968

CACTACEAE
A new species of **cholla** *(Cactaceae:* Opuntia [anteojoensis] from Coahuila, Mexico. 036049

CACTUS
Interesting *cactus* **areas** in Bolivia. 7 [Succulents]. 036146
My experiences of **growing** *cacti* from seed. 038295
Beta-phenethylamine and tetrahydroisoquinoline alkaloids from the **Mexican** *cactus* Dolichothele longimamma. 037062
Constructing a timber propagator *[Cacti* and **succulents,** seed trays]. 040470
Interesting *cactus* **territories** in Bolivia. 6. 036145

CADMIUM
Yield and *cadmium* **accumulation** of forage species in relation to cadmium content of sludge-amended soil. 039019
Effect of *cadmium* on **Chlorella** [Algae]. II. Growth, survival and mutability of Chlorella. 036512
National marine fisheries service preliminary survey of selected seafoods for mercury, lead, *cadmium,* **chromium,** and arsenic content [Contamination]. 032070
Yield and cadmium accumulation of forage species in relation to *cadmium* **content** of sludge-amended soil. 039019
Effect of *cadmium* **ions** on chlorella [Algae]. II. Modification of ultraviolet irradiation effect. 036513
Determination of nitrate in milk and cheese by *cadmium* **reduction.** 032091
Studies on tea. I. Contents of mercury, lead, and *cadmium* in **tea** leaves and tea decoctions [Toxic trace elements]. 032157
Metallothionein and the **toxicity** of *cadmium.* 035407
Determination of lead, *cadmium,* and **zinc** in sugar [for possible contamination]. 032066

CADRA
A qualitative of free amino acids in the developmental stages of Sitotroga cerealella Oliv. and *Cadra* **cautella** (Wlk) [Pests of stored cereals]. 039424

CAFFEIC
Determination of the content of natural growth inhibitors of the **potato** *tuber-caffeic* acid and scopoletin. 037636

CAFFEINE
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and *caffeine* on **Dictyostelium** discoideum [Fungi]. 037126
Effect of *caffeine* on **radiation** damage in wheat with different ploidy. 036396
Effect of *caffeine* on **recovery** from DEB [diepoxybutane]-induced cell inactiation in UV [ultraviolet]-sensitive mutants of Saccharomyces cerevisiae. 036597
Lack of an effect of *caffeine* on **repair** systems in oocytes of Drosophila melanogaster following treatment of mature sperm with alkylating agents. 039879
The effect of *caffeine* on the **survival** and recovery of irradiated yeast cells [Radiation, injuries]. 037250
Effect of colchicine, maleic hydrazide, *caffeine* & **theobromine** on cell division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316

CAGES
Losses of *caged* **laying** hens from obesity. 035380
Air conditioning of young **swine** *cages.* 040314

CAKES
Feed *cakes* and proteins in 1974. 033546
Assessment of feeding value of extracted **mustard** *cake* in starting growing phase of chickens. 034384
The present validity of the pancreatic lipase method for husk oil protection [Olive **oil** *cake,* composition, adulteration]. 033455
Nutritive value of **oilseed** *cakes* and meals. 033526
The production, marketing and utilisation of **oilseed** *cakes* and meals in Turkey. 033530
The supply and utilisation of **oilseed** *cakes* in the Sudan. 033532
Antihelminthic properties of **punnakkai** *cake* (Calophyllum inophyllum) [Nematocides]. 036998
Influence of the presence of **rape** *cake* in the chicken feed on egg laying performances. 034392

CALAMONDIN
Effect of ethylene on chlorophyllase activity and chlorophyll content in *calamondin* **rind** tissue. 033386

CALAMUS
Induction of sterility in male houseflies [Musca domesticus] by vapors of **Acorus** *calamus* L. oil. 039493

CALCAREOUS
Lime mud deposition and *calcareous* **algae** in the Bight of Abaco, Bahamas: a budget. 037077
Effect of iron, manganese, zinc and other nutrients on maize plants in pot experiments with *calcareous* **Chernozem.** 037532
Effect of surface applied sulfuric acid on water penetration into **dry** *calcareous* and sodic soils. 041040
Action and interaction of nitrogen, phosphorus and potassium in sunflower fertilization on *calcareous* **soils.** 041062

CALCITONIN
Effect of *calcitonin* on **DNA** synthesis in experimental wounds [Rabbits]. 035433

CALCIUM
Possibilities of influencing puerperium in cows by intrauterine **application** of *Calcium-Spofa.* 034860
The ultrastructural localization of *calcium* in the **avian** shell gland [Chickens]. 034065
Possibility of increasing the sugar yield by adding sulphur dioxide and *calcium* **bisulphite** during sugar extraction. 033312
The distribution of *calcium* in **bovine** spermatozoa and seminal plasma in relation to cold shock. 034696
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and mast cells, *calcium* and **calcium** ionophores [Posterior pituitary hormones]. 033952
Adsorption of the colouring matters of sugar factory juice on *calcium* **carbonate.** 033218
Processing and nutritional evaluation of *calcium* **caseinate** [Protein supplement]. 032370
Lack of effect on blood lipid and *calcium* **concentrations** of young men on changing from white to wholemeal bread. 032184
A note **concerning** *calcium* carbonate deposits in charophytes [Algae]. 037151
Effect of *calcium* **cyanamide** on the structure index of the soil. 040559
The role of *calcium* and of **cyclic** AMP [adenosine monophosphate] in pancreatic secretory processes. 033946
Role of *calcium* and **cyclic** AMP [adenosine monophosphate] in controlling fly [Calliphora] salivary gland secretion. 039799
The effect of *low-calcium* **diet** and vitamin D3 on acid-base balance in young rabbits. 032164
Effect of **dietray** *calcium* and phosphorus levels on the incidence of urinary calculi and on urine and serum mineral levels in wethers [Sheep]. 035351
Potassium-calcium **exchange** equilibria in volcanic-ash soils. 040768
Role of *calcium* in **exocrine** pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in rabbit pancreas. 033812
Feeding and replacement value of *calcium* **hydroxide** treated maize cobs for dairy cows. 034368
The regulatory role of *calcium* in **25-hydroxycholecalciferol** metabolism in chick kidney in vitro. 033769
The effect of calcium on the tryptic digestion of bovine **intestinal** *calcium-binding* protein. 033814
Stimulation of ethylene production in the mung bean hypocotyls by cupric ion, *calcium* **ion,** and kinetin. 037527
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and mast cells, calcium and *calcium* **ionophores** [Posterior pituitary hormones]. 033952
Effect of *calcium* **ions** on pyruvate carboxylase from pigeon liver. 033794
A Ca++ *[calcium* **ions]** ionophore A 23 187 simulating hormone and neurotransmitter action in the rat parotid and pancreas glands. 033947
Hyphal tip bursting in Mucor rouxii: antagonistic effects of *calcium* **ions** and acid. 037049
Tolerance of alkaline protease of the fungus Torula thermophila strain UzPT-1 to heating and Ca2+ *[calcium]* **ions.** 037233
Relationship of supplemental biotin, phosphorus level and *calcium* **level** to reproductive performance of turkeys. 034456
Egg thickness as affected by *calcium* **level** in laying hen ration. 034536
Calcium **localized** in juxtanuclear granules of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) solution[Chick embryos]. 033842
Effects of **luminal** *calcium* on transport of Na [sodium] and K [potassium] by perfused main duct of rat submaxillary gland. 033935
Observations on the Ca2+ +Mg2+) *[calcium* and **magnesium** ions]-ATPase activator found in various mammalian [Calf, cow, pig] erythrocytes. 033806
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and *calcium* **movements** in rabbit pancreas. 033812
Metabolism of amino acids in bean plants under the deficit of magnesium and *calcium* in the **nutritive** medium. 037852
Absorption of strontium-90, potassium and *calcium* by **oat** plants from soil during ontogenesis. 037420
Anthurium andreanum Lindl. In hydroponic culture: influenceof substrates and of nutrition on formation of *calcium* **oxalate.** 036767
A note on the metabolism of Ca, P, Mg, Na and K *[calcium,* **phosphorus,** magnesium, sodium, potassium] by pigs growing at a high ambient temperature. 033738
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on *calcium* and **phosphorus** metabolism in the rabbit. 033885
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of feeding different levels of *calcium* and **phosphorus** with the same ratio on growth of Dokki-4 chicks. 034257
Control of bitter pit in apples with lecithin and *calcium* **[Physiological** disease]. 039039
The fractional composition of strontium 90 [isotope] and *calcium* in **plants** as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, radioactive contamination]. 040877
Distribution of *calcium,* **potassium** and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of *calcium,* **potassium** and sodium to soil [Kidney beans, oats, radioactive contamination]. 040877
The effect of dietary zinc, *calcium* and the **previous** zinc nutrition of the sow on growth of progeny. 034480
Monthly determinations of the concentrations of sodium, potassium, magnesium and *calcium* in the **rain** and in pools on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
Femur zinc, magnesium, and *calcium* in **rats** fed Tower rapeseed (Brassica napus) protein concentrate. 032410
Chemical forms of *calcium* in **relation** to the growth of young plants of maize. 037533
Response of **renal** *calcium-binding* protein independence of kidney vitamin D hydroxylation [in chickens]. 034343
Calcium **requirements** for chicks as affected by some nutrition factors. III. Effect of feeding different levels of calcium and phosphorus with the same ratio on growth of Dokki-4 chicks. 034257
Calcium **requirements** for chicks as affected by some nutritional factors. IV. Effect of feeding different levels of vitamin D3 on growth of Dokki-4 chicks. 034258
Role of *calcium* in **secretory** processes. 033958
Thin layer chromatography identification of *calcium-* and **sodium** stearoyllactylate in addition to other emulsifiers in food. 032861
Problem of **standardizing** *calcium* and phosphorus in relation to feeding cattle. 034537
Studies on the uptake of *calcium* and **strontium** by isolated periosteal cells [Chickens]. 034143
Mist propagation of cassava tip cuttings for nutritional studies: effects of **substrate** *calcium* concentration, temperature and shading. 038509
Flowering and fruit set of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and *calcium* **superphosphate.** 037690
Functional load of *calcium* as a **test** of the mineral supply of ruminants. 034491

The effect of *calcium* on the **tryptic** digestion of bovine intestinal calcium-binding protein. 033814
Embryonic chicken periosteum in tissue culture: osteoid formation and *calcium* **uptake.** 034141

CALCULI
Effect of dietray calcium and phosphorus levels on the incidence of **urinary** *calculi* and on urine and serum mineral levels in wethers [Sheep]. 035351

CALIBRATION
Conditions for using automatic methods of counting milk cells: *calibration* and **preservation** of milk samples. 032985
A technique for acquiring ground-truth rainfall data with which to *calibrate* **radar** measurements. 041294

CALIPERS
Increasing **trunk** *caliper* by heading back laterals [Lagerstroemia speciosa, culture]. 038352

CALLIPHORA
A freeze-fracture study of **adult** *Calliphora* salivary glands. 039937
Locomotor activity and respiration of the 3rd instar of *Calliphora* **erythrocephala** (Diptera, Calliphoridae). 039643
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, *Calliphora* **erythrocephala,** Apis mellifera, Locusta migratoria]. 039795
The comparative biochemistry of invertebrate mucopolysaccharides. V. **Insecta** *(Calliphora* erythrocephala). 039685
An entomological contribution to the problem of fly-infected meat. A few biological data on **Piophila** and *Calliphora.* 031996
Role of calcium and cyclic AMP [adenosine monophosphate] in controlling fly *[Calliphora]* **salivary** gland secretion. 039799
Intraspecific variability of reactions controlling the larval diapause in *Calliphora* **vicina** (Diptera, Calliphoridae). 039713

CALLIPHORIDAE
Locomotor activity and respiration of the 3rd instar of Calliphora erythrocephala **(Diptera,** *Calliphoridae).* 039643
Intraspecific variability of reactions controlling the larval diapause in Calliphora vicina **(Diptera,** *Calliphoridae).* 039713
Phumosia spinicosta (Hough) a new combination **(Diptera:** *Calliphoridae).* 040099
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: *Calliphoridae):* **influence** of age at time of treatment on sterility and longevity. 039475
Larvae of *Calliphoridae* as **pathogens** of myiasis in guinea pigs. 039490
Melinda caerulea Mg. (Diptera, *Calliphoridae)* in **rotten** wood. 039703

CALLISTEPHUS
The effect of macronutrients and their dates of application on the cut flower and seed yield with summer asters *[Callistephus* **chinensis].** 040941

CALLOSOBRUCHUS
Effect of temperature on the mating compatibility of irradiated males of *Callosobruchus* **analis.** 039200
Acid and alkaline phosphatase activity in relation to egg-laying and aging in *Callosobruchus* **analis** (Fab.) (Coleoptera: Bruchidae). 039658
A new machine and method for bulk treatment of pulses with grain protectants against pulse **beetle** *Callosobruchus* maculatus fab. (Bruchidae-Coleoptera). 039250
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, *Callosobruchus* **chinensis** L. from stored beans afer fumigated with hydrogen phosphide. 039423

CALLUNA
Recurrence surfaces in Rusland Moss, Cumbria (formerly north Lancashire) *[Calluna,* **Sphagnum,** musci]. 036223

CALLUS
The influence of gibberellic acid and abscisic acid on cell and tissue differentiation of **bean** *callus.* 036323
Clonal propagation of Coffea arabica L. From *callus* **culture.** 036959
Chromosome constitution in **cultured** *callus* cells from four aneuploid lines of the homoeologous group 5 of Triticum aestivum [Wheat]. 036575
Tissue cultures of maize, wheat, rice & sorghum. II. Growth & nutrition of *callus* **cultures.** 037455
Callus **cultures** from potato tissues and the exclusion of potato virus X from plants regenerated from stem tips. 038892
Callus **formation** and organogenesis of mature cotyledons of Linum usitatissimum L. variety szokijskij [flax] in vitro culture. 037436
Chemical regulation of *callus* **growth,** organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. 037775
Synthesis and cytokinin activity of N-acylaminodeazapurines[Tests with tobacco **pith** *callus].* 037515
Structural changes of the plasmalemma during cell wall regeneration of isolated protoplasts from **stem** *callus* of Skimmiajaponica Thunb. 037207
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of *callus* **tissues** of Pelargonium Iris and Ruta grown in the dark. 037664
Growth of *root-callus* **tissues** of Citrus aurantifolia [Limes] (Christm.) Swing. in longterm culture. 037753
Procedure to isolate cell nuclei from the *callus* of **tobacco.** 036357
Glucose-6-phosphate dehydrogenase in **tobacco** *callus* strains differing in their growth and their requirement for auxin and cytokinin. 037369
Incorporation of cytokinin N6-benzyladenine into **tobacco** *callus* transfer ribonucleic acid and ribosomal ribonucleic acid preparations. 037813
Tissues cultures of maize, wheat, rice & sorghum. I. Initiation of **viable** *callus* & root cultures. 037458

CALOCORIS
Dangerous reappearing of *Calocoris* **trivialis** Costa on olive-trees in Apulia. 039338

CALONECTRIA
Biology of conidia, ascospores, and microsclerotia of *Calonectria* **crotalariae** in soil [Black rot, papayas, Metrosideros collina, Acacia koa]. 038763

CALOPHYLLUM
Antihelminthic properties of punnakkai **cake** *(Calophyllum* inophyllum) [Nematocides]. 036998

CALORIES
The endocrinology of **adult** *protein-calorie* malnutrition. 032431
Determining the *caloric* **content** of meat products. 032224
Use of elemental diet and nitrogen balance studies in severe **infantile** *protein-calorie* malnutrition. 032327
T3 resin uptake in *protein-calorie* **malnutrition** [Children]. 032163
Energy metabolism in children with **protein** *calorie* malnutrition (PCM). 032276
Protein and *caloric* **requirements** of fast-growing young babies and their relationship to undernourished children. 032471
Calorie **requirements** and feed consumption [Fur animals]. 034357
Study of biomass and *caloric* **value** of the soil nematode population in hornbeam-oak [Carpinus, Quercus] forest in Bab. 040569

CALORIMETRY
Differential **scanning** *calorimetry* of palm kernel oil products. 032856

CALOTROPIS
Peokilocerus pictus in the Punjab *[Calotropis* **procera].** 039241

CALVES
Qualitative and quantitative studies of the metabolism of fatty acids, in particular that of linoleic **acid,** in *calves.* 033772
A rheumatoid-like **arthritis** in *calves.* 035310
Economic implications of producing **beef** *calves* with various pasture management systems [Costs, returns]. 031482
The influence of stall size on production and behavior of **beef** *calves.* 033646
Experiences from the group rearing of *calves* from **birth** to the end of the milk diet period. 034511
Lipase activity in *calf* **blood** serum with different types of feeding. 034222
Neutralizing antibodies of colostral origin in *calves* **born** of mothers vaccinated against foot-and-mouth disease. 035021
Study of persistance of foot-and-mouth disease antibodies in *calves* **born** from vaccinated cows. 035024
Skiabaryum-Spofa in the prevention and treatment of diarrhea [Escherichia coli] of newly **born** *calves.* 035227
Studies on epinephrine & carbachol induced metabolic changes in Bubalus bubalis **[Buffalo** *calves].* 033973
Carbohydrate tolerance test in **buffalo** *calves* under normal and stress situations. 033976
Effect of melengestrol acetate on the hematology of **buffalo** *calves.* 033977
Metabolism of urea in **buffalo** *calves* fed on diets of different crude protein content. 034382
Radiographic evaluation of gastrointestinal tract in **buffaloes** *calves* by barium meal study. 033981
Comparative study on the effect of fattening Bulgarian Brown **bull** *calves* and F1 Black Pied crosses. 034534
Osteogenesis with homogenous bone meal in fracture repair in a Hariana **bull** *calf*—a case report. 035418
Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various mammalian *[Calf,* **cow,** pig] erythrocytes. 033806
A note on the difference between blood urea of buffalo and **cow** *calves.* 033993
A *calf* per **cow** per year [Breeding]. 034614
Variation in birth weight due to season of calving in different filial groups of Brown Swiss **crossbred** *calves.* 033967
Comparisons of exotic- and Brahman-sired **crossbred** *calves* for birth and weaning traits. 034721
Meat productivity and skin quality of *calves:* **crosses** of Bulgarian Red cattle with Charolais and Hereford. 034873
Planning **dairy** *calf* housing. 033636
Treating diarrhea of **dairy** *calves.* 034977
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering **defective** *calves.* 035305
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VII. Clinical findings of **defective** *calves* collected for two years after the end of the prevalence. 035306
Effect of various proteinase preparations on the collagen of the *calf* **dermis** [Depilation of raw hides]. 033042
Post-vaccination immunity to foot-and-mouth disease in the *calf.* **Determination** of the optimal moment for the first vaccination. 035022
A contribution to determining the forces used by **drinking** *calves* to the front wall of the single box and during the shift. 040313
The **fatted** *calf:* more weight grain with less feed. 034486
Cooperation functions at Bernolda di Campagnola: a *calf* **fattening** center in Emilia. 033601
Carbohydrate-fat metabolism in the digestive system of *calves* **fed** milk with the addition of formaline. 034488
The use of coffee processing waste as animal **feed** *[Calves].* 034372
Nutritional studies with growing **Friesian** *calves* on certainfeeding levels under local conditions. 1. Feed utilization and metabolism trials during the 2nd six months of growth. 034266
Pasture management systems for **improved** *calf* production [Grazing]. 038079
Transport of *calves* under **industrial** production conditions. 033675
Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of *calves* **infected** experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
An **intensive** *calf-rearing* unit. 033653
Problems of respiratory diseases in **large** *calf* stables. 035269
Meat production from buffalo **male** *calves* at different ages [Fattening]. 034265
Small calves—What's new! Can *calf* **mortality** be lowered? [Husbandry]. 033643
Relationship of fertility index to the growth of Japanese **native** *calves.* 1. 034556
Presence of Proteus and failure of antibiotherapy in **neonatal** *calf* diarrhea. 034990
Effect of certain micronutrients on [disease] resistance of the **newborn** *calf.* 034235
Intestinal resorption of the tetanic antitoxin in the **newborn** *calf.* 034988
Number of sucklings and grazing time of *calves* in **nursing** cow herds. 034295
Studies into stressor action on *calf* **organism** in the contest of adjustment after movement to industrialised young cattle breeding unit. 034108
Activity of acethylcholinesteraze as a symptom of the non-specific resistance of the **organism** *[Calves].* 034177
Results of studies on the adjustment of **pail-fed** *calves* as affected by shipping and moving. 033673
Influence of different types of stabling on the health and growth **performance** of *calves.* 033669
Fertility and *calf* **performance** to weaning at Southhampton farm. 034794
The influence of sex on the *calf* on the **productive** traits of Hariana dams. 034653
Study of esterified fatty acids in the blood serum and total content of fatty acids in the feces of *calves* **reared** on different types of feeding. 034224
Calf **rearing.** 033620
Parasites in **reindeer** *calves*—feces examination. 035172
Clinical-laboratory evaluation of Trimerazin Polfa effectiveness in *calves* with **respiratory** syndrome. 035377
Isolation and characterization of two alkaline ribonucleases from *calf* **serum.** 033802
Acidity and proteolysis as factors affecting the nutritive value of corn **silage** *[Calves].* 034404
Small *calves*—What's new! Can calf mortality be lowered? [Husbandry]. 033643
Different effects of polylysine and polyarginine on the transition to a condensed state of DNA in polyethyleneglycol/salt **solution** *[Calves].* 033792
Influence of shifting age on the rearing result of *calves* in **specialized** farming. 033608
Use of a method for the comparison of weight gains of *calves* **stabled** at different liveweights. 033676
Demonstrative studies on large-scale farming of beef cattle in the southern Kyushu District. II. An experiment on fattening **steer** *calves* by open-air management. 034348
The LH response of pregnant cows and their *calves* to **synthetic** LH-RH [luteinizing hormone, releasing hormone]. 034698
The detection of substances with estrogenic effects [in *calves]* in **testing** for residues. 033904
Evidence for the presence in *calf* **thymus** of a peptidic factor controlling DNA transcription in vitro. 033797

Influence of humoral factors from the *calf* **thymus** on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
The influence of *calf* **thymus** DNA and deoxyribonucleosides on the induction of different mutation types in Drosophila. 039744
Changes in the nutrient and energy content in defined parts of the **veal** *calf.* 032512
Isolation of a subgroup two adenovirus from *calf* with **weak** calf syndrome. 035031

CALVING *see* **BIRTH**

CAMBIUM
Cell length variation in the secondary phloem of Dalbergia spp. with increasing age of the **vascular** *cambium.* 036270
Terminology used for describing the *cambium* **[Wood** anatomy]. 035778

CAMELLIAS
A new cultivar of presumable hybird between *Camellia* **japonica** and Camellia sasanqua. 038394

CAMELS
The *camel* **botfly** [Cephalopina titilator] and measures for its control. 039516
Effect of tuberculinization on the blood proteins of *camels* and **cows** [Tuberculosis, treatment]. 035239

CAMPANULA
Glycosides of kaempferol from *Campanula* **hypopolia.** 036882

CAMPHOR
Odorous compounds in water supplies: identification of *camphor* and **p-methylacetophenone.** 041355

CAMPING
Recreation guide: fishing, *camping,* **services,** hunting [in] Lauderdale, Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. 041650

CANALS
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the **alimentary** *canal* of the bulb mite [Rhizoglyphus echinopus]. 038771
Sediment transport studies in the **Delta-Mendota** *Canal* and the California Aqueduct [Water supply]. 041384
A horizontal sediment bowl with hydroaerodynamical washing [for the control of deposits in **irrigation** *canals].* 041249
The experience of operating pump units on the [irrigation] *canal* **Irtysh-Karaganda.** 040361
A succession of pump stations on the Karshinskii **main** *canal[in* the Uzbek SSR]. 041251
Hydraulic and agricultural management of the Durance basin. The **Provence** *canal.* 041239

CANARYGRASS
Effects of drying on forage quality of alfalfa and **reed** *canarygrass* [Phalaris arundinacea] fed to lambs. 034411

CANCER
Systematic cultivation of Cathatanthus roseus (Vinca rosea Linn) G. Don, a plant with promise in *cancer* **[Culture].** 038537
Nutrition, **diet,** and *cancer.* 032211
A new look at environment and **gastric** *cancer.* 032035
Viability and transplantability of developed tumour cell treated in vitro with antitumour agent C/M2 isolated from a **herbal** *cancer* remedy-of Annona senegalensis. 037199

CANDIDA
Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and *Candida* **albicans** [Fungi, guinea pigs, immunological responses]. 035138
Development and germination of [the yeast] *Candida* **albicanschlamydospores** in relation to age. 037047
Stereochemistry and mechanism of methanol oxidase from *Candida* **boidinii** [Yeasts]. 036958
Oxidation of methanol and formaldehyde by a system containing alcohol oxidase and catalase purified from *Candida* **[fungi]** sp. N-16. 032711
Changes in the activities of enzymes and the protein content of yeasts *[Candida* **guilliermondii]** in relation to the residual hydrocarbon levels in the biomass. 036769
Effect of magnesium concentration in the culture liquid on the yeast *[Candida* **guilliermondii]** consumption of trace elements. 037214
Reltionship between the presence of linolenic acid and the ability to form respiration-deficient mutants in yeast *[Candida* **pseudotropicalis,** Debaryomyces hansenii, Kluyveromyces marxianus]. 036948
A new yeast species from the **soil—***Candida* podzolica sp. N. 040685
[Mutagenic] effect of DNA from different sources and of different physico-chemical properties on hystidine-deficient strain of *Candida* **tropicalis** D-2 his- [Yeasts]. 036529
YATP [adenosine triphosphate] value in *Candida* **tropicalis** grown on n-alkanes, fatty acids, and acetate. 036834
Effect of the chemical nature of the carbon source on the biomass composition *[Candida* **tropicalis,** Candida utilis, Trichosporon cutaneum, yeasts]. 037217
Furfurol influence on the energy metabolism of fodder yeast *[Candida* **tropicalis].** 037220
Isolation of vacuoles from yeasts [Saccharomyces cerevisiae, *Candida* **utilis].** 037105
Effect of the chemical nature of the carbon source on the biomass composition [Candida tropicalis, *Candida* **utilis,** Trichosporon cutaneum, yeasts]. 037217
Influence of substrate n-alkane composition on lipid biosynthesis by the **yeast** *Candida* guilliermondii [Animal feed, industrial fats]. 033502
Activity of dehydrogenases of the accumulative and continuous culture of the paraffin oxidizing **yeast** *Candida.* 037209
Measurement of relative volume of lipid incorporations of the **yeast** *Candida* guilliermondii cultivated on hydrocarbons. 037222
Use of malt extract as a nitrogen source for continuous cultivation of **yeast** *Candida* utilis. 037236
Formation of primary alcohols and palmitic acid as a result of hexasecane microbiological oxidation *[Candida,* **yeasts].** 037219

CANE
Plant *cane* weed control at Mossman. 039109
Locusts in **Queensland** *cane* areas. 039268
Smut [Ustilago **scitaminea]** on *sugar-cane.* 038780
Cane **sugar** and silicon compounds. 033159
Optimum conditions for determining individual minor constituents in *cane* **sugar** by gas-liquid chromatography [Analysis]. 033178
Proceedings of the 1974 Technical Session on *Cane* **Sugar** Refining Research, Cherry Hill, New Jersey, October 20-22, 1974. 033182
List of publications of the XV congress of the International Society of **Sugar** *Cane* Technologists held in Durban (South Africa) June 13 to 29, 1974. 038087
Resistance in Digitaria to the **yellow** *sugar-cane* aphid, Sipha flava (Forbes). 039306

CANINES
Failure of **attenuated** *canine* distemper virus (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. 035050
Canine **chemodectoma** (extra-adrenal paragangliomas)—a comparative study [Dogs]. 035349
Problems on the preventive inoculation against *canine* **distemper.** 035122
Optical isomers of verapamil on *canine* **heart.** Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Chorioretinitis and detached retina as post-distemper **lesions** in the *canine.* 035100
Canine **salmonellosis:** a review and report of dog to child transmission of Salmonella enteritidis. 034975
Effects of epinephrine on resistive and compliant properties of the *canine* **vasculature.** 034014
The efficacy of Candivac SHL against distemper, *canine* **viral** hepatitis, leptospirosis, and rabies tested in dogs. 035140

CANKERS
Variability of host and pathogen in hypoxylon [mammatum] *canker* of **aspen** [Populus tremuloides]. 038591
Perfect stage of Cytospora ambiens **causing** *canker* of apple trees in India. 038660
Mineral composition of *canker,* **halo** and green regions of citrus leaves infected by Xanthomonas citri. 038862
Note on a *canker* of the **mango** caused by Phytophthora in theInvory Coast. 038621
A **new** *canker* and die-back disease of apple from Himachal Pradesh [Haplosporella malorum]. 038644
Cultural characteristics of Crumenula sororia **[Stem** *canker,* Pinus]. 038818
Scleroderris [lagerbergii] *canker* of **Todo-fir** [Abies sachalinensis] in Hokkaido, northern Japan. V. Relationship between disease development and forest type. 038613

CANNABIS
High-pressure liquid chromatography of *Cannabis.* **Identification** of separated constituents. 037033

CANNING
Heat resistance of ileal loop reactive Bacillus cereus strains isolated from **commercially** *canned* food. 031949
Influence of the z value of Clostridium botulinum on the accuracy of *[canned* **food]** process calculations. 032078
A study on the average yield of different species of prawns used for **freezing** and *canning.* 032791
Supervision of *tinned-foods* **freezing;** experience in Rostockregion [Meat and sauce meals]. 033098
Canned **fruit:** world production and trade statistics. 031759
Production of *canned* **fruit** in Europe [Statistics]. 031762
Standards for *canned* **fruit** in the German Food Codex. 032050
Modifications and amendments to the standards for *canned* **fruits** in the German Food Codex. 032047
On the degree of vegetable oil oxidation in production of *canned* **goods.** 032917
The *canning* **industry** of the United States in 1974. 031858
The state of the *canning* **industry** in Japan. 031861
Contribution to the history of the can making and *canning* **industry.** 032838
The *canning* **peach** in Murcia [Culture, varieties]. 038241
Effects of harvesting methods on the quality of the *canned* **peaches** [Damage, keeping quality]. 038463
The **Swiss** *canning* industry in 1974. 031862
Sauerkraut, a natural product in **tin** *cans* [Manufacture]. 033392
Industrial waste waters in rural districts [Brewing and *canning* **wastes].** 041675

CANNULATION
Aseptic milking by **implanted** *cannulae* as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003

CANOPY
Picea culture under the **forest** *canopy.* 035667
Water-vapor transfer from fluttering [citrus] leaves within a **plant** *canopy.* Field observations and laboratory experiments. 037797

CANTHARIDAE
The larvae of the British genera of *Cantharidae* **(Coleoptera).** 040094

CAPILLARIA
Capillaria **infection** in a pig. 035158

CAPILLARY
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of cutaneous blood flow between *capillaries* and **arteriovenous** anastomoses (AVA's) [Sheep]. 034125
Capillary **tube** urinalysis for small [laboratory] animals. 034097

CAPITAL
Chiana cattle do well on marginal lands *[Capital,* **costs].** 031420
The herds have returned to the hills [Sheep, *capital,* **costs,** returns]. 031422
The use of *capital* in **dairying.** 031418
Capital **gains** [Taxes]. 031476
About the calculation of the efficiency of *capital* **investments** in the constructions for the control of high waters and soil erosion. 031463
Capital **transfer** tax: minimising the effects [Agricultural properties]. 031446
The use of *capital* for **two** dairying systems; farm management section. 031417

CAPPARIDACEAE
Phytochemical phylogeny of the Brassicaceae **(Cruciferae)** from the *Capparidaceae.* 036075

CAPREOLUS
Studies on the biology of the predaceous mite **Cunaxa** *capreolus* Berl. (Acari, Prostigmata, Cunaxidae). 039208

CAPSAICIN
Changes in amino acids, carbohydrates and *capsaicin* **content** of red fruits of chillies infected with Colletotrichum piperatum. 038676

CAPSICUM
Hereditary changes in *Capsicum* **annuum** L. [Red peppers]. III. Induced by DNA treatment. 036577
Capsicum **[redpeppers].** 033359

CAPSULE
A note on the pollen morphology of **Corchorus** *capsularis* Linn. Corchorus olitorius Linn. and their hybrid. 036304
Use of the method of **"diffusion** *capsules"* for studying the patterns of synthesis of some hydrolytic enzymes by microorganisms [Trichoderma lignorum]. 037004
Influence of N, P, K [nitrogen, phosphorus, potassium] on stem ro: [Macrophomina phaseoli] incidence of *capsularis* **jute.** 038657
Use of **uterine** *capsule* in treatment of the cow [after parturition]. 035388

CARABIDAE
An appraisal of the technique of pitfall trapping for epigeic communities of *carabids* **(Coleoptera,** Carabidae) in several selected forest habitats. 039867
Laboratory studies on the life cycle of Pterostichus melanarius (Illig.) **(Coleoptera:** *Carabidae).* 039947
Stridulation by Carabus irregularis Fabr. **(Coleoptera,** *Carabidae).* 039961
Phloeoxena newtoni new species, and notes on Phloeoxena nigricollis Ball and Phloeoxena geniculata Chaudoir from Mexico (Coleoptera: *Carabidae:* **Lebiini).** 040042
Larval diagnosis of the tribe Stenolophini and notes on theclassification of the subfamily Harpalinae (Coleoptera, *Carabidae)* [New taxa]. 039979
Contribution to the study of the genus Amara Bon. (Coleoptera, *Carabidae)* [New taxa]. 040006

Some effects of soil type and crop density on the activity and abundance of the epigeic fauna, **particularly** *Carabidae*, in sugarbeet fields. 039291
An appraisal of the technique of pitfall trapping for epigeic communities of carabids (Coleoptera, *Carabidae)* in several **selected** forest habitats. 039867
Taxonomic review of genus Nebria Latr. (Coleoptera, *Carabidae)* from **Siberia** and Far East of the USSR [New taxa]. 040060
A melanic specimen of Harpalus (Ophonus) schaubergerianus Puel (rufibarbis auctt.) (Coleoptera, *Carabidae)* from **Suffolk**. 040009

CARABUS
Stridulation by *Carabus* **irregularis** Fabr. (Coleoptera, Carabidae). 039961

CARBACHOL
Studies on epinephrine & *carbachol* **induced** metabolic changes in Bubalus bubalis [Buffalo calves]. 033973
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of *carbachol* and the **ionophore** A-23187 on enzyme secretion and calcium movements in rabbit pancreas. 033812

CARBAMATES
Carbamate poisoning: Effect of **certain** *carbamate* pesticideson esterase levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). 039556
Toxicity of some organophosphates and *carbamates* against **Epilachna** vigintioctopunctata F. [Eggplants, potatoes]. 039320
Gas chromatographic determination of residues of **insecticidal** *carbamates*. 039589
Carbamate **poisoning:** Effect of certain carbamate pesticideson esterase levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). 039556
Phenylamide- and *carbamate-interactions* in **soils.** 039599

CARBAMIDE ***see*** **UREA**

CARBAMOYL
Some regulatory properties of pea **leaf** *carbamoyl* phosphate synthetase. 037815

CARBARYL
Movement of *carbaryl* through **Congaree** soil into ground water. 039573
Residues of *carbaryl* **[insecticide]** in ridge gourd (Lufa acutangula Roxb.: Cucurbitaceae). 039230
Residues of the **insecticides** *carbaryl* and monocrotophos in honeybee [Apis mellifera] colonies. 039567

CARBAZOLE
A **new** *carbazole* alkaloid and coumarins from roots of Clausena anisata. 037156

CARBOHYDRASES
The development of *carbohydrases* in **germinating** rye. 037595

CARBOHYDRATES
Changes in amino acids, *carbohydrates* and **capsaicin** content of red fruits of chillies infected with Colletotrichum piperatum. 038676
Certain *carbohydrate-metabolism* enzymes in the nodules of yellow lupine. 037354
Carbohydrate **changes** in invert syrups [in sugarcane sugar manufacture]. 033160
Analysis of *carbohydrate* **components** of beer wort from barley malt. 032895
Carbohydrate **composition** of horse spleen ferritin. 033788
Carbohydrate **compositions** of the rabbit plasminogen isozymes. 033759
Carbohydrate **concentrates** as an essential additive for cows on sown pastures. 034508
Synthesis of glycosylureas from *carbohydrates* **derived** from hydrolyzates of marine algae and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Effect of a *low-carbohydrate* **diet** and alcohol on perceptual motor skill. 032350
The role of **dietary** *carbohydrates* in plaque formation and oral disease. 032433
Influence of **dietary** *carbohydrate* on copper, iron, and zinc status of the rat. 032452
Nitrogen and *carbohydrate* **exchange** in poultry treated with ultraviolet radiation. 034237
Recent findings on regulation of *carbohydrate* and **fatty** acid metabolism in ruminants. 034750
Low *carbohydrate* diet, alcohol and hypoglycemia. 032292
Effect of oral contraceptives and vitamin B6 deficiency on *carbohydrate* **metabolism.** 032176
Carbohydrate **metabolism** in sheep endometrium during early pregnancy. 033875
Carbohydrate-fat **metabolism** in the digestive system of calves fed milk with the addition of formaline. 034488
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on *carbohydrate* **metabolism,** amylase activity and respiration in sprouting potato. 037617
Effect of the nitrogen source on the activites of key enzymes of *carbohydrate* **metabolism** in cultured plant cells in vitro [Acer pseudoplatanus]. 037939
Effects of storage technique for immature maize on the utilization of its *carbohydrates* and **nitrogen** in growing-finishing swine. 034289
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of **non-structural** *carbohydrate*. 041019
Developmentally regulated proteins of the plasma membrane of Dictyostelium discoideum. The *carbohydrate-binding* **protein[Fungi].** 037056
Effect of germination on the *carbohydrates,* **proteins,** trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Effect of temperature and active acidity of the medium on the metabolism of **reserve** *carbohydrates* and survivability of baker's yeast [Saccharomyces cerevisiae]. 037216
The influence of the degree of polymerisation of water **soluble** *carbohydrates* on their loss during hay drying in the field. 033589
Tuber meals as *carbohydrate* **sources** in broiler rations [chickens]. 034378
Changes in the content and composition of *carbohydrates* in **spring** wheat caused by the nitrogen fertilization. 037498
Metabolism of **starch** and other *carbohydrates*. 032247
Carbohydrate **tolerance** test in buffalo calves under normal and stress situations. 033976
Fiber and other **unavailable** *carbohydrates* and energy effects in the [human] diet. 032282
Levels of **water-soluble** *carbohydrate* in the pre-anthesis ear of wheat, and grain set per spikelet. 037485
Technological control of dry sausage ripening. V. Quality of dry sausages as a function of molecular **weight** of added *carbohydrates*. 033068
Automated quantitative analysis of **wood** *carbohydrates* by borate complex ion exchange chromatography. 035904

CARBONATES
Adsorption of the colouring matters of sugar factory juice on **calcium** *carbonate*. 033218
A note concerning **calcium** *carbonate* deposits in charophytes [Algae]. 037151
New formations of *carbonates* in **Chernozems** of the left-bankUkraine. 040732
Carbonate **in soil:** A theoretical consideration on, and proposal for its fabric analysis. 2. Crystal tubes, intercalary crystals, K fabric. 040706

CARBONS
Derepression of cellulase synthesis in Trichoderma lignorum[fungi] during limited consumption of readily **assimilated** *carbon* sources. 037115
Re-incorporation of *carbon* **atoms** into plasma glucose in newborn dogs. 033848
Some physical properties of **birch** *carbonized* in a nitrogen atmosphere [Betula, wood]. 035899
Pyruvate dehydrogenase complex from brewer's yeast [Saccharomyces carlsbergensis]: regulation **blythe** *carbon* source. 037312
Natural radiocarbon measurements on humic substances in the light of *carbon* **cycle** estimates. 040630
A method for **determining** *carbon* dioxide concentration [of interest to horticulture]. 038302
Comparison between refrigerated sea water (with or without added *carbon* **dioxide**) and ice as storage media for fish to be subsequently frozen. 032739
Application of controlled atmospheres containing 20 percent CO2 *[carbon* **dioxide]** to the storage of beef. 033055
Gas-blood pCO2 *[carbon* **dioxide** pressure] gradients during avian gas exchange [Chickens]. 034015
Studies on lichen-dominated systems. XIII. Seasonal and geographical variation of new CO2 *[carbon* **dioxide]** exchange of Alectoria ochroleuca. 036856
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 *[carbon* **dioxide]** exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859
A CO *[carbon* **dioxide]2** monitoring and control system for plant growth chambers. 037143
Abscisic acid content and stomatal sensitivity to CO2 *[carbon* **dioxide]** in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. 037200
Comparison of the changes in net photosynthetic CO2 *[carbon* **dioxide]** uptake and water vapour efflux during leaf ontogenesis with the differences between the [tobacco] leaves according to their descending insertion level. 037367
Photosynthetic CO2 *[carbon* **dioxide]** assimilation in maize and spinach leaves and chloroplasts. 037446
Studies on CO2 *[carbon* **dioxide]** uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, corn and sorghum plant. 037544
Transformation factor from *carbon* **dioxide** net assimilation to dry weight in crops. II. Peanut. 037546
Transformation factor from *carbon* **dioxide** net assimilation to dry weight in crops. III. Rice. 037547
Carbon **dioxide** transfer and photochemical activities as factors of photosynthesis during ontogenesis of primary bean leaves. 037742
Diurnal fluctuation of CO2 *[carbon* **dioxide]** release from the stem bark of standing young Pinus densiflora trees. 037923
The method for estimating the CO2 *[carbon* **dioxide]** gradient in an assimilation chamber [Pinus thunbergii, photosynthesis]. 037925
Influence of *carbon* **dioxide** narcosis and cold immobilization on the ovarian growth of the cockroach Nauphoeta cinerea. 039909
14C [carbon isotope]-labelled material leached from the rhizosphere of plants supplied continuously with 14CO2 *[carbon* **dioxide** isotope]. 040805
Annotated bibliography on rose nutrition, including supplementary CO2 *[carbon* **dioxide],** 1970-1975. 041061
Cytochrome b-563 redox changes in intact CO2- *[carbon* **dioxid]-fixing** spinach chloroplasts and in developing pea chloroplasts. 037652
Resistance to ketosis during prolonged fasting by rats fed on a diet containing undecanoic acid, an *odd-carbon-number* **fatty** acid. 032186
Abisko II: A computer simulation model of *carbon* **flux** in tundra ecosystems. 036187
Transport of **indoleacetic** *acid-carbon* 14 [isotope] under various conditions of potassium nutrition [Field beans, sunflowers]. 037434
Utilization of 14C *[carbon* **isotope]-** labelled Escherichia coli by rats [Nutrition]. 032191
Metabolism of L-leucine-U-14C *[carbon* **isotope]** in young rats fed excess glycine diets. 034252
The rate of incorporation and degradation of phenylalanine-14C *[carbon* **isotope]** by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. 034427
Effects of carnitine on oxygen uptake and utilization of (U-14C) *[uranium-carbon* **isotope]** palmitate by ejaculated bull spermatozoa. 034683
Incorporation of [2-14C *[carbon* **isotope]** acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Effect of experimental Neguvon intoxication on iron, copperand 14 C *[carbon* **isotope]** glycine content in the blood of poultry. 035404
The use of mid-day 14C *[carbon* **isotope]** fixation studies inthe determination of primary productivity in lake systems [Algae]. 037246
Effect of drought on post-photosynthetic conversions of *C14[carbon* **isotope]** in [broad] bean leaves. 037579
The effects of defoliation on the pattern of 14C *[carbon* **isotope]** assimilate distribution in the long peach shoots. 037687
Nonmetabolic catalysis of 14C *[carbon* **isotope]-furfuryl** amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Metabolism of 14C *[carbon* **isotope]-glutamic** acid and 14C-DL-arginine in chickens with different genotypes of the blood catalase. 033883
Studies on the quality of citrus fruits. III. Translocation of 14C *[carbon* **isotope]-labeled** compounds from leaves to fruit in Satsuma mandarin oranges. 037757
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C *[carbon* **isotope]-labelled** assimilates in spring wheat. 038570
14C *[carbon* **isotope]-labelled** material leached from the rhizosphere of plants supplied continuously with 14CO2 [carbon dioxide isotope]. 040805
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of *carbon* 14 **[isotope]-leucine** and tritiated glycine. 034302
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of *carbon* 14 **[isotope]-leucine** and. 034303
Nuclear magnetic resonance analysis of hydrogen and *carbon* **isotopes** of azulene extract derivatives of Eriocephalae punctulactus. 036860
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C *[carbon* **isotope]-sucrose** incorporation in their tissues. 039110
The effects of high and **low** *carbon* dioxide concentrations on plankton population dynamics [Algae]. 037245
The activity and localization of alanine- and aspartate amino-transferases in plants with *C4[carbon]-photosynthesis* **[Maize,** proso, rye]. 037395
Variation in the *carbon/dry* **matter** ratio in plant material. 036764
Localisation of *carbon* **metabolism** in two assimilation tissues of maize leaf. 037443
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, *carbon* **monoxide,** nitric oxide, oxygen] complexes of reduced horseradish peroxidases. 037639
A **negative** *staining-carbon* film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
Turnover of 15N-14C **[nitrogen** *isotope-carbon* isotope] acetyl urea in sheep. 034321
Effect of *carbon* and **nitrogen** nutrition on the growth and sporulation of Helminthosporium speciferum [Cotton]. 038650
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, *carbon,* **nitrogen** and phosphorus]. 040552
The utilisation of soil mycobacteria derivatives of purine and pirimidine (DPP) as the only source of **nitrogen** and *carbon*. 040847
Revision of the structure of the bisindole alkaloid 14',15'dihydropycnanthine. A *carbon-13* **nuclear** magnetic resonance study [Gonioma malagasy]. 037065
Photosynthetic *carbon* metabolism in certain plants of Vaigatch Island. 036842
Chloroplast fluorescence of C4 *[carbon]* **plants.** I. Detection with infrared color film. 037206
Phosphorus quota and the chlorophyll: *carbon* **ratio** in marine phytoplankton [Algae]. 037091
A *carbon* **rod** atomizer for analysis of trace metals in water [Quality]. 041289
Axial and transnodal movement of 14C, 22Na, and 36Cl *[carbon,* **sodium,** chlorine isotopes] in Nitella translucens [Algae]. 037039

Influence of various *carbon* **souces** and temperature on lipid composition of Rhizopus arrhizus [Fungi]. 037318
Effect of the chemical nature of the *carbon* **source** on the biomass composition [Candida tropicalis, Candida utilis, Trichosporon cutaneum, yeasts]. 037217
Effect of different *carbon* **sources** on growth, sporulation and production of toxic metabolite in culture of Sphaceloma curcumae [Curcuma longa]. 038682
The occurrence of C19 *[carbon]* **steroids** in testicular tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. 034699
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and *carbon* **tetrachloride** to hepatic protein and lipids in vitro and in vivo [in mice]. 035391

CARBONYLS
Dynamics of *carbonyl-compound* **accumulation** in irradiated mixed eggs during storage. 033118
Thin layer chromatography of 2,4-dinitrophenylhydrazones of *carbonyl* **compounds** [in dairy products]. 032989
Participation of Amadori rearrangement products and *carbonyl* **compounds** in oxygen-dependent browning of soy sauce [during storage]. 033253

CARBOXYL
Synthesis of 3-polyprenyltoluquinols and *4-carboxy-2-polyprenylphenols* by **cell-free** preparations of Euglena gracillis [Algae]. 037177

CARBOXYLASES
Identification of the small subunit of ribulose **1,5-bisphosphate** *carboxylase* as a product of wheat leaf cytoplasmic ribosomes. 037357
Effect of calcium ions on **pyruvate** *carboxylase* from pigeon liver. 033794
Structural properties of **pyruvate** *carboxylases* from chicken liver and other sources. 034148
Cysteine **sulfinate** *carboxylase* in the visual pathway of adult chicken. 034100

CARBOXYLATION
Regulatory action of blue light on the activity of *carboxylating* **enzymes** and enzymes of the glycolate pathway in broadbean and maize plants. 037449

CARBOXYLIC
Carboxylic **ester** hydrolases in the thyroid gland of the guinea-pig. A light microscopic study. 033917

CARBOXYPEPTIDASES
Carboxypeptidase **inhibitor** from potatoes. The effects of chemical modifications on inhibitory activity. 037646

CARCASS
The proposed **beef** *carcass* quality grade changes. 032108
Estimation of the composition of **beef** *carcasses* from the composition of the 11th rib cut. I. Anatomical composition. 033039
Relationship between the volume of the **beef** *carcass* and the weight of its anatomical and chemical components. 033040
Subcutaneous fat thickness of **beef** *carcasses.* 033041
Effects of elevated temperature conditioning on youthful and mature **beef** *carcasses.* 033088
The effect of dietary concentrations of digestible energy on the performance and *carcass* **characteristics** of early-weaned pigs. 034277
The fundamentals related to beef transport *[Carcass* **chilling].** 033405
Feeding studies with broiler fed wheat rich in crude protein. 2. Carcass yields and *carcass* **composition.** 034310
Effect of dried grass and whole grain in the diet of early-weaned lambs on performance and *carcass* **fat** quality. 034296
Intensification of beef cattle production by achieving **high** *carcass* weights in fattening bulls. 033108
Washing does not affect bloom or keeping quality of **lamb** *carcasses.* 031992
Determination of age of **lamb** *carcasses* from pelvic ossification. 033037
Prediction on the lean content of **lamb** *carcasses* of different breed types. 033086
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of *carcasses* and on the **level** of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Potassium concentration in bovine muscle as influenced by *carcass* **location,** breed, sex, energy intake, age and shrunk body weight. 033089
Comparative study: *carcass* and **meat** characteristics in young bulls of the Campine Red Pied and Charolais breeds slaughtered at the age of 16 months. 033038
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, *carcass* and **meat** characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Hygienic problems of cooling **poultry** *carcasses* during slaughter-house processing. 032140
Effects of simultaneous reductions of food intake and dietary protein concentration on the growth and *carcass* **quality** of bacon pigs. 034401
Influence of feeding level on the fattening performance and *carcass* **quality** of Black Pied bulls. 034498
Breeding for fattening performance and *carcass* **quality** in the mutton sheep population. 034829
State and development of **swine** *carcass* evaluation and its conversion for grading. 032133
Breed, line, sex and diet effects and interactions in **swine** *carcass* traits. 034659
Influence of sex and percent Brahman [cattle] breeding on growth and *carcass* **traits** [Performance]. 034729
The *Carcass* **value** of pigs slaughtered at equal weight or same age. 1. Comparison of the mean values and variation coefficients. 033044
Feeding studies with broiler fed wheat rich in crude protein. 2. *Carcass* **yields** and carcass composition. 034310

CARCINOGENESIS
Carcinogenic and **neurotoxic** components in the cycad Encephalartos altensteinii, Lehm. (Family Zamiaceae). 037301

CARCINOMA
Transitional **cell** *carcinoma* of the urethra in a cat. 035312

CARDAMINE
Control of lesser-seeded bittercress *[Cardamine* **oligosperma]** in container-grown ornamentals; progress report. 039119

CARDENOLIDES
Cardenolides of **Erysimum** suffruticosum. 036872
Cardenolides of the **flowers** and bulbs of Ornithogalum gussonii. 036873
Cardenolides of **Ornithogalum** schelkovnikovii. 036874
Weak **polar** *cardenolide* from Convallaria majalis L. Allomethylose as a sugar component of Convallaria glycosides. 13. 037150

CARDIAC
Separation and characterization of the troponin components from **bovine** *cardiac* muscle. 034043
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from *cardiac* and slow and **fast** contracting skeletal muscles [Dogs, cats]. 034039
A simple dichromatic densitometer for repeated measurements of *cardiac* **output** in small animals. 033846

CARDIASPINA
The life system of *Cardiaspina* **albitextura** (Psyllidae), 1950-74. 039635
The life system of *Cardiaspina* **albitextura** (Psyllidae), 1950-74. 039636

CARDING
Effect of carding variables and cotton-polyester blends on *carding* **efficiency** and processing performance. 033167
Individualizing cotton fiber by **"spiral"** *carding.* 033175
Effect of *carding* **variables** and cotton-polyester blends on carding efficiency and processing performance. 033167

CARDIOCHILES
Trehalose and glucose levels in the hemolymph of Heliothis virescens parasitized by Microplitis croceipes or *Cardiochiles* **nigriceps.** 039271

CARDIOVASCULAR
The development of sympathetic innervation and the functional state of the *cardiovascular* **system** in newborn dogs. 033851
The *cardiovascular* **system** [Cats, diseases]. 035318

CARIBOU
Growth of some *caribou* **lichens** of the genus Cladonia (subgenus Cladina) in a subarctic environment in New Quebec. 037130

CARICA
Spectrophotometric analysis of the preparation psoberan **[Ficus** *carica].* 037676
Post infection changes in nitrogen metabolism in virus **infected** *Carica* papaya L. [Papayas]. 038905

CARIES
The role of sugar in the development of **dental** *caries* [Streptococcus]. 032476
The effects of soil-borne microorgaisms on the germination of chlamydospores of **Tilletia** *caries* and Tilletia foetida [Potential for the biological control of bunt]. 038811

CARNATIONS
Chlorocholine chloride for better lodging resistace of **choice** *carnations* [Dianthus caryophyllus]. 038305
Carnation **[Dianthus** caryophyllus] propagation from shoot tips cultured in liquid medium. 037728
The Cultural Planning Committee of the *carnation* **[Dianthus** caryophyllus] growers trade. 038272
Aggregation properties of *carnation* **[Dianthus** caryophyllus]ringspot virus. 038931
Varietal trials of **miniature** *carnation* cultivars [Dianthus caryophyllus]. 038387

CARNITINE
Effects of *carnitine* on **oxygen** uptake and utilization of (U-14C) [uranium-carbon isotope] palmitate by ejaculated bull spermatozoa. 034683

CAROBS
Distribution of D-galactosyl groups in guaran and locust-bean *[carob]* **gum.** 032768

CAROTA
Chemical investigation of the seeds of **Daucus** *carota* Nantes [Carrots]. 037748

CAROTENE
Chemical alteration of *carotene* **biosynthesis** in Phycomyces blakesleeanus [Fungi] and mutants. 036775
Presence of *carotenes* and **chemical** composition determined and considered in some forage plants of Umbria [Nutritive value of feeds]. 034286
Effect of processing and storage conditions on the stability of chlorophyll and *beta-carotene* **content** of green leafy vegetables available in northern India. 033393
Effect of pepsin inhibitor (S-PI) [Streptomyces naniwaensis] on the growth and *carotene* **formation** of Rhodotorura glutinis [Yeasts]. 037005
The dynamics of *carotene* **formation** in plants as related to the level of nitrogen nutrition and irrigation [of pasture grasses]. 037342
Studies on *beta-carotene* and **lycopene** content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids [Tomatoes, breeding]. 036628

CAROTENOIDS
Carotenoids, **aspects** of biosynthesis and enzymology [Plants]. 036793
Carotenoids in **blue** mutant and normal green pupae of Hyalophora cecropia. 039835
The *carotenoid* **content** of galls produced by Eriophyes tiliae var. rudis Nal. (Acarina) on Tilia cordata Mill., leaves. 039400
Pigment synthesis and photosynthetic activity in *carotenoid* **deficient** mutants of maize. 037448
Organogeochemical studies of a 200-meter core sample from Lake Biwa. III. The determination of chlorophyll **derivatives** and *carotenoids.* 036244
Biosynthesis of *keto-carotenoids* in **Dictyococcus** cinnabarinus. 036766
Light-dependent *carotenoid* synthesis in the tomato fruit. 037759
On the mechanism of photoregulation or morphoses: **light-depending** *carotenoid* synthesis [Fusarium aquaeductuum, Neurospora crassa, fungi]. 036798
Influence of high pressure on the content of *carotenoids* in the **mycelium** of Blakeslea trispora Thaxter [Fungi]. 037120
Carotenoids of **pecan** nutmeats [Carya illinoinensis, varieties]. 038359

CAROTID
Ventilatory acclimatization and csf [cerebrospinal fluid] acid-base balance in *carotid* **chemodenervated** dogs at 3550 m. 034136

CARP *see* **FISH**

CARPINUS
Study of biomass and caloric value of the soil nematode population in hornbeam-oak *[Carpinus,* **Quercus]** forest in Bab. 040569

CARPOCAPSA
Use of Trichogramma and Entobakterin for [biological] control of the codling moth *[Carpocapsa* **pomonella,** pest of apples]. 039368

CARROTS
Problems of long term storage of *carrots* and **cabbage.** 033376
Effect of rifampin application time on crown-gall tumor induction by Agrobacterium tumefaciens [Kalanchoe, *carrots,* **kidney** beans]. 038856
Chemical investigation of the seeds of Daucus carota **Nantes** *[Carrots].* 037748
Productivity of *carrot* **seed** in relation to inbreedng. 036712
The influence of cyclic 3'5'-adenosine monophosphate on the induction of tumour transformation of *carrot* **tissue.** 037875
Selection 233—an excellent *carrot* **variety** for the plains. 038437
New disease of *carrots* in a **"virus".** 038943
Digestibility and nutritional value of some forages (white clover **hay,** ryegrass, *carrot-roots* and **wheat** bran) for ponies. 034282

CARTHAMUS
Nematicidal polyacetylenes, 3Z,11E- and 3E,11E-trideca-1,3,11-triene-5,7,9-triyne from *Carthamus* **tinctorius** L. 037293

CARTONS *see* **CONTAINERS**

CARYA
Effects of clearcutting [Quercus, *Carya*, **Acer** rubrum, Pinus] on the diversity of breeding birds. 035477
Mineral nutrient pool and cycling in a Missouri [Quercus alba, *carya]* **forest** [Soils]. 040669
Volatile components of pecan leaves and nuts, *Carya* **illinoensis** Koch [as possible attractants of the pecan weevil, Curculio caryae]. 037760
Carotenoids of pecan nutmeats *[Carya* **illinoinensis,** varieties]. 038359

CASEIN
Thermodynamics of the interaction between **alphas1-** and *kappa-caseins.* 032928
Processing and nutritional evaluation of **calcium** *caseinate* [Protein supplement]. 032370
Effect of folic acid on serum and liver cholesterol in rats **fed** *casein* at two levels. 032337
Isolation of Ne-(2-furoylmethyl)-L-lysine (furosine) from an acid hydrolyzate of *casein* **heated** with glucose. 032927
Genetic polymorphism of *beta-caseins* in **Kholmogorsky** cattle. 034810
Studies on *casein* **proteolysis.** II. Total casein proteolysis as influenced by heat treatment of milk proteins. 032996
Co-precipitates *[caseins* and **whey** proteins derived from milk]—a review. 033010
The effect of agitation on the production of lactic acid by Lactobacillus bulgaricus in a *casein* **whey** medium. 033014

CASHEW *see* NUTS

CASINGS
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of meat **adhesiveness** to the *casing.* 032766
Studies on adhesion of fish meat products to *casing* in **fish** sausage and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on adhesion of fish meat products to *casing* in **fish** sausage and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing 032766

CASSAVA
Cassava storage; post-harvest deterioration and storage of **fresh** *cassava* roots. 033468
High-temperature production of protein-enriched feed from *cassava* by **fungi.** 033503
Cassava **storage;** post-harvest deterioration and storage of fresh cassava roots. 033468
Mist propagation of *cassava* **tip** cuttings for nutritional studies: effects of substrate calcium concentration, temperature and shading. 038509
Cassava as a **total** substitute for cereals in livestock and poultry rations. 033517
Viscosity characterization of **unmodified** *cassava* starch paste. 033426

CASSIA
Sodium and cation accumulation by **senna** *(Cassia* acutifolia)[from northern Sudan]. 037042
Analysis of *Cassia* **tora** (Chirota seeds) from Indore division of Madhya Pradesh [Feed, cattle]. 034390

CASTANEA
Studies on chestnut *[Castanea]* **insects** in Ticino (Switzerland) [Pest control]. 039346
Treatment of woods in the chestnut *[Castanea]* **region** of thecanton of Ticino. 035659
Demonstration of virus-like particles in sweet chestnut *[Castanea* **savits]** and oak [Quercus cerris] with leaf deformations in Hungary. 038945
Effect of the age of **Tribolium** *castaneum* Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity [Flour pests]. 039426
Changes of scale in the study of the evolution of the genetic variance through selection in **Tribolium** *castaneum.* 039614
Genetic analysis of a population of Tribolium *[castaneum].* V. **Viability** of the unsaturated fatty acid sensitive mutant. 039654

CASTE
Biology of Melipona beecheii B. (Hymenoptera: Meliponini), a bee of Mexico: an experimental study of *caste* **determination.** 040191
Endocrine activity during *caste* **differentiation** in Zootermopsis angusticollis Hagen (Isoptera): a morphometric and autoradiographic study. 039661
Endocrine control of *caste* **differentiation** in Zootermopsis angusticollis Hagen (Isoptera). 039662
The genus Protermes (Isoptera: Termitidae): description of **imago** *caste* and new records from central Africa. 040101

CASTOR
Castor **[beans]** production can be improved [Breeding]. 036554
Insects [Empoasca devastans, Empoasca kerri motti] and plant hosts *[Castor,* **cotton].** 039255
Role of geometrical structure of fatty-acid radicals in **dehydrated** *castor* oil in its reaction with styrene. 032859
Characterization of proteins and allergens in **germinating** *castor* seeds by immunochemical techniques [to study its potential toxicity as feed]. 033549
Cephalic and thoracic nerves of the *castor* **silk** moth Samia ricini (Lepidoptera, Saturniidae). 039606

CASTORBEANS
Effect of ricin on biosynthesis of myeloma protein (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 **cells** *[Castorbeans].* 037361
Region—an effective [pre-harvest] desiccant of *castorbean* under **irrigation.** 038559
Effects of soil furrowing [on the yield of sunflowers and *castorbeans* under **irrigation].** 041213
Vegetative and reproduction habits of *castorbean* **(Ricinus** communis) as affected by the nutrient area [Spacing]. 038556
Molecular mechanisms of stimulating effect of ionizing radiation on seeds: Activation of RNA **synthesis** *[Castorbeans].* 037249

CASTRATION
Sexual behaviour in *castrated* **rabbits** treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. 034672

CASUARINA
Diurnal changes in nitrogen fixation in the root nodules of *Casuarina* **[cunninghamiana].** 037247
Microstructural and microchemical studies of wood decay of *Casuarina* **equisetifolia** by Fomes durissimus [Fungi]. 035887

CATABOLISM
Catabolism of **fatty** acids by chicken liver homogenates incubated with margaric, stearic and linoleic acids [Animal nutrition]. 034423
Effect of GAL4 gene dosage on the level of **galactose** *catabolic* enzymes in Saccharomyces cerevisiae [Yeasts]. 037011
Further studies on **glucose** *catabolism* in the early phases of germination of Phaseolus mungo seeds [Mungo beans]. 037479
Glucose repression of the **inducible** *catabolic* pathway for pentitols in Rhodotorula gracilis [Fungi]. 037305
Mutants of Saccharomycopsis lipolytica defective in **lysine** *catabolism* [Yeasts]. 036562

CATALASES
Effect of low moisture level on *catalase* **activity** in some [field] crop plants during juvenile phase. 037346
Metabolism of 14C [carbon isotope]-glutamic acid and 14C-DL-arginine in chickens with different genotypes of the **blood** *catalase.* 033883
The effects of various dietary levels of menadione and iron on **hepatic** *catalase* activity in rats maintained on a vitamin E deficient diet. 032320
Effect of sodium dodecyl sulfate on the dissociation of bovine **liver** *catalase.* 034026
Obtaining *catalase* in crystalline form) from the fungus Penicillium vitale Pifopl. et Bilai. 036910
Oxidation of methanol and formaldehyde by a system containing alcohol oxidase and *catalase* **purified** from Candida [fungi] sp. N-16. 032711

CATALYSIS
Effect of pH [hydrogen-ion concentration] and ionic strength on the *catalytic* and **allosteric** properties of native and chemically modified ox liver mitochondrial glutamate dehydrogenase. 033760
The experience of using the heterogenous **enzymatic** *catalysis* in wine and juice production. 033479
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under *catalytic* **hydrogenation** conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Nonmetabolic *catalysis* of 14C [carbon isotope]-furfuryl amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Kinetic studies on the hydrolysis of **p-nitrophenyl-beta-D-glucoside** *catalyzed* by beta-glucosidase from sweet almond by means of the stopped-flow method. 033424
Comparison of the *catalytic* **properties** of [bovine] thrombin and trypsin by kinetic analysis on the basis of active enzyme concentration. 034023
Induction of the *catalytic* **protein** of (Na+ +K+) [sodium and potassium ions]-ATPase in the salt gland of the duck. 033800
Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the *acid-catalyzed* **pyrolysis** of cellulose and 1,6-anhydro-beta-d-gluco-pyranose (levoglucosan). 035718
Chemistry of tobacco constituents: oxidation of alpha-ionone and the *acid-catalyzed* **rearrangement** of 5-keto-alpha-ionone. 033251

CATARACTS
Suckling **mouse** *cataract* agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492

CATCHMENT
Reservoir sedimentation associated with *catchment* **attributes** landslide potential, geologic faults, and soil characteristics. 041380
Mineralogy of topsoils and subsoils from Camp **Stream** *Catchment* of the Waimakariri Valley, New Zealand. 040703

CATECHOLAMINES
Effects of divalent cations and of *catecholamines* on the **late** response of the superior cervical ganglion [Dogs]. 034073
The effect of *catecholamines* on the **metabolism** of glucose, fatty acids, and on the heart frequency in goats. 034226
Wool growth rate in relation to **plasma** *catecholamine* and serum total thyroxine concentrations in growing lambs. 033717
Catecholamine **release** from bovine adrenal medulla in response to maintained depolarization. 034072
Hormonal regulation of thermogenesis in goslings. Possible **role** of *catecholamines.* 033719
Catecholamine **sensitive** adenylate cyclase activity in different segments of the rabbit nephron. 034123
The role of *catecholamines* in **stimulating** the release of pituritary ovulating hormone(s) in sheep. 034544
Role of *catecholamines* in **thyroxine-induced** changes in metabolism and body temperature during exercise in dogs. 033896
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on **uterine** *catecholamine* levels related to abnormal parturition in rats. 034667

CATERPILLARS
Studies on the efffect of some commonly used insecticdes against coconut **black-headed** *caterpillar* [Nephantis serinopa Meyr]. 039326
Control of the forest **tent** *caterpillar* [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, biological control]. 039403

CATFISH
Dieldrin in the diet of **channel** *catfish* (Ictalurus pnctatus): uptake and effect on growth. 039575

CATIONS
Sodium and *cation* **accumulation** by senna (Cassia acutifolia)[from northern Sudan]. 037042
Effects of ouabain on two types of **active** *cation* transport in the cat submandibular gland. 033936
Effect of **alkaline** *cations* on the electrophoretic spectrum of water-soluble proteins of tomato leaves. 037861
Cation and **anion** permeability of rabbit submaxillary main duct. 033932
Effects of **divalent** *cations* and of catecholamines on the late response of the superior cervical ganglion [Dogs]. 034073
Relations between **divalent** *cation* binding and ATPase [adenosintriphosphatase] activity in coupling factor from chloroplast [Lettuce]. 037698
Infrared study of **exchangeable** *cation* hydration in montmorillonite. 040763
Effect of tetraphenylboron upon the uptake of the **LIpophilic** *cation* dibenzylidmethylammonium by yeast [Saccharomyces cerevisiae] cells. 036814
Chemotropic effect of **metal** *cations* on Sinapis alba L. [Mustard] roots as affected by some factors. 037662
Effect of **monovalent** *cations* on transport of sugars in tissues of sugarbeets. 037425
Control of binder migration in nonwovens—use of anionically dispersed binders and *cationic* **quaternary** amines [Colloidal stability of latexes]. 032914
Cationic **surface-active** agent as bactericide [Wastewater treatment]. 041627

CATS
Influence of local strychninization of the cerebral cortex on the cortical rhythmic **afterdischarge** *[Cats].* 034193
Diseases caused by chemical and physical **agents** *[Cats].* 035414
Allergy *[Cats].* 035317
A steroid **anaesthetic** for *cats.* 034916
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to meat extract stimulation in **anaesthetized** *cats.* 034078
Sedation and general **anesthesia** *[Cats].* 034891
Integration of chemoreceptor stimuli by rostral brainstem respiratory **areas** *[Cats].* 034016
Chronic relapsing stomatitis in a *cat* **associated** with feline leukemia virus infection. 035061
Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora **bigemina** from *cats.* 035292
Cat **bite** transmission of Yersinia pestis infection to man. 035125
Conditional motor reflexes after monolateral damage of the subthalamic Luys **body** in *cat.* 033829
The character of functional associations of neurons determined by RNA and SH [sulfhydryl]-groups in the *cat* **brain** cortex. 034219
CAMP [cyclic adenosine-3',5', monophosphate] as a second messenger in central blood pressure **control** *[Cats].* 035366
Electrophysiological study of connections between some subcortical nuclei and the cerebral **cortex** *[Cats].* 033900
Barbiturate spindling of the neuronally isolated **cortex** *[Cats].* 034192
Feline **dietetics** *[Cats].* 034359
Nutrition and **disease** *[Cats].* 034367
Blood and bloodforming organs *[Cats,* **diseases].** 034888

The digestive system *[Cats,* **diseases].** 034893
The ear *[Cats,* **diseases].** 034894
The eye *[Cats,* **diseases].** 034895
The nervous system *[Cats,* **diseases].** 034896
The respiratory system *[Cats,* **diseases].** 034897
The skin *[Cats,* **diseases].** 034898
Bacterial and rickettsial **diseases** *[Cats].* 035067
Internal metazoal and protozoal **diseases** *[Cats].* 035068
Mycotic **diseases** *[Cats].* 035069
Viral **diseases** *[Cats].* 035070
The cardiovascular system *[Cats,* **diseases].** 035318
The endocrine system *[Cats,* **diseases].** 035319
The musculoskeletal system *[Cats,* **diseases].** 035320
Erythrocyte enzyme activities and glutathione levels of the horse, *cat,* **dog** and man. 033867
Some aspects of the pharmacology of antibiotics in the *cat* and **dog.** 035128
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles **[Dogs,** *cats].* 034039
Radiological interpretation of bones **[Dogs,** *cats].* 034902
Histochemical differentiation of the microfilariae of Brugia pahangi and sub-periodic Brugia malayi *[Cats,* **dogs].** 034995
Examination and occurrence of rabies in the territory of Czechoslovakia in the years 1969-1973 **[Foxes, dogs,** *cats].* 035225
The effect of streptococcus on the persistence of Brugia malayi and on the production of **elephantiasis** in *cats.* 035095
The effects of muscle cooling and stretch on muscle spindle secondary **endings** in the *cat.* 033997
Electrophysiological and histological study of the splanchnic nerve **fibers** *[Cats].* 033771
The development of Taenia pisiformis in various definitive host species [Dogs, *cats,* **foxes,** ferrets]. 035094
Osteogenesis **imperfecta** in the *cat.* 035357
The organization of the claustrum somatosensory afferent **input** in *cats.* 034194
Effect of electrode implantation and electrical stimulation of hypothalamus on food **intake** in *cats.* 033718
Selective deficit in feeding behavior following the antero-medial amygdaloid **lesions** in *cats.* 033716
The influence of seasonal changes in light on hormones in normal cats and in *cats* with **lesions** of the superior colliculi and pretectum. 034064
Cat **leukemia** and its viruses. 034962
Activity of medullary respiratory neurones during reflexes from the **lungs** in *cats.* 034172
Histamine receptors in the *cat* **mesenteric** circulation. 033893
Comparison of synaptic vesicle sizes in axonal profiles synapsing on neuronal bodies and dendrites in the *cat* **motor** cortex. 034216
Analysis of activity of muscle spindles of the jaw-closing muscles during normal **movements** in the *cat.* 034071
Successful management of nocardial empyema in a dog and *cat* **[Nocardia** asteroides]. 035103
From attentiveness to sleep. A topographical analysis of localized "synchronized" activities on the cortex of **normal** *cat* and monkey. 033708
The influence of seasonal changes in light on hormones in **normal** *cats* and in cats with lesions of the superior colliculi and pretectum. 034064
Secretory potentials in *cat* and **possum** [Salivary glands]. 033960
Neuronal activity in the lateral vestibular nucleus of the *cat.* IV. **Postsynaptic** potentials evoked by stimulation of peripheral somatic nerves. 034132
Surgical **procedures** *[Cats].* 034892
Myeloproliferative disorders in the *cat.* 3. **Progression** from erythroleukemia into granulocytic leukemia. 035314
Spreading depression resulting from cortical **punctures** *[Cats].* 033711
Cellular contacts in the synovial membrane of the *cat* and the **rabbit:** an ultrastructural study. 033856
Secretory potentials in *cat,* **rabbit** and mouse salivary glands. 033959
Dissociative effects of selective lesions in the caudate nucleus of *cats* and **rats.** 033706
Feline **reproduction** *[Cats].* 034616
The genital system [Diseases, abnormalities, **reproduction,** *cats].* 034638
Feline infectious peritonitis: a **review** *[Cats].* 035160
Secretory responses to sympathetic stimulation of the *cat's* **salivary** glands in a state of resting secretion. 034162
The biological significance of PGO [ponto-geniculo-occipital] spikes in the **sleeping** *cat.* 033712
Post-synaptic specializations in *cat* **spinal** cord. 033878
The bony tentorium of the *cat:* **sterotaxic** coordinates. 033734
Control of depth and frequency of breathing during baroreceptor **stimulation** in *cats.* 034008
Binocular interaction in **strabismic** *kittens* deprived of vision. 034176
The effects of ductal ligation on the parenchyma of salivary glands of *cat* **studied** by enzyme histochemical methods. 033918
Effects of ouabain on two types of active cation transport in the *cat* **submandibular** gland. 033936
Diseases of the urinary **system** *[Cats].* 034889
Intraaxonal and extraaxonal transport of 125I-[iodine isotope]-tetanus toxin in early local **tetanus** *[Cats].* 035167
Fluid **therapy** *[Cats].* 034890
Neuronal activity in the lateral vestibular nucleus of the *cat.* V. **Topographical** distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133
Transitional cell carcinoma of the **urethra** in a *cat.* 035312

CATTLE

Nitrogen in soil cores and ground water under **abandoned** *cattle* feedlots. 040674
Adaptation of local and **acclimatized** *cattle* breeds to high temperatures and solar radiation. 034178
Rumination of *cattle* **affects** production. 034450
Haemoglobin types in **African** *cattle.* 034084
The demands which different production systems place on **Africander** *cattle* [Feeding]. 034250
Beef cattle improvement. Lecture delivered **Africander** *Cattle* Breeders' gahering, POtschefstroom, May 1975 [Breeds]. 034546
Performance and progeny testing of beef cattle with special reference to **Africander** *Cattle.* 034547
Determination of behaviour norms in *cattle* of various **age** and purpose. 033698
The peasants in *East-Friesian* **agriculture** in the 16th to 18th centuries [History, social and political aspects]. 031061
Comparisons of Chianina X Hereford and Chianina X **Angus** *heifers* [Beef cattle breeds]. 034720
Mannosidosis of **Angus** *cattle:* a prototype control program for some genetic diseases. 035293
Annual *cattle* reserch, 1974-1975. 033695
Discussion: What's expected from beef *[cattle]* A. I. **[Artificial** insemination]? 034781
The growth of **Ayrshire** *cattle:* an analysis of linear body measurements. 033740
The changing structure and enconomic situation of the Australian sheep and **beef** *cattle* grazing industry. 031228
Wintergrazing **beef** *cattle* on Louisiana farms [Labor, management]. 031275
Quality in **beef** *cattle*—does it pay? [Price]. 031527
The A. I. [Artificial insemination] industry market potential **[Beef** *cattle].* 031714
Agriculture and the Washington scene **[Beef** *cattle* industry, marketing, outlook]. 031903
Intensification of **beef** *cattle* production by achieving high carcass weights in fattening bulls. 033108
Experiences with rearing **beef** *cattle* in Hungary. 033635
Now! Special forage beef systems for southern cattlemen **[Beef** *cattle].* 033659
Grazing of **beef** *cattle* in the forest combined with pasture. 034270
Demonstrative studies on large-scale farming of **beef** *cattle* in the southern Kyushu District. II. An experiment on fattening steer calves by open-air management. 034348
Poultry waste in a commercial feeding operation **[Beef** *cattle,* dairy cattle]. 034379
Effect of supplemental selenium on performance and deposit of selenium in blood and hair of finishing **beef** *cattle.* 034408
Coastal Bermuda [Cynodon dactylon] for grazing and hay production [Feeding **beef** *cattle].* 034437
Comparison of the digestibility of various sorghum grain varieties **[Beef** *cattle].* 034439
Comparisons of ground and whole shelled corn, roughage supplements and potassium and cobalt additions in finishing **beef** *steers.* 034440
Digestibility of finishing rations containing milled rice or corn **[Beef** *cattle].* 034441
Effect of age and sex on growth rate of **beef** *cattle* fed high roughage rations. 034442
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and feedlot finishing programs **[Beef** *cattle].* 034443
Nutrient content and digestibility of permanent pasture **[Beef** *cattle].* 034446
Relationship between nutrition and heredity in swine and **beef** *cattle.* 034447
The influence of sodium acetate in rations for finishing **beef** *cattle.* 034448
Performance and liver copper levels of **beef** *heifers* fed broiler litter. 034477
Beef *cattle* improvement. Lecture delivered Africander Cattle Breeders' gahering, POtschefstroom, May 1975 [Breeds]. 034546
Performance and progeny testing of **beef** *cattle* with special reference to Africander Cattle. 034547
Studies on relationship between transferrin type and production traits in Japanese **beef** *cattle.* III. On genetic distribution of transferrin type and hemoglobin type in Japanese beef cattle. 034591
Factors influencing weaning performance in Florida BCIA **[Beef** *Cattle* Improvement Association] herds [Breeds]. 034593
Comparisons of Chianina X Hereford and Chianina X Angus heifers **[Beef** *cattle* breeds]. 034720
Effects of pasture management systems and season of breeding on reproductive performance of **beef** *cattle.* 034724
Embryo transplants from exotic breeds [of **beef** *cattle].* 034725
Estrus synchronization and fertility studies [in **beef** *cattle]* at Dean Lee Agricultural Center. 034726
Management practices to improve reproductive performance with artificial insemination in **beef** *cattle.* 034730
Superovulation and embryonic survival rates in **beef** *cattle* [Estrus]. 034736
The effect of steroid hormones on sexual behavior in **beef** *heifers.* 034737
A new development for a potentially improved anaplasmosis [Anaplasma] vaccine **[Beef** *cattle].* 035143
Effects of vaccination of **beef** *cattle* for anaplasmosis [Anaplasma]. 035144
The use of anthelmintics in rotational grazing coastal Bermudagrass [Cynodon dactylon] for maximum gains **[Beef** *cattle].* 035145
Triticale as a grazing crop for yearling **beef** *steers.* 038022
Relationship of serum transferrin type to meat productivity of Japanese **Black** *cattle.* 034090
Course of parturition and rearing performance of *heifers* of the **Black** Pied dairy cattle genotype based on Simmental cattle. 034830
Temperature-induced changes in metabolism and body weight of *cattle* **(Bos** taurus). 033850
Robertson-type translocations (centric fusions) of autosomes in *cattle* **(Bos** taurus L.). 034604
Experimental studies on autogenous skin grafting in **bovine** *[Cattle].* 033979
The grazing feed intake of *Hereford* and **Brahman** cross cattle in a cool temperate environment. 034403
Application of linear programming in the determination of an optimum organization of the *cattle* **branch** under varying conditions. 031245
The Landhill *[cattle]* **breeding** programme. 034703
Influence of sex and percent Brahman *[cattle]* **breeding** on growth and carcass traits [Performance]. 034729
A method for formation of analog groups in research on genetics and **breeding** *[Cattle].* 034813
Gynecological dispensary system on large farms *[Cattle,* **breeding].** 034852
New method of hygienic removal of spermatozoa in the operation of *cattle* **breeding** stations. 034859
Beef—from trail drives to America's main course *[Cattle,* **breeding].** 034870
Comparative study: carcass and meat characteristics in young bulls of the Campine Red Pied and *Charolais* **breeds** slaughtered at the age of 16 months. 033038
Livestock at the country fair: *cattle* **[Breeds].** 033604
Growth differences between the beef *[cattle]* **breeds.** 034615
Age specificity of the amino acid composition and nitrogen content in the connective tissue of Caucasian **Brown** *cattle.* 034180
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, *Jersey,* **Brown** Swiss, Milking. 034580
Autosomal chromosome translocation of Piebald cattle and **Brown** *cattle.* 034612
Serological relationship of taxonomically closely related domestic ruminants: *cattle,* **buffalo,** sheep & goat. 033972
Selenium levels in fodders and its relationship with Degnala disease *[Cattle,* **buffaloes,** toxicity]. 035417
Osteogenesis with homogenous bone meal in fracture repair in a *Hariana* **bull** calf—a case report. 035418
Studies on semen characteristics of Tharparkar and *Jersey* **bulls.** 034651
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and *Hereford* **bulls** with Black Pied cows. 034837
A method for determining the survival rate of isogenic erythrocytes in the blood flow of *cattle* in **cases** of transfusions. 033880
Poisoning in *cattle* **caused** by a batch of sugarbeet pulp. 035430
Amino acids, their annalogues and ninhydrine positive substances in *cattle* **cerebellum.** 033828
Meat productivity and skin quality of calves: crosses of Bulgarian Red cattle with **Charolais** and *Hereford.* 034873
Chiana *cattle* do well on marginal lands [Capital, costs]. 031420
Comparisons of Chianina X *Hereford* and **Chianina** X Angus heifers [Beef cattle breeds]. 034720
Duration of post vaccination immunity to foot-and-mouth disease in *cattle* with **chronic** diseases. Experiments on leukosis and tuberculosis. 035018
A hypophysis-abscess-syndrome in *cattle.* I. **Clinical** investigations [Cornebacterium pyogenes]. 035168
Johne's disease of *cattle:* **comparison** of four diagnostic microscopic methods. 035196
Results of studies on udder sucking in heifers kept in industrial **conditions** *[Cattle].* 034924
Mastitis **control** *[Cattle].* 035211
Experience in the use of estrus synchronization in heifers in Halle **County** *[Cattle].* 034832
Optimum combination of age at 1st calving and 1st lactation production of *Hariana* **cows.** 033634
Reproductive behavior of *Brahman* **cows.** 034599
The grazing feed intake of Hereford and *Brahman* **cross** cattle in a cool temperate environment. 034403
Comparisons of exotic- and *Brahman-sired* **crossbred** calves for birth and weaning traits. 034721
Oxytocin following artificial insemination in **crossbred** *heifers.* 034731

Immunoglobulins of blood and milk of Indian pure and **crossbred** *cattle.* 035073
Study of time funds available for maintaining industrial **dairy** *cattle* plants. 031250
Production system and production design for **dairy** *cattle* [Management]. 031348
Tax exempt feed concentrates during a critical period do not cost the government a coin [Costs, **dairy** *cattle].* 031479
Credit assistence for **dairy** *cattle* raising [Brazil]. 031503
Points of departure and goals of the research project [**Dairy** *cattle,* milk production and processing]. 033615
Development, state and developmental tendencies of **dairy** *cattle* husbandry. 033648
Organization of large-scale **dairy** *cattle* raising. 033690
Move over, milky way—our cows are stars too [**Dairy** *cattle].* 033694
The rhythm of milk yield in **dairy** *cattle* [Lactation curve]. 034091
The constituent concentrations of mammary gland secretions of non-lactating quarters as influenced by lactating quarters [**Dairy** *cattle].* 034174
Influence of the type of forage harvester on the value of grass silages for *heifers* of **dairy** breeds. 034292
Relative value of nutrients in **dairy** *cattle* forages. 034325
A new forage evaluation system [**Dairy** *cattle].* 034326
Preliminary remark to the problem area II: Feeding, milk yield and economical aspects of **dairy** *cattle* husbandry. 034339
Interpreting forage test results [**Dairy** *cattle].* 034358
Poultry waste in a commercial feeding operation [Beef cattle, **dairy** *cattle].* 034379
Using sugarcane as **dairy** *cattle* fodder. 034453
Minimum concentrate feeding for efficient milk production [**Dairy** *cattle].* 034458
Fertility differences between groups of sires relative to the stage of estrus at the time of insemination [**Dairy** *cattle].* 034559
Performance of purebred and crossbred **dairy** *cattle* in Thailand. 034561
Studies on **dairy** *cattle* production. III. Relationship between criteria of production, duration of lactation and interval between first and second calving [Selection]. 034571
Promoting the A. I. [Artificial insemination] industry [**Dairy** *cattle].* 034783
Biological principles of the formation of the type of **dairy** *cattle* for enterprises and farms with industrial technology [Breeding]. 034804
Course of parturition and rearing performance of heifers of the Black Pied **dairy** *cattle* genotype based on Simmental cattle. 034830
Reproductive herd health program for **dairy** *cattle.* 034839
Milk leucocyte counts and their significance in mastitis control [**Dairy** *cattle].* 035162
Bloat survey in the northern irrigation areas [**Dairy** *cattle].* 035313
Treatment for retained placenta with a combination of Uniberbyl and Terramycin [**Dairy** *cattle].* 035331
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: Ixodidae) [**Dairy** *cattle,* pests]. 039470
On securing the function of large industrial **dairy** *cattle* plants [Barns]. 040322
Suggestions for the construction of the tying shed type L 203 accomodating 200 **dairy** *cattle.* 040329
Effect of **dairy** *cattle* manure on millet and rye forage and soil properties. 040998
The influence of sex on the calf on the productive traits of *Hariana* **dams.** 034653
Preweaning maternal heterosis of backcross and three-breed cross beef **dams** *[Cattle].* 034732
Productivity of straightbred, backcross and three-breed cross beef **dams** *[Cattle].* 034733
The diets of *cattle* and **deer** on rangeland. 034352
The use of low quality forage in ruminant **diets** *[Cattle].* 034374
Dirty *cattle*—an embarrassment to the industry. 033599
Foot-and-mouth **disease** *[Cattle].* 034971
Latent form of foot-and-mouth **disease** *[Cattle].* 035244
Further data concerning fertility **disorders** of *cattle.* 034849
Role of staphylococci in reproductive **disorders** in *cattle.* 035219
Establishment of dominance-submission relationships in **domestic** *cattle.* III. Effect of social experience. 034241
Lethal trait A46 (hereditary zinc deficiency) in **Dutch** *Friesian* cattle, a deficiency of cellular immunity? 035302
Effect of monensin fed with forage on digestion and the ruminal **ecosystem** of *steers.* 034407
Why survey heats? *[Cattle,* **estrous** cycle]. 034786
Megestrolacetat administered for induction of and synchronization of **estrus** in *heifers.* 034765
Use of chlormadinone acetate (Bovisynchron) for synchronizing **estrus** in *cattle.* 034865
Canada's **European** *cattle* importation. 031561
Genetic polymorphism of milk proteins in Japanese cattle and **European** *cattle* breeds in Japan. 034706
Supplemental feeding of *steers* on **everglades** pasture. Effect on pasture and feedlot performance and economics of production [Income]. 034350
Paratuberculosis, symptomatology and favoring **factors** *[Cattle].* 034989
Productivity and price in *cattle* **farming.** 031547
Preparing and using maize grain silage with high humidity rate as fodder for **fattening** *cattle.* 033573
Demonstrative studies on large-scale farming of beef cattle in the southern Kyushu District. II. An experiment on **fattening** *steer* calves by open-air management. 034348
Systems of **fattening** *cattle* in southwest Virginia. 034479
Veternary aspects of first experience gained with folding **fattening** *cattle* in forests. 034928
In vitro study on the mechanism of ammonium chloride on the prevention of urolithiasis in **fattening** *cattle.* 035352
Mechanization of *cattle* **fattening** units. 040480
Protein quality of rumen bacterial preparations from *cattle* **fed** rations of different roughage content. 034171
Recirculation of refuse as *cattle* **feed.** 033515
Utilisation of pyrethrum wste products as a livestock **feed** *[Cattle].* 033928
Analysis of Cassia tora (Chirota seeds) from Indore division of Madhya Pradesh [**Feed,** *cattle].* 034390
Structural changes in [wheat] straw as affected by rumen microflora *[Cattle,* **feed** digestibility]. 034522
Economic advantages of using citrus fruit peels for **feeding** *[Cattle].* 034362
Sugarcane as the basis for intensive animal production in the tropics *[Cattle,* **feeding].** 034369
Problem of standardizing calcium and phosphorus in relation to **feeding** *cattle.* 034537
Full feed and mechanization in *cattle* **feeding** [Equipment]. 040493
Zeranol implantation in grazing heifers and in combination with melengestrol acetate in **feedlot-fed** *heifers.* 034482
Results of studies on the sexual maturity of **female** *cattle* from the commercial crossing of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837
Observations on **fertility** in *cattle.* 034635
Choosing protein supplement for *steer* **finishing** rations. 034366
Use of poultry manures in *steer* **finishing** rations. 034417
Lethal trait A46 (hereditary zinc deficiency) in Dutch **Friesian** *cattle,* a deficiency of cellular immunity? 035302
On the problem of classification of ceruplasmin locus in *cattle* [**Genetics**]. 034629
DDT analog depletion patterns in *steers* [**Gin** trash, residues]. 039566
Trailer for *cattle*—**gooseneck** type. 040509
Effect of level of supplemental energy fed **grazing** *steers* on performance during the pasture and subsequent drylot period. 034406
Zeranol implantation in **grazing** *heifers* and in combination with melengestrol acetate in feedlot-fed heifers. 034482
Hematological studies on **grazing** *cattle* with petechia on the visible nucous membrane [Bracken poisoning]. 035423
A mass attack by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on **grazing** *cattle* in Denmark; a new aspect of sewage discharge. 039494
Measures for virus disease control in large **groups** of *cattle.* 035098
Nutritional studies with **growing** *Friesian* calves on certainfeeding levels under local conditions. 1. Feed utilization and metabolism trials during the 2nd six months of growth. 034266
Wheat, barley and corn silages for **growing** *steers* and lambs. 034418
Forecasting the **growth** of *cattle.* 034236
Influence of length of feeding period, ration and breed on *steer* **growth** rate. 034445
Experience in the use of estrus synchronization in *heifers* in **Halle** County [Cattle]. 034832
Dairy *[cattle]* **herd** improvement progress report 1975. 033591
Dynamics of social hierarchy in a dairy *[cattle]* **herd.** 034240
Meat productivity and skin quality of calves: crosses of Bulgarian Red cattle with *Charolais* and **Hereford.** 034873
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, *Guernsey,* **Holstein,** Jersey, Brown Swiss, Milking. 034580
Cattle **housing:** insulated—not insulated. 033641
Several systems of tethering and untethering cattle and their expedient use in *cattle-sheds* [**Housing** system]. 040387
Fertility in *cattle* **husbandry.** 034581
Crossbreeding in *cattle* **husbandry.** 034742
The role of artificial insemination in the genetic **improvement** of *cattle.* 034778
Farms specializing in **industrialized** *cattle* rearing. 033688
The manager's viewpoint *[Cattle* **industry].** 031365
A contribution to the occurrence of fetal hepatopathies in *cattle* [**Infectious** diseases, Aspergillus fumigatus]. 035257
Knowing your market situation [Artificial **insemination,** *cattle].* 031711
1975 **interim** *cattle* and swine census. 033622
Retention rate in cows and *heifers* of **intravaginal** silastic coils impregnated with progesterone. 034692
Tomato cultivation on the Channel **Island** of *Guernsey.* 038518
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in *cattle* in **Japan,** 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering defective calves. 035305
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in *cattle* in **Japan,** 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. 035306
Genetic polymorphism of milk proteins in **Japanese** *cattle* and European cattle breeds in Japan. 034706
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, *Holstein,* **Jersey,** Brown Swiss, Milking. 034580
Winter-time care will decide fate of your **'keeping'** *heifers.* 034449
Vaccination as a method of foot-and-mouth disease control: An appraisal of the success achieved in **Kenya,** 1968-1973 *[Cattle].* 035028
The immune response obtained with quadrivalent FMD [footand-mouth disease] vaccines in **Kenyan** *cattle.* 035025
Results of studies on udder sucking in *heifers* **kept** in industrial conditions [Cattle]. 034924
Genetic polymorphism of beta-caseins in **Kholmogorsky** *cattle.* 034810
Examination of the resting of *cattle* under **large** scale technological conditions. 033594
Choice of animals for **large-capacity** *cattle* stables. 033685
Surgery and orthopedic equipment in **large-scale** *cattle* farms. 034949
Some possible effects of dung beetle activity on the infestation of pastures by intestinal worm **larvae** of *cattle.* 039469
Use of immunofluorescence in the diagnosis of **leptospirosis** *[Cattle].* 035255
Glycogen demonstration in the leucocytes of healthy and **leucotic** *cattle* [Leukemia]. 035373
Detection of a specific antigen in white blood cells of *cattle* with **leukemia** by the direct fluorescent antibody procedure. 035280
Some elements of etiopathogeny in *cattle* **leukosis.** 035195
Method of calculating leukocytes in phase contract [**Leukosis,** *cattle].* 035246
Experiences on the acclimatization of the **Limousine** *cattle* breed at the Hajduszoboszlo State Farm [Hungary]. 034550
Forecasting the *cattle* **market.** 031521
Cattle **markets.** 031534
Studies on *heifer* **mastitis.** II. Biochemical properties and microbiological findings of exudates from normal and mastitic udders of the heifer. 035012
Mating times of *heifers* and **milk** productivity of once-calved cows. 034868
Changes in the alpha-glucosidase activity during slow autolysis of *cattle* **muscular** tissues. 034140
Methods of detecting Theileria **mutans** [in *cattle].* 035247
Atypical **mycobacteria** in *cattle.* 035260
Some comments on the eitiology of **mycoses** in *cattle.* 035272
Estrogenic syndrome of fungal nature in *cattle* **[Mycotoxicosis].** 035439
The indirect hemagglutination test for the detection of antibodies in *cattle* **naturally** infected with mycoplasmas. 035037
Roughages for *cattle* in the **Netherlands.** 4. 034329
Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, Cherry Hill, **New** *Jersey,* October 20-22, 1974. 033182
Results of a small scale field trial in **Nigerian** *cattle* of foot-and-mouth disease vaccines produced from local virus strains. 035023
Renewed interest concerning the need for lime, phosphorus, and some trace elements in *cattle* **[nutrition].** 034328
The verified identification program [Genetic improvement **ofdairy** *cattle].* 034785
Controlling black fly [Simulium arcticum] **outbreaks** *[Cattle].* 039449
Research study of the **pancreolithiasis** in *cattle.* 035301
Certain experiences concerning the farm management analysis of *cattle-breeding* on the **Papa** State Farm [Hungary]. 031297
Self-immunization in the cutaneous **papillomatosis** in *cattle.* 035194
Westensee and Hutten Mountains: two [national] **parks** in *Schleswig-Holstein.* 041620
Management of **parturition** *[Cattle].* 034586
Influence of sex and **percent** *Brahman* [cattle] breeding on growth and carcass traits [Performance]. 034729
Autosomal chromosome translocation of **Piebald** *cattle* and Brown cattle. 034612
New model for Black **Pied** *cattle.* 034743
The incidence of toxoplasma antibodies among sheep, *cattle* and **pigs** slaughtered in a Belgian slaughter-house. 034993
Parathion **poisoning** in *cattle.* 035429
First stocking of an industrial dairy with **pregnant** *heifers* or young proven cows. 034833
On the prevention of nutritional dystrophy in *heifers* in the **Presov** District. 035383
Influence of altitude and age on pulmonary arterial **pressure** in *cattle.* 034152
Surveys on the milk sucking **problem** in *cattle.* 034927
You can't cull mastitis **problems** away *[Cattle].* 034887
The world food crisis—the Watergate of animal agriculture *[Cattle* **production,** meat consumption]. 031678
Diet and milk protein **production** *[Cattle].* 034420
Contribution to the planned concentration and specialization of feed **production** *[Cattle].* 038054
Heredity of economically important **properties** in *milch-cattle.* 034634
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal chromaffin granules *[Cattle,* **rabbits,** rats]. 034118
Chemotactic effects of some staphylococcal substances *[Cattle,* **rabbits].** 035290

Influence of some hormones on the oxygen consumption in leucocytes of different *cattle* **races** and hybrids. 034617
Cattle **raising** and its prospects in the Tachov District. 033684
Practice of barn disinfection in *cattle* **rearing.** 033647
Meat productivity and skin quality of calves: crosses of Bulgarian **Red** *cattle* with Charolais and Hereford. 034873
Protection of livestock from tsetse [Glossina morsitans] bites by means of **repellents** *[Cattle].* 039505
Resistant *cattle* for biological control of cattle tick [Boophilus microplus]. 039440
Incorporation of (3H) [tritium]-arachidonic acid into *cattle* **retina** lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. 034101
Use your feed to make more money. 10 *[Cattle,* **returns].** 031483
Start your health program by feeding **right** *[Cattle].* 034354
Disinfection *[Cattle* **sanitation].** 034876
The use of Rompun for surgical embryo transfer procedures in *cattle* **[Sedatives].** 034738
Selling *cattle:* public auctions. 031537
Quarantine [storage period] for *cattle* **semen** reduced. 034563
Study of the enzymatic activity of human and anaimal serum cystine aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium **[Sheep,** *cattle].* 034225
The use of some by-products in feed mixtures for animals *[Cattle,* **sheep].** 034375
Fermentation, utilization and palatability of broiler litter ensiled with high moisture corn grain **[Sheep,** *cattle].* 034471
Characteristics of the major internal protein and RNA-dependent DNA polymerase of bovine leukaemia virus *[Cattle,* **sheep].** 035108
Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus [Liver fluke, *cattle,* **sheep].** 035179
Testing of sulfene and KP-5 for fasciolíasis of ruminants *[Cattle,* **sheep,** liver fluke]. 035254
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and density [Grazing, **sheep,** *cattle].* 037975
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, *cattle,* **sheep].** 039496
Course of parturition and rearing performance of heifers of the Black Pied dairy cattle genotype based on **Simmental** *cattle.* 034830
Results of studies on the sexual maturity of female cattle from the commercial crossing of *Charolais,* **Simmental** and Hereford bulls with Black Pied cows. 034837
Fibril formation in solutions of solubilized collagen [of *cattle* **skin].** 033824
Criteria for effectiveness in the production of *cattle* for **slaughter** [Costs, East Germany]. 031472
Digestibility of ground by-products (forestomach) of **slaughter** *cattle* used in dog nutrition. 034428
Necessity to **slaughter** *cattle* vaccinated against foot-and-mouth disease. 035020
Studies on the evaluation of the measles haemagglutination-inhibition test for rinderpest in Gujarat **State** *[Cattle].* 035086
Genetic analysis of **sterility** in *heifers.* 034816
[Farm] machine exhibition at the **summer** *cattle* show. 040494
Animal improvement with maize *[Cattle,* **swine].** 034451
Neonatal isoerythrolysis in domestic animals: a comparative review [Horses, *cattle,* **swine].** 035294
The relative incidence and effect of bovine infectious keratoconjunctivitis in Bos indicus and Bos **taurus** *cattle.* 034979
Resistant cattle for biological control of *cattle* **tick** [Boophilus microplus]. 039440
The *cattle* **tick** [Boophilus microplus] in relation to animalproduction in Australia. 039441
Modifying effect of daily yields on the heat **tolerance** of *cattle.* 034186
A 20-year run on tests for early growth, breed mixing for beef **tonnage** *[Cattle].* 034741
Monoacetoxyscirpenol, a new mycotoxin produced by Fusarium roseum Gibbosum [Feed, contamination, **toxicity,** *cattle].* 033550
Partial replacement of protein with carbamide in feeding rations and its effect on the concentration of free amino acids in the digestive **tract** of *cattle.* 034493
Continuous infusion of follicle stimulating hormone for follicular growth in embryo **transfer** *heifers.* 034722
Some problems of leucosis genetics in *cattle.* I. **Transmission,** the age of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. 035315
Digestibility of untreated and sodium hydroxide **treated** *steer* fecal waste. 034466
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of exudates from normal and mastitic **udders** of the *heifer.* 035012
Several systems of tethering and **untethering** *cattle* and their expedient use in cattle-sheds [Housing system]. 040387
Torsion of **uterus** in *cattle.* 035364
Soaking of complete fattening rations high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on nutritional **value** *[Cattle].* 034275
Problems in planning breeding **work** with *cattle.* 034824
Duration of post vaccination immunity to foot-and-mouth disease. New experimental **works** *[Cattle].* 035019
Studies into stressor action on calf organism in the contest of adjustment after movement to industrialised **young** *cattle* breeding unit. 034108
The effect of grass meal on metabolic processes in the body and on productivity of **young** *cattle.* 034523
The prevalence of antibodies to bovine virus diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New **Zealand** *cattle.* 035163

CATTLEMEN

Now! Special forage beef systems for **southern** *cattlemen* [Beef cattle]. 033659

CATTLEYA

Meristem-tip in vitro culture of *Cattleya* **sp.** 037839
Cattleya **violacea** in Venezuela. 036099

CAULIFLOWERS

Effect of black polyethylene mulch on the growth, earliness and yield of *cauliflower* **(Brassica** oleracea var. botrytis). 041015
Downy mildew [Peronospora brassicae] in *cauliflower* in **central-northern** Italy. 038726
Use of plastic in the cultivation of *cauliflower* under **glass.** 038519
Poly (G) synthesizing activity in soluble chromatin isolated from *cauliflower* **inflorescence.** 037783
Harvesting **methods** for *cauliflower.* 038327
When to **spray** *cauliflower* [Pest control, chemical]. 039359
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, *cauliflower,* and **tomatoes).** 037824

CAVES

Isolation and existence of imperfect **fungi** in *caves.* 036122
The diatoms of **Timpanogos** *Cave* National Monument, Utah [Algae]. 035956

CAVIA

Mammary neoplasia in the guinea **pig** *(Cavia* porcellus). 035311

CECIDOMYIIDAE

Study on relationships between habits and external structures in oligotrophidi larvae **(Diptera,** *Cecidomyiidae).* 039963
Information on wing-reduced Diptera in the ground litter. VI. Genus Microcordylomyia, Aprionus and **Trisopsis** *(Cecidomyiidae,* Diptera). 040165

CECROPIA

Carotenoids in blue mutant and normal green pupae of **Hyalophora** *cecropia.* 039835

CECUM

Diurnal variations in composition of *caecal* **contents** in rabbits. 034242
Effects of a diet containing 40 percent dried whey on the performance and lactase activities in the small intestine and *cecum* of **Hampshire** and Chester white pigs. 034409

CEDARS

Comparison of the present and past bryophyte [Bryophyta] flora of *Cedar* **Bog.** 036097

CELERY

Self **blanching** *celery*—protected cropping [Greenhouse culture]. 038481
Tips for *celery* **cultivation.** 038438
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, melons, *celery,* **onions,** bacteria, molds]. 038859
Is clean soil still possible? [Plant diseases, *celery,* **radishes].** 039072
Celery **yield** increased by sowing germinated seeds. 038360

CELLS

The informational role of the action potentials in the *cell* of **Acetabularia** [mediterranea, Algae]. 036916
Membrane potential and conductance measurements in mouse and rat pancreatic **acinar** *cells.* 033955
Cortisone-resistant effector T *cells* in **acute** lymphocytic choriomeningitis and Listeria monocytogenes infection of mice. 034999
New lines of *cells* and the **adaptation** to them of the foot-and-mouth disease virus [Livestock]. 035248
Evidence for the existence of two types of cAMP [cyclic adenosine-5'-monophosphate] binding sites in **aggregating** *cells* of Dictyostelium discoideum [Fungi]. 036862
Immunohistochemical localization of alpha-amylase in barley **aleurone** *cells.* 036321
Histochemical investigation of acid phosphatases in **aleurone** *cells* of barley. 037374
Vitality test on **aleurone** *cells* of the endosperm of Zea mays (aleurone-tetrazolium test) [Corn]. 037563
Extracellular **alkaline** ribonuclease of Penicillium brevicompactum [Fungi]. 036770
The failure of **allogeneic** *cells* to maintain an immume response in nude mice [Infectious diseases]. 035200
Cellular **analysis** of the sigmoid curve of root growth [Quercus robur]. 037906
Measurement of protein turnover in **animal** *cells.* 034104
An in vivo study of the action of type A2 influenza virus on the chromosomes of **animal** *cells.* 034600
Rapid detection of mycoplasmata and nonculturable agents in **animal** *cell* cultures by uracil incorporation. 035148
Substitution of cellular fatty acids in yeast [Saccharomyces cerevisiae] *cells* by the **antibiotic** cerulenin and exogenous fatty acids. 036822
Isolation, culture, and induction of embryogenesis in protoplasts from *cell-suspensions* of **Atropa** belladonna. 036347
The control of *extracellular* **1,3-beta-glucanase** activity in the basidiomycete species QM806 [Fungi]. 037314
Glutathione polymorphism in the sheep red **blood** *cells.* 033986
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep red **blood** *cells]* administration. 035078
Detection of a specific antigen in white **blood** *cells* of cattle with leukemia by the direct fluorescent antibody procedure. 035280
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on cultured **brain** *cells* from chick embryos of different ages. 033892
Chromosome constitution in cultured **callus** *cells* from four aneuploid lines of the homoeologous group 5 of Triticum aestivum [Wheat]. 036575
Effect of tetraphenylboron upon the uptake of the LIpophilic cation dibenzylidmethylammonium by yeast [Saccharomyces **cerevisiae]** *cells.* 036814
Isolation and characterization of variant clones of **Chinesehamster** *cells* after treatment with irradiated 5-iodouridine. 034757
Chloride *cells* of the larvae of Caenis diminuta Walker (Ephemeroptera, Caenidae) under different salinity. 039818
Interactions among *cellular* **compartments** in Euglena [gracilis var. bacillaris, Algae] during chloroplast development. 036969
Disc electrophoretic analysis of *cellular* **components** derived from Fusobacterium necrophorum [Bovine hepatic abscesses]. 035014
Cellular **contacts** in the synovial membrane of the cat and the rabbit: an ultrastructural study. 033856
Replication of a nuclear polyhedrosis virus in a **continuous** *cell* culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. 039866
Intracellular **control** mechanisms regulating secretion by exocrine and endocrine glands. 033939
Determining the maximum allowable natural air to escape from **cooling** *cells.* 032821
Respiration of the *cells* of **corn** roots during deceleration of the rate of root growth induced by reduced temperature. 037587
The binding of 86 rubidium [isotope] by a microsomal fraction of the ox **cortex** *cells.* 034218
A cytogenetic study of the effect of the joint action of ethyleneimine and gamma rays on the *cells* of **Crepis** capillarisseeds in two successive mitotic cycles. 036663
Cytogenetic effect of N-nitroso-N-methyl urea on *cells* of **Crepis** capillaris L. seeds stored for a long time after treatment. 036954
The packing of southern bean mosaic virus [cowpea strain] in various **crystal** *cells.* 038924
Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prowazeki by passages in *cell* **culture** [Chick embryos]. 034958
Activation of division and extension of tobacco tissue **culture** *cells* in the presence of 4-amino-3,5,6-trichloropicolinic acid. 037411
Enhanced inhibition of RNA synthesis by amanitins in in vitro **cultured** *cells* [Amanita phalloides, poisonous fungi]. 036925
The isolation of bovine ephemeral fever virus in *cell* **cultures** and evidence of autointerference. 035001
On the mechanism of chronic foot-and-mouth infection of *cell* **cultures** with specific resistance to the virus. 035207
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and *cell* **cultures.** 037775
Structure and mechanism of action of uridine diphosphate apiose/ uridine Diphosphate xylose synthase from *cell-suspension* **cultures** of parsley (Petroselinum hortense). 037873
Microanalysis of RNA from **defined** *cellular* components [Chironomus tentans]. 039874
Use of electronic computers for **determining** *cell* numbers in milk tank samples [Mastitis control]. 035273
Effect of caffeine on recovery from DEB **[diepoxybutane]-induced** *cell* inactiation in UV [ultraviolet]-sensitive mutants of Saccharomyces cerevisiae. 036597
Comparison of early embryonic and **differentiating** *cell* surfaces: interaction of lectins with plasma membrane components [Chick blastoderm]. 033790
Transpiration rate and *intercellular* **diffusive** resistance in the tobacco leaf. 037372
The *intracellular* **digestive** apparatus of cultured chicken heart cells. A morphological, enzyme cytochemical, and morphometriec study. 034247
The *subcellular* **distribution** of 239Pu [plutonium isotopes] in rat liver parenchymal cells after exposure in vivo and invitro. 033913
Effect of colchicine, maleic hydrazide, caffeine & theobromine on *cell* **division** of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Potassium requirement for *cell* **division** in Anacystis nidulans [Algae]. 037013

Effects of X-irradiation on *cell* **division,** oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Preliminary report on the response of the **efferent** *cells* to ordor stimulation [Periplaneta americana]. 039649
Localization of growth-inhibiting action of aluminium ions in **elongating** *cell* walls [Pea roots]. 037706
Viral factors required for interferon induction by Newcastle disease virus in mouse macrophages and chicken **embryo** *cells.* 035112
The effect of temperature on the ultrastructure of the *cells* of the **embryos** of Euonymus europaea L. in the process of stratification and germination of seeds. 037898
Cellular **energy** dependent agglutination of rat ascites tumor cells mediated by concanavalin A and Ricinus communis agglutinin. 036809
Cell **enlargement** and tissue differentiation during leaf expsnsion in beech, Fagus grandifolia. 036291
Hormonal control of insect **epidermal** *cell* commitment in vitro [Tobacco hornworm, Manduca sexta]. 039296
Simultaneous demonstration of separate phases with different phenol content in the leaf **epidermis** *cells* of Salix alba L. 036350
The time-course of changes in mucosal architecture and **epithelial** *cell* production and cell shedding in the small intestine of the rat fed after fasting. 032364
Biochemical characteristics of sterile-cultured tissue and *cells* of some **essential** oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
Adaptations of buffalopox virus to an **established** *cell* line. 035082
Relation between amylase release and changes in electrophysiological and morphological properties of *cells* in the **exocrine** pancreas. 033957
Glucanases in Schizosaccharomyces, isolation and propertiesof an exo-beta-glucanase from the *cell* **extracts** and culture fluid of Schizosaccharomyces japonicus var. varsatilis. 036817
Substitution of *cellular* **fatty** acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and exogenous fatty acids. 036822
Electron microscope examination of Tyuleniy virus-infected chick **fibroblast** *cells.* 035281
Appearance and disappearance of multiply ciliated **follicular** *cells* during development of the dog's thyroid gland. 033732
The effect of cholesterol oleate treatment of mice on the rosette **forming** *cell* response against sheep erythrocytes. 034164
Rapid selection of microorganisms **forming** *extracellular* lipases [Aspergillus, fungi]. 037122
Free *intracellular* amino acids of the mycelium of Aspergillus oryzae [Fungi] and acid proteinase synthesis. 036771
Cellular **funds** of sugars and respiration [Peas]. 037858
Effect of ricin on biosynthesis of myeloma protein (IgA) [immunoglobulin A] and **general** *cellular* proteins in MOPC-315 cells [Castorbeans]. 037361
Role of the **generative** *cell* in androgenesis in henbane [Anthers, uninucleate pollen grains]. 036355
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the male **germ** *cells.* 034622
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male **germ** *cells* [Mice]. 034758
The Rhodnius testis: hormones, differentiation of the **germ** *cells,* and duration of the molting cycle. 039667
The Rhodnius testis: hormonal effects on **germ** *cell* division. 039668
Electrogenic sodium pump in exocrine **gland** *cells.* 033937
Aging and its relation to *cell* **growth** and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to growth restricting conditions. 039900
Further study of the mutation process in chinese **hamster** *cells* in vitro. 034815
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the *cells* of **haploid** yeasts [Saccharomyces cerevisiae]. 036661
Ultraviolet-induced alterations of beat rate and electrical properties of embryonic chick **heart** *cell* aggregates. 034063
The intracellular digestive apparatus of cultured chicken **heart** *cells.* A morphological, enzyme cytochemical, and morphometriec study. 034247
Origin of antibody-dependent, *lymphoid-cell-independent* **hemolytic** plaques in rabbit spleen cell cultures. 035190
Redox state of the **hepatic** *cells* in rats receiving a diet containing 1,2-propanediol. 032497
Alfalfa silages in butyl **hermetic** *cells* lost by flow of juice and gas emission. 033508
Protein synthesis in homologous and **heterologous** *cell-free* systems from chick embryo connective tissues. 033811
Phosphorylation of ribosomal proteins from eukaryotes in homologous and **heterologous** *cell-free* systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
Thermal hardening of the *cells* of **higher** plants in the semiarid subtropics. 037272
Specific effects on enzyme activities upon dilution of Petroselinum **hortense** *cell* cultures into water. 036787
Inhibition of cellular protein synthesis by simultaneous pretreatment of **host** *cells* with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Fate of tobacco mosaic virus after entering the **host** *cell.* II. Electron microscopy of virus particles recovered from inoculated leaves. 038926
Exposure by phospholipase A of receptors for sheep erythrocytes on **human** B *cells.* 034111
Electron-cytochemical study in localization of glucose-6-phosphatase activity of cytoplasm of Funaria **hygrometrica** *cells.* 036365
Cell-mediated **immunity** [Nutritional deficiencies]. 032264
Salmonella enteritidis infection in rats: antigens involved in *cell-mediated* **immunity.** 035000
Lethal trait A46 (hereditary zinc deficiency) in Dutch Friesian cattle, a deficiency of *cellular* **immunity?** 035302
Immunoglobulin-containing *cells* in pig mammary gland. 033996
Ultrasonic treatment of *cells* **infected** with myxomatosis virus. 034985
DNA polymerase in pseudorabies virus **infected** *cells.* 035109
Comparison of RNA polymerase associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently **infected** L *cells.* 035130
Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from *cells* **infected** with pig herpes virus 1. 035216
Methods with **insect** *cells* in suspension culture. I. Aedes albopictus. 039872
Methods with **insect** *cells* in suspension culture. II. Drosophila melanogaster. 039873
Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore [Acer pseudoplatanus] *cells* and **intracistronic** reiteration. A DNAhybridization study. 037895
Membrane potentials and activity of potassium **ions** *cells* of tobacco tissue cultures. 037584
Procedure to **isolate** *cell* nuclei from the callus of tobacco. 036357
Cell **isoperoxidases** in sweetpotato plants in relation to mechanical injury and ethylene. 037809
Propagation and characterization of Ranikhet (Newcastle) disease virus in chicken embryo fibroblast and **kidney** *cell* culture. 035084
Cytological characteristics of bovine **kidney** *cell* culture chronically infected with foot-and-mouth disease virus. 035279
Isolation of a pure fungal culture during cultivation of *cells* of **Kochia** americana. 037278
Effects of water stress on the ultrastructure of **leaf** *cells* of Sorghum bicolor. 037520
Cell **length** variation in the secondary phloem of Dalbergia spp. with increasing age of the vascular cambium. 036270
Dietary vitamin E and selenium requirements for optimum metabolic function at the *subcellular* **level.** 032269
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] *cell* **line** cultured in vitro. 039904
The effect of endotoxin upon retention and *intracellular* **liver** distribution in rats. 035431
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in **living** *cells.* 039926
Guinea pig liver L-asperaginase. Separation, purification, and *intracellular* **localisation** of two distinct enzymatic activities. 033798
Subcellular **localization** of inorganic ions in plant cells [Nitella translucens, algae]. 037261
Comparison of in vitro and in vivo cell cycle parameters of **lymphoid** *cells* in pig spleens. 033857
Immunological studies in protein malnutrition: IV. **Lymphoid** *cell* proliferation in malnourished mice after SRBC [sheep red blood cells] administration. 035078
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via **lymphoid** *cells* and/or serum [Pekin ducklings]. 035217
Testing the protective effect of *cell-free* **lyophilized** vaccine against Marek's disease in field trials [Chickens]. 035228
Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T *cells,* **macrophages** and antigen. 035057
A model for the regulation of growth in **mammalian** *cells.* 034085
Genetic approaches to enzyme induction in **mammalian** *cells* and hybrids in culture. 034582
Electron microscopy study of the structure of *cells* of the **mammary** gland during various periods of lactation and under the effect of luteotropin. 034183
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and **mast** *cells,* calcium and calcium ionophores [Posterior pituitary hormones]. 033952
Spectra of protein synthesis in dividing and **mature** *cells* of maize root. 037432
Critical density for relaying in Dictyostelium discoideum [fungi] and its relation to phosphodiesterase secretion into the *extracellular* **medium.** 036320
On the natural resistance of Drosophila **melanogaster** *cells* to 6-mercaptopurine and 8-azaguanine. 039764
Permeation of certain milk components through the *cell* **membrane** of mammary glands. 034139
Effect of some aromatic amines of mitotic activity of **meristematic** *cells* of maize and bean roots. 037373
Chromosome distribution in neuroblast **metaphase** *cells* of Locusta migratoria L. 039676
Conditions for using automatic methods of counting **milk** *cells:* calibration and preservation of milk samples. 032985
Effect of ricin on biosynthesis of myeloma protein (IgA) [immunoglobulin A] and general cellular proteins in **MOPC-315** *cells* [Castorbeans]. 037361
Population study of Saccharomyces cerevisiae [yeasts]. I. *Cell* **morphology** and age categories distribution in dependence on the medium composition in a continuous cultivation. 036833
Cell **multiplication** in a salt-tolerant strain of Chlorella saccharophila [Algae] under saline condition. 036851
A mechanical dissociation method for preparation of **muscle** *cell* cultures [Chick embryos]. 034044
Development of excitability in embryonic chick skeletal **muscle** *cells.* 034045
Polysomes from cultured **muscle** *cells:* the cell-free synthesis of myosin [Chick embryos]. 034046
The action of thyroxine on the structure of the heart **muscle** *cell* mitochondria in prenatal ontogenesis [Chick embryos]. 034217
The relation of pigment composition in algae **mutant** *cells* to their resistance to inhibitors of photophosphorylation. 036976
The physiology of the salivary **myoepithelial** *cells.* 033964
Histogenesis of aminergic **nerve** *cells* in the chick's diencephalon, Gallus gallus. 033756
The environment and function of insect **nerve** *cells.* 039778
Activity of **neurosecretory** *cells* in relation to ovarian cycle of the viviparous cockroach Nauphoeta cinerea (Olivier). 039800
Filamin, a new high-molecular-weight protein found in smooth muscle and **non-muscle** *cells* [Chickens]. 034146
Isolation and properties of **nonspecific** *intracellular* ribonuclease of Aspergillus clavatus [Fungi]. 037221
Factors influencing changes in ploidy and nuclear DNA levels in *cells* from **normal,** crown-gall and habituated cultures of Helianthus annuus L. [Sunflowers]. 036345
An electron microscopic study of the **nucellus** *cells* in bothriochloa ischaemum L. 036296
Comparative studies on the *cells* of **nutritive** tissue of the young gall Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. 039231
Development and physiology of the **oocyte-nurse** *cell* syncytium [Insects]. 039609
On the specificity of ultrastructure and function of *cellular* **organoids** in Verticillium dahliae (Kleb) [Wilt, cotton]. 038806
The occurrence of lipid in the **oxyntico-pepticc** *cells* of the proventriculus of the fasting domestic fowl [Chickens]. 033999
Effect of stilbestrol dipropionate on hemoglobin, **packed** *cell* volume, plasma protein and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
The subcellular distribution of 239Pu [plutonium isotopes] in rat liver **parenchymal** *cells* after exposure in vivo and invitro. 033913
Pig kidney epithelial (PS) *cells:* a **perfect** tool for the study of Flaviviruses and some other arboviruses. 034960
Studies on the uptake of calcium and strontium by isolated **periosteal** *cells* [Chickens]. 034143
An ultrastructural study of acid phosphatase localization in *cells* of **Phaseolus** vulgaris [kidney beans] phloem by the use of the azo dye method. 036362
Electron microscopic investigations on the structure of the **photoreceptor** *cells* in the compound eye of Ascalaphus macaronius (Insecta: Neuroptera). (Preliminary note). 039790
Observations on the fine structure of the haustorium of Melampsora pinitorqua (A. Br.) Rostr. in *cells* of **Pinus** pinea L. 036298
Localization of DNA replicator sites near the nuclear membrane in **plant** *cells* [Haplopappus gracilis]. 036308
Multinucleate **plant** *cells.* I. Aneuploidy in a proliferating population. 036309
Protein kinase in cultured **plant** *cells.* 036821
Nonspecific hyperpolarization of **plant** *cell* under the action of poisons in small concentration [Nitella syncarpa, Algae]. 036909
Subcellular localization of inorganic ions in **plant** *cells* [Nitella translucens, algae]. 037261
On some molecular mechanisms retaining water in **plant** *cells.* 037264
Decanoic acid, a new precursor for the in vitro biosynthesis of oleic acid by a **plant** *subcellular* fraction [Cauliflowerhomogenate]. 037659
Ribosomal cistrons in higher **plant** *cells.* I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus cells. 037894
Ribosomal cistrons in higher **plant** *cells.* II. Sequence homology between the two mature rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895
Effect of the nitrogen source on the activites of key enzymes of carbohydrate metabolism in cultured **plant** *cells* in vitro [Acer pseudoplatanus]. 037939
Plasma *cells* in the avian harderian gland and the morphology of the gland in the rook [Poultry, quail]. 033854
Ultrastructural peculiarities of *cells* and **plastids** during change from tissue culture heterotrophic nutrition to autotrophic one. 036288
Study on the effect of dimethylsulphate on the development of mother **pollen** *cells* in Coreopsis tinctoria. 036280

Extracellular **polysaccharides** of soil bacteria. 040650
Tritiated-thymidine induced changes in *cell* **population** kinetics in root meristems of Pisum sativum [Peas]. 039054
Synthesis of 3-polyprenyltoluquinols and 4-carboxy-2-polyprenylphenols by *cell-free* **preparations** of Euglena gracillis [Algae]. 037177
Mechanism of unbalanced growth and death of biotin-deficient yeast [Saccharomyces cerevisiae] *cells* in the **presence** of aspartic acid. 039021
Cell **proliferation** in the developing wing-bud of normal and talpid3 mutant chick embryos. 034051
Cell **protein** as animal feed from thermophilic digestion of swine wastes. 033535
Inhibition of *cellular* **protein** synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Ribosomal cistrons in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer **pseudoplatanus** *cells.* 037894
Kinetics of the **red** *cell* washout from coronary vessels of isolated feline hearts. 033847
Red *cell* and total blood volumes during sexual excitement and copulation in the boar. 034542
Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the **retrograde** *cell* degeneration method. 033701
Effect of adenine and imidazole derivatives and indolylacetic acid on membrane potential of the *cells* of **root** hair in Trianea bogotensis. 036939
Betalains *[Cell* **sap** pigments confined to Centrospermae]. 036792
Bioelectrical properties of **secretory** *cells.* 033949
Sertoli *cell* tumour in a bull. 035330
The time-course of changes in mucosal architecture and epithelial cell production and *cell* **shedding** in the small intestine of the rat fed after fasting. 032364
Zinc deficiency in **sickle** *cell* disease. 032437
Single *cell* protein—food or feed. 032333
Single *cell* protein potential [Nutrition]. 032397
Unusual sources of proteins for man [**Single** *cell* protein, algae, yeasts, bacteria]. 032781
The potential of **single** *cell* protein for animal feed. 033529
Cellular **slime** molds [Dictystelium] of southeast Asia. I. Description of new species [Acytostelium subglobosum]. 035952
Cellular **slime** molds [Dictyostelium, Polysphondylium, Acytostelium] of southeast Asia. II. Occurrence and distribution. 035953
The synthesis of messenger RNA in the *cellular* **slime** mold Dictyostelium discoideum. 036550
Studies on the alkaline phosphatase and 5'-nucleotidase of Dictyostelium discoidleum *[Cellular* **slime** mold]. 036789
Acid protease activity during germination of microcysts of the *cellular* **slime** mold Polysphondylium pallidum. 037010
The development of an automated analytical system for the determination of **somatic** *cells* in milk [Quality, sanitation]. 031966
The interpretation of **somatic** *cell* counts in milk [Sanitation]. 031968
Chemical induction of chromosome aberrations in **somatic** *cells* of Drosophila melanogaster. 039878
Intercellular **spaces** of storing parenchyma studied by electron microscopy in Beta vulgaris [Sugarbeets]. 037428
Correction: mouse **spleen** *cells* cultured in homologous serum can indeed make primary antibodies to sheep erythrocytes. 034175
Antibody synthesis by chicken **spleen** *cells* in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
Origin of antibody-dependent, lymphoid-cell-independent hemolytic plaques in rabbit **spleen** *cell* cultures. 035190
Correction: Mouse **spleen** *cells* cultured in homologous serumcan indeed make primary antibodies to sheep erythrocytes [Immunity]. 035199
Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B *cells* at various **stages** after immunization for T cells, macrophages and antigen. 035057
Enzyme activity changes during cyclic AMP [adenosine monosphosphate]-induced **stalk** *cell* differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. 037048
Scanning electron microscopy of the endosperm of cereal crops. 3. **Starch** *cell* layer of white-core rice. 033195
Scanning electron microscopy of the endosperm of cereal crops. 4. **Starch** *cell* layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Localization of reactions of the C-4 dicarboxylic acid cycle in *cellular* **structures** of assimilating tissues of the cornleaf. 037583
Crested thylakoids in carotenoidoplasts of **subepidermal** *cells* of the pumpkin Cucurbita pepo L. var. aurantiformis hort. 037874
Effect of proteases on activation of resting chick embryo fibroblasts and on *cell* **surface** proteins. 033855
Specific binding of invertase of the medium by yeast [Saccharomyces cerevisiae] *cell* **surface** during the regulation of formation of the enzyme. 036912
Cell-free **synthesis** of tubulin 1 and tubulin 2 on polysomes isolated rom embryonic chick brain. 033789
Polysomes from cultured muscle cells: the *cell-free* **synthesis** of myosin [Chick embryos]. 034046
Polymorphism in fowl serum albumin. V. Protein in synthesis in *cell-free* **systems** from regenerating liver of the fowl (Gallus domesticus). 033872
Further characterization of procollagen messenger ribonucleic acid from embryonic chick **tendon** *cells.* 034201
Procollagen biosynthesis and polyribosome-membrane interactions in embryonic chick **tendon** *cells.* 034205
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] *cells* out of **testes,** liver, lung and peritoneum of rats. 034109
Some biochemical alterations in sheep pox infected lamb **testicular** *cells.* 035076
The degree of *cell-wall* **thickening** as a measure of the maturity of cotton fibres. 033272
Comparative study of Aujeszky's disease virus reproduction in *cell* and **tissue** suspensions of avian embryos [quail]. 035278
The influence of gibberellic acid and abscisic acid on *cell* and **tissue** differentiation of bean callus. 036323
Ontogeny of phloem **transfer** *cells* in Hieracium floribundum. 036293
Transitional *cell* carcinoma of the urethra in a cat. 035312
Intercellular **transport** in plants. I. The rate of transport of chloride and the electric resistance [Chara corallina, Algae]. 037041
Cellular energy dependent agglutination of rat ascites **tumor** *cells* mediated by concanavalin A and Ricinus communis agglutinin. 036809
Viability and transplantability of developed **tumour** *cell* treated in vitro with antitumour agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
Separation of *cell* **types** in synchronized cultures of Volvoxcarteri [Algae]. 036306
A collaborative study of the microtiter count method and standard plate count method for **viable** *cell* count of raw milk. 032975
The first optic ganglion of the bee [Apis mellifera]. I. Correlation between **visual** *cell* types and their terminals in the lamina and medula. 040216
Comparison of in vitro and in **vivo** *cell* cycle parameters of lymphoid cells in pig spleens. 033857
Cell **wall** structure and mechanical properties of Phycomyces[Fungi]. 036319
Structural changes of the plasmalemma during *cell* **wall** regeneration of isolated protoplasts from stem callus of Skimmiajaponica Thunb. 037207
Detection of *cell* **wall** breaking ability by cellulase of Alternaria brassicae (berk.) Sacc. [Potatoes]. 038603
Properties of polysaccharides liberated from *cell* **wall-materials** during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Localization of enzymes in the *cell* **walls** of Neurospora crassa [Fungi]. 036993
Carrageenans in the *cell* **walls** of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with fluorescent antibody [Algae]. 037152
Microfibrils in primary and secondary wall growth develop trellis configurations [**Wood** *cells].* 035716
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of induced mitotic recombination in diploid [Saccharomyces cerevisiae] **yeast** *cells.* 036515
Inactivation and mutation of **yeast** *cells* by hydrogen peroxide [Saccharomyces cerevisiae]. 036599
Genetic effects of the decay of sulfur-35 in *cells* of the **yeast** Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
Development of mitochondrial membranes in anaerobically grown **yeast** *cells* [Saccharomyces cerevisiae]. 037016
The effect of caffeine on the survival and recovery of irradiated **yeast** *cells* [Radiation, injuries]. 037250

CELLULASES

Pectinesterase, polygalacturonase, *Cx-cellulase* **activities** and softening of the rin [fruit ripening inhibitor] tomato mutant [in storage]. 033388
Detection of cell wall breaking ability by *cellulase* of **Alternaria** brassicae (berk.) Sacc. [Potatoes]. 038603
The role of zinc in the activation of the **enzyme** *cellulase* in termites [Microtermes tragardhi]. 039742
Repression of the production of Verticillium [dahliae] polygalacturonase and *cellulase* by **glucose** [Hops]. 038710
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of *cellulase,* **pectin-lyase,** and acid proteinase [Fungi]. 037253
Cellulase **secretion** by second stage larvae of the root-knot nematode (Meloidogyne javanica) [Tomatoes]. 039032
Derepression of *cellulase* **synthesis** in Trichoderma lignorum[fungi] during limited consumption of readily assimilated carbon sources. 037115
Effect of some substances on the *cellulase* **synthesis** of the thermotolerant fungus Aspergillus terreus 17P. 037215

CELLULOSE

Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the acid-catalyzed pyrolysis of *cellulose* and **1,6-anhydro-beta-d-gluco-pyranose** (levoglucosan). 035718
Formation and supramolecular structure of **bacterium** *cellulose.* 035725
Palaeotemperatures from tree rings and the D/H [deuterium/hydrogen] ratio of *cellulose* as a **biochemical** thermometer [Pinus radiata]. 035838
Axial and lateral order of regenerated cellulose fibres. Paracrystalline **condition** of *cellulose.* 035721
Electron diffraction study of *cellulose* **[Cotton].** 033170
Considerations on *cellulose* **crystallinity.** 035723
Investigations into the influence of fiber structure on heterogenous hydrolytic **degradation** of *cellulose.* 035728
Spectrophotometric study of alkylation of sodium xanthogenate of *cellulose* by **dimethylsulfate.** 035819
Degradation of *cellulose* by **gamma-ray-irradiation.** 035724
Isolation and structural characteristics of *cellulose* from **grasses.** 033261
In vitro synthesis of lipids in relation to some hematological indexes in rats. 1. **High** *cellulose,* low fat content in feed. 034528
Production of *cellulose* **microfibrils** by Rhizobium [Infection of legumes]. 037355
Economics of producing **nutrients** from *cellulose.* 032670
Comparative study on *cellulose* **reaction** and on structure modifications of amylose. 035722
Axial and lateral order of **regenerated** *cellulose* fibres. Paracrystalline condition of cellulose. 035721
Long periods in native and **regenerated** *celluloses.* 035729
Kinetics of the alkaline degradation of different types of [cotton and wood] *cellulose* on **treatment** with highly concentrated alkali solution. 035790
In homage to professor Herman Francis Mark on his 80th birth anniversary [Polymer chemists, *cellulose,* **United** States]. 035727
Cellulosic **wastes**—feed or fibre. 033536

CEMENT

Yielding and plastic flow of **sensitive** *cemented* clay. 040593
Effect of the furnace dust of *cement* **works** on some physical and technological properties of the soil. III. 040752

CENSUS

1975 **menu** *census.* 032579
1975 interim cattle and **swine** *census.* 033622
Notes on the methods of belt **transect** *census* of butterflies. 040106

CENTIPEDES

Control of **garden** *centipede* [Scutigerella immaculata] on greenhouse spray Chrysanthemums; progress report. 039332

CENTRIFUGE

Isoionic titration and isopycnic density **gradient** *centrifugation* studies of margnesium activation and subunit dissociation in yeast [Saccharomyces cerevisiae] enolase. 036785
Isolation of plasma membranes from corn roots by sucrose density **gradient** *centrifugation:* an anomalous effect of Ficoll. 037522
Horizontal **screen-conveyor** *centrifuges* on the egg production farms. 040423
Applicability of *ultracentrifugal* **technics** in food science. 032783

CENTROSPERMAE

Betalains [Cell sap pigments **confined** to *Centrospermae].* 036792

CEPHALIC

Cephalic and **thoracic** nerves of the castor silk moth Samia ricini (Lepidoptera, Saturniidae). 039606

CEPHALOSPORIUM

Purification and properties of a polyol dehydrogenase from *Cephalosporium* **chrysogenus** [Fungi]. 037014
Isolation of phytotoxic substances produced by *Cephalosporium* **gregatum** Allington & Chamberlain [Brown stem rot of azuki beans]. 038816
Comparative properties and action patterns of the hemicellulases from the phytopathogens Ceratocystis paradoxa and *Cephalosporium* **sacchari.** 038817

CEPHALOTAXUS

A biogenetic-type approach to homoerythrina alkaloids [of *Cephalotaxus* **harringtonia**]. 037060

CERAMBYCIDAE

Pests of the grapevine: The exceptional damage caused in the Piedmont region by Vesperus strepens F. **(Coleoptera,** *Cerambycidae].* 039340
Life history and ecology of Criocephalus rusticus (L.) *(Cerambycidae,* **Coleoptera).** 039870
Two new species of longicorn beetles [Xylotrechus arnoldii, Asias galusoi] (Coleoptera, *Cerambycidae)* from **Kazakhstan.** 040077

The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. *(Cerambycidae),* **xylophagous** Eucalyptus borer. 039402

CERAMIACEAE

Antithamnion plumula (Ellis) Thur. In Le Jol. (Rhodophyceae: *Ceramiaceae)* in **eastern** Canada. 036073

CERATITIS

Cytogenetic observations in *Ceratitis* **capitata.** 039737

CERATOCYSTIS

Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of *Ceratocystis* **minor**]. 039385

Comparative properties and action patterns of the hemicellulases from the **phytopathogens** *Ceratocystis* paradoxa and Cephalosporium sacchari. 038817

Rooting of cuttings from tops and stumps of American elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by *Ceratocystis* **ulmi**]. 038364

Fungicide injection for the control of Dutch elm disease *[Ceratocystis* **ulmi**]. 038618

Testing dosage rates of methoxychlor applied by helicopter for control of Dutch elm disease *[Ceratocystis* **ulmi**]. 038619

Chemical inhibition of *Ceratocystis* **ulmi** growth. 038678

Metabolite of *Ceratocystis* **ulmi** and its association with pathogenicity [Great Britain]. 038820

CERATOPOGONIDAE

Photoperiodic induction of the diapause of the egg phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. **(Diptera,** *Ceratopogonidae).* 039894

On the classification of the biting midges **(Diptera,** *Ceratopogonidae).* 040137

A mass attack by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, *Ceratopogonidae)* on **grazing** cattle in Denmark; a new aspect of sewage discharge. 039494

A midge [Dasyhelea lithotelmatica] (Diptera, *Ceratopogonidae)* **new** to Britain that is abundant in the limestone pavement of the Yorkshire Pennines. 040010

Two new western Culicoides (Diptera: *Ceratopogonidae)* which are **vectors** of filaria in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. 040003

CERCIDIPHYLLUM

Studies on the leaf-margins. 2. On the leaf-margin morphology of *Cercidiphyllum* **japonicum** Sieb et Zucc. 036327

CERCOPIDAE

Selection within sugarcane populations for resistance to the sugarcane froghopper Mahanarva posticata Stal (Homoptera, *Cercopidae)* in **Pernambuco.** 036402

CERCOSPORA

Research on a population of *Cercospora* **beticola** Sacc. Tolerant to benomyl. 038639

CR 17-1-34, *Cercospora* **[cruenta]** leaf spot resistant southernpea [Vigna unguiculata] germplasm [South Carolina]. 038634

On the identity of *Cercospora* **deightonii** Chupp [Fungi]. 036158

New hosts of *Cercosporae* from **India.** 038658

New *Cercospora* species from West Bengal (India). V. [Fungi]. 036081

Influence of weather on frogeye leaf spot *[Cercospora* **nicotianae**] incidence on cigarette tobacco. 038696

Studies of life-mode of *Cercospora* **sequoiae** Ell. Et Ev. In a warm district of Japan. V. Conidial production at different temperatures [Cryptomeria japonica]. 038737

Epidemiological observations on leaf **spot** *(Cercospora* sp.) of black gram [Mungo beans]. 038686

CERCOSPORELLA

The inheritance of resistance to **eyespot** *(Cercosporella* herpotrichoides) in wheat. 036503

Pathogenicity of *Cercosporella* **herpotrichoides** to wheat, barley, oats and rye [Eyespot disease]. 038821

CEREALS

Significance of agroecotypes of *cereals* in the **Carpathian** region for cultivation and breeding. 038097

The effect of physical conditions on the development and increase of some important storage mites *[Cereals* and **cereal** products]. 039417

Animal consumption of *cereals* in 1974-1975. 034463

Clean-up *cereal* and milk for determination of residues of organochlorine insecticides. 032080

Efficient weed **control** of *cereals.* 039118

Wheat in *cereal-sugarbeet* **crop** rotation. 038206

Manure in a *cereals-sugarbeets* **crop** rotation on deep Chernozems. 040870

Scanning electron microscopy of the endosperm of *cereal* **crops.** 3. Starch cell layer of white-core rice. 033195

Scanning electron microscopy of the endosperm of *cereal* **crops.** 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196

The translocation of assimilates produced in different ograns of *cereals* **crops** at various stages of growth and development. 037509

The control of the quality of harvesting straw and chaff [of *cereal* **crops**]. 038197

The violation of the time limit [for harvesting] leads to losses of grain [of *cereal* **crops**]. 038203

Arthropods in *cereal* **crops:** nocturnal activity, vertical distribution and aphid predation. 039290

Cereal **cyst** eelworm [Heterodera avenae, Nematodes]. 038948

The influence of increasing amounts of nitrogen on the propagation of the *cereal* **cyst** nematode, Heterodera avenae Woll. [Oats, barley, wheat, rye]. 039068

Wild oats [Avena fatua]: losses caused and advantages of controlling it before its **emergence** *[Cereals].* 039095

Selection of iron sources for *cereal* **enrichment.** 032197

The role of microscopy in nutritional **evaluation** of *cereals.* 033566

Where are our *cereals* going? **[Exports].** 031718

Cereals as **feed** [Composition, consumption]. 033498

Biochemical and nutritional evaluation of various treatments of *cereals* **[Feeds].** 033545

Nitrogen **fertilization** of *cereals.* 041079

Irradiation of cereal grains and *cereal* **grain** products [for preservation]. 033216

Changes in the composition of nitrogen fractions in the ripening **grain** of *cereals.* 037499

Wheat gluten as a pathogenic factor in schizophrenia *[Cereal* **grain-free** and milk-free diet]. 032458

Irradiation of *cereal* **grains** and cereal grain products [for preservation]. 033216

Insect injuries of *cereal* **grains** [Storage pests]. 039413

Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of coarsely **ground** *cereals* as affecting the true digestibility of amino acids [Swine]. 034320

Cereal **growing** in the Nonchernozem zone of the RSFSR [Acreage, yields]. 031767

Optimum parameters of agricultural autumn works in *cereal* **growing.** 038114

Agronomic techniques for *cereal* **growing** in Poland. 038188

Rational utilization of fertilizers [when **growing** *cereals].* 041135

Economic incentive in the **harvesting** of *cereals.* 035511

Conbine **harvesting** of *cereals.* 040449

Chemical composition of *cereal* **haulm** and its significance in resistance to lodging. 037534

Influence of the modification of economical regulations on the *cereal* **industry.** 033228

Electron microscopy of some grasses and *cereals* **infected** with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. 038919

Effect of harvesting stage on *cereal* and **legume** forage production in low rainfall regions. 038047

Stimulation of the quality [of grain of *cereals,* **legumes** and buckwheat, through state procurement prices]. 031511

Cassava as a total substitute for *cereals* in **livestock** and poultry rations. 033517

The preparation of the cutter bar of reapers for harvesting **lodged** *cereals.* 040549

The effect of straight and complex fertilizers on the yield of some **major** *cereals* in the northwest frontier province [Pakistan]. 040857

Relative amylase activity of some **malted** *cereal* grains. 033269

Infrared and Raman spectra [for identifying organic compounds] of **maltooligosaccharides** [in *cereals].* 033204

Man-molded *cereal*—hybrid corn's story [Breeding]. 036714

X-ray contrast method for seed viability determination of *cereals* and **millets.** 037565

Effect of *cereal* **mixtures** with various moisture content on the indicator of a humidifier ¡040460

The biology of *cereal-cyst* **nematode,** Heterodera avenae in India. I. Effect of moisture and temperature on the survival of cyst contents. 039004

The residues of 2,4-dichlorophenoxyacetic acid and its mixtures in *cereal* **plants.** 039151

Self help with help of the producer cooperative *[Cereal* **production].** 031358

Present situation of *cereal* **production** [Prices, statistics, wheat, maize]. 031536

Some problems of *cereal* **production** in Kazakhstan. 031938

Bread and other *cereal* **products** in modern human nutrition. 032246

Mineral supply by bread and *cereal* **products.** 032248

The effect of physical conditions on the development and increase of some important storage mites [Cereals and *cereal* **products**]. 039417

Cereal **proteins:** chemistry and food applications. 033214

Moisture use efficiency of dryland crops as influenced by fertiliser use. II. **Rabi** *cereals.* 040884

The balance of nutrients [in soils] under *cereals* in the **Rostov** province. 040562

Treatment of *cereal* **seeds** and stands with chlorocholine chloride. 038039

Biochemical properties and ultrastructure of protein bodies isolated from **selected** *cereals.* 033200

Lipids of **seven** *cereal* grains. 033256

Effects of type and variety and stage of maturity on feeding values of *cereal* **silages** for lambs. 034412

A study of toxic effect of the strains of Aspergillus flavus fungi metabolites, isolted from **Soviet-grown** *cereals.* 032146

The most important dicotyledonous weed species in winter and **spring** *cereal,* their regional distribution and their dependence on soil types. 039195

Storage of *cereals.* 033145

A qualitative of free amino acids in the developmental stages of Sitotroga cerealella Oliv. and Cadra cautella (Wlk) [Pests of **stored** *cereals].* 039424

Cereal **straw** production and utilization in England and Wales [Statistics]. 033286

Physiological effects of "ballast **substances**" of *cereals.* 032249

Post-harvest **technology** of *cereals.* 033239

Cereal **varieties** for 1976. 037950

Rapid seed multiplication of new **varieties** of *cereals.* 038116

Cereal **varieties** of Upper Austria—Salzburg (local varieties). 038176

Activation of trypsinogen in the normal and coeliac intestine [damaged by the gliadin fraction of **wheat** and other *cereals].* 032462

Nitrogen fertilisation of **winter** *cereals.* 040914

World *cereal* supplies and trade and usage for animal feeds. 031647

Cereals in the **world.** II. A difficult standardization. 031904

The duration of field operations and the **yield** of *cereals.* 038198

CEREBELLUM *see* **BRAIN**

CEREBROSPINAL

Ventilatory acclimatization and csf *[cerebrospinal* **fluid]** acid-base balance in carotid chemodenervated dogs at 3550 m. 034136

Naturally **occurring** *cerebrospinal* parelaphostronglyosis [Parelaphostrongylus tennuis, goats]. 035051

CEREUS

Heat resistance of ileal loop reactive **Bacillus** *cereus* strains isolated from commercially canned food. 031949

Market milk products, infected by **Bacillus** *cereus* in the dairy [Contamination]. 032122

CERIUM

144Ce *[cerium* **isotope]** in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413

CERTIFICATION

Standardization and *certification* in **food** service sanitation. 032126

Take a closer look: now there are two quality levels of *certified* **seed.** 032801

Report of acres applied for *certification* in 1975 by **seed** certification agencies. 038103

The food service industry **training-** *certification* program [Regulation]. 032127

CERULOPLASMIN

Genetic polymorphims of amylase and *ceruloplasmin* in **two** breeds of hogs raised in the southern UkrSSR. 034602

CERVIX

Regulation of pineal rhythms in chickens: effects of blinding, constant light, constant dark and **superior** *cervical* ganglionectomy. 033887

Effects of divalent cations and of catecholamines on the late response of the **superior** *cervical* ganglion [Dogs]. 034073

Osteochondromatosis of the *cervical* **vertebrae** in a dog. 035344

CESIUM

Prognosis of *cesium* 137 **[isotope]** migration in soils [Radioactive contamination]. 040739

Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and *cesium* **isotopes**] on the economic qualities of alfalfa. 038138

CETACEA

Chlorinated **hydrocarbons** in *cetaceans.* 039574

CETRARIA

Nuclear nagnetic resonance of lichenin [Musci, *Cetraria* **islandica].** 037295

CHAETOMIUM

The effect of polyethylenimine on some fungi [Aspergillus, *Chaetomium,* **Paecilomyces,** Penicillium]. 037328

CHAFER

Control of Japanese beetle [Popillia japonica] and **European** *chafer* grub [Amphimallon majalis in turf] with Dursban insecticide. 039276

CHAFF

The control of the quality of harvesting straw and *chaff* [of **cereal** crops]. 038197

CHAGAS

Occurrence of lipoprotein lipase in the fat-body of Triatomamaculata [Vector of *Chagas'* **disease**]. 039452

CHAINS

Fat metabolism in higher plants: production of short- and *medium-chain* **acyl-acyl** carrier protein by spinach stroma preparations treated with cerulenin. 037653

Organ and interacellular localization of *short-chain* **acyl-CoA** synthetases in rat and guinea-pig. 033808
The future of the **cold** *chain* system from the viewpoint of supply-demand relations of world food. 031559
Role of **cooling** *chain* in food trade. 031626
Self-cleaning of drinking vessels by **feed** *chains* rotating horizontally. 040328
Presence and distribution of polychlorinated biphenyls (PCB) in arctic and subarctic marine **food** *chains.* 039576
The technical care of **machine** *chains* operated in the season. 040442
Random formation of **measuring** *chains* in the construction of agricultural engineering plants. 040327
Surface distribution of the fatty acid side *chains* of **phosphatidylethanolamine** in mixed phospholipid vesicles [Hen egg yolk]. 033813
Peptic peptides from the beta **polypeptide** *chain* of AII component of chicken hemoglobin. 034031
Tryptic peptides from the beta **polypeptide** *chain* of AII component of chicken hemoglobin. 034033
Increasing the working life of **roller** *chains.* 040426

CHAINSAW

The noise of *chainsaw.* III. **Calculating** method of the protection provided by the hearing protector and the noise control criterion. 035706
Vibration of *chainsaw* in **timber** cross cutting. III. 035707
Vibration of *chainsaw* in **timber** cross cutting. IV. Protection provided by the vibration multi-isolating equipment. 035708

CHALCIDIDAE

Chalcid **wasps** from [cabbage] butterfly [Pieris brassicae] pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. 039347

CHALCIDOIDEA

Pseudencyrtoides cupressi Gordh et Trjapitzin, gen. et sp. n., a new genus and a new species of encyrtids (Hymenoptera, *Chalcidoidea,* **Encyrtidae**) from North America. 040056
Influence of adaptational reactions of Encyrtus infidus Rossi (Hymenoptera, *Chalcidoidea)* on its **host** Eulecanium caraganae. 039969
Descriptions of some new and new records of some **known** *Chalcidoidea* (Hymenoptera) from India [New taxa]. 040115
Morphological and biological adaptations of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, *Chalcidoidea)* to the **seasonal** cycle of the host Eulecanium caraganae Borchs. 039715

CHALCODERMUS

CR 17-1-13, CR 18-13-1, CR22-2-21, cowpea curculio *[Chalcodermus* **aeneus**] resistant southernpea [Vigna unguiculata] germplasm [from South Carolina]. 039336

CHAMAECYPARIS

New pesticides as a means to improve the productiviness of ornamental conifers [Pratylenchus penetrans, *Chamaecyparis* **lawsoniana** columnaris, namatodes]. 039034

CHAMBERS

On the use of **assimilation** *chambers* to evaluate photosynthesis under field conditions. 037265
The method for estimating the CO2 [carbon dioxide] gradient in an **assimilation** *chamber* [Pinus thunbergii, photosynthesis]. 037925
A CO [carbon dioxide]2 monitoring and control system for plant **growth** *chambers.* 037143
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and cold **growth** *chambers.* 037200
Judging udder shape with the help of a stereo **measuring** *chamber.* 033773
Potato leaf and tuber water potential measurements with a **pressure** *chamber.* 037628
News from the Educational and Experimental Institute for Mushroom Culture of the **Rhineland** *Chamber* of Agriculture. 038283
Milking without pulsation by means of a jacketed airflow system in *single-chamber* **teat** cups (PME [pulsation-free milking] system). 040456

CHAMPAGNE

The increase of the stability of the **Soviet** *champagne.* 033481

CHANNELS

Dieldrin in the diet of *channel* **catfish** (Ictalurus pnctatus): uptake and effect on growth. 039575
Channel **changes** produced by the 1973 flood on the lower Mississippi River. 041367
Characteristics of stable natural [stream] channels and their relation to *channel* **design.** 041369
Sediment storage in *channels* **draining** small forested watersheds in the mountains of central Idaho. 035500
Coleoptera from Les **Ecrehous** *(Channel* Islands). 040016
Channel **improvements** of the Missouri River [Drainage]. 041368
Tomato cultivation on the *Channel* **Island** of Guernsey. 038518
Pneumatic level and **open** *channel* flow [natural water] measuring systems. 041315
Photogrammetric survey of [waterfree] *channel* **reds** in experimental hydraulic engineering at the University of Karlsruhe. 041314
Characteristics of stable natural [stream] *channels* and their **relation** to channel design. 041369
The induction of **transport** *channels* by auxin [Kidney beans]. 037818

CHAPARRAL

Nutrients lost in debris and runoff water from a **burned** *chaparral* watershed. 041377
Chaparral **shrub** control as influenced by grazing, herbicides and fire. 038003
Range management in the *chaparral* **type** and its ecological basis: the status of our knowledge. 038174

CHARA

Intercellular transport in plants. I. The rate of transport of chloride and the electric resistance *[Chara* **corallina,** Algae]. 037041

CHARACEAE

Gyrogonites of the **family** *Characeae* [algae] with anomalous quantity of spirals. 036001

CHARCOAL

The role of peroxidase and polyphenoloxidase systems in relation to *charcoal* **rot** disease of soybean incited by Macrophomina phaseolina. 038666
The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, *charcoal* **rot**]. 038774

CHAROPHYTA

A note concerning calcium carbonate deposits in *charophytes* **[Algae].** 037151
Characterization of the respiratory metabolism of the *charophyte* **Nitella** acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153

CHEDDAR *see* CHEESES

CHEESES

New **automatic** *cheese* store in Olterterp in Friesland. 031704
Milk and *cheeses:* a **basic** sector of Italian agriculture [Research programs]. 032938
New ways in large **block** *cheese* manufacture. 033004
Determination of nitrate in milk and *cheese* by **cadmium** reduction. 032091
Camembert *cheese:* certain aspects of manufacture. 033026
Studies on hydrogen sulphide in **Cheddar** *cheese* at differentstages of its manufacture and ripening. 032971
Lactobacilli and gas formation of film wrapped **Cheddar** *cheese.* 033029
Studies on hydrogen sulphide in *Cheddar* **cheese** at differentstages of its manufacture and ripening. 032971
Camembert **cheese:** certain aspects of manufacture. 033026
The bacteriological composition of some commercial starters used for *Gouda* **cheese** manufacturing [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. 033030
Use of rennin and pepsin in a 50:50 mixture and of bovine liquid rennet in the "caciotta" technology *[Cheese* making]. 032944
Using **cottage** *cheese* whey fractions or their derivatives in ice cream. 032962
Making **Cottage** *cheese* at home. 032964
Quality control significance of special media for enumeration of microbial groups in **cottage-type** *cheese.* 032096
Methods of predeterminating the output in *cheese* and **dairy** products. 031727
Development of *cheese-flavored* **dairy** spreads with controlled fat content. 032961
Incidence of Clostridia as gas forming agent in **Domiati** *cheese.* 031943
Domiati *cheese* from pasteurized milk. I. Curd formation. 032934
Domiati *cheese* stored at room temperature as affected by heat treatment of milk and different salting levels. 032935
Development in the **Dutch** *cheese* industry. 033002
The bacteriological composition of some commercial starters used for **Gouda** *cheese* manufacturing [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. 033030
The cooling of milk destined for the making of **Grana** *cheese.* Distribution of microflora and technical controls. 032990
Study on lactobacteria in **Kashkaval** *cheese* prepared from ewe's milk [Lactobacillus]. 033035
A study on the effect of salting method on different properties of **Kaskaval** *cheese.* I. The dry salting method. 032929
A study on the effect of salting method on different properties of **Kaskaval** *cheese.* II. The brining method. 032930
Ability of the species of Geotrichum candidum to produce proteolytic enzymes. Additional note *[Cheese* **manufacture**]. 032983
Cheese **manufacture** with the DDS reversal osmosis system. 033000
Cheese **manufacture.** 033027
Amino acid content of Domiati ripened **market** *cheese.* 032931
Identification of cow's milk in sheep's milk and sheep's **milk** *cheeses* [Adulteration]. 032107
Development of microbial flora of "Caciotta" ewe's **milk** *cheese* during ripening. 032943
Microbiology of Israeli **pickled** *cheese.* 032978
Autolytic properties of some lactic acid bacteria used in *cheese* **production.** II. Experiments with fluid substrates and cheese. 032993
Chemical studies on Kaskaval and **Ras** *cheese.* 032933
The manufacture of Mozzarella and **related** *cheese* by ultrafiltration. 032957
Butter and *cheese:* **sales** changes associated with three levels of promotion [Marketing]. 031525
Effect of standardization of buffalo milk fat of **soft** *cheese* yield and properties. 032936
Continuous **soft** *cheese* manufacture. 033001
Whey produced during *cheddaring* as a **source** of effluent. 033017
The use of concentrated single **strain** *cheese* starters in Scotland. 032982
Autolytic properties of some lactic acid bacteria used in cheese production. II. Experiments with fluid **substrates** and *cheese.* 032993
Chemical composition of whey produced from different **types** of *cheese.* 032932
Production of a crystal clear, bland tasting protein solution from *cheese* **whey.** 032956
Lactobacilli and gas formation of film **wrapped** *Cheddar* cheese. 033029

CHELATES

Influence of ionic strength, pH [hydrogen-ion concentration], and *chelation* of **divalent** metals on isolation of polyribosomes from tobacco leaves. 037521
Fixation of iron and zinc applied as *chelates* into a **soil** column during leaching. 040762

CHELIDONIUM

The greater celandine *[Chelidonium* **majus,** drug plants]. 038551

CHEMICALIZATION

On some economic results of *chemicalization* of **agriculture** in the Ukraine. 031928

CHEMISTRY

Effect of *chemical* **agents** on the learning behavior of the grass hopper, (Poecilocera picta. Linn. 039801
Agricultural *chemicals,* insecticides. 039220
Aerial application of **agricultural** *chemicals.* 039522
Chemical **alteration** of carotene biosynthesis in Phycomyces blakesleeanus [Fungi] and mutants. 036775
Methods of *chemical* **analysis** of green tea. 032874
A *chemical* **analysis** of sugar and pollen in some types of Danish honey. 032916
On reliability of [soil] *chemical* **analysis** data of water extracts. 040735
Analytical *chemistry* in the service of environmental protection. 041666
Automated *chemical* analysis for water quality measurement [Pollution control]. 041566
Chemical and **bacterial** cycling of heavy metals in the estuarine system [Water pollution]. 041468
Glycine canescens F. J. Herm., a wild relative of the soybean [Morphological, cytological, and **certain** *chemical* characteristics]. 036301
Efficacy of **certain** *chemical* and biological compounds for control of odor from anaerobic liquid swine manure. 041603
Floristic and *chemical* **changes** in forage plants after using manure and fertilizers. 037598
Effect of submergence on the physico-chemical and *chemical* **changes** in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
Genetic and *chemical* **characteristics** of Meadow Gley soils in the rice fields of Primor'ye. 040825
Physical and *chemical* **characteristics** of sediments originating from Missouri valley loess. 041180
Isolation and *physico-chemical* **characterization** of bovine serum and colostral immunoglobulin G (IgG) subclasses. 033924
Glyceraldehyde-3-phosphate dehydrogenases from Euglena gracilis [Algae]. Purification and physical and *chemical* **characterization.** 036784
Spectral and *chemical* **characterization** of fungal [Sporormiaaffinis] metabolite LL-N313zeta. 037066
Effect of submergence on the *physico-chemical* and **chemical** changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
Veronese wines: reflections on the *chemical* and **chemico-physical** properties of Recioto wine from Valpolicella. 033335
Insect **communication**—*chemical.* 039781
Chemical **components** and taste of green tea. 032873
Relationship between the volume of the beef carcass and the weight of its anatomical and *chemical* **components.** 033040
Changes of longitudinal growth and *chemical* **components** in pine (Pinus densiflora) leaves on sandy soils resulting from fertilization. 037920
The effect of boron on the yield and *chemical* **composion** of tobacco vegetative matter. 038095
Chemical **composition** of whey produced from different types of cheese. 032932
Studies on the *chemical* **composition** of market samples of shrikhand [Fermented milk product]. 032973
Differences in the *chemical* **composition** of meat and its biological value in the hybrids Hybro B, Ross and Hubbard [Poultry]. 033136

Non protein and non-lipid components of oilseeds: *chemical* **composition,** properties, characterization. 033295
Evaluation of high-moisture forrages with ruminants. II. Changes in the *chemical* **composition** of herbage after freezing and thawing. 033561
Chemical **composition** and in vitro dry matter digestibility of some important grasses. 034279
Presence of carotenes and *chemical* **composition** determined and considered in some forage plants of Umbria [Nutritive value of feeds]. 034286
Chemical **composition** and feeding value of mallow (Malva verticillata L.) (first results) [Sheep]. 034287
Changes in *chemical* **composition** of wood relative to high-temperature drying. 035804
Variability in the *chemical* **composition** of grasses and its correlations with nutritive value index. 037459
Content and *chemical* **composition** of saponins in three local varieties of hybrid alfalfa (Medicago media Pers.). 037500
Chemical **composition** of cereal haulm and its significance in resistance to lodging. 037534
On the *chemical* **composition** of monogerm sugarbeet seeds. 037606
Influence of spray fertilization combined with various herbicides on the *chemical* **composition** and technological features of wheat. 039091
The influence of potassium nutrition on the yield and *chemical* **composition** of some tropical root and tuber crops [Fertilizers]. 040975
Variation in *chemical* **composition** of the River Frome, England, from 1965 to 1972. 041248
Mutagenic activity of *chemical* **compounds** of the diazoketone class with respect to corn. 036464
The effect of some *chemical* **compounds** on germination of uredospores of Puccinia dispersa Erikss. et Henn. [Rust, rye]. 038732
Research **concerning** *chemical* control of storage rot in potatoes [Fungus diseases]. 038743
Chemical **constituents** of the seeds and bark of Syzygium cumini. 037191
Varietal variations in the physical characteristics and *chemical* **constituents** of the fruits of tomato (Lycopersicon esculentum Mill). 037747
Seedling [fungus] diseases of sugarbeet and their *chemical* **control.** 038716
Problems of the *chemical* **control** of damping-off of seedlings in nurseries of the State Forests. 038815
Chemical **control** of the tomato spotted wild virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937
Chemical **control** of the sugarbeet cyst nematode [Heteroderaschachtii] in Imperial Valley. 038965
Biological and *chemical* **control** [of horticultural plant pests]. 039071
Chemical **control** of winter weeds in areas for cotton. 039128
Chemical **control** of weeds of fiber crops with linuron in France. 039157
Chemical **control** and the overcoming of resistance to pesticides in harmful arthropods. 039244
Potato aphids *[Chemical* **control].** 039309
Chemical **control** of the potato tuber worm, Gnorimoschema operculella Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350
When to spray cauliflower [Pest **control,** *chemical].* 039359
The *chemical* **control** of mites infesting Freesia corms and Narcissus bulbs [During storage]. 039416
Cork *chemistry.* XXIII. Investigations on triterpenoids. 035784
Previous experience with the *chemical* **defoliation** of vines to facilitate grape harvesting. 038411
Rational soil **disinfection** with *chemicals.* 038985
The *chemistry* on **diterpenoids** in 1973 [Plants]. 036850
Studies on the denaturation of fish muscle proteins. I. *Physico-chemical* and **electron** microscopical studies of freezedenatured carp actomyosin. 032767
Forest industries and *chemical* **engineers.** 035854
Organoleptic and *chemical* **evaluation** of flavour changes during storage of ghee prepared from fresh and ripened desi butters. 032966
Experimental inquiry into the action of some physical and *chemical* **factors** on the survival and propagation of vibrio parahaemolyticus in food products. 032149
Chemical **factors** affecting groundwood brightness. 035852
Biological, *chemical,* and other **factors** influencing strategies for selective weed control. 039132
Chemical **factors** influencing metal alkylation in water [Pollution]. 041469
Chemicals for **farming** essential to intensifying agricultural production. 031036
Influence of the *chemical* **fertility** of the soil and the ash content of durum wheat grown in northern Italy. 037351
Chemical **fertilizers** in the European Economic Community [Italy]. 040861
Development of production, foreign trade and consumption of *chemical* **fertilizers.** Situation in the world, the European Economic Community and Belgium. 041071
The novel **flavonoid** *chemistry* and phylogenetic origin of Phlox floridana [Genetics]. 036489
Chemical **fly** [Musca domestica] control in Ohio dairy barns. 039495
Isolation and fractionation of water-soluble polysaccharides from bamboo [Phyllostachys edulis] shoot **[Food** *chemistry].* 032710
The structures of water-soluble polysaccharides isolated from bamboo [Phyllostachys edulis] shoot **[Food** *chemistry].* 032712
High pressure liquid chromatography in **food** *chemistry.* 032921
Occurrence and properties of phospholipase D—a review **[Food** *chemistry].* 032923
Cereal proteins: *chemistry* and **food** applications. 033214
Gas chromatographic-mass spectrometric identification of phenylurea herbicides after N-methylation **[food** *chemistry].* 039138
Chemical **forms** of calcium in relation to the growth of young plants of maize. 037533
Renewable resources [wood] for the production of **fuels** and *chemicals.* 035861
Further investigations on the *chemistry* of **fungal** "humic acids". 040799
Essential oils. XVII. Oil of Pogostemon formosanus Oliv. II. Isolation and *chemistry* of **germacrone** [from Geranium macrorrhizum]. 037027
Chemical **induction** of chromosome aberrations in somatic cells of Drosophila melanogaster. 039878
Chemical **inhibition** of Ceratocystis ulmi growth. 038678
Insect *chemistry.* III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the African monarch butterfly [Danaus chrysippus]. 039935
Chemical **investigation** of the seeds of Daucus carota Nantes [Carrots]. 037748
Safety of **light-activited** *chemical* substances in foods, drugs, and cosmetics. 031993
Chemical and **mechanical** scrub control methods. 039145
The *chemical* **method** as a component of integrated plant protection. 039010
Chemical and **microbial** changes in dehulled confectionery sunflower kernels during storage under controlled conditions. 033271
Correlation of organoleptic [quality] evaluation with *chemical* and **microbiological** tests in oysters. 032018
Translocation of iron in acid sulfate soils. I. Soil morphology, and the *chemistry* and **mineralogy** of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Effect of *chemical* **modifications** on the ultrastructure of corn, waxy maize, and tapioca starches. 033203
Carboxypeptidase inhibitor from potatoes. The effects of *chemical* **modifications** on inhibitory activity. 037646
Researches in the field of seaweeds [Cystoseira barbata] *chemistry.* IV. **Molecular** structure of alginic acid [Algae]. 036863
Chemical **mutagenesis** in soybean (Glycine max (L.) Merrill) using ethyl methanesulphonate and hydroxylamine hydrochloride. 036596
Development of new lupine forms with the help of *chemical* **mutagens.** 036642
Some problems of *chemistry* of **natural** and artificial radionuclides in soils and their accumulation by crops [Radioactive contamination]. 040744
Effect of the *chemical* **nature** of the carbon source on the biomass composition [Candida tropicalis, Candida utilis, Trichosporon cutaneum, yeasts]. 037217
Chemical **nature** of disease resistance and susceptibility in leaf blight of wheat caused by Alternaria triticina. 038648
Chemical **nature** of sedimentary humic acids. 040622
The *chemical* **nature** of humic acids. 040635
Chemistry of **oats:** protein foods and other industrial products. 033215
Potentially persistent industrial **organic** *chemicals* other than PCB [polychlorinated biphenyl]. 041516
A review on the *chemical* and **pharmacological** aspects of genus Berberis. 037188
Diseases caused by *chemical* and **physical** agents [Cats]. 035414
Comparative study of the effect of *chemical* and **physical** factors on variability of almond. 037716
Chemical and **physical** properties of tumor-affected sitka spruce [Picea sitchensis]. 037940
Preparation of protein isolates and concentrates by **physico** *chemical* methods. Industrial procedures applied to soybean. 033296
Recent advances in the *chemistry* and **physics** of milk and milk products for standardisation of processing and manufacture. 032999
Modification of soapberry (Sapindus drummondi) through *chemicals* **[Plant** regulators]. 037833
Improving thermal and electrical conductivity of cotton fabrics by *chemical* **plating.** 033174
Effects of *chemical* **pretreatments** on Ludwigia alternifolia L. ovules prior to immersion in Herr's clearing fluid. 037244
Physico-chemical **properties** of natural and paraffin-adulterated bee's wax. 032925
Some *physico-chemical* **properties** of dysentery therapeutic—prophylactic Newcastle phages H-17 and H-18. 035283
The vegetation and *chemical* **properties** of patterned fens in the Swan Hills, north central Alberta. 036186
[Mutagenic] effect of DNA from different sources and of different *physico-chemical* **properties** on hystidine-deficient strain of Candida tropicalis D-2 his- [Yeasts]. 036529
The structure, physical and *chemical* **properties** of the soybean protein glycinin. 037365
Sex pheromone of rice stem borer [Chilo suppressalis]; purification and *chemical* **properties.** 039251
Some toxic, physical and *chemical* **properties** of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. 039496
An introductory review on humic substances aspects of research on their genesis, their physical and *chemical* **properties** , and their effect on organisms. 040619
Chemical **properties** of soils. 040690
Clay mineralogy, physical, and *chemical* **properties** of some soils in arid regions of Iran. 040759
Loess in Ohio in relation to several possible source areas: I. Physical and *chemical* **properties.** 040764
Thick Bh [humate] horizons in the North Carolina Coastal Plain. II. Physical and *chemical* **properties** and rates of organic additions from surface sources. 040780
The influence of nutrition on the *chemical* **properties** of some tropical plantation crop products [Hevea, oilpalm, cocoa, fertilization]. 040974
Plant **protection** *chemicals* and plant regulators [Research projects, Italy]. 039012
Microbial degradation of plant **protection** *chemicals* [Pesticides, herbicides, fungicides]. 039549
Proximate *chemical* composition of agricultural fibrous materials [Abaca, sugarcane, coconuts, and bananas]. 032819
Pulp for hemp paper: mechanical pulp and *mechano-chemical* **pulp** [Analysis, properties]. 033197
Chemical **quality** of market ice cream. 032079
Foam sprays of plant growth **regulating** *chemicals* on rose shoot development at cutback. 037733
Chemical **regulation** of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. 037775
Plant-induced **soil** *chemical* patterns in some shrub-dominated semi-desert ecosystems of Utah. 036222
Gas chromatographic analysis in **soil** *chemistry.* 040595
Liquid chromatographic analysis in **soil** *chemistry.* 040596
Paper chromatographic analysis in **soil** *chemistry.* 040597
Thin-layer chromatographic analysis in **soil** *chemistry.* 040598
Soil *chemistry* and accumulation by roots of artificial radionuclides in crop yields [Radioactive contamination]. 040743
Chemical, **spectroscopic,** and thermal methods for the classification and characterization of humic substances. 040623
Revegetating bituminous strip-mine spoils with municipal wasstewater. II. Quality of the leachate and **spoil** *chemical* changes. 040899
Getting laughed at. They didn't believe [Dr. Axel L.] Melander when he reported insect resistance to *chemical* **spray.** 039199
Tobacco sucker control in New Zealand using **spray-applied** *chemical* control agents. 037488
Chemical **studies** on Kaskaval and Ras cheese. 032933
Chemical **study** of Platitenia absinthifolia. 036875
Experimental testing of *chemical* **substances** for their action on liver fluke [Fasciola]. 035154
Effect of foliar application of *chemicals* on the **survival** of plant pathogens in the rhizosphere of two crop plants [Sorghum, Crotalaria juncea]. 038683
The diterpenoid [Delphinium] alkaloids: *chemistry* and **synthesis.** 036748
Antiviral activity of isoquinolines carbazoles and other miscellaeous **synthetic** *chemicals* in mice. 035077
Chemistry of **tobacco** constituents: oxidation of alpha-ionone and the acid-catalyzed rearrangement of 5-keto-alpha-ionone. 033251
Measurement of the **total** *chemical* composition of the horizons as an aid in the study of pedogenesis. II. 040561
Chemical **treatment** and inoculation of hardwood stumps for control of Armillaria mellea. 038565
Effect of *chemical* **treatment** of stumps from improvement cutting areas on the population and destruction by root rot. 038745
Chemistry and **vegetation** of highly acidic streams. 041247
Gas chromatographic analysis in **waste** *chemistry* [Contaminants]. 041527
Liquid chromatographic analysis in **waste** *chemistry.* 041531
Paper chromatographic analysis in **waste** *chemistry.* 041534
Thin-layer chromatographic analysis in **waste** *chemistry.* 041537
Some aspects of the influence of Derno-Podzolic soils on the **water** *chemical* composition of Mozhaisk water storage. 040846
Contributions to *chemical* **weed** control in winter wheat. 039089
Chemical **weed** control—effective and economical. 039127
Studies on *chemical* **weed** control in groundnut (Arachis hypogaea L.). 039144
Guide to *chemical* **weed** control. 039168
Chemical **weed** control in peach orchard. 039185
Chemical **weed** control in coffee chicory and endive. 039186
Chemistry of **wine.** 033470

CHEMISTS

In homage to professor Herman Francis Mark on his 80th birth anniversary **[Polymer** *chemists,* cellulose, United States]. 035727

CHEMORECEPTOR
Effect of baroreceptor activity on ventilatory response to *chemoreceptor* **stimulation** [Dogs]. 034010
Integration of *chemoreceptor* **stimuli** by rostral brainstem respiratory areas [Cats]. 034016

CHEMOSTERILANTS
Chemosterilization of **screwworms** [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of age at time of treatment on sterility and longevity. 039475

CHEMOTAXIS
Chemotactic **effects** of some staphylococcal substances [Cattle, rabbits]. 035290

CHEMOTHERAPY
Chemotherapy of **swine** dysentery. 035231

CHEMURGY
Chemurgy of **sapotaceous** plants: Madhuca species of India. 032782

CHENOPODIUM
Effects of indol-3yl acetic acid on floral induction and apical differentiation in *Chenopodium* **rubrum** L. 036762
Multiple circadian rhythms regulate photoperiodic flowering responses in *Chenopodium* **rubrum.** 037673

CHERIMOLIA
Effects of mechanical scarification, seed position and gibberellic acid on germination in Cherimoya (**Annona** *cherimolia* Mill). 037835

CHERNOZEM
Nature of indole-oxidizing **agents** in *Chernozem.* 040832
Effect of iron, manganese, zinc and other nutrients on maize plants in pot experiments with **calcareous** *Chernozem.* 037532
Manure in a cereals-sugarbeets crop rotation on **deep** *Chernozems.* 040870
Evolution of *Chernozems* under the **effect** of human activity. 040823
Peculiarities of the absorption of nutrients from fertilizers by *Chernozem* and **Gray** Podzolic soils of the forest-steppe of the Ukrainian SSR. 040871
Effect of salinity and solonetzicity on the composition of humus and some properties of humic acids in **Kazakhstan** *Chernozems.* 040822
On the optimum density of **leached** *Chernozem-Smolnitza* for maize and wheat. 040749
The effect of regular annual dressing on phosphates in strongly **leached** *Chernozem.* I. Changes in the supply and forms of active inorganic phosphates. 041035
New formations of carbonates in *Chernozems* of the **left-bank Ukraine.** 040732
The effectiveness of applying inorganic fertilizers under winter wheat on **ordinary** *Chernozem* of various texture. 040876
The estimation of the provision of *Chernozems* with **potassium** and the methodology of its determination. 040564
Investigations into the effect of large fertilizer dressings on *Chernozem* **soil** in a model experiment. 040854
Parameters for winter wheat growing on *Chernozem* **soil.** III. Correlations between method of fertilization and physical state of soil. 041022
Effect of **southern** *Chernozem-Solonetz* characteristics on small grain crop yields. 040723
Agrochemical characteristics and water-physical properties of **Tatar** *Chernozems* on limestone. 040810
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of **thick** *Chernozem* in the western forest steppe of the Ukraine. 040814
Mineralogy of clay fractions in **typical** *Chernozems* of Ukrainian forest steppe. 040731
Cereal growing in the *Nonchernozem* **zone** of the RSFSR [Acreage, yields]. 031767
The reserves of reducing the production cost of reclamation work in the *Nonchernozem* **zone** [Drainage]. 041276

CHERRIES
Resistance of hybrid seedlings of *cherry* to **coccomycosis** [Coccomyces hiemalis]. 038809
Cherry **harvesting** in the Jerte Valley. 038238
Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, *Cherry* **Hill,** New Jersey, October 20-22, 1974. 033182
Cherry **leaf** roll virus causing a disease of Betula spp. In the United Kingdom. 038901
Effect of mechanized tree pruning on yield of **mazzard** *cherries.* 038469
Mazzard *cherries* in various soils of the foothills of Dagestan. 038471
On newly bred varieties of **mazzard** *cherries* in the southern Ukraine. 038474
Oil characteristics of sweet and **sour** *cherry* kernels. 033423
Nitrogen nutrition for fruit trees. II. **Sour** *cherry* (Prunus cerasus). 041108
Control in internal browning of 'Schmidt' **sweet** *cherries* [due to bruising during mechanical harvest} by handling in water. 033385
Storage properties of **sweet** *cherries* in dependance of the cooling period. 033434
Bibliography of the international literature on **sweet** *cherries.* 2. 038244
Using ethephon for easier mechanical harvest of **sweet** *cherries.* 038325
Vladimir, a promising dwarfing rootstock for **sweet** *cherry.* 038367
Variety verifications of **sweet** *cherries.* 038409
Bursting of **sweet** *cherries.* 038986

CHESTNUTS
Soil cultivation under irrigation on **Baragan** *Chestnut* Chernozen. 041195
Treatment of woods in the *chestnut* **[Castanea]** region of thecanton of Ticino. 035659
Studies on *chestnut* **[Castanea]** insects in Ticino (Switzerland) [Pest control]. 039346
Free amino acids in **dark** *Chestnut* soils of northern Kazakhstn. 040726
Accumulation and mineralization of crop residues in **dark** *Chestnut* soil. 040809
Microbiological characteristics of the **eroded** *Chestnut* soils of Buryatia. 041207
Effect of erosion processes on organic substances of *Chestnut* **soils** in submontane zone of the Great Caucasus within Azerbaijan SSR. 041186
Cold water soaking process for the **storage** of *chestnuts.* 033427
Characteristics of some Solonetz complexes in the *Dark-Chestnut* **subzone** of Kustanay oblast. 040815
Demonstration of virus-like particles in **sweet** *chestnut* [Castanea savits] and oak [Quercus cerris] with leaf deformations in Hungary. 038945

CHEWING
Results of studies investigating the *chewing* and **ruminating** activity of cows fed rations of differently processed straw or straw treated with liquid sodium hydroxide. 034313

CHEYLETIDAE
An analysis of feeding in *Cheyletus* **eruditus** a predator of storage mites [Acarus, biological control]. 039415

CHIASMA
Chiasma **frequency** and adaptability in locusts. 039729

CHICKENS
Effect of ceca removal on water **absorption** in *chickens.* 034092
Cysteine sulfinate carboxylase in the visual pathway of **adult** *chicken.* 034100
Induction of ovulation in *hens* by an **analogue** of LH-RH [luteinizing hormone, releasing hormone]. 034685
Vaccination against Marek's disease in *chicken* **[Avian** lymphomatosis]. 034978
Arthro-tenosynovitis of non-viral etiology in the *chicken* **[Bacteria].** 035042
Steroid effects on gut function in **birds** *[Hens].* 034206
An outbreak of viral arthritis in broiler **breeders** *[Chickens].* 035041
Studies on the estimation of the hygienic condition of frozen **broiler** *chickens* [Escherichia coli, Enterobacteriaceae]. 032088
Age dynamics of the composition of phosphorous compounds in organs and tissues of **broiler** *chickens.* 034179
Broiler *chicken* compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at normal protein level. 034533
Effect of enzyme preparation addition to mixtures for early weaned piglets and **broiler** *chickens.* 034535
Necrotic enteritis in **broiler** *chickens.* III. Reproduction of the disease [Clostridium perfringens]. 035033
Studies on the uptake of calcium and strontium by isolated periosteal **cells** *[Chickens].* 034143
Filamin, a new high-molecular-weight protein found in smooth muscle and non-muscle **cells** *[Chickens].* 034146
Feedborne occurrence of beak deformation in *Leghorn* **chicks.** 035362
Genetic studies on **cholesterol** in the *chicken.* 034608
Amino acids of proteins of oocysts in some species of **Coccidia** from *hens.* 035184
Enzyme variation in Eimeria species of the *chicken* **[Coccidiosis].** 035178
Transferred drug-resistance in Eimeria maxima [cause of *chicken* **coccidiosis].** 035183
Comparison of free amino acids in blood serum of men and animals. 1. Man, rat, mouse, **cock** *[chickens].* 034239
Acceptability of three **convenience** *chicken* products. 032344
High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of *chicken* **corticosteroid** binding globulin. 033868
The intracellular digestive apparatus of **cultured** *chicken* heart cells. A morphological, enzyme cytochemical, and morphometriec study. 034247
Methods of diagnosis of Marek's disease in **Czechoslovakia** *[Chickens].* 035265
General and specific combining ability of meat lines of *hens* in **diallele** crosses. 034809
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by tissue slices of roosters fed a phenylalanine-free **diet** *[Chickens].* 034427
Features and complications of the chronic respiratory **disease** in the *chicken.* 035043
Serological survey of infectious bursal **disease** *[Chickens].* 035085
Our examination of edema **disease** of *chickens.* 035385
A brachial glycogen body in the spinal cord of the **domestic** *chicken.* 034068
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of *hens.* 3. **Effect** of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Regulation of pineal rhythms in *chickens:* **effects** of blinding, constant light, constant dark and superior cervical ganglionectomy. 033887
Intermittent light speeds broiler growth and improves **efficiency** *[Chickens].* 033916
Surface distribution of the fatty acid side chains of phosphatidylethanolamine in mixed phospholipid vesicles *[Hen* **egg** yolk]. 033813
Effect on lime treating, oil spraying and thermostabilization on the keeping quality of shell **eggs** *[Chickens].* 033130
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk sac-serosal membrane *[Chicken* **eggs].** 033733
The structure of triclinic [of the *hen* **egg-white]** lysozyme at 2.5 A [angstrom] resolution. 034067
Propagation and characterization of Ranikhet (Newcastle) disease virus in *chicken* **embryo** fibroblast and kidney cell culture. 035084
Viral factors required for interferon induction by Newcastle disease virus in mouse macrophages and *chicken* **embryo** cells. 035112
Embryonic *chicken* periosteum in tissue culture: osteoid formation and calcium uptake. 034141
Studies on the response of ewes to live Chlamydiae adapted to *chicken* **embryos** or tissue culture. 035035
Effect of [the acaricide] phthalophos on *chicken* **embryos** [Abnormalities]. 035455
The effect of lindane on the biological effectiveness of **estradiol** in *chickens.* 035453
Gas-blood pCO2 [carbon dioxide pressure] gradients during avian gas **exchange** *[Chickens].* 034015
Chicken without **feathers?** 035316
Influence of the presence of rape cake in the *chicken* **feed** on egg laying performances. 034392
The use of fats and oils as a source of energy in mixed **feeds** *[Chickens].* 034373
Factors affecting *chicken* **fertility.** 034780
Rous sarcoma virus activates embryonic globin genes in *chicken* **fibroblasts.** 035188
Release of FSH [follicle-stimulating hormone] from the pituitary of the *hen* **following** an injection of progesterone. 034095
The occurrence of lipid in the oxyntico-peptice cells of the proventriculus of the fasting domestic **fowl** *[Chickens].* 033999
Morphogenesis of hybrids between guinea **fowl** and *chicken.* 034585
Keeping quality of **frozen** *chickens* and chicken portions, time-temperature-tolerance and nature of packaging tests. 033125
Experimental study of visual projections specificity in microphthalm and monophthalm embryos and *chickens* of **Gallus** domesticus L. 033758
Analysis of the structural forms of alpha-amylase present in *chicken* **(Gallus** domesticus) pancreatic duct juice and intestinal lumen. 033866
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the *hen* **(Gallus** domesticus). 034669
Metabolism of 14C [carbon isotope]-glutamic acid and 14C-DL-arginine in *chickens* with different **genotypes** of the blood catalase. 033883
Effect of certain nuerohumors on thyroid **gland** *[Chickens].* 033969
The ultrastructural localization of calcium in the avian shell **gland** *[Chickens].* 034065
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of *hens.* 4. **Graded** lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Immune responses to infections with coccidia [of Eimeria acervulina] in *chickens:* **gut** hypersensitivity. 035181
Peptic peptides from the beta polypeptide chain of AII component of *chicken* **hemoglobin.** 034031
Tryptic peptides from the beta polypeptide chain of AII component of *chicken* **hemoglobin.** 034033
Electron spin resonance spectra of *chicken* **hepatoma** and liver tissue. 033702
The microflora of the *hen* **house** and its influence on the health and performance of poultry. 034901
How *chicken* on Sunday became an anyday treat [Feeding, rearing]. 033693
"The Golden Montazah", a new **hybrid** of *chickens.* 034551
Response of renal calcium-binding protein independence of kidney vitamin D **hydroxylation** [in *chickens].* 034343
Imprinting in *chickens.* 034185
Temperature sensitivity studies on selected strains of Mycoplasma gallisepticum **[Infected** *chicken* flocks]. 035036
Studies on the nutrient content of the liver, pectoral muscle, total body and eggs of *hens* as **influenced** by graded supplies of vitamin B6. 034316
Enhancement and interference in *chickens* **inoculated** with Marek's disease herpesvirus and oncornaviruses. 035189
Rationalization of artificial **insemination** in *hens.* 034836
Infectious tenosynovitis: immunization experiments with a viral **isolate** *[Chickens].* 035044
Immunity trial of fowl pox 'BM' strain vaccine against virulent fowl pox virus (Punjab **isolate-1)** *[Chickens].* 035186
Glucose production and its hormonal control in **isolated** *chicken* hepatocytes. 034202

The preparation and assessment of the physiological competence of **isolated** *chicken* hepatocytes. 034213
Programs for the management of egg **laying** *chickens* by computer [Production planning]. 031258
20 weeks of lay above 80 percent rate **[Laying** *hens].* 033628
Optimal production time for egg **laying** *chickens*—how long to retain the hens? 033642
What body weight for **laying** *hens.* 033975
The influence of fat mobilizing substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic acid metabolism in the **laying** *hen.* 033989
Apparent amino acid digestibility of feather meal with **laying** *hens.* 034383
Feed concentrates as meal, grain, or pellets for **laying** *hens?* 034433
Egg thickness as affected by calcium level in **laying** *hen* ration. 034536
Losses of caged **laying** *hens* from obesity. 035380
Effects of density and social order of the flock, and of length of feeding troughs, on the performance of **layng** *hens* rationed in feed. 034363
17-beta-estradiol and transportation of alpha-amino-isobutyric acid in *chicken's* **liver** sections. 033884
Structural properties of pyruvate carboxylases from *chicken* **liver** and other sources. 034148
Catabolism of fatty acids by *chicken* **liver** homogenates incubated with margaric, stearic and linoleic acids [Animal nutrition]. 034423
The effect of age and sex on dihydrofolic acid reductase activity in *chicken* **liver.** 034768
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: immunity in *chickens* with **low** multiple doses of mixed oocysts. 035059
Antirachitic activity of **lumisterol-3** *[Chickens].* 033753
Trace elements content in *chicken* **meat.** 032501
Trials to isolate viral agents [Newcastle virus] from *chicken* **meats;** thoughts on their characteristics. 035049
Research on the poisoning of *chickens* by **mercury** administered with drinking water. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. 035402
Induction of udpglucose dehydrogenase during development, organ culture, and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall glucuronidation in *chicken* and **mouse.** 033801
A survey on spoilage of eggs and death of *chickens* during **natural** hatching and rearing by hens. 034646
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and *chickens* and **oviparity** of hens [Radiation, injuries]. 034166
The in-vivo-determination of total body fat with **"DDE"** (1,1-dichloro-2,2- bis **(p-chlorophenyl)ethylene)** *[Chickens].* 039601
Studies on the feeding of larval Argas persicus Oken *[Chickens,* **pests].** 039518
Assessment of feeding value of extracted mustard cake in starting growing **phase** of *chickens.* 034384
Comparative aspects of buffering capacity in muscle *[Chickens,* **pigeons].** 034173
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some animals [Dogs, rats, guinea **pigs,** *hens].* 034034
Studies on Bacteroides fragilis group. 1. Distribution of Bacteroides fragilis group in the large intestine of guinea **pigs** and *chickens.* 035011
Presence of an oviposition-inducing substance in the anterior lobe of **pituitary** of the *chicken.* 034094
High affinity binding of dexamethasone to *chicken* **plasma** proteins: some characteristics of chicken corticosteroid binding globulin. 033868
Passive transfer of heterologous immunity in avian malaria *[Chickens,* **Plasmodium** relictum]. 035099
Keeping quality of frozen chickens and *chicken* **portions,** time-temperature-tolerance and nature of packaging tests. 033125
Oily vaccines [Newcastle disease, **prevention,** *chickens].* 034973
Purification and properties of an avian **prolactin** *[Chickens].* 033907
Purification and properties of proteinase inhibitors from the albumin of the eggs of certain species of birds *[Chickens,* **quail].** 033119
Histochemical and biometrical comparison of the peroneus longus muscle and its innervation in Gallus gallus and Coturnix coturnix japonica *[Chickens,* **quail].** 033699
A procedure for location and removal of the lachrymal and Harderian glands of avian species *[Chicken,* **quail].** 033863
Mechanism of the development of strontium **rachitis** [in *chickens].* 035389
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and chickens and oviparity of *hens* **[Radiation,** injuries]. 034166
Tuber meals as carbohydrate sources in broiler **rations** *[chickens].* 034378
A survey on spoilage of eggs and death of chickens during natural hatching and **rearing** by *hens.* 034646
Incidence of inclusion hepatitis of broilers in four localities of the Western Bohemia **Region** *[Chickens].* 035263
Optimal production time for egg laying chickens—how long to **retain** the *hens?* 033642
Light inhibits the labelling of gangliosides in *chicken* **retina.** 034113
The synthesis and properties of the complete complementary DNA transcript of ovalbumin messenger **RNA** *[Chickens].* 034584
The plaque reduction test in the study of antibodies against the viral arthritis reovirus *[Chicken* **sera].** 035048
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the *chicken,* **sheep,** dog and rheusus monkey heart. 034069
Economic results of the influence of feeding on the production of **slaughter** *chickens* [Protein]. 033135
Antibody synthesis by *chicken* **spleen** cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
Staphylococcosis of the *chicken.* 035047
A guide to the choice of laying **stock** *[Chickens].* 033593
Growth hormone and somatomedin; a brief review **[Swine,** *chickens].* 034120
Fine structure of *chicken* **thymic** epithelial vesicles. 034048
Testing the protective effect of cell-free lyophilized vaccine against Marek's disease in field **trials** *[Chickens].* 035228
Some information on rearing of **turkey** *hens.* 033691
Multiple insemination of **turkey** *hens.* 034595
Experience in the use of enzyme preparations in livestock nutritions *[Chickens,* **turkeys,** swine]. 034393
The virulence of trimethoprim-resistant thymine-requiring strains of Salmonella **[typhimurium,** *chickens].* 035116
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA **viruses** *[Chickens].* 035133
Western *chicken* teriyaki with curried peaches. 032614
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, plasma protein and cholesterol concentration in **White** *Leghorn* and Australorp cockerels. 033978
Effect of soybean meal, extruded soybeans and ground, raw soybeans on the performance of **White** *Leghorn* layers. 034494
Study on connection between behavior in open-field and emotivity in **young** *chickens.* 033743
Studies on male sheep investigating the feeding value of excreta from **young** *hens* and broilers. 034314
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of **young** *hens* as affecting performance characteristics in the laying period. 034319

CHICKPEAS

About the major changes in the varietal zoning of grain legumes [Peas, kidney **beans,** *chickpeas].* 038535
Distribution of photosynthates in *chickpeas* **Cicer** arietinumL. 037752
Detection and location of seed-borne inoculum of Ascochyta rabiei and its transmission in *chickpea* **(Cicer** arietinum). 038788
Pathogenicity and control of root-knot nematodes (Meloidogyne spp.) **infecting** *chickpea.* 039037

CHICKS

Calcium requirements for *chicks* as **affected** by some nutrition factors. III. Effect of feeding different levels of calcium and phosphorus with the same ratio on growth of Dokki-4 chicks. 034257
Calcium requirements for *chicks* as **affected** by some nutritional factors. IV. Effect of feeding different levels of vitamin D3 on growth of Dokki-4 chicks. 034258
Problems related to the guarantee of natural losses of **baby** *chicks.* 031963
Observations on an experimental infection of **baby** *chicks* with tenosynovitis virus. 035045
Comparison of early embryonic and differentiating cell surfaces: interaction of lectins with plasma membrane components *[Chick* **blastoderm].** 033790
Effect of floor and feeding space on the performance of **broiler** *chicks.* 033632
Effectiveness of antibiotics for experimental septicemia of *chicks* **caused** by Escherichia coli. 035240
Analysis of changes in collagen biosynthesis that occur when *chick* **chondrocytes** are grown in 5-bromo-2'-deoxyuridine. 034144
Changes in chemosensitivity of **developing** *chick* muscle fibres in relation to endplate formation. 034124
Biochemical roles of selenium and vitamin E in prevention of exudative **diathesis** in *chicks.* 035323
Histogenesis of aminergic nerve cells in the *chick's* **diencephalon,** Gallus gallus. 033756
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of feeding different levels of calcium and phosphorus with the same ratio on growth of **Dokki-4** *chicks.* 034257
Calcium requirements for chicks as affected by some nutritional factors. IV. Effect of feeding different levels of vitamin D3 on growth of **Dokki-4** *chicks.* 034258
The embryonic sex hormones in birds *[Chicks,* **ducks].** 033757
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from *chick* **embryo** tendons without activation of prolyl hydroxylase. 033786
Protein synthesis in homologous and heterologous cell-free systems from *chick* **embryo** connective tissues. 033811
Vitamin B12 binding protein purified from the acid soluble fraction of *chick* **embryo.** 033992
Stimulation of lactic acid production in *chick* **embryo** fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Histological aspects of the effects of vinblastine on the morphogenesis of the foot of the *chick* **embryo.** 034052
Interaction of multiplication-stimulating activity with *chick* **embryo** fibroblasts demonstrates a growth receptor. 034112
Is the early development of the *chick* **embryo** affected by the presence of various concentrations of antibiotics in the substratum? 034142
Distribution of Lednice (Yaba 1) virus in the *chick* **embryo.** 034957
Cell-free synthesis of tubulin 1 and tubulin 2 on polysomes isolated rom **embryonic** *chick* brain. 033789
Epidermal protein metabolism directed toward keratinization by hydrocortisone in the *chick* **embryonic** skin growing in a chemically defined medium. 033876
Scanning electron microscopic visualization of collagen fibers in **embryonic** *chick* skin. 033877
Development of excitability in **embryonic** *chick* skeletal muscle cells. 034045
Ultraviolet-induced alterations of beat rate and electrical properties of **embryonic** *chick* heart cell aggregates. 034063
Further characterization of procollagen messenger ribonucleic acid from **embryonic** *chick* tendon cells. 034201
Procollagen biosynthesis and polyribosome-membrane interactions in **embryonic** *chick* tendon cells. 034205
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) *solution[Chick* **embryos].** 033842
Chondrocyte metabolism as affected by vitamin A *[Chick* **embryos].** 033843
Studies on avian erythrocyte metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in *chick* **embryos** and chicks. 033865
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on cultured brain cells from *chick* **embryos** of different ages. 033892
A mechanical dissociation method for preparation of muscle cell cultures *[Chick* **embryos].** 034044
Polysomes from cultured muscle cells: the cell-free synthesis of myosin *[Chick* **embryos].** 034046
Morphogenesis of intestinal villi. II. Mechanism of formation of previllous ridges *[Chick* **embryos].** 034053
The ubiquitous occurrence of chondroitin sulfates in *chick* **embryos.** 034059
Haemopoietic responses in *chick* **embryos** to administration of steroid hormones: an system for the study in vitro. 034203
The action of thyroxine on the structure of the heart muscle cell mitochondria in prenatal ontogenesis *[Chick* **embryos].** 034217
Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prowazeki by passages in cell culture *[Chick* **embryos].** 034958
Cytotoxicity of staphylococcal enterotoxins *[Chick* **embryos].** 035074
The comparative effects of vitamin D deficiency and ethane1-hydroxy-1,1-diphosphonate administration on the histology and glycolysis of *chick* **epipiphyseal** and articular. 033844
Influence of dietary fat source on hepatic lipogenesis in the **fasted-refed** *chick* (Gallus domesticus). 033869
Developmental changes of AMP-deaminase activity in *chick* **heart** muscle. 033984
An in vitro of vitamin D2 **hydroxylases** in the *chick.* 034035
Co-ordinate synthesis of ribosomes and elongation factors in the liver of **immature** *chicks* following a metabolic shift-up. 034066
Studies on biosynthesis of soluble lens crystallin antigens in the *chick* by **isoelectric** focusing in thin-layer polyacrylamide gel. 033888
The regulatory role of calcium in 25-hydroxycholecalciferol metabolism in *chick* **kidney** in vitro. 033769
Feedborne occurrence of beak deformation in **Leghorn** *chicks.* 035362
Dietary effect on subsequent growth of the Silver Montazah and the Golden **Montazah** *chicks.* 034259
Cell proliferation in the developing wing-bud of normal and talpid3 **mutant** *chick* embryos. 034051
Behavioral adaptation in **neonatal** *chicks* following embryonic vestibular system rearrangement. 034058
The effects of temperature and relative humidity on the thermoregulatory responses of grouped and isolated **neonate** *chicks.* 033995
Nucleic acid probes and analysis of hormone action in *[chick]* **oviduct.** 033778
Effects of estrogen on gene expression in *chick* **oviduct:** nuclear receptor levels and initiation of transcription. 034145
Hormonal regulation of specific gene expression in the *chick* **oviduct.** 034583
Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the *chick* **oviduct.** 034642

Studies on experimental vitamin A deficiency in *chicks*—**pathology.** 035324
Biotin deficiency and fatty liver and kidney syndrome in *chicks* given **purified** diets containing different fat and protein levels. 034344
Distribution of type A and B monoamine oxidase activities in the central nervous system of **rat** and *chick.* 033889
Studies of different levels of protein in layer's **ration** *[Chicks].* 034267
The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the regulation of *chick* **renal** 25-hydroxyvitamin D3-24hydroxylase. 033770
Effect of proteases on activation of **resting** *chick* embryo fibroblasts and on cell surface proteins. 033855
The growth of the *chick* **retina** after hatching. 033735
Immunochemical analysid of water-soluble antigens of *chick* **retina** in the course of embryogenesis. 035106
Isolation and characterization of type III collagen from *chick* **skin.** 033920
Present knowledge on the viral **tenosynovitis** of the *chick.* 035046
The effect of 2, 4-dinitrophenol on the growth of Bordetella pertussis in *chick* **tracheal** organ culture. 035139
Electron microscope examination of Tyuleniy **virus-infected** *chick* fibroblast cells. 035281

CHICORY
Chemical weed control in **coffee** *chicory* and endive. 039186
Further experimental contributions to using plastic films for bleaching and **mulching** *chicory* (Cichorium intybus L.), variety Variegato di Castelfranco. 038464

CHIGGERS ***see*** **THROMBICULIDAE**

CHILDBEARING ***see*** **BIRTH**

CHILDREN
Pathological growth and maturation in infants and *children* **associated** with modern methods of feeding. 032218
Effects of the ingestion of vitamin E with vitamin A on serum levels and urinary creatine/-creatinine in *children* with **cystic** fibrosis. 032274
Diet for the **diabetic** *child.* 032438
TV advertising and its effects on *children's* **eating** habits. 032591
New protein mixture for *child* **feeding.** 032299
Evaluation of methods for protein enrichment of buns for *children* in the **Hungarian** People's Republic. 032484
Treatment of the **hyperactive** *child.* 032161
Total muscle mass in **malnourished** *children* measured by N [nitrogen isotope]-creatine. 032326
Evaluation of a low-lactose nutritional supplement in **malnourished** *children.* 032351
T3 resin uptake in protein-calorie **malnutrition** *[Children].* 032163
Mother-infant relationship prior to the development of clinically severe **malnutrition** in the *child.* 032298
Child **nutrition** in a changing world. 032202
Is the menu all right for your *child?* **[Nutrition].** 032382
Child **nutrition:** a long way to go. 032562
Emotional aspects of **obesity** in *children.* 032442
The diets of **preschool** *children* in Newcastle upon Tyne, 1968-71. 032187
An applied nutrition program among Philippine **pre-school** *children.* 032261
Supplementary foods for **preschool** *children.* 032418
Nutritional nuances of the term **preschool** *child* and the need for precise definition. 032441
Antenatal events and postnatal growth and survival of *children*—**prospective** observation in a rural Guatemalan village. 032262
Energy metabolism in *children* with **protein** calorie malnutrition (PCM). 032276
A program of weight **reduction** in *children.* 032689
Nutritional status of Head Start and nursery **school** *children.* I. Food intake and anthropometric measurements. 032356
Teens **teach** *children* nutrition. 032602
Canine salmonellosis: a review and report of dog to *child* **transmission** of Salmonella enteritidis. 034975
Protein and caloric requirements of fast-growing young babies and their relationship to **undernourished** *children.* 032471
The effect of teacher behaviors and food serving arrangements on **young** *children's* eating in a day care center. 032203

CHILIS
Studies on a virus causing mosaic disease of *chilli* **[Aphis** gossypii, Aphis craccivora, Myzus persicae vectors]. 038907
New records of three diseases [Glomerella cingulata, Sclerotinia sclerotiorum, Botryodiploidia theobromae] of *chilli* in **India.** 038700
Changes in amino acids, carbohydrates and capsaicin content of red fruits of *chillies* **infected** with Colletotrichum piperatum. 038676

CHILLI ***see*** **CHILIS**

CHILO
Sevidol granule for the control of sugarcane shoot **borer** *Chilo* infuscatellus Snell. 039287
Sex pheromone of rice stem borer *[Chilo* **suppressalis];** purification and chemical properties. 039251

CHILOCORUS
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, *Chilocorus* **bipustulatus** L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. 039333

CHILOPODA
A new Watophilus [knowltoni] from Utah, including a list of all known **species** *(Chilopoda:* Geophilomorpha: Chilenophilidae). 040138

CHIMERA
Nature of **chlorophyll** *chimeras* in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from chlorophyll-deficient tissues. 036547
Study of *chimerism* in the **reproductive** tissue of Arabidopsis thaliana plants following irradiation of seeds. 036690

CHIMPANZEES
A natural case of Schistosoma mansoni in the *chimpanzee* **(Pan** troglodytes versus) [Laboratory animals]. 035142

CHINCHILLAS
Chinchillas. XXVII **[Breeding,** mutations, varieties]. 034842
Chinchillas. XXII. **[Diseases,** injuries]. 034930
Chinchillas. XXII. **[Diseases].** 034931
Chinchillas, XXV. **[Exhibiting].** 033680
Ranch facilities planning basic construction reasoning *[Chinchillas* **housing].** 040349
Chinchillas. XXIV. **[Husbandry].** 033679
Chinchillas. XXVI. **[Injuries,** vices]. 035450
Chinchilla **leather**—A general review. 033053

CHIP
Effect of variety and harvest date on tuber sugars and *chip* **color** [Potatoes]. 033324
Economy of high **frequency-preheating** *chip* mats in particle board production. 035763
Tentative determination of price for coniferous medium-sized wood for the production of lumber and **industrial** *chips.* 035873
Chipping [of **logging** residue] in the bush. 035712
Economic considerations in storage and preservative treatment of southern **pine** *chips.* 035880
Alternate uses of **wood** *chips.* 035791
Atmospheric and pressurized refining of **wood** *chips*—laboratory scale studies. 035851

CHIPBOARD
Indoor air pollution due to *chipboard* used as a **construction** material. 041490

CHIRONOMIDAE
Adaptations of *chironomids* **[Chironomidae]** to intertidal environments [Geographical races and speciation]. 039616
A key to larvae of the genus Glyptotendipes (Diptera, *Chironomidae)* in **wter** bodies of the Moscow district [New taxa]. 040172

CHIRONOMUS
Puffing patterns during the fourth larval instar in *Chironomus* **pallidivittatus** salivary glands. 039677
Microanalysis of RNA from defined cellular components *[Chironomus* **tentans].** 039874
Role of cyclic-AMP [adenosine-5'-monophosphate] on morphogenesis in *Chironomus* **thummi** thummi (Kieffer). 039804
The endocrine glands of *Chironomus* **thummi** Kief. During larval development and metamorphosis. 039933

CHITIN
The *chitin-glucan* **complex** of Saccharomyces cerevisiae [Yeasts]. III. Electron-microscopic study of the prebudding stage. 036311
Pyrolysis of *chitin,* a **potential** tobacco extender. 032852

CHLAMYDIA
Morphological picture of testes of bulls infected with microorganisms of the **genus** *Chlamydia.* 035009
The occurrence and pathology of chlamydiosis *[Chlamydia]* **indomestic** and laboratory animals: a review [Bacterial diseases]. 035176

CHLAMYDOMONAS
Electron-microscopic study of chloroplasts in zygotes of *Chlamydomonas* **reinhardi** [Algae]. 036540
Nucleotide-metabolizing enzymes in *Chlamydomonas* **[reinhardi]** flagella [Algae]. 037020
Trypsin-sensitive photosynthetic activities in chloroplast membranes from *Chlamydomonas* **reinhardi,** y-l [Algae]. 037021
The light-harvesting chlorophyll a/b-protein complex of *Chlamydomonas* **reinhardii** [Algae]. 037205

CHLAMYDOSPORES
The effects of soil-borne microorgaisms on the germination of *chlamydospores* of **Tilletia** caries and Tilletia foetida [Potential for the biological control of bunt]. 038811

CHLORAMPHENICOL
The effect of *chloramphenicol* and **cycloheximide** on meiotic zoosporogenesis and mitotic gametogenesis in Ulva mutabilis [Algae]. 036413
Biochemical and cytological studies of mitochondrial development in *chloramphenicol-induced* **rice** coleoptiles. 037360

CHLORDANE
Persistence of **AG** *chlordane* in soil and its presence in plants. II. [Alfalfa]. 039526

CHLORELLA
Post-transcription control of isocitrate lyase induction in the eukaryotic **alga** *Chlorella* fusca. 037132
Effect of cadmium on *Chlorella* **[Algae].** II. Growth, survival and mutability of Chlorella. 036512
Effect of cadmium ions on *chlorella* **[Algae].** II. Modification of ultraviolet irradiation effect. 036513
Effect of doses and types of irradiation on mutation frequency in *Chlorella* **[Algae]:** mutation maximum effect. 036514
Comparative study of glutamate dehydrogenases of *Chlorella* **[Algae].** 036827
Comparative capacity of amino acid incorporation by isolated nuclei and chloroplast preparations *[Chlorella,* **Algae].** 037269
Metabolism of 24-dihydrolanosterol in Ochromonas malhamensis and *Chlorella* **ellipsoidea** [Algae]. 037169
Taxonomy of species Chlorella ultraquamata Clem. Et Fott and *Chlorella* **fusca** Shih. et Krauss [Algae]. 035961
Effect of cadmium on Chlorella [Algae]. II. Growth, survival and **mutability** of *Chlorella.* 036512
Cell multiplication in a salt-tolerant strain of *Chlorella* **saccharophila** [Algae] under saline condition. 036851
Taxonomy of **species** *Chlorella* ultraquamata Clem. Et Fott and Chlorella fusca Shih. et Krauss [Algae]. 035961
Semilethal spotted mutants of *Chlorella* **[vulgaris,** algae]. 036527
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of *Chlorella* **vulgaris** under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691

CHLORIDES
In vitro study on the mechanism of **ammonium** *chloride* on the prevention of urolithiasis in fattening cattle. 035352
Chloride **cells** of the larvae of Caenis diminuta Walker (Ephemeroptera, Caenidae) under different salinity. 039818
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 **[cerous** *chloride]* with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413
Results of trials with **chlorcholine** *chloride* (CCC) used on soft and hard wheat. 037353
Influence of **chlorocholine** *chloride* (CCC) on the growth, development and productivity of oats in the second seed generation; report. 037503
The influence of **chlorocholine** *chloride* on the photosynthetic activity and the transfer of assimilates to the rye roots. 037506
A contribution to the application of the plant-growth regulator **chlorocholine** *chloride* (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
Investigations on the role of gibberellic acid (GA3) and **chlorocholine** *chloride* (CCC) in the process of rooting of willow (Salix viminalis L.) cuttings. 037901
Treatment of cereal seeds and stands with **chlorocholine** *chloride.* 038039
Effect of irrigation, fertilization and CCC **[chlorocholine** *chloride]* treatment on the 1000-grains weight and seed germination of wheat. 038132
Chlorocholine *chloride* for better lodging resistace of choice carnations [Dianthus caryophyllus]. 038305
The **chromic** *chloride* method of coupling antigens to erythrocytes: definition of some important parameters [Sheep]. 035119
Chloride **control** in the refinery [Processing sugarcane]. 033161
Intercellular transport in plants. I. The rate of transport of *chloride* and the **electric** resistance [Chara corallina, Algae]. 037041
Ketamine HCl **[hydrogen** *chloride],* a dissociative anesthetic for squirrel monkeys (Saimiri sciureus) [Laboratory animals]. 034910
A durable flame-retardant finish for cotton based on THPC [tetrakis **(hydroxymethyl)-phosphonium** *chloride]* and urea. 031951

Effects of magnesium and *chloride* **ions** on light-induced electron transport in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
Role of **magnesium** *chloride* in crosslinking cellulosics [Fabrics]. 032713
Prolonged oral administration of methyl **mercury** *chloride* to rainbow trout (Salmo gairdneri) fingerlings. 039345
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl [(5-chloro-2-thienyl)methyl] **phosphonium** *chloride*. 038772
Yield improvement of coconut in elevated inland area of Davao (Philippines) by KCl [**potassium** *chloride]* fertilization. 041023
A *chloride* **reduction** model for the Rhine River [Water pollution]. 041559
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and **sodium** *chloride* [Food contamination]. 032102
Comparative efficiency of triphenyl **tetrazolium** *chloride* reduction test for grading of milk. 032081
Application of both paper disk assay method and TTC [**triphenyltetrazolium** *chloride]* test for the detection of antibiotics in eggs. 032065
Observations on the oral administration and toxicity of **vinyl** *chloride* in rats [Nutrition and food research]. 032012
Dynamic behavior of **vinyl** *chloride* in aquatic ecosystems [Water pollution]. 041506

CHLORINATED

On the contamination of milk and milk products with *chlorinated* **hydrocarbons.** II. Results and discussion. 032156
Chlorinated **hydrocarbons** in cetaceans. 039574

CHLORINE

Gradient system of *chlorine* and **ash** distribution in plants and its ecological-physiological significance. 037276
Na+ and Cl- [sodium and *chlorine* **ions**] transepithelial routes in rabbit gallbladder. Tracer analysis of the transports. 034131
Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, sodium, *chlorine* **isotopes**] in Nitella translucens [Algae]. 037039
Improvements in *chlorine* **residual** analyzers [Water and wastewater treatment]. 041574

CHLORIS

Overseeding rhodesgrass *[Chloris* **gayana]** with oats on peat soil. 038020

CHLORMADINONE

Use of *chlormadinone* **acetate** (Bovisynchron) for synchronizing estrus in cattle. 034865

CHLOROCHOLINE

Influence of *chlorocholine* **chloride** (CCC) on the growth, development and productivity of oats in the second seed generation; report. 037503
The influence of *chlorocholine* **chloride** on the photosynthetic activity and the transfer of assimilates to the rye roots. 037506
Investigations on the role of gibberellic acid (GA3) and *chlorocholine* **chloride** (CCC) in the process of rooting of willow (Salix viminalis L.) cuttings. 037901
Treatment of cereal seeds and stands with *chlorocholine* **chloride.** 038039
Effect of irrigation, fertilization and CCC *[chlorocholine* **chloride]** treatment on the 1000-grains weight and seed germination of wheat. 038132
Chlorocholine **chloride** for better lodging resistace of choice carnations [Dianthus caryophyllus]. 038305
A contribution to the application of the plant-growth **regulator** *chlorocholine* chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
Effect of presowing treatments of seeds with *chlorcholinechloride* on the **winter** hardiness of winter wheat. 038154

CHLOROCOCCALES

Scenedesmus trainorii sp. Nov. (Chlorophyta, *Chlorococcales):* a **polymorphic** species [Algae, new taxa]. 036111

CHLOROETHYL

Reproduction and teratological studies with *1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea* (CCNU) in the rat and rabbit. 035445

CHLOROFORM

A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, *chloroform,* and **carbon** tetrachloride to hepatic protein and lipids in vitro and in vivo [in mice]. 035391

CHLOROPHENYL

The in-vivo-determination of total body fat with "DDE" (1,1-dichloro-2,2- **bis** *(p-chlorophenyl)ethylene)* [Chickens]. 039601
Conversion of *1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane* **(DDT)** to water-soluble products by microorganisms [Environmental contamination]. 039557
Laboratory tests of *1-(4-chlorophenyl)-3(2,6* **difluorobenzoyl)** urea on survival of western hemlock looper [Lambdina fiscellaria lugubrosa]. 039383

CHLOROPHYCEAE

The fine structure of the zoospores of Fritschiella tuberosa Iyeng. (Chaetophorineae, *Chlorophyceae)* with **special** reference to the flagellar apparatus [Algae]. 036352
Ultrastructural localization of lead in **Stigeoclonium** *tenue(Chlorophyceae,* Ulotrichales) as demonstrated by cytochemical and X-ray microanalysis [Algae]. 036341

CHLOROPHYLL

Heterogeneity of *chlorophyll* and **activity** of Hill's reaction in the presence of aftereffects of cobalt micronutrient fertilizers [Barley chloroplasts]. 037416
Chlorophylls: **aspects** of biosynthesis and their regulation. 036794
Mutants as objects for investigations on the function of *chlorophylls* **[Barley].** 037444
Effect of processing and storage conditions on the stability of *chlorophyll* and **beta-carotene** content of green leafy vegetables available in northern India. 033393
Structural and dynamical studies of mixed [spinach] *chlorophyll/phosphatidylcholine* **bilayers** via X-ray diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. 037656
Genetic control of *chlorophyll* **biosynthesis** and formation of its forms in vivo. 036543
The metabolic and epigenetic control of *chlorophyll* **biosynthesis.** 036975
The relationship of *chlorophyll* **biosynthesis** to protein and RNA synthesis in greening and green leaves. 036977
Effect of streptomycin on *chlorophyll* **biosynthesis** in wheat seedlings. 037581
Phosphorus quota and the *chlorophyll:* **carbon** ratio in marine phytoplankton [Algae]. 037091
Ultrastructure of pepper leaves with *chlorophyll* **changes** under the effect of nitrosomethylurease. 036282
Nature of *chlorophyll* **chimeras** in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from chlorophyll-deficient tissues. 036547
Contents of *chlorophylls* a and b in **chlorophyll-deficient** mutants of sweetclover. 036426
Effect of ethylene on chlorophyllase activity and *chlorophyll* **content** in calamondin rind tissue. 033386
Organogeochemical studies of a 200-meter core sample from Lake Biwa. III. The determination of *chlorophyll* **derivatives** and carotenoids. 036244
Applications of high-pressure liquid chromatography and field desorption mass spectrometry in studies of natural porphyrins and *chlorophyll* **derivatives.** 037032
Effects of aging on *chlorophyll* **fluorescence** and photosystem II electron transport in isolated chloroplasts [of spinach]. 037672
The effect of delta-aminolevulinic acid on the protochlorophyllide accumulation and *chlorophyll* **formation** in barley green leaves. 037398
Chlorophyll **forms** affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low temperature fluorescence spectra of chloroplasts and fragments [Maize]. 037405
The **light-harvesting** *chlorophyll* a/b-protein complex of Chlamydomonas reinhardii [Algae]. 037205
Contents of chlorophylls a and b in *chlorophyll-deficient* **mutants** of sweetclover. 036426
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the induction of *chlorophyll* **mutations** in Oryza sativa L. [Rice]. 036555
Chlorophyll and **peptide** compositions in the two photosystems of marine green algae. 036810
A method for the spectrophotometric measurement of *chlorophyll* a and **pheophytin** a in benthic microalgae. 037086
Changes in the *chlorophyll,* **plastoquinones** and ubiquinone content of the peach leaves (cv. Elberta) infected by Taphrina deformans (Berk.) Tul. 038758
Triplet states of *chlorophyll* and its **predecessor** in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney beans, peas]. 037685
Revertants of **sunflower** *chlorophyll* mutants. 036689
Analysis of **temperature-jump** *chlorophyll* fluorescence induction in plants [Algae]. 036808
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from *chlorophyll-deficient* **tissues.** 036547
Estimation of *chlorophyll* in **tobacco** leaves by direct photometry. 037349

CHLOROPHYLLASES

Effect of ethylene on *chlorophyllase* **activity** and chlorophyll content in calamondin rind tissue. 033386

CHLOROPHYTA

Microspectrophotometric analysis of DNA replication in Eudorina **elegans** (Volvocales, *Chlorophyta)* **[Algae].** 036339
Scenedesmus trainorii sp. Nov. *(Chlorophyta,* **Chlorococcales):** a polymorphic species [Algae, new taxa]. 036111
The life history and ecology of the snow alga Chloromonas **pichinchae** *(Chlorophyta,* Volvocales). 037155

CHLOROPIDAE

Attractants for synanthropic flies: Identification of attractants and coattractants for Hippelates [collusor] eye gnats **(Diptera:** *Chloropidae).* 039467
Chloropidae **(Diptera)** of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. 040069

CHLOROPLASTS

The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and *chloroplast* **aminoacyl-tRNA** synthetases during cotyledon development. 037364
Mutation variability of *chloroplasts* in **Arabidopsis** thaliana(L.)Heynh. 036546
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of cobalt micronutrient fertilizers **[Barley** *chloroplasts].* 037416
Chloroplast **biogenesis.** Biosynthesis and accumulation of protochlorophyll by isolated etioplasts and developing chloroplasts [Cucumbers]. 037638
Structural modification of the *chloroplasts* **caused** by changes in the rate of photosynthesis as a result of dehydration of the leaf. 036941
Isolation of *chloroplasts* and **chloroplast** DNA from pea leaves. 037661
Estimation of method for determination of photophosphorylation activity in *chloroplasts* of **cotton** leaves. 037415
Investigation of quercetin binding sites on *chloroplast* **coupling** factor. 037647
Energy-dependent release of adenine nucleotides tightly bound to *chloroplast* **coupling** factor CF [Spinach]. 037695
Triplet states of chlorophyll and its predecessor in leaves and *chloroplasts* as **detected** according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney beans, peas]. 037685
Chloroplast biogenesis. Biosynthesis and accumulation of protochlorophyll by isolated etioplasts and **developing** *chloroplasts* [Cucumbers]. 037638
Interactions among cellular compartments in Euglena [gracilis var. bacillaris, Algae] during *chloroplast* **development.** 036969
Manganese stimulation of oxygen consumption in [spinach, maize] *chloroplasts* with **dibromothymoquinone.** 037406
Molecular size and the information content of *chloroplast* **DNA** s from higher plants. 036314
Isolation of chloroplasts and *chloroplast* **DNA** from pea leaves. 037661
Chloroplast **DNA-membrane** complex in Pisum sativum [Peas]. 037744
Characteristics of *chloroplast* **DNA-protein** complex [Peas]. 037743
Relative thermostability of the [spinach] *chloroplast* **envelope.** 037817
Ribosomal RNA genes in the nucleus and *chloroplast* of **Euglena** [gracilis, algae]. 036278
Chloroplast **fluorescence** of C4 [carbon] plants. I. Detection with infrared color film. 037206
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low temperature fluorescence spectra of *chloroplasts* and **fragments** [Maize]. 037405
The pigment fund of [pea] *chloroplasts* as a **function** of the spectral composition of light. 037867
Informational complexity of the nuclear and *chloroplast* **genomes** of Chamydomonas reinhardi [Algae]. 036818
Chloroplast **growth** and replication in germinating spinach cotyledons following massive gamma-irradiation of the seed. 037811
Studies on the slow fluorescence decline **isolated** *chloroplasts* [Spinach]. 037657
Effects of aging on chlorophyll fluorescence and photosystem II electron transport in **isolated** *chloroplasts* [of spinach]. 037672
Absorption and metabolism of CrO4 [chromate anion] by **isolated** *chloroplasts* [of spinach]. 037801
Redox conversions of cytochrome f in **isolated** *chloroplasts* of pea. 037866
Photosynthetic CO2 [carbon dioxide] assimilation in maize and spinach **leaves** and *chloroplasts.* 037446
Relations between divalent cation binding and ATPase [adenosintriphosphatase] activity in coupling factor from *chloroplast* **[Lettuce].** 037698
The biosynthesis of plastid membrane system proteins during the biogenesis of *chloroplasts* **[Maize].** 037396
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of *chloroplasts* **[Maize,** peas]. 037588
Organization of inner mitochondrial and *chloroplast* **membranes.** 036966
Trypsin-sensitive photosynthetic activities in *chloroplast* **membranes** from Chlamydomonas reinhardi, y-l [Algae]. 037021
Preservation of *chloroplast* **membranes,** in vitro [Spinach]. 037739
The age of *chloroplasts* in **mesophyll** of deciduous and evergreen plants. 036370
Chloroplast **messenger** RNA from etiolated pea seedlings. 037745
Cytochrome b-563 redox changes in intact CO2- [carbon dioxid]-fixing spinach chloroplasts and in developing **pea** *chloroplasts.* 037652
Effect of indoleacetic acid on the photophosphorylation of isolated **pea** *chloroplasts.* 037660
Fluorescent method for quantitative determination of flavonols and indols in Pisum sativum **[pea]** *chloroplasts.* 037703
Lipid composition in photosystem I-containing fragments of **pea** *chloroplast* intergrana and grana thylakoids. 037704
Lipoxygenase of *chloroplasts* **[Peas].** 037679
Study of the localization of RNA synthesis in fine structure of *chloroplasts* **[Peas].** 037682

The connection between photooxidative transformations of organic acids in *chloroplasts* and the **photosystem** II [Peas]. 037684
Reaction kinetics for positive charge accumulation on the water side of *chloroplast* **photosystem** II [Spinach]. 037697
On the specificity of interaction between DNA and protein of the *chloroplasts* of **Pisum** sativum [Peas]. 037865
The inheritance of genes in mitchondria and *chloroplasts* **[Plants,** animals]. 036398
Two mechanisms of the light-dependent transport of proton in *chloroplasts* of **plants** [Maize, peas]. 037402
Structural organization of *chloroplast* **polyribosomes** in connection with biogenesis of thylakoids of **grana** [Peas]. 037681
Comparative capacity of amino acid incorporation by isolated nuclei and *chloroplast* **preparations** [Chlorella, Algae]. 037269
Chloroplast **protrusions** in Arisarum proboscideum (L.) Savi. 036297
Dark oxidation-reduction coupled phosphorylation in **sonicated** *chloroplast* vesicles [Spinach]. 037694
Distribution of protein-bound hexosamine in *chloroplasts* [of **spinach,** snflower and maize]. 037201
Synthesis of sluble, thylakoid, and envelope membrane proteins by **spinach** *chloroplasts* purified from gradients. 037641
Cytochrome b-563 redox changes in intact CO2- [carbon dioxid]-fixing **spinach** *chloroplasts* and in developing pea chloroplasts. 037652
Maltose phosphate in isolated **spinach** *chloroplasts.* 037696
Properties of **spinach** *chloroplast* fructose-1-6-diphosphatase. 037808
Identification of cotton haploids by **stomatal** *chloroplast-count* technique. 036431
The effect of protein synthesis inhibition by cycloheximide on the fractionation of *chloroplast* **structural** elements [Barley]. 037400
Relationship between the protein-synthesizing system and the **structure** of *chloroplasts.* 036971
Evidence for structural units in *chloroplast* **thylakoids** [Nymphoides indica, beans]. 036344
A survey of *chloroplast* **ultrastructure** in the Dinophyceae [Algae]. 036337
The implications of genetic, physiological and environmental control of *chloroplast* **ultrastructure** to the optimization of photosynthetic activity. 036974
The reversible, light-induced conversions of **xanthophylls** in the *chloroplast.* 036802
Electron-microscopic study of *chloroplasts* in **zygotes** of Chlamydomonas reinhardi [Algae]. 036540

CHLOROSIS

Inheritance of resistance to **cowpea** *chlorotic* mottle virus (soybean strain) in soybeans. 038895
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of **cowpea** *chlorotic* mottle virus. 038922
Effect of grapevine **infectious** *chlorosis* virus on protein metabolism in the plant. 038899
Transformation of ultrastructure of grape leaves under the effect of **infectious** *chlorosis* virus. 038941
Lime-induced **iron** *chlorosis* in groundnut: treatment and prevention [Deficiency diseases, peanuts]. 039050
Correcting the *chlorosis* of **pin** oaks [Quercus palustris, iron deficiency diseases]. 039056

CHOANEPHORA

Effect of light spectrum on the growth and sporulation of two strains of *Choanephora* **cucurbitarum.** 038685

CHOCOLATE

Chocolate **analysis** and its difficulties. 032926
Survival of Salmonella eastbourne and Salmonella typhimurium in *chocolate* **[Food** poisoning]. 032089

CHOLERA

Quick diagnostic methods of **hog** *cholera.* 035192
Complex immunization of swine against **hog** *cholera,* Aujeszky's disease and erysipelas. 035232

CHOLESTEROL

Evidence for the activation of bovine **adrenal** *cholesterol* ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Late effect of premature weaning on **blood** *cholesterol* levelsin adult rats [Diet]. 032414
Genetic studies on *cholesterol* in the **chicken.** 034608
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, plasma protein and *cholesterol* **concentration** in White Leghorn and Australorp cockerels. 033978
Activities of *cholesterol* **degrading** microorganisms [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, Nocardia erythropolis]. 037113
Dietary *cholesterol* control - for all infants? 032361
The ratio of zinc to copper in *cholesterol-lowering* **diets.** 032323
Experimental atherosclerosis in rabbits **fed** *cholesterol-free* diets. 6. Skim milk powder. 035368
Biliary lipids and *cholesterol* **gallstone** formation [Nutrition and metabolic diseases]. 032165
Effect of *cholesterol* on **growth** & production of diosgenin, gitogenin, tigogenin & sterols in suspension cultures [Trigonella foenum-graecum]. 037452
Influence of qualitatively differing fats on the *cholesterol* **level** ina the liver and blood serum in cases of choline-proteinic deficiency. 032490
Effect of folic acid on serum and **liver** *cholesterol* in rats fed casein at two levels. 032337
The influence of some dietary factors on *cholesterol* **metabolism.** 032450
Application of Liebermann-Burchard reaction to the unsaponifiable portion of milk lipids as a criterion for the quantitative determination of *cholesterol* in **milk** and milk products. 032992
The effect of *cholesterol* **oleate** treatment of mice on the rosette forming cell response against sheep erythrocytes. 034164
Obesity and the question of *cholesterol* **reduction** in infancy and childhood. 032443
The effect of oral contraceptives on plasma lipoproteins, *cholesterol* and **tocopherol** levels in young women. 032317

CHOLINES

Influence of qualitatively differing fats on the cholesterol level ina the liver and blood serum in cases of *choline-proteinic* **deficiency.** 032490
Influence of riboflavin on xanthuria developing as a result of protein and *choline* **deficiency.** 032492
Brain acetylcholine: control by **dietary** *choline.* 032455
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of **phosphatidyl** *choline* in weanling rat liver. 032405

CHONDROCYTES

Analysis of changes in collagen biosynthesis that occur when **chick** *chondrocytes* are grown in 5-bromo-2'-deoxyuridine. 034144
Calcium localized in juxtanuclear granules of **epiphyseal** *chondrocytes* with a dilute glyoxal bis(2-Hydroxyanil) solution[Chick embryos]. 033842

CHONDROITIN

The ubiquitous occurrence of *chondroitin* **sulfates** in chick embryos. 034059
Mobilization of *chondroitin* **sulphate** by nitrilotriacetic acid [Dogs]. 035441

CHONDRUS

Carrageenans in the cell walls of *Chondrus* **crispus** Stack. (Rhodophyceae, Gigartinales). I. Localization with fluorescent antibody [Algae]. 037152
Growth regulators from the **seaweed** *Chondrus* crispus L. (Lyn.) [Algae]. 037044

CHOPPING

Digestibility for swine of fresh, ensiled and **dried** *chopped* maize cobs. 034525
The study of leaking of soil on cucumber field with the application of *chopping* **irrigation.** 041222

CHORIOMENINGITIS

Cortisone-resistant effector T cells in acute **lymphocytic** *choriomeningitis* and Listeria monocytogenes infection of mice. 034999

CHORIOPTES

Comparative susceptibility of the *chorioptic* **mange** mite, northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510

CHORIORETINA

Chorioretinitis and **detached** retina as post-distemper lesions in the canine. 035100

CHORISTONEURA

Sexing large aspen tortrix pupae *[Choristoneura* **conflictana,** Populus tremuloides]. 039409
Esponse of the ovenbird (Aves: Parulidae) to an outbreak of the spruce budworm *[Choristoneura* **fumiferana,** control]. 039386

CHORTHIPPUS

Genetic approach to the acoustic communication system of grasshoppers. I. Song pattern of interspecific hybrids between *Chorthippus* **biguttulus** and Chorthippus mollis. 039829
Genetic approach to the acoustic communication system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between *Chorthippus* **bituttulus** and Chorthippus mollis. 039830
Genetic approach to the acoustic communication system of grasshoppers. I. Song pattern of interspecific hybrids between Chorthippus biguttulus and *Chorthippus* **mollis.** 039829
Genetic approach to the acoustic communication system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and *Chorthippus* **mollis.** 039830

CHORTOICETES

Offshore migration and the collapse of outbreaks of the Australian plague **locust** *(Chortoicetes* terminifera Walk.) in Southeast Australia. 039209
Offshore migration and the collapse of outbreaks of the Australian plague **locust** *(Chortoicetes* terminifera Walk.) in south-east Australia. 039632

CHROMATE

Absorption and metabolism of CrO4 *[chromate* **anion]** by isolated chloroplasts [of spinach]. 037801

CHROMATIN

Significance of triton-extractable membranes for IAA [indoleacetic **acid]**—*chromatin* interactions [Peas]. 037887
Nuclear structures in the ovarioles of the moth Laspeyresiapomonella **sex** *chromatin* in trophocytes. 039931
Determination of genetic sex by **sexual** *chromatine* in nuclei of neutrophyl leucocytes of the peripheral blood in vertebrates. 034807
Poly (G) synthesizing activity in **soluble** *chromatin* isolated from cauliflower inflorescence. 037783

CHROMATOGRAPHY

Affinity *chromatography* in the study of [hog renal] renin. 034121
Purification of Ulex europeus hemagglutinin I by **affinity** *chromatography.* 036759
Double-headed protease inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by **affinity** *chromatography.* 037768
Affinity *chromatography* of phenoloxidase in the larvae of housefly [Musca domestica]. 039613
Chromatographic **analysis** of phytoplankton pigments in the northwest Mediterranean sea and near the Atlantic coast of Morocco. 036999
Automated quantitative analysis of wood carbohydrates by borate complex ion **exchange** *chromatography.* 035904
Gel-chromatographic **fractionation** of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. 036772
Gas *chromatographic* analysis of neodecanoic acids in onions [Desiccants, residues]. 032067
Gas *chromatographic* procedure for the analysis of isohumulone [Hops]. 032860
The determination of saccharin by **gas** *chromatography* after methylation with Diazomethane [Food addtives]. 032924
Gas *chromatographic* method for determining acids in technical sugar juices. 033310
Gas *chromatographic* investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Gas *chromatographic-mass* spectrometric identification of phenylurea herbicides after N-methylation [food chemistry]. 039138
Gas *chromatographic* determination of residues of insecticidal carbamates. 039589
Gas *chromatographic* determination of Stanozolol in veterinary suspensions. 039828
Gas *chromatographic* analysis in soil chemistry. 040595
Gas *chromatographic* analysis in air pollution. 041525
Gas *chromatographic* analysis in water pollution. 041526
Gas *chromatographic* analysis in waste chemistry [Contaminants]. 041527
Analysis of trace quantities of oil [pollution] in water by **gas** *chromatography.* 041563
Optimum conditions for determining individual minor constituents in cane sugar by **gas-liquid** *chromatography* [Analysis]. 033178
Gas-liquid-solid *chromatography:* its application to the study of the essential oils. 032789
Chromatographic **isolation** and spectral analysis of polycyclic quinones application to air pollution analysis. 041520
Thin **layer** *chromatography* identification of calcium- and sodium stearoyllactylate in addition to other emulsifiers in food. 032861
Thin **layer** *chromatography* of 2,4-dinitrophenylhydrazones of carbonyl compounds [in dairy products]. 032989
High pressure **liquid** *chromatography* in food chemistry. 032921
High-pressure **liquid** *chromatographic* analysis for triamcinolone acetonide in rice starch. 033263
Applications of high-pressure **liquid** *chromatography* and field desorption mass spectrometry in studies of natural porphyrins and chlorophyll derivatives. 037032
High-pressure **liquid** *chromatography* of Cannabis. Identification of separated constituents. 037033
Analysis of paraquat formulations by **liquid** *chromatography* [herbicide residues]. 039570
The analysis of paraquat [herbicide] in urine by high-speed **liquid** *chromatography.* 039571
Liquid *chromatographic* analysis in soil chemistry. 040596
Liquid *chromatography* analysis in air pollution. 041529
Liquid *chromatographic* analysis in water pollution. 041530
Liquid *chromatographic* analysis in waste chemistry. 041531
Gel-chromatographic **method** of selective extraction of synthetic dyes from food products. 032151
Chromatographic **methods** in the determination of absolute and relative configurations of fatty acids. 032863
Screening for fatty acids in oilseed breeding programmes using lipase and **paper** *chromatography.* 036564
Paper *chromatographic* analysis in soil chemistry. 040597
Paper *chromatographic* analysis in air pollution. 041532
Paper *chromatographic* analysis in water pollution. 041533

Paper *chromatographic* analysis in waste chemistry. 041534
Isolation of Gonyaulax tamarensis toxins from soft shell clams (Mya arenaria) and a **thin-layer** *chromatographic-fluorometric* method for their detection. 032068
Simple, rapid quantitative determination of lysine and arginine [in wheat flour and rat tissues] by **thin-layer** *chromatography.* 032343
Thin-layer *chromatographic* assays of histamine and its metabolites in urine of man and dog. 034049
Use of color reactions to identify lipid classes [of plant origin], tocopherols including, by **thin-layer** *chromatography.* 037235
Thin-layer *chromatographic* analysis in soil chemistry. 040598
Thin-layer *chromatographic* analysis in air pollution. 041535
Thin-layer *chromatographic* analysis in water pollution. 041536
Thin-layer *chromatographic* analysis in waste chemistry. 041537

CHROMIC

The *chromic* **chloride** method of coupling antigens to erythrocytes: definition of some important parameters [Sheep]. 035119
Rate of passage of *chromic* **oxide** and polyethylene glycol and digestibility in the digestive tract of pigs. 034424

CHROMIUM

National marine fisheries service preliminary survey of selected seafoods for mercury, lead, cadmium, *chromium,* and **arsenic** content [Contamination]. 032070
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the *chromium* **complexes** of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763

CHROMOSOMES

Radiosensitivity aerial bulbils of garlic *[chromosome* **aberrations].** 036367
Root tips of Vicia faba [broadbeans] for the study of the induction of *chromosomal* **aberrations.** 036601
Polyploidization and *chromosomal* **aberrations** induced by mutagens in the open flowering sterile mutants of spring barley. 036706
Chemical induction of *chromosome* **aberrations** in somatic cells of Drosophila melanogaster. 039878
Relation of inbreeding to *chromosomal* **abnormalities** in laboratory mice. 034797
Misdivision of an **Agropyron** *chromosome.* 036411
An in vivo study of the action of type A2 influenza virus on the *chromosomes* of **animal** cells. 034600
Chromosome **associations** at pachytene in the interchange heterozygotes of Sorghum bicolor. 036405
Autosomal *chromosome* translocation of Piebald cattle and Brown cattle. 034612
Breed differences in the length of the **bovine** Y *chromosomes.* 034567
B-chromosomes of **Cnephia** dacotensis and Cnephia ornithophilia (Diptera: Simuliidae). 039659
Chromosome **constitution** in cultured callus cells from four aneuploid lines of the homoeologous group 5 of Triticum aestivum [Wheat]. 036575
Chromosome **counts** and a new combination in Claytonia sect., Limnia (Portulacaceae). 036051
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of recessive lethals in the absence of **detectable** *chromosome* breakage. 039881
Influence of temperature on the detectibility and *chromosomal* **distribution** of specific DNA sequences by in situ hybridisation [Mice]. 034598
Chromosome **distribution** in neuroblast metaphase cells of Locusta migratoria L. 039676
Chromosome **doubling** of barley haploids by nitrous oxide and colchicine treatments. 036406
Genetic analysis of the proximal region of *chromosome* 2 of **Drosophila** melanogaster. I. Detachment products of compound autosomes. 039749
Differences in the rate of mitotic transformation of *chromosomes* in the **endosperm** of some monocotyledonous plants [Irispumila, Lilium davidii, onions]. 036364
Pattern of binding of tritiated actinomycin D to Phaseolus coccineus [scarlet runner beans] polytene chromosomes. II. the **entire** *chromosome* complement. 036492
On nature of y *chromosome* **fragments** induced in Drosophila melanogaster females. III. C (1) RA vs C (1) RM females. 039882
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, **germination,** *chromosome].* 036465
The salivary **gland** *chromosomes* of Telmatoscopus albipunctatus (Williston) (Diptera: Psychodidae). 039670
Association of telomeric regions of salivary **gland** *chromosomes* in "virilis" species of Drosophila. 039756
The frequency of telomeric associations of salivary **gland** *chromosomes* in interspecific hybrids as an autonomous character [Drosophila]. 039767
Polymorphism of *chromosomes* of **inbred** lines and species of populations of rye (Secale cereale L.). 036469
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and **induced** *chromosome* translocations in the male germ cells. 034622
The history of the rat **inscribed** in the *chromosomes.* 034709
Spontaneous male recombination and mutation in **isogenic-derived** *chromosomes* of Drosophila melanogaster. 039853
A comparative study of gamma-ray, fast-neutron and ethyleneimine mutagenic effects on Phaseolus vulgaris **[kidney** *beans]chromosomes.* 036470
High frequency of spontaneous mutations, affecting viability in the *chromosome* II in **LA** strain of Drosophila melanogaster. 039762
The genetic variability of third *chromosomes* in a **local** population of Drosophila melanogaster. 039753
Correlation of differential staining of *chromosome* **locus** and its genetic activity [Drosophila melanogaster]. 039692
Influence of pollinating conditions on the manifestation of the gametophyte locus of the fourth *chromosome* in **maize.** 036679
Meiotic *chromosome* pairing in interspecific hybrids of Nicotiana. I. Comparative pairing of hybrids in section suaveolentes. 036607
Meiotic *chromosome* pairing in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of genotype on pairing. 036608
The mitotic, polytene, and **meiotic** *chromosomes* of Drosophila ananassae. 039854
What **moves** *chromosomes,* microtubules or microfilaments? [Nephrotoma suturalis]. 039638
A **new** *chromosome* number in the Australian species Nicotiana cavicola L. (Burbidge). 036064
Meiotic behaviour of single-arm tetrasomic combinations of isochromosomes, telocentrics and **normal** *chromosomes* in rye (Secale cereale L.). 036416
Chromosome **numbers** in the genus Anthurium. 036264
Chromosome **numbers** of vascular plants from Macaronesia. 036333
A naturally **occurring** *chromosomal* translocation in Myzus persicae (Sulzer). 039833
Pachytene *chromosome* morphology of Solanum nodiflorum Jacq. 036299
Chromosome **pairing** in triploid F1 and hexaploid F1, F2, and F3 generation of Gossypium hirsutum L. X Gossypium sturtianum Willis [Cotton]. 036424
The ultrastructure of the sheep metaphase **plate** *chromosomes.* 034220
Pattern of binding of tritiated actinomycin D to Phaseolus coccineus [scarlet runner beans] **polytene** *chromosomes.* II. the entire chromosome complement. 036492
Comparative study of asynapsis of larvae salivary gland **polytene** *chromosomes* of Drosophila melanogaster, Drosophila simulans and their hybrids. 039757
Polytene *chromosomes* of the sandfly Lutzomyia longipalpis and the cytogenetics of Psychodidae in relation to other Diptera. 039838
Influence of boron on the development of puffs in the **polytene** *chromosomes* of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. 039917
Influence of sodium arsenate on the **polytene** *chromosomes* of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. 039918
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on **polytene** *chromosomes* of Drosophila with transcription in living cells. 039926
Influence of a prolonged thermal influence on the activity of the **polytene** *chromosomes* of the salivary glands of Drosophila melanogaster. 039927
The timing of **pre-meiotic** *chromosome* pairing and duplication in Glossina morsitans morsitans assessed by radiation induced mutations. 039688
Chromosome **puff** activity and protein synthesis in larval salivary glands of Drosophila melanogaster. 039902
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and **radiation-induced** *chromosome* mutations [Onions, broadbeans]. 036667
Chromosome **relationships** in interspecific Avena hybrids, with special reference to hybrids with Avena longiglumis [Oats]. 036576
Variations in the number of the Y *chromosomal* **rRNA** genes in Drosophila Hydei. 039755
Studies on intraindividual and interindividual variation of **rye** *chromosome* pairing in diploid and tetraploid populations. II Individual variation. 036395
Induced somatic pairing in Nigella **sativa** L. *[Chromosomes].* 036459
Localization of mutations in the **second** *chromosome* of the yeast Saccharomyces cerevisiae. 036680
Allozymic and *chromosomal* **similarity** in two Drosophila [setosimentum, Drosophila ochrobasis] species. 039901
Simple *chromosome* banding technique for farm animal investigations. 034613
Role of **single** *chromosomes* of Agropyron glaucum X genone in the inheritance of the physiological basis of winter hardiness. 036526
A case of induced double interchange in rice involving **six** *chromosomes.* 036595
The possibility of the detection of potential damages to the *chromosome* **structure** in seeds of Crepis capillaris and Crepis tectorum. 036694
A modified schedule for **sugarcane** *chromosomes.* 036303
Polymorphism and mosaicism for **supernumerary** *chromosomes* in silver roxes [Fur bearing animals]. 034823
No detectable satellite DNA in **supernumerary** *chromosomes* of the grasshopper Myrmeleotettix [maculatus]. 039886
G-band patterns of **swine** *chromosomes.* 034674
Genetics and breeding of *42-chromosome* **triticale.** II. Relations between chromosomal variability and reproductive characters. 036429
Selection for mating activity in **two** *chromosomal* arrangements of Drosophila pseudoobscura. 039732
Genetics and breeding of 42-chromosome triticale. II. Relations between *chromosomal* **variability** and reproductive characters. 036429
Chromosomal **variation** in calluses induced in Vicia faba [broadbeans] and Allium cepa [onions]. 036574
Chromosomal **variations** in hybrid Trilliums. 036573
The history of all organisms is inscribed in the *chromosomes* **[Wheat].** 036580

CHRYSANTHEMUMS

The genetic variability of the yield components in the Kenyan Pyrethrum *[Chrysanthemum* **cinerariaefolium]** population [Insecticides, plant origin]. 036626
Heat exchange through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for off-season **flowering** of *chrysanthemums].* 037711
The constituents of the stream volatile oil **form** *Chrysanthemum* coronarium L. var. spartiosum Baileg. 037758
Studies on tomato aspermy virus from *Chrysanthemum* **indicum** L. in New Zealand. 038928
The development of the megagametophyte in *Chrysanthemum* **maximum** R. 036281
Weed control and effect of four preemergence herbicides in transplanted Shasta daisy *[Chrysanthemum* **maximum];** progress report. 039122
A new quaternary ammonium compound with plant growth regulatory activity *[Chrysanthemum* **morifolium].** 037693
Foliar element levels of *Chrysanthemum* **[morifolium]** and tomato grown in insolubilized poly(ethylene oxide) amended media. 037734
Production of young *[Chrysanthemum]* **plants** in the greenhouse—economic calculations [Costs]. 031458
Control of garden centipede [Scutigerella immaculata] on greenhouse **spray** *Chrysanthemums;* progress report. 039332

CHRYSOMELIDAE

Ecological-geographical review of the fauna of leaf beetles (Coleoptera, *chrysomelidae)* in **central** Kazakhstan. 040173
Hereditary polymorphism, hereditary monomorphism, and their role in the evolution of coloration in *Chrysomelidae* **(Coleoptera).** 039959
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: *Chrysomelidae)* in **Cuba** [Potato pests]. 039365
Brief notes on the cytology of neotropical Coleoptera. I. Colaspis tricolor **Perty** *(Chrysomelidae:* Eumolpinae: Colaspini). 040087
A review of the leaf beetles of the genus Pachybrachys Redt. (Coleoptera, *Chrysomelidae)* of **Soviet** Central Asia and Kazkhstan. 040065

CHRYSOPA

The wing venation of *Chrysopa* **aspersa** Wesm. (Chrysopidae, Neuroptera) as a model for microevolutionary studies. 039960
The ultrastructure of trophocyte nuclei in the polytrophic ovarioles of *Chrysopa* **(Neuroptera).** 039945

CHRYSOPIDAE

The wing venation of Chrysopa aspersa Wesm. *(Chrysopidae,* **Neuroptera)** as a model for microevolutionary studies. 039960

CHYMOTRYPSIN

Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and *chymotrypsin* **complexes.** 037773
Milk-clabbering and proteinase activity of **modified** *alpha-chymotrypsin* sorbed on anionites. 032946
Double-headed protease inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with **trypsin** and *chymotrypsin.* 037771

CHYTRIDIALES

Aquatic fungi of Scandinavia: some **ornamented** *chytrids* fromsouthern Norway. 036077

CICADAS

The tympanic organ of *Cicada* **orni** L. (Cicadina, Homoptera). A light and electron microscopic investigation. 039954
Laboratory and field evaluation of insecticides for control of **periodical** *cicada* [Magicicada septendecim, in orchards]. 039362
Ovipositional host plants of **17-year** *cicadas* [Magicicada]. 039242

CICADELLIDAE

Genital abnormalities in **adult** *Cicadellidae* (Homoptera). 039702
The Naude species of South **African** *Cicadellidae* (Hemiptnufacture] ry and Deltocephalus Burmeister [New taxa]. 040102
On some Typhlocybinae from India (Auchenorrhyncha, *Cicadellidae)* **[Anaka,** Takama, Mandola, new taxa]. 039997

Notes on the genera Edwardsiana Zachv. And Pithyotettix Rib. (Homoptera, *Cicadellidae)* with **descriptions** of two new species. 039996
A review of the genus Idiocerus Lewis (Homoptera: *Cicadellidae)* in the **Ethiopian** region, with description of eight new species. 040095
Eupatorium cannabinum L. (Compositae) as a host plant of Eupteryx aurata (L.) **(Hemiptera,** *Cicadellidae).* 039213
Afrosteles, a new genus of South African Macrostelini **(Hemiptera:** *Cicadellidae).* 040098
Gyponana (Zerana) secunda, a new species of leafhopper fromPanama and Grand Cayman Island **(Homoptera:** *Cicadellidae).* 040040
Revision of the genera Paraphlepsius Baker and Pendarus Ball (Rhynchota: Homoptera: *Cicadellidae)* [New taxa]. 040114

CICADINA *see* **CICADOIDEA**

CICADOIDEA
The tympanic organ of Cicada orni L. *(Cicadina,* **Homoptera).** A light and electron microscopic investigation. 039954

CICADULINA
Ferritin in insect vectors *[Cicadulina* **mbila]** of the maize streak disease agent electron microscopy and electron microprobe analysis. 038923

CICER
Cyclic nucleotide phosphodiesterase activity in *Cicer* **arietinum.** 036905
Detection and location of seed-borne inoculum of Ascochyta rabiei and its transmission in **chickpea** *(Cicer* arietinum). 038788
Distribution of photosynthates in **chickpeas** *Cicer* arietinumL. 037752

CICHORIUM
Further experimental contributions to using plastic films for bleaching and mulching **chicory** *(Cichorium* intybus L.), variety Variegato di Castelfranco. 038464

CIDER
Membrane treatments of *cider* making and **starch** industry wastewaters. 041466

CIGARETTES
Influence of weather on frogeye leaf spot [Cercospora nicotianae] incidence on *cigarette* **tobacco.** 038696

CILIA
Appearance and disappearance of **multiply** *ciliated* follicular cells during development of the dog's thyroid gland. 033732
Influence of **rumen** *ciliate* protozoa on the concentration of free amino acids in the rumen fluids. 034088
Ultrastructural studies of development and light-dark adaptation of the eye of Coccinella septempunctata L., with particular reference to *ciliary* **structures.** 039940

CIMICIFUGA
Studies on the Chinese crude drug "shoma". III. Triterpene glycosides from *Cimicifuga* **japonica** and structure of 25-anhydrocimigenol arabinoside. 037074

CINCHONA
Occurrence of avicularin in the leaves of *Cinchona* **officinalis** and Cinchona robusta. 036906

CINNABAR
Vegetative history of *Cinnabar* **Park** in Medicine Bow National Forest, Wyoming [as related to soil characteristics]. 040784

CINNAMON
Some methods for pre-planting preparation of **leached** *Meadow-Cinnamon* soil to winter wheat. 041197
Identification of *Cinnamon-Brown* **soils** in Krasnodar Kray. 040826

CINNAMOYL
Natural products from medicinal plants. XX. Scutellarioside-I and -II, a *10-cinnamoyl-and* **10-(4-hydroxycinnamoyl)** from Scutellaria altissima L. 037081

CIRCADIAN
Complementation analysis of **linked** *circadian* clock mutants of Neurospora crassa. 036505
Dynamics of the *circadian* **mitotic** rhythm during formation of Haplopappus gracilis strains during culturing in vitro. 036462
Multiple *circadian* rhythms regulate photoperiodic flowering responses in Chenopodium rubrum. 037673

CIRCUITS
Analog *circuit* of the Acetabularia membrane [Algae]. 037054
Effect of different bathing media on the *short-circuit* **current** across the intestine of the rat and guinea-pig. 033891
Closed-circuit **television** for agriculture. 031401

CIRCULATION
A study of the mode of **lymphocyte** *recirculation* in the dog. 033744
Histamine receptors in the cat **mesenteric** *circulation.* 033893
The effect of certain herbicides used in a maize-field on the **nitrogen** *circulation* of the soil. 039092
The relationship between site condition and *circulation* of **nutrients** in forest ecosystem. III. Above ground biomass and nutrient contents of stands. 036229
Recirculation of **refuse** as cattle feed. 033515
Local regulation of the uterine blood flow by the **umbilical** *circulation* [Sheep, Rabbits]. 034153

CIRCUMFERENCE
Scrotal *circumference* and testicular consistency in beef bulls. 034798

CIRSIUM
Clotting and proteolytic properties of *Cirsium* **arvense** [showing milk coagulating ability]. 032984
Sexual dimorphism in *Cirsium* **arvense** (L.) Scop. 036272
The giant species of *Cirsium* **(Asteraceae)** in southern Ethiopia. 036094
Studies on the components of **Formosan** *Cirsium* species. III. Flavonoids of Cirsium kawakamii hayata and Cirsium wallichii DC. 037028

CISTACEAE
Flowers that have no time *[Cistaceae,* **distribution].** 036044

CITELLUS *see* **SCIURIDAE**

CITIZENSHIP
Improving the performance of *citizens'* **committee** [for forest land management]. 035561

CITRATES
Studies of injected 237Pu(IV) [plutonium isotope] *citrate* in **Beagles** [Dogs]. 033912

CITRIC
Citric **acid**—a versatile food additive. 032803
Fermentative production of *citric* **acid** by Aspergillus niger[yeast]: strain selection and optimum cltural conditions for improved citric acid production. 032867
Citric **acid** uptake by rumen tissue. 033965
Fermentative production of citric acid by Aspergillus niger[yeast]: strain selection and optimum cltural conditions for **improved** *citric* acid production. 032867

CITRULLINE
Ecology of desert plants and observations on their seedlings. IV. Seed germination and seedling growth in *Citrullus* **species.** 036722
Identification of some volatile compounds from *Citrullus* **vulgaris** [Watermelon]. 037806

CITRUS
A cossid [Xyleutes punctifer] **attacking** *citrus* and other fruit trees [West Indies]. 039356
Growth of root-callus tissues of *Citrus* **aurantifolia** [Limes] (Christm.) Swing. in longterm culture. 037753
Fertilizing on a reduced **budget** *[Citrus].* 040896
Cuscuta reflexa—a new host for Aphis **craccivora** *[Citrus].* 039327
Varietal renewal and disease control in *citrus* **culture.** 1. 038401
Varietal renewal and disease control in *citrus* **culture.** 2. 039024
Socioeconomic dimensions of **Florida** *citrus* harvesting labor. 031279
Making better use of frost **forecasts** *[Citrus].* 038970
The use of multipurpose ship's refrigerated spaces for the intransit sterilisation of *citrus* **fruit** to Japan. 033353
Economic advantages of using *citrus* **fruit** peels for feeding [Cattle]. 034362
Research on the physiology of *citrus* **fruit.** 037717
Detachment and shedding of *citrus* **fruit.** 038339
Citrus **fruit** in Israel. 038380
World demand prospects for bananas and *citrus* **fruits,** the effect of prices and income on the growth rate of consumption. 031736
Spectrophotometric determination of vitamin C in *citrus* **fruits** using peri-naphthindan-2,3,4-trione. 032245
On the occurrence of derivatives of hydroxycinnamic acids, hydroxybenzoic acids, and hydroxycounmarins in *citrus* **fruits.** 033486
Studies on the quality of *citrus* **fruits.** III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in Satsuma mandarin oranges. 037757
A circular paper technique for study of microbial growth [Aspergillus niger, Penicillium digitatum, *citrus* **fruits].** 038735
Citrus: **golden** fruit on the menu yields gold. 032629
Seasonal notes for *citrus* **growers.** 038343
Citrus **growing** in Corsica; notes from a study trip. 038381
Imports of *citrus* **juice** in the European Economic Community. 031616
Bitterness prevention in *citrus* **juices:** Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. 033411
Water-vapor transfer from fluttering *[citrus]* **leaves** within a plant canopy. Field observations and laboratory experiments. 037797
Mineral composition of canker, halo and green regions of *citrus* **leaves** infected by Xanthomonas citri. 038862
[Citrus] **liming.** 040897
Copper spray injury and correction of *citrus* **maladies.** 038969
Simple extraction and bioassay of the female sex pheromone of the *citrus* **mealybug,** Planococcus citri. 039315
Morphogenesis in explants of *Citrus* **microcarpa** bunge grown in vitro. 037754
Deep-frozen essential **oils** *[Citrus].* 033363
Consumer's El Dorado amid swaying palms *[Citrus,* **pests** and diseases]. 039076
Thinning technique for densely **planted** *citrus* trees in orchard. 038400
Composition and qualith of commercial orange juices. 1. Bottled orange juices sold in European countries not **producing** *citrus* fruit. 033362
Ageing characteristics of wood of healthy and **sandhill-declined** *Citrus* sinensis [Sweet oranges]. 036290
Iron and manganese status of *citrus* **trees** grown in Egypt inrelation to location, variety, and plant organ. 040906
Ultrastructural observations of yellowish green peels of *Citrus* **unshiu** Marc. 036289
Production—the next five **years** *[Citrus].* 031567

CLADOCERA
Light responses of *Daphnia* **pulex** [Algae]. 037089

CLADONIA
Growth of some caribou lichens of the **genus** *Cladonia* (subgenus Cladina) in a subarctic environment in New Quebec. 037130
Inhibitary effect of Cladonia impexa Harm., *Cladonia* **gracilis** (L.) Willd and Cornicularia muricata (Ach.) Ach. On Pinus sylvestris seeds germination. 037931
Cladonia **metacorallifera** new to Europe. 036078
Cladonia **multiformis** Merr. Found in Japan. 036037

CLADOSPORIUM
Yield response of resistant and susceptible cucumber cultivars to scb infection *[Cladosporium* **cucumerinum].** 038636
Notes on two fungi *[Cladosporium* **oxysporum,** Fusariella obstipa] from pond waters. 036029
Note on occurrence of *Cladosporium* **resinae** [Fungi] in New Zealand jet fuel. 037129
Further studies on the peptido-galactomannan from the yeast form of *Cladosporium* **werneckii.** Identification of O-acetyl substituents and isolation of the peptide components following-beta-elimination. 036783

CLAUSENA
A new carbazole alkaloid and coumarins from roots of *Clausena* **anisata.** 037156

CLAVICEPS
The ergot *[Claviceps]* **alkaids.** 036756
Physiological study of ergot *[Claviceps* **fungi]:** induction of alkalois synthesis by tryptophan at the enzymatic level. 037012
Mechanism of honeydew formation by *claviceps* **species** [on grasses, wheat and rye]. 038584
Sugar composition of ergot honeydews *[Claviceps,* **Sphacelia].** 038586

CLAY
Yielding and plastic flow of sensitive **cemented** *clay.* 040593
Quantitative fabric analysis of **Drammen** *clay* using X-ray diffraction technique [Marine sediment]. 040678
Dispersion of *clays* in **ethanol** solutions. 040760
Mineralogy of *clay* **fractions** in typical Chernozems of Ukrainian forest steppe. 040731
Soil as a system of humus and *clay* **immobilized** enzymes. 040574
A new radiographic method of laboratory strain **measurement** in *clays.* 040581
Clay **mineralogy,** physical, and chemical properties of some soils in arid regions of Iran. 040759
Redox dependence of papain enzyme activity on charged kaolinite surfaces and in solution *[Clay* **minerals].** 040801
Influence of the thermal characteristics of a **moist** *clay* loam soil on the temperature regime at the surface. 040708
Repeated load triaxial testing of a **silty** *clay.* 040588
Disinfection of *clay* **soil** using the injection method [Spraying equipment]. 040499
Changes in the physical properties of **soil** *clays* due to precipitated aluminum and iron hydroxides. I. Swelling and aggregate stability after drying. 040758
Relationship of geomorphology to origin and distribution of a high charge vermiculitic **soil** *clay* [in Michigan]. 040772
Disposition of fertilizer nitrate applied to a **swelling** *clay* soil in the field [Sorghum]. 040997

CLAYTONIA
Chromosome counts and a new combination in *Claytonia* **sect.,** Limnia (Portulacaceae). 036051
Nomenclatural notes on *Claytonia* **spathulata.** 036053

CLEANING
Clean-up **cereal** and milk for determination of residues of organochlorine insecticides. 032080
CLEAN [**Comprehensive** Lake Ecosystem Analyzer], the aquatic model of the eastern deciduous forest biome. 041539
Influence of fertilization and soil management on the occurrence of diseases and pests in an apple orchard. i. Effect of green covered and *clean* **cultivated** soil. 039078
Materials for *cleaning* and **disinfecting** milking machines and udders. 033627
Self-cleaning of **drinking** vessels by feed chains rotating horizontally. 040328
CLEANER [**ecosystem** model]: the Lake George model. 041540
The tillage of a *clean* **fallow** for winter wheat. 038202
Intervals of oil renewal and **filter** *cleaning* when using rotamol MD 302 in the engine JaMZ 238 NB of the K-700 tractor. 040427
Adaptation of [**grain** *cleaning* unit] ZAV-20 for sunflower seeds. 040545
Quality and technical usefulness of wood harvested in the course of **late** *cleaning* [in young forest stands]. 035829
Cleaning, a **measure** preparatory to disinfection in the food sector. 032799
Modern *cleaning* equipment and cleansers for agriculture. 040537
Formula for **obtaining** *clean* mink skins with soft leather. 033110
[Sowing winter wheat] after a *clean* and **planted** fallow. 038211
Cleaning and **sanitizing** meat trailers [Control of microbialcontamination in transport]. 032059
Is *clean* **soil** still possible? [Plant diseases, celery, radishes]. 039072
Automation of *cleaning* **systems** [Milking equipment]. 040463
Cleansing of **wastewater** from the feed preparation area for fur-bearing animals [Pollution]. 041622

CLEARCUTTING
Effects of *clearcutting* [**Quercus**, Carya, Acer rubrum, Pinus] on the diversity of breeding birds. 035477

CLEARINGS
Effects of chemical pretreatments on Ludwigia alternifolia L. ovules prior to immersion in **Herr's** *clearing* fluid. 037244
Separate method of *clearing* **shrubs** from drained lands of the Ukrainian Polesye. 041209
Some experiences with two processing machines [for *clearing* **windthrown** timber]—BM Volvo SM 880 and Logma T 310. 035840

CLEFT
Vulvo-vaginal *cleft* in a dog. 035339

CLEISTOTHECIA
Temperature effects on *cleistothecium* **formation** of cucurbits powdery mildew [Sphaerotheca fuliginea]. 038664
Formation of *cleistothecia* in **Sphaerotheca** mors-uvae [Mildew, currants]. 038819

CLEMATIS
Preliminary investigation of the glycosides of *Clematis* **orientalis.** 036895

CLIMATE
Effect of **abnormal** *climate* on fruit culture. 038396
The effect of fertilizer application to peas grown for grain, in various soil and *climatic* **areas** in Bulgaria. 041033
The change of humid tropical crusts of weathering in the process of soil formation under conditions of moderate **arid** *climate*. 040575
"A comparative study of the correlation between differing techniques for obtaining evaporation data derived for severalareas of the world when applied to **arid** *climates.*" [Water supply]. 041290
Rainfall erosion index of **Bangalore** *agro-climatic* area. 041174
Barn *climate* and animal output. 040315
Cutaneous heat exchanges of piglets reared in a tropical climate. I. Influence of *climatic* **conditions** and influence of the breed. 033748
Plant cultivation in **controlled** *climate* requires investigation. 036953
Leaf conductance and leaf water status of sesame strains in hot, **dry** *climates*. 037392
Solution of phenoprognostic problems by combining phenological curves with the annual temperature **dynamics** *[Climate]*. 031130
The effect of weather and *climate* on the **effectiveness** of fertilizers. 040950
Good **market** *climate* nurtures soy industry growth. 031593
Age-survival curves for workers of two eusocial bees (Apis mellifera and Plebeia droryana) in a **subtropical** *climate*, with notes on worker polyethism in Plebeia droryana. 040242
Cutaneous heat exchanges of piglets reared in a **tropical** *climate*. I. Influence of climatic conditions and influence of the breed. 033748
Factors affecting feeding value of pangola grass (Digitariadecumbens, Stent) in a humid **tropical** *climate* [Goats]. 034291
Relationship of irrigation with cultured cucumber **variety** and with the *climate*. 041221
Climate and **ventilation** in livestock barns. 040316
Annotated bibliography on mushroom culture in countries with **warm** *climates*, 1971-1975. 038450
Data concerning **weather** and *climate*. 031103

CLONE
Parasitic nematodes associated with cultivars and *clones* of **banana** and plantain in Venezuela. 039043
The grape grower and *clone* selection. 038532
Clonal **propagation** of Coffea arabica L. From callus culture. 036959
Present state of works on genetic and **sanitary** *clonal* selection. Method and results, spread of selected material [Grapes]. 036404
Development and crop bearing of larch (Larix decidua Mill.) strains in a *clonal* **seed** orchard in the Miedzylesie forest district. 035687
Behavior of **sugarcane** *clones* (genotypes) under natural and induced environmental stimulus [Genetics]. 036632
Studies on *clonal* selection of **sugarcane** with weed competition [Heredity]. 036635
Studies on *clonal* selection of **sugarcane** at different levels of nitrogen fertilization [Breeding, heredity]. 036636
Effect of *clone* selection **time** on potato yield. 038529
Isolation and characterization of **variant** *clones* of Chinesehamster cells after treatment with irradiated 5-iodouridine. 034757

CLOSTRIDIA
Growth potential of *clostridium* **botulinum** in fresh mushrooms packaged in semipermeable plastic film [Food contamination]. 031948
The incidence of *Clostridium* **botulinum** in farmed trout raised in Great Britain [Food contamination]. 032077
Influence of the z value of *Clostridium* **botulinum** on the accuracy of [canned food] process calculations. 032078
Some observations on a perigo-type inhibition of *Clostridium* **botulinum** in a simplified medium [Food contamination]. 032097
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, Doctor of Medicine], pioneer in the area of prevention of botulism *[Clostridium* **botulinum**];. 032145
Studies on the *Clostridia* **content** of Finnish silage and cow feces [Dairy hygiene]. 033560
Incidence of *Clostridia* as **gas** forming agent in Domiati cheese. 031943
Criteria and procedures for **implicating** *Clostridium* perfringens in food-borne outbreaks. 031978
Food borne illness from *Clostridium* **perfringens**. 031984
Necrotic enteritis in broiler chickens. III. Reproduction of the disease *[Clostridium* **perfringens**]. 035033
The partial purification of *Clostridium* **perfringens** beta toxin [Livestock]. 035177
Enterotoxemia *[Clostridium* **welehii** type D] outbreaks in sheep in Haryana. 035083

CLOSURE
Possible ways of checking the *closure* of **aluminium** containers for meat dishes and sausage products. 033065
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of **valve** *closure* time [Reservoir, water hammer]. 041316

CLOTHING
Construct validity of **Creekmore's** *clothing* questionnaire. 032514
Person and costume: effects on the formation of first **impressions** *[Clothing]*. 032516
Clothing **repairs** [Sewing]. 032518
Aminopeptidases in **webbing** *clothes* moth larvae [Tineola bisselliella. Properties and specificities of the enzymes of intermediate electrophoretic mobility. 039639

CLOVER
Effects of host plant and soil type on the life cycle of Sitona lividipes Fhs. [Pest of *clover*, **alfalfa**]. 039308
Cross-reactive antigens and lectin as determinants of symbiotic specificity in the *Rhizobium-clover* **association.** 036175
During winter grow berseem **[Egyptian** *clover]* in napier bajra [pearlmillet] hybrid. 038125
Effect of sources and levels of phosphorus on the yield and quality of berseem **[Egyptian** *clover]*. 040922
Population trend and time of activity of certain spiders (Araneida), collected from *clover* **foliage** in Egypt. 039262
The response of grass and *grass/clover* to **irrigation.** 041433
Studies on competition between grasses and legume in mixed sward [Dactylis, **Ladino** *clover]*. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243
Clover and **lice** [Anoplura, Mallophaga] in pasture cultivation. 039304
Investigations on the progress of drying of grasses and varieties of *clover* under **limited** time and temperature conditions. 033588
Contents of chlorophylls a and b in chlorophyll-deficient **mutants** of *sweetclover*. 036426
Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii [Mung beans, **red** *clover]*. 037362
The role of respiration in productivity of Trifolium pratense **[red** *clover]* grown in central regions of Komi ASSR. 037376
Observations on the condition of **red** *clover* seeds during storage [Botrytis anthophila, Alternaria tenuis]. 038793
Ultrastructure of Rhizobium-induced infection threads in *clover* **root** hairs. 038853
Control of the clover weevil [Rhynchophora] in the cultivation of *clover* **seed.** 039305
Digestibility and nutritional value of some forages (**white** *clover* hay, ryegrass, carrot-roots and wheat bran) for ponies. 034282
Interaction of lime and seed pelleting on the nodulation and growth of **white** *clover*. II. Oversown trials. 037484
Influence of nematicides on growth of plots of **white** *clover* on a yellow-brown loam. 039040
Magnesium in New Zealand soils. III. Availability of non-exchangeable magnesium to **white** *clover* during exhaustive cropping in a pot trial. 040700

CLUSTER
Effect of time of application of potassium gibberellate on *cluster* **development** of 'Zinfandel' grapes. 038531
Studies on the natural history of Central American butterflies in the **family** *cluster* Satyridae-Brassolidae-Morphidae (Lepidoptera: Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. 040147
Cluster **flies** [Pollenia]. 040084
Developmental studies in Ptychosperma (Palmae). I. The inflorescence and the **flower** *cluster*. 036265
Clustering of **specific** crossovers in maize microsporocytes. 036504
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, *clustered* **village** and radial settlement [History, USSR]. 031180
Formation of the **winter** *cluster* of honeybees. 040300

CNEPHIA
A cytological study of two closely related blackfly species: *Cnephia* **dacotensis** and Cnephia ornithophilia (Diptera: Simuliidae). 039657
B-chromosomes of *Cnephia* **dacotensis** and Cnephia ornithophilia (Diptera: Simuliidae). 039659
A cytological study of two closely related blackfly species: Cnephia dacotensis and *Cnephia* **ornithophilia** (Diptera: Simuliidae). 039657
B-chromosomes of Cnephia dacotensis and *Cnephia* **ornithophilia** (Diptera: Simuliidae). 039659

CNICUS
Lactonic lignans from *Cnicus* **benedictus.** 037167

COAGULATION
Thrombocytes and *coagulation* of **blood** in cows affected by a mixture of nuclear fission products [Radiation injuries]. 035438
Engineering aspects of the *coagulation* of **colloidal** particles in natural waters. 041634
Hypervitaminosis E and *coagulation*. 032422
Clotting and proteolytic properties of Cirsium arvense [showing **milk** *coagulating* ability]. 032984
Quantitative analysis of *coagulation* **process** in aqueous systems: an application of the Coulter Counter technique [Water quality]. 041319
Clotting and **proteolytic** properties of Cirsium arvense [showing milk coagulating ability]. 032984
Contribution to the problem of whey utilization: general considerations and experiments on the incorporation of whey proteins in the **rennet** *coagulum*. 033033

COAL
Usefulness of [poplar] cuttings in the biological management of *coal* mine **dumps** [Afforestation]. 035691
Effect of *coal* **fertilizer** and Thomas phosphate in manuring rice. 040978

COATS
The *coat* **defect** metallic [Fur animals, genetics]. 034847
The length and diameter of the *coat* **fibres** of the Musk ox. 033096

COBALT
Comparisons of ground and whole shelled corn, roughage supplements and potassium and *cobalt* **additions** in finishing beef steers. 034440
Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) *[cobalt* and **cesium** isotopes] on the economic qualities of alfalfa. 038138
Copper and *cobalt* **content** of grassland. 040888
The energy spectrum of a relatively large kilocurie 60Co *[cobalt* **isotope]** source used in agriculture. 031087
Effect of seed irradiation (60Co) *[cobalt* **isotope]** on the development of coloring substances and total surface of tomato leaves. 037618
Effect of pre-sowing gamma irradiation (60Co) *[cobalt* **isotope]** on yield development of earliest red radish (Raphanus sativus sub. var. radicula). 038226
The effect of ionizing radiation CO60 *[cobalt* **isotope]** on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402

Metabolism of A *cobalt* 58 **[isotope]-tagged** vitamin B12 in normal and fasting albino rats. 032494
On the relationship between activity of rumen microbes and *cobalt* **level** in the culture medium [Goats]. 034089
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with **manganese** and *cobalt*. 036502
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of *cobalt* **micronutrient** fertilizers [Barley chloroplasts]. 037416
On the forms of *cobalt* in **soils.** 040845

COBS *see* CORNCOBS

COCCIDAE
Review of the cottony grass scales of the genus eriopeltis sign. (Homoptera, Coccoidea, *Coccidae)* of the **Palaearctic** [New taxa]. 040057

COCCIDIA
Immune responses to infections with *coccidia* [of **Eimeria** acervulina] in chickens: gut hypersensitivity. 035181
Amino acids of proteins of oocysts in some species of *Coccidia* from **hens.** 035184

COCCIDIOSIS
Enzyme variation in Eimeria species of the **chicken** *[Coccidiosis].* 035178
Transferred drug-resistance in Eimeria maxima [cause of **chicken** *coccidiosis].* 035183

COCCINELLA
Ultrastructural studies of development and light-dark adaptation of the eye of *Coccinella* **septempunctata** L., with particular reference to ciliary structures. 039940

COCCINELLIDAE
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: *Coccinellidae)* **[Biological** control of pests of date palms]. 039333
Larvae of Novius cruentatus (Mulsant) **(Coleoptera,** *Coccinellidae).* 040008
On ecological and zoogeographical characteristics of beetles of the **family** *Coccinellidae* (Coleoptera) on the left-bank (eastern) Ukraine. 040071
The quinolizidine alkaloids **[Plants,** *Coccinellidae].* 036750

COCCOIDEA
Review of the cottony grass scales of the genus eriopeltis sign. (Homoptera, *Coccoidea,* **Coccidae)** of the Palaearctic [New taxa]. 040057
Revision of the genus Heliococcus Sulc (Homoptera, *Coccoidea)* in the **Soviet** fauna. II. 040073

COCCOMYCES
Resistance of hybrid seedlings of cherry to coccomycosis *[Coccomyces* **hiemalis].** 038809

COCHLIOBOLUS
Fungicidal control of secondary air-borne infection of brown leaf spot of rice *[Cochliobolus* **miyabeanus].** 038652
The epidemiology of common root rot *[Cochliobolus* **sativus[** in Manitou wheat. III. Development of lesions on subcrown internodes and the effect of added phosphate. 038587

COCHLIOMYIA
Chemosterilization of screwworms *[Cochliomyia* **hominivorax]** (Diptera: Calliphoridae): influence of age at time of treatment on sterility and longevity. 039475
Screwworm flies *[Cochliomyia* **hominivorax]** for sterle-male relase: laboratory tests of the quality of candidate strains. 039487

COCKERELS
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, plasma protein and cholesterol concentration in White Leghorn and **Australorp** *cockerels.* 033978
Changes in the biological effectiveness of androgens after the exposure of *cockerels* to **lindane.** 035451
Comb or wattle size of 10 weeks **old** *cockerels* as an indicator of sexual maturity in selection for egg production. 034568

COCKROACHES
Ultraviolet-induced changes in cuticular waxes of **American** *cockroaches,* Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). 039669
Estimation of glucose in the haemolymph of the **American** *cockroach,* Periplaneta americana. 039680
A new genus and three new species of *cockroaches* **(Blattaria:** Dictyoptera) from Africa [Princisaria carvalhoi, Princisaria ugandana, Princisaria curta]. 040168
Control of various functions by various juvenile hormones in the *cockroach* **Nauphoeta** cinerea. 039908
Influence of carbon dioxide narcosis and cold immobilization on the ovarian growth of the *cockroach* **Nauphoeta** cinerea. 039909
Analysis and control of the projection of ocellar information in the brain of *cockroaches* **[Periplaneta** americana, Blabera fusca]. 039650
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the *cockroach* **[Periplaneta** americana] maxillary palp as revealed by freeze fracturing. 039673
An electrophysiological analysis of extra-axonal sodium and potassium concentrations in the central nervous system of the *cockroach* **(Periplaneta** americana L.). 039844
Activity of neurosecretory cells in relation to ovarian cycle of the **viviparous** *cockroach* Nauphoeta cinerea (Olivier). 039800

COCKS
In vitro release of gonadotropins from the pituitary of *cocks* by an **analogue** of luteinizing hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Comparison of free amino acids in blood serum of men and animals. 1. Man, rat, mouse, *cock* **[chickens].** 034239
Comparison of neutral proteinase activities in *cock* and **ram** spermatozoa and observations on a proacrosin in cock spermatozoa. 034681
Induction of morphological changes and the effect of induced changes on the fertilizing capacity of *cock* **spermatozoa.** 034650
Comparison of neutral proteinase activities in cock and ram spermatozoa and observations on a proacrosin in *cock* **spermatozoa.** 034681

COCKSFOOT *see* ORCHARDGRASS

COCOA
Use of *cocoa* **butter** in confectionery. 032777
The influence of nutrition on the chemical properties of some tropical plantation crop products [Hevea, oilpalm, *cocoa,* **fertilization].** 040974
Residual effects of phosphorus and potassium fertilizers on **shaded** *cocoa* (Theobroma cacao L.) in Ghana. 040968

COCONUTS
Proximate chemical composition of agricultural fibrous materials [Abaca, sugarcane, *coconuts,* and **bananas].** 032819
Studies on the efffect of some commonly used insecticdes against *coconut* **black-headed** caterpillar [Nephantis serinopa Meyr]. 039326
A possible phytotoxic effect of copper on **dwarf** *coconut* palms [during control of Phytophthora]. 039061
Early results of a comparison between a nitrogen-rich and a potassium-rich fertilizer in **dwarf** *coconut* palms. 041101
Yield improvement of *coconut* in **elevated** inland area of Davao (Philippines) by KCl [potassium chloride] fertilization. 041023
Changes in *coconut* **lipids** during desiccation. 037781
Studies on mulching in *coconut* **nursery.** 040908
Land preparation of Imperata savannah or grass pastures [which is to be planted in oil **palm** or *coconut].* 038091

COCOONS
Testing the influence of centrifuging silkworm eggs on some biological characters and technological qualities of silkwork (Bombyx **mori** L.) *cocoons.* 040312

CODING
Application of **computer** *codes* to phase-change problems in food engineering. 032738
Genes *coding* for the structure of the acid phosphatases in Saccharomyces cerevisiae. 036589
Coding **origin** of isoaccepting tRNA in yeast [Saccharomyces cerevisiae] mitochondria. 036824

COELOMOMYCES
Natural infection of Aedes (Stegomyia) herbrideus by a *Coelomomyces* **[finlayae]** in New Hebrides. 039443
Variants of artificial infection of Culex modestus larvae with the entomopathogenic **fungus** *Coelomomyces* iliensis. 039895

COENOMYIIDAE
Definition of *Coenomyiidae* **(Diptera).** I. Diagnoses of the family. 040141
Definition of *Coenomyiidae* **(Diptera).** II. Genera of the family. 040142
Definition of *Coenomyiidae* **(Diptera).** II. Genera excluded from the family. 040143

COENZYMES
Alkylation of *coenzymes* and the **acute** effects of alkylating hepatotoxins [Animals]. 035409
Fat metabolism in higher plants. The function of acyl thioesterases in the metabolism of *acyl-coenzymes* A and **acyl-acyl** carrier proteins. 036782

COFFEE
Clonal propagation of *Coffea* **arabica** L. From callus culture. 036959
Better coffee farming. Control of *coffee* **berry** disease (CBD) [Colletotrichum coffeanum] and leaf rust. 038739
The effect of weather conditions on infection by *coffee* **berry** disease [Colletotrichum coffeanum]. 038740
Chemical weed control in *coffee* **chicory** and endive. 039186
Vegetative-floral balance in *coffee.* III. **Effect** of thinning of blossom on set and bean size. 038548
Better *coffee* **farming.** 038549
Better *coffee* **farming.** Control of coffee berry disease (CBD) [Colletotrichum coffeanum] and leaf rust. 038739
A study of the coffee market in France in relation to **Indian** *coffee.* 031659
The brown sugar and *coffee* **industries** [Productive capacity, outlook, Colombia]. 031914
Negotiations of a new **international** *coffee* agreement. 031887
Composition of soil and *coffee* **leaves** on plantations under varying copper fungicide spraying regimes. 038823
A study of the *coffee* **market** in France in relation to Indian coffee. 031659
Apomixis in *coffee* **[Parthenogenesis].** 036551
The use of *coffee* **processing** waste as animal feed [Calves]. 034372
Laboratory studies with antifeeding compounds against larvae of Ascotis selenaria **reciprocaria** on *coffee.* 039240
Some physiological differences in arabica and **robusta** *coffee* plants grown in normal soil. 036982
Male sterility in diploid **species** of *coffee.* 036552
Variability in *coffee.* II. **Studies** on flower number in species. 036553

COGNAC
Mechanization of the grape harvest in the *Cognac* **area.** 040528

COHESION
The construction of profile embankments [for rice irrigation] from **overmoistened** *cohesive* earth in the conditions of the Maritime territory. 041267

COIX
Comparative biochemical study of maize and its wild relatives (Enchlaena, **Tripsacum,** *Coix).* 037567

COLA
The effect of development of podzolic soils on the *Kola* **Peninsula** on their nitrogen regime and biological activity. 040563

COLCHICINE
Results of experiments in treating the corms of saffron [Crocus sativus] with *colchicine* **[Genetics,** fertility]. 036713
A *colchicine* **induced** diploid from a haploid soybean twin. 036568
Effect of *colchicine,* **maleic** hydrazide, caffeine & theobromine on cell division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Polyploidy and mutations induced in apricot by *colchicine* **treatment.** 036412
Chromosome doubling of barley haploids by nitrous oxide and *colchicine* **treatments.** 036406
"+ *colchicine"* **[Varieties].** 038269

COLD
Effect of *cold* **acclimation** on changes in blood metabolites induced by high-fat diet. 032381
The future of the *cold* **chain** system from the viewpoint of supply-demand relations of world food. 031559
Changes in the metabolism of the shivering hind leg of the young ox during several days of **continous** *cold* exposure. 034158
Hormonal regulation of morphogenesis and *cold-resistance.* II. **Effect** of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
Figures comparing the use of plastic and residue problems in the cultivation of cornsalad under *cold* **glass.** 038513
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and *cold* **growth** chambers. 037200
Influence of carbon dioxide narcosis and *cold* **immobilization** on the ovarian growth of the cockroach Nauphoeta cinerea. 039909
Cold-sensitive **mutants** of Drosophila melanogaster defectivein ribosome assembly. 039747
A cool collection of *cold* **platters.** 032626
The mitotic activity of germinating seeds of barley varieties differing in their *cold* **resistance.** 036371
The distribution of calcium in bovine spermatozoa and seminal plasma in relation to *cold* **shock.** 034696
Studies of the freezing of green plantains (Musca paradisiaca). IV. Effect of *cold* **storage** on the quality of frozen sliced green plantains. 033418
Enzyme activity in soils at *subzero* **temperatures.** 040796
Changes in isoperoxidases during *cold* **treatment** of dormant pear embryo. 037810
Effects of *cold* **treatments** on the sprout growth of three potato varieties. 037761
The rationale of massive-dose vitamin therapy (megavitamin therapy: hot fictions **vs** *cold* facts). 032324
Cold **water** soaking process for the storage of chestnuts. 033427

COLE
Extractable protein from the by-product vegetation of some *cole* and **root** crops. 033325

COLEOPHORA
Contribution to the study of Coleophoridae. VII. A new Coleophora species from southern Spain. First classes and the male of Coleophora nitidipennella Toll ' Amsel, 1967. The male of *Coleophora* **coarctataephaga** Toll, 1961. (Lepidoptera, Coleophoridae). 040155

COLEOPHORIDAE
Contribution to the study of Coleophoridae. VII. A new Coleophora species from southern Spain. First classes and the male of Coleophora nitidipennella Toll ' Amsel, 1967. The male of Coleophora coarctataephaga Toll, 1961. **(Lepidoptera,** *Coleophoridae).* 040155

COLEOPTERA
On the ovipositor of Platambus maculatus L. (1758) (Insecta, *Coleoptera,* **Adephaga).** 039962
Dorcatoma serra Pz. *(Coleoptera,* **Anobiidae):** a notable addition to the Suffolk list. 040018
Food relations of weevils of the subfamily **Apioninae** *(coleoptera,* Curculionidae) with trees and bushes. 039214
An additional new Stenus [(Parastenus) praedictus] from **Australia** *(Coleoptera,* Staphylinidae): 100th contribution to the knowledge of Steninae. 040080
Beetles *(Coleoptera)* from nests of small mammals of Donetsk province. 040068
Ecological-geographical review of the fauna of leaf **beetles** *(Coleoptera,* chrysomelidae) in central Kazakhstan. 040173
Silpha carinata Herbst—a remarkable re-discovery in the **British** *Coleoptera.* 040061
Field experiments on the control of the bean weevil (Acanthoscelides obtectus Say, *Coleoptera,* **Bruchidae)** by the release of sterile adults. 037798
Acid and alkaline phosphatase activity in relation to egg-laying and aging in Callosobruchus analis (Fab.) *(Coleoptera:* **Bruchidae).** 039658
The larvae of the British genera of **Cantharidae** *(Coleoptera).* 040094
Laboratory studies on the life cycle of Pterostichus melanarius (Illig.) *(Coleoptera:* **Carabidae).** 039947
Stridulation by Carabus irregularis Fabr. *(Coleoptera,* **Carabidae).** 039961
Contribution to the study of the genus Amara Bon. *(Coleoptera,* **Carabidae)** [New taxa]. 040006
A melanic specimen of Harpalus (Ophonus) schaubergerianus Puel (rufibarbis auctt.) *(Coleoptera,* **Carabidae)** from Suffolk. 040009
Taxonomic review of genus Nebria Latr. *(Coleoptera,* **Carabidae)** from Siberia and Far East of the USSR [New taxa]. 040060
An appraisal of the technique of pitfall trapping for epigeic communities of **carabids** *(Coleoptera,* Carabidae) in several selected forest habitats. 039867
Candidates for the biological control of Solanum elaeagnifolium Cav. (Solanaceae) in South Africa. 1. Laboratory studies on the biology of Gratiana lutescens (Boh.) and Gratiana pallidula (Boh.) *(Coleoptera:* **Cassididae).** 039139
Pests of the grapevine: The exceptional damage caused in the Piedmont region by Vesperus strepens F. *(Coleoptera,* **Cerambycidae].** 039340
Life history and ecology of Criocephalus rusticus (L.) **(Cerambycidae,** *Coleoptera).* 039870
Two new species of longicorn beetles [Xylotrechus arnoldii, Asias galusoi] *(Coleoptera,* **Cerambycidae)** from Kazakhstan. 040077
Hereditary polymorphism, hereditary monomorphism, and their role in the evolution of coloration in **Chrysomelidae** *(Coleoptera).* 039959
A review of the leaf beetles of the genus Pachybrachys Redt. *(Coleoptera,* **Chrysomelidae)** of Soviet Central Asia and Kazkhstan. 040065
Wing venation of **click-beetles** *(Coleoptera,* Elateridae) and its importance for taxonomy of the family. 040180
Larvae of Novius cruentatus (Mulsant) *(Coleoptera,* **Coccinellidae).** 040008
On ecological and zoogeographical characteristics of beetles of the family **Coccinellidae** *(Coleoptera)* on the left-bank (eastern) Ukraine. 040071
Some additions to the *Coleoptera* of **Cornwall.** 040030
Acrotrichis plantonoffi renkonen (Coleoptera, Ptiliidae) and Caenoscelis subdeplanata bris. *(Coleoptera,* **Cryptophagidae)** from the Birmingham area. 040012
Coenoscelis subdeplanata Bris. *(Coleoptera,* **Cryptophagidae)** in Birmingham. 040015
Reaction of sweet potato varieties to the damage of the weevil, Cylas formicarius (Fab.) *(Coleoptera:* **Curculionidae)** and on the possibility of picking up of infestation by weevil. 039351
A new weevil of the genus Dorytomus [kerzhneri] Germ. *(Coleoptera,* **Curculionidae)** from the USSR. 040064
A review of the weevils of the tribe **Cyphicerini** *(Coleoptera,* Curculionidae) in the USSR. 040066
Effects of high temperature and soil moisture on survival of first-instar larvae of the scarab Anoplognathus porosus **(Dalman)** *(Coleoptera).* 039820
The *Coleoptera* of the **Ehime** University Forest. II. Researches on the insect-fauna of Komenono University Forest. 5. 039999
A new machine and method for bulk treatment of pulses with grain protectants against pulse beetle Callosobruchus maculatus **fab.** *(Bruchidae-Coleoptera).* 039250
Palembus Casey a senior synonym of Martianus **Fairmaire** *(Coleoptera,* Tenebrionidae). 040026
A new species of Smicraulax [piercei] from Mexico, with key to species of the **genus** *(Coleoptera:* Curculionidae). 040037
Revision of the genus Astraeus Laporte & **Gory** *(Coleoptera:* Buprestidae) [New taxa]. 040149
The morphology of the dorsal and ventral eye of the whirligig beetle Gyrinus substriatus (Steph.) *(Coleoptera,* **Gyrinidae).** 039953
Larval diagnosis of the tribe Stenolophini and notes on theclassification of the subfamily **Harpalinae** *(Coleoptera,* Carabidae) [New taxa]. 039979
Effect of the age of Tribolium castaneum **Herbst** *(Coleoptera:* Tenebrionidae) on the rate of egg laying and fecundity [Flour pests]. 039426
Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. *(Coleoptera,* **Histeridae)**—exterminators of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408
Descriptions of three new **Histeridae** *(Coleoptera)* from the tropics [Hypocacculus (Nessus) asiaticus, Hypobletus togoensis, Epitoxasia onthophila]. 039993
Calling chirps in Tropisternus natator (D'Orchymont) and Tropistermus lateralis nimbatus (Say) *(Coleoptera:* **Hydrophilidae).** 039708
Study of Lepidoptera-, *Coleoptera-* and **Hymenoptera** borers. II. 039212
The ultrastructure of the adult abdominal cuticle of Tenebrio molitor L. **(Insecta:** *Coleoptera).* 039939
Olfactory sensilla and systematics of Lamellicornia **(Insecta,** *Coleoptera).* 039949
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. **iranensis** *(Coleoptera:* Coccinellidae) [Biological control of pests of date palms]. 039333
Studies on Scolytidae. XIII. Twenty-one new species of Cryphalini from **Japan** *(Coleoptera).* 040001
Pest infestation *[Coleoptera,* **Lepidoptera]** in stored mushroom. 039434
Coleoptera from **Les** Ecrehous (Channel Islands). 040016
Remarks on the biology and control of Hylecoetus dermestoides L. *(Coleoptera,* **Lymexylonidae)** against the background of observations made during 1953-1973 in the Rogow Experiment Forest of the Agricultural University in Warsaw. 039393
34th contribution to the knowledge of Neotropical **Malachiidae** *(Coleoptera)* [Lemphus, new taxa]. 040117
The oviposition and development of the grain beetle Oryzaephilus mercator faur. on dry fruit **meals** *(Coleoptera,* Cuciyidae]. 039422
Phloeoxena newtoni new species, and notes on Phloeoxena nigricollis Ball and Phloeoxena geniculata Chaudoir from **Mexico** *(Coleoptera:* Carabidae: Lebiini). 040042
Brief notes on the cytology of **neotropical** *Coleoptera.* I. Colaspis tricolor Perty (Chrysomelidae: Eumolpinae: Colaspini). 040087
Acrotrichis plantonoffi **renkonen** *(Coleoptera,* Ptiliidae) and Caenoscelis subdeplanata bris. (Coleoptera, Cryptophagidae) from the Birmingham area. 040012
Beetles of the family **rhipiphoridae** *(Coleoptera)* from the fauna of the USSR I. [New taxa]. 040048
New **Scarabaeidae** *(Coleoptera)* from Asia [Aphodius, Onthophagus]. 039995
Ipsenol, the population control material for silver fir bark beetle [Pityokteines curvidens, *Coleoptera,* **Scolytidae].** 039404
Revision of the New World genera of the tribe Omicrini trib. Nov. of the hydrophilid subfamily **Sphaeridiinae** *(Coleoptera).* 040146
Gene amplification in oocytes of the rove beetle Creophilusmaxillosus **(Staphylinidae,** *Coleoptera-Polyphaga).* 039739
Quedius plancus Er. *(Coleoptera,* **Staphylinidae)** in west Sussex. 040027
Materials on the biology of xylophile **staphylinids** *(Coleoptera,* Staphylinidae) from the southern part of Maritime Territory [USSR]. 039714
Tychius flavicollis **Stephens** *(Coleoptera,* Curculionidae) in Cumbria. 040035
A new species of the genus Blaps [balashovi] Fabr. *(Coleoptera,* **Tenebrionidae)** from Turkmenia. 040063
Some peculiarities of the trophic relationship between wireworms Prosternon **tessellatum** *(Coleoptera,* Elateridae) and the fox-coloured sawfly Neodiprion sertifer. 039976
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma **undecimlineata** *(Coleoptera:* Chrysomelidae) in Cuba [Potato pests]. 039365
Wiltshire *Coleoptera,* with particlar reference to Limobius borealis (Payk.) (Curculionidae), and a record from Gloucestershire. 040036

COLEOPTILES
Characterization of the phytochrome-containing particles obtained by glutaraldehyde prefixation of **maize** *coleoptiles.* 037477
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] *coleoptiles* in **relation** to tropic stimuli and curvatures. 037348
Biochemical and cytological studies of mitochondrial development in chloramphenicol-induced **rice** *coleoptiles.* 037360
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and growth in Avena [oats] *coleoptile* **segments.** 037612
Kinetics of auxin transport in light and in dark grown Zea mays L. *coleoptile* **segments.** 037613

COLEOSPORIUM
Needle rust of Pinus thunbergii caused by *Coleosporium* **xanthoxyli** Dietel et P. Sydow. 038736

COLIFORMS *see* ESCHERICHIA

COLLAGEN
Analysis of changes in *collagen* **biosynthesis** that occur when chick chondrocytes are grown in 5-bromo-2'-deoxyuridine. 034144
Effect of various proteinase preparations on the *collagen* of the **calf** dermis [Depilation of raw hides]. 033042
Isolation and characterization of type III *collagen* from **chick** skin. 033920
Scanning electron microscopic visualization of *collagen* **fibers** in embryonic chick skin. 033877
Biosynthesis of basement **membrane** *collagen* by rabbit corneal endothelium in vitro. 034037
Fibril formation in solutions of **solubilized** *collagen* [of cattle skin]. 033824
Studies on *collagen* **synthesis** in the mature dermal scar in the guinea pig. 034208

COLLECTIONS
A new 7-day spore sampler [for *collection* of **airborne** pathogenic fungi]. 038760
Three suction-type spore samplers [for *collection* of **airborne** pathogenic fungi]. 038775
Sampling design, *collection* and **anlaysis** of watershed soil samples for water resources management. 041321
Stingless bees (excl. Tetragonula) from the continental Southeast Asia in the *collection* of **Berince** P. Bishop Museum, Honolulu (Hymenoptera, Apidae). 040107
A **cool** *collection* of cold platters. 032626
Water quality **data** *collection* programs: Environment Canada. 041337
Habitat preference of tabanid flies [Tabanidae] in Hokkaido based upon the *collection* of **female** adults. 040105
Who designed the Schmitt Box? **[Insect** *collections].* 039652
Notes on a *collection* of **mammal-fleas** from New Hampshire. 039453
The Lockset method of sequential programming applied to **milk** *collection.* 031723
On a *collection* of **Odonata** from Manipur, India. 040041
Provancher's *collections* of insects, particularly those of Hymenoptera, and a study of the types of his species of Ichneumonidae. 040127
Survey of the regional Gossypium hirsutum L. Primitive **race** *collection* for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. 036391
Radula *collection* made by Dr. H. Inoue in Ceylon. 036040
Collection **records** of the project "Mosquitoes of Middle America". 3. Bahama Islands (BAH), Cayman Islands (CAY), Cuba (CUB), Haiti (HAC, HAR, HAT) and Lesser Antilles (LAR). 040121
A **second** *collection* of Psilotum nudum from Texas [Pteridophyta]. 035943
Seedfall studies in red spruce [Picea rubens, **seed** *collection].* 035643
Equipment for **total** *collection* of feces from lambs during suckling or fattening and for ewes. 040453
Three oriental Opiinae (Hymenoptera, Braconidae) from the **Townes** *Collection* [New taxa]. 040162
New Noctuidae from the **Vartian** *Collection* (Vienna). I. (Lepidoptera, Noctuinae) [Austria]. 040156

COLLECTIVES
Prerequisites and principles for the gradual adjustment of farm regulations *[Collectives,* **East** Germany]. 031339
Flow line management of labor in the postharvest processing of grain [on *collective* **farms].** 031397
Economic effectiveness of concentration of viticulture on *collective* **farms** [Costs, returns]. 031504
Collective **forage** cultivation—an alternative to expansion of farming. 031354
Livestock associations for *collective* **sanitary** protection. 034877
Agrochemical services for the *collective* and **state** farms of Belorussia [Fertilizers]. 040986
Collective **terms** for feed ingredients [Association of American Feed Control Officials]. 033562

COLLECTORS
Cryptogamae exsiccatae, an annotated bibliography of Exsiccatae of Algae, LIchenes, Hepaticae, and Musci. V. Unpublished **exsiccatae.** I. *Collectors.* 035925
Determining basic parameters of **logs** *collectors* [before floating]. 035795

COLLEMBOLA
Soil forming function of *Collembola* and **Acarina.** 040710
Tullbergia duboscqi **Denis** *(Collembola,* Omychiuridae) from Kent. 040032
Resistance of different life forms of *Collembola* against **dryness.** 039974
Collembola from the **East** Pamirs. II. The family Isotomidae [New taxa]. 040049
Soil insects *[Collembola]* as **indicators** of use patterns in recreation areas. 035563

Collembola and other **microarthropods** of forest and meadow regions of the Terskei Ala-Too at the lower limit of the spruce ocurrence. 039966

COLLETIDAE

A revision of the Australian hylaeine bees (Hymenoptera: *Colletidae).* I. **Introductory** material and the genera Heterapoides Sandhouse, Gephyrobylaeus Michener, Hyleoides Smith, Pharobylaeus Michener, Hemirhiza Michener, AmphylaeusMichener and Meroglossa Smith [New taxa]. 039990

A revision of the Australian hylaeine bees (Hymenoptera: *Colletidae).* I. **Introductory** material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, Amphylaeus Michener and Meroglossa Smith [New taxa]. 039991

COLLETOTRICHUM

Effect of antibiotics & fungicides on endogenous mycelial respiration & growth of Rhizoctonia solani Kuhn. & *Colletotrichum* **capsici** (Syd.) Butler & Bisby. 038640

Better coffee farming. Control of coffee berry disease (CBD) *[Colletotrichum* **coffeanum]** and leaf rust. 038739

The effect of weather conditions on infection by coffee berry disease *[Colletotrichum* **coffeanum].** 038740

Two types of conidia of *Colletotrichum* **graminicola** (Ces.) G. W. Wils. formed on artificial media, and their pathogenicity [to maize]. 038574

Criteria for evaluation of resistance to maize anthracnose *[Colletotrichum* **graminicola].** 038765

Resistance to anthracnose *[Colletotrichum* **lindemuthianum]** of introduced and local specimens of garden bean varieties under the Sofia region conditions. 038633

Changes in amino acids, carbohydrates and capsaicin content of red fruits of chillies infected with *Colletotrichum* **piperatum.** 038676

In vitro production of toxic metabolite by different **species** of *Colletotrichum.* 038656

Anthracnose of arhar [pigeon peas] incited by *Colletotrichum* **truncatum.** 038673

COLLOIDS

Engineering aspects of the coagulation of *colloidal* **particles** in natural waters. 041634

Control of binder migration in nonwovens—use of anionically dispersed binders and cationic quaternary amines *[Colloidal* **stability** of latexes]. 032914

COLON

Amino acid transport by the **helicoidal** *colon* of the new-born pig. 033785

Protein absorption and ammonia production: the effects of dietary protein and **removal** of the *colon.* 032185

COLONIES

Change in numerical strength of the **bee** *colony.* IV. Interplay of laying activity of the queen and the emergence rate and longevity of workers (Apis mellifera L.). 040292

How we ensured a pollination service [using **honeybee** *colonies]* in Opava. 040303

Influence of biological factors on the development of **honeybee** *colonies.* 040304

Protection of **honeybee** *colonies* from pests. 040306

Reproduction of **honeybees** *colonies* in Siberia. 040275

Residues of the insecticides carbaryl and monocrotophos in honeybee [Apis **mellifera]** *colonies.* 039567

Effect of moving honeybee [Apis mellifera] *colonies* on their **subsequent** production and consumption of honey. 040244

Response of femoral and **vertebral** *colony-forming* units to 226Ra [radium isotope] internal contamination in mice [Toxicity]. 035434

COLONIZATION

[Plant] *colonization* of the **Discovery** Bay sand dunes. 036210

Regular elongated strip fields and **Frankish** *colonization:* an investigation of their relations in the western areas of the Upper Rhine and in other German districts [Land, history]. 031185

Swiss colonists in East Prussia from 1710 to 1730 as an example of colonizing peasants [History, **land** *colonization].* 031057

Problem of the formation and age of radial villages in eastern Lower Saxony **[Land** *colonization,* history, Slavs]. 031183

Swiss colonists in East Prussia from 1710 to 1730 as an example of *colonizing* **peasants** [History, land colonization]. 031057

Transpiration in seven plant **species** *colonizing* a fishpond shore. 036830

COLOR

L.). B. Flower color and flower color pigmentation in the spontaneous and **artificial** *color* sports Azalea indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. 037788

Structure of versiol, a new metabolite from **Aspergillus** *versicolor* [Fungi]. 037299

Ranch facilities planning. **Basic** *color* reasoning. 5. [Chinchilas]. 033619

Effect of variety and harvest date on tuber sugars and **chip** *color* [Potatoes]. 033324

Hereditary polymorphism, hereditary monomorphism, and their role in the evolution of *coloration* in **Chrysomelidae** (Coleoptera). 039959

Plants for **fall** *color* [Horticultural varieties]. 038260

On the genetics of **flower** *colours* in diploid and tetraploid genotypes of Begonia semperflorens Link et Otto. 036720

L.). B. **Flower** *color* and flower color pigmentation in the spontaneous and artificial color sports Azalea indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. 037788

Anthocyanin, flavonol copigments, and pH [hydrogen-ion concentration] responsible for larkspur **flower** *color* [Consolida ambigua; Delphinium ajacis]. 037802

Method of measuring the *color* of **frankfurter-type** sausage. 033059

The effect of lactic acid [as a preservative] on the bacterial flora and the *color* of **fresh** meat. 033072

A new Pestalotiopsis *[versicolor]* **fruit** rot of Achras sapota from India. 038670

The interaction of structural and regulatory genes controlling the *color* of the **grains** of millet (Panicum miliaceum L.). I. Inheritance of the yellow and red colors of the grain. 036692

Use of Ough's method to determine proline in light and **highly** *colored* fruit juices and their concentrates [Adulteration]. 032132

Chloroplast fluorescence of C4 [carbon] plants. I. Detection with **infrared** *color* film. 037206

The use of *color* **infrared** photography for the determination of suspended sediment concentrations and source areas [Watersheds]. 041396

Color **inheritance** in Sokol sheep. 034814

Adsorption of the *colouring* **matters** of sugar factory juice on calcium carbonate. 033218

Is ethephon the answer for *color* and **maturity** in apples? 038520

Muscle pigment and **meat** *color.* 033060

Genetic parameters estimated on data from the Swedish pig progeny testing with special emphasis on **meat** *colour.* 034827

Pale *coloration* in Aphis fabae reared on beans treated withthe plant growth regulator, ethylene-bis-nitrourethane. 039837

Colors and **pigments:** introduction [Plants]. 036795

Effects of R1, a gene for red **plant** *color,* on American Pima cotton. 036427

Use of *color* **reactions** to identify lipid classes [of plant origin], tocopherols including, by thin-layer chromatography. 037235

The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and **red** *colors* of the grain. 036692

Fluorescence measurements and pH [hydrogen-ion concentration] sensitivity as predictors of *color* **removal** in process [Sugarcane sugar]. 033172

Relationship between **root** *color* and economically valuable traits in tetraploid hybrids between sugar and mangel-wurzel beets. 036468

Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the *fox-coloured* **sawfly** Neodiprion sertifer. 039976

Chromosome associations at pachytene in the interchange heterozygotes of **Sorghum** *bicolor.* 036405

Effects of water stress on the ultrastructure of leaf cells of **Sorghum** *bicolor.* 037520

Effect of seed irradiation (60Co) [cobalt isotope] on the development of *coloring* **substances** and total surface of tomato leaves. 037618

Use of male-sterile 1 gene to eliminate detasseling in production of hybrid seed of *bicolor* **sweet** corn. 036572

On the *colour* **vision** of Tabanidae (Diptera). 039972

COLORANTS

Betalaines as natural **food** *colorants.* 032809

COLORIMETRIC

A *colorimetric* **estimation** of [Panax] ginseng saponins. 037187

Evaluation of lysine content in [barley and wheat] breeding material by the *colorimetric* **method.** 037572

The *colorimetric* **method** of determining the herbicide picloram [residues] in the soil. 039523

A **new** *colorimetric* method of determination of O,O-dimethyl 2,2-dichlorovinyl phosphate in insecticidal preparations. 039579

Turbidimetry and *colorimetry* in the **sulfur** content determination of plants compared with the gravimetry method [Hay, maize, Abies]. 037324

COLOSTRUM

Bactericidal and haemolytic activity of complement in **bovine** *colostrum* and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). 034986

Changes in the whey protein fraction in mastitis milk, *colostrum* and **drying** off secretions. 032053

Complement-binding activity of immunoglobulins of sera of blood and **ewe** *colostrum* infected with sheep abortion virus. 035202

Isolation and physico-chemical characterization of bovine serum and *colostral* **immunoglobulin** G (IgG) subclasses. 033924

Neutralizing antibodies of *colostral* **origin** in calves born of mothers vaccinated against foot-and-mouth disease. 035021

The role of immune **pig** *colostrum,* serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. 035064

COMBINES

The harvesting of mustard with **grain** *combines.* 040548

About the [experiment of] harvesting **grapes** with a *combine.* 038522

Work organization using the *combine* C-12 in **harvesting** maize. 040527

The MSK-1 cabbage **harvesting** *combine.* 040543

Physicochemical properties of black liquors from sulfate cooking of different species of wood from the forest base of the Tavdinskii **Paper-Pulp** *Combine.* 035816

Modification of a self-propelled **plot** *combine* for harvesting hill plots of soybeans. 040462

Harvesting of maize with self **propelled** *combine* C-12 equiped with devices for spadixes and grains. 040519

Mounting, dismounting and storing the equipment for gathering maize spadixes with the **self-propelled** *combine* C-12. 040521

Calculation of the requirements in transport facilities for **serving** *combines.* 040546

COMBUSTION

Bark *combustion* plant at Folla Fabrikker. 035841

Combustion of **bark** for flash drying plants. 035842

COMMENSALISM

Intestinal parasites and *commensal* **protozoa** in foodhandlers from the central area of the city of Concepcion, Chile [Food sanitation]. 031970

COMMERCE

The potential of crop residues as *commercial* **animal** feed. 033543

Commercial **banks** financing agriculture. 031448

Role of *commercial* **banks** in financing agriculture. 031464

Heat resistance of ileal loop reactive Bacillus cereus strains isolated from *commercially* **canned** food. 031949

Cooling and freezing times and weight losses of meat under U.k. [United Kindgom] *commercial* **conditions.** 033047

Study on enterococci in *commercial* **cow's** and ewe's milk [Contamination]. 032159

Results of studies on the sexual maturity of female cattle from the *commercial* **crossing** of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837

Compression strength adjustments for moisture in *commercial* **Douglas-fir** [Pseudotsuga menziesii] plywood. 035744

Commercial **egg** production costs and returns. 031416

Appraisal of credit worthiness of *emergent-commercial* **farmers** in developing agriculture. 031413

Commercial **feed** drying systems for processing & utilizing waste as feed. 033537

Forest products as *commercial* **feed.** 033539

Is there a risk with *commercial* **feed** [for honey bees?]. 040296

Poultry waste in a *commercial* **feeding** operation [Beef cattle, dairy cattle]. 034379

Commercial **fertilizer.** I. Nitrogen fertilizer. 041105

Root rot and stem decay **following** *commercial* thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471

Quantitative analysis of dammarane type saponins of Panax and its application to the evaluation of the *commercial* **ginseng** tea and ginseng extract. 032869

Heat exchange through blackcloth and blackcloth substitutes [for the use in *commercial* **greenhouses** to shorten the day length for off-season flowering of chrysanthemums]. 037711

Amino acid and protein evaluation of *commercially* **grown** opaque-2 and normal corns. Two year summary. 033570

Views of a *commercial* **hog** producer. 034740

Factors affecting the quality of [sawn timber] finger joints manufactured in *commercial* **jointing** machines. 035845

A survey on the quality of Indian fish **meal** of *commerce.* 033512

Composition and qualith of *commercial* **orange** juices. 1. Bottled orange juices sold in European countries not producing citrus fruit. 033362

The behaviour of porcine cytomegalovirus in *commercial* **pig** herds. 035114

The value of crossbred boars in the *commercial* **production** of swine. 034739

Commercial **production** of VTSC [virus tested stem cutting] seed potatoes]. 038877

Effect of various technological procedures on the feeding properties of extracted sunflower meal and other *commercial* **products.** 034306

The bacteriological composition of some *commercial* **starters** used for Gouda cheese manufacturing [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. 033030

Agroindustrial characteristics of some *commercial* **[sugarcane]** varieties. I. 037979

Commercial **swine** production in the Soviet Union. 031892

Mating of sows during lactation: observations from a *commercial* **unit.** 034560

COMMODITIES

Committee on Commodity Problems, fiftieth session; Rome, 13-24 October 1975. Recent developments in the world **agricultural** *commodity* situation and outlook [Marketing]. 031563

27th annual International Conference on Handling Perishable **Agricultural** *Commodities* "a challenge to the railroads" [Transportation]. 031674

Destination inspection out-turn in view of the 1974 Conference [on Handling Perishable **Agricultural** *Commodities].* 032060

Origin inspecting and reporting [of perishable **agricultural** *commodities].* 032063

Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, fungal flora on **agricultural** *commodities*, feedstuffs]. 032114
Keynote address: Twenty-sixth International Conference on Handling Perishable **Agricultural** *Commodities*. 032841
Pest control and storage problems in **feed** *commodities* in tropical and subtropical countries. 039431
Commodity **hedging** in lumber and plywood [future]. 035743
Commodity **markets.** 2. Localities and futures [London, agricultural products, trade, prices]. 031554
Committee on *Commodity* **Problems,** fiftieth session; Rome, 13-24 October 1975. Recent developments in the world agricultural commodity situation and outlook [Marketing]. 031563
Committee on *Commodity* **Problems,** Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. 031564
Committee on *Commodity* **Problems,** Intergovernmental Group on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. 031565
Committee on *Commodity* **Problems** Consultative Sub-committee on Surplus Disposal. Summary record, 216th meeting, 13 January 1976, 10:00 a.m. 031566
Committee on *Commodity* **Problems,** Intergovernmental Group on Jute, Kenaf and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. 031756
Committee on *Commodity* **Problems.** Report of the ninth session of the Intergovernmental Group on Hard Fibres; Rome, 30 June-4 July 1975 [Situation studies]. 031799
Committee on *Commodity* **Problems,** Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. 031979
Committee on *Commodity* **Problems,** Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. 031980
History of honey [Apiculture, **production,** as a *commodity]*. 040233

COMMUNES

Studies on soil fungi. VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, **Penicillium** *commune]*. 036031
An inherited "neoplasm" in a fungus [**Schizophyllum** *commune]*. 036622
An attack of **Schizophyllum** *commune* Fr. On young plants of white poplar [Populus alba]. 038594

COMMUNICATION

Genetic approach to the **acoustic** *communication* system of grasshoppers. I. Song pattern of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. 039829
Genetic approach to the **acoustic** *communication* system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and Chorthippus mollis. 039830
Honeybee [Apis mellifera] *communication.* I. 040186
Communicating with **employees;** giving directions and orders that get results, part 2. 032573
How to *communicate.* 032590
Improved *communication* can bring rural change [in India]. 031043
Insect *communication*—chemical. 039781
Modular *communications* system (MCS): an outpatient bilingual nutrition education program for a neighborhood health clinic. 032297
Mating behavior in halictine bees (Hymenoptera: Halictidae). III. Copulatory behavior and **olfactory** *communication.* 039815
Creating and updating [food] **package** *communication.* 031592
Arboreta: *communicate* or **perish** [Education]. 038391
Modern plant protection as a **problem** of *communication.* 039079
Communications **relating** to the 1973-1974 agricultural season. II. The 1974 grape growing season and situation of French viticulture. 031769

COMMUNISM

[Resolution of] the Central Committee of the *Communist* **Party** of the Soviet Union and USSR Council of Ministers [about the increase of production and procurements of fiber ry of initial processing]. 031894

COMMUNITIES

How and why revise the *community* **agricultural** policy. 031777
The historical ecology of Lakenheath Warren in Suffolk, England. A case study [Plant and **animal** *communities]*. 036179
Foliage **arthropod** *communities* of crop and fallow fields. 036240
Evaluation of the agricultural policy of the [European Economic] *Community.* 1. 031864
Evaluation of the agricultural policy of the [European Economic] *Community.* 2. 031865
1973 agricultural income accounts of European **Economic** *Community* member countries. 031475
The EEC [European **Economic** *Community]* generalised system of preferences; with special reference to Latin America [International trade relations]. 031572
Regulation of the agricultural market in the European **Economic** *Community.* 031573
EEC [European **Economic** *Community]* food imports from the Third World and international responsibility in agricultural policy. 031577
Importance of the European **Economic** *Community* market for Austrian agriculture. 031594
Imports of citrus juice in the European **Economic** *Community.* 031616
Basic and purchase prices for fruit and vegetables for the 1975/76 fiscal year [European **Economic** *Community]*. 031651
The swine market in the European **Economic** *Community.* 031717
EEC [European **Economic** *Community]* forecasts: possible danger of beef deficit. 031811
The future of the European **Economic** *Community* agrarian policy. 031822
"Stock taking" of the milk policy [European **Economic** *Community]*. 031896
The present method of classification of pork sides in the EEC [European **Economic** *Community]*. 032007
Proposed European **Economic** *Community* flour-types and their baking behavior. 033233
The paper sector in the European **Economic** *Community* and the European Free Trade Association. I. Pulps for paper [Trade and economic aspects, Europe, United States,. 035720
Chemical fertilizers in the European **Economic** *Community* [Italy]. 040861
Development of production, foreign trade and consumption of chemical fertilizers. Situation in the world, the European **Economic** *Community* and Belgium. 041071
The mountain and the conservation of nature in the programs of the European **Economic** *Community.* 041480
An appraisal of the technique of pitfall trapping for **epigeic** *communities* of carabids (Coleoptera, Carabidae) in several selected forest habitats. 039867
Policy on grape growing and wine production in the **EuropeanEconomic** *Community* [Legislation]. 031786
Malnutrition in early childhood and some of its consequences for the **individual** and the *community.* 032365
Ecological specialization of Hawaiian drosophila. II. The *community* **matrix,** ecological complementation, and phyletic species packing. 039891
Successions of microorganisms of the overground vegetative mass in **meadow** *communities.* 036184
Use of gamma-irradiation of soil for an analysis of the composition of **microbial** *communities.* 040689
Formation of the regeneration structure in several *communities* of a **natural** forest. 036232
Are *community* **nutrition** programs meeting the needs of the elderly? 032371
Are *community* **nutrition** programs meeting the needs of the elderly? 032684
Biodegradation of litter in Eucalyptus **pauciflora** *communities.* I. Techniques for comparing the effects of fungi and insects. 036248
Agapa, USSR [**Plant** *community,* soils]. 036188
Barrow, Alaska, USA [**Plant** *community].* 036190
Maria Pronchitsheva Bay, USSR [**Plant** *community].* 036196
Mt. Patscherkofel, Austria [**Plant** *community].* 036198
Vegetation of Mount Iide [**Plant** *communities].* 036206
Plant *community* age as a measure of sensitivity of ecosystems to disturbance. 036227
Transformation of meadow and **plant** *communities* within the last few decades as an index of changes in natural and agricultural conditions [in Poland]. 036255
[Meadow] **plant** *communities* in the Tysmienica river valley before and after regulation of water conditions. 036257
Study of a model of the two component **plant** *community.* 036258
The interaction of plants in **plant** *communities* during root feeding [**trees, grasses,** mineral nutrition]. 037003
Family-community **resource** linkage [Rural sociology]. 031127
Land utilization and its economic contribution to the **rural** *communities.* 031227
Ecology and hydrogeological role of feathergrass [Lasiagrostis splendens] *communities* in the **sandy** deserts of the northern Aral region. 036250
The Prairie [rural] *community* **system.** 031028
Glenamoy, Ireland [**Vegetation** *community].* 036192
South Georgia, Subantarctic [**Vegetation** *community].* 036200
Stordalen (Abisko), Sweden [**Vegetation** *community].* 036201
Weed *communities* in the north Slovakian mountain area. 036209

COMPACTION

Compacting **loess** soils in the USSR. 040585
Soil *compaction* by impact. 040589
Some applications of the vibro-replacement process [**Soil** *compaction].* 040590
Deep breaking up of *compacted* **soils,** affected by successive surplus and shortage of rain water. 041192

COMPENSATION

Suggestions on the development of forms of [labor] *compensation* according to **performance.** 031342

COMPOSITAE

Formation and development of spermia in some angiosperms. I. Poaceae (Gramineae). II. **Asteraceae** *(Compositae).* 036285
Insects on flowers of Inula **crithmoides** L. *(Compositae).* 036003
Simple to scalariform combination perforation plates in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. **Forst** *(compositae)* [Wood anatomy]. 035777
Eupatorium cannabinum L. *(Compositae)* as a **host** plant of Eupteryx aurata (L.) (Hemiptera, Cicadellidae). 039213

COMPOSITE

Persistence of the glandless genotype in a *composite* **cross** of Upland cotton on the Texas High Plains. 036436
Recovering more fibre with *composite* **plywood.** 035715
Tie-up keeping of nursng sows on *composite* **solid** and gratingg flooring. 033650
Registration of Oklahoma **triticale** *composite* 1 germplasm. 036453

COMPOST

The **combined** *composting* of waste straw and sewage sludge. 041130
Use of **garbage** *compost* in grape culture. 041092
Annotated bibliography on the use of bark in growing **media,** 1963-1974 *[Composts].* 041060
Mycoflora in **mushroom** *compost.* 037756
Characteristics of quality in refuse, garbage and sewage **sludge** *composts.* 041129

COMPRESSION

Results and experiences in the use of *compressed* **air** udder stimulation at the Dedelow Dairy [Milk production, East Germany]. 033672
An improved **edgewise** *compression* test for linerboard [Corrugated fiberboard, containers]. 035877
Press for granulation GM-500 [**Feed** *compressing* equipment]. 040532
Some observations on **soil** *compression* below pneumatic tires. 040556
Compression **strength** adjustments for moisture in commercial Douglas-fir [Pseudotsuga menziesii] plywood. 035744
Homogeneous and layered sand in **triaxial** *compression* [in natural soils]. 040587
On *compression* of **water** quality data. 041313

COMPUTERS

Computer-aided **advice** for more effectiveness of irrigation. 041244
CAIN-on-line [Catalog and Indexing] services at the University of Arizona [**Agricultural** *computer* systems]. 031004
On the operations of the *computer* **center** [Forest management]. 035577
Procedural innovations in revisionary studies: *computer-assisted* **citation** of representative specimens [Use in plant taxonomy]. 036054
Application of *computer* **codes** to phase-change problems in food engineering. 032738
Data processing with a process **control** *computer* in experiments related to non-pulsating milking systems. 033613
Computers in **dietetics:** state-of-the-art, 1976. 032346
Use of **electron** *computers* to plan livestock inventories, production, costs and proceeds in industrial swine production facilities. 031381
Use of **electronic** *computers* for determining cell numbers in milk tank samples [Mastitis control]. 035273
A program for studying the optimum plot size in field experiments on the *computer* [**Field** crops, statistical analysis]. 037952
A *computer-tallied* **menu** system. 032616
A *computer-based* **method** of examining students in farm management. 031280
Programs for the management of egg laying chickens by *computer* [**Production** planning]. 031258
"Dietan"—a *computer-assisted* **program** on anatomy and nutrition. 032347
Computer **simulation** of ice cream freezing. 032949
Abisko II: A *computer* **simulation** model of carbon flux in tundra ecosystems. 036187
Computer **simulation** of firefly [Photinus, macdermotti] flash sequences. 039860
Development of a *computerized* **system** for processing data obtained from nutrition questionnaires. 032468
Trials and tribulations in operating an automatic stream-quality sensing network [**Water,** *computers].* 041334

CONCANAVALIN

Photoaffinity labeling of concanavalin A [from jackbeans]: preparation of a *concanavalin* A **derivative** with reduced valence. 037473
Cellular energy dependent agglutination of rat ascites tumor cells mediated by *concanavalin* A and **Ricinus** communis agglutinin. 036809

CONCENTRATES

Use of Ough's method to determine proline in light and highly colored fruit juices and their *concentrates* [**Adulteration].** 032132
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, time spent ruminating and rumen fermentation with varying **amounts** of *concentrates.* 034332
Carbohydrate *concentrates* as an essential additive for cows on sown pastures. 034508

Tax exempt **feed** *concentrates* during a critical period do not cost the government a coin [Costs, dairy cattle]. 031479
Feed *concentrates* as meal, grain, or pellets for laying hens? 034433
Concentrate **feeds** for livestock in Trinidad and Tobago: an economic view of developments since 1960. 033518
Economy and saving of *concentrates* with **hot** air drying of green feeds. 033586
Minimum *concentrate* feeding for efficient milk production [Dairy cattle]. 034458
Preparation of protein isolates and *concentrates* by **physico** chemical methods. Industrial procedures applied to soybean. 033296
Beneficial effect of zinc supplementation in young rats fed **protein** *concentrate* from rapeseed or mustard. 032404
Femur zinc, magnesium, and calcium in rats fed Tower rapeseed (Brassica napus) **protein** *concentrate.* 032410
New techniques for preparation of improved sunflower **protein** *concentrates.* 033207
The value of meat and bone meal as the major **protein** *concentrate* in the diet of weaners and fattening pigs in the tropics. 034377
The effect of the level of *concentrates* in the **ration** on milk yield and composition in buffaloes. 034268
The production of aggregates from **roughage** and *concentrates.* 033504

CONCRETE

Concrete **partitions** and enclosures [Horticulture]. 040390
Concrete with **wooden** particles. 035762

CONDENSED

Different effects of polylysine and polyarginine on the transition to a *condensed* **state** of DNA in polyethyleneglycol/salt solution [Calves]. 033792

CONDITIONING

Air *conditioning* of young swine cages. 040314
Energy and economic problems of **air** *conditioning* in plants for industrialized fattening. 040318
Optimun **air** *conditioning* in animal production plants. 040324
Automatic **air** *conditioning* in swine houses. 040377
The effect of lesions of the dorsomedial thalamic nucleus on **alimentary** *conditioned* reflexes and food intake in dogs. 033723
Full *air-conditioning* of **animal** houses some basic aspects. 040376
Nutritionally *conditioned* virulence of Pythium butleri and susceptibility of tomato in causing damping-off. 038842
Bud opening and **overnight** *conditioning* of Gypsophila 'Bristol Fairy' [Plant regulators]. 037710
Machinery and technologies applied in flax **seed** *conditioning* in order to eliminate Lolium remotum seeds. 040520
Effects of elevated **temperature** *conditioning* on youthful and mature beef carcasses. 033088

CONDUCTIVITY

Sugar laboratory problems. V. New table for corrections of readings of *conductometric* **ashes** obtained on the Buse-Todt-Gollnow universal rafinometer [Sugar analysis]. 033193
Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired **atrioventricular** *conductance* and negative inotropic and chronotropic effects. 034116
Axonal *conduction* in insects. 039774
On the compatibility of the **electric** *conductivity* in the California Mastitis Test for the detection of abnormal milk. 032103
Improving thermal and **electrical** *conductivity* of cotton fabrics by chemical plating. 033174
Certain problems of measuring **electrical** *conductivity* of wines. 033473
Laboratory apparatus for *conducting* **experiments** on investigation of plant objects in a regulated gas environment. 037279
On the delay of **intraventricular** *conduction* in the race horse—discussion of its pathogenesis and causes. 035300
Leaf *conductance* and leaf water status of sesame strains in hot, dry climates. 037392
Membrane potential and *conductance* **measurements** in mouse and rat pancreatic acinar cells. 033955
Specific *conductance* identifies perched and ground water lakes. 041436
On the **thermal** *conductivity* of plant products. 032750
Thermal *conductivity* measurements of food products by the heated thermocouple method. 032760
The determination of the utmost permissable densities of electric current in wines when using *conductometric* **transducers.** 033476

CONDUITS

A laboratory evaluation of trash racks for drop inlets [to prevent plugging of *closed-conduit* **spillways** that release waer from floodwater-retarding resevoirs]. 040539

CONES

Embryogenesis and *cone* **growth** in Cryptomeria japonica. 037902

CONFECTIONERY

Use of cocoa **butter** in *confectionery.* 032777
Chemical and microbial changes in **dehulled** *confectionery* sunflower kernels during storage under controlled conditions. 033271
Confectionery **ingredients.** 6. Lipids. 032774
Soy proteins in *confectionery* **products.** 032775

CONFINEMENT

Betalains [Cell sap **pigments** *confined* to Centrospermae]. 036792
Relative costs of wall construction for underfloor manure-storage tanks [for a *confinement* **swine** unit]. 040370

CONGENITAL

The effect of 5-formyltetrahydrofolic acid on **pyrimethamineinduced** *congenital* abnormalities in the rat. 035370
Congenital **tremor** of baby pigs—a current problem of large-scale swine husbandry. 035378

CONIDIOPHORES

The development of *conidiophores* of **Erysiphe** graminis DC. f. Sp. hordei Marchal [on barley leaves] as observed by scanning electron microscope. 038846

CONIDIUM

Weather conditions and **airborne** *conidia* of Helminthosporiumoryzae in west Bengal [Brown spot disease, rice]. 038667
Influence of microelements in a sporulation medium on subsequent water requirements for germination of Verticillium **albo-atrum** *conidia.* 038694
Biology of *conidia,* **ascospores,** and microsclerotia of Calonectria crotalariae in soil [Black rot, papayas, Metrosideros collina, Acacia koa]. 038763
Thermal inactivation of *conidia* from **Aspergillus** flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
Two types of *conidia* of **Colletotrichum** graminicola (Ces.) G. W. Wils. formed on artificial media, and their pathogenicity [to maize]. 038574
Synthesis of polyadenylic acid-containing ribonucleic acid during the germination of Neurospora **crassa** *conidia* [Fungi]. 037015
Conidia in the **foam** of two English streams [Aquatic fungi]. 036153
Studies of life-mode of Cercospora sequoiae Ell. Et Ev. In a warm district of Japan. V. *Conidial* **production** at different temperatures [Cryptomeria japonica]. 038737
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV **[ultraviolet]-irradiated** *conidia* in buffer. 036674

CONIFERAE

A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from *coniferous* [**Abies** nephrolepis and Picea ajanensis] forests of the Far East of the USSR. 039049
On the history of the **dark** *coniferous* forests of Georgia [Paleobotany, USSR]. 036142
Tentative determination of price for *coniferous* **medium-sized** wood for the production of lumber and industrial chips. 035873
Vascular plants of **montane** *coniferous* forest in San Bernardino Mountains, California. 036059
Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, **pests,** *Coniferae].* 039408
Selecting peat for **rearing** *coniferous* container seedlings. 035644
Appraisal of the growth and development of young plantations and thickets originating from the reconstruction of *coniferous* **stands** in the Upper Silesia and Cracow industrial regions. 035619

CONIFERS

Key to 100 **dwarf** *conifers.* 035989
A Southwestern **mixed** *conifer* plantation—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. 035692
Phenoxy herbicide residues in cowberries and **mushrooms** *[Conifers].* 039142
New pesticides as a means to improve the productiviness of **ornamental** *conifers* [Pratylenchus penetrans, Chamaecyparis lawsoniana columnaris, namatodes]. 039034

CONIOPTERYGIDAE

Coniopterygidae from **South** Africa (Neuroptera) [New taxa]. 040130

CONSCIOUSNESS

Renal blood flow distribution during steady-state exercise and exhaustion in *conscious* **dogs.** 034021
Peasant co-operation, *consciousness* and **solidarity.** 031276

CONSERVATION

[Soil] *conservation* **blossoms** on 'flower farm' [Erosion]. 041206
Butterfly *conservation:* the right way, the wrong way, the government way. 039806
Forestry and wildlife conservation in the temperate zone. 1. General characteristics of forests and wildlife habitats and **considerations** for their *conservation.* 035521
Our Little Paradise *[Conservation* **education].** 041202
Conservation of **eggs** of Graphosoma lineatum L. Bug by the method of deep freezing and their possible use to destroy eggs of harmful corn bugs. 039302
Emergency *conservation* measures [Programs]. 031790
Energy *conservation* for greenhouses. 040352
Energy *conservation* on the home grounds: the role of naturalistic landscaping. 041498
The prospects of using aerial survey for the purpose of [land] reclamation and *conservation* of **environment.** 041156
Control of land salinization and *conservation* of the **environment** [Irrigation]. 041255
The role of forestry in **environmental** *conservation* and areal development. 035546
The forest is not only a wood **factory** *[Conservation].* 035603
No interventions in the tropical rain **forest** *[Conservation].* 035569
A youth project with a big **heart** *[Conservation].* 041660
A fishing trip **'hooks'** into *conservation.* 041659
A comparison of *conservation* **methods** from the points of view of plant cultivation, conservation techniques and nutritional physiology. 1. The effects of conservation on quality, losses, and variation in nutritive value. 034331
A comparison of *conservation* **methods** from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
Moisture *conservation* in feed grain. 033513
Nature *conservation* in woodland management. 035522
The mountain and the *conservation* of **nature** in the programs of the European Economic Community. 041480
Nature *conservation* and questions of hunting organization improvement. 041598
5-nitrofuryl acrylic acid, a **new** *conserving* agent in vinification. 033435
Nature requires an act of humility on our part [National **parks,** *conservation].* 033730
Conservation **plant** materials make good on 'moonscape' [Openpit mining, soil reclamation]. 041199
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 1. The effects of *conservation* on **quality,** losses, and variation in nutritive value. 034331
Forests and/or pastures? [Ecological equilibrium, *conservation,* **reforestation].** 035458
Energy and **resource** *conservation* needed report of the American Society of Hospital Food ServiceAdministrators' eighth annual meeting. 032649
Rio Bianco, a miraculously intact beauty spot [Natural **resources,** *conservation].* 041478
Study of geologic and environmental conditions of the "Rupi" in Ancona [Natural **resources,** *conservation].* 041484
Some *conservation* **schemes** of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the fur trade [Beaver and other fur-bearers]. 041612
Fallow land increment and other phenomena of extensification **[Soil** *conservation,* Switzerland]. 041158
Soil *conservation* [Research projets, Italy]. 041164
Defining the sediment trapping characteristics of a vegetative buffer. Special case: road erosion [**Soil** *conservation].* 041176
A 'snow' job for Utah youth **[Soil** *conservation].* 041198
Student trainees in SCS [**Soil** *Conservation* Service]. 041204
Title X funds in Archuleta County [Colorado, **soil** *conservation* programs]. 041205
A comparison of conservation methods from the points of view of plant cultivation, *conservation* **techniques** and nutritional physiology. 1. The effects of conservation on quality, losses, and variation in nutritive value. 034331
A comparison of conservation methods from the points of view of plant cultivation, *conservation* **techniques** and nutritional physiology. 2. Roughage consumption, time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
The Thier guarry, a site to **urgently** *conserve* in Vielsalm [Plant ecology]. 036236
Water *conservation* and waterfowl in north eastern Australia. 041288
Forestry and **wildlife** *conservation* in the temperate zone. 1. General characteristics of forests and wildlife habitats and considerations for their conservation. 035521
Woodland *conservation* in eastern England: comparing the effects of changes in three study areas snce 1946. [Forest management]. 035526

CONSUMERS

Consumer **acceptance** of waste recycling. 031650
Evaluating sea mussels in the *consumer* **area** on the basis of food regulations [Seafood]. 031999
Outlook for **building** *consumer* acceptance for cultured [dairy] products. 031544
Consumerism and **consumer** protection. 032034
Consumers' **cultured** [dairy] products. 032955
Consumer's El **Dorado** amid swaying palms [Citrus, pests and diseases]. 039076
Marketing problems with *consumer* **eggs** [Austria]. 031517
Behavior and requirements of the *consumer* for **eggs** in Belgium. 031560
Consumer **evaluation** of apricots and a new apricot product. 032234
Self-generated safety assurance dictated by S. 641 [the Staff Working Draft of the *Consumer* **Food** Act of 1975]. 032022

Intellectual convictions of "health" **food** *consumers.* 032379
Metrication and the *consumer* [**Food** preparation]. 032403
Convenience plus versatility match **growing** *consumer* interest in home baking. 032235
Convenience plus versatility match **growing** *consumer* interest in home baking. 032624
Vegetables and fruits in the *consumers* **index.** 1. 031738
Metrication and the *consumer.* 032641
Food design and *consumer* **needs.** 032040
Food design and *consumer* **needs** (toward the development of international super-foods). 032041
Food design and *consumer* **needs.** 032042
Food design and *consumer* **needs** (Latin America and the Caribbean). 032043
Is the *consumer* an **over-protected** species? [Food]. 032125
Acceptability of grass fed beef [Feeding, *consumer* **preference**]. 034436
Improving cooperation with the trade [Meat marketing, *consumer* **preferences**]. 031686
New sciences spring up to create food "miracles" [Processing, *consumer* **preferences**]. 032919
Consumerism and *consumer* **protection.** 032034
Consumer **response** to trends in food design. 031649

CONSUMPTION

Model of elasticities of demand and *consumption* of **agricultural** products in Juiz de Fora, Minas Gerais. 031582
Animal *consumption* of cereals in 1974-1975. 034463
Production, distribution and *consumption* of **broilers** in Japan. 1. 031548
Development of production, foreign trade and *consumption* of **chemical** fertilizers. Situation in the world, the European Economic Community and Belgium. 041071
Cereals as feed [**Composition,** *consumption].* 033498
Food supply is today, one of the vital problems of the Italian society [Agricultural products, *consumption,* **distribution,** statistics]. 031531
Results on **feed** *consumption* and nutrient requirement in intensive bull fattening as obtained in fattening test stations. 034324
Calorie requirements and **feed** *consumption* [Fur animals]. 034357
Problems of economizing in **feed** *consumption.* 034429
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of growth and **feed** *consumption;* clinical remarks; anatomico-pathological. 035402
Food *consumption* surveys: a data source for contamination-monitoring programmes. 032230
Dietetic habits and **food** *consumptions* by aged people in Piedmont; individual analysis. 032390
Nutritional review [**Food** *consumption].* 032394
Feeding studies with broilers fed wheat rich in crude protein. 1. Experimental procedure, weight gains, **food** *consumption* and food efficiency. 034309
Measures for economical **fuel** *consumptions* in the plant production cooperative "Karl Marx" Glauchau. 040321
Effect of moving honeybee [Apis mellifera] colonies on their subsequent production and *consumption* of **honey.** 040244
The value of rape protein for **human** *consumption.* 032460
Determination of confidence intervals for *consumption* **indexes** of spare parts using a method of mathematical statistics [Equipment]. 040420
Influence of modernizatin and intensification of culture on the economic results of production and on the characteristics of wine. **Influence** on *consumption.* 038278
Derepression of cellulase synthesis in Trichoderma lignorum[fungi] during **limited** *consumption* of readily assimilated carbon sources. 037115
The world food crisis—the Watergate of animal agriculture [Cattle production, **meat** *consumption].* 031678
The world food problem and **meat** *consumption* in industrialized countries. 031792
Interchangeability of foods in their nutritional and alimentary aspects and the necessity of **new** *consumption* directions. 032173
Can the nitrogen demand of shrinking **nitrogen** *consumption* be covered by forced symbiosis with natural nitrogen compounds? 041111
Influence of some hormones on the **oxygen** *consumption* in leucocytes of different cattle races and hybrids. 034617
Manganese stimulation of **oxygen** *consumption* in [spinach, maize] chloroplasts with dibromothymoquinone. 037406
Effects of X-irradiation on cell division, **oxygen** *consumption,* and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Economic and social aspects of **paper** *consumption* [in Italy from 1951 to 1974]. 035719
Competition between pasteurized and homogenized milk as indicated by costs, **prices** and *consumption.* 031699
Peach [varieties] for *consumption* and for **processing,** nectarines: situation and prospects for culture in Italy, according to results of a special survey. 038385
Agriculture and energy balance [Food **production** and *consumption].* 031841
World demand prospects for bananas and citrus fruits, the effect of prices and income on the growth **rate** of *consumption.* 031736
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. **Roughage** *consumption,* time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
A survey of the vitamin content of foods as they are *consumed* by **selected** groups of the Australian population. 032244
Improving the efficiency of timber utilization by rationalizing the **structure** of *consumption.* 035736
Household **textiles** *consumption* by farm and city families: assortment owned, annual expenditures, and sources. 032515
Effect of magnesium concentration in the culture liquid on the yeast [Candida guilliermondii] *consumption* of **trace** elements. 037214
Application of the energy principle to determine the amount of **vegetation** *consumed* by Orthoptera in the mountain pastures of eastern Georgia. 036249
Determination of the transketolase activity in erythrocytes in studying the *consumption* of **vitamin** B1 by the population. 032483
Water *consumption* and irrigation regime in principal agricultural crops. 041420
Zinc *consumption* from the nutrient medium by the cultures of Trichosporon capitatum and Aspergillus niger [Fungi]. 037237

CONTAINERS

Possible ways of checking the closure of **aluminium** *containers* for meat dishes and sausage products. 033065
Plastic container **board** *containers* for fresh vegetables [Packaging]. 033401
Selecting peat for rearing **coniferous** *container* seedlings. 035644
Vegetable gardening in *containers* [**Culture**]. 038414
Effects of multiple cuttings per *container* and **fertilizer** levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
An improved edgewise compression test for linerboard [Corrugated **fiberboard,** *containers].* 035877
Strength properties of corrugated [**fiberboard**] *containers.* 035885
Rate of respiration of breeding stock sugarbeets stored in *containers* and in **fixed** storage areas. 037607
Container **grown** tree seedlings [Ornamental Quercus]. 038452
Fruit and vegetable [shipping] *container* **guide.** 033370
Weed control in *containers* [with the **herbicides**] Tolban, Ronstar and Devrinol [Woody ornamentals]. 039177
A comparison of [the fertilizer] Osmocote 18-6-12 and 18-913 for use in *containers* [**Juniperus** chinensis, Ilex cornuta]. 041064
Eggshell damage and **master** *container* costs of two shell egg marketing systems. 033121
Control of lesser-seeded bittercress [Cardamine oligosperma] in *container-grown* **ornamentals;** progress report. 039119
Lettuce handling systems *[Container* **packing].** 033397
Penetration of oxygen to milk packed in **paper** *cartons* [Quality]. 032119
Ornamental **plants** in *containers.* 038427
Plastic *container* board containers for fresh vegetables [Packaging]. 033401
Effects of **propagation** *container* size on top and root development of tree seedlings [Cultivation of horticultural plants]. 038454
Growing **roses** in *containers.* 038340
Containers for **storage** and transport of fruit and vegetables [Research projects, Italy]. 031675
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of single superphosphate in **two** *container* sizes. 041069
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of micronutrient fertilizer in **two** *container* sizes. 041070
Wine *containers.* 033336
Effects of Probe on weed control in *containers* [**Woody** ornamentals]. 039175

CONTAMINANTS

Rubratoxin B [as *contaminants* of **animal** feeds, dogs, toxicity]. 035416
Gas chromatographic analysis in waste **chemistry** *[Contaminants].* 041527
Current research on mycotoxins: a status report [**Food** *contaminants].* 032037
Trace constituents in molasses [Heavy **metal** *contaminants* and organochlorine pesticide residues]. 031961
Origin of di-isobutyl phthalate, a *contaminant* **mimicking** nonadecenoic acid in fatty acids of egg membrane lipids. 033124
Identification of volatile **organic** *contaminants* in Washington, D.c. municipal water. 041680
Contaminants **present** in materials commonly used to purify plant extracts for hormone analysis. 036960

CONTAMINATION

Hygienic aspects of mink feed [**Bacterial** *contamination].* 033581
Quality problems of South American honeydew melons imported into **Britain** *[Contamination].* 032135
National marine fisheries service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and arsenic **content** *[Contamination].* 032070
Market milk products, infected by Bacillus cereus in the **dairy** *[Contamination].* 032122
Pesticide residues in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 **December** 1974 *[Contamination].* 031991
Estimation of *contamination* of **deep-frozen** bull semen. 034855
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by microorganisms [**Environmental** *contamination].* 039557
Metabolism of zearalenone by Fusarium roseum graminearum [Food, **feed,** *contamination].* 032069
Use of water slurries in aflatoxin analysis [Food, **feed,** *contamination].* 032071
Determination of micro-amounts of mercury in **fish** *[Contamination].* 032148
Toxigenic power of Aspergillus flavus producing aflatoxin [**Food** *contamination].* 031941
Growth potential of clostridium botulinum in fresh mushrooms packaged in semipermeable plastic film [**Food** *contamination].* 031948
Microbiological aspects of poultry processing [**Food** *contamination].* 032057
Recovery of Escherichia coli coliforms from macerated shellfish [**Food** *contamination].* 032075
The incidence of Clostridium botulinum in farmed trout raised in Great Britain [**Food** *contamination].* 032077
Some observations on a perigo-type inhibition of Clostridium botulinum in a simplified medium [**Food** *contamination].* 032097
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [**Food** *contamination].* 032102
Microbiological examination of smears as an important part of prevention in food-processing plants [**Food** *contamination].* 032142
Residue problems in weed control [**Food** *contamination].* 039194
Hygienic assessment of agents of intoxications found in **foods** *[Contamination].* 032152
Conditions for production of staphylococcic enterotoxin in **foodstuffs** *[Contamination].* 032138
Results of an inquiry made by the Veterinary Department on **Fusarium** *contaminated* grain of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. 034495
Chloretracycline in the organism of the honeybee [**Honey** *contamination* with antibiotics]. 040269
Response of femoral and vertebral colony-forming units to 226Ra [radium isotope] **internal** *contamination* in mice [Toxicity]. 035434
Pathogenic Staphylococci associated with *contamination* of **market eggs.** 032086
Mercury and mink. I. The use of **mercury** *contaminated* fish as a food for ranch mink [Toxicity]. 035399
Microbial *contamination* of meat in boning and packing rooms. 032117
Penicillin-testing program focuses on *contaminated* **milk.** 031944
On the *contamination* of **milk** and milk products with chlorinated hydrocarbons. II. Results and discussion. 032156
Study on enterococci in commercial cow's and ewe's **milk** *[Contamination].* 032159
Toxicity to white mice of corn **naturally** *contaminated* with aflatoxin. 035419
The extent of Shamouti **orange** *contamination* with green moldand its effect on fruit decay. 038632
Assessment of storage losses, quality and **pesticidal** *contamination* in wheat available in the markets of western Uttar Pradesh, Punjam and Haryana. 5. 039531
Determination of lead, cadmium, and zinc in sugar [for **possible** *contamination].* 032066
The determination of 3,4-benzopyrene in smoked meat **products** *[Contamination].* 032006
The incidence of Propionibacteria in South African dairy **products** *[Contamination].* 032131
Isolation of halophil Vibrio spp. In marine fish and fish **products** *[Contamination].* 032154
Food consumption surveys: a data source for *contamination-monitoring* **programmes.** 032230
Entrance of 90 Sr [strontium isotope] into meadow grasses from different soils of the Nonchernozemic zone [**Radioactive** *contamination].* 033567
Prognosis of cesium 137 [isotope] migration in soils [**Radioactive** *contamination].* 040739
Soil chemistry and accumulation by roots of artificial radionuclides in crop yields [**Radioactive** *contamination].* 040743
Some problems of chemistry of natural and artificial radionuclides in soils and their accumulation by crops [**Radioactive** *contamination].* 040744
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, **radioactive** *contamination].* 040877
Distribution of plutonium in soil particle size fractions of liquid effluent-receiving areas at Los Alamos [**Radioactive** *contamination].* 041605
The "new disease" status of human anisakiasis and North American cases: a review *[Contaminated* **raw** fish]. 032098
The nematodes that cause anisakiasis *[Contaminated* **raw** fish]. 032100
Hygiene of fish and **shellfish** *[Contamination].* 031985
Reclamation of **soils** *contaminated* with radioactive strontium. 041190
Monoacetoxyscirpenol, a new mycotoxin produced by Fusarium roseum Gibbosum [Feed, *contamination,* **toxicity,** cattle]. 033550
Food and **water** *contamination* with heavy metals. 032039
Impact of food and **water** *contamination* on gestation and infant growth. 032044

CONTARINIA
Sorghum midge *[Contarinia* **sorghicola]** pest management in the San Joaquin Valley. 039267

CONTOURS
Studies on the accuracy of *contour* **map** of a forest tract obtained from a magnification of medium-scale topographic map. 035593

CONTRACEPTIVES
Effect of **oral** *contraceptives* and vitamin B6 deficiency on carbohydrate metabolism. 032176
Interrelationships between serum vitamins A and E and lipid fractions in women receiving **oral** *contraceptives.* 032290
The effect of **oral** *contraceptives* on plasma lipoproteins, cholesterol and tocopherol levels in young women. 032317

CONTRACTILE
Influence of intermittent long-term stimulation on *contractile,* **histochemical** and metabolic properties of fibre populations in fast and slow rabbit muscles. 034130
The *contractile* **properties** of slow muscle fibres in sheep extraocular muscle. 034077
Effects of dopamine on sinus rate and **ventricular** *contractile* force of the dog heart in vitro aand in vivo. 033833

CONTRACTS
Industrialists constrained to yield after absurd strong-arm tactics *[Contract* **farming].** 031254
U. Of Penn. Salvages **meal** *contracts.* 032576
Method of calculating leukocytes in **phase** *contract* [Leukosis, cattle]. 035246
USDA to continue monitoring all export **sales** *contracts.* 031614
Function of the shepherds and codification in *contracts* of **shepherds** in the Liptov area. 031257
Trade *contracts* as indispensable instruments of management in the planned cooperation of cooperative associations. 031343
Rationalization of forms of *contract* **type** of vertical integration in agriculture. 031255

CONVALLARIA
Weak polar cardenolide from Convallaria majalis L. Allomethylose as a sugar component of *Convallaria* **glycosides.** 13. 037150

CONVEYORS
Announcing an upstairs/downstairs, translateral, *conveyorized,* **automatic,** dishwashing contraption - it works! 032651
Pork production on *conveyor* **belt.** 040430
Horizontal *screen-conveyor* centrifuges on the egg production farms. 040423

CONVULSIONS
Changes of peripheral leukocyte-counts by electrically **induced** *convulsion* in rabbits. 034082

COOKERY
High **altitude** *cooking,* baking: some tips for the housewife. 032508
Real **American** *cooking:* bicentennial foodservice. 032693
Culinary **apprenticeships** earn respect from labor, management. 032595
Physical guide values for meat technology. II. 4. *Cooked* **cured** meat products. 5. Liver sausage. 6. Blood sausage. 033062
Effect of washing, *cooking* and **dehydration** on the removal of some insecticides from okra (Abelmoschus esculentus Moench.). 032082
Nutrition and regional **foods** *cookery.* 032605
Eating quality and thiamin retention of turkey breast muscle roasted and *"slow-cooked"* from **frozen** and thawed states. 032250
Cooking **frozen** and thawed roasts: beef, pork, and lamb cuts. 032640
Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed **meat,** and upon *cooking.* 032773
Methods of *cooking.* 032623
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis *[Cooked* **poultry** and livestock meat]. 033131
On the reduction of residual nitrite in the production of *cooked* **sausages.** 033113
Physicochemical properties of black liquors from **sulfate** *cooking* of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. 035816
The effect of storage and *culinary* **treatment** of irradiated potatoes on the cytogenetic activity of extracts obtained from them. 032499

COOL
Recovery and re-use of **butter** *cooling* water [Pollution control]. 041624
The fundamentals related to beef transport **[Carcass** *chilling].* 033405
Determining the maximum allowable natural air to escape from *cooling* **cells.** 032821
Role of *cooling* **chain** in food trade. 031626
A *cool* **collection** of cold platters. 032626
Controlling *cool* weather turfgrass diseases. 1. 038988
Some European developments in the *chilling* and **freezing** of fish at sea. 032755
Cooling and **freezing** times and weight losses of meat under U.k. [United Kindgom] commercial conditions. 033047
Heat exchange during *cooling* **fruit** and/or vegetables in stacks or in bulk. 033347
Drying of meat frozen under vacuum in a **liquid** *cooling* medium. 033048
The *cooling* of **milk** destined for the making of Grana cheese. Distribution of microflora and technical controls. 032990
The effects of *cooling* on **mite** infestations in bulk grain. 039418
The effects of **muscle** *cooling* and stretch on muscle spindle secondary endings in the cat. 033997
Effect of picking stage on free amino acids content in tomato fruits during storage at *chilling* and **non-chilling** temperatures. 033344
Simplified equipment for desolventizing, toasting, drying and *cooling* in **one** apparatus for processing of soybeans. 033297
Storage properties of sweet cherries in dependance of the *cooling* **period.** 033434
Biochemical and genetical basis for the temperature sensitivity of photosynthesis and growth in *chilling-sensitive* **plants.** 036968
Hygienic problems of *cooling* **poultry** carcasses during slaughter-house processing. 032140
Effects of **power-plant** *cooling* system on marine phytoplankton [Algae]. 037094
Influence of Na+, K+, Mg2+ [sodium. Potassium, magnesuim ions] and *cooling* on **proteosynthesis** in hemocytes of Galleria mellonella. 039684
On the role of noradrenaline in the regulation of muscle thermogenesis during *cooling* **[Rabbits].** 033901
Grape response to *cooling* with **sprinklers.** 038246
The grazing feed intake of Hereford and Brahman cross cattle in a *cool* **temperate** environment. 034403
Effect of picking stage on free amino acids content in tomato fruits during storage at chilling and *non-chilling* **temperatures.** 033344
Gas exchange of **three** *cool* semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. 037037
Male sterility caused by *cooling* **treatment** at the young microspore stage in rice plants. XI. Effects of some substanceson sterility. 036620
Response of *cool-season* **turfgrasses** [Poa pratensis, Festuca rubra] to liquid applications of fertilizer. 041057
Influence of air velocity and temperature on the **two-stage** *cooling* of perishable large-sized products [Beef quarters]. 033050
Continual transport of pork halves in an **ultra-quick** *chilling* tunnel. 033115
Harvesting, packing, and *cooling* **western** Iceberg lettuce. 033396

COOLERS
Some investigations on two types of *coolers* to a 100 **liter** distillation apparatus for essential oil raw materials. 032904

COOPERATIVES
Studies on the development of dual functions in **agricultural** *cooperatives.* 1. The theory of general and special functions. 031267
Is there a danger in **[agricultural]** *cooperation?* 031364
Execution of soil erosion control works at the **AgriculturalProduction** *Cooperative* Danesti, district of Vaslui. 041193
Trade contracts as indispensable instruments of management in the planned cooperation of *cooperative* **associations.** 031343
One hundred and twenty years of *cooperation* in **control** of floods and interior waters on the left bank of the Vah River. 041227
Experiences made with the central dispatcher station in the Dorf Mecklenburg **Crop** *Cooperative.* 031248
Joint responsibility for a high level of crop farming and animal husbandry *[Cooperatives,* **East** Germany]. 031333
Eighteenth session, Rome, 8-27 November 1975. Relations and consultations with international organizations. Review of the recommendations of the Special Session of the UN [United Nations] General Assembly devoted to development and international **economic** *cooperation.* 031270
Export trade in meat and meat products within the OECD [Organization for **Economic** *Cooperation* and Development] area. 031588
Preparations and preserved fruit and vegetable products for imports into the area of the Organization for **Economic** *Cooperation* and Development. 031657
Farm *cooperatives,* the only solution for the problem of living costs. 031373
Systematic and science-based fertilization for intensified mowing-threshing cropping. Experience and results of crop **farming** *cooperative* Prohn. 040919
Gradual concentration and specialization of *cooperative* **farms,** state farms and their interfarm cooperative institutions, a basic requirement of socialist intensification. 031288
Experience regarding the transition to industrial late cabbage production in the **"Am Meer des Friedens"** *cooperative* farm, Elmenhorst. 031287
Cooperation **functions** at Bernolda di Campagnola: a calf fattening center in Emilia. 033601
Responsibility and tasks of the economist in the **Grossengottern** *Cooperative* Plant Production Section [East Germany]. 031340
Economic results of the development of the member enterprises of the **"Halle-Saale-Obst"** *cooperation* association [Fruit production]. 031284
Improving *cooperation* with the trade [Meat marketing, consumer preferences]. 031686
Seminars on efficient and safe use of pesticides, and other pesticide work of the FAO [Food and Agricultural Organization] **Industry** *Cooperative* Programme. 039583
Gradual concentration and specialization of cooperative farms, state farms and their **interfarm** *cooperative* institutions, a basic requirement of socialist intensification. 031288
The resistnace of corn to Ostrinia nubilalis Hbn (Lepidoptera, Pyralidae) and the prospects for **international** *cooperation* on this problem. 039279
[Land] reclamation [by drainage and irrigation] and the **international** *cooperation.* 041279
Proposals for the organization of forage supply on **livestock** *cooperative* farms with several lines of production [East Germany]. 031380
Experience regarding the organization of joint vegetable production in the **"Lobitzgemuse"** *cooperative* institution, Micheln. 031285
Using *cooperative* **members'** money. 031450
Minas Gerais has a **model** *cooperative* of sugarcane planters. 031265
Joint measures for improved supply [of potatoes, *cooperative* **organization,** East Germany]. 031332
Organized *cooperation* between building and equipment enterprises when preparing and erecting industrial animal and plant production units. 040325
Production and economical results in the activity of the [agricultural] *cooperative* **Pantelimon,** district Contanta. 031368
Trade contracts as indispensable instruments of management in the **planned** *cooperation* of cooperative associations. 031343
How many managers and administrators does a *cooperative* **plant** production section need? [East Germany]. 031329
Self help with help of the **producer** *cooperative* [Cereal production]. 031358
Aspects of the help rendered by the agricultural experiment station Louvrin to the state and *cooperative* **production** enterprises. 031367
Intensification, concentration and specialization on the Oberbohmsdorf livestock **production** *cooperative* farm [Management, East Germany]. 031379
Measures for economical fuel consumptions in the plant **production** *cooperative* "Karl Marx" Glauchau. 040321
Consideration on the behaviour of agronomic works for prevention and control of soil erosion, in the agricultural **production** *cooperative* Aschileu Mic, district of Cluj-Napoca. 041191
Some results and further tasks for *cooperation* on **raising** animal production in the Mongolian People's Republic through veterinary measures. 034900
Cooperatives and the **stations,** partners in progress. 031394
The **sugarbeet** *cooperative* Kats [Harvesting]. 031353
More efficient control activities by an improved information **system** *[Cooperatives].* 031249
Experiences of *cooperative* **work** in developing specialized plant and animal production farms in the German Democratic Republic. 031318

COPPER
Toxic effects of copper on turnip moth (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of **anorganic** *copper* compounds on fertility of imagos. 039318
The ratio of zinc to *copper* in **cholesterol-lowering** diets. 032323
Copper and **cobalt** content of grassland. 040888
Copper **[content]** in [field] crops of the southern part of the Ukraine and its absorption from the soils. 037341
Effect on soil and plant mineral levels following three annual applications of swine manures of different *copper* **contents.** 041063
Copper and **coronaries:** the hidden risk factor. 032206
The influence of nitrogen, phosphorus, potassium, and *copper* **doses** on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
A possible phytotoxic effect of *copper* on **dwarf** coconut palms [during control of Phytophthora]. 039061
Influence of dietary carbohydrate on *copper,* **iron,** and zinc status of the rat. 032452
Copper and **iron** content of tissues of X-irradiated rabbits [Radiation, injuries]. 035436
Performance and **liver** *copper* levels of beef heifers fed broiler litter. 034477
Modification of iron and *copper* **metabolism** by dietary starch and glucose in rats. 032415
The determination of *copper* in **milk** and butter with the graphite furnace atomic absorption apparatus. 033031
The influence of nitrogen, phosphorus, potassium, and copper doses on the yields, and the *copper* and **nitrogen** uptake by plants under the conditions of pot experiments [Field crops]. 037507
Structural organization and the pigment fund of the plastid apparatus of the unit of the leaf surface area and the productivity of flax under different conditions of zinc and *copper* **nutrition.** 037576
Activity of *copper-proteid* **oxidases** as an indicator of copper supply in plants [Oats, rape]. 037497

The effects of copper supplementation on stock health and production. 3. The effect of **parenteral** *copper* on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
Occurrence of *copper* **poisoning** in sheep following dry feeding. 035428
Timber resource statistics for the *Copper* **River** Inventory Unit, Alaska, 1968. 035613
Copper **spray** injury and correction of citrus maladies. 038969
The effects of *copper* **supplementation** on stock health and production. 3. The effect of parenteral copper on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
Activity of copper-proteid oxidases as an indicator of *copper* **supply** in plants [Oats, rape]. 037497
Phytotoxicity of *copper* **treated** burlap on balled and burlapped Cotoneaster divaricata Rehd. & Wils. 038993
Toxic effects of *copper* on **turnip** moth (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on fertility of imagos. 039318
Composition of soil and coffee leaves on plantations under **varying** *copper* fungicide spraying regimes. 038823
Field studies on the magnesium, *copper* and **zinc** nutrition of maize [Soil testing]. 040664

COPRA
The hybrid Port-Bouet 121. New **results** *[Copra].* 038422

COPRINUS
Breeding biology of *Coprinus* **species** in the section Lanatuli [Fungi]. 037316

COPROPHAGY
Coprophagy-dependent **changes** of the anaerobic bacterial flora in stomach and small intestine of the rabbit. 035289
Dung as an insect food source: dung beetles as competitors of other *coprophagous* **fauna** and as targets for predators. 039819

COPTOTERMES
Coptotermes in the **heartwood** of living trees in Central andWest Africa. 039401

COPULATION
Effects of peapollen feeding on maturation & *copulation* in the **beetle,** Bruchus pisorum L. 039802
Mating behavior in halictine bees (Hymenoptera: Halictidae). III. *Copulatory* **behavior** and olfactory communication. 039815
Red cell and total blood volumes during sexual excitement and *copulation* in the **boar.** 034542
Plasma luteinizing hormone and testosterone in the adult male pig: 24 hour fluctuations and the **effect** of *copulation.* 034671

CORAL
Intercellular transport in plants. I. The rate of transport of chloride and the electric resistance [**Chara** *corallina,* Algae]. 037041
The algal ridges and *coral* **reefs** of St. Croix: their structure and Holocene development. 036177

CORCHORUS ***see*** JUTE

CORD
A complete serum iron profile in pregnancy: study of the maternal and *cord* **blood.** 032256
Rumenitis caused by foreign bodies of **polypropylen** *cord* in cows. 035307
Post-synaptic specializations in cat **spinal** *cord.* 033878
Dog behaviour as related to **spinal** *cord* temperature. 033890
A brachial glycogen body in the **spinal** *cord* of the domestic chicken. 034068

CORDYLINE
In vitro propagation of *Cordyline* **terminalis** (L.) Kunth [by tissue culture]. 037735

COREOPSIS
Study on the effect of dimethylsulphate on the development of mother pollen cells in *Coreopsis* **tinctoria.** 036280

CORIANDER
Preliminary observations on the survival of Salmonella in curry, sambar, *coriander* and **red-chilly** powders [Food poisoning]. 032087

CORIXIDAE
Osmoregulation in Trichocorixa verticalis interiores Sailer (Hemiptera, *Corixidae)*—an **inhabitant** of Saskatchewan saline lakes, Canada. 039663
Arctocorisa (Monticorixa subgen. N.) armeniaca sp. N. From Transcaucasia (Heteroptera, *Corixidae)* [**New** taxa]. 039978

CORK
Cork **chemistry.** XXIII. Investigations on triterpenoids. 035784
Report on a [wine] bottling test made by the Tempio **Pausania** *cork* experimental station (Italy) [Leakage]. 035788
Improvement of *cork* **quality** through better methods of exploitation. 035787
Analysis of **Spanish** *cork* exports compared with the corresponding Portuguese exports. 035782
Analysis of **Spanish** *cork* exports compared with the corresponding Portuguese exports. 035783
Cork **stoppers.** 035785
Cork **terminology.** 035786

CORMS
The chemical control of mites infesting **Freesia** *corms* and Narcissus bulbs [During storage]. 039416
Results of experiments in treating the *corms* of **saffron** [Crocus sativus] with colchicine [Genetics, fertility]. 036713

CORN ***see*** MAIZE

CORNCOBS
Feeding and replacement value of calcium hydroxide treated **maize** *cobs* for dairy cows. 034368
Digestibility for swine of fresh, ensiled and dried chopped **maize** *cobs.* 034525

CORNEA
Corneal **epithelial** inclusion cyst associated with keratectomy in a dog. 035342
Biosynthesis of basement membrane collagen by **rabbit** *corneal* endothelium in vitro. 034037

CORONARY
Coronary **arteries** of pigs. 033746
Dietary counseling for patients admitted for *coronary* **artery** bypass graft. 032348
Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by *coronary* **artery** occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Diet and *coronary* **heart** disease. 032268
Phosphodiesterases from **porcine** *coronary* arteries: inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. 034106
Outflow from the left and the **right** *coronary* artery into the coronary sinus in the dog heart in situ. 034135
Favorable diet-induced changes in *coronary* **risk** factors. 032281
Outflow from the left and the right coronary artery into the *coronary* **sinus** in the dog heart in situ. 034135
Kinetics of the red cell washout from *coronary* **vessels** of isolated feline hearts. 033847

CORPORA
Corpus **allatum** and ovarian growth in a polymorphic paedogenetic insect [Aphis craccivora]. 039885
In vitro steroidogenesis in **porcine** *corpora* lutea. 034003

CORTEX
Relationship between the quality of dietary proteins and the functional state of the **adrenal** *cortex.* 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats fed proteins of varying quality. 034311
Relationships between the quality of dietary proteins and the functional state of the **adrenal** *cortex.* 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Identification of glycine in the synaptic vesicles of the **bovine** *cortex.* 034114
The character of functional associations of neurons determined by RNA and SH [sulfhydryl]-groups in the cat **brain** *cortex.* 034219
Electrophysiological study of connections between some subcortical nuclei and the **cerebral** *cortex* [Cats]. 033900
Influence of local strychninization of the **cerebral** *cortex* on the cortical rhythmic afterdischarge [Cats]. 034193
Barbiturate spindling of the neuronally **isolated** *cortex* [Cats]. 034192
Comparison of synaptic vesicle sizes in axonal profiles synapsing on neuronal bodies and dendrites in the cat **motor** *cortex.* 034216
From attentiveness to sleep. A topographical analysis of localized "synchronized" activities on the *cortex* of **normal** cat and monkey. 033708
The binding of 86 rubidium [isotope] by a microsomal fraction of the **ox** *cortex* cells. 034218
Prefrontal *cortex* and maipulatory go left-go right differentiation to acoustic directional cues in dogs. 033710
Spreading depression resulting from *cortical* **punctures** [Cats]. 033711
Influence of local strychninization of the cerebral cortex on the *cortical* **rhythmic** afterdischarge [Cats]. 034193
Influence of the **visual** *cortex* upon collicular evoked responses in the rabbit. 033895

CORTICOSTEROIDS
High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of **chicken** *corticosteroid* binding globulin. 033868

CORTICOSTERONE
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of *corticosterone* and **cortisol** in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, **free** *corticosterone* and total corticosterone in the blood plasma of rats fed proteins of varying quality. 034311

CORTISOL ***see*** HYDROCORTISONE

CORTISONE
Cortisone-resistant **effector** T cells in acute lymphocytic choriomeningitis and Listeria monocytogenes infection of mice. 034999

CORYDALIS
Studies on the constituents of *Corydalis* **sps.** XII. Reaction of dihydroprotoberberine type enamine with formaldehyde. 037076

CORYLUS
Graft combinations of a number of cultivated hazelnut varieties on the **rootstock** *Corylus* colurna L. 038408

CORYNEBACTERIUM
Degenetative diseases of lucerne *[Corynebacterium* **insidiosum,** Verticillium albo-atrum]. 038868

COS ***see*** LETTUCE

COSCINODISCACEAE
Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, *Coscinodiscaceae),* a **new** record for north-western Atlantic coastal waters [Algae, new taxa]. 036110

COSMETICS
Safety of light-activited chemical substances in foods, **drugs,** and *cosmetics.* 031993

COSMOS
Genetic effects of Drosophila [melanogaster] exerted by factors of the cosmic flight in the **space-ship** *"Cosmos* 573". 039761

COST
Use of the "direct sowing" method for planting a grove of almond trees [Prunus **amygdalus,** *costs].* 038242
Experiences of the [West German] Federal Department of Agriculture with *cost-benefit* **analyses.** 031410
Economic and environmental impacts of sagebrush [Artemisia]control on Utah's rangelands —a review and **analysis** *[Costs].* 039178
Cost-benefit **analysis** as a basis for dimensioning flood control measures: an empirical report. 041446
Optimum plant size and location: a case for separable programming *[Cost* **anaysis,** spatial markets in agricultural economics]. 031415
Resource models for production of apples, blackberries, and table grapes in northwest **Arkansas** *[Costs].* 031428
Estimating the **average** *cost* of egg production in Egyptian poultry farms. 031419
Convenience and the *cost* of **baked** products. 031989
Comments on *cost* **benefit** analyses of subsidies for dairy plants. 031409
Balancing the *costs* and **benefits** of nutrient labeling. 032017
Ammonia increases **broiler** *costs* [Housing]. 031497
How to **calculate** *cost* price? [Horticulture]. 031507
Production of young [Chrysanthemum] plants in the greenhouse—economic **calculations** *[Costs].* 031458
Chiana cattle do well on marginal lands [**Capital,** *costs].* 031420
Economics of egg production *[costs]*—a **case** study in Udaipur. 031496
Comparative *costs* of erosion and sedimentation control measures. 041175
A *cost* **comparison** of selected agricultural protein sources. 031465
Young bull production economics and optimal weight decrease under different **conditions** *[Costs].* 031515
Eggshell damage and master **container** *costs* of two shell egg marketing systems. 033121
Clout counts: co-op buying can **cut** *costs* 20%. 032707
Tax exempt feed concentrates during a critical period do not cost the government a coin *[Costs,* **dairy** cattle]. 031479
Evaluation of *costs* for **drying** grain in batch or cross-flow systems. 033300
Criteria for effectiveness in the production of cattle for slaughter *[Costs,* **East** Germany]. 031472
Growing Azaleas and **economics** *[Costs].* 031459
Proceedings in developing technics in respect of increasing labour and **energy** *costs* in farm production. 031347
Food, feed, and **energy** *[Costs].* 031426
Rising **energy** *costs* imperil East Europe's import growth. 031610
Outcome of the **energy** *cost* explosion in relation to our position in international horticultural competition. 2. 031923
Repair of automatic farm **equipment** *[Costs].* 031427
Low-cost fencing: is it worth while? [**Fences,** *costs].* 040380

Low-cost **fencing:** ways with electric [fence] units. 040379
Low-cost **fencing:** is it worth while? [Fences, costs]. 040380
Roadside harvest [of crested wheatgrass for *low-cost* **forage**]. 037951
Tax exempt feed concentrates during a critical period do not *cost* the **government** a coin [Costs, dairy cattle]. 031479
The development of intensity in fruit **growing** *[Costs].* 031456
Waltham beats the **high** *cost* of small system hot feeding. 032577
Inflation in our industry! *[Costs,* **horticulture**]. 031508
Housing *costs* in the mid-seventies [Property taxes]. 031447
Unprecedented crisis facing the sugar industry in Bihar *[Cost* **increase**]. 031469
Use of **incremental** *cost-benefit* ratio in evaluating fertiliser recommendations. 040930
Infrafactory *cost* accounting system for repair enterprises of "Sel'khoztekhnika" [Farm machinery]. 031277
Utilizing the independent [food] research organization to extend uses for a *cost-cutting* **ingredient.** 032816
A comparative analyse of the labour requirements and the *costs* **involved** in various dairying procedures. 033612
Least *cost* combination of fertilizers—an application of linear programming technique. 041016
Farm cooperatives, the only solution for the problem of **living** *costs.* 031373
Some snack food of high nutritional value and **low** *cost.* 032309
Problem: how to offer **low** *cost* meals; solution: mandatory meal tickets. 032569
A practical approach towards better sugar quality at **low** *cost.* 033244
Low *cost* fertilizers are a thing of the past. 040931
Who can't use **lower** *cost* and high quality? 032578
Larger boxes for higher efficiency and **lower** *costs* [for storing fruit]. 033375
Farm food [retail] **marketing** *costs.* 031562
Equipment probe 7: cut labor and **material** *costs* with systematized dishwashing. 032663
Choice of milking parlor based on the *costs* of **organization.** 031478
The impact of concentration upon *cost-,* **output-** and income relations within the activities of sunflower production. 031461
Proposals aimed at determining more exactly the *cost* of **plant** production machinery. 031407
Processing affects feedlot profit **potential** *[Costs].* 031451
There is always the *cost* **price!** [Horticultural crops]. 031509
Competition between pasteurized and homogenized milk as indicated by *costs,* **prices** and consumption. 031699
Use of electron computers to plan livestock inventories, production, *costs* and **proceeds** in industrial swine production facilities. 031381
Commercial **egg production** *costs* and returns. 031416
Estimated crop and livestock **production** *costs,* Nebraska; 1975. 031500
The reserves of reducing the **production** *cost* of reclamation work in the Nonchernozem zone [Drainage]. 041276
The economics of waste heat utilization for controlled environment [greenhouse] production of agricultural **products** *[Costs].* 031437
A second study of the **real** *cost* of agricultural equipment. 040459
Cost in **relation** to benefits for Mothercraft Centers in Haiti, 1964-1974 [Nutrition]. 032266
Relative *costs* of wall construction for underfloor manure-storage tanks [for a confinement swine unit]. 040370
The herds have returned to the hills [Sheep, capital, *costs,* **returns**]. 031422
Butterfat production in the Heytesbury settlement *[Costs,* **returns**]. 031441
1974 annual report of the Southwestern Minnesota Farm Management Association *[Costs,* **returns**]. 031444
1974 annual report of the Southeastern Minnesota Farm Management Association *[Costs,* **returns**]. 031445
Dwarf Brassaia [arboricola] stock block *[Costs,* **returns**]. 031467
National economic importance of the cultivation of bulb flowers *[Costs,* **returns**]. 031477
Economic implications of producing beef calves with various pasture management systems *[Costs,* **returns**]. 031482
Economic effectiveness of concentration of viticulture on collective farms *[Costs,* **returns**]. 031504
Remarks on the economic efficiency of irrigation water [Maize, *cost,* **returns**]. 041343
Function oriented location for buildings, a prerequisite for *cost* **saving** production, adaptability and further expansion of farms. 040337
Criteria of efficiency of swine production for **slaughtering** *[Costs].* 031473
Mowing of high yield grass **stands** *[Costs].* 031474
Cost of **unemployment** insurance for farmworkers in selected states. 031414
Economic analysis of veterinary services for udder health in industrialised dairy farming **units** *[Costs].* 031490
Methods and *costs* for the **warehouse** assembly of grocery orders for small stores [Wholesale marketing]. 031687
System of maize irrigation [**Yields,** *costs].* 041360

COSTELYTRA

Starling (Sturnus vulgaris L.) predation on grass **grub** *(Costelytra* zealandica (White), Melolonthinae) populations in Canterbury [Biological control]. 039295

COTONEASTER

Phytotoxicity of copper treated burlap on balled and **burlapped** *Cotoneaster* divaricata Rehd. & Wils. 038993

COTTON

Chemical control of winter weeds in **areas** for *cotton.* 039128
A durable flame-retardant finish for *cotton* **based** on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. 031951
Effect of carding variables and *cotton-polyester* **blends** on carding efficiency and processing performance. 033167
Effect of drawing and roving processing variables and *cotton/polyester* **blends** on roving quality [Textiles]. 033168
In vitro evaluation of fungicides against Helminthosporium spiciferum the causal organism of **blight** of *cotton.* 038655
Variations of the physiological and hormonal state of *cotton* **bolls** and their relations to subsequent release of abscission. 037386
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the *cotton* **bollworm,** Heliothis virescens]. 036391
Insects [Empoasca devastans, Empoasca kerri motti] and plant hosts [**Castor,** *cotton].* 039255
Electron diffraction study of **cellulose** *[Cotton].* 033170
The use of mutagenic factors for obtaining economically valuable **characters** in *cotton.* 036708
Eighty-three million dollars received from the United States for export of *cotton* [**Colombia**]. 031728
Comparison to **continuous** *cotton* spinning plants with special reference to OE spinning. I. 033276
New herbicide for *cotton,* **corn.** 039093
Autumn tillage of soil and the application of green manure plants to *cotton-alfalfa* **crop** rotations. 038177
The appearance of potassium deficiency in *cotton/food* **crop** rotation on ferralitic soil in the Central African Republic. 038971
Forces exerted on ties of compress universal **density** *cotton* bales. 033173
Effect of growth regulators on early fibre **development** in *cotton.* 037453
Shrinkage control of **durable-press** *cotton* knits. 033184
Natural cross pollination in **Egyptian** *cotton* (Gossypium barbadense L.). 037469
A comparative analysis of growth of ten **Egyptian** *cotton* cultivars (Gossypium barbadense L.). 037609
Effect of plant density and time of thinning on the yield of seed cotton and lint percentage of **Egyptian** *cotton* (Gossypium barbadense L.). 038185
Egyptian *cotton* leafworm [Spodoptera littoralis] on tomato [Pakistan]. 039357
Activity of the *Cotton* and **Exotic** Textile Research Institute in 1973-74. 037994
The effects of dyes on the flame retardancy of *cotton* **fabric.** 031960
Electron microscopy of flame-resistant **fabrics** *[Cotton].* 031954
Easily creasable DP [durable-press] *cotton* **fabrics.** 033166
Improving thermal and electrical conductivity of *cotton* **fabrics** by chemical plating. 033174
New mineral dyes for *cotton* **fabrics.** 033177
The taper and its relation to the physical properties of *cotton* **fibers.** 033187
The degree of cell-wall thickening as a measure of the maturity of *cotton* **fibres.** 033272
Estimates of relative efficiency for *cotton* **field** experiments [Yields]. 037953
Dynamics of a *cotton* **field** arthropod association in northern Afghanistan (the case for an integrated cotton pest control system). II. 039278
Potentials of organic solvents in **finishing** of *cottons.* 033180
An effective ammonia reactor for the continuous production of **fire-retardant** *cotton* fabrics. 031952
Effects of milk on **fire-retardant** *cotton* fabric. 031953
Flame-retardant *cotton* and synthetic fabric blends. 031955
Oxyluminescent behavior of **flame-retardant** *cottons.* 031958
Nectar secretion in *cotton* **flowers** and its relation to floral visits by honeybees [Apis mellifera]. 040188
Spectral reflectance studies on healthy and **fungus-infected** *cotton* and corn plants in Egypt. 038757
Formation of molecular hybrid forms in the system of isozymes of malate dehydrogenase in *cotton* and **Fusarium** [oxysporumvasinfectum]. 038804
Influence of *cotton* **genotypes** on floral visits of honey bees [Apis mellifera]. 037390
Glandless *cotton* growing in Central and West Africa. Present situation of research. 037996
Togo tricalcic natural phosphates in *cotton* **growing:** balance of two pluriannual trials Dossou, N. 040903
Identification of *cotton* **haploids** by stomatal chloroplast-count technique. 036431
Curbing boll weevil [Anthonomus grandis] egg **hatch** *[Cotton].* 039254
Some moisture properties of **high-percentage** *cotton* blends [Textiles]. 033185
Hill reaction and delayed fluorescence in mutants of Gossypium **hirsutum** *[Cotton].* 037442
Hybrid *cotton* a successful venture by India. 036491
Strategy of **hybrid** *cotton* for prosperity [Culture]. 038007
Control of some **important** *cotton* insect pests in the MiddleEast with chlorpyrifos. 039277
Individualizing *cotton* fiber by "spiral" carding. 033175
We must keep the people in the country with the only inducement of a larger income approximating that earned in the cities *[Cotton* **industry,** economic aspects, Colombia]. 031233
When will you have **insect-resistant** *cotton?* [Breeding]. 036625
Dynamics of a cotton field arthropod association in northern Afghanistan (the case for an **integrated** *cotton* pest control system). II. 039278
Heritability and variability of characters in intervarietal and **interspecific** *cotton* hybrids under different irrigation conditions. 036678
Pupation sites of pink bollworms [Pectinophora gossypiella]: potential mortality resulting from cultivation of **irrigated** *cotton.* 039307
Processing facilities and program for research on *cotton* **knits.** 033183
Migration of finishing agent in tubular processing of **knitted** *cotton* fabrics. 033176
Correcting the fertility of *cotton* **land** showing deficiencies of the major elements [Fertilizers]. 040901
Effects of pilose, pubescent, and smooth cottons on the *cotton* **leafperforator** [Bucculatrix thurberiella]. 039274
Estimation of method for determination of photophosphorylation activity in chloroplasts of *cotton* **leaves.** 037415
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, *cotton,* **maize**]. 040657
Induction of CMS [cytoplasmic male sterility] in *cotton* by **means** of radiation-induced mutagenesis. 036520
Rot-proofing properties of chemically **modified** *cotton* fabrics. 031945
Breeding potentials of **noncultivated** *cottons.* I. Some agronomic and fiber properties of selected parents and their F1 hybrids. 036422
Foliar diagnosis and potassium **nutrition** of *cotton.* 040959
Seed selection for potential viability [Kidney beans, **peanuts,** *cotton].* 037780
Effect of some host plants on development and reproduction of Spodoptera littoralis (Boisd.) (Lepidoptera, Noctuidae) *[Cotton* **pests**]. 039260
Effects of R1, a gene for red plant color, on American **Pima** *cotton.* 036427
Influence of the level of potassium nutrition on the physiological functions of tropical plants and the quality of their products [Bananas, **pineapples,** *cotton].* 036978
Oil of the seeds of the *cotton* **plant** of variety AN-401. 033212
Foliar diagnosis and potassium nutrition in the *cotton* **plant.** 040902
Occurrence of whitefly, Bemisia tabaci Genn., on *cotton* **plants** in southern Anatolia (Homoptera: Aleyrodidae). 039261
Passage of Verticillium albo-atrum [wilt of *cotton]* **propagules** through the alimentary canal of the bulb mite [Rhizoglyphus echinopus]. 038771
Field studies of systemic insecticides. I. Evaluation of phoxim for control of fleas [Polygenis gwyni] on *cotton* **rats.** 039477
Energy exchange in *cotton* in **relation** to its resistance to Fusarium wilt. 038802
Fiber and yarn data on sixty-two **research** *cotton* samples. 033171
Appearance of potash deficiency in the course of **rotations** *cotton/food* crops on a ferrallitic soil in the Central African Republic. 040953
The developmental biochemistry of *cotton* **seed** embryogenesis and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. 037364
Effect of plant density and time of thinning on the yield of **seed** *cotton* and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185
Effects of radioactive iodine on *cotton* **seeds.** 037596
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. *[Cotton].* V. **Separation** and relative importance of the genetic effects for the fiber yield and length. 036418
Effects of pilose, pubescent, and **smooth** *cottons* on the cotton leafperforator [Bucculatrix thurberiella]. 039274
Study on the reestablishment of fertility on *cotton* **soils** showing potassium deficiency. 040972
Pest management: concept to practice *[Cotton,* **soybeans,** insect pests, control]. 039282
Effect of carbon and nitrogen nutrition on the growth and sporulation of Helminthosporium **speciferum** *[Cotton].* 038650
Field crops performance **tests** *cotton-forage* crops summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142
New or unusual approaches to flameproofing *[Cotton,* **textiles**]. 031957
A radial-strain tester for measuring stress-strain behavior of low-modules **textiles** *[Cotton].* 033158
Photofinishing for *cotton* **textiles.** 033179
Meeting the mattress flammability standard with **treated** *cotton* batting. 031956
Action of gamma-radiation on the nucleotide composition of **tRNA** of *cotton.* 037550
What's going on with **turnrow** *cotton* storage? 033294
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in **two** *cotton* varieties resistant to wilt [caused by drought]. 037426
Potentialities of gene exchange in selection programs for earliness, in some crosses between Egyptian and **Upland** *cottons.* 036381

Influence of lint percentage, boll size, and seed size on lint yield of **Upland** *cotton* with high fiber strength [Breeding, selection]. 036433
Persistence of the glandless genotype in a composite cross of **Upland** *cotton* on the Texas High Plains. 036436
Effect of lime on boron transport to and **uptake** by *cotton*. 041038
Proceedings of the 13th *cotton* **utilization** research conference, New Orleans, Louisiana, May 14-16, 1973 [Flameproofing fabrics, processing]. 033181
Dynamics of the formation and fall of fruit elements in different *cotton* **varieties** and forms. 037571
Change of the proportion of phosphororganic compounds in Tashkent 2 *cotton* **variety** as affected by moisture deficit. 037566
Balance of comparative *[cotton]* **variety** tests in Togo, 1971to 1973. Replacement of Allen 331-61 variety. 037995
Chromosome pairing in triploid F1 and hexaploid F1, F2, and F3 generation of Gossypium hirsutum L. X Gossypium sturtianum **Willis** *[Cotton]*. 036424
Economic foundation of the harmful effect of *cotton* **wilt** [Verticillium]. 038801
On the specificity of ultrastructure and function of cellular organoids in Verticillium dahliae (Kleb) [**Wilt,** *cotton]*. 038806
Reduction of the severity of Verticillium [albo-atrum] **wiltof** *cotton* by the growth retardant, tributyl [(5-chloro-2-thienyl)methyl] phosphonium chloride. 038772
Kinetics of the alkaline degradation of different types of *[cotton* and **wood]** cellulose on treatment with highly concentrated alkali solution. 035790
Situation and aspects of **world** *cotton* production. 031725
Deviation of actual counts of *cotton* **yarn** samples from nominal count (60 carded). 3. 1970 [production]. 033143

COTTONSEED

Aflatoxins [Aspergillus flavus] in *cottonseed* as **affected** by the pink bollworm [Pectinophora gossypiella]. 039272
Baked foods fortified with **deglanded** *cottonseed* flour protein. 032263
Delinting and dehulling of **high-lintered** *cottonseed*—effect of variables. 033285
Magnesium supplementation of beef cows on pasture with mixtures containing different levels of *cottonseed* **meal.** 034472
Influence of solvents on isomerization in the hydrogenation of *cottonseed* **oil.** 033211
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of solid phase in *cottonseed* **oil** hydrogenates. 033213
Cottonseed **[protein]:** a technological breakthrough in the world food crisis. 032375

COTURNIX

Histochemical and biometrical comparison of the peroneus longus muscle and its innervation in Gallus gallus and *Coturnix* **coturnix** japonica [Chickens, quail]. 033699
Monoamine fluorescence in the median eminence of the Japanese quail, *Coturnix* **coturnix** japonica, following medial basal hypothalamic deafferentation. 033859
Incorporation of tritiated uridine during pachytene and diplotene stages in the oocytes of the Japanese quail **(Coturnix** *coturnix* japonica). 033894
Mutant Japanese quail **(Coturnix** *coturnix* japonica) with marble plumage. 034628
Incorporation of tritiated uridine during pachytene and diplotene stages in the oocytes of the Japanese **quail** *(Coturnix* coturnix japonica). 033894
Mutant Japanese **quail** *(Coturnix* coturnix japonica) with marble plumage. 034628

COTYLEDONS

The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis **alba** *cotyledons*. 036920
The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during *cotyledon* **development.** 037364
Callus formation and organogenesis of **mature** *cotyledons* of Linum usitatissimum L. variety szokijskij [flax] in vitro culture. 037436
Glycoprotein metabolism in the *cotyledons* of **Pisum** sativum peas] during development and germination. 037812
Chloroplast growth and replication in germinating **spinach** *cotyledons* following massive gamma-irradiation of the seed. 037811

COUMARINS

A new carbazole alkaloid and *coumarins* from **roots** of Clausena anisata. 037156
Structure of the *coumarin* **sechulin** [Seseli seseliflorum, Seseli tschuense]. 036900

COURTSHIP *see* MATING

COVERS

Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the *soil-covering* **ability** of the seeded species and some weeds. 037973
[Tractor] **cabin** *covering*. 040511
Clitoria ternatea (L.) Due. As a forage and *cover* **crop**—a review. 038085
Barley, oats, and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, *cover* **crop** and nitrogen level on yield and quality of yield. 038171
Determination of the toxicity and phytotoxin of some *cover* **crops** [Indigofera, Paspalum notatum] inhibiting the growth of banana. 039136
When the barn sweats, that is from the **dripping** *cover*. 040348
On the causes of various frost resistances of grapes under **earth** *coverings*. 037843
Use of concanavaline-A for **establishing** of *cover-containingviruses*. 035056
Environment and extension of the **green** *cover* [Honey plants]. 038558
Environment and extension of **green** *cover* [Natural resources, honey plants]. 041672
Growing **ground** *covers* [Varieties]. 038351
CAIN [Cataloging and Indexing] on-line at the University of Wisconsin [Forestry literature **indexing** *coverage]*. 031003
Statewide **land** *cover* mapping using ERTS [Earth Resources Technology Satellite] imagery [Wisconsin]. 031215
Soil and **land** *cover* overlay analyses. 040718
Plant *cover* formation on reclaimed meadows in the Lyna river valley near Olsztyn. 036254
Transformation trends of **plant** *cover* and peat sites in river valleys under the influence of human activity. 036256
Spatial variation of the **snow** *cover* height and the depth of freezing of Grey forest soils under conditions of Pridesnyanskaya highland. 040745
Soil *cover* characteristics in the forest zone of West Siberian plain. 040951
Changes in the **soil** *cover* under the effect of reclamation [by irrigation and drainage]. 041254
The relationship between the distribution of spider and **vegetation** *cover* in the middle taiga of the Ural region. 039696
Influence of **vegetation** *covering* on natural groundwater recharge as exemplified by the lysimeter system of Saint Arnold near Rheine (Westphalia). 041450

COWBERRIES

Phenoxy herbicide residues in *cowberries* and **mushrooms** [Conifers]. 039142

COWPEAS

Studies with *cowpea* **aphid-borne** mosaic virus and its effect on cowpea in Iran [Vectors]. 038932
Inheritance of resistance to *cowpea* **chlorotic** mottle virus (soybean strain) in soybeans. 038895
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of *cowpea* **chlorotic** mottle virus. 038922
CR 17-1-13, CR 18-13-1, CR22-2-21, *cowpea* **curculio** [Chalcodermus aeneus] resistant southernpea [Vigna unguiculata] germplasm [from South Carolina]. 039336
Studies with cowpea aphid-borne mosaic virus and its effect on *cowpea* in **Iran** [Vectors]. 038932
The amount of flower shedding in some kharif pulses *[Cowpeas,* **mung** beans, mungo beans]. 037762
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species [Nodule bacteria from lupine, **peanuts** and *cowpeas]*. 036947
Preliminary physiological studies on *cowpea* **rhizobia** [in Nigerian soils]. 040800
The packing of southern bean mosaic virus *[cowpea* **strain]** in various crystal cells. 038924
Fruit abscission in *cowpea,* **Vigna** unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. 037777

COWS *see* BOVINE

COXIELLA

Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in central Slovakia with *Coxiella* **burneti** and rickettsiae belonging to of the spotted fever (SF) group. 039472

COXSACKIE

Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, *Coxsackie* and **encephalomyocarditis** viruses. 035291

CRABS

Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic **queen** *crab* (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773

CRAMBE

Crambe **[abyssinica]** seed processing: removal of glycosinolates by water extraction [Crambe meal preparation]. 033551

CRANBERRIES

Cranberries: after the **bounce.** 032553

CRASSULA

Crassula cv. **"Isabella",** a new hybrid [Succulents, varieties]. 038497
The effect of simultaneous short term action of streptomycin and humate on plants [Wheat, barley, *Crassula* **portulacea].** 037370

CREAM

Preoccupations concerning extention of the **assortment** of *ice-cream*. 033022
Influence of air phase dispersity on **hard** *ice-cream* texture. 032950
Producing finely granulated or *creamed* **honey.** 032828
Chemical quality of market **ice** *cream*. 032079
Ice *cream* is a low-fat, highly nutritious food. 032175
Computer simulation of **ice** *cream* freezing. 032949
Methods of quality evaluation of ice-cream and storage behaviour of vanilla **ice** *cream*. 032951
Using cottage cheese whey fractions or their derivatives in **ice** *cream*. 032962
Continuous freezers for the manufacture of **ice** *cream*. 033018
Milk sugar, an ingredient of fat-free milk solids for **ice** *cream* manufacture. 033036
Importance of *cream* **ripening** for butter spreadability. 033003
Methods of quality evaluation of *ice-cream* and **storage** behaviour of vanilla ice cream. 032951

CREATINE

The effect of physical activity, nutrient intake, and growth on body composition of myelomeningocele patients as measured by the whole body counter, *creatinine,* and **anthropometric** determinations. 032318
Clearance of **endogenous** *creatinine* and urea in pregnant women with late toxemia kept on a diet containing different amounts of protein. 032481
Purification of *creatine* **kinase** from bull heart mitochondria. 033827
Total muscle mass in malnourished children measured by N **[nitrogen** *isotope]-creatine*. 032326
Factors affecting **serum** *creatine* phosphokinase activity in pigs [Genetic marker for malignant hyperthermia syndrome]. 035348
Effects of the ingestion of vitamin E with vitamin A on serum levels and **urinary** *creatine/-creatinine* in children with cystic fibrosis. 032274

CREDIT

Credit **assistence** for dairy cattle raising [Brazil]. 031503
The financing of **co-operative** *credit* associations in the developing countries. 031432
The **farm** *credit* corporation. 031436
Credit, the **key** of rural development. 031421
USSR facing possible import payment **pinch** *[Credit]*. 031454
Appraisal of *credit* **worthiness** of emergent-commercial farmers in developing agriculture. 031413

CREEPING

A comparison between rotational *[creep]* **grazing** and set stocking with ewes and lambs at three stocking rates. 034271
Modification of metabolism in **Virginia** *creeper* [Parthenocissus tricuspidata] leaves from sunny or shaded exposures. 037141

CREOSOTE

Service life of *creosoted* **apitong** [Dipterocarpus] and othertimber species as railway ties for 10 years. 035758
Quantitative determination of the *creosote* **content** in preserved wood. 035770

CREPIS

Effect of DNA synthesis inhibitor 5-aminouracil on the mitotic cycle of sprouting seeds of *Crepis* **capillaris** L. 036369
The possibility of the detection of potential damages to the chromosome structure in seeds of *Crepis* **capillaris** and Crepis tectorum. 036694
Cytogenetic effect of N-nitroso-N-methyl urea on cells of *Crepis* **capillaris** L. seeds stored for a long time after treatment. 036954
A cytogenetic study of the effect of the joint action of ethyleneimine and gamma rays on the cells of *Crepis* **capillarisseeds** in two successive mitotic cycles. 036663
The possibility of the detection of potential damages to the chromosome structure in seeds of Crepis capillaris and *Crepis* **tectorum.** 036694

CRETACEOUS

Observations on exine structure of Eucommiidites and **lower** *Cretaceous* angiosperm pollen. 036343

CRICETIDAE

Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, *Peromyscus* **leucopus,** in southwestern Wisconsin. 039485

CRICKETS

The response characteristics of the tympanal organs of two species of **bush** *cricket* [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of sound transmission. 039832
Morphofunctional state of principal organ system, life span, and fertility in the **domestic** *cricket* Acheta domestica during normal imaginal development and after allatectomy. 039930
Acoustic behaviour and migrations of **field** *crickets* Grylluscampestris. 039964
A **gynandromorph** *cricket,* Gryllus bimaculatus (Grylloptera: Gryllidae). 040002

Influence of social experience on sexual readiness of male **house** *crickets,* Acheta domestica. 039741
Cyclic guanosine 3',5'-monophosphate. High levels in the male accessory gland of Acheta domesticus and **related** *crickets.* 039640

CROCUS

Biological studies on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, **Iris** and *Crocus.* 039013
Results of experiments in treating the corms of saffron *[Crocus* **sativus]** with colchicine [Genetics, fertility]. 036713
On the history of saffron *[Crocus* **sativus]** culture in the Upper Nitra region. 038538

CROFTERS

The *crofter's* **"land** war" [Rural unrest]. 031073
Ideas and arguments: *Crofters* **[Rural** unrest]. 031071

CROPLANDS

Erosion [on rangeland, forests and *cropland]* and **sediment** yield [to reservoirs] in New Mexico. 041179

CROPS

Preliminary studies on the role of trenches in isolating root effect of forest trees bordering **agricultural** *crops* [Landuse]. 031159
Applying of the modern calculation technics in the **agricultural** *crop* production. 031366
Varieties and hybrids of **agricultural** *crops* cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Experiments with fungicides and insecticides in **agricultural** *crops* 1974. 039066
Water consumption and irrigation regime in principal **agricultural** *crops.* 041420
Possibilities of increasing the yields, the quality and the longevity in irrigated **alfalfa** *crop.* 038146
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent **barley** *crops.* 038953
Development and *crop* **bearing** of larch (Larix decidua Mill.) strains in a clonal seed orchard in the Miedzylesie forest district. 035687
Quality control of the 1975 wild mushroom and **berry** *crops* in the Bavarian Forest—characteristics of wild raspberry juices. 032049
Contribution to the agrotechnics of peppermint (Mentha piperita L.) growh as a **biennial** *crop.* 038555
Advance in plant sciences *[Crop* **breeding].** 036532
Golden beans from China now our no. 1 **cash** *crop* [Soybeans]. 038183
Catch *crops* for maize. 038055
Why to grow **catch** *crop?* A feed and protein source from the farm. 038081
Mode and density of planting maize as a spray irrigated **catch** *crop.* I. 038134
Studies on the cultural procedures of grain bean as an irrigated **catch** *crop.* 038451
Seed and seedling diseases of *crops,* their **cause** and control. 038615
Scanning electron microscopy of the endosperm of **cereal** *crops.* 3. Starch cell layer of whitecore rice. 033195
Scanning electron microscopy of the endosperm of **cereal** *crops.* 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
The control of the quality of harvesting straw and chaff [of **cereal** *crops].* 038197
The violation of the time limit [for harvesting] leads to losses of grain [of **cereal** *crops].* 038203
Arthropods in **cereal** *crops:* nocturnal activity, vertical distribution and aphid predation. 039290
The translocation of assimilates produced in different ograns of **cereals** *crops* at various stages of growth and development. 037509
Manure in a **cereals-sugarbeets** *crop* rotation on deep Chernozems. 040870
Wheat in **cereal-sugarbeet** *crop* rotation. 038206
Autumn tillage of soil and the application of green manure plants to **cotton-alfalfa** *crop* rotations. 038177
The appearance of potassium deficiency in **cotton/food** *crop* rotation on ferralitic soil in the Central African Republic. 038971
Appearance of potash deficiency in the course of rotations **cotton/food** *crops* on a ferrallitic soil in the Central African Republic. 040953
Field crops performance tests **cotton-forage** *crops* summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142
Clitoria ternatea (L.) Due. As a forage and **cover** *crop*—a review. 038085
Barley, oats, and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, **cover** *crop* and nitrogen level on yield and quality of yield. 038171
Determination of the toxicity and phytotoxin of some **cover** *crops* [Indigofera, Paspalum notatum] inhibiting the growth of banana. 039136
Crop **damage** caused by drought. 039022
Testing of irrigation water prevents soil and *crop* **damage.** 041243
Some effects of soil type and *crop* **density** on the activity and abundance of the epigeic fauna, particularly Carabidae, in sugarbeet fields. 039291
Crop **disease** losses in Canada and methods for their determination [Beans, bacterial blight]. 038871
Diversify *cropping* pattern in rabi by sowing raya [Leguminous oil crop]. 038124
Moisture use efficiency of **dryland** *crops* as influenced by fertiliser use. II. Rabi cereals. 040884
Potassium responses of various *crops* in **East** Africa. 040963
Observations from a field trip to Sor-Trondelag, 19 August 1975 [Fungus diseases of **economic** *crops].* 038742
Leaching of N [nitrogen]—problem of *cropping* **efficiency,** not of pollution [Maize]. 040594
The mushroom industry in the United States and Canada. 7. *Crop* **emptying** and miscellaneous items [Equipment]. 040512
Economic profitability of *crop* **enterprises** in a dry farming area of Madhya Pradesh. 031449
Estimated *crop* and livestock production costs, Nebraska; 1975. 031500
Remote sensing instrumentation and methods used for identifying center pivot sprinkler irrigation systems and **estimating** *crop* water use. 041320
Magnesium in New Zealand soils. III. Availability of non-exchangeable magnesium to white clover during **exhaustive** *cropping* in a pot trial. 040700
Foliage arthropod communities of *crop* and **fallow** fields. 036240
Programming the yield of **farm** *crops.* 031391
Income and resource productivity of alternative rice **farm** *cropping* patterns in Bicol. 031471
Problems of modern intensive fertilizer application on **farm** *crops* in Bulgaria. 041032
Joint responsibility for a high level of *crop* **farming** and animal husbandry [Cooperatives, East Germany]. 031333
Agrochemical centres, present position and size of network, performance and results, and forthcoming tasks for intensification of *crop* **farming.** 031814
Effective use of urea as a nitrogen fertiliser in *crop* **farming.** 040911
Systematic and science-based fertilization for intensified mowing-threshing cropping. Experience and results of *crop* **farming** cooperative Prohn. 040919
Chemical control of weeds of **fiber** *crops* with linuron in France. 039157
Evolution of agronomic techniques in Italy in the last ten years **[Field** *crops,* acreage, yields, statistics]. 031764
Information concerning seed inspection **[Field** *crops].* 033298
Sugarcane flowers in Egypt: improvement of **field** *crops* productivity [Breeding]. 036556
About gene banks and storage for sowing **[Field** *crops].* 036698
Radiation stimulation of seeds [of **field** *crops* and vegetables]; results of five years of experimentation. 037462
The influence of nitrogen, phosphorus, potassium, and copper doses on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments **[Field** *crops].* 037507
The occurrence of cyanogenic glucosides in the cultivated plants **[Field** *crops].* 037508
A program for studying the optimum plot size in field experiments on the computer **[Field** *crops,* statistical analysis]. 037952
Seed harvest **[Field** *crops].* 038066
Contribution of changes in yield to output and variability in trends for selected basic **[field]** *crops.* 038140
Field *crops* performance tests cotton-forage crops summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142
Many new **[field** *crop]* varieties from Svalof. 038165
Artificial infection backgrounds in the development of **field** *crops* resistant to root diseases [Verticillium dahliae]. 038797
The most current and serious diseases and pests in **field** *crops* this year. 039028
Status of the systems approach to **[field** *crop]* pest management. 039259
Liquid swine manure and sewage sludge need careful supplementation [to fill nutritional requirements of **field** *crops].* 040947
Organization of agrochemical service in Cherkassy Region [Fertilizers, **field** *crop* yields]. 040990
Investigations on accumulative phosphorus and potassium dressing in a six-course **field** *crop* rotation. 041031
The optimum repartition of **fodder** *crops* on plots of land depending of the productive potential. 038147
Recent works carried out by the Institute of Tropical Agronomic Research and **Food** *Crops* in the area of potassium fertilization of tropical soils. 040967
Amount of micronutrients in **[leguminous] forage** *crops* grown in the Khar'kov area. 037603
Forage *crops* [Culture]. 038148
Balance and dynamics of potassium under **forage** *crops* in humid tropical areas. 040954
The effect of interval between harvests and nitrogen application on the proportion and yield of *crop* **fractions** in four ryegrass [Lolium] varieties in the first harvest year. 038048
Pollination of **fruit** *crops.* 037879
Diseases and pests of special **fruit** *crops.* II. 038979
Bangladesh **grain** *crops* on uptrend, but imports heavy [Production]. 031601
Effect of southern Chernozem-Solonetz characteristics on small **grain** *crop* yields. 040723
Triticale as a **grazing** *crop* for yearling beef steers. 038022
The effect of mineral fertilizers on quality of yield of *crops* **grown** on irrigated peat soils. 041128
The management of the transportation of **harvested** *crops.* 031400
Efficiency of fertilizers in **hemp** *crops* for yarn. 041052
High *cropping* standards and extensive reproduction of soil fertility, prerequisites for high and stable yields [Agronomy]. 038010
High *cropping* standards essential to contest for high yield stability. 038011
Adequate planting and tending of [fruit] trees for early and **high** *crop* yields in new plantations. 038303
Applying of mineral fertilizers during mechanical **hoeing** of *crops.* 040518
There is always the cost price! **[Horticultural** *crops].* 031509
Application of remote sensing to *crop* **identification** and water use. 041298
Mineral fertilizers as the basis for **increasing** *crop* yields. 040989
Expanded reproduction of soil fertility in **industrial** *crop* production. 041151
Development of reclamation requirements in the transition to **industrial** *crop* production [Rostock District]. 041165
Reproduction of organic matter in soil under conditions of **industrialised** *crop* and livestock farming. 040917
The use of fertilisers in the maintenance of soil fertility under **intensive** *cropping* in northern Nigeria. 040977
Water requirements of the *crops* in the **irrigated** areas of the Bras de la Plaine [Reunion]. 041229
Nitrogen in *crops* and **leaching** water using nitrate and ammonium nitrogen as fertilizers. Lysimeter experiments 1962-1972. 041107
The dollars and no sense of *crop* **losses** from weeds. 039153
Changes in the microclimate of irrigated **maize** *crop* under the influence of some agrotechnical operations. 038131
Using the associated herbicides based on atrazine and butylate in irrigated and non-irrigated **maize** *crops.* 039161
The rise of maize as a **major** *crop* plant in the Philippines [Culture, history]. 038050
Practical considerations in use of selective insecticides against **major** *crop* pests. 039283
Experiences made with the central dispatcher station in the Dorf **Mecklenburg** *Crop* Cooperative. 031248
Systematic and science-based fertilization for intensified **mowing-threshing** *cropping.* Experience and results of crop farming cooperative Prohn. 040919
A **new** *cropping* pattern with jute. 038025
Effect of host and **nonhost** *crop* seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684
Diversify cropping pattern in rabi by sowing raya [Leguminous **oil** *crop].* 038124
Canada's **oilseed** *crops* rebound in 1975 [Production]. 031603
High level productivity of soils and **optimum** *crop* production corresponding to appropriate choice of cultivation technique. 041194
A *cropping* **pattern** for uplands of Orissa [Rice, maize, mustard]. 038024
Transformation factor from carbon dioxide net assimilation to dry weight in *crops.* II. **Peanut.** 037546
From friend to foe: the Syrian woodpecker *[Crop* **pests].** 038989
Can common flax become one of Sweden's oil **plant** *crops?* [Culture]. 038161
Simmondsia chinensis—a plant with future *[Crop* **plant].** 038172
The influence of nutrition on the chemical properties of some tropical **plantation** *crop* products [Hevea, oilpalm, cocoa, fertilization]. 040974
Effect of low moisture level on catalase activity in some [field] *crop* **plants** during juvenile phase. 037346
Greater utilisation of sunlight by *crop* **plants** for maximising yield [Rice, photosynthesis]. 037451
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of *crop* **plants.** III. Variation of photosynthetic rate in different part of laf on rice, corn and sorghum plant. 037544
The spread of [gangrene] Phoma exigua within the **potato** *crop.* 038569
Glandular hairs are a possible means of limiting aphid [Macrosiphum euphorbiae, Myzus persicae] damage to the **potato** *crop.* 039312
[Sowing of winter wheat] after different **preceding** *crops.* 038210
Applying fertilizers in wheat, depending on the **preceding** *crop.* 041051
Crop **procedures** within a system of an overall disease control. 039064
Specialization and concentration of the *crop* **production** at the intercooperative councils. 031369
Green Revolution and vital factors in steady increase in *crop* **production** and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the protein problem. 031849
Results of interfarm units for *crop* **production** in Linum andFehrbellin and their agrochemical centre in achieveing techno-scientific progress [Agronomy]. 038012
Crop **production** function determinations [relating to maize yield] as influenced by irrigation and nitrogen fertilization using a continuous variable design. 038098
The economic value of organic matter in *crop* **production.** 040900
Self blanching celery—**protected** *cropping* [Greenhouse culture]. 038481

Special considerations on the biometric evaluation of tests with *crop* **protection** agents. 039083
Forest **shelterbelts** and the **quality** of *crops*. 035512
Some problems of chemistry of natural and artificial radionuclides in soils and their accumulation by *crops* **[Radioactive** contamination]. 040744
Modification of the injurious effect in the gamma irradiation of seeds of radiosensitive and **radioresistant** *crops*. 036630
Record *crops* lift world rice supply, depress trade. 031609
Applications of mineral oils for deterring potato virus Y infections in **redpepper** *crops*. 038934
Possibilities of mowing the *crop* **remains** in the field. 038115
Repeated *crop* failure in the Soviet Union. 031205
The potential of *crop* **residues** as commercial animal feed. 033543
Accumulation and mineralization of *crop* **residues** in dark Chestnut soil. 040809
The significance of *crop* **residues** to the maintenance of [soil] fertility under continuous cultivation at Samaru, Nigeria. 040995
Crop **responses** to potash in Sierra Leone. 040955
Transformation factor from carbon dioxide net assimilation to dry weight in *crops*. III. **Rice.** 037547
Seven year multilocal experimentation on rainfed **rice** *crops* in Senegal (1967-1973). 037965
Preparation TUR on **rice** *crops* [for lodging control]. 039087
Extractable protein from the by-product vegetation of some cole and **root** *crops*. 033325
Evaluation of the feed [nutritive] values of **root** *crops*. 033555
Experience from fallowing of grassland for *cropping* in **Rostock** region. 038009
The effect of [field] *crop* **rotation** on yield variation in the light of results from some long-term rotation experiments. 038071
Size and dynamics of the yield of *crops* under **rotation** with long-term use of fertilizers. 040836
The aftereffect of long-term application of fertilizers in *crop* **rotation.** 040872
The change of agrochemical properties of soddy-podzolic sandy-light loamy soil as a result of long-term application of fertilizers in a *crop* **rotation** with flax. 040873
The frequency of sowing wheat in *crop* **rotations** and the quality of grain [in the Far East of USSR]. 038199
Green Revolution and mineral nutrient removal [from the soil] by wheat under different *crop* **rotations** [Soybeans, pearlmillet, cotton, maize]. 040657
Less known [insect] pests of alfalfa and **sainfoin** *crops* in the Constanta district, and their control. 039298
Seed *crop* forecasting in eucalypt [Eucalyptus regnans] forests using aerial reconnaissance. 035650
Measures to be taken at harvesting of **seed** *crops*. 038112
Potassium in an arid loessial soil: changes in availability as related to *cropping* **[sequences]** and fertilization. 041044
Corn and sorghum as **silage** *crops* under partial irrigation. 041281
Uderground heating of *crops* and **solar** energy storage. 040335
Copper [content] in [field] *crops* of the **southern** part of the Ukraine and its absorption from the soils. 037341
Influence of the *crop* **stand** and fertilization on the yield of selfed maize lines. 038133
Stubble *crops* of proso under irrigation. 038181
Record world **sugar** *crop* to exceed demand [Situation]. 031581
Research on the **sugarbeet** *crop*. 037969
Experimental results obtained with non-conventional fertilizers in irrigated **sugarbeet** *crops*. 041053
Protecting the **sugarcane** *crop* from frost. 039007
An experiment to control Fomes annosus in second rotation pine [Pinus **sylvestris**] *crops*. 038617
Results of *cropping* **system** trials with the apple combination 'Golden Delicious'/M9. 038319
Diversity, complexity, stability and [insect] pest control *[Crop* **systems].** 039228
Potassium uptake rates in **tropical** *crops* [Oilpalms]. 036980
Influence of special ecological conditions on growth, metabolism, and potassium nutrition of **tropical** *crops* (as exemplified by the case of rice). 037450
Effect of Aspergillus flavus on the germinating seeds of some **tropical** *crop* plants. 038681
The influence of potassium nutrition on the yield and chemical composition of some tropical root and **tuber** *crops* [Fertilizers]. 040975
Effect of foliar application of chemicals on the survival of plant pathogens in the rhizosphere of **two** *crop* plants [Sorghum, Crotalaria juncea]. 038683
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in **vegetable** *crops*. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
Virus diseases of **vegetable** *crops* in Apulia. XVIII. Shoe stringing of broadbean (Faba vulgaris Moench. var. major). 038915
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and **vine** *crops?* [Stone fruits, grapes]. 039104
Adverse weather in Brazil cuts **wheat** *crop* estimate [Production]. 031598
Comparative studies on the physiology of leaf, neck and earhead isolates of Helminthosporium sativum Pam., King and Bakke parasitic on **wheat** *crop* in Karnataka. 038748
Some aspects of damaging **wheat** *crops* under conditions of Romania. 039052
Winter *crops* [Wheat varieties]. 038067
Fungicide treatments for **winter** *crops* [Grain]. 038741
Research concerning the production of cut anthuriums [Anthurium andreanum] in the South Holland glasshouse district, *crop* **year** 1974 [Yield]. 038426
The relationship between *crop* **yield** (or mean plant weight) of lettuce and plant density, length of growing period, and initial plant weight. 038389
Chilean agrarian reform. II. Its influence on farm production *[Crop* **yields].** 031783
Soil chemistry and accumulation by roots of artificial radionuclides in *crop* **yields** [Radioactive contamination]. 040743

CROSS

Cross-reactive **antigens** and lectin as determinants of symbiotic specificity in the Rhizobium-clover association. 036175
The grazing feed intake of Hereford and **Brahman** *cross* cattle in a cool temperate environment. 034403
Results of studies on the sexual maturity of female cattle from the **commercial** *crossing* of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837
Persistence of the **glandless** genotype in a **composite** *cross* of Upland cotton on the Texas High Plains. 036436
Effects of nutritional management systems on reproductive performance of **dairy** *cross* cows. 034444
Pooling time-series and *cross-section* **data:** a review [Research methods, agriculture]. 031757
Heterosis and combining ability in a spring wheat **diallel** *cross*. I. Grain yield and its components. 036378
Heterosis and combining ability in a spring wheat **diallel** *cross*. 2. Some agronomic characters. 036379
Heterosis and combining ability in a spring wheat **diallel** *cross*. 3. Fertility restoration and seed set on male-sterile wheat. 036380
Combining ability analysis of near-homozygous lines derived from a 12-parent **diallel** *cross* in oats. 036425
General and specific combining abilities for percent of fruit set in a tomato (Lycopersicon esculentum Mill.) **diallel** *cross*. 036473
General and specific combining ability for mean fruit weight in a tomato (Lycopersicon esculentum Mill.) **diallel** *cross*. 036474
Inheritance of earliness components in a tomato **diallel** *cross* including Lycopersicon pimpinellifolium mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. 036478
Diallel *cross* experiment among Sikkimese varieties, indica and japonica testers of rice, Oryza sativa L. III. Morphological characters. 036582
Large litters, big pigs from **Duroc** *cross* [Swine, breeding]. 034773
Hybrids lines from the *cross* between **Gossypium** hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the fiber yield and length. 036418
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and breast **height** *cross-section* area and the number of trees per area unit on the other. 035622
Increases in yields with **heterosis** *crossings* of Vitis vinifera L. [Grapes]. 036588
Cross-breeding within and between different **mink** lines. 034844
Natural *crossing* in guar, Cyamopsis tetragonoloba (L.) Taub. 036435
Natural *cross* pollination in Egyptian cotton (Gossypium barbadense L.). 037469
Study of spontaneous **oogonial** *crossing-over* in interspecific Drosophila hybrids. 039766
Studies on several wild-growing Helianthus species [for **possible** *crossings* with sunflowers]. 036483
Mechanized testing of grafted grape seedlings in *cross-section* **[Propagation].** 038472
Reciprocal *crossing* of Culex pipiens pipiens with Culex pipiens molestus and the development of parental and hybrid generations. 039915
Production of genetic heterogeneity and some aspects of heterosis breeding in *cross-pollinating* and **self-pollinating** plants. III. Seed reproduction methods and genetic balance. 036688
Clustering of **specific** *crossovers* in maize microsporocytes. 036504
Finding out about *criss-crossing* **[Swine,** breeding]. 034771
Evaluation of costs for drying grain in batch or *cross-flow* **systems.** 033300
Preweaning maternal heterosis of *backcross* and **three-breed** cross beef dams [Cattle]. 034732
Productivity of straightbred, *backcross* and **three-breed** cross beef dams [Cattle]. 034733
Experimental comparison between rotation and **three-way** *crossing* [Livestock]. 034574
Vibration of chainsaw in **timber** *cross* cutting. III. 035707
Vibration of chainsaw in **timber** *cross* cutting. IV. Protection provided by the vibration multi-isolating equipment. 035708
Inheritance of flour protein content in a **wheat** *cross* between C 273 X S 308 [Varieties]. 036605

CROSSBREEDS

The value of *crossbred* **boars** in the commercial production of swine. 034739
Comparisons of exotic- and **Brahman-sired** *crossbred* calves for birth and weaning traits. 034721
Evaluation of purebreds and *crossbreds* for **broiler** traits. 034647
Crossbred **bulls** have a place. 034788
Crossbreeding in **cattle** husbandry. 034742
Immunoglobulins of blood and milk of Indian pure and *crossbred* **cattle.** 035073
Relative feed efficiency of *crossbred* **cows** for milk production. 034380
Performance of purebred and *crossbred* **dairy** cattle in Thailand. 034561
Oxytocin following artificial insemination in *crossbred* **heifers.** 034731
A note on seasonal variation in normal water intake by indigenous and *crossbreed* **sheep.** 034278
Is pure-line breeding or *crossbreeding* **successful?** I [Apis mellifera]. 040232
Variation in birth weight due to season of calving in different filial groups of Brown **Swiss** *crossbred* calves. 033967

CROSSLINKING

Role of magnesium chloride in *crosslinking* **cellulosics** [Fabrics]. 032713

CROTALARIA

Effect of foliar application of chemicals on the survival of plant pathogens in the rhizosphere of two crop plants [Sorghum, *Crotalaria* **juncea].** 038683

CROTEPOXIDE

Synthesis of *(plus/minus)-crotepoxide,* **(plus/minus)-epicrotepoxide,** and (plus/minus)-isocrotepoxide [isolated from Croton macrostachys]. 037008

CROTON

Synthesis of (plus/minus)-crotepoxide, (plus/minus)-epicrotepoxide, and (plus/minus)-isocrotepoxide [isolated from *Croton* **macrostachys].** 037008
Antileukemic principles isolated from Euphorbiaceae plants [Euphorbia esula, *Croton* **tiglium].** 037258

CROWNS

Soluble proteins and hydrolases during *crown-gall* **[Agrobacterium** tumefaciens] induction in the tomato, Lycopersicon esculentum. 038858
Studies on the morphology and dimensions of tree crowns in even-aged stand of sugi [Cryptomeria japonica]. I. *Crown* **form.** 035567
Karyological studies on *crown* **gall** tumors [caused by Agrobacterium tumefaciens] of the pea. 036329
Factors influencing changes in ploidy and nuclear DNA levels in cells from normal, *crown-gall* and **habituated** cultures of Helianthus annuus L. [Sunflowers]. 036345
Comparison of different hill-plot designs for evaluating quantitative response to **oat** *crown* rust [Puccinia coronata]. 038595
Effects of *crown* **release** and fertilizer on small saw log-sized yellow birch [Betula alleghaniensis]. 041114
On the development of the *crown* **root** primordia in rice plants. 037543
Studies on the morphology and dimensions of **tree** *crowns* in even-aged stand of sugi [Cryptomeria japonica]. I. Crown form. 035567
Effect of rifampin application time on *crown-gall* **tumor** induction by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. 038856

CRUCIFERAE

Phytochemical phylogeny of the **Brassicaceae** *(Cruciferae)* from the Capparidaceae. 036075
On phenolic acids of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of Brassica-Species and **leaves** of other *Cruciferae*. 033485

CRUSHING

Investigation on fat quality of embryo, endosperm and *crush* **fractions** of maize kernel. 033304
Crushing **roots** by cutting [Sugarbeets]. 033139

CRUSTACEA

A note on light and electron microscopy studies of white pine [wood] exposed to marine [mollusk and *crustacean]* **borer** damage. 035894
Radiation-induced increased melanosis in *crustacean* **shellfish** [Shrimp, lobster]. 032902

CRUSTS

The change of humid **tropical** *crusts* of weathering in the process of soil formation under conditions of moderate arid climate. 040575
Two types of soils developed over the reddish **weathering** *crust* of the western part of Georgian SSR. 040609

CRYPTOCOCCUS

Changes of lipid composition with growth phase of *Cryptococcus* **neoformans** [Yeasts]. 036728

CRYPTOMERIA

Studies on the characteristics of sugi **cultivars** *(Cryptomeria* japonica D. Don) in Kyushu by the experimental designs. i. Analysis of the five years growth in randomized. 035639
Time of passage in non-thinned sugi *[Cryptomeria* **japonica]** stand changing with the **age.** 035534
Studies on the morphology and dimensions of tree crowns in even-aged stand of sugi *[Cryptomeria* **japonica].** I. Crown form. 035567
Embryogenesis and cone growth in *Cryptomeria* **japonica.** 037902

Needle variation in natural populations of *Cryptomeria* **japonica** D. Don. 037903
Changes in soluble nitrogens during spring growth of *Cryptomeria* **japonica** seedlings. 037922
Effects of artificial shading on the growth of forest trees. I. Differences in growth of *Cryptomeria* **japonica** seedlings in shade during a growing season. 037924
Studies of life-mode of Cercospora sequoiae Ell. Et Ev. In a warm district of Japan. V. Conidial production at different temperatures *[Cryptomeria* **japonica**]. 038737
Studies on the branch wood of **sugi** *(Cryptomeria* japonica D. Don). I. On the variation of tracheid length in the branches of 36 years old sugi. 035705
On the strength properties of sugi **wood** *(Cryptomeria* japonica D. Don). 035704

CRYPTOPHAGIDAE
Acrotrichis plantonoffi renkonen (Coleoptera, Ptiliidae) and Caenoscelis subdeplanata bris. (Coleoptera, *Cryptophagidae)* from the **Birmingham** area. 040012
Coenoscelis subdeplanata Bris. (Coleoptera, *Cryptophagidae)* in **Birmingham**. 040015

CRYPTOPHYCEAE
Phycobiliproteins [in Cyanophyceae, Rhodophyceae, *Cryptophyceae,* **algae**]. 036799

CRYPTORCHIDISM
Bilateral *cryptorchidism* in a bull [Clinical and anatomicalobservations]. 033874

CRYSTALLINE
Considerations on **cellulose** *crystallinity.* 035723
Obtaining catalase in *crystalline* **form)** from the fungus Penicillium vitale Pifopl. et Bilai. 036910
Studies on biosynthesis of soluble **lens** *crystallin* antigens in the chick by isoelectric focusing in thin-layer polyacrylamide gel. 033888
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and **three-dimensional** *crystalline* arrays of cowpea chlorotic mottle virus. 038922

CRYSTALLIZATION
Effect of **water** *crystallization* on spermatozoids during freezing of [stallion] semen. 034808

CRYSTALLOGRAPHY
Crystallographic **data** and circular dichroism spectrum of lipase from Geotrichum candidum Link [Fungi]. 036328

CRYSTALS
The packing of southern bean mosaic virus [cowpea strain] in various *crystal* **cells.** 038924
Production of a *crystal* **clear,** bland tasting protein solution from cheese whey. 032956
On *crystals* in the **fruits** of Grewia subinaequalis. 036335
Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. Crystal tubes, **intercalary** *crystals,* K fabric. 040706
Crystal and **molecular** structure of eupatolide, the major cytotoxic principle from Eupatorium formosanum Hay. 037024
Crystal **structures** of (5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione and (5E,12E)-7beta-acetoxybertya-5,12-diene 3,14-dione [Bertya cuppressoidea]. 037025
Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. *Crystal* **tubes,** intercalary crystals, K fabric. 040706

CUCUMBERS
Biosynthetic pathway of *cucumber* **alcohol:** trans-2,cis-6-nonadienol via cis-3,cis-6-nonadienal. 037804
Epidemiology of Vibrio parahaemolyticus infection in humans[Raw fish, shellfish, and *cucumbers* in **brine].** 032111
Microbial inhibition by an isolate of Pediococcus from *cucumber* **brines.** 031950
Chloroplast biogenesis. Biosynthesis and accumulation of protochlorophyll by isolated etioplasts and developing **chloroplasts** *[Cucumbers].* 037638
Relationship of irrigation with **cultured** *cucumber* variety and with the climate. 041221
The study of leaking of soil on *cucumber* **field** with the application of chopping irrigation. 041222
Comparative evaluation of certain **foreign** *cucumber* varieties. 038228
The effect of pre-irradiation of seeds with gamma-rays on biology and **fruitfulness** of *cucumbers.* 037827
Pollination and the timing of **fruit-set** in *cucumbers.* 037736
Rationalization of transport of *cucumber* **harvested** in greenhouses. 038316
Cucumber **mildew** [Pseudoperonospora cubensis] in protected cultures. 038725
Controlled fermentation of *cucumbers* with **pure** bacterial strains [Pickling]. 033449
Will there be a complete revolution in the cultivation of tomatoes and *cucumbers* in **regard** to nutritional requirements? [Soilless culture]. 037715
The relationships among Umbelliferone, growth and peroxidase levels in *cucumber* **roots.** 037625
The relative advantage of sowing large **seeds** of *cucumbers.* 038348
Fertilizer schedule for greenhouse tomatoes and *cucumbers* in **southwestern** Ontario. 041059
Yield response of resistant and **susceptible** *cucumber* cultivars to scb infection [Cladosporium cucumerinum]. 038636
Effect of non-root nutrition supplements on yield and quality of *cucumbers* and **tomatoes** in hydroponic greenhouses of the southern Ukraine [Soilless culture]. 041124

CUCURBITA
Rhythmic oscillations of phytochrome and its pelletability in *Cucurbita* **pepa** L. [Squash]. 037791
Crested thylakoids in carotenoidoplasts of subepidermal cells of the **pumpkin** *Cucurbita* pepo L. var. aurantiformis hort. 037874

CUCURBITACEAE
Temperature effects on cleistothecium formation of *cucurbits* **powdery** mildew [Sphaerotheca fuliginea]. 038664
Residues of carbaryl [insecticide] in ridge gourd (Lufa acutangula **Roxb.:** *Cucurbitaceae).* 039230
Structure, ontogeny, classification and organographic distribution of **trichomes** in some *Cucurbitaceae.* 036310

CULEX
A new species of **bromeliad-breeding** *Culex* (Culex) [dohenyi] from Cocos Island. 040119
A new species of *Culex* **(Eumelanomyia)** [manusensis] Theobald from Manus Island, Papua-New Guinea (Diptera: Culicidae). 040120
Variants of artificial infection of *Culex* **modestus** larvae with the entomopathogenic fungus Coelomomyces iliensis. 039895
Overcrowding factors of mosquito larvae. VII. Preparation and biological activity of methyloctadecanes and methylnonadecanes against mosquito larvae [of *Culex* **pipiens** quinquefasicatus]. 039468
Control of *Culex* **pipiens** molestus Forsk. Under the conditions of Leningrad. 039497
Genetics of eye-gap and maroon-eye mutants in the mosquito *[Culex* **pipiens**]. 039852
Reciprocal crossing of *Culex* **pipiens** pipiens with Culex pipiens molestus and the development of parental and hybrid generations. 039915
The effects of different blood-meal sources on digestion and egg production in *Culex* **tarsalis** Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. 039488
Studies on physicochemical and biological properties of two ungrouped arboviruses: Minnal and Arkonam [Isolated from *Culex* **vishnui** and Anopheles subpictus]. 039464

CULICIDAE
Photoperiodic and temperature induction of egg diapause in Aedes caspius caspius Pall. **(Diptera,** *Culicidae).* 039500
Relation between diel activity and respiration in Armigeressubalbatus (Coquillett) **(Diptera:** *Culicidae).* 039856
A new species of **Aedes** (Stegomyia) [krombeini] from Sri Lanka (Ceylon) **(Diptera:** *Culicidae).* 040118
A new species of Culex (Eumelanomyia) [manusensis] Theobald from Manus Island, Papua-New Guinea **(Diptera:** *Culicidae).* 040120
Notes on a catalogue of *Culicidae* of the **Ethiopian** region. 040122
The effects of different blood-meal sources on digestion and egg production in Culex tarsalis Coq. (Diptera: *Culicidae)* **[Identification** of host-blood sources or host preferences]. 039488
Peculiarities in the structure of the female's head as a taxonomic character in the family of **mosquitoes** *[Culicidae].* 040055
Sexual behavior maturation in male Aedes triseriatus (Diptera: *Culicidae):* a **re-examination.** 039858
Autogenetic development of ovaries in mosquitoes of the genus Aedes (Diptera, *Culicidae)* in the **south** Yamal. 039965
A taxonomic revision of certain Aedes species (Diptera: *Culicidae)* of the **subgenus** Aedimorphus in southern Africa [New taxa]. 040097

CULICOIDES
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California vallley quail [Culicoides multidentatus, *Culicoides* **lophortygis**]. 040003
A mass attack by the biting **midge** *Culicoides* nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of sewage discharge. 039494
Photoperiodic induction of the diapause of the egg phase in the bloodsucking **midge** *Culicoides* pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California vallley quail *[Culicoides* **multidentatus,** Culicoides lophortygis]. 040003

CULINARY *see* **COOKERY**

CULTIVARS
Changes in polyphenoloxidase activity and substrate levels in maturing 'Golden Delicious' **apple** and other *cultivars.* 037729
A classification of hardy North American **apple** *cultivars* based on hardiness zones [Varieties]. 038299
Protein composition in developing groats of an Avena sativaL. *cultivar* and an **Avena** sativa X Avena sterilis L. selection [Oats]. 036438
Incidence of Helminthosporium [gramineum] stripe on **barley** *cultivars* in Bihar. 038691
Response of **barley** *cultivars* grown at two nitrogen levels. 041011
Differential reaction of Kentucky bluegrass [Poa pratensis] *cultivars* to the **bluegrass** billbug, Sphenophorus parvulus Gyllenhal. 039273
Varietal trials of miniature **carnation** *cultivars* [Dianthus caryophyllus]. 038387
Cultivars of **Chinese** gooseberry (Actinidia chinensis) in New Zealand. 038290
Parasitic nematodes associated with *cultivars* and **clones** of banana and plantain in Venezuela. 039043
A comparative analysis of growth of ten Egyptian **cotton** *cultivars* (Gossypium barbadense L.). 037609
Yield response of resistant and susceptible **cucumber** *cultivars* to scb infection [Cladosporium cucumerinum]. 038636
Differentiation of *cultivars* and **cultivar** groups of Poa pratensis by the fluorescence of their alkaline extracts. 038150
The occurrence of stalk rot [Fusarium] of maize in dependence on row distance and susceptibility of **hybrid** *cultivars.* 038834
Cultivar **identification** and purity determination [Wheat, grasses]. 038149
Characteristics of pistachio kernel oils from **Iranian** *cultivars.* 033419
Late-ripening peach cultivars: remarks on some **new** *cultivars* that should replace the [variety] J. H. Hale [in Italy]. 038383
A **new** *cultivar* of presumable hybird between Camellia japonica and Camellia sasanqua. 038394
In vitro tissue culture of sweetpotatoes, Ipomoea batatas (L.) Lam., for the production of **new** *cultivars.* 038458
Nature of specific susceptibility to Alternaria kikuchiana in **Nijisseiki** *cultivar* among Japanese pears. IV. Target tissues of Alternaria kikuchiana toxin and their characteristic responses. 038733
Utilization of explants for evaluating susceptibility of **oat** *cultivars* to Septoria avenae f. sp. avenae. 038777
Average gene frequency estimates in two **open-pollinated** *cultivars* of corn. 036421
A study on the number of ovules per fruit set in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding **parent** *cultivars* [Heterosis]. 036472
Late-ripening **peach** *cultivars:* remarks on some new cultivars that should replace the [variety] J. H. Hale [in Italy]. 038383
Mock-oranges in the landscape **[Philadelphus,** *cultivars].* 038335
Identifying Kentucky bluegrass (Poa pratensis) *cultivars* by **seed** morphological characters. 038151
Keeping quality of fresh date fruits as affected by *cultivar* and **storage** temperatures. 033361
Some views concerning short day effects on [growing] Redgauntlet under **glass [Strawberry** *cultivars].* 037878
Correlation study of quality and yield contributing characters in early maturing **sugarcane** *cultivars.* 038034
Studies on the characteristics of **sugi** *cultivars* (Cryptomeria japonica D. Don) in Kyushu by the experimental designs. i. Analysis of the five years growth in randomized. 035639
In vitro development of haploid embryos of Nicotiana **tabacum** *cultivar* Kentucky [Tobacco, tissue culture]. 037352
Agronomic investigations on *cultivars* of **table** broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on deep-freezing of their beans. 038462
Plant introductions in the improvement of **vegetable** *cultivars.* 036537
New **wheat** *cultivars* and longevity of rust resistance, 1971-75 [Fungus diseases]. 038575
Genetics of stem rust [Puccinia graminis tritici] resistance in **wheat** *cultivars* Romany, Es.p 518/9, Bonny and Tama. 038593

CUNNINGHAMELLA
Formation and distribution of free amino acids in the mycelium of *Cunninghamella* **elegans** [fungi] during growth on mediawith glucose or dodecane. 037119

CUPRESSACEAE
Re-evaluation of *Cupressaceae* and **Taxodiaceae:** a proposed merger. 036056

CUPRIC
Stimulation of ethylene production in the mung bean hypocotyls by *cupric* **ion,** calcium ion, and kinetin. 037527

CURATIVES
Curative and **prophylactic** measures taken in a poultry factory [Infectious diseases, Kuibyshev Region]. 035233

CURCULIO
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, *Curculio* **caryae**]. 037760
CR 17-1-13, CR 18-13-1, CR22-2-21, **cowpea** *curculio* [Chalcodermus aeneus] resistant southernpea [Vigna unguiculata] germplasm [from South Carolina]. 039336

CURCULIONIDAE
A new species of Smicraulax [piercei] from Mexico, with key to species of the genus **(Coleoptera:** *Curculionidae).* 040037

Tychius flavicollis Stephens (Coleoptera, *Curculionidae)* in **Cumbria.** 040035
Reaction of sweet potato varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: *Curculionidae)* and on the **possibility** of picking up of infestation by weevil. 039351
Wiltshire Coleoptera, with particlar reference to Limobius borealis (Payk.) *(Curculionidae),* and a **record** from Gloucestershire. 040036
Food relations of weevils of the subfamily Apioninae (coleoptera, *Curculionidae)* with **trees** and bushes. 039214
A new weevil of the genus Dorytomus [kerzhneri] Germ. (Coleoptera, *Curculionidae)* from the **USSR.** 040064
A review of the weevils of the tribe Cyphicerini (Coleoptera, *Curculionidae)* in the **USSR.** 040066

CURCUMA
Effect of different carbon sources on growth, sporulation and production of toxic metabolite in culture of Sphaceloma curcumae *[Curcuma* **longa**]. 038682

CURDS
Domiati cheese from pasteurized milk. I. *Curd* **formation.** 032934

CURING
Physical guide values for meat technology. II. 4. **Cooked** *cured* meat products. 5. Liver **sausage.** 6. Blood sausage. 033062
Inflation—Its causes, its **effects** and its *cure.* 031636
Scientific modernization of marketing can *cure* the **ills** [Poultry]. 031709
Dimethylnitrosamine in souse and similar **jellied** *cured-meat* products. 032011
Toxic and dystrophic manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and salted lard and the **means** of *curing.* 032392
The history and use of nitrate and nitrite in the *curing* of **meat.** [Food flavoring]. 033078
Inflation—probable causes and **possible** *cures* [Agricultural prices]. 031637
Dry sausage and raw meat products. II. Raw meat products. Smoking and storage of **raw** *cured* meat. 033057
Physical guide values in meat technology. III. 7. Dry **sausage.** 8. **Raw** *cured* meat products. 033061
Studies on **smoke** *curing* of tropical fishes. 032798
Effect of sources of nitrogen on *flue-cured* **tobacco.** 040856
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an ammonia **vapor** *cure].* 031959

CURRANTS
Genetics and breeding of **black** *currant.* I. Methods of selecting samples for selection-genetic analysis. 036517
Black *currant* production on an industrial basis [in East Germany]. 038465
A method for culturing root aphids [Eriosoma patchae, Eriosoma ulmi, Senecio, *currants* and **gooseberries].** 039699
Growing *currants* and gooseberries [Culture]. 038220
Formation of cleistothecia in Sphaerotheca mors-uvae **[Mildew,** *currants].* 038819
Redistribution of endogenous cytokinins in geotropically stimulated Ribes nigrum *[currant]* **roots** and shoots. 037886

CURRICULUM
Problems on *curriculum* **development** in extension personnel training. 031095
Nutrition as part of the medical **school** *curriculum.* 032469

CURRY
Preliminary observations on the survival of Salmonella in *curry,* **sambar,** coriander and red-chilly powders [Food poisoning]. 032087

CURVULARIA
Curvularia **[lunata]** leaf spot of Japanese mint in India. 038649
11beta-hydroxylation of progesterone with *Curvularia* **lunata[Fungi].** 036997

CUSCUTA
Studies on alfalfa grown after cutting **dodder** *(Cuscuta)* infection: changes in content and nature of phenolics [Weed control]. 039134
A study on alfalfa-dodder *[Cuscuta* **epithymum]** relationshipsby 14C [carbon isotope]-sucrose incorporation in their tissues. 039110
Cuscuta **reflexa**—a new host for Aphis craccivora [Citrus]. 039327

CUSTOMS
We have stopped at 1927 with our **civic** *customs* [Land reform, legislation, history]. 031154

CUTANEOUS
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of *cutaneous* **blood** flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. 034125
Crested thylakoids in carotenoidoplasts of *subepidermal* **cells** of the pumpkin Cucurbita pepo L. var. aurantiformis hort. 037874
Cutaneous **heat** exchanges of piglets reared in a tropical climate. I. Influence of climatic conditions and influence of the breed. 033748
Measurement of *cutaneous* **heat** exchanges in swine reared under shelter by means of the energy balance method. 033751
Self-immunization in the *cutaneous* **papillomatosis** in cattle. 035194

CUTICULAR
The ultrastructure of the adult **abdominal** *cuticle* of Tenebrio molitor L. (Insecta: Coleoptera). 039939
Environmental influences on *cuticle* **development** and resultant foliar penetration. 036836
Mechanical properties of some **larval** *cuticles* [Agenius zebra, Bombyx mori]. 039841
The microfiber texture in a specialized **plastic** *cuticle* area within a sensillum field on the cockroach [Periplaneta americana] maxillary palp as revealed by freeze fracturing. 039673
Ultraviolet-induced changes in *cuticular* **waxes** of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). 039669
The water content of muscle and *cuticle* of the **woodlouse** Oniscus asellus in conditions of hydration and desiccation. 039682

CUTTERS
The preparation of the *cutter* **bar** of reapers for harvesting lodged cereals. 040549
Leaf-cutters **[Megachile]** of the serpentine. 039807
Effect of roughness of the front edge of *cutters* on **striking** strength of cutting elements [Wood processing]. 035808

CUTTINGS
Research concerning the production of *cut* **anthuriums** [Anthurium andreanum] in the South Holland glasshouse district, crop year 1974 [Yield]. 038426
Usefulness of [poplar] *cuttings* in the **biological** management of coal mine dumps [Afforestation]. 035691
Clout counts: co-op buying can *cut* **costs** 20%. 032707
Vibration of chainsaw in timber **cross** *cutting.* III. 035707
Vibration of chainsaw in timber **cross** *cutting.* IV. Protection provided by the vibration multi-isolating equipment. 035708
The importance of solving the problems with **dividing** *cut* of logs for the sawn wood industry in the German Democratic Republic. 035772
Studies on alfalfa grown after *cutting* **dodder** (Cuscuta) infection: changes in content and nature of phenolics [Weed control]. 039134
Growing Nandina **domestica** from *cuttings.* 037832
Root formation in poplar [Populus nigra] *cuttings:* the **effect** of the leaf on root formation. 035660
Effect of roughness of the front edge of cutters on striking strength of *cutting* **elements** [Wood processing]. 035808
Barley, oats, and field **beans** with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on **first** *cut,* cover crop and nitrogen level on yield and quality of yield. 038171
The effect of macronutrients and their dates of application on the *cut* **flower** and seed yield with summer asters [Callistephus chinensis]. 040941
United States imports more *cut* **flowers.** 031613
Import of *cut* **flowers.** 031617
How to lengthen the life of *cut* **flowers?** 033383
Nutritive value [for ruminants] of **green** *cut* maize ensiled by a trench method. 034285
Studies on propagation of Ficus by **hardwood** *cuttings.* 038266
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of *cuttings* **[Ilex,** Ligustrum japonicum, Juniperus chinensis]. 041068
Problem of the regeneration of fir and mixed stands with fir with the use of **improved** *cutting* methods in the light of studies in the VIth Land—Central Poland Uplands. 035623
Effect of **improvement** *cutting* of young stands of Pinus nigra caramanica on biological activity of soil. 035594
Effect of chemical treatment of stumps from **improvement** *cutting* areas on the population and destruction by root rot. 038745
Utilizing the independent [food] research organization to extend uses for a *cost-cutting* **ingredient.** 032816
Response of 'Thompson Seedless' grapevines to the timing of preharvest **irrigation** *cut-off.* 041230
Equipment probe 7: *cut* **labor** and material costs with systematized dishwashing. 032663
General and specific features in the process of rhizogenesis in stem and **leaf** *cuttings* of kidney beans. 037678
Effects of **multiple** *cuttings* per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
Industrially organized production of *cut* **orchid** flowers with the example of Paphiopedilum. 038312
Influence of nutrition on rooting capacity of [glasshouse **ornamental]** *cuttings.* 037787
Plant [fungus] disease toll is *cut* with **resistant** varieties. 038831
Estimation of the composition of beef carcasses from the composition of the 11th **rib** *cut.* I. Anatomical composition. 033039
Rooting *cuttings* of Crimson Pygmy Barberry [Berberis thunbergi]. 037834
Results of simulating wildlife browsing by *cutting* **shoots** [of forest trees]. 035481
Helpful hints to *cut* down on **sodium** [Diet]. 032194
Propagating deciduous and evergreen shrubs, trees, and vines with **stem** *cuttings.* 035681
Commercial production of VTSC [virus tested **stem** *cutting]* seed potatoes]. 038877
Crushing roots by *cutting* **[Sugarbeets].** 033139
Mist propagation of cassava **tip** *cuttings* for nutritional studies: effects of substrate calcium concentration, temperature and shading. 038509
Rooting of *cuttings* from **tops** and stumps of American elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Investigations on the role of gibberellic acid (GA3) and chlorocholine chloride (CCC) in the process of rooting of willow (Salix **viminalis** L.) *cuttings.* 037901
On the behaviour of the coefficient of static friction under vibration **[Wood** *cutting].* 035769
Study of forces in relation to shaving-less **wood** *cutting.* 035822

CUTWORMS
Host range of the **black** *cutworm* [Agrotis ipsilon] on vegetables: a bibliography. 039322
An annotated bibliography of the **dark-sided** *cutworm,* Euxoa messoria (Harris) [Horticultural plants]. 039361

CYAMOPSIS
Natural crossing in guar, *Cyamopsis* **tetragonoloba** (L.) Taub. 036435

CYANAMIDE
Effect of **calcium** *cyanamide* on the structure index of the soil. 040559

CYANIDES
Effects of *cyanide* and **doxapram** during hypothermia [Dogs]. 034128
Effects of *cyanide* and **doxapram** during panting [Dogs]. 034129
Change in amount of *cyanides* in **wines** relative to treatment with potassium ferrocyanide. 033456

CYANO
Inhibition of fungicidal action of *cyano* **(methylmercuri)** guanidine by cysteine and glutamic acid [of Sclerotium rolfsii]. 038697

CYANOGEN
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of peptides from *cyanogen* **bromide** hydrolysate. 033783
Varietal and topographic variability of *cyanogenic* **glucoside** occurrence in bird'sfoot trefoil (Lotus corniculatus L.). 037511
Contribution to the explanation of the biogenesis of *cyanogenic* **glucosides** [in trefoil and flax]. 037501
The occurrence of *cyanogenic* **glucosides** in the cultivated plants [Field crops]. 037508
The variations in the content of *cyanogenic* **glucosides** in ontogenesis of bird'sfoot trefoil (Lotus corniculatus L.). 037510
A **new** *cyanogenic* glucoside from Heterodendron oleaefolium. 037157

CYANOPHYCEAE
Phycobiliproteins [in *Cyanophyceae,* **Rhodophyceae,** Cryptophyceae, algae]. 036799
A survey of different types of **vacuoles** in the *Cyanophycese[Algae].* 036313

CYATHEACEAE
Hybrids in **American** *Cyatheaceae* [Pterydophyta]. 036637

CYCAS
Variants of *Cycas* **revoluta** Thunb. 036041
A natural stand of *Cycas* **taiwanensis** Carr. 036125

CYCLOHEXIMIDE
The effect of *cycloheximide* on **absorption** of ions by bean (Phaseolus vulgaris L.) roots. 037633
The effect of protein synthesis inhibition by *cycloheximide* on the **fractionation** of chloroplast structural elements [Barley]. 037400
The effect of chloramphenicol and *cycloheximide* on **meiotic** zoosporogenesis and mitotic gametogenesis in Ulva mutabilis [Algae]. 036413

CYCLOPEPTIDES
The *cyclopeptide* **alkaloids** [Plants]. 036754

CYCLOPHOSPHAMIDE
Mutagenic activity of *cyclophosphamide,* **trofosfamide,** and ifosfamide in Drosophila melanogaster. Specific induction of recessive lethals in the absence of detectable chromosome breakage. 039881

CYCLOPROPANE
Effects of **two** *cyclopropane* miticides on Tetranychus urticae (Acari, Tetranychidae). 039198

CYCOCEL
Effect of *cycocel* on **growth,** flowering and yield of Vicia faba L. [Broadbeans]. 037339

CYLAS
Reaction of sweet potato varieties to the damage of the weevil, *Cylas* **formicarius** (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
Residues of certain systemic insecticides in sweetpotato tubers *[Cylas* **formicarius].** 039534

CYLINDROCLADIUM
Post-harvest decay of fruits of tomato caused by *Cylindrocladium* **scoparium.** 038706

CYMBIDIUM
Nutrient requirements for germination of seeds & development of protocorms & seedlings of *Cymbidium* in **aseptic** cultures. 036994

CYNARA
Effect of **artichoke** *(Cynara* scolymus L.) extracts on urination and salt voidance of rats. 034886

CYNIPIDAE
Distribution of lipids and starch in nutritive tissues of **five** *cynipid* galls. 039232

CYNODON
Effects of [the herbicide] Roundup on woody landscape plants [in **controlling** *Cynodon* dactylon]. 039176
Coastal Bermuda *[Cynodon* **dactylon]** for grazing and hay production [Feeding beef cattle]. 034437
The use of anthelmintics in rotational grazing coastal Bermudagrass *[Cynodon* **dactylon]** for maximum gains [Beef cattle]. 035145
Some parasitic fungi on *Cynodon* **dactylon** from Varanasi. 036000
Effects of Bermudagrass *[Cynodon* **dactylon]** competition on the establishment and growth of woody plants in the landscape. 036246
Roundup—the end of perennial weeds [Sorghum halepense, *Cynodon* **dactylon,** Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. 039104
Controlling common Bermudagrass *[Cynodon* **dactylon]** in nonproduction areas [around nursery beds]. 039173
Controlling common Burmudagrass *[Cynodon* **dactylon,** around nursery beds] with hand-applied applications of [the herbicide] Roundup. 039174
No till and seedbed production of small grains-ryegrass [Lolium] mixture for forage in east Texas *[Cynodon* **dactylon].** 041147

CYPERUS
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, *Cyperus* **rotundus**] in tree and vine crops? [Stone fruits, grapes]. 039104
Purple nutsedge *[Cyperus* **rotundus]** control and tolerance ofturfgrasses to herbicide treatments. 039172

CYPRINUS
Sublethal effect of 5-chlorouracil on **carp** *(Cyprinus* carpio) larvae. 039577

CYSTEINE
Cysteine **biosynthesis** in Aspergillus nidulans. 036726
Inhibition of fungicidal action of cyano (methylmercuri) guanidine by *cysteine* and **glutamic** acid [of Sclerotium rolfsii]. 038697
Biosynthesis of firefly [Luciola cruciata] luciferin. Probable formation of benzothiazole from **p-benzoquinone** and *cysteine.* 039675
Cysteine **sulfinate** carboxylase in the visual pathway of adult chicken. 034100
Effect of selenium on the 35S **[sulfur** *isotope]-cysteine* metabolism in lambs. 033881

CYSTINE
A comparison of strontium selenite broth and *mannitol-selenite-cystine* **broth** in the isolation of salmonellae from egg products. 031962
Synthesis and biological activity of some *cystine* **peptides** from the active center of the basic trypsin inhibitor from bovine organs (Kunitz-Inhibitor). 033922
Study of the enzymatic activity of human and anaimal **serum** *cystine* aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium [Sheep, cattle]. 034225

CYSTOSEIRA
Researches in the field of seaweeds *[Cystoseira* **barbata]** chemistry. IV. Molecular structure of alginic acid [Algae]. 036863

CYSTS
Cereal *cyst* eelworm [Heterodera avenae, Nematodes]. 038948
The influence of increasing amounts of nitrogen on the propagation of the **cereal** *cyst* nematode, Heterodera avenae Woll. [Oats, barley, wheat, rye]. 039068
The biology of cereal-cyst nematode, Heterodera avenae in India. I. Effect of moisture and temperature on the survival of *cyst* **contents.** 039004
Effects of the ingestion of vitamin E with vitamin A on serum levels and urinary creatine/-creatinine in children with *cystic* **fibrosis.** 032274
Cystic **hyperplasia-pyometra** complex: focal neoplastic endometrial hyperplasia in older bitches. 035353
Corneal epithelial **inclusion** *cyst* associated with keratectomy in a dog. 035342
The biology of *cereal-cyst* **nematode,** Heterodera avenae in India. I. Effect of moisture and temperature on the survival of cyst contents. 039004
Light and electron microscope studies on *cysts* of **Sarcocystis** ovicanis Heydorn et al. (1975) within muscle fibres of sheep. 035286
Light and electron microscope studies on *cysts* of **Sarcocystis** fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
Chemical control of the **sugarbeet** *cyst* nematode [Heteroderaschachtii] in Imperial Valley. 038965
Sarcocysts in sheep: differences in *cyst* **wall** structure. 035156

CYTOCHEMISTRY
The intracellular digestive apparatus of cultured chicken heart cells. A morphological, **enzyme** *cytochemical,* and morphometriec study. 034247
Electron-cytochemical **study** in localization of glucose-6-phosphatase activity of cytoplasm of Funaria hygrometrica cells. 036365
The apical aparatus of the suboperculate ascus *[Cytochemical* and **ulrastructural** studies, fungi, Sarcoscyphineae]. 036294
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by *cytochemical* and **X-ray** microanalysis [Algae]. 036341

CYTOCHROMES
Purification and properties of the intact form of NADH [naphthaleneacetic **acid** *dehydrogenase]-cytochrome* b5 reductase from rabbit liver microsomes. 034032
Studies on *cytochrome* c. XI. **Circular** dichroism studies on synthetic peptides related to the C-terminal region of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Cytochrome P-450 of **higher** plants: its relation to other systems and reactivity. 037304
Cumene hydroperoxide-mediated formation of inhibited complexes of methylenedioxyphenyl compounds with *cytochrome* P-450 **[Insecticide** synergists]. 039595
Redox conversions of *cytochrome* f in **isolated** chloroplasts of pea. 037866
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on **light-induced** *cytochrome* changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Purification of liver **microsomal** *cytochrome* P-448 from 3-methylcholanthrene-treated rabbits. 034107
Cytochrome b-563 **redox** changes in intact CO2- [carbon dioxid]-fixing spinach chloroplasts and in developing pea chloroplasts. 037652
Cytochrome P-450 and **steroidogenesis** [Swine, testes]. 034198
Protection of *cytochrome* P-450 by **substrates** against Tween-80-assisted thermal denaturation [Saccharomyces cerevisial]. 037309
Studies on *cytochrome* c. X. **Synthesis** of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
Studies on *cytochrome* b2 **synthesis** in Saccharomyces cerevisiae. 036727
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's **yeast** *iso-1cytochrome* c [Saccharomyces cerevisiae]. 032724
Mapping and gene conversion studies with the structural gene for *iso-1-cytochrome* C in **yeast** [Saccharomyces cerevisiae]. 036507
Induction of *cytochrome* P-450 in **yeast** [Saccharomyces cerevisiae] by phenobarbital. 037306

CYTODIFFERENTIATION
Development and *cytodifferentiation* of the **rabbit** pars intermedia. I. Fetal and perinatal stages. 033858

CYTOGENETIC
The effect of storage and culinary treatment of irradiated potatoes on the *cytogenetic* **activity** of extracts obtained from them. 032499
Cytogenetic **activity** of dichlorvos [insecticide] in barley. 039284
Cytogenetic **analysis** of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosome mutations [Onions, broadbeans]. 036667
Studies on chemically induced dominant lethality. I. The *cytogenetic* **basis** of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ cells [Mice]. 034758
Cytogenetic **characterization** of some herbicides applied to maize. 039170
Cytogenetics of **cultivated** Bougainvilleas. VI. Hybridization. 036717
Comparative investigation of *cytogenetic* **effect** of certain organophosphorus pesticides [Mice]. 034625
Cytogenetic **effect** of N-nitroso-N-methyl urea on cells of Crepis capillaris L. seeds stored for a long time after treatment. 036954
Trilliums in Hokkaido. *Cytogenetics* of **evolution** and population of Japanese Trillium. A review. 036581
Cytogenetic **investigation** of mutation process in the population and pure lines of rye seeds (Secale cereale L.) under storage. 036511
Results of a *cytogenetic* **investigation** of workers exposed to the fungicide zineb. 039594
The future use of *cytogenetics* in the **manipulation** of domestic animal populations. 034762
Experimental mutagenesis in apple. II. Characteristics of development and *cytogenetic* **modifications** in Malus domestica L. induced by dimethyl sulfate. 036671
Cytogenetic **observations** in Ceratitis capitata. 039737
Polytene chromosomes of the sandfly Lutzomyia longipalpis and the *cytogenetics* of **Psychodidae** in relation to other Diptera. 039838
Cytogenetic **relationships** and barriers to gene exchange in Arachnis [Peanuts]. 036611
Cytogenetic **research** on hexaploid alfalfa, Medicago sativa L. 036414
The *cytogenetic* **structure** of Tasmanian populations of Phaulacridium vittatum. 039678
A *cytogenetic* **study** of the effect of the joint action of ethyleneimine and gamma rays on the cells of Crepis capillarisseeds in two successive mitotic cycles. 036663

CYTOKININS
Synthesis and *cytokinin* **activity** of N-acylaminodeazapurines[Tests with tobacco pith callus]. 037515
Glucose-6-phosphate dehydrogenase in tobacco callus strains differing in their growth and their requirement for **auxin** and *cytokinin.* 037369
Redistribution of **endogenous** *cytokinins* in geotropically stimulated Ribes nigrum [currant] roots and shoots. 037886
Natural *cytokinins* and dormancy of tulip bulbs [Tulipa alberti]. 037864
Incorporation of *cytokinin* **N6-benzyladenine** into tobacco callus transfer ribonucleic acid and ribosomal ribonucleic acid preparations. 037813
Contribution to the study of *cytokinin* **production** by phytopathogenic fungi [Monilia, Cytospora]. 038579

CYTOLOGY
Glycine canescens F. J. Herm., a wild relative of the soybean [Morphological, *cytological,* and **certain** chemical characteristics]. 036301
Cytological **characteristics** of bovine kidney cell culture chronically infected with foot-and-mouth disease virus. 035279
The crested wheatgrasses [Agropyron cristatum] of Iran [Distribution, *cytology,* **morphology,** and fertility]. 035997
Brief notes on the *cytology* of **neotropical** Coleoptera. I. Colaspis tricolor Perty (Chrysomelidae: Eumolpinae: Colaspini). 040087
Nucleic acid hybridization to the DNA of *cytological* **preparations** [Includes Drosophila]. 039875
Pharmacognostic studies on some species of the genus **Rhanmus.** 1. *[Cytology].* 036326
The taxonomy and *cytology* of the **Sedum** laconicum agregate in south-eastern Europe. 036120
Biochemical and *cytological* **studies** of mitochondrial development in chloramphenicol-induced rice coleoptiles. 037360
Histological and *cytological* **study** of the tergal gland of Leucophaea maderea and its evolution during the sexual maturation of the male. 039625
A *cytological* **study** of two closely related blackfly species: Cnephia dacotensis and Cnephia ornithophilia (Diptera: Simuliidae). 039657

CYTOMEGALOVIRUS
Murine *cytomegalovirus* (MCMV) [Animals, mice, human]. 034965
The behaviour of **porcine** *cytomegalovirus* in commercial pig herds. 035114

CYTOPATHOLOGY
Cytopathology of **large** cardamom and ginger infected with wheat mosaic streak virus. 038680

CYTOPHOTOMETRY
A study of similar species of aphids with different karyotypes by the method of **DNA** *cytophotometry* [Anuraphis farfarae, Anuraphis subterranea]. 039691

CYTOPHYSIOLOGY
The *cytophysiology* of **insect** blood. 039612

CYTOPLASM
Polar distribution of RNA in *cytoplasm* of **Acetabularia** mediterranea [Algae]. 037271
Primary structure of *cytoplasmic* **aspartate** aminotransferase from porcine myocardium. Amino acid sequence of peptides from cyanogen bromide hydrolysate. 033783
Reaction of diallel crosses of maize in T and N *cytoplasms* to **Bipolaris** maydis race T [Breeding for disease resistance]. 038599
The relationship between peptide hydrolases of *cytoplasm* and **brush** borders of guinea-pig small-intestinal mucosa. 034215
Cycling aggregation patterns of *cytoplasmic* **F-actin** coordinated with oscillating tension force generation [Physarum polycephalum, fungi]. 036300
Influence of *cytoplasms* on the **fatty** acid composition of two maize inbred lines. 036559
Electron-cytochemical study in localization of glucose-6-phosphatase activity of *cytoplasm* of **Funaria** hygrometrica cells. 036365
Effect of *cytoplasm* on the **hereditary** variability in wheat. 036644
Cytoplasmic **inheritance** and mitochondrial genetics in yeasts [Saccharomyces cerevisiae]. 036584

Identification of the small subunit of ribulose 1,5-bisphosphate carboxylase as a product of wheat **leaf** *cytoplasmic* ribosomes. 037357
Pigments of the vegetable organs of soft winter wheat plants with *cytoplasmic* **male** sterility. 036466
Induction of CMS *[cytoplasmic* **male** sterility] in cotton by means of radiation-induced mutagenesis. 036520
Variable restorers of Texas type CMS *[cytoplasmic* **male** sterility] in corn. 036695
The effect of vinblastine on spermiogenesis in Drosophila melanogaster: evidence for two functional classes of *cytoplasmic* **microtubules.** 039865
Cytoplasmic **oestrogen** receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment [Sheep]. 034666
Study of the dynamics of formation of the surface membrane in isolated microdroplets of *cytoplasm* of **Phycomyces** blakesleeanus [Fungi]. 036307
Cytoplasmic **synthesis** of soluble and mitochondrial malate dehydrogenase isozymes in maize. 037356
Genetic and evolutionary relationships between plastids and the *nuclear-cytoplasmic* **system.** 036542
Influence of Triticum timopheevi **Zhuk** *cytoplasm* on certain biological and agronomic characters and qualities of winter soft wheat [Breeding]. 036475
Physiological peculiarities of winter soft wheat sterile analogues with Triticum timopheevi **Zhuk** *cytoplasm.* 036481

CYTOSPORA

Perfect stage of *Cytospora* **ambiens** causing canker of apple trees in India. 038660
Contribution to the study of cytokinin production by phytopathogenic fungi **[Monilia,** *Cytospora].* 038579
Brown sapwood stain of ponderosa pine [Pinus] caused by *Cytospora* **sp.:** cultural and histological aspects. 038764

CYTOTAXONOMY

Cytotaxonomy of **Liliales.** 036006

CYTOTOXIC

Crystal and molecular structure of eupatolide, the **major** *cytotoxic* principle from Eupatorium formosanum Hay. 037024
Cytotoxicity of **staphylococcal** enterotoxins [Chick embryos]. 035074
Synthesis of eupatilin & eupafolin, the **two** *cytotoxic* principles from the Eupatorium species. 036988

DACTYLIS

Results of four years of grazing experiments with *Dactylis* **glomerata** associated with five different legumes. I. Evolution of the soil-covering ability of the seeded species and some weeds. 037973
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, *Dactylis* **glomerata,** Lolium perenne, Festuca gigantea]. 038121
Studies on competition between grasses and legume in mixed sward *[Dactylis,* **Ladino** clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243
Dates, methods and rates of sowing orchardgrass *[Dactylis]* for **seed.** 038056

DAIRY

The incidence of Propionibacteria in South **African** *dairy* products [Contamination]. 032131
Comparative performance of buffaloes and Sahiwal cows as *dairy* **animals.** 033600
Survey of the **Austrian** *dairy* economy. 031232
Influence of the type of forage harvester on the value of grass silages for heifers of *dairy* **breeds.** 034292
Treating diarrhea of *dairy* **calves.** 034977
Production system and production design for *dairy* **cattle** [Management]. 031348
Tax exempt feed concentrates during a critical period do not cost the government a coin [Costs, *dairy* **cattle].** 031479
Credit assistence for *dairy* **cattle** raising [Brazil]. 031503
Dairy **[cattle]** herd improvement progress report 1975. 033591
Points of departure and goals of the research project *[Dairy* **cattle,** milk production and processing]. 033615
Development, state and developmental tendencies of *dairy* **cattle** husbandry. 033648
Move over, milky way—our cows are stars too *[Dairy* **cattle].** 033694
The rhythm of milk yield in *dairy* **cattle** [Lactation curve]. 034091
The constituent concentrations of mammary gland secretions of non-lactating quarters as influenced by lactating quarters *[Dairy* **cattle].** 034174
Dynamics of social hierarchy in a *dairy* **[cattle]** herd. 034240
Relative value of nutrients in *dairy* **cattle** forages. 034325
A new forage evaluation system *[Dairy* **cattle].** 034326
Preliminary remark to the problem area II: Feeding, milk yield and economical aspects of *dairy* **cattle** husbandry. 034339
Interpreting forage test results *[Dairy* **cattle].** 034358
Poultry waste in a commercial feeding operation [Beef cattle, *dairy* **cattle].** 034379
Using sugarcane as *dairy* **cattle** fodder. 034453
Minimum concentrate feeding for efficient milk production *[Dairy* **cattle].** 034458
Fertility differences between groups of sires relative to the stage of estrus at the time of insemination *[Dairy* **cattle].** 034559
Studies on *dairy* **cattle** production. III. Relationship between criteria of production, duration of lactation and interval between first and second calving [Selection]. 034571
Promoting the A. I. [Artificial insemination] industry *[Dairy* **cattle].** 034783
Biological principles of the formation of the type of *dairy* **cattle** for enterprises and farms with industrial technology [Breeding]. 034804
Reproductive herd health program for *dairy* **cattle.** 034839
Milk leucocyte counts and their significance in mastitis control *[Dairy* **cattle].** 035162
Bloat survey in the northern irrigation areas *[Dairy* **cattle].** 035313
Treatment for retained placenta with a combination of Uniberbyl and Terramycin *[Dairy* **cattle].** 035331
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: Ixodidae) *[Dairy* **cattle,** pests]. 039470
Suggestions for the construction of the tying shed type L 203 accomodating 200 *dairy* **cattle.** 040329
Effect of *dairy* **cattle** manure on millet and rye forage and soil properties. 040998
When the *dairies* **changed** over to non-returnable packages, they paid for something which they have not yet received. 031705
Development of **cheese-flavored** *dairy* spreads with controlled fat content. 032961
Market milk products, infected by Bacillus cereus in the *dairy* **[Contamination].** 032122
Problems of *dairy* **cow** nutrition in winter period. 034513
Variation of the pre- and post-parturation body weight in the *dairy* **cow.** 034592
Recommendations for the time of separation of *dairy* **cows** in industrial open stall units. 033671
The influence of the method of preservation of forages on the digestion in *dairy* **cows.** 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. 034119
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of *dairy* **cows],** not only on the elimination of the metalloid via the mammary glands. 034280
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of *dairy* **cows:** energy efficiency, digestive and metabolic aspects. 034288
Influence of the type of forage harvester on the silage intake level and the performances of *dairy* **cows.** 034293
Feeding and replacement value of calcium hydroxide treated maize cobs for *dairy* **cows.** 034368
Transition from [winter feeding] to pasture and summer feeding of *dairy* **cows.** 034434
Roughage-containing feed mixtures as complete diets for *dairy* **cows.** 034529
Etiology and geographical distribution of bacterial agents of mastitis in *dairy* **cows** in Slovakia in 1973 and 1974. 035262
Agronal H poisoning of *dairy* **cows.** 035456
A model to improve forages rationally for *dairy* **cows** [Pasture management]. 038143
Effects of nutritional management systems on reproductive performance of *dairy* **cross** cows. 034444
Performance of purebred and **crossbred** *dairy* cattle in Thailand. 034561
The sales potential for **cultured** *dairy* products. 031545
Results and experiences in the use of compressed air udder stimulation at the **Dedelow** *Dairy* [Milk production, East Germany]. 033672
Investigations of *dairy* **detergents** using radioiodinated protein and a miniaturised simulator. 033011
Pasture management—key to **efficient** *dairy* industry. 037988
Availability criterion of process evaluation *[Dairy* **equipment].** 040412
Report of Committee on *Dairy* **Farm** Methods, 1973-1975 [Sanitation, regulation]. 032979
[Socio-economic] characteristics of *dairy* **farmers** in Bangalore milk-shed area. 031110
The unicar system as a new technical method for the obtaining of basic data for *dairy* **farming.** 031264
Managerial analysis on the profitability of *dairy* **farming** in Tokyo: a case study. 031425
Registration and operation of *dairy* **farms.** 8. 031259
Management is important in effluent disposal *[Dairy* **farms].** 041505
The *dairy* **goes** metric [Milk, marketing]. 031693
Occurrence of latent metabolic disturbances in clinically **healthy** *dairy* cows. 035382
Differences in the concentration of certain blood constituents among cows in a *dairy* **herd.** 033994
USDA-DHIA *[Dairy* **Herd** Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. 034580
Is there need for change? Using records other than DHI *[dairy* **herd** improvement] in sire evaluation. 034782
The registry associations outlook for new *[dairy* **herd** improvement] programs. 034784
The effects of copper supplementation on stock health and production. 3. The effect of parenteral copper on the milk yield characteristics of a *dairy* **herd** with hypocuprosis. 035365
Buildings for a *dairy* **herd** at Coolnakilla. 040350
Studies on the Clostridia content of Finnish silage and cow feces *[Dairy* **hygiene].** 033560
Study of time funds available for maintaining **industrial** *dairy* cattle plants. 031250
First stocking of an **industrial** *dairy* with pregnant heifers or young proven cows. 034833
On securing the function of large **industrial** *dairy* cattle plants [Barns]. 040322
Economic analysis of veterinary services for udder health in **industrialised** *dairy* farming units [Costs]. 031490
Breeding hygiene in **industrialised** *dairy* units. 2. Management, organisation, and control of reproduction periods. 034747
Breeding hygiene in **industrialised** *dairy* farming units. 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. 034748
Experiences and problems of coordination between agriculture, the food industry and distribution *[Dairy* **industry,** Europe]. 031530
The competitive position of the UK [United Kingdom] *dairy* **industry** in Europe. 031679
Causes of, and resistance to, the concentration of enterprises and their dependence on the general economic policy *[Dairy* **industry].** 031698
Dairy **industry** at the limit of its growth [Demand, markets, Bavaria]. 031700
Medium-term development of the *dairy* **industry.** 031805
Dairy **industry** in the Paraibuna Valley Micro Region. 031912
A study on quality control in the *dairy* **industry.** 031971
"The *dairy* **industry**—where now?". 032937
The cultured products plant in 1985. A prognosis *[Dairy* **industry].** 032940
Varied concentration in the *dairy* **industry:** analysis of the first joint structure survey [Europe]. 033007
Varied concentration in the *dairy* **industry.** II. Analysis of the first joint structure survey [Europe]. 033008
Human resource factors in the *dairy* **industry.** 033009
Special courses on *dairy* **industry** in the Paraibuna Valley Micro Region. 033023
A simple system for the measurement of the biochemical oxygen demand of an effluent sample *[Dairy* **industry].** 041615
Immunization against Q-fever of naturally **infected** *dairy* cows. 034959
Organization of **large-scale** *dairy* cattle raising. 033690
Nitrogen and phosphorus losses from winter disposal of *dairy* **manure.** 040999
Chemical fly [Musca domestica] control in **Ohio** *dairy* barns. 039495
Dairy **outlook** for 1976. 031802
A flourish of food and *dairy* **packaging** ideas—in time of crisis. 032877
Course of parturition and rearing performance of heifers of the Black **Pied** *dairy* cattle genotype based on Simmental cattle. 034830
Planning *dairy* calf housing. 033636
Comments on cost benefit analyses of subsidies for *dairy* **plants.** 031409
Sieving, straining and grading **[Processing** *dairy* products]. 033019
Spome economic aspects of assuring udder health in industrially **producing** *dairies.* 034925
How effective is *dairy* **[products]** promotion and advertising? 031543
Outlook for building consumer acceptance for cultured *[dairy]* **products.** 031544
Methods of predeterminating the output in cheese and *dairy* **products.** 031727
Quantity and date statements on milk and *dairy* **products.** 032120
Forecast for use of fruit and flavors in cultured *[dairy]* **products.** 032939
What's ahead for cultured *[dairy]* **products** packaging systems? 032941
Consumers' cultured *[dairy]* **products.** 032955
Temperature control. I. A procedure for profiling temperatures of *dairy* **products** in stores. 032980
Problems of extracting and analyzing certain aromatic compounds of *dairy* **products.** II. Methods of measurement. 032987
Thin layer chromatography of 2,4-dinitrophenylhydrazones of carbonyl compounds [in *dairy* **products].** 032989
Utilization of by products from the ultrafiltration of *dairy* **products.** 032991
Factors affecting progesterone concentration in cow's milk and *dairy* **products.** 034001
Dairy **research** [in India]. 033623
Common Market's budget under debate. Expenditures for the *dairy* **sector** in the limelight? 031356
The practical and economic significance of the simultaneous increasing of the frequency of milking and feeding for milk production on **semi-automated** *dairy* procedures. 034341
A two pound system of *dairy* **shed** effluent disposal. 041504
Environmental and economic impact of nutrient management on the New **York** *dairy* farm [Agricultural pollution]. 041658

DAIRYING

The use of **capital** in *dairying.* 031418
Dairying in the **distant** future. 033617
A comparative analyse of the labour requirements and the costs involved in various *dairying* **procedures.** 033612
A half-century of *dairying:* from **tradition** to technology. 032981
The use of capital for **two** *dairying* systems; farm management section. 031417

DAISIES
Marguerite *daisy* [Bellis] weed control trial; progress report. 039120
Weed control and effect of four preemergence herbicides in transplanted **Shasta** *daisy* [Chrysanthemum maximum]; progress report. 039122

DALBERGIA
Cell length variation in the secondary phloem of *Dalbergia* spp. with **increasing** age of the vascular cambium. 036270

DALBULUS
Leafhoppers *[Dalbulus* **maidis]** on silage corn. 039266

DALLISGRASS
The effects of temperature and day length on the growth of *dallisgrass* (**Paspalum** dilatatum Poir.) and bahiagrass (Paspalum notatum Flugge.). 037380

DAMPING
Nutritionally conditioned virulence of Pythium butleri and susceptibility of tomato in **causing** *damping-off.* 038842
A comparison between host density and inoculum density effects on the frequency of primary infection foci in Pythium **[irregulare]-induced** *damping-off* disease [of garden cress seedlings]. 038576
Problems of the chemical control of *damping-off* of **seedlings** in nurseries of the State Forests. 038815

DAMS
Some ecological aspects of the Cabora **Bassa** *dam.* 041493
Preweaning maternal heterosis of backcross and three-breed cross **beef** *dams* [Cattle]. 034732
Productivity of straightbred, backcross and three-breed cross **beef** *dams* [Cattle]. 034733
Seismic stability of **earth** *dams* and embankments. 040358
The influence of sex on the calf on the productive traits of **Hariana** *dams.* 034653
Sediment control at **Imperial** *Dam* [Colorado River, flood control]. 041381
Agricultural implications of the Ord **River** *Dam.* 031304
The reservoir on the Karadarya River *[Dam* **structure,** irrigation]. 040362
Performance of culvert under **Winscar** *dam.* 040357
Primary production studies on a new reservoir; Bighorn Lake—**Yellowtail** *Dam,* Montana, U.s.a. [Algae]. 036212

DANAUS
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the African monarch butterfly *[Danaus* **chrysippus].** 039935

DAPHNE
Survey of viruses **infecting** *Daphne* in New Zealand. 038929

DAPHNIA *see* CLADOCERA

DAPHNIPHYLLUM
The *Daphniphyllum* **[macropodum]** alkaids. 036755

DASYHELEA
A midge *[Dasyhelea* **lithotelmatica]** (Diptera, Ceratopogonidae) new to Britain that is abundant in the limestone pavement of the Yorkshire Pennines. 040010

DATURA
Regeneration of haploid and **diploid** *Datura* innoxia Mill. Mesophyll protoplasts to plants. 036716
Investigations on an experimentally induced triploid hybrid of *Datura* **innoxia** Mill. 036479
Relation between nitrogen & alkaloid contents during different developmental stages of *Datura* **innoxia** Mill. 036996
Effect of some herbicides on the scopolamin content of individual thornapple *[Datura]* **plant** parts. 039111
Effect of availability of nitrogen on alkaloid synthesis in Solanaceae [Tobacco, potatoes, *Datura* **stramonium].** 036846

DAUCUS
Chemical investigation of the seeds of *Daucus* **carota** Nantes [Carrots]. 037748

DDT
DDT **analog** depletion patterns in steers [Gin trash, residues]. 039566
Linkage of the genes for *DDT* and **dieldrin** resistance in larvae of the mosquito Aedes aegypti. 039450
DDT-resistance status and the effects of *DDT* **exposure** in relation to the vectorial capacity of Aedes aegypti (L.) for Brugia pahangi (Buckley and Edeson). 039444
Effect of environmental conditions on the degradation of *DDT* in **model** marine ecosystems. 039580
The ability of the females of ixodid ticks to recover after *DDT* **poisoning** during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501
Studies on malaria and responses of Anopheles balabacensis balabacensis and Anopheles minimus to *DDT* **residual** spraying in Thailand. II. Post-spraying observations. 039437
DDT-resistance **status** and the effects of DDT exposure in relation to the vectorial capacity of Aedes aegypti (L.) for Brugia pahangi (Buckley and Edeson). 039444
Conversion of **1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane** *(DDT)* to water-soluble products by microorganisms [Environmental contamination]. 039557

DEACIDIFICATION
Acidification and *deacidification* of **coastal** plain soils as a result of periodic flooding. 040756

DEAMINASE
Developmental changes of *AMP-deaminase* **activity** in chick heart muscle. 033984

DEAMINATION
Oxidative *deamination* of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. 033921

DEATH
The Mediterranean sea condemned to *death* **because** of inadequacy of legislation [Water pollution]. 041479
Mechanism of unbalanced growth and *death* of **biotin-deficient** yeast [Saccharomyces cerevisiae] cells in the presence of aspartic acid. 039021
A survey on spoilage of eggs and *death* of **chickens** during natural hatching and rearing by hens. 034646
Will death taxes be the *death* of your **farm?** 031498
Dying out of **oak** stands in the steppe zone of the Ukraine at the end of the sixities and beginning of the seventies. 035492
Pleural effusion disease in rabbits. Clinical and **post** *mortem* observations. 034954
Will *death* **taxes** be the death of your farm? 031498

DEBARKING
Technical and economical aspects of mechanical delimbing and *debarking* [of **trees].** 035698

DEBRIS
Debris **flows** following wildfire in north central Washington[Watersheds, forest management]. 035499
Variation in the fall rate of **plant** *debris* from trees in the association Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park. 037910
Nutrients lost in *debris* and **runoff** water from a burned chaparral watershed. 041377

DECANOIC
Decanoic **acid,** a new precursor for the in vitro biosynthesis of oleic acid by a plant subcellular fraction [Cauliflowerhomogenate]. 037659

DECAY
Some new ideas in tree care [for *decay* **control].** 039016
The extent of Shamouti orange contamination with green moldand its effect on **fruit** *decay.* 038632
Leaf fall and the rate of **litter** *decay* in some forest habitats [in relation to leaf production and saphrophage activity]. 036923
Filth fly [Musca domestica] sources in *decaying* **melon** fields in southern California's low deserts [Spalangia, biological control]. 039323
Post-harvest *decay* of fruits of tomato caused by Cylindrocladium scoparium. 038706
Comparative analysis of the standard testing method for determining the *fungal-decay* **resistance** of wood preservatives to Basidiomycetes in the mamber countries of the Council for Mutual Economic Assistance. I. 035765
Root rot and **stem** *decay* following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471
Genetic effects of the *decay* of **sulfur-35** in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
Microstructural and microchemical studies of **wood** *decay* of Casuarina equisetifolia by Fomes durissimus [Fungi]. 035887

DECIDUOUS
F1 crosses of evergreen and *deciduous* **azaleas** and other wide crosses of Rhododendron. 036627
CLEAN [Comprehensive Lake Ecosystem Analyzer], the aquatic model of the **eastern** *deciduous* forest biome. 041539
The age of chloroplasts in mesophyll of *deciduous* and **evergreen** plants. 036370
Propagating *deciduous* and evergreen shrubs, trees, and vines with stem cuttings. 035681

DECOMPOSITION
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of **ciliatine** *decomposing* bacteria [Escherichia coli] from the feces of sheep. 041602
Investigations on the dynamics of *decomposition* of **2,4-dichlorophenoxyacetic** acid and its mixtures in the soil. 039150
Transformation of phosphorus in organic **matter** *decomposition* studies with special reference to the immobilisation aspect. 040840
Formation of volatile sulfur compounds by **microbial** *decomposition* of slfur-containing amino acids in soils. 040798
Role of desert wood lice [Hemilepistus fedtschenkoi] in *decomposition* of **plant** [Phlomis bucharicus] remains. 039975
The interdependent effects of soil temperature and water content on soil respiration rate and plant **root** *decomposition* in arid grassland soils. 040804
Fungal [Phellinus tremulae] *decomposition* of **sapwood** and hearthwood of European aspen, Populus tremula L. 038610
Role of humus formation and *decomposition* in the **terrestrial** nitrogen cycles. 040634

DECONTAMINATION
Trial of the elimination of aflatoxin in groundnuts by physical methods **[Feed** *decontamination].* 033533

DEER
Sarcosporidiasis in red and **fallow** *deer.* 035157
Deer and the **forest.** 035460
The diets of cattle and *deer* on **rangeland.** 034352
Red *deer* and forests. 035462

DEFENSE
Aseptic milking by implanted cannulae as a model for a pulsation-free milking technique and as a basis for the study of specific and **unspecific** *defence* mechanisms against infection. 035003

DEFICIENCY
Disturbances of the methionine metabolism in the presence of vitamin B12 *deficiency* in **animals** [Rats]. 032178
Biotin *deficiency* and fatty liver and kidney syndrome in chicks given purified diets containing different fat and protein levels. 034344
Effect of oral contraceptives and vitamin B6 *deficiency* on **carbohydrate** metabolism. 032176
Pigment synthesis and photosynthetic activity in **carotenoid** *deficient* mutants of maize. 037448
Lethal trait A46 (hereditary zinc deficiency) in Dutch Friesian cattle, a *deficiency* of **cellular** immunity? 035302
Studies on experimental vitamin A *deficiency* in **chicks**—pathology. 035324
Influence of riboflavin on xanthuria developing as a result of protein and **choline** *deficiency.* 032492
Influence of qualitatively differing fats on the cholesterol level ina the liver and blood serum in cases of **choline-proteinic** *deficiency.* 032490
The effects of various dietary levels of menadione and iron on hepatic catalase activity in rats maintained on a vitamin E *deficient* **diet.** 032320
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given *protein-deficient* **diets.** 032183
Lime-induced iron chlorosis in groundnut: treatment and prevention *[Deficiency* **diseases,** peanuts]. 039050
The effect of a vitamin E *deficiency* on **drug** metabolism. 032316
The comparative effects of vitamin D *deficiency* and **ethane1-hydroxy-1,1-diphosphonate** administration on the histology and glycolysis of chick epipiphyseal and articular. 033844
Reltionship between the presence of linolenic acid and the ability to **form** *respiration-deficient* mutants in yeast [Candida pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. 036948
Pituitary dwarfism in German Shepherd dogs: studies on somatomedin activity **[Hormonal** *deficiency* diseases]. 035367
Immune *deficiency* in malnutrition. 032423
[Human] **iodine** *deficiency* and toxicity. 032331
Control of nutritional anaemia with special reference to **iron** *deficiency.* 032504
Correcting the chlorosis of pin oaks [Quercus palustris, **iron** *deficiency* diseases]. 039056
Food enrichment with iron to prevent its *deficiency* **(Literature** survey). 032486
Changes in the oxidative phosphorylation of pea plants affected by **magnesium** *deficiency* of different intensity. 037686
Manganese *deficiency*—common in maples [Acer]. 4. 038952
The symptoms of **micronutrient** *deficiency* in peach and their control. 039053
Contents of chlorophylls a and b in *chlorophyll-deficient* **mutants** of sweetclover. 036426
Comparative response to **nitrogen** *deficiency* of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019
Mitotic activity in rice seedlings germinating under **oxygen** *deficiency.* 037474
The state of oxidative systems in the mitochondria of wheat roots under conditions of **phosphorus** *deficiency.* 037433
Assimilation of nitrogen by plants in conditions of **phosphorus** *deficiency* [Pumpkins]. 037705
The effect of experimental lard diet on the occurrence of the signs of vitamin E *deficiency* in **pigs.** 035374
Appearance of **potash** *deficiency* in the course of rotations cotton/food crops on a ferrallitic soil in the Central African Republic. 040953

The appearance of **potassium** *deficiency* in cotton/food crop rotation on ferralitic soil in the Central African Republic. 038971
Study on the reestablishment of fertility on cotton soils showing **potassium** *deficiency.* 040972
Influence of the dietary **protein** *deficiency* on the protein synthetic activity of microsome and soluble fraction from muscle and liver of rats. 035297
Storage of iron as ferritin in the liver of the *protein-deficient* **rat.** 034207
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial **respiratory** *deficient* Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Phosphorus-deficient **rice** soils of India. 040577
The composition and flow of parotid saliva during acute hyperkalemia in *sodium-deficient* **sheep.** 034163
[Mutagenic] effect of DNA from different sources and of different physico-chemical properties on *hystidine-deficient* **strain** of Candida tropicalis D-2 his- [Yeasts]. 036529
Lactate dehydrogenase and isoenzyme changes in rats with experimental **thiamine** *deficiency.* 032387
Early effects of feeding lysine and **threonine** *deficient* and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from *chlorophyll-deficient* **tissues.** 036547
A study on the prevalence of xerophthalmia and blindness in northeast Brazil **[Vitamin** A *deficiency].* 032259
Effect of **water** *deficiency* on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. 037426
Mechanism of unbalanced growth and death of *biotin-deficient* **yeast** [Saccharomyces cerevisiae] cells in the presence of aspartic acid. 039021
Effects of **zinc** *deficiency* on the infant rat which are associated with abnormal adult behavior. 032275
Zinc *deficiency* in sickle cell disease. 032437
Lethal trait A46 (hereditary **zinc** *deficiency)* in Dutch Friesian cattle, a deficiency of cellular immunity? 035302
Zinc *deficiency* in California rice. 038966

DEFICITS

Role of aminoacids and specific efficiency-possessing substances in treating the *protein-deficit* **balance** [Livestock, feeding]. 034516
EEC [European Economic Community] forecasts: possible danger of **beef** *deficit.* 031811
Metabolism of amino acids in bean plants under the *deficit* of **magnesium** and calcium in the nutritive medium. 037852
Change of the proportion of phosphororganic compounds in Tashkent 2 cotton variety as affected by **moisture** *deficit.* 037566
Selective *deficit* in feeding behavior following the antero-medial amygdaloid lesions in cats. 033716
Problem: how to erase a **$500,000** *deficit;* **solution:** a free flow dining program. 032567
Water *deficit* and inflorescence development in Zea mays L. [Maize]. 037350
Effect of **water** *deficit* on deuterium intake and transport in winter wheat. 037414
Content of phoshorus of nuclei acids and the intensity of respiration in leaves and roots of wheat as affected by **water** *deficit.* 037569

DEFLATION

Effect of *deflation* on **soil** formation in Western Siberian tundra. 040722

DEFOLIATION

Previous experience with the **chemical** *defoliation* of vines to facilitate grape harvesting. 038411
The influence of thinning upon *defoliation* by the **gum** leaf skeletonizer [Uraba lugens] in river red gum [Eucalyptus camaldulensis] forests. 039387
Effect of *defoliation* and **nitrogen** treatment on total and seasonal production of grass. 040885
The effects of *defoliation* on the **pattern** of 14C [carbon isotope] assimilate distribution in the long peach shoots. 037687
Effect of *defoliation,* **shading,** and tipping of shoots on flower bud development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Defoliation [with **urea**] and fruit set in guava. 038361

DEFORMATION

Feedborne occurrence of **beak** *deformation* in Leghorn chicks. 035362
Frame displacement and *deformation* of **frame** saws. 035809
Demonstration of virus-like particles in sweet chestnut [Castanea savits] and oak [Quercus cerris] with **leaf** *deformations* in Hungary. 038945
Strength and *deformation* of **pitched-tapered** Douglas-fir [Pseudotsuga menziesii] glued-laminated beams. 035900

DEFORMITIES

Hereditary **fetal** *deformities* and defective calvings of cows. 035376

DEGENERATION

Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the retrograde **cell** *degeneration* method. 033701
Ultrastructural changes and a second mode of **flagellar** *degeneration* during ageing of phytophthora palmivora [Fungi] sporangia. 037023
Ageing and **histological** *degeneration* of females of spider mites (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
Degenerative **myopathy** of the deep pectoral muscle in the turkey. 035346

DEGRADATION

Polysaccharide-degrading **ability** of rice blast fungus [Pyricularia oryzae] of a different pathogenicity and virulence. 038573
Kinetics of the **alkaline** *degradation* of different types of [cotton and wood] cellulose on treatment with highly concentrated alkali solution. 035790
Degradation of **cellulose** by gamma-ray-irradiation. 035724
Activities of **cholesterol** *degrading* microorganisms [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, Nocardia erythropolis]. 037113
Effect of environmental conditions on the *degradation* of **DDT** in model marine ecosystems. 039580
Effect of fertilisation on the *degradation* of **dicrotophos,** disulfoton and phorate in soil. 040921
Degradation of **flavonoids** and isoflavones [metabolically active plant constituents], a review. 036796
Metabolism of aldicarb by five soil **fungi** *[Degradation].* 039563
Hydrolysis of a chloro-s-triazine **herbicide** *[Degradation].* 039559
Investigations into the influence of fiber structure on heterogenous **hydrolytic** *degradation* of cellulose. 035728
Microorganisms in gums. IV. **Microbial** *degradation* of plant exudates and seaweed extracts. 032155
Microbial *degradation* of plant protection chemicals [Pesticides, herbicides, fungicides]. 039549
Microbiological *degradation* of lignin [Wood destroying fungi]. 035860
Irradiation studies of mallard duck eggs material containing the insecticide] **mirex** *[Degradation].* 039561
Degradation of **1-naphthol** by a soil pseudomonad. 040666
Nonbiological *degradation* and transformations of organic pesticides in aqueous systems. 041471
Postmortem glycolytic and **nucleotide** *degradative* changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773
Pesticide *degradation* [by soil microrganisms, especially the fungi and bacteria]. 039569
The rate of incorporation and *degradation* of **phenylalanine-14C** [carbon isotope] by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. 034427
Detection of triazine herbicides and their *degradation* **products** in tile-drain water from fields under intensive corn (maize) production. 039558
Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the *degradation* of **salicylic** acid by Aspergillus nidulans [Fungi]. 036992
Invert **sugar** *degradation* during juice purification in the presence of atmospheric oxygen. Results obtained from industrial experiments. 033311
The rate and products of *degradation* of **xylans** by rumen hemicellulases [Digestibility of feeds by ruminants]. 034214

DEHULLING

Delinting and *dehulling* of **high-lintered** cottonseed—effect of variables. 033285

DEHYDRATION

Role of geometrical structure of fatty-acid radicals in *dehydrated* **castor** oil in its reaction with styrene. 032859
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during *dehydration* **[Funaria** hygrometrica, musci, Trentepholia umbrina, Pleurococcus vulgaris, algae]. 037281
Structural modification of the chloroplasts caused by changes in the rate of photosynthesis as a result of *dehydration* of the **leaf.** 036941
Effect of washing, cooking and *dehydration* on the **removal** of some insecticides from okra (Abelmoschus esculentus Moench.). 032082
Dehydration and **survival** of the European house dust mite, Dermatophagoides pteronyssinus. 039855
Market for *dehydrated* **vegetables** still poorly developed in Switzerland and Sweden. 031656

DEHYDROGENASES

Activity of *dehydrogenases* of the **accumulative** and continuous culture of the paraffin oxidizing yeast Candida. 037209
Purification and properties of the intact form of NADH [naphthaleneacetic **acid** *dehydrogenase]-cytochrome* b5 reductase from rabbit liver microsomes. 034032
Influence of reduced diets on the *glucose-6-phosphate-dehydrogenase* **activity** of the fatty tissue in patients with metabolic-alimentary adiposity. 032491
Isozymes patterns and enzyme activity of lactate and **alcohol** *dehydrogenase* of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Horse liver **aldehyde** *dehydrogenase:* Purification and characterization of two isozymes. 034040
The thermostability of secondary structure of **d-glyceraldehyde-3-phosphate** *dehydrogenase* from thermus thermophilus characterized by a new method [Soil bacteria]. 040639
Glucose-6-phosphate *dehydrogenase* in tobacco callus strains differing in their growth and their requirement for auxin and cytokinin. 037369
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically modified ox liver mitochondrial **glutamate** *dehydrogenase.* 033760
Investigations into the primary and tertiary structures of ox liver **glutamate** *dehydrogenase.* 034204
The interaction of tetraiodofluorescein with **glutamate** *dehydrogenase* from bovine liver. 034211
Mutants of Aspergillus nidulans lacking nicotinamide adenine dinucleotide-specific **glutamate** *dehydrogenase* [Fungi]. 036561
Comparative study of **glutamate** *dehydrogenases* of Chlorella [Algae]. 036827
Study of malate dehydrogenase and **glutamate** *dehydrogenase* activity in maize radicles after treatment with gamma rays. 037465
Purification and properties of bovine uterine **glutamic** *dehydrogenase:* a comparison with the liver enzyme. 033987
Glyceraldehyde-3-phosphate *dehydrogenases* from Euglena gracilis [Algae]. Purification and physical and chemical characterization. 036784
Behaviour of *lactate-dehydrogenase* **isoenzyme** in blood serum of sows during parturition. 034746
Lactate *dehydrogenase* and isoenzyme changes in rats with experimental thiamine deficiency. 032387
Relationship of **lactate** *dehydrogenase* specificity and growth rate to lactate metabolism by Selenomonas ruminantium [Rumen bacteria]. 033754
Genetic control of the expression of genes for **lactate** *dehydrogenase* A in sheep erythrocytes. 034626
Bitterness prevention in citrus juices: Comparative activities and stabilities of the **limonoate** *dehydrogenases* from Pseudomonas and Arthrobacter [in orange juices]. 033411
Mitochondrial **malate** *dehydrogenase* of bovine cerebrum. Characterization and mechanisms of inhibition by silver ions. 034029
Cytoplasmic synthesis of soluble and mitochondrial **malate** *dehydrogenase* isozymes in maize. 037356
Study of **malate** *dehydrogenase* and glutamate dehydrogenase activity in maize radicles after treatment with gamma rays. 037465
Formation of molecular hybrid forms in the system of isozymes of **malate** *dehydrogenase* in cotton and Fusarium [oxysporumvasinfectum]. 038804
Inhibition of **3-phosphoglycerate** *dehydrogenase* from Pisum sativum [peas] by pyridoxal 5'-phosphate and by pyridoxamine 5'-phosphate. 037872
Purification and properties of a **polyol** *dehydrogenase* from Cephalosporium chrysogenus [Fungi]. 037014
Studies on the regulation of **pyruvate** *dehydrogenase* in isolated beef heart mitochondria. 033767
Pyruvate *dehydrogenase* complex from brewer's yeast [Saccharomyces carlsbergensis]: regulation blythe carbon source. 037312
Dehydrogenases of **rice** seeds with varying germination rate. 037536
Prostaglandin-sepharose: application to the purificaton of bovine lung **15(S)-hydroxyprostaglandin** *dehydrogenase.* 034170
Activity of **succinate** *dehydrogenase* in self-pollinated lines and hybrids of maize. 037602
Induction of **udpglucose** *dehydrogenase* during development, organ culture, and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. 033801

DELICATESSEN

Bacteriological quality of **selected** *delicatessen* foods. 032092

DELPHACIDAE

Calligypona reyi (Fieber) (Hemiptera, *Delphacidae)* in the **Isle** of Wight. 040014

DELPHINIUM

Anthocyanin, flavonol copigments, and pH [hydrogen-ion concentration] responsible for larkspur flower color [Consolida ambigua; *Delphinium* **ajacis].** 037802
The diterpenoid *[Delphinium]* **alkaloids:** chemistry and synthesis. 036748
Flavonoids from some **species** of *Delphinium.* 036878

DELTAS

The effect of *delta-aminolevulinic* **acid** on the protochlorophyllide accumulation and chlorophyll formation in barley green leaves. 037398

Sediment transport studies in the *Delta-Mendota* **Canal** and the California Aqueduct [Water supply]. 041384
Synthesis of methyl **ester** *8,14-seco-delta1,3,5(10),* 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. 037231
Impact of changing land use on *delta* **hardwood** forests. 035560
Sediment yields from a **Mississippi** *Delta* watershed. 041386
Pesticide concentrations and yields in runoff and sediment from a **Mississippi** *Delta* watershed. 041625
The absolute configuration of the amino acids in *delta-(alpha-aminoadiphyl)cysteinylvaline* from **Penicillium** chrysogenum[Fungi]. 036805
Microbial hydroxylation of **steroidal** *delta* 3,5 enol acetates [Rhizopus arrhizus, fungi]. 037292
Peculiarities of soil genesis in the *deltaic-alluvial* **valleys** of Juba and Webi-Shebeli rivers (equatorial Somali). 040614

DEMODEX

Demodex **suis** [Swine, demodectic mange]. 039514

DEMOGRAPHY

Some *demographic* **aspects** of reconstructing settlement [Rural population]. 030993
Agriculture and the limits of *demographic* **development.** 031010

DENATURATION

Character of ultraviolet-spectra of native DNA and DNA after acidic and **alkaline** *denaturation* depending on degree of plant supply with manganese ions. 036932
Studies on the *denaturation* of **fish** muscle proteins. I. Physico-chemical and electron microscopical studies of freezedenatured carp actomyosin. 032767
Renaturation of yeast [Saccharomyces cerevisiae] inorganic **pyrophosphatase** *denatured* in urea and guanidine hydrochloride. 037018
Protection of cytochrome P-450 by substrates against Tween-80-assisted **thermal** *denaturation* [Saccharomyces cerevisial]. 037309

DENDRITES

Comparison of synaptic vesicle sizes in axonal profiles synapsing on neuronal bodies and *dendrites* in the **cat** motor cortex. 034216

DENDROBIUM

Dendrobium **speciosum**—another point of view [Culture]. 038270
Dendrobium **speciosum** and seed dispersal [Culture]. 038271
Indolizidine alkaloids *[Dendrobium,* **Tylophora].** 036741
Ultrastructure of **white-streaked** *dendrobium* phalaenopsis orchid flowers infected with a rhabdovirus. 038925

DENDROCTONUS

A stereoselective total synthesis of exo- and endo-brevicomin *[Dendroctonus* **brevicomis,** control]. 039390
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions [Pine bark beetle, *Dendroctonus* **brevicomis].** 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride [Pine bark beetle, *Dendroctonus* **brevicomis].** 039392
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle *[Dendroctonus* **frontalis,** vector of Ceratocystis minor]. 039385

DENDRYPHIELLA

Histochemical study of the hyphae and the distribution of adenosine triphosphatase in *Dendryphiella* **salina** [Fungi]. 037317

DENITRIFICATION

Nitrogen removal by **biological** *denitrification.* 041639
Relationships between the *denitrification* **capacities** of soils and total, water-soluble and readily decomposable soil organic matter. 040802
Maximizing *denitrification* during soil filration of sewage water. 040671
Denitrification of **sewage** by alternating process operation. 041631
Influence of pesticides on *denitrification* in **soil** and with an isolated bacterium. 039572

DENSITOMETRY

A simple **dichromatic** *densitometer* for repeated measurements of cardiac output in small animals. 033846
Densitometric **method** of determination of nicotine, nornicotine and anabasine in tobacco. 032891

DENSITY

Densities of **bacteria** and fungi in coastal surface films as determined by a membrane-adsorption procedure. 036233
Freezing times for blocks of fish in vertical plate freezers. The effect of contact area and **block** *density.* 032743
Bulk *density* sampler for deep soil profiles. 040757
Critical *density* for relaying in Dictyostelium discoideum [fungi] and its relation to phosphodiesterase secretion into the extracellular medium. 036320
Some effects of soil type and **crop** *density* on the activity and abundance of the epigeic fauna, particularly Carabidae, in sugarbeet fields. 039291
A quantitative method for **estimating** *density* of Septoria tritici pycnidia on wheat leaves [Leaf blotch]. 038761
On reducing the *density* of **fiberboard** by the dry production method. 035812
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and *density* [**Grazing,** sheep, cattle]. 037975
Performance of broilers during brooding at **high** *densities.* 033609
High *density* "tree walls" [in apple and peach orchards]. 038363
A comparison between **host** *density* and inoculum density effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of garden cress seedlings]. 038576
Isoionic titration and **isopycnic** *density* gradient centrifugation studies of margnesium activation and subunit dissociation in yeast [Saccharomyces cerevisiae] enolase. 036785
Effect of temperature and *density* of the **larval** population on the mutation penetrance in Drosophila virilis. 039758
On the **optimum** *density* of leached Chernozem-Smolnitza for maize and wheat. 040749
A *high-density* **peach** orchard [Planting, pruning, Canada]. 038357
The determination of the utmost **permissable** *densities* of electric current in wines when using conductometric transducers. 033476
Behavior of (brachytic-2) Piranao maize and normal-sized maizes at different nitrogen and **plant** *density* levels [Culture, varieties]. 038004
Effect of **plant** *density* and time of thinning on the yield of seed cotton and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185
Effect of **plant** *density* and row width on yield and quality of sugarbeet drilled to a stand. I. Stimulated plant spacing. 038218
Effect of **plant** *density* and row width on yield and quality of sugar beet drilled to stand. II. Plant spacing by drilling to a stand. 038219
The relationship between crop yield (or mean plant weight) of lettuce and **plant** *density,* length of growing period, and initial plant weight. 038389
Effect of **plant** *density* on yield and other quantitative characters of the Maricongo plantain (Musca acuminata X Musca balbisiana, AAB). 038390
Influence of **planting** *density* and selective thinning on the increase of Pinus radiata near Massa Marittima (Grosseto). 035640
Effect of mineral fertilizer and of **planting** *density* on sunflower photosynthetic rate and net productivity. 037403
Mode and *density* of **planting** maize as a spray irrigated catch crop. I. 038134
Studies on irrigation, fertilization and **planting** *density* of the selfed maize line SH-144. 038137
Moisture supply and plant productivity [Winter wheat, **planting** *density].* 038196
A new possibility of permanently tying [fruit] trees in *dense* **plantings.** 038478
Effects of *density* and **social** order of the flock, and of length of feeding troughs, on the performance of layng hens rationed in feed. 034363
The problem of **soil** *density.* 040753
Selecting the optimum variant of [pine] **stand** *density* according to economic criterium. 035590
Response of western larch [Larix occidentalis] to changes in **stand** *density* and structure. 035693
Stand *density* and the lodging of fiber flax plants. 038074
Diseases of winter wheat and its **stand** *density.* 039086
Isolation of plasma membranes from corn roots by **sucrose** *density* gradient centrifugation: an anomalous effect of Ficoll. 037522
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and **survival** *density* of the bacterium on artificially infested weeds, plant residues and soils. 038852
Tree *density* affects large-root distribution of 'Washington' navel orange trees. 038366
Forces exerted on ties of compress **universal** *density* cotton bales. 033173
On the growth of spruce forests of the Carpathians of **varying** *density.* 035596
Density of **wood** and weight productivity of birch stands in Leningrad Region. 035805

DENTAL

The role of sugar in the development of *dental* **caries** [Streptococcus]. 032476

DEODORIZATION

The bacterial bed, a technique for *deodorizing* **semi-liquid** manure. 041626

DEOXYCHOLATE

Selective solubilization with **sodium** *deoxycholate* of membrane proteins from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. 038890

DEOXYRIBONUCLEASES

Purfication and specificity of Aspergillus sojae DNase *[Deoxyribonuclease,* **fungi].** 037254
Deoxyribonucleic acid polymerases and *deoxyribonucleases* in **[pea]** Pisum sativum. 037871

DEOXYRIBONUCLEIC

Deoxyribonucleic **acid** polymerases and deoxyribonucleases in [pea] Pisum sativum. 037871
Character of ultraviolet-spectra of native DNA and *DNA* after **acidic** and alkaline denaturation depending on degree of plant supply with manganese ions. 036932
DNA **breakage** caused by dimethyl mercury and its repair in a slime mould, Physarum polycephalum [Fungi]. 037131
Molecular size and the information content of **chloroplast** *DNA* s from higher plants. 036314
Isolation of chloroplasts and **chloroplast** *DNA* from pea leaves. 037661
Characteristics of **chloroplast** *DNA-protein* complex [Peas]. 037743
Chloroplast *DNA-membrane* complex in Pisum sativum [Peas]. 037744
The synthesis and properties of the complete **complementary** *DNA* transcript of ovalbumin messenger RNA [Chickens]. 034584
Effect of far and near ultraviolet radiation on *DNA* **content** in Dunaliella salina Tood [Algae]. 037322
Evidence for the presence in calf thymus of a peptidic factor **controlling** *DNA* transcription in vitro. 033797
Receptors for insulin and epidermal growth factor: relation to synthesis of *DNA* in **cultured** rabbit lens epithelium. 033766
Nucleic acid hybridization to the *DNA* of **cytological** preparations [Includes Drosophila]. 039875
A study of similar species of aphids with different karyotypes by the method of *DNA* **cytophotometry** [Anuraphis farfarae, Anuraphis subterranea]. 039691
Characterization of the *DNA* from the **dinoflagellate** Crypthecodinium cohnii [Algae] and implications for nuclear organization. 036861
Differential cleavate of Physarum [Fungi] *DNA* from **distinct** points of S phase by restriction enzyme Eco RI. 036930
The use of **fluorescent** *DNA-binding* agent for detecting and separating yeast [Saccharomyces cerevisiae] mitochondrial DNA. 037112
A comparison of *DNA* from **free** living and endosymbiotic Rhizobium leguminosarum (strain PRE) [Peas]. 037649
Comparison of an avian osteopetrosis virus with an avian lymphomatosis virus by *RNA-DNA* **hybridization.** 035129
Improved *DNA-DNA* hybridization as a taxonomic tool for phytopathogenic bacteria. 038867
The organization of genes in yeast [Saccharomyces carlsbergensis] **mitochondrial** *DNA.* II. The physical map of ecoRI and HindII-III fragments. 036592
The restriction of the recombination of **mitochondrial** *DNA* molecules in the zygotes of Saccharomyces cerevisiae [Yeasts]. 036593
Rearrangement of **mitochondrial** *DNA* molecules during the differentiation of mitochondria in yeast [Saccharomyces cerevisiae]. II. Labelling studies of the precursor product relationship. 036825
In vivo and in vitro synthesis of yeast [Saccharomyces cerevisiae] **mitochondrial** *DNA.* 037102
The use of fluorescent DNA-binding agent for detecting and separating yeast [Saccharomyces cerevisiae] **mitochondrial** *DNA.* 037112
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of **mitochondrial** *DNA* replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Character of ultraviolet-spectra of **native** *DNA* and DNA after acidic and alkaline denaturation depending on degree of plant supply with manganese ions. 036932
The induction of pyrimidine dimers in **nuclar** *DNA* after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces cerevisiae [Yeasts]. 036557
Factors influencing changes in ploidy and **nuclear** *DNA* levels in cells from normal, crown-gall and habituated cultures of Helianthus annuus L. [Sunflowers]. 036345
Nuclear *DNA* content and ploidy values in clonally-developed plasmodia of the myxomycete Didymium iridis [Fungi]. 036415
Effect of cordycepin triphosphate on the **nuclear** *DNA-dependent* RNA-polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. 036780
Changes in the pyrimidine **nucleotide** *DNA* isopliths of the haemopoietic system of gamma-irradiated animals [Rabbits]. 034167
Plasmid *deoxyribonucleic* acid in Rhizobium vigna and Rhizobium trifolii [Mung beans, red clover]. 037362
Different effects of polylysine and polyarginine on the transition to a condensed state of *DNA* in **polyethyleneglycol/salt** solution [Calves]. 033792
DNA **polymerase** in pseudorabies virus infected cells. 035109
On the specificity of interaction between *DNA* and **protein** of the chloroplasts of Pisum sativum [Peas]. 037865
Dissociation of the *DNA* **replicase** system of bovine lymphocyte nuclei. 033793
Microspectrophotometric analysis of *DNA* **replication** in Eudorina elegans (Volvocales, Chlorophyta) [Algae]. 036339
DNA **replication** in homogenates of Physarum polycephalum [Fungi]. 037022
Localization of *DNA* **replicator** sites near the nuclear membrane in plant cells [Haplopappus gracilis]. 036308
Involvement of *DNA* in **resistance** of potatoes to invasion by Phytophthora infestans. 038755
Ribosomal *DNA* transcription products during the first steps of magnification in Drosophila melanogaster. 039859

DNA-dependent **RNA** polymerases from yeasts [Saccharomyces cerevisiae]. 037100
Characteristics of the major internal protein and **RNA-dependent** *DNA* polymerase of bovine leukaemia virus [Cattle, sheep]. 035108
In vitro transcription of 70S RNA by the **RNA-directed** *DNA* polymerase of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. 035132
Caryokinetic activity and dosage of *DNA* in **root** tips of Allium cepa L. [Onions] treated with B-995 [Mitosis]. 036389
Percent **satellite** *DNA* as a function of tissue and age of mice. 033809
Restriction enzyme digests of the heavy nucleolar **satellite** *deoxyribonucleic* acid of Physarum polycephalum [Fungi]. 037313
No detectable **satellite** *DNA* in supernumerary chromosomes of the grasshopper Myrmeleotettix [maculatus]. 039886
[Mutagenic] effect of *DNA* from different **sources** and of different physico-chemical properties on hystidine-deficient strain of Candida tropicalis D-2 his- [Yeasts]. 036529
Influence of temperature on the detectibility and chromosomal distribution of **specific** *DNA* sequences by in situ hybridisation [Mice]. 034598
Effect of calcitonin on *DNA* **synthesis** in experimental wounds [Rabbits]. 035433
Effect of *DNA* **synthesis** inhibitor 5-aminouracil on the mitotic cycle of sprouting seeds of Crepis capillaris L. 036369
The effect of plant growth substances and natural products on RNA and *DNA* **synthesis** in leukocytes. 036927
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and *DNA* **synthesis** by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Effects of gibberellic acid on *DNA* **synthesis** and histology in the shoot apex of Helianthus annuus [sunflowers] during the transition to flowering. 037383
The influence of calf **thymus** *DNA* and deoxyribonucleosides on the induction of different mutation types in Drosophila. 039744
Hereditary changes in Capsicum annuum L. [Red peppers]. III. Induced by *DNA* **treatment.** 036577
Unscheduled *DNA* synthesis induced in barley seeds by gamma rays and 4-nitroquinoline 1-oxide. 037483
Unique **virus-related** *DNA* sequences in sheep progressive pneumonia lung. 035111
Isolation of **yeast** *DNA* [Saccharomyces cerevisiae]. 037106

DEOXYRIBONUCLEOSIDES
The influence of calf thymus DNA and *deoxyribonucleosides* on the **induction** of different mutation types in Drosophila. 039744

DEPLETION
DDT **analog** *depletion* patterns in steers [Gin trash, residues]. 039566
Potassium *depletion* and impaired insulin release in proteinenergy malnutrition. 032428
Biosynthetic studies in mannolipids and mannoproteins of normal and **vitamin** *A-Depleted* hamster livers. 033787
Protein quality of two varieties of high lysine maize fed alone and with black beans or milk in normal and *depleted* **weanling** rats. 032306
Effect of **zinc** *depletion* on glucose tolerance [Rats, animalnutrition]. 034308

DEPOLARIZATION
Catecholamine release from bovine adrenal medulla in response to **maintained** *depolarization.* 034072

DEPRECIATION
Taxes. *Depreciation* in **agriculture.** 031480
Depreciation as a **factor**—is leasing [veterinary] equipment better than purchasing? 040489

DEPRESSION
Derepression of **cellulase** synthesis in Trichoderma lignorum[fungi] during limited consumption of readily assimilated carbon sources. 037115
The Great *Depression:* **farm** ills hit the cities [History]. 031142
Self *depression* of **flax** plants in early stages of development in mono-culture. 037464
The phenomenon of *"depression"* in **hardwood,** broadleaved forests [Physiological diseases, forest trees]. 039031
Physicochemicl mechanisms of **inbred** *depression* and heterosis [Plants, animals]. 034822
Spreading *depression* resulting from cortical punctures [Cats]. 033711

DEPRIVATION
Binocular interaction in strabismic **kittens** *deprived* of vision. 034176
The effect of **protein** *deprivation* and starvation on the rate of protein synthesis in tissues of the rat. 032180

DEPSIDES
Metabolism of quinic **acid** *depsides* in Lycopersicon esculentum Mill. [Tomatoes]. 037825

DERIVATIVES
Polyploidogenic activity of certain **acenaphthene** *derivatives* [studied in barley]. 036707
Comparison of the biological effects in rat of high doses of two **4-amino-7-chloroquinoline** *derivatives* chloroquine and glafenine. 035392
Studies in the field of drugs containing **anthracene** *derivatives.* XXVI. Method for the determination of anthrones in plant materials. 037198
Triterpenoids and **anthraquinone** *derivatives* obtained from Picramnia de Sellowii (Simaroubaceae). 036835
Auxin-like activity of **1,2-benzisothiazole** *derivatives* [in pea and Jerusalem artichoke tissues]. 037803
Organogeochemical studies of a 200-meter core sample from Lake Biwa. III. The determination of **chlorophyll** *derivatives* and carotenoids. 036244
Applications of high-pressure liquid chromatography and field desorption mass spectrometry in studies of natural porphyrins and **chlorophyll** *derivatives.* 037032
Nuclear magnetic resonance analysis of hydrogen and carbon isotopes of azulene **extract** *derivatives* of Eriocephalae punctulactus. 036860
Hemiaminal *derivatives* of neothiobinupharidine [Nuphar luteum]. 037063
On the occurrence of *derivatives* of **hydroxycinnamic** acids, hydroxybenzoic acids, and hydroxycounmarins in citrus fruits. 033486
Using cottage cheese whey fractions or their *derivatives* in **ice** cream. 032962
Effect of adenine and **imidazole** *derivatives* and indolylacetic acid on membrane potential of the cells of root hair in Trianea bogotensis. 036939
7,8-methylendioxy-chinolin *derivatives* as secondary alkaloids in the flowers of Ptelea trifoliata. 037185
The utilisation of soil **mycobacteria** *derivatives* of purine and pirimidine (DPP) as the only source of nitrogen and carbon. 040847
Photoaffinity labeling of concanavalin A [from jackbeans]: preparation of a concanavalin A *derivative* with **reduced** valence. 037473
A new **tyrosine** *derivative* in Drosophila buskii. 039907

DERMACENTOR
Relationships of **immature** *Dermacentor* variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. 039485
The ability of the females of ixodid ticks to recover after DDT poisoning during feeding [Ixodes persulcatus, Haemaphysalis concinna, *Dermacentor* **silvarum**]. 039501
Recent records of ticks, Ixodes cookei Packard and *Dermacentor* **variabilis** (Say) (Acarina: Ixodoidea) in southwestern Ontario. 040043

DERMATITIS
Etiology, clinical findings, and treatment of **solar** *dermatitis* in the dog. 035355

DERMATOLOGY
The use of radioactive microspheres to quantitate hyperemia in *dermal* **inflammatory** sites [Guinea pigs, rabbits]. 034157
Studies on collagen synthesis in the **mature** *dermal* scar in the guinea pig. 034208
A case of **traumatic** *dermal* myiasis in Quebec caused by Phormia **regina** (Meigen) (Diptera: Caliphoridae). 039451

DERMATOPHAGOIDES
Population structure and dynamics of the house dust **mite** *Dermatophagoides* farinae (Acarina: Pyroglyphidae) in Czechoslovakia. 039455
Dehydration and survival of the European house dust mite, *Dermatophagoides* **pteronyssinus.** 039855

DERMIS *see* **SKIN**

DESALINATION
Assessment of 5 years' observations on the *desalinization* of the **Medina** polder soils (Lower Casamance), Senegal. 041140

DESERTS
Gas exchange of three **cool** *semi-desert* species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. 037037
Production of *desert* **lettuce.** 038377
Filth fly [Musca domestica] sources in decaying melon fields in southern California's **low** *deserts* [Spalangia, biological control]. 039323
Ecology of *desert* **plants** and observations on their seedlings. IV. Seed germination and seedling growth in Citrullus species. 036722
Ecology and hydrogeological role of feathergrass [Lasiagrostis splendens] communities in the **sandy** *deserts* of the northern Aral region. 036250
Plant-induced soil chemical patterns in some **shrub-dominated** *semi-desert* ecosystems of Utah. 036222
Role of *desert* **wood** lice [Hemilepistus fedtschenkoi] in decomposition of plant [Phlomis bucharicus] remains. 039975

DESICCANTS
Reglon—an effective [pre-harvest] *desiccant* of **castorbean** under irrigation. 038559
Gas chromatographic analysis of neodecanoic acids in onions *[Desiccants,* **residues].** 032067

DESICCATION
The water content of muscle and cuticle of the woodlouse Oniscus asellus in conditions of **hydration** and *desiccation.* 039682
Changes in coconut **lipids** during *desiccation.* 037781
Plant *desiccation* [of the drought-tolerant mass Tortula ruralis]: polysome loss not due to ribonuclease. 037260

DESORPTION
Applications of high-pressure liquid chromatography and **field** *desorption* mass spectrometry in studies of natural porphyrins and chlorophyll derivatives. 037032

DESSERTS
The freezing behaviour and texture of an "in home" **frozen** *dessert.* 032757
What is the nature and intent of the basic plan for **Swiss** *dessert* apple production? 038480

DETERGENTS
Investigations of **dairy** *detergents* using radioiodinated protein and a miniaturised simulator. 033011
The effects of the ABS [alkyl benzen sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], *detergents* on **fish,** domestic animals and plants. 041648
Water polluted with *detergents* and **hydrologic** characteristics of farm lands. II. Investigations on the stability of [soil] structure. 040567
Inactivation by *detergents* to the **proline** transport system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. 033799

DETERIORATION
Cassava storage; **post-harvest** *deterioration* and storage of fresh cassava roots. 033468
On the cause of [lettuce] **seed** *deterioration* in dry storage [Germination]. 037845

DETOXICATION
Sulfoxide reduction in relation to organophosphorus **insecticide** *detoxification.* 039593

DEUTERIUM
Effects of net charge on the *hydrogen-deuterium* **exchange** parameters of [egg white] lysozyme. 033120
Effect of water deficit on *deuterium* **intake** and transport in winter wheat. 037414
A method for extraction of soil moisture **labeled** with *deuterium.* 040719
Palaeotemperatures from tree rings and the D/H *[deuterium/hydrogen]* **ratio** of cellulose as a biochemical thermometer [Pinus radiata]. 035838

DEVIATION
Deviation of actual **counts** of cotton yarn samples from nominal count (60 carded). 3. 1970 [production]. 033143

DEW
PTP-1 works efficiently [Pickup device for harvesting fiber flax stems after *dew* **retting].** 038073

DEXAMETHASONE
High affinity binding of *dexamethasone* to **chicken** plasma proteins: some characteristics of chicken corticosteroid binding globulin. 033868
Bovine plasma oestrogens, progesterone and glucocorticoids during *dexamethasone* **induced** parturition. 034541
Gestation length in rabbits. Effect of aminoglutethimide phosphate, *dexamethasone,* **pregnenolone** and progesterone. 034663
Peripheral plasma levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in normal pregnancy and after *dexamethasone* **treatment.** 034687

DEXTRANASE
Dextranase **formation** by mycelial fungi and actinomycetes [Chromogenes]. 037211
Dextranase of **Penicillium** purpurogenum (Ftoll) [Fungi]. 036908

DEXTRINS
Structures of **multi-branched** *dextrins* produced by saccharifying alpha-amylase from [rice] starch. 033262

DIABETES
Diet for the *diabetic* **child.** 032438
Diabetes and **lipid** metabolism in nonhuman primates. 032166
Prevention and therapy of *diabetes* **mellitus.** 032429

DIABROTICA
Corn rootworms *[Diabrotica* **longicornis,** Diabrotica virgifera, Diabrotica undecimpunctata howardi] and their control. 039297

DIAERETIELLA
Can the cabbage leaf louse be controlled on autumn rape? *[Diaeretiella* **rapae,** biological control]. 039303

DIAGNOSIS
Diagnostic **characters** of saccate pollen grains. 036342
Diagnostic **effectiveness** of passive hemagglutination reaction and antibody neutralization reaction in brucellosis. 035234

Diagnosis and **epizootiological** observations on the occurrence of haemophilus pleuropneumonia in swine in the north of the German Democratic Republic. 035152
Regimen of specific prophylaxis and *diagnostic* **examinations** in swine husbandry [Vaccination]. 035271
On the application of water regime and soil characteristics in the *diagnosis* of **excessive** moisture. 040736
Definition of Coenomyiidae (Diptera). I. *Diagnoses* of the **family.** 040141
Mechanization of **fecal** *diagnosis* for verminosis [Livestock]. 035245
Fusariotoxicosis [Fusarium] from barley in British Colombia. I. Natural occurrence and *diagnosis* [**Feeding** of mouldy grain to livestock]. 035396
Role of **foliar** *diagnosis* in the establishment of nitrogen, potassium and phosphorus requirements of grapes. 037884
Afforestation of bogs after industrial exploitation of peat [Pinus, Alnus, **foliar** *diagnosis].* 035684
Determination of levels of nitrogen nutrition for peaches at different growth periods by the method of **foliar** *diagnosis.* 037623
Foliar *diagnosis* and application of fertilizers to sugarbeets. 040862
Ideal number of leaves for **foliar** *diagnosis* of sugarcane (ratoons). 040893
Foliar *diagnosis* and potassium nutrition in the cotton plant. 040902
Evolution of mineral nutrition of Hevea in the Ivory Coast in function of vegetative cycle according to **foliar** *diagnosis.* 040957
Foliar *diagnosis* and potassium nutrition of cotton. 040959
Experiment in **genetic** *diagnosis* of the soils of the USSR on the basis of elementary soil processes. 040824
Diagnosis of **hypoglycemia** in baby pigs with the aid of Dextrostix. 035379
Occurrence and **laboratory** *diagnosis* of ecephalomyelitis of poultry. 035266
Larval *diagnosis* of the tribe Stenolophini and notes on theclassification of the subfamily Harpalinae (Coleoptera, Carabidae) [New taxa]. 039979
Use of immunofluorescence in the *diagnosis* of **leptospirosis** [Cattle]. 035255
Methods of *diagnosis* of **Marek's** disease in Czechoslovakia [Chickens]. 035265
Johne's disease of cattle: comparison of four *diagnostic* **microscopic** methods. 035196
Pregnancy-specific antigens in the sheep: application to the *diagnosis* of **pregnancy.** 034688
Application of the subhuman primate pregnancy test kit to **pregnancy** *diagnosis* in baboons [Laboratory animals]. 034711
Quick *diagnostic* methods of hog cholera. 035192
The first report on the **radiological** *diagnosis* of thoracic diseases in large animals—a review of 140 clinical cases. 034899
Diagnostic **radiology:** its utilization in nonhuman primate medicine [Laboratory animals]. 034909
Possibility of *diagnosing* **resistance** of grain legumes to low positive temperatures from physiological indexes. 037419
The prevalence of antibodies to bovine virus diarrhoea and infectious bovine rhinotracheitis viruses in *diagnostic* **sera** from New Zealand cattle. 035163
Use of adjuvants for the mass production of *diagnostic* **sera** for some potato viruses. 038942
A prelude to pesticide residues in different *diagnostic* **situations.** 039578
The KI-4935 tool for the **technical** *diagnosis* of tractors. 040483
Blastomycosis: a report of two cases, their *diagnosis* and **treatment** [Dogs]. 034996
Use of analytical tables for *diagnosis* in **veterinary** medicine. 034951

DIALDEHYDES

[Maize] *dialdehyde* **starches** and their hygienic evaluation [in the diet]. 032503

DIALLELS

General and specific combining abilities for percent of fruit set in a tomato (Lycopersicon esculentum Mill.) *diallel* **cross.** 036473
General and specific combining ability for mean fruit weight in a tomato (Lycopersicon esculentum Mill.) *diallel* **cross.** 036474
Diallel **cross** experiment among Sikkimese varieties, indica and japonica testers of rice, Oryza sativa L. III. Morphological characters. 036582
Reaction of *diallel* **crosses** of maize in T and N cytoplasms to Bipolaris maydis race T [Breeding for disease resistance]. 038599
Combining ability analysis of near-homozygous lines derived from a **12-parent** *diallel* cross in oats. 036425
Inheritance of earliness components in a **tomato** *diallel* cross including Lycopersicon pimpinellifolium mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. 036478
Heterosis and combining ability in a spring **wheat** *diallel* cross. I. Grain yield and its components. 036378
Heterosis and combining ability in a spring **wheat** *diallel* cross. 2. Some agronomic characters. 036379
Heterosis and combining ability in a spring **wheat** *diallel* cross. 3. Fertility restoration and seed set on male-sterile wheat. 036380

DIAMINES

Oxidative deamination of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by *diamine* **oxidase** [Dogs]. 033921

DIAMINOBENZIDINE

Photosynthetically-linked oxidation of *diaminobenzidine* in **blue-green** algae. 037079

DIAMMONIUM

Use of *diammonium* **phosphate** on winter wheat. 041093

DIANTHUS

Germination studies of *Dianthus* **armeria** and Dianthus deltoides. 037794
Carnation *[Dianthus* **caryophyllus]** propagation from shoot tips cultured in liquid medium. 037728
The Cultural Planning Committee of the carnation *[Dianthus* **caryophyllus]** growers trade. 038272
Chlorocholine chloride for better lodging resistace of choice carnations *[Dianthus* **caryophyllus].** 038305
Varietal trials of miniature carnation cultivars *[Dianthus* **caryophyllus].** 038387
Aggregation properties of carnation *[Dianthus* **caryophyllus]ringspot** virus. 038931
Germination studies of Dianthus armeria and *Dianthus* **deltoides.** 037794

DIAPAUSE

Diapause in the **Australian** flesh fly Tricholioproctia impatiens (Diptera: Sarcophagidae). 039630
Diapause in the **Australian** flesh fly Tricholioproctia impatiens (Diptera: Sarcophagidae). 039631
Photoperiodic determination of insect [Ostrinia nubilalis] development and *diapause.* III. **Effects** of nondiel photoperiods. 039831
Photoperiodic and temperature induction of **egg** *diapause* in Aedes caspius caspius Pall. (Diptera, Culicidae). 039500
Photoperiodic induction of the *diapause* of the **egg** phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
Diapause **experiments** with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, Tortricidae) populations in Hungary [Pest of hemp]. 039249
Intraspecific variability of reactions controlling the **larval** *diapause* in Calliphora vicina (Diptera, Calliphoridae). 039713
Insect seasonality: *diapause* **maintenance,** termination, and postdiapause development. 039619

DIAPHRAGM

Diaphragmatic **activity** and lung liquid flow in the unanesthetized fetal sheep. 034009
Repair of gastric tympany and rupture associated with a *diaphragmatic* **hernia** using both an intercostal and paracostal approach. 035303
On the participation of the *diaphragm* **nerve** of swine in the innervation of certain organs. 033990

DIARRHEA

Presence of Proteus and failure of antibiotherapy in neonatal **calf** *diarrhea.* 034990
Skiabaryum-Spofa in the prevention and treatment of *diarrhea* **[Escherichia** coli] of newly born calves. 035227
Influence of restrictive use of antibiotics on the development of drug resistance in intestinal Escherichia coli from **pigs** *[Diarrhea].* 035171
Treating *diarrhea* of dairy calves. 034977
The prevalence of antibodies to bovine **virus** *diarrhoea* and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163

DIASPIDIDAE

Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: *Diaspididae)* and its **exotic** predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. 039333
A new observation on the association between ants (Hymenoptera: Formicidae) and armoured scale insects **(Homoptera:** *Diaspididae).* 039229

DIATOMACEAE

Diatoms, **living** jewels of nature [Algae]. 036168
The influence of salinity on the growth of some **plankton** *diatoms* from brackish water. 037140
The *diatoms* of **Timpanogos** Cave National Monument, Utah [Algae]. 035956

DIATOMS

Brackish-water and fresh-water species of the *diatom* **genus** Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036108
Quantitative *diatom* [Algae] analysis as an archaeological aid [Soil samples]. 036964
An effect of osmotic pressure on the valve morphology of the *diatom* **Skeletonema** subsalsum (A. Cleve) Bethge [Algae]. 036338
Filament formation in the *diatom* **Skeletonema** costatum [Algae]. 036346

DIAZOMETHANE

The determination of saccharin by gas chromatography after methylation with *Diazomethane* **[Food** addtives]. 032924

DICAMBA

Efficiency of herbicides based on 2,4-D and MCPA associated with *dicamba* in **wheat** growing [dichlorophenoxyacetic acid and (4-chloro-o-toloxy) acetic acid]. 039158

DICARBOXYLIC

Localization of reactions of the C-4 *dicarboxylic* **acid** cycle in cellular structures of assimilating tissues of the cornleaf. 037583

DICHLOROANILINE

Hydrolyzable and **nonhydrolyzable** *3,4-dichloroaniline-humus* complexes and their respective rates of biodegradation [Phenylamide herbicides, residues in soils]. 039560

DICHLOROETHYLENE

DDE **[dichlorodiphenyl** *dichloroethylene]-induced* eggshell-thinning in the American kestrel: a comparison of the field situation and laboratory results. 039568

DICHLOROPHENE

Resistance of algae to *dichlorophen* **toxicity.** 039002

DICHLOROPHENOXYACETATE

Certain problems of nitrogen metabolism in plants [of kidney beans] under expansion of tissues induced by *2,4-dichlorophenoxyacetic* **acid.** 037622
Investigations on the dynamics of decomposition of *2,4-dichlorophenoxyacetic* **acid** and its mixtures in the soil. 039150
The residues of *2,4-dichlorophenoxyacetic* **acid** and its mixtures in cereal plants. 039151
Efficiency of herbicides based on 2,4-D and MCPA associated with dicamba in wheat growing *[dichlorophenoxyacetic* **acid** and (4-chloro-o-toloxy) acetic acid]. 039158

DICHLOROPHENYL

Chlorophyll forms affected by *3(3,4-dichlorophenyl)-1,1-dimethylurea* as shown by **low** temperature fluorescence spectra of chloroplasts and fragments [Maize]. 037405

DICHLOROPROPENES

Fumigation with D-D or *Telone* on **soils** prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
Fumigation with D-D or *Telone* on **soils** prone to Docking disorder. II. Effects on numbers of Trichodorus spp. and Longidorus spp. (Nematoda). 038954

DICHLOROVINYL

A new colorimetric method of determination of **O,O-dimethyl** *2,2-dichlorovinyl* phosphate in insecticidal preparations. 039579

DICHLORVOS

Cytogenetic activity of *dichlorvos* **[insecticide]** in barley. 039284

DICHROISM

Studies on cytochrome c. XI. **Circular** *dichroism* studies on synthetic peptides related to the C-terminal region of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Crystallographic data and **circular** *dichroism* spectrum of lipase from Geotrichum candidum Link [Fungi]. 036328
Double-headed protease inhibitors from black-eyed peas. II. Structural studies by optical absorption and **circular** *dichroism.* 037769
Waveguide mode effects, birefringence and *dichroism* in **fly** [Musca] photoreceptors. 039797
The **polarization** *sensitivity-dichroic* absorption paradox in arthropod photoreceptors. 039796
Tryptophanyl *circular-dichroic* band in soybean leghemoglobin. 037407

DICOTYLEDONS

The most **important** *dicotyledonous* weed species in winter and spring cereal, their regional distribution and their dependence on soil types. 039195

DICROCOELIUM

Eimeria leuckarti and *Dicrocoelium* **dendriticum** observed in horses imported to Denmark. 035170

DICTYOPTERA

A new genus and three new species of cockroaches (Blattaria: *Dictyoptera)* from **Africa** [Princisaria carvalhoi, Princisaria ugandana, Princisaria curta]. 040168
Ultraviolet-induced changes in cuticular waxes of American cockroaches, Periplaneta americana (L.) *(Dictyoptera:* **Blattaria:** Blattidae). 039669

DICTYOSTELIUM

Critical density for relaying in *Dictyostelium* **discoideum** [fungi] and its relation to phosphodiesterase secretion into the extracellular medium. 036320
Discovery of a 3',5'-guanosine monophosphate simulating factor in amoebae of *Dictyostelium* **discoideum** [Fungi]. 036812
Evidence for the existence of two types of cAMP [cyclic adenosine-5'-monophosphate] binding sites in aggregating cells of *Dictyostelium* **discoideum** [Fungi]. 036862
Regulation of development in *Dictyostelium* **discoideum** [Fungi]. I. Initiation of the growth to development transition by amino acid starvation. 036907

Enzyme activity changes during cyclic AMP [adenosine monosphosphate]-induced stalk cell differentiation in p4, a variant of *Dictyostelium* **discoideum** [Fungi]. 037048
Developmentally regulated proteins of the plasma membrane of *Dictyostelium* **discoideum.** The carbohydrate-binding protein[Fungi]. 037056
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on *Dictyostelium* **discoideum** [Fungi]. 037126
Guanosine metabolism and regulation of fruiting body construction in *Dictyostelium* **discoideum** [Fungi]. 037239
Studies on the alkaline phosphatase and 5'-nucleotidase of *Dictyostelium* **discoidleum** [Cellular slime mold]. 036789
The synthesis of messenger RNA in the cellular slime **mold** *Dictyostelium* discoideum. 036550
Cellular slime molds *[Dictyostelium,* **Polysphondylium,** Acytostelium] of southeast Asia. II. Occurrence and distribution. 035953

DIDYMIUM

Nuclear DNA content and ploidy values in clonally-developed plasmodia of the **myxomycete** *Didymium* iridis [Fungi]. 036415

DIEFFENBACHIA

Studies on *Dieffenbachia* **picta** Schott: toxic effects in guinea pigs. 035446

DIELDRIN

Dieldrin in the **diet** of channel catfish (Ictalurus pnctatus): uptake and effect on growth. 039575
Effect of **dietary** *dieldrin* on the liver and drug metabolism in the female Swiss-Vancouver mouse. 039533
Effects of *dieldrin* on the **neurosecretory** system and the ovarian development of Gryllus assimiliis F. (Orthoptera, Gryllidae). 039206
Linkage of the genes for DDT and *dieldrin* **resistance** in larvae of the mosquito Aedes aegypti. 039450

DIELS

Relation between *diel* **activity** and respiration in Armigeressubalbatus (Coquillett) (Diptera: Culicidae). 039856
Algal nitrogen fixation in Californian streams: *diel* **cyclesand** nocturnal fixation. 036950
The constituents of Tinospora **dentata** *Diels.* 037031

DIENCEPHALIC

Histogenesis of aminergic nerve cells in the **chick's** *diencephalon,* Gallus gallus. 033756

DIENES

Crystal structures of (5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione and *(5E,12E)-7beta-acetoxybertya-5,12-diene* **3,14-dione** [Bertya cuppressoidea]. 037025
Geometrical isomerization of *1,5-dienes:* **isomers** of gossyplure, the pink bollworm [Pectinophora gossypiella] sex attractants. 039289

DIESEL

Early intervention and extinguishing of forest fires by using a *diesel* **Campagnola** truck equipped with automatic spraying. 035474
Effect of the dynamics of the squirting process on the operation of the *Diesel* **engine.** 040409
Causes of failure and characteristics of reliability of **four-cycle** *diesel* engines selected for vehicles. 040413
Analysis of the *Diesel* **motor** noise of tractors in a brake room. 040407

DIETHYL

Effect of dimethyl sulphoxide in combination treatments with *diethyl* **sulphate** in the induction of chlorophyll mutations in Oryza sativa L. [Rice]. 036555

DIETHYLSTILBESTROL

Effect of *stilbestrol* **dipropionate** on hemoglobin, packed cell volume, plasma protein and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
Effects of *diethylstilbestrol* on **feral** house mouse (Mus musculus L.) population dynamics under experimental field conditions. 034006

DIETS

Effect of the excessive feeding of *dietary* **amino** acids in rats. 032335
Epidemiological and *dietary* **aspects** of rickets and osteomalacia. 032449
Influence of an anti **atherosclerotic** *diet* containing a protein enrichment agent on the clinico-biochemical indices in patients with Ischemic heart disease. 032488
Propionic acid-treated barley in the *diets* of **bacon** pigs. 034274
Nutrition, *diet,* and **cancer.** 032211
Low **carbohydrate** *diet,* alcohol and hypoglycemia. 032292
Influence of *dietary* **carbohydrate** on copper, iron, and zinc status of the rat. 032452
The role of *dietary* **carbohydrates** in plaque formation and oral disease. 032433
The *diets* of **cattle** and deer on rangeland. 034352
Dieldrin in the *diet* of **channel** catfish (Ictalurus pnctatus): uptake and effect on growth. 039575
Dietary **cholesterol** control - for all infants? 032361
Experimental atherosclerosis in rabbits fed **cholesterol-free** *diets.* 6. Skim milk powder. 035368
The ratio of zinc to copper in **cholesterol-lowering** *diets.* 032323
Brain acetylcholine: control by *dietary* **choline.** 032455
Physiological principles for the development of **complete** *diets.* 034338
The relative competitiveness of **"complete** *diets"* as opposed to individual component diets in milk production. 034342
Roughage-containing feed mixtures as **complete** *diets* for dairy cows. 034529
The relative competitiveness of "complete diets" as opposed to individual **component** *diets* in milk production. 034342
A study of the effects of *diet* **composition,** within the pounds of normal diversity, on the characteristics of backfat lipid in pigs. 034399
The effect of *dietary* **concentrations** of digestible energy on the performance and carcass characteristics of early-weaned pigs. 034277
Resistance to ketosis during prolonged fasting by rats fed on a *diet* **containing** undecanoic acid, an odd-carbon-number fatty acid. 032186
Clearance of endogenous creatinine and urea in pregnant women with late toxemia kept on a *diet* **containing** different amounts of protein. 032481
Redox state of the hepatic cells in rats receiving a *diet* **containing** 1,2-propanediol. 032497
Comparison of the effect of 3 *diets* **containing** beets or beet pulps or maize silage on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Effects of a *diet* **containing** 40 percent dried whey on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester white pigs. 034409
Salt supplementation of **corn-soy** *diets* for swine. 034415
Diet and **coronary** heart disease. 032268
Dietary **counseling** for patients admitted for coronary artery bypass graft. 032348
Metabolism of urea in buffalo calves fed on *diets* of different **crude** protein content. 034382
The effects of various dietary levels of menadione and iron on hepatic catalase activity in rats maintained on a vitamin E **deficient** *diet.* 032320
Diet for the **diabetic** child. 032438
Effect of *dietary* **dieldrin** on the liver and drug metabolism in the female Swiss-Vancouver mouse. 039533
The **dynamics** of *dietetics.* 032359
Effect of dried grass and whole grain in the *diet* of **early-weaned** lambs on performance and carcass fat quality. 034296
Dietary **effect** on subsequent growth of the Silver Montazah and the Golden Montazah chicks. 034259
Dietary **effect** on the performance of the Silver Montazah and the Golden Montazah pullets. 1. Rate of lay [Egg production]. 034260
Dietary **effect** on the performance of the Silver Montazah and the Golden Montazah pullets. 2. Egg size. 034261
Dietary **effect** on the performance of the Silver and the Golden Montazah pullets. 3. Feed utilization and livability. 034262
Dietary **effect** on the performance of the Silver Montazah and the Golden Montzah pullets. 4. Egg fertility and hatchability. 034263
Breed, line, sex and *diet* **effects** and interactions in swine carcass traits. 034659
Use of **elemental** *diet* and nitrogen balance studies in severe infantile protein-calorie malnutrition. 032327
Validity of using four food groups as a simple method of **evaluating** *diets.* 032328
[Maize] dialdehyde starches and their hygienic **evaluation** [in the *diet].* 032503
The influence of some *dietary* **factors** on cholesterol metabolism. 032450
The influence of *dietary* **fat** on the composition of the body fat of infants. 032432
Influence of *dietary* **fat** source on hepatic lipogenesis in the fasted-refed chick (Gallus domesticus). 033869
Favorable *diet-induced* changes in coronary risk factors. 032281
Feline *dietetics* [Cats]. 034359
Dietary **fiber** in human nutrition. 032209
Effect of *dietary* **fiber** upon [human] gastrointestinal function and dysfunctions. 032270
Dietary **fiber.** 032419
Iron nutriture **[Foods,** *diet].* 032291
Gestational *dietary* methionine level effects on performance and methionine-load response in three generations of rats. 032411
Metabolism of L-leucine-U-14C [carbon isotope] in young rats fed excess **glycine** *diets.* 034252
Dietetic **habits** and food consumptions by aged people in Piedmont; individual analysis. 032390
Toxic and dystrophic manifestations in rats on a *diet* with **high** salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
Effect of cold acclimation on changes in blood metabolites induced by **high-fat** *diet.* 032381
Fiber and other unavailable carbohydrates and energy effects in the **[human]** *diet.* 032282
Management and nutrition of early weaned pigs. 2. Effect ofvarying levels of fiber in the *diet* upon **incidence** of scours, performance and survival. 034473
Comments on *dietary* **intake** of drug-dependent persons. 032345
The effect of experimental **lard** *diet* on the occurrence of the signs of vitamin E deficiency in pigs. 035374
The effects of various *dietary* **levels** of menadione and iron on hepatic catalase activity in rats maintained on a vitamin E deficient diet. 032320
Influence of *dietary* **levels** of vitamin E and selenium of tissue and blood parameters in pigs. 034353
The influence of fat mobilizing substance and *dietary* **linoleic** acid on blood plasma fatty acid composition and linoleic acid metabolism in the laying hen. 033989
The effect of **low-calcium** *diet* and vitamin D3 on acid-base balance in young rabbits. 032164
Effect of a **low-carbohydrate** *diet* and alcohol on perceptual motor skill. 032350
Selective effect of a **maize** *diet* in reducing serum and brain tryptophan contents and blood and brain serotonin levels. 032384
Sugar in the *diet* of **man.** 032505
Sugar in the *diet* of **man;** a summary. 032506
Maximum *dietary* level of detoxified rapeseed meal for the rat. 032293
Source and level of phosphorus for growing-finishing swine [in barley-soybean **meal** *diets].* 034416
Dietary **measures** to improve behavior and achievement. 032160
Diet and **milk** protein production [Cattle]. 034420
Experiences from the group rearing of calves from birth to the end of the **milk** *diet* period. 034511
Wheat gluten as a pathogenic factor in schizophrenia [Cereal grain-free and **milk-free** *diet].* 032458
Food additives and hyperactivity; a comparison of food additives in the *diets* of **normal** and hyperactive boys. 032204
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by tissue slices of roosters fed a **phenylalanine-free** *diet* [Chickens]. 034427
Prediction of the digestible energy in **pig** *diets* from analyses of fibre contents. 034273
Effects on the growth of the rabbit of L-lysine and DL-methionine supplementation of simplified **plant** *diets.* 034290
Effect of *dietary* **potassium** level on utilization of magnesium by sheep fed different magnesium levels. 034468
The *diets* of **preschool** children in Newcastle upon Tyne, 1968-71. 032187
Supplementary vitamins as a *dietetic* **problem** with developing age. Dietotherapeutic approaches. 032391
Let's feed people and animals [The place of animal **productsin** our *diets].* 032168
Free cortisol in obesity; effect of fasting [High and low **protein** *diets].* 032162
Protein absorption and ammonia production: the effects of *dietary* **protein** and removal of the colon. 032185
Dietary **protein,** fat, and minerals in nephrocalcinosis in female rats. 032385
Effects of simultaneous reductions of food intake and *dietary* **protein** concentration on the growth and carcass quality of bacon pigs. 034401
Influence of the *dietary* **protein** deficiency on the protein synthetic activity of microsome and soluble fraction from muscle and liver of rats. 035297
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given **protein-deficient** *diets.* 032183
Relationship between the quality of *dietary* **proteins** and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats fed proteins of varying quality. 034311
Relationships between the quality of *dietary* **proteins** and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Peasants in the Bavarian **Provincial** *Diet* (1819-1970) [History]. 031054
Biotin deficiency and fatty liver and kidney syndrome in chicks given **purified** *diets* containing different fat and protein levels. 034344
Ruminal properties and plasma free amino acids of cows fed **purified** *diets* containing urea or soy protein together with rice straw. 034425
Response of alanine, tyrosine & leucine aminotransferases to *dietary* **pyridoxine &** protein in rat tissues. 032336
Late effect of premature weaning on blood cholesterol levelsin adult **rats** *[Diet].* 032414
Influence of **reduced** *diets* on the glucose-6-phosphate-dehydrogenase activity of the fatty tissue in patients with metabolic-alimentary adiposity. 032491
Dietary **regulation** of serum lipids in healthy, young adults. 032349
PKU [phenylketonuria] collaborative study—clinical effects of phenylalanine **restricted** *diets.* 032305
Early effects of feeding lysine and threonine deficient and supplemented **rice** *diets* on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
How much non-protein nitrogen? **[Ruminant** *diets].* 034255
The use of low quality forage in **ruminant** *diets* [Cattle]. 034374
Compare the difference! **[Sodium** in the *diet].* 032193
Helpful hints to cut down on **sodium** *[Diet].* 032194
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed **sole** *diets* of hay, silage and pasture differing in digestibility. 034400
Effects of *dietary* **soy** or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. 034410
The feasibility of *[dietary]* **standards** for the hemisphere. 032321

Modification of iron and copper metabolism by *dietary* **starch** and glucose in rats. 032415
Computers in *dietetics:* **state-of-the-art,** 1976. 032346
A *dietary* **survey** of older people in Edinburgh. 032182
Validity of the 24-hr. Recall *[Dietary* **surveys].** 032360
Atherosclerosis - part 5: *diet* **trials.** 032226
Effect of addition of formaldehyde on the *dietary* **value** of milk for mice and its quality. 034419
Dietary **vitamin** E and selenium requirements for optimum metabolic function at the subcellular level. 032269
Effect of *dietary* **vitamin** E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in erythrocytes and plasma of rats. 032271
The value of meat and bone meal as the major protein concentrate in the *diet* of **weaners** and fattening pigs in the tropics. 034377
The effect of *dietary* **zinc,** calcium and the previous zinc nutrition of the sow on growth of progeny. 034480
Effect of two levels of *dietary* **zinc** on reproductive performance of sows during five parities. 034793

DIFFRACTION

Electron *diffraction* study of cellulose [Cotton]. 033170
Optical *diffraction* from particles of Narcissus mosaic virus. 038920
X-ray *diffraction* determination of the structure of lagochilin [Lagochilus inebrians]. 036848
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via **X-ray** *diffraction,* absorption polarization spectroscopy and nuclear magnetic resonance. 037656
X-ray *diffraction* from oriented outer mitochondrial membranes. Detection of in-plane subunit structure [Mung beans, potatoes]. 037658
Quantitative fabric analysis of Drammen clay using **X-ray** *diffraction* technique [Marine sediment]. 040678

DIFFUSION

Use of the method of *"diffusion* **capsules"** for studying the patterns of synthesis of some hydrolytic enzymes by microorganisms [Trichoderma lignorum]. 037004
Translocation of iron in acid sulfate soils. II. Production and *diffusion* of **dissolved** ferrous iron [in Thailand]. 040782
A model for the simultaneous production and *diffusion* of **ferrous** iron in submerged soils. 040755
Transpiration rate and **intercellular** *diffusive* resistance in the tobacco leaf. 037372
The effect of wind and humidity on **leaf** *diffusive* resistance in Sitka spruce [Picea sitchensis]. 037917
Sugar extraction by *diffusion* under **non-steady** conditions. 033314
Verticillium wilt of strawberry. II. Study of the *diffusion* of the **pathogen** agent in the stolon tissues and in young plants. 038729
Diffusion in **South** Africa [Sugarcane processing]. II. 033246
Study of the *self-diffusion* of **water** in biological objects by the method of nuclear spin echo using pulse gradient of the magnetic field [Plants, mice]. 033879

DIGESTION

Apparent amino **acid** *digestibility* of feather meal with laying hens. 034383
Effect of germination on the biological value, *digestibility* **coefficient** and net protein utilization of some legume proteins. 032408
Comparative *wet-digestion* and dry-ashing of orange and Schefflera [actinophylla] leaves for nutrient determinations. 037730
The digestive transit in the rabbit. IV. Assay on the mathematical modelling of the transfers of radioactive marker between the different *digestive* **compartments.** 033752
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of *digestible* **crude** protein to total digestible nutrients of feedstuffs. 034426
The influence of the method of preservation of forages on the *digestion* in **dairy** cows. 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. 034119
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, silage and pasture **differing** in *digestibility.* 034400
Rate of passage of chromic oxide and polyethylene glycol and *digestibility* in the **digestive** tract of pigs. 034424
Treatment of *digestive* **disturbances** in the guinea pig. 035359
The effects of different blood-meal sources on *digestion* and **egg** production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. 039488
Prediction of the *digestible* **energy** in pig diets from analyses of fibre contents. 034273
The effect of dietary concentrations of *digestible* **energy** on the performance and carcass characteristics of early-weaned pigs. 034277
Restriction **enzyme** *digests* of the heavy nucleolar satellite deoxyribonucleic acid of Physarum polycephalum [Fungi]. 037313
Structural changes in [wheat] straw as affected by rumen microflora [Cattle, **feed** *digestibility].* 034522
The rate and products of degradation of xylans by rumen hemicellulases *[Digestibility* of **feeds** by ruminants]. 034214
Digestibility of **finishing** rations containing milled rice or corn [Beef cattle]. 034441
The *digestion* of the **glycoprotein** from pig gastric mucus with pepsin and other proteolytic enzymes. 034209
Digestibility of **ground** by-products (forestomach) of slaughter cattle used in dog nutrition. 034428
Sodium hydroxide treatment of barley straw; effect of volume and concentration of solution on *digestibility* and **intake** by sheep. 034276
The **intracellular** *digestive* apparatus of cultured chicken heart cells. A morphological, enzyme cytochemical, and morphometriec study. 034247
Chemical composition and in vitro dry **matter** *digestibility* of some important grasses. 034279
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of dairy cows: energy efficiency, *digestive* and **metabolic** aspects. 034288
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram *[digestibility]* and **moth** bean [Twinflower dolichos]. 032407
Gastrointestinal transit in monogastric animals. II. Motor events and *digesta* **movements.** 033750
Digestibility of **nutrients** from alfalfa hay, corn and oats by ponies. 034467
Digestibility and the use of **nutrients** of green feeds by lactating cows. 034520
Digestibility and **nutritional** value of some forages (white clover hay, ryegrass, carrot-roots and wheat bran) for ponies. 034282
Digestibility and **nutritive** value of barley for ponies. 034283
Comparison of the *digestibility* and **nutritive** value of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties [tested on ruminants]. 034284
The influence of the method of preservation of forages on the digestion in dairy cows. 2. *Digestion* of **organic** matter, energy and amino acids in forestomachs and intestines. 034119
Nutrient content and *digestibility* of **permanent** pasture [Beef cattle]. 034446
Digestibility of **rations** made of maize plants and poultry manure [Sheep]. 034526
Effect of monensin fed with forage on *digestion* and the **ruminal** ecosystem of steers. 034407
Phenol red as an indicator of the flow rate of *digesta* along the **small** intestine of pig. 033715
Comparison of the *digestibility* of various **sorghum** grain varieties [Beef cattle]. 034439
Radiotelemetric methods of investigation [Effects of electromagnetic waves on **swine** *digestion].* 034229
Digestibility for **swine** of fresh, ensiled and dried chopped maize cobs. 034525
Contributions to the growth of the *digestive* **system** in the Pekinese duck. 033728
Contributions to the growth of the *digestive* **system** in sheep. 2. 033729
Carbohydrate-fat metabolism in the *digestive* **system** of calves fed milk with the addition of formaline. 034488
The *digestive* **system** [Cats, diseases]. 034893
Cell protein as animal feed from **thermophilic** *digestion* of swine wastes. 033535
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of digestible crude protein to **total** *digestible* nutrients of feedstuffs. 034426
Passage of the intravenously administered 15N [nitrogen isotope] urea into the *digestive* **tract** and its excretion in thesheep. 033722
Rate of passage of chromic oxide and polyethylene glycol and digestibility in the *digestive* **tract** of pigs. 034424
Partial replacement of protein with carbamide in feeding rations and its effect on the concentration of free amino acids in the *digestive* **tract** of cattle. 034493
The *digestive* **transit** in the rabbit. IV. Assay on the mathematical modelling of the transfers of radioactive marker between the different digestive compartments. 033752
Thermal and mechanical treatment of feeding stuffs as influencing the **true** *digestibility* of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
The effect of calcium on the **tryptic** *digestion* of bovine intestinal calcium-binding protein. 033814
Digestibility of **untreated** and sodium hydroxide treated steer fecal waste. 034466
Studies on the in **vitro** *digestibility* of starch in some legumes before and after germination. 032417
Lesser known oil seeds: a note on their nutritive value as determined by in **vitro** *digestion* [Concentrated protein feeds]. 033524
Comparison of mineral acids in **wet** *digestion* of plant materials for flame and flameless atomic absorption measuremnt of metals. 037284

DIGGING

A model of *digging* **behaviour** and tunnel production in ants [Formica lemani, lasius niger]. 039812
How does the female locust [Locusta migratoria migratorioides] *dig* her **oviposition** hole? 039836

DIGITAL

Hydrologic land use classifications of the Patuxent River watershed using ERTS [Earth Resources Technology **Satellite]-1** *digital* data. 041365

DIGITALIS

Metabolism of 5beta-pregnane-3,20-dione and 3beta-hydroxy-5beta-pregnan-20-one by *Digitalis* **[purpurea]** suspension cultures. 037170

DIGITARIA

Prediction of soil water content changes in [irrigated and non-irrigated] Pangola grass *[Digitaria* **decumbens]** pastures. 040842
Sources of disease resistance in *Digitaria* **germplasm.** 039070
Resistance in *Digitaria* to the **yellow** sugar-cane aphid, Sipha flava (Forbes). 039306

DIGLUCOSIDES

A **new** *diglucoside* from the anthelmintic berries of Diospyros Mollis. 037288

DIHYDROXYBENZOIC

Formation of *2,4-dihydroxybenzoic* **acid** & resorcinol as intermediates in the degradation of salicylic acid by Aspergillus nidulans [Fungi]. 036992

DIKES

Soil erosion protection of **sea** *dike* foundations. 041211

DILATION

Acute *dilatation* and torsion of stomach in an Alsatian dog-a case report. 035326

DILUTION

Gamma-irradiation of lima bean protease inhibitor in *dilute* **aqueous** solutions. 037826
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a *dilute* **glyoxal** bis(2-Hydroxyanil) solution[Chick embryos]. 033842
Biology of the spermatozoon of Apis mellifera. I. Influence of *diluents* and pH **[hydrogen-ion** concentration]. 040243
Specific effects on enzyme activities upon *dilution* of **Petroselinum** hortense cell cultures into water. 036787

DIMER

The induction of **pyrimidine** *dimers* in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces cerevisiae [Yeasts]. 036557

DIMETHOATE

Preparing of *dimethoate* in **insecticide** form for ultra-low volume treatments [Leptinotarsa decemlineata, Eurygaster]. 039299
Estimation of *dimethoate* **[pesticide** residue] in foods. 032083

DIMETHYL

Effects of B-9 *(N-dimethyl-aminosuccinamic* **acid)** on growth and yield of peanuts (Arachis hypogaea L.). 037468
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of *5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane* under **catalytic** hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
A new colorimetric method of determination of *O,O-dimethyl* **2,2-dichlorovinyl** phosphate in insecticidal preparations. 039579
Hepatic drug metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 *(0,0-dimethyl* **malathion).** 039550
DNA breakage caused by *dimethyl* **mercury** and its repair in a slime mould, Physarum polycephalum [Fungi]. 037131
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. induced by *dimethyl* **sulfate.** 036671
Effect of *dimethyl* **sulphoxide** in combination treatments with diethyl sulphate in the induction of chlorophyll mutations in Oryza sativa L. [Rice]. 036555

DIMETHYLAMINE

Effect of B-995 *(N-dimethylamino* **succinamic** acid) on growth, flowering and mineral accumulation of tobacco plants. 037335

DIMETHYLUREA

Chlorophyll forms affected by *3(3,4-dichlorophenyl)-1,1-dimethylurea* as shown by **low** temperature fluorescence spectra of chloroplasts and fragments [Maize]. 037405

DINITROANILINE

Dinitroaniline **herbicides** in soils [Residues]. 039140

DINITROPHENOL

The effect of 2, *4-dinitrophenol* on the **growth** of Bordetella pertussis in chick tracheal organ culture. 035139
Respiratory effects of H+ [hydrogen ion] and *dinitrophenol* **injections** into the brain stem subarachnoid-space of fetal lambs. 033849

DINITROPHENYLHYDRAZONES

Thin layer chromatography of *2,4-dinitrophenylhydrazones* of **carbonyl** compounds [in dairy products]. 032989

DINOFLAGELLATA
Genetic analysis in the *dinoflagellate* **Crypthecodinium** (Gyrodinium) cohnii: evidence for unusual meiosis [Algae]. 036623
Characterization of the DNA from the *dinoflagellate* **Crypthecodinium** cohnii [Algae] and implications for nuclear organization. 036861

DINOPHYCEAE
A survey of chloroplast ultrastructure in the *Dinophyceae* **[Algae].** 036337
Effect of colchicine, maleic hydrazide, caffeine & theobromine on cell division of the algal flagellate Gymnodinium inversum var. elongatum **Nygaard** *(Dinophyceae).* 036316

DINOSEB
Effects of bentazon and *dinoseb* on **soil** microorganisms and on the Rhizobium-Leguminosae symbiosis. 039182

DINUCLEOTIDES
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide **adenine** *dinucleotide* phosphate] redox balances. 032865
Mutants of Aspergillus nidulans lacking nicotinamide **adenine** *dinucleotide-specific* glutamate dehydrogenase [Fungi]. 036561
Purification and properties of polyol: NADP [niconinamide **adenine** *dinucleotide* phosphate] oxidoreductase from pichia quercuum [Fungi]. 036731
Effect of NADP [nicotinamide **adenine** *dinucleotide* phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Identification of NADPH [reduced nicotinamide **adenine** *dinucleotide* phosphate]-thioredoxin reductase system in Euglena gracilis [Algae]. 037240

DIOCTOPHYMIDAE
Development of the giant kidney worm, *Dioctophyma* **renale** (Goeze, 1782) (Nematoda: Dioctophymatoidea) [Found in mink]. 035040

DIONES
Metabolism of *5beta-pregnane-3,20-dione* and **3beta-hydroxy-5beta-pregnan-20-one** by Digitalis [purpurea] suspension cultures. 037170
Crystal structures of *(5E,12E)-7beta-acetoxy-15beta-hydroxyberta-5,12-diene-3,14-dione* and **(5E,12E)-7beta-acetoxybertya-5,12-diene** 3,14-dione [Bertya cuppressoidea]. 037025

DIOSCOREA
The polyphenol of *Dioscorea* **alata** (yam) tubers associated with oxidative browning. 033416
Separation of water-soluble and water-insoluble saponins from rhizones of *Dioscorea* **deltoidea.** 036774
Measurement of steroid saponins in *Dioscorea* **deltoidea** leaves. 037223
Flours made from edible **yams** *(Dioscorea* spp.) as a substitute for wheat flour. 033417
Nutritional deficiencies of **yams** *(Dioscorea* spp.) and related effects on yield and leaf composition. 039014

DIOSGENIN
Effect of cholesterol on growth & production of *diosgenin,* **gitogenin,** tigogenin & sterols in suspension cultures [Trigonella foenum-graecum]. 037452

DIOSPYROS
A new diglucoside from the anthelmintic berries of *Diospyros* **Mollis.** 037288

DIOXABICYCLO
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of *5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane* under **catalytic** hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the *6,8-dioxabicyclo[3.2.1]octane* **series** by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. 039392

DIOXIDE
Comparison between refrigerated sea water (with or without added **carbon** *dioxide)* and ice as storage media for fish to be subsequently frozen. 032739
Application of controlled atmospheres containing 20 percent CO2 **[carbon** *dioxide]* to the storage of beef. 033055
Gas-blood pCO2 **[carbon** *dioxide* pressure] gradients during avian gas exchange [Chickens]. 034015
Studies on lichen-dominated systems. XIII. Seasonal and geographical variation of new CO2 **[carbon** *dioxide]* exchange of Alectoria ochroleuca. 036856
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 **[carbon** *dioxide]* exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859
A CO **[carbon** *dioxide]2* monitoring and control system for plant growth chambers. 037143
Abscisic acid content and stomatal sensitivity to CO2 **[carbon** *dioxide]* in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. 037200
The effects of high and low **carbon** *dioxide* concentrations on plankton population dynamics [Algae]. 037245
Comparison of the changes in net photosynthetic CO2 **[carbon** *dioxide]* uptake and water vapour efflux during leaf ontogenesis with the differences between the [tobacco] leaves according to their descending insertion level. 037367
Photosynthetic CO2 **[carbon** *dioxide]* assimilation in maize and spinach leaves and chloroplasts. 037446
Studies on CO2 **[carbon** *dioxide]* uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, corn and sorghum plant. 037544
Transformation factor from **carbon** *dioxide* net assimilation to dry weight in crops. II. Peanut. 037546
Transformation factor from **carbon** *dioxide* net assimilation to dry weight in crops. III. Rice. 037547
Carbon *dioxide* transfer and photochemical activities as factors of photosynthesis during ontogenesis of primary bean leaves. 037742
Diurnal fluctuation of CO2 **[carbon** *dioxide]* release from the stem bark of standing young Pinus densiflora trees. 037923
The method for estimating the CO2 **[carbon** *dioxide]* gradient in an assimilation chamber [Pinus thunbergii, photosynthesis]. 037925
A method for determining **carbon** *dioxide* concentration [of interest to horticulture]. 038302
Influence of **carbon** *dioxide* narcosis and cold immobilization on the ovarian growth of the cockroach Nauphoeta cinerea. 039909
14C [carbon isotope]-labelled material leached from the rhizosphere of plants supplied continuously with 14CO2 **[carbon** *dioxide* isotope]. 040805
Annotated bibliography on rose nutrition, including supplementary CO2 **[carbon** *dioxide],* 1970-1975. 041061
Removal of inhaled 239PuO2 **[plutonium** *dioxide* isotope] from beagle dogs by pulmonary lavage. 033911
Possibility of increasing the sugar yield by adding **sulphur** *dioxide* and calcium bisulphite during sugar extraction. 033312
The effect of SO2 **[sulphur** *dioxide]* pollution on plant metabolism. 039057
The long range transport of **sulphur** *dioxide* [Air pollution]. 041491

DIPHOSPHATASE
Control of rabbit liver fructose-1, *6-diphosphatase* **activity** by magnesium ions. 034024
Properties of spinach **chloroplast** *fructose-1-6-diphosphatase.* 037808

DIPHOSPHATE
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and **adenosine** *diphosphate* on the kinetic properties. 033763
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP **[adenosine** *diphosphate]-glucose* and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with rage of potatoes. 037814
Nucleoside *diphosphate* kinase of beef erythrocytes. Purification of the phosphorylated form. 033819
Poly(adenosine *diphosphate* ribose) glycohydrolase in Physarum polycephalum [Slime molds]. 036786
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP **[uridine** *diphosphate]-glucose* pyrophosphorylase activities associated with rage of potatoes. 037814
Structure and mechanism of action of **uridine** *diphosphate* apiose/ uridine Diphosphate xylose synthase from cell-suspension cultures of parsley (Petroselinum hortense). 037873

DIPLOIDS
Regeneration of haploid and *diploid* **Datura** innoxia Mill. Mesophyll protoplasts to plants. 036716
Flight behaviour studies on *diploid* **drones** of Africanized honeybees, Apis mellifera adansonii. 040245
Ultrastructure of the compound eye of the *diploid* **female** beetle, Xyleborus ferrugineus. 039674
A colchicine **induced** *diploid* from a haploid soybean twin. 036568
Manifestation of male sterility in autotetraploids derived from *diploid* **male-sterile** radishes (Raphanus sativus L.). 036583
Androhaploids and **restitutional** *diploids* induced in vitro as the initial material for the analysis and for the selection of characters in synthetic breeding [Tobacco]. 036510
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of induced mitotic recombination in *diploid* **[Saccharomyces** cerevisiae] yeast cells. 036515
Male sterility in *diploid* **species** of coffee. 036552
Spontaneous *diploidization* in haploid Nicotiana silvestris Speg. et Comes. 036376
Studies on intraindividual and interindividual variation of rye chromosome pairing in *diploid* and **tetraploid** populations. II Individual variation. 036395
On the genetics of flower colours in *diploid* and **tetraploid** genotypes of Begonia semperflorens Link et Otto. 036720
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of *diploid,* **tetraploid** and hexaploid species of Triticum and Aegilops. 037404
Induction of haploid glycoprotein mating factors in *diploid* **yeasts** [Hansenula wingei]. 037103

DIPLOPODA
A note on the status of Polydesmus clavatipes and some related species from central **Asia** *(Diplopoda,* Polydesmidae). 040164
Ratio of the body length and weight in Pachyiulus flavipes and Amblyiulus **continentalis** *(Diplopoda,* Juloidea). 039973
Two new to USSR fauna genera of **Oniscomorpha** *(Diplopoda),* found in Transcaucasia and their zoogeographical connections. 040179

DIPTERA
Autogenetic development of ovaries in mosquitoes of the genus **Aedes** *(Diptera,* Culicidae) in the south Yamal. 039965
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in susceptible genotypes of Aedes **aegypti** *(Diptera:* Culididae). 039476
Paregle danieli sp. N. *(Diptera,* **Anthomyiidae)** from the Himalayas [New taxa]. 039981
Bibio marci L. *(Diptera,* **Bibionidae)** bred from a rottin stump. 039701
An anomaly in the wing of Bombylius erectus **Brunetti** *(Diptera:* Bombyliidae). 039707
A case of traumatic dermal myiasis in Quebec caused by Phormia regina (Meigen) *(Diptera:* **Caliphoridae).** 039451
Chemosterilization of screwworms [Cochliomyia hominivorax] *(Diptera:* **Calliphoridae):** influence of age at time of treatment on sterility and longevity. 039475
Melinda caerulea Mg. *(Diptera,* **Calliphoridae)** in rotten wood. 039703
Information on wing-reduced Diptera in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis **(Cecidomyiidae,** *Diptera).* 040165
Positional effects of the polar plasm on the karyotype differentiation in Heteropeza pygmaea **(Cedidomyiidae,** *Diptera).* 039911
A mass attack by the biting midge Culicoides nuubeculosus (Mg.) *(Diptera,* **Ceratopogonidae)** on grazing cattle in Denmark; a new aspect of sewage discharge. 039494
Photoperiodic induction of the diapause of the egg phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. *(Diptera,* **Ceratopogonidae).** 039894
A midge [Dasyhelea lithotelmatica] *(Diptera,* **Ceratopogonidae)** new to Britain that is abundant in the limestone pavement of the Yorkshire Pennines. 040010
Chloropidae *(Diptera)* of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. 040069
Definition of **Coenomyiidae** *(Diptera).* I. Diagnoses of the family. 040141
Definition of **Coenomyiidae** *(Diptera).* II. Genera of the family. 040142
Definition of **Coenomyiidae** *(Diptera).* II. Genera excluded from the family. 040143
Phumosia spinicosta (Hough) a new **combination** *(Diptera:* Calliphoridae). 040099
The effects of different blood-meal sources on digestion and egg production in Culex tarsalis Coq. *(Diptera:* **Culicidae)** [Identification of host-blood sources or host preferences]. 039488
Photoperiodic and temperature induction of egg diapause in Aedes caspius caspius Pall. *(Diptera,* **Culicidae).** 039500
Relation between diel activity and respiration in Armigeressubalbatus (Coquillett) *(Diptera:* **Culicidae).** 039856
A new species of Aedes (Stegomyia) [krombeini] from Sri Lanka (Ceylon) *(Diptera:* **Culicidae).** 040118
Two new western **Culicoides** *(Diptera:* Ceratopogonidae) which are vectors of filaria in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. 040003
Leptocera (Opacifrons) moravica sp. N. From **Czechoslovakia** *(Diptera,* Sphaeroceridae). 039980
Combat between males of Pogonortalis **doclea** *(Diptera,* Platystomatidae) and its relation to structural modification. 039627
Locomotor activity and respiration of the 3rd instar of Calliphora **erythrocephala** *(Diptera,* Calliphoridae). 039643
Optical qualities of the fly *[Diptera]* **eye**—an approach from the side of geometrical, physical and waveguide optics. 039791
Materials concerning the morphology, biology and taxonomy of some species of Phytomyza **Fallen** *(Diptera,* Agromyzidae). 039994
Eriozona syrphoides **Fallen** *(Diptera,* Syrphidae) in North Wales. 040020
Ecology of flies of the genus **Fannia** *(Diptera,* Muscidae) in Ivanovo district. 039967
Insects and spiders from year-old galls caused by Eurosta solidaginis **Fitch** *(Diptera:* Trypetidae) on goldenrod, Solidago canadensis L. 039233
Notes on parasitism of black **flies** *(Diptera:* Simuliidae) in streams treated with Abate. 039481
A key to larvae of the genus **Glyptotendipes** *(Diptera,* Chironomidae) in wter bodies of the Moscow district [New taxa]. 040172
Attractants for synanthropic flies: Identification of attractants and coattractants for Hippelates [collusor] eye **gnats** *(Diptera:* Chloropidae). 039467
Palearctic species of the Lonchaea corticis **group** *(Diptera,* Lonchaeidae) [New taxa]. 040177
A new species of Culex (Eumelanomyia) [manusensis] Theobald from Manus Island, Papua-New **Guinea** *(Diptera:* Culicidae). 040120

On the use of the structure of the male's genitalia for the taxonomy of **horseflies** *(Diptera,* Tabanidae). 040054
Taxonomic analysis of **hoverflies** *(Diptera,* Syrphidae). II. [New taxa]. 040059
Diapause in the Australian flesh fly Tricholioproctia **impatiens** *(Diptera:* Sarcophagidae). 039630
Diapause in the Australian flesh fly Tricholioproctia **impatiens** *(Diptera:* Sarcophagidae). 039631
A description of the larva and pupa of Haematopota scutellata rossica Olsufjev et **Ivanistshuk** *(Diptera,* Tabanidae). 040046
A new Palaearctic species of Syndyas [subsabinios] Loew from Spain, with synonymic notes on the genus Sabinios **Jones** *(Diptera,* Empididae). 039977
Study on relationships between habits and external structures in oligotrophidi **larvae** *(Diptera,* Cecidomyiidae). 039963
On the classification of the biting **midges** *(Diptera,* Ceratopogonidae). 040137
Review of the British and notes on other species of the Mycetophila ruficollis-group, with the description of a new species [Mycetophila britannica] *(Diptera,* **Mycetophilidae).** 040028
Two **Mycetophilidae** *(Diptera),* new to Britain. 040034
Actia maksymovi Mesn. (Tachinidae, *Diptera),* **new** for the fauna of Poland parasite of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
The discovery of a member of the peculiar family **Nymphomyiidae** *(Diptera)* in the Maritime Territory [USSR]. 040074
A cytological study of two closely related blackfly species: Cnephia dacotensis and Cnephia **ornithophilia** *(Diptera:* Simuliidae). 039657
B-chromosomes of Cnephia dacotensis and Cnephia **ornithophilia** *(Diptera:* Simuliidae). 039659
The salivary gland chromosomes of Telmatoscopus albipunctatus (Williston) *(Diptera:* **Psychodidae).** 039670
Occurrence of Phagocarpus permundus in Vogelsberg and its western border **region** *(Diptera,* Trypetidae). 040078
Polytene chromosomes of the sandfly Lutzomyia longipalpis and the cytogenetics of Psychodidae in **relation** to other *Diptera.* 039838
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on Agromyza frontella **Rondani** *(Diptera,* Agromyzidae). 040157
An attempt at a zoocoenological evaluation of the synusies of the subfamily **Sarcophaginae** *(Diptera)* in three Moravian vegetation tiers. 039605
Coniosternum obscurum Fall. *(Diptera,* **Scatophagidae)** in Wiltshire. 040017
The larvae of Tahitian **Simuliidae** *(Diptera:* Nematocera). 040110
A new subspecies, Prosimulium macropyga korshunovi patrusheva subsp. n., *(Diptera,* **Simuliidae)** from the polar Urals. 040135
A taxonomic revision of certain Aedes **species** *(Diptera:* Culicidae) of the subgenus Aedimorphus in southern Africa [New taxa]. 040097
A preliminary report on the **Syrphidae** *(Diptera)* of Belize, with the description of a new species. 040038
Seasonal changes in physiological age composition of **tabanid** *(Diptera)* populations in southern Ontario. 039857
Preimaginal morphology of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. *(Diptera,* **Tabanidae).** 039725
Seasonal flight periods of **Tabanidae** *(Diptera)* in Rhodesia. 039842
On the colour vision of **Tabanidae** *(Diptera).* 039972
Discovery of Haematopota scutellata Ols. M. Et Chv. *(Diptera,* **Tabanidae)** in the middle European part of the USSR and the description of a new subspecies. 040050
Linnaemyia haemorrhoidalis Fall. *(Diptera,* **Tachinidae):** a correction. 040022
Sexual behavior maturation in male Aedes **triseriatus** *(Diptera:* Culicidae): a re-examination. 039858
Lutzomyia **vespertilionis** *(Diptera:* Psychodidae): potential vector of chiropteran trypanosomes in Panama. 039480
Intraspecific variability of reactions controlling the larval diapause in Calliphora **vicina** *(Diptera,* Calliphoridae). 039713
Information on **wing-reduced** *Diptera* in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165

DIPTEROCARPUS

Pointers in logging and sawmilling malabayabas *[Dipterocarpus* **grandiflorus,** Tristania decorticata] for railways ties. 035755
Service life of creosoted apitong *[Dipterocarpus]* and **othertimber** species as railway ties for 10 years. 035758
Recommended limiting spans for rafters made from graded **timber** *[Dipterocarpus].* 035757

DISACCHARIDES

Intestinal uptake by starved-refed rats of sugars derived from *disaccharides* and from their **monosaccharide** equivalents. 032412
O-alpha-D-glycopyranosyle-(1 to 5)-D-arabinofuranose—a type of *disaccharide* **synthetized** bacterioenzymatically [Sugar processing]. 033307

DISCOLORATION

Fungi isolated from *discolored* **asphalt** roofing shingles. 035699

DISCOMYCETES

Operculate *Discomycetes* from Rana (Norway). 1. Chalazion sociabile gen. nov., sp. nov. [Fungi]. 036083

DISEQUILIBRIUM

On the *disequilibrium* of **factor** alocation in West German agriculture. 031346
A design III study of **linkage** *disequilibrium* for percent oil in maize [Genetic variance]. 036419

DISINFECTION

First results in the development and use of **aerosol** *disinfection* methods in industrial [livestock] facilities. 034922
Practice of **barn** *disinfection* in cattle rearing. 033647
Barn *disinfection* in swine rearing. 035149
Testing possibilities for **barn** *disinfection.* 035150
Disinfection [**Cattle** sanitation]. 034876
Disinfection of **clay** soil using the injection method [Spraying equipment]. 040499
Comb *disinfection* [Apiculture]. 040270
Cleaning, a measure preparatory to *disinfection* in the **food** sector. 032799
Use of hydrogen peroxide to *disinfect* **installations** producing brucellosis preparations. 034936
Materials for cleaning and *disinfecting* **milking** machines and udders. 033627
Rational **soil** *disinfection* with chemicals. 038985
Biochemical method of *disinfection* and **utilization** of swine manure. 041117

DISINTEGRATION

Enzymic *disintegration* of pectines in the presence of amino acids and proteins [Aspergillus niger, Fungi]. 037218
Conversion and disposal of placentas by **mechanical** *disintegration* in industrial swine production plants [Sanitation]. 034921

DISKS

Study of proteins and some enzymes of pancreatic juice in swine by the method of *disc* **elctrophoresis** in polyacrylamide gel. 034191
Systems of *disc* **electrophoresis** for studying acid proteinases [Aspergillus awamori, fungi]. 036902
Disc **electrophoretic** analysis of cellular components derived from Fusobacterium necrophorum [Bovine hepatic abscesses]. 035014
A *disc* **electrophoretic** study of the protein of susceptible, tolerant and resistant lucerne with reference to Verticillium [albo-atrum] wilt. 038668
Aging and its relation to cell growth and differentiation in Drosophila [melanogaster] **imaginal** *discs:* developmental response to growth restricting conditions. 039900
Influence of alpha- and beta-ecdysone on the differentiation of the **imaginal** *disks* of Drosophila melanogaster, culturedin vitro. 039928
Genetic variation of photosynthetic rate in **leaf** *discs* of Zea mays L. [Maize]. 036544
Rapid metabolic changes in the wounding response of **leaf** *discs* [of tobacco] following excision. 037526
Developmental compartmentalization in the dorsal **mesothoracic** *disc* of Drosophila. 040217
Application of both **paper** *disk* assay method and TTC [triphenyltetrazolium chloride] test for the detection of antibiotics in eggs. 032065
A **paper** *disc* technique for the recovery of Pythium spp. From soil or water. 038750
The structure of the **protein** *disk* of tobacco mosaic virus to 5 A [angstrom] resolution. 038930

DISMUTASE

The effect of the presence of the metal prosthetic groups on the subunit structure of bovine **superoxide** *dismutase* in sodium dodecyl sulfate. 034137

DISPLACEMENT

Frame *displacement* and deformation of frame saws. 035809
On the effect of the speed of *lengthwise-displaced* **sawlogs** on parameters of power sorting. 035814

DISPOSAL

A two pound system of dairy shed **effluent** *disposal.* 041504
Management is important in **effluent** *disposal* [Dairy farms]. 041505
Effects of swine lagoon **effluent** *disposal* on soil-plant-runoff quality. 041653
Heavy metals application and plant uptake in a **land** *disposal* system for waste water. 041606
Alternatives to **marine** *disposal* of sewage sludge. 041467
Conversion and *disposal* of **placentas** by mechanical disintegration in industrial swine production plants [Sanitation]. 034921
Current status of paper reprocessing effluent characteristics and *disposal* **practices** [Water pollution]. 041669
Nitrogen and phosphorus levels in soils beneath **sewage** *disposal* ponds. 040673
Sludge *disposal* and the coastal metropolis. 041474
Trends in waste **solid** *disposal* in U.S. Coastal waters, 1968-1974. 041475
Committee on Commodity Problems Consultative Sub-committee on **Surplus** *Disposal.* Summary record, 216th meeting, 13 January 1976, 10:00 a.m. 031566
Design guidelines for septic tank sludge **treatment** and *disposal.* 041632
Effects of baled solid **waste** *disposal* in the marine environment—a descriptive model [Water and air pollution]. 041470
Separating the liquid and solid excreta in animal **waste** *disposal.* 041483
Environmental problems in the meat industry [**Waste** *disposal].* 041589
Transportation and **waste** *disposal.* 041595
Nitrogen and phosphorus losses from **winter** *disposal* of dairy manure. 040999

DISSECTION

Osteochondritis *dissecans* of the epiphysis of the dog shoulder. 035384

DISSEMINATION

From Trametes quercina to Formes fomentarius [**Fungi,** *dissemination].* 036045

DISSIPATION

Energy *dissipation* and photosynthesis in nitrogen and phosphorus nutrition [Sunflowers]. 037582
Dissipation and **respiration** temperature of young and aged leaves in the dark. 036918

DISSOCIATION

Effect of sodium dodecyl sulfate on the *dissociation* of **bovine** liver catalase. 034026
Dissociation of the **DNA** replicase system of bovine lymphocyte nuclei. 033793
A **mechanical** *dissociation* method for preparation of muscle cell cultures [Chick embryos]. 034044
Isoionic titration and isopycnic density gradient centrifugation studies of margnesium activation and **subunit** *dissociation* in yeast [Saccharomyces cerevisiae] enolase. 036785

DISTEMPER

Failure of attenuated **canine** *distemper* virus (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. 035050
Problems on the preventive inoculation against **canine** *distemper.* 035122
The efficacy of Candivac SHL against *distemper,* **canine** viral hepatitis, leptospirosis, and rabies tested in dogs. 035140
Chorioretinitis and detached retina as *post-distemper* **lesions** in the canine. 035100

DISTILLATION

Environmental [pollution] aspects of fatty **acid** *distillation.* 041655
Effect of extracts and *distillates* of **amended** soil on the activity of Meloidogyne javanica [Okra, tomatoes]. 039003
Some investigations on two types of coolers to a 100 **liter** *distillation* apparatus for essential oil raw materials. 032904
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: insecticides, **petroleum** *distillates,* and flaming. 039301

DISTILLERS

Mechanisms of abnormal fermentation of *distiller's* **yeast** [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865

DISTURBANCE

Biorhythm *disturbances* and the life span of some insects. 039958
Treatment of **digestive** *disturbances* in the guinea pig. 035359
Plant community age as a measure of sensitivity of **ecosystems** to *disturbance.* 036227
Morphological and physiological bases of some **locomotor** *disturbances* of swine raised on a large-scale. 035381
Occurrence of latent **metabolic** *disturbances* in clinically healthy dairy cows. 035382
Disturbances of the **methionine** metabolism in the presence of vitamin B12 deficiency in animals [Rats]. 032178
Patho-physiological studies on **microcirculatory** *disturbance* in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN [polymorphonuclear]-leukocytes [Rabbits]. 035304
The *disturbance* of **physiological** gradient of flowering in the photoperiodically neutral species by means of ringing and biologically active substances [Tobacco]. 037397
Techniques of researching information for the development of a manual to vegetate soils of low **productivity** *disturbed* by construction activities. 041183
Functional **reproductive** *disturbances* and fertility results in young and old sows of different gene constructions [Swine]. 034834
Erosion and sediment from forest land uses, management practices and *disturbances* in the **southeastern** United States. 035606
Predicting anion movement in *disturbed* and **undisturbed** soils. 040769
The growth of *disturbances* in **unstable** infiltration flows [in soil]. 040778

DISULFIDES

Disulfide **bond-modified** trypsinogen: Role of disulfide i79203 on the specificity characteristics of bovine tryspin toward synthetic substrates. 034038
Sulphhydryl and *disulphide* **groups** in PSE [pale, soft, exudative] meat [Pork]. 032005

Determination of sulphydryl and *disulphide* **groups** in proteins by amperometric titration. [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. 033114
Investigation of **wheat protein** *disulfide* reductase. 037359
Disulfide bond-modified trypsinogen: Role of *disulfide* 179203 on the **specificity** characteristics of bovine tryspin toward synthetic substrates. 034038
Physiological and genetic effects of seed treatment with **tetramethylthiuram** *disulfide* (TMTD) [Wheat, germination, chromosome]. 036465

DISULFOTON
Effect of fertilisation on the degradation of dicrotophos, *disulfoton* and **phorate** in soil. 040921

DITERPENES
Four new **labdane** *diterpene* oxides from Sideritis gomerae. 037163
X-ray structure and absolute stereochemistry of stemarin, a *diterpene* with a **new** skeleton [Stemodia maritima]. 036868
Constituents of Evodia floribunda Baker, I. Floribundic acid, a **new** *diterpene* of the clerodane type. 037291

DITERPENOIDS
The *diterpenoid* [**Delphinium**] alkaloids: chemistry and synthesis. 036748
Terpenoid, **especially** *diterpenoid* pigments [in plants]. 036801
A **new** *diterpenoid* acetate from Sideritis reverchonii. 037158
The chemistry on *diterpenoids* in 1973 [**Plants**]. 036850

DITHIOCARBAMATES
Behavior and fate of ethylenethiourea in plants *[Dithiocarbamate* **fungicides,** residues, vegetables]. 039555

DIURETICS
Action of ADH *[antidiuretic* **hormone],** cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in dog salivary glands. 033929
Normal values of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the *antidiuretic* **system** and the thirst mechanism in unanesthetized dogs. 033714

DIURNAL
The effect of seaweed macrophytes [Algae] on *diurnal* **balance** of vitamin B12 in Bay of Barentz Sea. 036845
Diurnal **changes** in nitrogen fixation in the root nodules of Casuarina [cunninghamiana]. 037247
Diurnal **fluctuation** of CO2 [carbon dioxide] release from the stem bark of standing young Pinus densiflora trees. 037923
Peculiarities of *diurnal* and **seasonal** dynamics of transpiration intensity of meadow plants. 037375
Diurnal **variations** in composition of caecal contents in rabbits. 034242

DIVALENT *see* VALENCE

DIVERSIFICATION
Need for bringing legislation up to date for **greater** *diversification* and better utilization of foods. 031778

DOCIOSTAURUS
Grasshoppers of the **genus** *Dociostaurus* Fieb. (Orthoptera, Acrididae). II. 040070

DOCKAGE
Weed seeds in *dockage* in **Manitoba.** 039106

DOCKING
Fumigation with D-D or Telone on soils prone to *Docking* **disorder** [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
Fumigation with D-D or Telone on soils prone to *Docking* **disorder.** II. Effects on numbers of Trichodorus spp. and Longidorus spp. (Nematoda). 038954

DOCTORS
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, *Doctor* of **Medicine],** pioneer in the area of prevention of botulism [Clostridium botulinum];. 032145
Too many *doctors* around the **mountain,** the large patient [Forest management, legislation]. 035513
Professor K. F. Meyer, D.V.M., M.D. *[Doctor* of **Veterinary** Medicine, Doctor of Medicine], pioneer in the area of prevention of botulism [Clostridium botulinum];. 032145

DOCUMENTATION
Concerning **false** *documentation* which submerges us [Agricultural engineering]. 040338
Plot *documentation* and its adequate use for socialist farms. 031169

DOCUMENTS
Regional *document* delivery via [agricultural] land-grant libraries in 1974. 031005

DODDER
A study on *alfalfa-dodder* [**Cuscuta** epithymum] relationshipsby 14C [carbon isotope]-sucrose incorporation in their tissues. 039110
Studies on alfalfa grown after **cutting** *dodder* (Cuscuta) infection: changes in content and nature of phenolics [Weed control]. 039134

DODECYL
Effect of **sodium** *dodecyl* sulfate on the dissociation of bovine liver catalase. 034026
The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in **sodium** *dodecyl* sulfate. 034137

DODONEA
Isorhamnetin & quercetin glycosides from *Dodonea* **viscosa** & Sapindus emarginatus. 036986

DOGS
Mobilization of chondroitin sulphate by nitrilotriacetic **acid** *[Dogs].* 035441
A malignant neoplasm resembling a circumanal gland **adenocarcinoma** in a *dog.* 035309
Uptake of 99m Tc-Sn-EHDP [technetium-99m-tin-diphosphonate] in *Beagles* with **advanced** periodontal disease [Dogs]. 035308
Acute dilatation and torsion of stomach in an **Alsatian** *dog-a* case report. 035326
"Closing volume" changes in alloxan-induced pulmonary edemain **anesthetized** *dogs.* 034007
The vital capacity of the kidney after autovenoplastics of its **artery** *[Dogs].* 033775
The treatment of cubital distraction in the **Basset** *hound* [Dogs]. 035358
Removal of inhaled 239PuO2 [plutonium dioxide isotope] from **beagle** *dogs* by pulmonary lavage. 033911
Thicknesses of the deposits of plutonium and radium at bone surfaces in the **beagle** *[Dogs].* 033914
Plasma hemoglobin determination in **Beagle** *dogs.* An adaptation of the method of Crosby and Furth. 034098
Pupillometric studies in the **Beagle** *dog.* 034117
144Ce [cerium isotope] in tissues of **Beagle** *dogs* after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413
Studies of injected 237Pu(IV) [plutonium isotope] citrate in **Beagles** *[Dogs].* 033912
New technique of measurement of effective capacity changes of total vascular **bed** *[Dogs].* 034134
Dog **behaviour** as related to spinal cord temperature. 033890
Failure of attenuated canine distemper virus (Rockborn strain) to suppress lymphocyte **blastogenesis** in *dogs.* 035050
The **brown** *dog* tick (Rhipicephalus sanguineus) on an imported dog. 039491
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and **brown** *dog* tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Hiatal hernia in the *dog:* a **case** report and review of the literature. 035335
Successful management of nocardial empyema in a *dog* and **cat** [Nocardia asteroides]. 035103
Some aspects of the pharmacology of antibiotics in the **cat** and *dog.* 035128
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles *[Dogs,* **cats].** 034039
Radiological interpretation of bones *[Dogs,* **cats].** 034902
Histochemical differentiation of the microfilariae of Brugia pahangi and sub-periodic Brugia malayi **[Cats,** *dogs].* 034995
The development of Taenia pisiformis in various definitive host species *[Dogs,* **cats,** foxes, ferrets]. 035094
Examination and occurrence of rabies in the territory of Czechoslovakia in the years 1969-1973 [Foxes, *dogs,* **cats].** 035225
Gamma-aminobutyric acid receptor on vascular smooth muscle of *dog* **cerebral** arteries. 033835
Ventilatory acclimatization and csf [cerebrospinal fluid] acid-base balance in carotid **chemodenervated** *dogs* at 3550 m. 034136
Canine salmonellosis: a review and report of *dog* to **child** transmission of Salmonella enteritidis. 034975
Vulvo-vaginal **cleft** in a *dog.* 035339
Stability in lobar ventilation distribution during change in thoracic **configuration** *[Dogs].* 034022
Renal blood flow distribution during steady-state exercise and exhaustion in **conscious** *dogs.* 034021
The mortality of *puppies* **controlled** by use of an interferon inducer. 035141
Prefrontal cortex and maipulatory go left-go right differentiation to acoustic directional **cues** in *dogs.* 033710
Etiology, clinical findings, and treatment of solar **dermatitis** in the *dog.* 035355
Uptake of 99m Tc-Sn-EHDP [technetium-99m-tin-diphosphonate] in Beagles with advanced periodontal **disease** *[Dogs].* 035308
Studies of injected 237Pu(IV) [plutonium isotope] citrate in *Beagles* **[Dogs].** 033912
Neurogenic pulmonary **edema** in the *dog.* 035336
Laryngeal tumor in a *dog.* **Epithelial** neopalsia with sarcomatous aspect. 035299
Role of catecholamines in thyroxine-induced changes in metabolism and body temperature during **exercise** in *dogs.* 033896
Left ventricular dynamics during recovery from **exercise** *[Dogs].* 034017
Effect of lactate on FFA [free fatty acid] and glycerol turnover in resting and **exercising** *dogs.* 034012
Relationship between turnover rate and blood concentration of lactate in **exercising** *dogs.* 034020
Continuous hypokinesia and its effects upon tissues and vessels of extremities in **experiment** *[Dogs].* 033774
Prostaglandins in pyometrial fluid from the cow, *bitch* and **ferret.** 033836
Effects of divalent cations and of catecholamines on the late response of the superior cervical **ganglion** *[Dogs].* 034073
The choleretic action of **Genebile** in a *dog.* 034907
The role of potassium ion in muscle glycogenolysis and **glycolysis** *[Dogs].* 034156
Immunization against **gonadotropins** in *dogs.* 035071
Effects of partial prefrontal lesions in *dogs* on **go-no** go avoidance reflex differentiation and reversal learning. 033707
Osteochondromatosis in the racing **greyhound** *[dogs].* 035350
Effects of dopamine on sinus rate and ventricular contractile force of the *dog* **heart** in vitro aand in vivo. 033833
Outflow from the left and the right coronary artery into the coronary sinus in the *dog* **heart** in situ. 034135
Arteries of the heart of the **horse** and *dog.* 033745
Species differences in erythrocyte glutathione reduction rates after oxidation with t-butyl hydroperoxide [Sheep, goats, *dogs,* **horses].** 033988
The treatment of cubital distraction in the Basset **hound** *[Dogs].* 035358
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and strontium-yttrium isotope]-labeled Beagle **humeri** *[Dogs].* 033910
Spontaneous primary **hypoparathyroidism** in a *dog.* 035337
Effects of cyanide and doxapram during **hypothermia** *[Dogs].* 034128
Natural remission of nephrotic syndrome in a *dog* with **immune-complex** glomerular disease. 035343
The brown dog tick (Rhipicephalus sanguineus) on an **imported** *dog.* 039491
Is the *dog* **infected** by oxyurid nematodes? [Enterobius vermicularis]. 034983
90SR-90Y [strontium-yttrium isotope] dose distribution in Beagles: injection relative to **ingestion** *[Dogs].* 033915
Four cases of traumatic intestinal **injuries** in *dogs.* 035420
The effect of lobar obstruction on regional perfusion in the **intact** *dog.* 033852
Motion of both mitral valve leaflets: a cineroentgenographic study in **intact** *dogs.* 034018
Humoral factors controlling food **intake** in *dogs.* 033709
The effect of lesions of the dorsomedial thalamic nucleus on alimentary conditioned reflexes and food **intake** in *dogs.* 033723
Corneal epithelial inclusion cyst associated with **keratectomy** in a *dog.* 035342
Relatonship between sodium excretion and renin secretion by the perfused **kidney** *[Dogs].* 034154
Retention of symmetrical go-no go avoidance differentiation after prefrontal **lesions** in *dogs.* 033838
On the technique for investigation into the function of the *dog* **liver.** 033902
Uterus masculinus in a **male** *dog.* 035360
Erythrocyte enzyme activities and glutathione levels of the horse, cat, *dog* and **man.** 033867
Thin-layer chromatographic assays of histamine and its metabolites in urine of **man** and *dog.* 034049
The metabolism of cimetidine in the rat, *dog* and **man.** 034212
Umbilical hernia repair with mersilene **mesh** *[Dogs].* 034918
Inspection of **mink** *pups* [Nutrition]. 034504
Connection between August and November gradation grading of **mink** *pups* [Performance]. 034843
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [selenium isotopes] in the mouse, rat, **monkey** and *dog.* 033909
Re-incorporation of carbon atoms into plasma glucose in **newborn** *dogs.* 033848
The development of sympathetic innervation and the functional state of the cardiovascular system in **newborn** *dogs.* 033851
Urinary phenolic acids of **normal** *dogs* & their retention in acute experimental uraemia. 035321
Toxic effects of o,p'-DDD in the **normal** *dog.* 035421
Digestibility of ground by-products (forestomach) of slaughter cattle used in *dog* **nutrition.** 034428
Dysenteries induced by **nutrition** in *dogs.* 035354
Peripheral plasma levels of oestradiol-17beta and progesterone in the *bitch* during the **oestrous** cycle, in normal pregnancy and after dexamethasone treatment. 034687
Cystic hyperplasia-pyometra complex: focal neoplastic endometrial hyperplasia in **older** *bitches.* 035353
Oxidative deamination of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by diamine **oxidase** *[Dogs].* 033921
Effects of cyanide and doxapram during **panting** *[Dogs].* 034129
Pyometra [metritis] in the *dog;* a **pathophysiological** investigation. I. The pyometra syndrome [caused by a combination of hormonal and microbial factors]. 034917

The effects of X-radiation on Taenia **pisiformis** *[Dogs].* 035096
Effect of tetracycline on tear **production** in the *dog.* 035334
Pseudocyesis in the *bitch* **[Pseudopregnancy,** dogs]. 034825
Bilateral optic nerve hypoplasia in a **pup** *[Dogs].* 035341
Functional and fine structural relationships of parathyroid glands [Nutritional diseases, cows, *dogs,* **rabbits].** 033726
Nonlethal **rabies** of *dogs.* 035249
The incidence of Concinnum ten in **raccoon** *dogs* captured in Miyazaki prefecture. Results obtained in hunting season, from November 1974 to February 1975. 035013
The action of small radiation doses on spermatogenesis *[Dogs,* **radiation** injuries]. 034792
Bone and bone marrow spaces in dosimetry of beagle skeletons *[Dogs,* **radiation** toxicity]. 035410
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some animals *[Dogs,* **rats,** guinea pigs, hens]. 034034
A study of the mode of lymphocyte **recirculation** in the *dog.* 033744
Aortic **regurgitation** in the *dog.* 035340
Effect of prostaglandin synthesis on renal function and **renin** in the *dog.* 034110
Effect of hypoxia on immediate ventilatory load **response** in *dogs.* 034011
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, *dog* and **rheusus** monkey heart. 034069
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in *dog* **salivary** glands. 033929
Taenia hydatigena. V. Surface structure of the adult worm and evaginated **scolex** *[Dogs].* 035093
Blood values of male adult Beagle *[dog]* and **seasonal** variation. 033841
The effects of vagotomy on ventilation and blood gas composition in *dog,* **sheep** and rabbit. 034165
Pituitary dwarfism in German **Shepherd** *dogs:* studies on somatomedin activity [Hormonal deficiency diseases]. 035367
Osteochondritis dissecans of the epiphysis of the *dog* **shoulder.** 035384
DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [americum isotopes] from a simulated wound **site** *[Dogs].* 035411
Arrhythmogenic properties of thiamylal **sodium** in the *dog.* 034906
Characteristics common to choleretic increments of bile induced by theophylline, glucagon and **SQ-20009** in the *dog.* 034150
Arterial-venous magnesium gradients in hypovolemic shock: an indicaton of the irreversible **state** *[Dogs].* 034149
Effect of baroreceptor activity on ventilatory response to chemoreceptor **stimulation** *[Dogs].* 034010
Scorpion **stings** in *dogs.* 039489
Canine chemodectoma (extra-adrenal paragangliomas)—a comparative **study** *[Dogs].* 035349
The amino acid sequence of the double-headed protein proteinase inhibitor from *dog* **submandibular** glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
On secretory proceses and membrane potential of *dogs* **submaxillary** gland. 033956
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope] administration and age of animals **[Swine,** *dogs].* 034168
First trial use of the Telinject **system** in the *dog.* 034908
The efficacy of Candivac SHL against distemper, canine viral hepatitis, leptospirosis, and rabies **tested** in *dogs.* 035140
Some central mechanisms of **thirst** in the *dog.* 034076
Appearance and disappearance of multiply ciliated follicular cells during development of the *dog's* **thyroid** gland. 033732
Considerations about the dissociative anesthesia in the **tonsillectomy** of the *dog.* 034882
Central nervous structures participating in the simple recognition of **touch** *[Dogs].* 033705
Rubratoxin B [as contaminants of animal feeds, *dogs,* **toxicity].** 035416
Blastomycosis: a report of two cases, their diagnosis and **treatment** *[Dogs].* 034996
Treatment of fractures of the tibial **tuberosity** in the *dog.* 035422
Contribution concerning the study of intestinal **tumors** in *dogs.* 035298
Isolation of Brucella abortus from **two** *dogs* in contact withbovine brucellosis. 035032
Normal values of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in **unanesthetized** *dogs.* 033714
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of *dogs* after **uneven** irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
Effects of dry air and subsequent humidification on tracheal mucous **velocity** in *dogs.* 034013
Osteochondromatosis of the cervical **vertebrae** in a *dog.* 035344
Filarial infections of *dogs* in the **Zaria** area. A microfilarial survey. 034994

DOLICHOS

Genetic variability in horsegram [twin flower dolichos] (Macrotyloma uniflorum syn. *Dolichos* **biflorus).** 036604
Effect of spacing and phosphate fertiliser on forage and seed yield of Dolichos lablab var. lignosus **[Hyacinth** *dolichos].* 040883
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean **[Twinflower** *dolichos].* 032407

DOLOMITE

Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of *Dolomite* and 3 **levels** of micronutrient fertilizer in two container sizes. 041070

DOMESTIC

The future use of cytogenetics in the manipulation of *domestic* **animal** populations. 034762
Names of breeds of *domestic* **animals** [in Slovak and its local dialects]. 034553
Heredity and infectious diseases of *domestic* **animals** [Resistance breeding]. 034564
Hidden vices in the sale of *domestic* **animals** [Diseases, legislation]. 034875
Symptoms of rabies in *[domestic]* **animals.** 035215
Amoebae of the Limax group in some species of farm and *domestic* **animals.** 035223
Neonatal isoerythrolysis in *domestic* **animals:** a comparative review [Horses, cattle, swine]. 035294
Vitamin E and selenium deficiencies (VESD) of *domestic* **animals.** 035295
The effects of the ABS [alkyl benzen sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, *domestic* **animals** and plants. 041648
Comparative primate reproductive endocrinology: advancements important in *domestic* **breeding** programs. 034712
Establishment of dominance-submission relationships in *domestic* **cattle.** III. Effect of social experience. 034241
A brachial glycogen body in the spinal cord of the *domestic* **chicken.** 034068
Morphofunctional state of principal organ system, life span, and fertility in the *domestic* **cricket** Acheta domestica during normal imaginal development and after allatectomy. 039930
Landscape epidemiology (epizootiology) [Infectious **diseasesof** *domestic* and wild animals]. 034964
The occurrence of lipid in the oxyntico-pepticc cells of the proventriculus of the **fasting** *domestic* fowl [Chickens]. 033999
Changes in blood arginine vasotocin level after osmotic stimuli in *domestic* **fowl.** 033713
Mediation of glucagon in the response of the *domestic* **fowl** to stress. 033864
Effects of external and internal arthropod parasites on *domestic* **livestock** production. 039445
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. *Domestic* **prices** of jute in Bangladesh. 031564
Serological relationship of taxonomically closely **related** *domestic* ruminants: cattle, buffalo, sheep & goat. 033972
Roboran H, a new vitamin preparation for fur-bearing and **small** *domestic* animals. 034515
Neonatal behavior and nutrition-related mortality in *domestic* **swine** [Piglets]. 034005

DOMESTICATION

Domestication and **population** genetics [Farm animals]. 034705

DOMINANCE

Differential responses of buds along the shoot to factors involved in **apical** *dominance* [in Hygrophila]. 037040
A *dominant* **gene** conferring disease resistance to tobacco plants is expressed in tissue cultures [Phytophthora parasitica nicotianae, black shank]. 038759
Studies on chemically **induced** *dominant* lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ cells [Mice]. 034758
Theoretical genetics of Batesian mimicry. III. Evolution of *dominance* **[Papilio** dardanus]. 039864
Establishment of *dominance-submission* **relationships** in domestic cattle. III. Effect of social experience. 034241
Plant-induced soil chemical patterns in some *shrub-dominated* **semi-desert** ecosystems of Utah. 036222
Studies on *lichen-dominated* **systems.** XIII. Seasonal and geographical variation of new CO2 [carbon dioxide] exchange of Alectoria ochroleuca. 036856
Studies on *lichen-dominated* **systems.** XIV. The comparative ecology of Alectoria nitidula and Cladina alpestris [Photosynthesis and respiration]. 036857
Studies on *lichen-dominated* **systems.** XV. The temperature and humidity profiles in a Cladina alpestris mat. 036858
Studies on *lichen-dominated* **systems.** XVI. Comparative patterns of net CO2 [carbon dioxide] exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859

DONKEYS

Trigeminothalamic fibre connections in the *donkey* **(Equus** asinus) studied by means of the retrograde cell degeneration method. 033701

DONORS

Erythropoietin in the urine of **horses** *donors* of immune sera. 034961

DOPAMINE

Identification of salsolinol as a **major** *dopamine* metabolite in the banana. 033413
Effects of *dopamine* on **sinus** rate and ventricular contractile force of the dog heart in vitro aand in vivo. 033833

DORMANCY

Adult *dormancy* in some species of the genus Noctua (Lepidoptera, Noctuidae) in Central Europe. 039604
The role of abscisic acid in **bud** *dormancy* of di- and tetraploid varieties of grapevines. 037883
The role of phytohormones in breaking **deep** *dormancy* of Acerseeds, depending on their maturity. 037900
Gibberellin-like substances in potato tubers during their **growth** and *dormancy.* 037670
Induction of *nondormant* **mutants** in black gram [Mungo beans]. 036569
Effect of synthetic growth substances on endogenous growth regulators during **organic** *dormancy* of grape. 037665
Changes in isoperoxidases during cold treatment of *dormant* **pear** embryo. 037810
What is the possible role of gibberellin in the breaking of **potato** *dormancy?* I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
The effect of apple flesh on *dormancy* **release** and germination of seeds. 037671
Secondary *dormancy* in light-sensitive lettuce seeds incubated anaerobically or at elevated temperature. 037674
Natural cytokinins and *dormancy* of **tulip** bulbs [Tulipa alberti]. 037864
Weather conditions before maturity and *dormancy* in **wheat** in relation to prediction of sprouting. 037564

DORONICUM

Floristic notes. I. Cistus populifolius L., a new Catalan species, in the mountains of Prades and Serra del Pradell. II. *Doronicum* **plantagineum** L., a new Catalan species, in Puig Mollo (Coll d'Alforja). 035937

DORSAL

Developmental compartmentalization in the *dorsal* **mesothoracic** disc of Drosophila. 040217
The morphology of the *dorsal* and **ventral** eye of the whirligig beetle Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). 039953

DORYCNIUM

Flavonoids of *Dorycnium* **intermedium.** 036879

DORYTOMUS

A new weevil of the **genus** *Dorytomus* [kerzhneri] Germ. (Coleoptera, Curculionidae) from the USSR. 040064

DOSAGE

Effect of mineral fertilizer **application** *dosage,* dates and methods on the yield and quality of maize grain. 041121
The influence of nitrogen, phosphorus, potassium, and **copper** *doses* on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
90SR-90Y [strontium-yttrium isotope] *dose* **distribution** in Beagles: injection relative to ingestion [Dogs]. 033915
Caryokinetic activity and *dosage* of **DNA** in root tips of Allium cepa L. [Onions] treated with B-995 [Mitosis]. 036389
The effects of *low-dose* **gamma-irradiation** on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding studies using rats. 032189
The **gene** *dosage* effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains [Saccharomyces cerevisiae]. 036602
Effect of GAL4 **gene** *dosage* on the level of galactose catabolic enzymes in Saccharomyces cerevisiae [Yeasts]. 037011
Methyl bromide fumigation. I. Effect of **high** *dosages* on breadmaking quality and germination of wheat. 033206
Comparison of the biological effects in rat of **high** *doses* of two 4-amino-7-chloroquinoline derivatives chloroquine and glafenine. 035392
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by **low** *doses* of X-rays and nitrosomethylurea. 036670
Study on the effect of dry seed irradiation with gamma rays in **low** *doses* (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Vitamin C: report of trials with **massive** *doses.* 032330
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: immunity in chickens with low **multiple** *doses* of mixed oocysts. 035059
Effect of different *dosages* of **nitrogen** fertilization upon some morphological characters of RTV [rice tungro virus] infected rice varieties. 038909
Effect of *doses* of **nitrogen** fertilizers on yield and quality of apple tree seedlings. 041086

The action of small **radiation** *doses* on spermatogenesis [Dogs, radiation injuries]. 034792
Radiation *doses* from iodine-129 [isotope] in the environment. 041524
Probabilistic distribution of *dose* **rates** in bony tissue as a function of the rhythm of Sr90 (strontium isotope] administration and age of animals [Swine, dogs]. 034168
Yield and protein content of wheat varieties (Kalyansona and NI-5642) as influenced by **sublethal** *doses* of herbicides. 039169
Testing *dosage* rates of methoxychlor applied by helicopter for control of Dutch elm disease [Ceratocystis ulmi]. 038619
Effect of *doses* and **types** of irradiation on mutation frequency in Chlorella [Algae]: mutation maximum effect. 036514
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of *doses* **varying** inside the organism [Radiation injuries]. 035435
The rationale of *massive-dose* **vitamin** therapy (megavitamin therapy: hot fictions vs cold facts). 032324

DOSIMETRY
Bone and bone marrow spaces in *dosimetry* of **beagle** skeletons [Dogs, radiation toxicity]. 035410
Local *dosimetry* and qualitative changes in 226Ra- and 90Sr-90Y [radium- and strontium-yttrium isotope]-labeled Beagle humeri [Dogs]. 033910

DOUGH
Amines of the volatile components of bread baked from *dough* **prepared** by different methods. 033149
Studies of physiology for development of **sour** *dough-bacteria*. 4. The effect of different systems by the storage of sour dough on its microflora. 033237
Correlation of *dough* [of **wheat** flour] stickiness with texturometer reading and with various quality parameters. 033202

DRAECULACEPHALA
Etiology of almond [Prunus amygdalus] leaf scorch disease and transmission of the causal agent [a bacterium, *Draeculacephala* **minerva**]. 038869

DRAFTING
The extraction of sugar and non-sugars—optimization of the parameters: *draft* and **sugar** loss. 033308
Self-generated safety assurance dictated by S. 641 [the Staff **Working** *Draft* of the Consumer Food Act of 1975]. 032022

DRAGONFLIES
Life history and behavior of a **cordulilid** *dragonfly*, Cordulia aenea amurensis Selys. II. Reproductive period with special reference to territoriality. 039850
Fuel economy during flight of the *dragonfly* **pantala** flavescens (F). 039803

DRAINAGE
The numerical method "predictor-corrector" applied to the problem of *drained* **aquifer.** 041233
A remote data processing system for Lake Champlain *[Drainage* **basin].** 041293
Relation of erosion to sediment yield *[Drainage* **basin].** 041379
Sediment storage in **channels** *draining* small forested watersheds in the mountains of central Idaho. 035500
Recommendations on preventing ocher formation in **closed** *drainage* [systems]. 041264
The experience of constructing trenchless **closed** *drainage* in the Golodnaya Step'. 041270
Effect of *drainage* **conditions** on nitrogen supply and yield of young loamy soils in the Ysselmeer polders [Barley]. 041437
International Commission on Irrigation and Drainage and its role in the development of irrigation, *drainage* and **control** of high waters in the world. 041261
Drainage **economics** [Maize, beets, grass]. 041465
Solute travel-time estimates for *tile-drained* **fields.** I. Theory. 040774
Solute travel-time estimates for *tile-drained* **fields.** II. Application to experimental studies. 040775
The automatically controlled system for designing **horizontal** *drainage* [of peat bogs and boggy soils]. 041266
The study of some factors **influencing** *drainage*. 041223
Changes in the soil cover under the effect of reclamation [by **irrigation** and *drainage]*. 041254
[Land] reclamation [by *drainage* and **irrigation**] and the international cooperation. 041279
Hydrological and ecological results of **land** *drainage*. 041257
Pinus sylvestris stands in *drained* **lands.** 035581
Separate method of clearing shrubs from *drained* **lands** of the Ukrainian Polesye. 041209
Lime and peat-mineral-ammonia fertilizers on *drained* **[pasture]** lands. 041005
Land reclamation [by irrigation and *drainage]* and the **problem** of stability of the farm production. 041263
The effect of *drainage* on the **river** flow and evaporation. 041268
Channel improvements of the Missouri **River** *[Drainage]*. 041368
International Commission on Irrigation and *Drainage* and its **role** in the development of irrigation, drainage and control of high waters in the world. 041261
Critical comments on the execution and valuation of **sub-surface** *drainage* tests. 041447
Entrenchment of *drainage* **systems** in western Iowa and northwestern Missouri. 041372
Detection of triazine herbicides and their degradation products in *tile-drain* **water** from fields under intensive corn (maize) production. 039558
The utilization of a system analysis in reclamation [by irrigation and *drainage]* and **water** management. 041278
Effect of mineral fertilizers on surface and *drainage* **water** [Pollution]. 041673
The reserves of reducing the production cost of reclamation work in the Nonchernozem **zone** *[Drainage]*. 041276

DRAKES *see* **DUCKS**

DRECHSLERA
Morphology and taxonomy of Helminthosporium **catenarium** *(Drechslera* cateneria). 038033
Seed-borne fungi of rice (Oryza sativa) in Nigeria *[Drechslera* **oryzae,** Pyricularia oryzae, Trichoconis padwickii]. 038795
Polyembryony in Kentucky bluegrass [Poa pratensis] as a source of variation in disease reaction *[Drechslera* **triseptata,** Erysiphe graminis]. 036302

DREDGING
Dredging **extends** northern agricultural area of Rio de Janeiro State [Sugarcane yields]. 041361

DREPANOTERMES
A multivariate study of mandibular characters in fifth instar workers and nymphs of *Drepanotermes* **perniger** (Froggatt) (Isoptera: Termitinae). 039813

DRESSING
The effect of regular **annual** *dressing* on phosphates in strongly leached Chernozem. I. Changes in the supply and forms of active inorganic phosphates. 041035
Investment preparation problems of industrial cabbage storage and *dressing* **centers.** 031455
Investigations into the effect of large **fertilizer** *dressings* on Chernozem soil in a model experiment. 040854
Top *dressing* of **maize** with urea from airplane. 041007
Investigations on accumulative phosphorus and **potassium** *dressing* in a six-course field crop rotation. 041031

DRIFTING
Downstream *drift* of invertebrates in a river in southern Ghana [Aquatic insects]. 039745
Investigations on genetic constancy or **subline** *drifting* of inbred strains of rats and mice. 034872
Problems relating to the measurement of near **surface** *drift* currents and a possible solution—the Tethered Drogue current meter [Water quality]. 041317

DRILLING
Effect of plant density and row width on yield and quality of sugar **beet** *drilled* to stand. II. Plant spacing by drilling to a stand. 038219
Various seed spacings in **beets** *drilled* to a stand. 037593
A new generation of *drilling* **machines.** 040505
Effect of plant density and row width on yield and quality of sugar beet drilled to stand. II. Plant spacing by *drilling* to a **stand.** 038219
New ways of **stripe** *drilling* [Sugarbeet culture]. 038002
Effect of plant density and row width on yield and quality of **sugarbeet** *drilled* to a stand. I. Stimulated plant spacing. 038218
Use of the machine SPC-6 in *drilling* **sugarbeets.** 040526

DRINKING
A contribution to determining the forces used by *drinking* **calves** to the front wall of the single box and during the shift. 040313
The technical level of **Hungarian** *soft-drink* factories and the quality of their products in 1974. 032788
Drinking **milk** [Grading, distribution, Brazil]. 032130
The **milk** we *drink*. 032963
Comparison of microbiological methods for the quality evaluation of **soft** *drinks*. 031986
Flavourings for **soft** *drinks*. 032804
Self-cleaning of *drinking* **vessels** by feed chains rotating horizontally. 040328
The survival of Mycoplasma pumonis in *drinking* **water** and inother materials. 032158
Research on the poisoning of chickens by mercury administered with *drinking* **water.** I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. 035402
Nutritional physiological importance of *drinks* on **whey** basis for osmolarity. 032389

DRIVERS
Untimely presence of wear and tear on **tractor** *driver* seats. 040538

DRIVING
The influence of *driving* **methods** on the stresses to which tractor parts are subjected. 040438
Sexual *drive* of normal and SR flies of Drosophila nebulosa. 039734
Beef—from **trail** *drives* to America's main course [Cattle, breeding]. 034870

DROGUE
Problems relating to the measurement of near surface drift currents and a possible solution—the **Tethered** *Drogue* current meter [Water quality]. 041317

DRONES *see* **BEES**

DROSOPHILA
Effect of heat shock on the synthesis of low molecular weight RNAs in *Drosophila:* **accumulation** of a novel form of 5S RNA. 039671
The mitotic, polytene, and meiotic chromosomes of *Drosophila* **ananassae.** 039854
Semispecies of *Drosophila* **athabasca** distinguishable by malecourtship sounds. 039733
A new tyrosine derivative in *Drosophila* **buskii.** 039907
The frequency of telomeric associations of salivary gland chromosomes in interspecific hybrids as an autonomous **character** *[Drosophila].* 039767
Developmental compartmentalization in the dorsal mesothoracic **disc** of *Drosophila*. 040217
Genetic analysis of maternal effect on the "puffed" mutant character in **female** *Drosophila* virilis Sturt. X male Drosophila littoralis Sokolov hybrids. 039760
Brain research on the navigation system of **flies** *[Drosophila].* 039889
Investigation of synchronous and parallel changes in the gene pools in natural populations of the fruit **fly** *Drosophila* melanogaster. 039920
Ecological specialization of **Hawaiian** *drosophila*. II. The community matrix, ecological complementation, and phyletic species packing. 039891
Effect of temperature on the expression of homoeotic mutations in *Drosophila*. I. **Homoeotic** transformation in proboscipedia mutants. 039759
Visualization of gene transcription in spermatocytes of *Drosophila* **hydei.** 039679
Variations in the number of the Y chromosomal rRNA genes in *Drosophila* **Hydei.** 039755
Study of spontaneous oogonial crossing-over in **interspecific** *Drosophila* hybrids. 039766
Genetic analysis of maternal effect on the "puffed" mutant character in female Drosophila virilis Sturt. X **male** *Drosophila* littoralis Sokolov hybrids. 039760
Investigations on the insecticide resistance of *Drosophila* **melanogaster** M. within the Kaiserstuhl area 1957-1973. 039371
Genetic studies on walking behavior in *Drosophila* **melanogaster.** I. Selection and hybridization analysis. 039655
Fate mapping of nervous systems and other internal tissues in genetic mosaics of *Drosophila* **melanogaster.** 039689
Correlation of differential staining of chromosome locus and its genetic activity *[Drosophila* **melanogaster].** 039692
Electrophoretic analysis of proteins of salivary glands and fat body in the development of *Drosophila* **melanogaster.** 039693
Hormonal induction of acid phosphatase activity in salivary glands of larvae of *Drosophila* **melanogaster** during metamorphosis. 039694
High frequency of one element of segregation distorter in natural populations of *Drosophila* **melanogaster.** 039731
The autonomous function of germ plasm in a somatic region of the *Drosophila* **[melanogaster]** egg. 039735
Ethanol as a 'food' for *Drosophila* **melanogaster:** influence of the ebony gene. 039738
Cold-sensitive mutants of *Drosophila* **melanogaster** defectivein ribosome assembly. 039747
Evolution of experimental "mutator" populations of *Drosophila* **melanogaster.** 039748
Genetic analysis of the proximal region of chromosome 2 of *Drosophila* **melanogaster.** I. Detachment products of compound autosomes. 039749
Isolation and characterization of sex-linked female-sterile mutants in *Drosophila* **melanogaster.** 039750
The genetic variability of third chromosomes in a local population of *Drosophila* **melanogaster.** 039753
The synthesis of 5S RNA and its relationship to 18S and 28S ribosomal RNA in the bobbed mutants of *Drosophila* **melanogaster.** 039754
Comparative study of asynapsis of larvae salivary gland polytene chromosomes of *Drosophila* **melanogaster,** Drosophila simulans and their hybrids. 039757
Genetic effects of *Drosophila* **[melanogaster]** exerted by factors of the cosmic flight in the space-ship "Cosmos 573". 039761
High frequency of spontaneous mutations, affecting viability in the chromosome II in LA strain of *Drosophila* **melanogaster.** 039762
Interaction of homoeotic mutations antennapedia and aristapdia in *Drosophila* **melanogaster.** 039763
On the natural resistance of *Drosophila* **melanogaster** cells to 6-mercaptopurine and 8-azaguanine. 039764
Scutellar bristles pattern in *Drosophila* **melanogaster.** 039765
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications *[Drosophila* **melanogaster,** Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795
Spontaneous male recombination and mutation in isogenic-derived chromosomes of *Drosophila* **melanogaster.** 039853
Ribosomal DNA transcription products during the first steps of magnification in *Drosophila* **melanogaster.** 039859

The effect of vinblastine on spermiogenesis in *Drosophila* **melanogaster:** evidence for two functional classes of cytoplasmic microtubules. 039865
Methods with insect cells in suspension culture. II. *Drosophila* **melanogaster.** 039873
Chemical induction of chromosome aberrations in somatic cells of *Drosophila* **melanogaster.** 039878
Lack of an effect of caffeine on repair systems in oocytes of *Drosophila* **melanogaster** following treatment of mature sperm with alkylating agents. 039879
Low mutagenic activity of four hycanthone analogues in *Drosophila* **melanogaster.** 039880
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in *Drosophila* **melanogaster.** Specific induction of recessive lethals in the absence of detectable chromosome breakage. 039881
On nature of y chromosome fragments induced in *Drosophila* **melanogaster** females. III. C (1) RA vs C (1) RM females. 039882
Temperature-sensitive prune (pn) mutations of *Drosophila* **melanogaster.** 039884
Aging and its relation to cell growth and differentiation in *Drosophila* **[melanogaster]** imaginal discs: developmental response to growth restricting conditions. 039900
Chromosome puff activity and protein synthesis in larval salivary glands of *Drosophila* **melanogaster.** 039902
Temperature-dependence of repair of sublethal radiation damage in *Drosophila* **[melanogaster].** 039905
Isozymes patterns and enzyme activity of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the wild type of *Drosophila* **melanogaster.** 039910
Influence of boron on the development of puffs in the polytene chromosomes of the saliva glands of *Drosophila* **melanogaster** at the stage of the early prepupa. 039917
Influence of sodium arsenate on the polytene chromosomes of the salivary glands of *Drosophila* **melanogaster** at the stageof the early prepupa. 039918
Mechanisms of the stabilization of the allelic composition of the esterase locus of *Drosophila* **melanogaster.** I. Relative viability of the genotypes. 039921
Mechanisms of the stabilization of the allelic composition of the esterase locus of *Drosophila* **melanogaster.** II. Dynamics of the gene and genotypic frequencies. 039922
Morphogenetic mosaicism with respect to the homoeotic mutation "aristapedia" in *Drosophila* **melanogaster.** 039923
Puff size variability in *Drosophila* **melanogaster.** 039924
Influence of a prolonged thermal influence on the activity of the polytene chromosomes of the salivary glands of *Drosophila* **melanogaster.** 039927
Influence of alpha- and beta-ecdysone on the differentiation of the imaginal disks of *Drosophila* **melanogaster,** culturedin vitro. 039928
Interaction of the homeotic aristapedia and polycomb mutations in the ontogenesis of *Drosophila* **melanogaster.** 039929
The compound eye in the opaque-eye phenotype of *Drosophila* **melanogaster.** 039938
Pathways of pyrimidine salvage in *Drosophila* **melanogaster.** 039943
Sexual drive of normal and SR flies of *Drosophila* **nebulosa.** 039734
Isolation and experimental manipulation of polytene **nuclei** in *Drosophila.* 039942
Allozymic and chromosomal similarity in two Drosophila [setosimentum, *Drosophila* **ochrobasis]** species. 039901
Processing of tRNA precursors in higher **organisms** [Includes *Drosophila].* 039798
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, *Drosophila* **phalerata,** Schizotetranychus schizopus, Acronycta rumicis]. 039726
Nucleic acid hybridization to the DNA of cytological **preparations** [Includes *Drosophila].* 039875
Photobehavioral differentiation within and between the sexes of *Drosophila* **pseudoobscura.** 039664
Selection for mating activity in two chromosomal arrangements of *Drosophila* **pseudoobscura.** 039732
Polymorphism for dimerizing ability at the esterase-5 locus in *Drosophila* **pseudoobscura.** 039751
Hard and soft selection **revisited** *[Drosophila].* 039730
Comparative study of asynapsis of larvae salivary gland polytene chromosomes of Drosophila melanogaster, *Drosophila* **simulans** and their hybrids. 039757
Distribution and population constitution of *Drosophila* in **South** East Asia and Oceania. II. Drosophilidae in the suburbs of Kuala Lumpur, west Malaysia [New taxa]. 040104
Association of telomeric regions of salivary gland chromosomes in "virilis" **species** of *Drosophila.* 039756
Rearing of Pachychrepoideus vindemiae (Rond.) (Hymenoptera, Pteromaidae) on pupae of *Drosophila* **species.** 039906
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of *Drosophila* with **transcription** in living cells. 039926
Allozymic and chromosomal similarity in **two** *Drosophila* [setosimentum, Drosophila ochrobasis] species. 039901
Radiation-induced numerical aberrations in wild **type** *Drosophila* females. 039883
The influence of calf thymus DNA and deoxyribonucleosides on the induction of different mutation **types** in *Drosophila.* 039744
Effect of temperature and density of the larval population on the mutation penetrance in *Drosophila* **virilis.** 039758
Organisation and evolution of *Drosophila* **virilis** heterochromatin. 039887
Picornaviruses of laboratory and **wild** *Drosophila* melanogaster: Geographical distribution and serotypic composition. 039615
Population differentiation under the charge state model *[Drosophila* **willistoni].** 039752

DROSOPHILIDAE

Distribution and population constitution of Drosophila in South East Asia and Oceania. II. *Drosophilidae* in the **suburbs** of Kuala Lumpur, west Malaysia [New taxa]. 040104

DROUGHTS

Physiological ways of plant **adapatation** against *drought.* 036733
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to wilt **[caused** by *drought].* 037426
Crop damage **caused** by *drought.* 039022
Drought **damage** on Mount Towrong, Victoria [Vegetation, ecology]. 036245
Grass—the food factory that also **fights** *drought.* 038184
Plant desiccation [of the *drought-tolerant* **mass** Tortula ruralis]: polysome loss not due to ribonuclease. 037260
Effect of *drought* on **post-photosynthetic** conversions of C14[carbon isotope] in [broad] bean leaves. 037579
Drought **resistance** of sugarcane varieties (Saccharum spp.). 037379
Drought in the **Sahara:** insufficient biogeophysical feedback? 036247
Nitrogen metabolism of Raya (Brassica juncea Coss.) during germination under **simulated** *drought.* 037340
Oklahoma searches for *drought-resistant* **[soybeans]** seed. 038157
Quabbin reservoir: a study of *drought* and **water** demand. 041347
Metabolism of protein and nucleic acids during adaptation to various types of *drought* **[Wheat].** 037429

DRUGS

FDA [Food and *Drug* **Administration]** reports on heavy metals in foods, need for reductions in certain areas. 032019
FDA's [Food and *Drug* **Administration]** plan for quality assurance in the food industry. 032020
The use and abuse of **antibacterial** *drugs* in pig feed. 034460
The enviromental impact of **antibacterial** *drugs* in food animals. 035185
Transformation and excretion of *drugs* in **biological** systems. XI. Renal excretion mechanisms of sulfonamides in rabbits. 033862
Studies in the field of *drugs* **containing** anthracene derivatives. XXVI. Method for the determination of anthrones in plant materials. 037198
Safety of light-activited chemical substances in foods, *drugs,* and **cosmetics.** 031993
Studies on the Chinese **crude** *drug* "shoma". III. Triterpene glycosides from Cimicifuga japonica and structure of 25-anhydrocimigenol arabinoside. 037074
Hepatic *drug* metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Drug **metabolism** and hepatic heme proteins in the vitamin Edeficient rat. 032179
The effect of a vitamin E deficiency on *drug* **metabolism.** 032316
Effect of dietary dieldrin on the liver and *drug* **metabolism** in the female Swiss-Vancouver mouse. 039533
Comments on dietary intake of *drug-dependent* **persons.** 032345
State and characteristics of mechanization in *drug* **plant** culture. 040475
The "Book of Simples" by Giuseppe da Spello *[Drug* **plants,** history]. 035908
Lords-and-ladies [Arum maculatum, *drug* **plants].** 038550
The greater celandine [Chelidonium majus, *drug* **plants].** 038551
Influence of restrictive use of antibiotics on the development of *drug* **resistance** in intestinal Escherichia coli from pigs [Diarrhea]. 035171
Nutrient requirements as affected by *drug* **therapy.** 032300
A method for the in vitro study of *drug* **transfer** across ruminal epithelium. 034083
Transferred *drug-resistance* in Eimeria maxima [cause of chicken coccidiosis]. 035183

DRYING

Nitrogen and *dry-matter* **accumulation** in high lysine and normal varieties of barley. 037470
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and *drying* **air** velocity on some properties of dry sausage. 033090
Economy and saving of concentrates with hot **air** *drying* of green feeds. 033586
Effects of *dry* **air** and subsequent humidification on tracheal mucous velocity in dogs. 034013
Protein and amino acid compositions of *dry-milled* and **air-classified** fractions of triticale grain. 033209
Dry **barking** of birch pulpwood by drum bark stripping machines. 035767
Freeze-drying **basic** products of animal origin under atmospheric pressure. 033049
Kinetics of **batch** *drying* of deep-bed rough rice using dimensional analysis. 033205
Dry **binding** of grapevines of table grape varieties. 038467
Effect of surface applied sulfuric acid on water penetration into *dry* **calcareous** and sodic soils. 041040
Digestibility for swine of fresh, ensiled and *dried* **chopped** maize cobs. 034525
Leaf conductance and leaf water status of sesame strains in hot, *dry* **climates.** 037392
Resistance of different life forms of **Collembola** against *dryness.* 039974
Simplified equipment for desolventizing, toasting, *drying* and **cooling** in one apparatus for processing of soybeans. 033297
Process of *drying* up and **differentiation** of peat bog meadows in the Notec river valley [Soils, reclamation]. 038217
Economic profitability of crop enterprises in a *dry* **farming** area of Madhya Pradesh. 031449
Commercial **feed** *drying* systems for processing & utilizing waste as feed. 033537
Improved characteristics for *dry,* **fermented** turkey sausage. 033127
Dry **filtering** systems for bacteriologically sound powder recovery [Air pollution from manufacture of dried milk]. 041623
Combustion of bark for **flash** *drying* plants. 035842
Drying **flowers.** 033437
Occurrence of copper poisoning in sheep **following** *dry* feeding. 035428
A study on water vapour trapping during *freeze-drying* **[Food].** 032735
Effects of *drying* on **forage** quality of alfalfa and reed canarygrass [Phalaris arundinacea] fed to lambs. 034411
Advances in the theory of ice sublimation **[Freeze** *drying].* 032737
Freeze *drying* of fishery products. V. Storage characteristics of ready-to-serve freeze dried foods. 032796
Stability of **freeze** *dried* vaccines against Marek's disease. 034991
The oviposition and development of the grain beetle Oryzaephilus mercator faur. on *dry* **fruit** meals (Coleoptera, Cuciyidae]. 039422
On the benzpyrene content in *dried* **fruits** treated in a Soviet-made tunnel drying oven. 033483
Evaluation of costs for *drying* **grain** in batch or cross-flow systems. 033300
Effect of yield and nitrogen fertilization on **grass** *drying* in the open. 033587
Effect of *dried* **grass** and whole grain in the diet of early-weaned lambs on performance and carcass fat quality. 034296
Investigations on the progress of *drying* of **grasses** and varieties of clover under limited time and temperature conditions. 033588
The influence of the degree of polymerisation of water soluble carbohydrates on their loss during **hay** *drying* in the field. 033589
Changes in chemical composition of wood relative to **high-temperature** *drying.* 035804
Industrial *freeze-drying* [of food]. 032839
Heritability estimates of percentage seed protein and available methionine and correlations with yield in *dry* **[kidney]** beans. 036430
A new production technology for *dry* **lands.** 031282
Drying **lumber** in the home freezer. 035780
Beet pulp and *dried* **manure** as a nitrogen source (protein) substitute for fattening bulls. 034327
The mechanism of the passage of rarified gases in **materials** during *freeze-drying.* 032758
Process of *dry* **matter** accumulation into the kernel and grain characteristics of Japonica and Indica rice [Varieties]. 033288
Investigations into methods for evaluating roughage quality. 1. The rapid determination of the *dry* **matter** content in roughage. 034337
Variation in the *carbon/dry* **matter** ratio in plant material. 036764
Vertical distribution of *dry* **matter** in some grassland plants and stands. 037608
Pattern of *dry* **matter** accumulation and distribution in finger millet genotypes in relation to levels of spacing and nitrogen. 038084
Drying of **meat** frozen under vacuum in a liquid cooling medium. 033048
Influence of *drying* **methods** on the free amino acids and amides of mushrooms. 033341
Dry filtering systems for bacteriologically sound powder recovery [Air pollution from manufacture of *dried* **milk].** 041623
Studies on the survival of thermophilic bacteria during manufacture and storage in *dried* **milks.** 032056
Comparative wet-digestion and *dry-ashing* of **orange** and Schefflera [actinophylla] leaves for nutrient determinations. 037730
The mutagenic influence of *drying* on **pea** seeds. 036693
Effects of a diet containing 40 **percent** *dried* whey on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester white pigs. 034409
Drying time calculation for ice granulates in a **plate** *freeze-dryer.* 032740
The nutritive value of *dried* **potato** and maize pulps for swine. 034527
Thermophysical properties of frozen lemon juice related to *freeze-drying* **problems.** 033354
Drying and **processing** rice grain in the Maritime territory. 033309
On reducing the density of fiberboard by the *dry* **production** method. 035812
Dimensional changes in peanut pods, kernels, and hulls as moisture is **removed** during *drying.* 033165
Selective medium for the isolation of Serpula lacrimans [Fungi, cause of *dry* **rot** in construction wood]. 035888
Dry **rot** [Phytophthora infestans] of potatoes is very serious. 038627
A study on the effect of salting method on different properties of Kaskaval cheese. 1. The *dry* **salting** method. 032929

Dry **sausage** and raw meat products. II. Raw meat products. Smoking and storage of raw cured meat. 033057
Dry **sausage** and raw meat products. II. Raw meat products. 033058
Physical guide values in meat technology. III. 7. *Dry* **sausage.** 8. Raw cured meat products. 033061
Possible ways of controlling the manufacture of *dry* **sausage.** 033064
Technological control of *dry* **sausage** ripening. V. Quality of dry sausages as a function of molecular weight of added carbohydrates. 033068
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and drying air velocity on some properties of *dry* **sausage.** 033090
Technological control of dry sausage ripening. V. Quality of *dry* **sausages** as a function of molecular weight of added carbohydrates. 033068
Changes in the whey protein fraction in mastitis milk, colostrum and *drying* off **secretions.** 032053
Study on the effect of *dry* **seed** irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Sludge *drying* and incineration. 041644
Production of **stabilised** *semi-dry* bacterial cultures (IM cultures) for the food industry. 032883
Changes in the physical properties of soil clays due to precipitated aluminum and iron hydroxides. I. Swelling and aggregate **stability** after *drying.* 040758
Calculating optimum parameters for wind erosion control of forest shelterbelts in the *dry* **steppe** area. 035485
On the cause of [lettuce] seed deterioration in *dry* **storage** [Germination]. 037845
Drying **studies** of rattan. 032818
Effect of level of supplemental energy fed grazing steers on performance during the pasture and **subsequent** *drylot* period. 034406
Nutritive value of *dried* **sugarbeet** pulp (Beta saccharifer) [Buffalo bulls]. 034391
Controlled **sun** *drying* of freshly harvested paddy for improved milling quality. 033265
Drying **time** calculation for ice granulates in a plate freeze-dryer. 032740
On the benzpyrene content in dried fruits treated in a Soviet-made **tunnel** *drying* oven. 033483
Instrumentation techniques for evaluation of a batch **type** *drier.* 040513
Chemical composition and in **vitro** *dry* matter digestibility of some important grasses. 034279
Drying of **water-** and sprinkler-stored beech [Fagus]. 035732
Transformation factor from carbon dioxide net assimilation to *dry* **weight** in crops. II. Peanut. 037546
Transformation factor from carbon dioxide net assimilation to *dry* **weight** in crops. III. Rice. 037547
High temperature equipment for *drying* **wilted** grasses. 033557

DRYLANDS

Fertilizers pay well even under *dryland* **conditions** [India]. 040945
Moisture use efficiency of *dryland* **crops** as influenced by fertiliser use. II. Rabi cereals. 040884
Engineering aspects of *dryland* **farming.** 040333
Enhance brown sarson [bird rape] **yields** in *drylands.* 038028

DRYOPTERIS

Gametophyte sex expression in some species of *Dryopteris* **[Pteridophyta].** 036386

DUCKS

The embryonic sex hormones in birds **[Chicks,** *ducks].* 033757
Influence of selection, age, sex and feeding on meat retention and fat **content** of *ducks.* 033670
Experimental studies on the annual cycles of thyroid and adrenocortical functions in relation to the reproductive **cycle** of *drakes.* 034081
Irradiation studies of *mallard* **duck eggs** material containing the insecticide] mirex [Degradation]. 039561
The breeding of *ducks* for **egg** production. 034648
Loss of *ducklings* **following** intake of maple [Acer] seedlings [Intoxication]. 035427
Induction of the catalytic protein of (Na+ +K+) [sodium and potassium ions]-ATPase in the salt **gland** of the *duck.* 033800
Irradiation studies of **mallard** *duck* eggs material containing the insecticide] mirex [Degradation]. 039561
The head caruncles of the **Muscovy** *duck* (Cairina moschata domestics L.). Development of the surface in males and females of some types. 033742
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum **[Pekin** *ducklings].* 035217
Contributions to the growth of the digestive system in the **Pekinese** *duck.* 033728
The effects of nickel on the growth and on the liver **proteins** of *ducks.* 034228
Characterization of atypical Actinobacillus lignieresii isolated from *ducks* with **salpingitis** and peritonitis. 035169
Abnormal shapes of *drake* **spermatozoa** nucleus. 034851

DUCTS

Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the **ejaculatory** *duct* and the cirrus [Liver fluke, cattle, sheep]. 035179
Cation and anion permeability of rabbit submaxillary **main** *duct.* 033932
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by perfused **main** *duct* of rat submaxillary gland. 033935
The kinetics of Na [sodium] transport in the isolated perfused rat submaxillary **main** *duct.* 033945
Analysis of the structural forms of alpha-amylase present in chicken (Gallus domesticus) **pancreatic** *duct* juice and intestinal lumen. 033866
Mechanisms of action of neutrotransmitters and their analogues on **salivary** *duct* electrolyte transport. 033940
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ [potassium] across rat **submaxillary** *duct* epithelium. 033938

DULCAMARA

Study on the effects of ecological factors on **Solanum** *dulcamara* [Alkaloid production]. 036724

DUMPING

Usefulness of [poplar] cuttings in the biological management of coal mine *dumps* **[Afforestation].** 035691

DUNALIELLA

Effect of far and near ultraviolet radiation on DNA content in *Dunaliella* **salina** Tood [Algae]. 037322

DUNES

Comparative studies of plant growth and distribution in relation to waterlogging. IX. The uptake of potassium by *dune* and **dune** slack plants. 037035
The obligate macromycetes of **sand** *dunes* in Norway, with special regard to the occurrences on Lista, Vest-Agder county [Fungi]. 035969
[Plant] colonization of the Discovery Bay **sand** *dunes.* 036210
A survey of tracks and paths in a **sand** *dune* ecosystem. II. Vegetation. 036216
A survey of tracks and paths in a **sand** *dune* ecosystem. I. Soils. 040667
Effect of the initial soil moisture content and various concentrations of Curasol AE and Tylose 666 on the formation and stability of *dune* **sand** aggregates. 041171
Comparative studies of plant growth and distribution in relation to waterlogging. IX. The uptake of potassium by dune and *dune* **slack** plants. 037035

DUNG

Some possible effects of *dung* **beetle** activity on the infestation of pastures by intestinal worm larvae of cattle. 039469
Dung as an insect food source: *dung* **beetles** as competitors of other coprophagous fauna and as targets for predators. 039819
Preamble for symposium on effects of *dung* **beetles.** 039822
Dung as an **insect** food source: dung beetles as competitors of other coprophagous fauna and as targets for predators. 039819
The agronomic role of **introduced** *dung* beetles in grazing systems. 039823

DURABILITY

Methods of evaluation of *durability* of **soil-applied** herbicides by a biological test. 039155

DUROC *see* PIGS

DURUM *see* WHEAT

DUST

Dust **control** in industrialised swine units, its relevance to animal performance and health. 034914
Preventive measures against *dust* **explosions** in the sugar industry. 033313
Effect of the **furnace** *dust* of cement works on some physical and technological properties of the soil. III. 040752
Population structure and dynamics of the **house** *dust* mite Dermatophagoides farinae (Acarina: Pyroglyphidae) in Czechoslovakia. 039455
Dehydration and survival of the European **house** *dust* mite, Dermatophagoides pteronyssinus. 039855

DWARFISM

The influence of Sclerotium rolfsii, mulches and season on *dwarf* **bean** (Phaseolus vulgaris) yields in Western Samoa. 038562
Dwarf **Brassaia** [arboricola] stock block [Costs, returns]. 031467
A possible phytotoxic effect of copper on *dwarf* **coconut** palms [during control of Phytophthora]. 039061
Early results of a comparison between a nitrogen-rich and a potassium-rich fertilizer in *dwarf* **coconut** palms. 041101
Key to 100 *dwarf* **conifers.** 035989
Hybrid *dwarfness* of wheat Dika Triticum persicum Vav. 036519
D.Y. 2—a new **improved** *dwarf* sunflower variety. 038019
Dwarf **mistletoe** [Arceuthobium pusillum]-infected [Pinus] ponderosa pines survive top-pruning. 039141
Transmission by green leafhopper, Nephotettix cincticeps Uhler of a **new** *dwarf* [virus] disease in rice plants. 038887
Pituitary *dwarfism* in German Shepherd dogs: studies on somatomedin activity [Hormonal deficiency diseases]. 035367
Vladimir, a **promising** *dwarfing* rootstock for sweet cherry. 038367
The effect of phytohormones and inhibitors on the growth of pea and **wheat** *dwarfs* during presowing treatment of seeds. 037399
Consumptive use and water requirement of *dwarf* **wheat** in light textured soils of Rajasthan. 041231

DYES

Electron-microscopic examination of maize sterile mutants induced by **acridine** *dyes.* 036703
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris [kidney beans] phloem by the use of the **azo** *dye* method. 036362
The effects of *dyes* on the **flame** retardancy of cotton fabric. 031960
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris [kidney bean] xylem by the use of an *azo-dye* **method.** 037774
New **mineral** *dyes* for cotton fabrics. 033177
Simultaneous and differential staining of spermatozoids and especially of the acrosome by the **reacting** *dyes* procion printing green B and procion brilliant red M8BS. 034609
Gel-chromatographic method of selective extraction of **synthetic** *dyes* from food products. 032151

DYING *see* DEATH

DYSENTERY

Research in **pig** *dysentery* attributed to the pathogene organism Treponema hyodysenteriae. 035193
Nutrient media and the isolation of microflora in cases of **swine** *dysentery.* 035226
Chemotherapy of **swine** *dysentery.* 035231
Swine *dysentery* [and its control]. 035253
Some physico-chemical properties of *dysentery* **therapeutic**—prophylactic Newcastle phages H-17 and H-18. 035283

DYSTOCIA

Foetal *dystocia* in a buffalo. 035327

DYSTROPHY

Toxic and *dystrophic* **manifestations** in rats on a diet with high salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
Significance of genetic factors in the study of etiological factors of nutritional **muscular** *dystrophy.* 035386
On the prevention of **nutritional** *dystrophy* in heifers in the Presov District. 035383

EARHEADS

Comparative studies on the physiology of leaf, neck and *earhead* **isolates** of Helminthosporium sativum Pam., King and Bakke parasitic on wheat crop in Karnataka. 038748

EARNINGS *see* WAGES

EARS

The *ear* **[Cats,** diseases]. 034894
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological **characters** of an *ear.* 036501
Stand, early growth and plant and *ear* **height** of endosperm mutants and normal maize hybrids under field conditions. 036715
Data on the flowering biology of male sterile wheat. II. The duration of fowering in the *ear* and in the **individual** florets, and the length of the closed period between. 037491
Evolution of the mammalian **middle** *ear.* 034070
Levels of water-soluble carbohydrate in the **pre-anthesis** *ear* of wheat, and grain set per spikelet. 037485

EARTH

The construction of profile embankments [for rice irrigation] from overmoistened **cohesive** *earth* in the conditions of the Maritime territory. 041267
On the causes of various frost resistances of grapes under *earth* **coverings.** 037843
Seismic stability of *earth* **dams** and embankments. 040358
On the nutrient ratio of fertilizers and *earths* for **ornamental** plants. 040937
Remote sensing of Iowa's agricultural resources by using the ERTS *[Earth* **Resources** Technology Satellite]-1 satellite. 031088
Investigations of [Delaware] coastal land use and vegetation with ERTS *[Earth* **Resources** Technology Satellite]-1 and Skylab-EREP. 031211
Statewide land cover mapping using ERTS *[Earth* **Resources** Technology Satellite] imagery [Wisconsin]. 031215
Mapping vegetation in the Great Basin from ERTS *[Earth* **Resources** Technology Satellite]-1 imagery [Nevada]. 036242
Interpretation of ERTS-1 *[Earth* **Resources** Technology Satellite] images of selected sample areas in Alberta [Water resources]. 041307

Lineament analysis using ERTS-1 *[Earth* **Resources** Technology Satellite] images of Alberta [Hydrogeological mapping]. 041309
Hydrologic land use classifications of the Patuxent River watershed using ERTS *[Earth* **Resources** Technology Satellite]-1 digital data. 041365

EATING

The effect of teacher behaviors and food serving arrangements on young **children's** *eating* in a day care center. 032203
TV advertising and its effects on **children's** *eating* habits. 032591
Agriculture also depends on producing more for all to *eat* better. 031776
Finding out what **else** you *eat.* 032223
If you **enjoy** *eating,* thank the machines! [Harvesting equipment]. 040544
Behavioral therapy relating to obesity *[Eating* **habits].** 032467
Kids *eat* and learn during school recess. 032691
A soil scientist's view of *eating* **meat** [Fertilizers]. 041013
The *leaf-eating* **microlepidoptera** of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. 040075
Are we what we *eat?* **Nutrition** and health. 032507
Eating **quality** and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 032250
A guide to good *eating* the **vegetarian** way. 032617

EBONY

Ethanol as a 'food' for Drosophila melanogaster: influence of the *ebony* **gene.** 039738

ECCRINE

Current knowledge on the energy metabolism and the secretory mechanism of the *eccrine* **sweat** glands. 033933

ECDYSONE

Ecdysterone from **Ajuga** chia. 036876
Radioimmunoassay of arthropod moulting hormone: *beta-ecdysone* **antibodies** production and 125I [iodine isotope]-iodinatedtracer preparation. 039743
Influence of alpha- and *beta-ecdysone* on the **differentiation** of the imaginal disks of Drosophila melanogaster, culturedin vitro. 039928
The control of prepupal puffing patterns in vitro; implications for **prepupal** *ecdysone* titres in Drosophilia melanogaster. 040218

ECHEVERIA

Phorbic acid from *Echeveria* **elegans.** 037173

ECLOSION

An *eclosion* **timing** mechanism in the mosquito, Anopheles gambiae. 039834

ECOLOGY

Studies on the *ecology* of **actinomycetes** in soil. VIII. Distribution and characteristics of acidophilic actinomycetes. 040803
Ecology and **agriculture.** 031090
Devon Island, Canada [Plants, **animals,** *ecology].* 036191
Materials on the fauna and *ecology* of **Apoidea** (Hymenoptera) from the lower Don. VI. Review of tropic links. 040051
Ecological **aspects** of work concentration [in viticulture]. 036215
Some *ecological* **aspects** of the Cabora Bassa dam. 041493
Marine algae of western Norway species distribution and *ecology.* **available** reports. 036138
Range management in the chaparral type and its *ecological* **basis:** the status of our knowledge. 038174
The *ecology* and **behavior** of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a host and its parasites. 039914
On the *ecology* of **caddisflies** (Trichoptera) from mountain streams of southern Tien-Shan (The fauna of the Ak-Bura river). 039717
Coccolithophorid distribution and *ecology* in **coastal** waters of North Norway [Phytoplankton]. 036237
Studies on lichen-dominated systems. XIV. The **comparative** *ecology* of Alectoria nitidula and Cladina alpestris [Photosynthesis and respiration]. 036857
Ecological specialization of Hawaiian drosophila. II. The community matrix, *ecological* **complementation,** and phyletic species packing. 039891
Dependence of stomatal number and size in Juglans regia L. on *ecological* **conditions.** 037699
Ecological **conditions** for the growing of grapes, their specialization and microzoning in the Dagestan ASSR. 038523
Comparative biotransformation as a forecaster of the *ecological* **consequences** of selective insecticides. 039547
Ecological **consideration** on some terrestrial and aquatic fungi. 036213
Life history and *ecology* of **Criocephalus** rusticus (L.) (Cerambycidae, Coleoptera). 039870
Ecology of **desert** plants and observations on their seedlings. IV. Seed germination and seedling growth in Citrullus species. 036722
The caliciales of boreal North America: taxonomy, *ecological* and **distributional** comparisons with Europe, and ultrastructural investigations in some species [New taxa]. 036148
Root systems of trees and bushes and their *ecology* in **eastern** Karakum. 037896
Net productivity and *ecological* **efficiency** of Andropogon scoparius growning in an Ohio relict prairie. 036241
Forests and/or pastures? *[Ecological* **equilibrium,** conservation, reforestation]. 035458
The influence of tidal flux on microbial biomass in salt marsh creeks [Distribution and *ecology* of **estuarine** plants andanimals]. 036234
The distribution and composition of hybrid populations of Erica ciliaris L. and Erica tetralix L. in Dorset *[Ecological* **factors].** 036225
Study on the effects of *ecological* **factors** on Solanum dulcamara [Alkaloid production]. 036724
Ecology **fears** boost Kenyan pyrethrum exports [Insecticides]. 031605
Ecology of **flies** of the genus Fannia (Diptera, Muscidae) in Ivanovo district. 039967
The *ecology* of **flowering** and pollination of Betula nana in the polar Urals. 037897
The **historical** *ecology* of Lakenheath Warren in Suffolk, England. A case study [Plant and animal communities]. 036179
Ecology and **hydrogeological** role of feathergrass [Lasiagrostis splendens] communities in the sandy deserts of the northern Aral region. 036250
What can one expect from the silviculturist in relation to **landscape** *ecology* and regional planning? 035631
Ecology of the **Lower** Tana Rive flood plain (Kenya). 036217
Ecology and **management** of Southwestern semidesert grass-shrub ranges: the status of our knowledge. 038173
Seasonal occurrence and *ecology* of **marine** algae in a New Hampshire tidal rapid. 036136
Ecological **modeling** in a resource management framework: an introduction. 041541
Present problems and future prospects of *ecological* **modeling.** 041544
Ecology: **never** having to say you're sorry [Environmental protection]. 041682
A survey of haematophagous arthropods in western Himalayas, Sikkim and hill districts of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with *ecological* **notes** [Anophelinae, Culicinae]. 039462
Data transformations in *ecological* **ordination.** II. On the meaning of [vegetation] data standardization. 036220
Seventieth birthday of Ivan Navumavich Rakhtseenka [Plant **physiology,** *ecology].* 037002
Contributions to the flora and **plant** *ecology* of Campbell Island. 036066
The Tohela moors **[Plant** *ecology].* 036170
Scientific research at the Vanoise National Park. 4. **[Plant** *ecology].* 036171
The Thier guarry, a site to urgently conserve in Vielsalm **[Plant** *ecology].* 036236
The *ecology* of **product** design [Home economics]. 032524
Evolutionary and *ecological* **relationships** between Aquilegiaformosa and Aquilegia pubescens (Ranunculaceae), two perennial plants. 036487
Hydrological and *ecological* **results** of land drainage. 041257
Ecological-geographical **review** of the fauna of leaf beetles (Coleoptera, chrysomelidae) in central Kazakhstan. 040173
Gradient system of chlorine and ash distribution in plants and its *ecological-physiological* **significance.** 037276
The life history and *ecology* of the **snow** alga Chloromonas pichinchae (Chlorophyta, Volvocales). 037155
Ecological **soil-botanical** spectra of Solonetz soil complexes of the Turgai Valley. 036253
Influence of **special** *ecological* conditions on growth, metabolism, and potassium nutrition of tropical crops (as exemplified by the case of rice). 037450
Ecological **specialization** of Hawaiian drosophila. II. The community matrix, ecological complementation, and phyletic species packing. 039891
Ecological **studies** of the Towada-Hakkoda area [Vegetation]. 036205
Ecological **studies** on algal-lysing bacteria in fresh waters. 036211
First contribution to the *ecological* **study** of Ixodes ricinus (Linne, 1758) (Acarina, Ixodoidea) in southeastern France. 039436
Considerations on the area of distribution and *ecology* of **Tortula** desertorum Broth. in Spain. 035935
Ecological **toxicology** research. Effects of heavy metal and organohalogen compounds, proceedings of a NATO science committee conference. 041512
Drought damage on Mount Towrong, Victoria **[Vegetation,** *ecology].* 036245
The distribution and *ecology* of **woodwasps** [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. 039705
On *ecological* and **zoogeographical** characteristics of beetles of the family Coccinellidae (Coleoptera) on the left-bank (eastern) Ukraine. 040071

ECONOMETRICS

Urban analysis in the regional-national **[medium-term** *econometric* forecasting] model REGINA of the French economy [includes rural areas]. 031807

ECONOMICS

The *economic* **advantage** of pelletization of mixed feed in Mongolia. 033548
Economic **advantages** of using citrus fruit peels for feeding [Cattle]. 034362
On teaching and research in **agricultural** *economics* and agribusiness. 031200
Optimum plant size and location: a case for separable programming [Cost anaysis, spatial markets in **agricultural** *economics].* 031415
Priorities in **agricultural** *economics* as a result of the world food challenge. 031878
Requirements for *economic* **analysis** [Farm management]. 031266
Economic **analysis** of paddy enterprise in district Raipur [Production function analysis]. 031281
Economic **analysis** in organizations of Moldvinprom [Moldavian Winemaking Industry]. 031374
Economic **analysis** of veterinary services for udder health in industrialised dairy farming units [Costs]. 031490
The agriculture of Malaysia *[Economic* **aspects].** 031146
Agriculture is just beginning to move in Poland *[Economic* **aspects].** 031150
Developmental requirements of the food industry and development of the agricultural food system *[Economic* **aspects].** 031152
Development of agriculture in the Balkan states in the period between the two world wars from 1919 to 1939 *[Economic* **aspects].** 031161
Fruit and vegetable processing industry in Turkey *[Economic* **aspects].** 031196
We must keep the people in the country with the only inducement of a larger income approximating that earned in the cities [Cotton industry, *economic* **aspects,** Colombia]. 031233
Some *economic* **aspects** of the present and future food situation in the Western Hemisphere. 031846
Further dynamic but effective development of animal production *[Economic* **aspects].** 031925
New breeds of swine: Chester White and Spotted swine. 1. Their characteristics and *economic* **aspects.** 034554
Economic **aspects** of the natural regeneration of pine in the Solski Forest. 035620
The paper sector in the European Economic Community and the European Free Trade Association. I. Pulps for paper [Trade and *economic* **aspects,** Europe, United States,. 035720
Larger role for plastics in food packaging indicated by technical, *economic* **changes.** 032669
Larger role for plastics in food packaging indicated by technical, *economic* **changes.** 032813
[Socio-economic] **characteristics** of dairy farmers in Bangalore milk-shed area. 031110
The effect of irrigation of large areas on natural and social and *economic* **conditions.** 041269
Economic **considerations** in storage and preservative treatment of southern pine chips. 035880
Economic **constraints** for waste conversion and a way around them. 041593
Stability and change 1300-1700: The *socio-economic* **context** of the self-perpetuating family farm in England. 031101
Export trade in meat and meat products within the OECD [Organization for *Economic* **Cooperation** and Development] area. 031588
Preparations and preserved fruit and vegetable products for imports into the area of the Organization for *Economic* **Cooperation** and Development. 031657
Growing Azaleas and *economics* **[Costs].** 031459
Selecting the optimum variant of [pine] stand density according to *economic* **criterium.** 035590
Observations from a field trip to Sor-Trondelag, 19 August 1975 [Fungus diseases of *economic* **crops].** 038742
Leaf protein: scant research **despite** *economic* potential [as food ingredient]. 032814
Drainage *economics* [Maize, beets, grass]. 041465
Economic **effectiveness** of concentration of viticulture on collective farms [Costs, returns]. 031504
Remarks on the *economic* **efficiency** of irrigation water [Maize, cost, returns]. 041343
Economics of **egg** production [costs]—a case study in Udaipur. 031496
Role of food industry research in the tasks of **energy** *economics.* 032786
Economic and **environmental** impacts of sagebrush [Artemisia]control on Utah's rangelands —a review and analysis [Costs]. 039178
1973 agricultural income accounts of **European** *Economic* Community member countries. 031475
The EEC **[European** *Economic* Community] generalised system of preferences; with special reference to Latin America [International trade relations]. 031572
Regulation of the agricultural market in the **European** *Economic* Community. 031573
EEC **[European** *Economic* Community] food imports from the Third World and international responsibility in agricultural policy. 031577
Importance of the **European** *Economic* Community market for Austrian agriculture. 031594
Imports of citrus juice in the **European** *Economic* Community. 031616
Basic and purchase prices for fruit and vegetables for the 1975/76 fiscal year **[European** *Economic* Community]. 031651
Regulation of the **European** *Economic* Committee with third countries for fruit and vegetable products [Imports, prices]. 031658
The swine market in the **European** *Economic* Community. 031717
Quality wines in Italian and **European** *Economic* Communuty legislation [Labeling]. 031787
EEC **[European** *Economic* Community] forecasts: possible danger of beef deficit. 031811
The future of the **European** *Economic* Community agrarian policy. 031822
Evaluation of the agricultural policy of the **[European** *Economic]* Community. 1. 031864
Evaluation of the agricultural policy of the **[European** *Economic]* Community. 2. 031865
"Stock taking" of the milk policy **[European** *Economic* Community]. 031896

The present method of classification of pork sides in the EEC [**European** *Economic* Community]. 032007
Proposed **European** *Economic* Community flour-types and their baking behavior. 033233
The paper sector in the **European** *Economic* Community and the European Free Trade Association. I. Pulps for paper [Trade and economic aspects, Europe, United States,. 035720
Chemical fertilizers in the **European** *Economic* Community [Italy]. 040861
Development of production, foreign trade and consumption of chemical fertilizers. Situation in the world, the **European** *Economic* Community and Belgium. 041071
The mountain and the conservation of nature in the programs of the **European** *Economic* Community. 041480
Economic **examination** of vintage in a wide-spaced large-scale vineyard. 038225
Economic **feasibility** of waste as animal feed. 033538
The *economics* of **fertiliser** usage on grassland. 041028
Agricultural and **food** *economic* summit conference [Food prices, paper]. 031627
Agriculture & **food** *economic* summit; conference paper [Food prices]. 031628
Economic **forage** production and utilization in Louisiana [Grazing management]. 038078
Economic **foundation** of the harmful effect of cotton wilt [Verticillium]. 038801
Causes of, and resistance to, the concentration of enterprises and their dependence on the **general** *economic* policy [Dairy industry]. 031698
Production of young [Chrysanthemum] plants in the **greenhouse**—*economic* calculations [Costs]. 031458
Economic **growth** of the greenhouse industry [Income]. 031457
Saving electricity with household appliances [**Home** *economics]*. 032521
Stretching dollars for the umemployed [**Home** *economics]*. 032522
The case of the late Mrs. Smith, homemaker: preparing testimony for the court [**Home** *economics]*. 032523
The ecology of product design [**Home** *economics]*. 032524
Environmental and *economic* **impact** of nutrient management on the New York dairy farm [Agricultural pollution]. 041658
Economic **implications** of producing beef calves with various pasture management systems [Costs, returns]. 031482
The *economics* of **improving** pesticide use. 039528
Economic **incentive** in the production of mustard seeds. 031510
Economic **incentive** in the harvesting of cereals. 035511
Efficient utilization of *economic* **incentives** of the development of production [Forest industries]. 035573
Effect of concentration of production on the *economic* **indices** of widespread-demand enterprises [Forestry]. 035572
The status, *economic* **indices** and ways of improving production of planting stock in the Ukraine [Silviculture]. 035672
Meaning of *economic* **indices** [Multiple-story beehives in apiculture]. 040262
Eighteenth session, Rome, 8-27 November 1975. Relations and consultations with international organizations. Review of the recommendations of the Special Session of the UN [United Nations] General Assembly devoted to development and **international** *economic* cooperation. 031270
Economics of **irrigation** in a Sprinkler Irrigation Association. 041448
Managerial *economic* research on interregional competition in agricultural industry. 031357
Improvement of the *economic* **mechanism** in Bulgarian agriculture. 031319
An *economic* **model** for selection of [forest] tree varieties [Fagus, Picea abies]. 035641
Prospects for the development of forestry in the member countries of the Council for **Mutual** *Economic* Assistance. 035553
Comparative analysis of the standard testing method for determining the fungal-decay resistance of wood preservatives to Basidiomycetes in the mamber countries of the Council for **Mutual** *Economic* Assistance. I. 035765
Conference of coordinators for the Project No. 11.2 "Fertilization of young plantations and forest stands" under the Council for **Mutual** *Economic* Assistance. 041103
Second international comparison of plowing by the member nations of the Council for **Mutual** *Economic* Assistance. 041162
National *economic* importance of the cultivation of bulb flowers [Costs, returns]. 031477
Further rationalization of power comsumption, a decisive task for the fulfilment of the **national** *economic* plan also in the field of agriculture [East Germany]. 040320
Policies and practices in the private non-agriculture and **non-food** *economic* sector to control inflation. 031641
Use of balancing of the **overall** *economic* processes in state planning for the agriculture of the German Democratic Republic. 031323
The role of fertilisers in **overall** *economic* development and obstacles hindering the increase of fertiliser use in tropical Africa. 040976
Organization of the comparison of *economic* **performance** according to uniform standards [Livestock management, East Germany]. 031336
Protein determination [of *economic* **plants**] using the biuret method. 032913
Early introduction of *economic* **plants** into New England. 035919
Grasshopper control [Orthoptera, *economic* **plants**]. 039216
Timber: biological and *economic* **potential**. 035862
Actions in the **private** *economic* sector of agriculture, farming and food to control inflation. 031836
The *economic* **problems** of feedstuf management on large-scale farms. 031460
Energy and *economic* **problems** of air conditioning in plants for industrialized fattening. 040318
Economics of **producing** nutrients from cellulose. 032670
Young bull **production** *economics* and optimal weight decrease under different conditions [Costs]. 031515
Supplemental feeding of steers on everglades pasture. Effect on pasture and feedlot performance and *economics* of **production** [Income]. 034350
Economic **profitability** of crop enterprises in a dry farming area of Madhya Pradesh. 031449
Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the *economic* **qualities** of alfalfa. 038138
Further improvement of the efficiency of distribution and the *economic* **regulation** of [the East German] storage houses. 031685
Economic **research** in the Department of Agriculture: a historical perspective. 031148
Response of paddy to nitrogen, phosphate and potash and their **respective** *economic* optima under varying prices. 040927
Palm oil steam refining, techniques, operating **responses** and *economics*. 032889
Economic **results** of the development of the member enterprises of the "Halle-Saale-Obst" cooperation association [Fruit production]. 031284
On some *economic* **results** of chemicalization of agriculture in the Ukraine. 031928
Economic **results** of the influence of feeding on the production of slaughter chickens [Protein]. 033135
Influence of modernizatin and intensification of culture on the *economic* **results** of production and on the characteristics of wine. Influence on consumption. 038278
Economic **role** of Guadaloupe [Agriculture]. 031167
Land utilization and its *economic* contribution to the **rural** communities. 031227
Chayanov and the *economics* of the **Russian** peasantry. 031100
Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on *semi-economic* **scale** [Fomes annosus, biological control]. 038814
The practical and *economic* **significance** of the simultaneous increasing of the frequency of milking and feeding for milk production on semi-automated dairy procedures. 034341
Appraisal of *economic* **significance** of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408
Economic **situation** of Austrian agriculture in 1974. 031819
Economic **situation** leads to master planning [Sprinkler irrigation]. 041405
Economic and **social** aspects of paper consumption [in Italy from 1951 to 1974]. 035719
Spome *economic* aspects of assuring udder health in industrially producing dairies. 034925
On the *economic* **structure** of strictly hierarchical central place systems [Rural-urban relations]. 031034
Economic and **technical** considerations in the establishment of industrial effluent guidelines in the United States. 041633
Economics of **transfer**. 031843
[Economic of the] **transportation** of bulk milk. 031729
The *economic* **value** of vegetable cultivation [Management]. 031292
The *economic* **value** of vegetable cultivation. 031293
The *economic* **value** of the nursery industry. 031294
The *economic* **value** of organic matter in crop production. 040900
Concentrate feeds for livestock in Trinidad and Tobago: an *economic* **view** of developments since 1960. 033518
The *economics* of **waste** heat utilization for controlled environment [greenhouse] production of agricultural products [Costs]. 031437
The *economics* of **water** oriented outdoor recreation in the Kissimmee River Basin [Land use]. 031165
Economic use of **water** with nitrogen fertilization and assessment of suitable indices for scheduling irrigation in sugarcane. 041339

ECONOMIES

Economies of **size** in sugarcane farming [Returns]. 031470
Economies and the **Technical** Wine Institute. 031226

ECONOMISTS

Responsibility and tasks of the *economist* in the **Grossengottern** Cooperative Plant Production Section [East Germany]. 031340

ECONOMIZATION

Problems of *economizing* in **feed** consumption. 034429
The ways of *economizing* **material** and technical resources in reclamation construction [through mechanization and proper organization]. 040363
Economising **nitrogen** fertiliser use for rice production in West Bengal. 040920

ECONOMY

Retrospect and outlook of the Central Marketing Association of the German **Agrarian** *Economy* for potatoes. 031682
Genetics and **agricultural** *economy*. I. Plant productions. 036373
The *economy* and **agriculture** [Prices]. 031644
Note on some recent works on the **agro-food** *economy*. 031144
Preliminary remark to the problem area II: Feeding, milk yield and *economical* **aspects** of dairy cattle husbandry. 034339
Technical and *economical* **aspects** of mechanical delimbing and debarking [of trees]. 035698
Agriculture in the **Canadian** *economy*. 031193
Survey of the Austrian **dairy** *economy*. 031232
Chemical weed control—**effective** and *economical*. 039127
Analysis of **feed** *economy* at the Wildberg industrial swine fattening plant, in the Neuruppin district [Nutritive value, livestock managment]. 034496
Agricultural production and the **food** *economy* of Italy in the outlay of the family. 031775
Complex regionalization of **forest** *economy* of the Ukraine. 035571
Urban analysis in the regional-national [medium-term econometric forecasting] model REGINA of the **French** *economy* [includes rural areas]. 031807
Fuel *economy* during flight of the dragonfly pantala flavescens (F). 039803
Measures for *economical* **fuel** consumptions in the plant production cooperative "Karl Marx" Glauchau. 040321
Economy of **high** frequency-preheating chip mats in particle board production. 035763
Agriculture in the **Irish** *economy*. 031216
Characteristics of *economical* and **management** aspects of increased turkey production [Prices, marketing]. 031550
Current problems of trade policy and raw **material** *economy* [in sugar industry]. 031939
Economical **meals** for a month. 031990
A **"no-growth"** *economy* by the 1980's? Implications for the American family. 032520
A new Illinois soybean beverage: tasty, smooth, **nutritious,** and *economical*. 033240
Influence of the modification of *economical* **regulations** on the cereal industry. 033228
Production and *economical* **results** in the activity of the [agricultural] cooperative Pantelimon, district Contanta. 031368
Economy and **saving** of concentrates with hot air drying of green feeds. 033586
U.S. **Soybean** *economy* in the 1980's [Forecast]. 031810
Rural development, the necessity of an *economy* of **subsidized** agriculture. 031143
Forestry issues in an **urban** *economy*. 035558
Impacts of agricultural trade on food and fiber section of the **U.s.** *economy*. 032528
Deep loosening of soil regulates **water** *economy*. 041170

ECOPHYSIOLOGY

Study of supplementary lighting in greenhouses. *Ecophysiological* **aspects** of flax growth under different light conditions. 037495

ECOSYSTEMS

Dynamic behavior of vinyl chloride in **aquatic** *ecosystems* [Water pollution]. 041506
An experimental approach to the study of pollution effects in **aquatic** *ecosystems*. 041510
Problems in **aquatic** *ecosystems*, with special reference to heavy metal pollution of the marine environment. 041517
Plant community age as a measure of sensitivity of *ecosystems* to **disturbance.** 036227
A survey of tracks and paths in a sand **dune** *ecosystem*. II. Vegetation. 036216
A survey of tracks and paths in a sand **dune** *ecosystem*. I. Soils. 040667
Biological potential for the loblolly pine [Pinus taeda] *ecosystem* **east** of the Mississippi River. 036252
The Gir Forest: an **endangered** *ecosystem*. 036174
The relationship between site condition and circulation of nutrients in **forest** *ecosystem*. III. Above ground biomass and nutrient contents of stands. 036229
CLEAN [Comprehensive **Lake** *Ecosystem* Analyzer], the aquatic model of the eastern deciduous forest biome. 041539
The importance of Alpine pastures as **managed** *ecosystems*. 038182
Effect of environmental conditions on the degradation of DDT in model **marine** *ecosystems*. 039580
CLEANER *[ecosystem* **model]:** the Lake George model. 041540
Range management in the central and southern Rocky Mountains: a summary of the state of our knowledge by **range** *ecosystems*. 038175
Effect of monensin fed with forage on digestion and the **ruminal** *ecosystem* of steers. 034407
Plant-induced soil chemical patterns in some shrub-dominated **semi-desert** *ecosystems* of Utah. 036222
Some effects of pollutants in **terrestrial** *ecosystems*. 041518
Abisko II: A computer simulation model of carbon flux in **tundra** *ecosystems*. 036187
Structure and function of **tundra** *ecosystems*. 036202

ECOTYPES

Observations on the behavior of **certain** *ecotypes* and hybrids of the Carpathian bee (Apis mellifera carpatica). 040290

ECTOPARASITES

Gamasid **mites** *ectoparasites* of small mammals in Iran. 039519

A new species of the *ectoparasitic* **nematode** (the genus Trichodorus [yokooi] from coniferous [Abies nephrolepis and Picea ajanensis] forests of the Far East of the USSR. 039049
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the *ectoparasitic* **nematodes** Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953

EDEMA
Prevention of coli enterotoxemia in weaned swine *[Edema* **disease].** 035212
Our examination of *edema* **disease** of chickens. 035385
Neurogenic **pulmonary** *edema* in the dog. 035336

EDIBLE *see* FOOD

EDUCATION
Adult *education* [for grape growers]. 038368
Nutrition research and *education* in the **age** of Franklin [History]. 032355
Agricultural *education.* 031131
International trade [of farm products] and **agricultural** *education.* 031677
Education in the **broadening** scope of forestry today. 035464
Our Little Paradise **[Conservation** *education].* 041202
Continuing *education* for extension agents. 032592
Outdoors study multiplies in Mobile **[Environmental** *education].* 041662
Advances in [Indian] agricultural **extension** *education.* 031040
A career for you in agricultural and **extension** *education.* 031125
Needs and demands for **farmer** *education.* 031008
Turning point in agricultural and **forestry** *education* [Legislation]. 031823
Urban **forestry** *education* in North America. 035480
Intensification of *education* and **further** training [East Germany]. 031102
New plan for **horticultural** *education* involving practical experience as an important part. 038332
Clydesdale assails food faddists, calls for **increased** *education* push; targeting on productivity. 032560
Integration of nutrition in **medical** *education.* 032600
Impact of a **nutrition** *education* program on Appalachian families in poverty. 032287
Modular communications system (MCS): an outpatient bilingual **nutrition** *education* program for a neighborhood health clinic. 032297
Television PSAs [public service announcements] for **nutrition** *education.* 032315
Homemakers' food and nutrition knowledge - implications for **nutrition** *education.* 032402
A model for a regional centre of **nutrition** *education.* 032681
Arboreta: communicate or **perish** *[Education].* 038391
Alumni association, a binding link between research, *education* and **practice** [Viticulture, horticulture]. 038369
Nutrition in Sweden: research and **public** *education.* 032366
A challenge to make **science** *education* interesting and relevant: a case study in food science and nutrition for nonmajors. 032374
Poultry extension—its need and **scope** *[Education].* 033633
The condition of *education,* **technical** schools in the change of times [Agriculture]. 031065
Education and **training** in weed science in Europe. 039190
Development trends in the *education* of **wine** growers and farmers. 031064

EDWARDSIANA
Notes on the **genera** *Edwardsiana* Zachv. And Pithyotettix Rib. (Homoptera, Cicadellidae) with descriptions of two new species. 039996

EELWORMS
Cereal **cyst** *eelworm* [Heterodera avenae, Nematodes]. 038948

EFFLUENT
Management is important in *effluent* **disposal** [Dairy farms]. 041505
Sugar **factory** *effluents.* 041597
Automatic monitoring of *effluents*—**a feasibility** study [Wastewater treatment]. 041567
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as well as in **foods** and *effluents.* 035214
Statistical considerations in assessing biological effects of aquatic **industrial** *effluents.* 041584
Economic and technical considerations in the establishment of **industrial** *effluent* guidelines in the United States. 041633
Effluent [for **irrigation**] as defined by water quality. 041048
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal sewage **lagoon** *effluent* [Health hazards to livestock]. 041353
Effects of swine **lagoon** *effluent* disposal on soil-plant-runoff quality. 041653
Distribution of plutonium in soil particle size fractions of **liquid** *effluent-receiving* areas at Los Alamos [Radioactive contamination]. 041605
Land application of **municipal** *effluent* waste [for irrigation] on turf. 041049
Current status of paper **reprocessing** *effluent* characteristics and disposal practices [Water pollution]. 041669
A simple system for the measurement of the biochemical oxygen demand of an *effluent* **sample** [Dairy industry]. 041615
Phosphorus balance in **sewage** *effluent* treated soils. 040675
A two pound system of dairy **shed** *effluent* disposal. 041504
Whey produced during cheddaring as a **source** of *effluent.* 033017
Phosphorus distribution from septic **tank** *effluent* in coastal plain soils. 040676
Protein recovery as an *effluent* **treatment** process. 041507
A preliminary analysis of *[effluent]* **treatment** plant monitoring programs. 041561
Recommended design of sample intake systems for automatic instrumentation [Measurement of water quality and **waste** *effluents].* 041509
Variations of the municipal **waste** *effluent* quality and the implications for monitoring. 041587
Equipment used to meet health regulations for *effluent* **water** use [for irrigation]. 040517

EGGPLANTS
Processsing of **brinjal** *[Eggplants].* 033395
Collar rot of the *eggplant* **caused** by Rhizoctonia solani Kuhn. 038724
Brinjal **[eggplant]** leaf extract induced resistance to virus infection in plants. 038904
The influence of bottle-gourd mosaic virus and *brinjal* **[eggplant]** mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Processsing of *brinjal* **[Eggplants].** 033395
Rhizosphere fungi and nematodes of *eggplant* as **influenced** by oilcake amendments. 038711
Brinjal *[eggplant]* **leaf** extract induced resistance to virus infection in plants. 038904
Metarrhizium anisopliae (Metch.) Sorokin on *Brinjal* **mealy** bug [Centrococcus insolitus] and its use in the biological control of the pest. 039328
The influence of bottle-gourd mosaic virus and brinjal *[eggplant]* **mosaic** virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Toxicity of some organophosphates and carbamates against Epilachna vigintioctopunctata F. *[Eggplants,* **potatoes].** 039320

EGGS
Acid and alkaline phosphatase activity in relation to *egg-laying* and **aging** in Callosobruchus analis (Fab.) (Coleoptera: Bruchidae). 039658
The heritability of liability to laying **anormal** *eggs* [Poultry]. 034708
Application of both paper disk assay method and TTC [triphenyltetrazolium chloride] test for the detection of **antibiotics** in *eggs.* 032065
Behavior and requirements of the consumer for *eggs* in **Belgium.** 031560
Purification and properties of proteinase inhibitors from the albumin of the *eggs* of **certain** species of birds [Chickens, quail]. 033119
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk sac-serosal membrane **[Chicken** *eggs].* 033733
Commercial *egg* production costs and returns. 031416
Marketing problems with **consumer** *eggs* [Austria]. 031517
The storage of **cow** *eggs* at room temperature and at low temperatures [Reproductive physiology]. 034702
A survey on spoilage of *eggs* and **death** of chickens during natural hatching and rearing by hens. 034646
Conservation of eggs of Graphosoma lineatum L. Bug by the method of deep freezing and their possible use to **destroy** *eggs* of harmful corn bugs. 039302
Photoperiodic and temperature induction of *egg* **diapause** in Aedes caspius caspius Pall. (Diptera, Culicidae). 039500
Irradiation studies of mallard **duck** *eggs* material containing the insecticide] mirex [Degradation]. 039561
Dietary effect on the performance of the Silver Montazah and the Golden Montzah pullets. 4. *Egg* **fertility** and hatchability. 034263
Examination of the metabolism index of Salmonella typhimurium infected **goose** *eggs.* 034967
Conservation of *eggs* of **Graphosoma** lineatum L. Bug by the method of deep freezing and their possible use to destroy eggs of harmful corn bugs. 039302
In-vitro fertilization of **hamster** *eggs* in different media and the stimulating effect of heterologous and homologous spermatozoa. 033640
Curbing boll weevil [Anthonomus grandis] *egg* **hatch** [Cotton]. 039254
The egg: production, selection and care of **hatching** *eggs* forbest hatching results. 034649
Surface distribution of the fatty acid side chains of phosphatidylethanolamine in mixed phospholipid vesicles **[Hen** *egg* yolk]. 033813
The structure of triclinic [of the **hen** *egg-white]* lysozyme at 2.5 A [angstrom] resolution. 034067
Studies on the nutrient content of the liver, pectoral muscle, total body and *eggs* of **hens** as influenced by graded supplies of vitamin B6. 034316
The energy situation and outlook for the poultry and *egg* **industries.** 031901
Programs for the management of *egg* **laying** chickens by computer [Production planning]. 031258
Optimal production time for *egg* **laying** chickens—how long to retain the hens? 033642
Influence of the presence of rape cake in the chicken feed on *egg* **laying** performances. 034392
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of *egg* **laying** and fecundity [Flour pests]. 039426
Ovary development and *egg* **laying** in Apis cerana indica workers. 040248
Necessity for maintenance to correspond to industrial production *[Eggs,* **management].** 031335
Pathogenic Staphylococci associated with contamination of **market** *eggs.* 032086
The autonomous function of germ plasm in a somatic region of the Drosophila **[melanogaster]** *egg.* 039735
Origin of di-isobutyl phthalate, a contaminant mimicking nonadecenoic acid in fatty acids of *egg* **membrane** lipids. 033124
Dynamics of carbonyl-compound accumulation in irradiated **mixed** *eggs* during storage. 033118
Photoperiodic induction of the diapause of the *egg* **phase** in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
World trade in *eggs* and **poultry,** 1973 and 1974 [Statistics]. 031597
Survey of the methods for long term storage of **poultry** *eggs.* 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) eggs from retail stores. 033134
Estimating the average cost of *egg* **production** in Egyptian poultry farms. 031419
Economics of *egg* **production** [costs]—a case study in Udaipur. 031496
Dietary effect on the performance of the Silver Montazah and the Golden Montazah pullets. 1. Rate of lay *[Egg* **production].** 034260
Comb or wattle size of 10 weeks old cockerels as an indicator of sexual maturity in selection for *egg* **production.** 034568
[Poultry] selection for *egg* **production** under ahemeral light-dark cycles [Genetics]. 034573
The breeding of ducks for *egg* **production.** 034648
The *egg:* **production,** selection and care of hatching eggs forbest hatching results. 034649
The effects of different blood-meal sources on digestion and *egg* **production** in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. 039488
Horizontal screen-conveyor centrifuges on the *egg* **production** farms. 040423
A comparison of strontium selenite broth and mannitol-selenite-cystine broth in the isolation of salmonellae from *egg* **products.** 031962
Fowl play: processors swell selections of *egg* **products.** 032631
A comparison of in-vitro fertilization of **rabbit** *eggs* using spermatozoa recovered from the uterus or vagina. 034677
Survey of the methods for long term storage of poultry eggs. 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) *eggs* from **retail** stores. 033134
Eggshell damage and master container costs of two **shell** *egg* marketing systems. 033121
Effect on lime treating, oil spraying and thermostabilization on the keeping quality of **shell** *eggs* [Chickens]. 033130
Testing the influence of centrifuging **silkworm** *eggs* on some biological characters and technological qualities of silkwork (Bombyx mori L.) cocoons. 040312
Dietary effect on the performance of the Silver Montazah and the Golden Montazah pullets. 2. *Egg* **size.** 034261
Egg **thickness** as affected by calcium level in laying hen ration. 034536
The nutritive **value** of *egg.* 032448
Effects of net charge on the hydrogen-deuterium exchange parameters of *[egg* **white]** lysozyme. 033120

EGGSHELLS
Regulation of **avian** *eggshell* porosity. 033133
Eggshell **damage** and master container costs of two shell egg marketing systems. 033121
Enzymatic basis for **DDE-induced** *eggshell* thinning in a sensitive bird. 039582
DDE [dichlorodiphenyl **dichloroethylene]-induced** *eggshell-thinning* in the American kestrel: a comparison of the field situation and laboratory results. 039568

EIMERIA
Eimeria **acervulina,** Eimeria brunetti, and Eimeria maxima: immunity in chickens with low multiple doses of mixed oocysts. 035059
Immune responses to infections with coccidia [of *Eimeria* **acervulina]** in chickens: gut hypersensitivity. 035181
Eimeria acervulina, *Eimeria* **brunetti,** and Eimeria maxima: immunity in chickens with low multiple doses of mixed oocysts. 035059
Eimeria **leuckarti** and Dicrocoelium dendriticum observed in horses imported to Denmark. 035170
Eimeria acervulina, Eimeria brunetti, and *Eimeria* **maxima:** immunity in chickens with low multiple doses of mixed oocysts. 035059
Transferred drug-resistance in *Eimeria* **maxima** [cause of chicken coccidiosis]. 035183
Enzyme variation in *Eimeria* **species** of the chicken [Coccidiosis]. 035178

EJACULATION
Effects of carnitine on oxygen uptake and utilization of (U-14C) [uranium-carbon isotope] palmitate by *ejaculated* **bull** spermatozoa. 034683
Changes of antigene properties of the bovine spermatozoa during their maturity in the **epididymis** and *ejaculation.* 034805
Effect of glycerol solvent on the activity of deep-frozen bull **[semen]** *ejaculates.* 034854

ELAEAGNUS
Fatty acid composition of oleaster *[Elaeagnus* **angustifolia]pulp** and pit oils. 033422
Oleasters—overlooked landscape treasures *[Elaeagnus,* **varieties].** 038336

ELAEIS
Study of the composition of *Elaeis* **guineensis** Jacq. Oil. Possibilities for improvement. 032890
Release and fixation of potassium in some soils supporting the oil **palm** *(Elaeis* guineensis Jacq.) in Nigeria. 040646

ELASTASE
On the specificity of **porcine** *elastase.* 033807

ELASTICITY
Model of *elasticities* of **demand** and consumption of agricultural products in Juiz de Fora, Minas Gerais. 031582
Elasticity of **fertilizer** demand. 031706
Determination of modulus of *elasticity* of **wood** from vibrating reed measurements. 035741

ELATERIDAE
Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, *Elateridae)* and the **fox-coloured** sawfly Neodiprion sertifer. 039976
Wing venation of click-beetles (Coleoptera, *Elateridae)* and its **importance** for taxonomy of the family. 040180
Controlling wireworms *[Elateridae]* in **potatoes.** 039331

ELBERTA *see* PEACHES

ELDERLY
Are community nutrition programs meeting the **needs** of the *elderly?* 032371
Are community nutrition programs meeting the **needs** of the *elderly?* 032684

ELECTRICITY
On the compatibility of the *electric* **conductivity** in the California Mastitis Test for the detection of abnormal milk. 032103
Improving thermal and *electrical* **conductivity** of cotton fabrics by chemical plating. 033174
The determination of the utmost permissable densities of *electric* **current** in wines when using conductometric transducers. 033476
Optimation of stand-by power packs *[Electric* **energy,** animalproduction]. 040323
Conclusions from and accident in the district of Rostock [Use of *electric* **equipment,** animal production]. 040414
Damage to *electrical* **equipment** in buildings constructed of wood must be prevented. 040416
Shortcommings in management work causes accidents [Use of *electric* **equipment].** 040434
Low-cost fencing: ways with *electric* **[fence]** units. 040379
Electric **fences** in agriculture. 040339
Electric **fences** at the International Show of Agricultural Machinery, March 1975. 040340
Paddock subdivision with *electric* **fences.** 040346
Technology—the manufacture of *electric* **heating** elements on a plastic base [Grapes, culture]. 040388
Electric **honey** extractor. 032876
Changes of peripheral leukocyte-counts by *electrically* **induced** convulsion in rabbits. 034082
Demands expected of the repair and testing service for *electrical* **machinery.** 040418
Certain problems of **measuring** *electrical* conductivity of wines. 033473
Repair of *electric* **motors** for agriculture. 040433
Functional role of **photoinduced** *electric* response of the plant during uptake of phosphorus from soil in the light [Maize, grapes]. 036940
Relations between the *electrical* **potential,** pH [hydrogen-ion concentration] gradient, proton flux and phosphorylation in the photosynthetic membrane [Spinach]. 037655
Monitoring pesticides by means of changes in *electric* **potential** caused by fish opercular rhythms. 039587
Effect of the drop of ground water level on soil and vegetation properties in the area adjacent to the *electric* **power** plant "Lower Oder". 041684
Ultraviolet-induced alterations of beat rate and *electrical* **properties** of embryonic chick heart cell aggregates. 034063
Efficiency of enamel varnish insulation on stator windings during operation of *electric* **pumps** in water [Farm equipment]. 040392
Professor Lehmann's "mile-line" **put** *electricity* on Illinois farms. 040369
Intercellular transport in plants. I. The rate of transport of chloride and the *electric* **resistance** [Chara corallina, Algae]. 037041
Saving *electricity* with household appliances [Home economics]. 032521
Effect of electrode implantation and *electrical* **stimulation** of hypothalamus on food intake in cats. 033718
Electrical **stimulation** of the hypothalamus and luteinizing hormone secretion in Japanese quail. 034054
Lignocellulose batteries: potential sources of **stored** *electrical* energy. 035883
Surface *electric* potentials on worker honeybees [Apis mellifera] leaving and entering the hive. 040250

ELECTROCHEMISTRY
Overall estimation of organic micropollution: development of and investigation into an *electrochemical* **method.** 041640
Electrochemical **properties** of blood and lymph proteins of cows sick with lymphomatosis. 035241

ELECTRODES
Effect of *electrode* **implantation** and electrical stimulation of hypothalamus on food intake in cats. 033718
The use of a specific **ion** *electrode* for determination of bromide in soils [Tracer studies of the movement and distribution of nitrogen fertilizers]. 041047
Nitrate determination in soil using a nitrate **selective** *electrode.* 040841
Determination of inorganic pollutants in river water with ion **selective** *electrode.* 041604

ELECTROGENESIS
Evidence for *electrogenic* **sodium** pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
Electrogenic **sodium** pump in exocrine gland cells. 033937

ELECTROKINETICS
The *electrokinetic* **properties** of isolated secretroy particles [Exocytosis]. 033962

ELECTROLYTES
Mechanisms of action of neutrotransmitters and their analogues on salivary **duct** *electrolyte* transport. 033940
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on *electrolyte* and **enzyme** secretion by the pancreas [Cyclic adenosine monophosphate]. 033944
Changes in urinary water and *electrolyte* **excretion** in sodium-loaded sheep in response to intravenous infussion of arginine vasopressin. 034159
Water and *electrolyte* **metabolism** in farm animals. 034234

ELECTROMAGNETIC
Electromagnetic **water** current meter. 041302
Radiotelemetric methods of investigation [Effects of *electromagnetic* **waves** on swine digestion]. 034229

ELECTRONICS
Use of *electronic* **computers** for determining cell numbers in milk tank samples [Mastitis control]. 035273
Use of *electronic* **data** processing in farm accounting [Management, Austria]. 031244
New *electronic* flow measurement for wastewater. 041579

ELECTRONS
Ferritin in insect vectors [Cicadulina mbila] of the maize streak disease **agent** *electron* microscopy and electron microprobe analysis. 038923
Use of *electron* **computers** to plan livestock inventories, production, costs and proceeds in industrial swine production facilities. 031381
Electron **diffraction** study of cellulose [Cotton]. 033170
Electron-microscopic **examination** of maize sterile mutants induced by acridine dyes. 036703
Effects of magnesium and chloride ions on **light-induced** *electron* transport in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
Ferritin in insect vectors [Cicadulina mbila] of the maize streak disease agent electron microscopy and *electron* **microprobe** analysis. 038923
Electron **microscope** examination of Tyuleniy virus-infected chick fibroblast cells. 035281
Light and *electron* **microscope** studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep. 035286
Light and *electron* **microscope** studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
A negative staining-carbon film technique for studying viruses in the *electron* **microscope.** III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
Electron **microscope** studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844). 039517
Lipid staining for the *electron* **microscope:** a new method [Tests with tissues of Rhodnius]. 039827
An *electron* **microscopic** study of the nucellus cells in bothriochloa ischaemum L. 036296
Effect of polyoxin on fungi. II. *Electron* **microscopic** observations of spore germination of Alternaria kikuchiana Tanaka. 036768
Electron **microscopic** investigations on the occurrence of rickettsia-like bacteria in the roots of Erica gracillis Salisb. 038874
Electron **microscopic** investigations on the structure of the photoreceptor cells in the compound eye of Ascalaphus macaronius (Insecta: Neuroptera). (Preliminary note). 039790
The tympanic organ of Cicada orni L. (Cicadina, Homoptera). A light and *electron* **microscopic** investigation. 039954
Studies on the denaturation of fish muscle proteins. I. Physico-chemical and *electron* **microscopical** studies of freezedenatured carp actomyosin. 032767
Electron **microscopy** of flame-resistant fabrics [Cotton]. 031954
Electron **microscopy** study of the structure of cells of the mammary gland during various periods of lactation and under the effect of luteotropin. 034183
Electron **microscopy** study of the development of neurovaccinia virus in rabbit blood leucocyte cultures. 035117
A method of collecting and processing nematode larvae for *electron* **microscopy** [Animal diseases]. 035123
A note on light and *electron* **microscopy** studies of white pine [wood] exposed to marine [mollusk and crustacean] borer damage. 035894
Intercellular spaces of storing parenchyma studied by *electron* **microscopy** in Beta vulgaris [Sugarbeets]. 037428
Electron **microscopy** of some grasses and cereals infected with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. 038919
Fate of tobacco mosaic virus after entering the host cell. II. *Electron* **microscopy** of virus particles recovered from inoculated leaves. 038926
Electron **paramagnetic** resonance studies of actin-lipid interaction in aqueous media [Fish processing]. 032850
Photosynthetic *electron* transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
Scanning *electron* microscopy of the endosperm of cereal crops. 3. Starch cell layer of whitecore rice. 033195
Scanning *electron* microscopy of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Scanning *electron* microscopic visualization of collagen fibers in embryonic chick skin. 033877
A **scanning** *electron* microscope study of the structures of normal, tension and morphactin IT 3456 induced wood in Aesculus hippocastanum. 035703
Scanning *electron* microscopy: a practical tool in wood technology. 035749
Scanning *electron* microscopy of the backs of Tortula desertorum Broth. leaves coming from different localities in Spain. 036259
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on barley leaves] as observed by **scanning** *electron* microscope. 038846
Scanning *electron* microscopy of the ticks Ixodes laguri andIxodes arboricola: surface structures of Haller's organ. 039456
A new specimen preparation technique for the **scanning** *electron* microscope [Soil structure]. 040582
A technique to enhance detail on **scanning** *electron* micrographs of geological materials [Soils, sands]. 040583
Electron **spin** resonance spectra of chicken hepatoma and liver tissue. 033702
The chitin-glucan complex of Saccharomyces cerevisiae [Yeasts]. III. *Electron-microscopic* **study** of the prebudding stage. 036311
Electron-cytochemical **study** in localization of glucose-6-phosphatase activity of cytoplasm of Funaria hygrometrica cells. 036365
Electron-microscopic **study** of chloroplasts in zygotes of Chlamydomonas reinhardi [Algae]. 036540
Correlation between oxygen utilization and *electron* **transport** activity in marine phytoplankton [Algae]. 037093
Measurements of *electron* **transport** activities in marine phytoplankton [Algae]. 037095
Effects of aging on chlorophyll fluorescence and photosystem II *electron* **transport** in isolated chloroplasts [of spinach]. 037672

ELECTROPHORESIS
Immunodiffusion and *electrophoretic* **analysis** of antigens from Strongyloides papillosus [obtained from infected rabbits]. 035008
Electrophoretic **analysis** of proteins of salivary glands and fat body in the development of Drosophila melanogaster. 039693
Electrophoresis of **blood** proteins, tissue of the mammary gland and milk in acrylamide gel. 034184
Genetically **controlled** *electrophoretic* variants of esterase in silver foxes [Fur bearing animals]. 034819
Method of *electrophoretic* **determination** of S-methyl methionine in plants. 037224
Disc *electrophoretic* analysis of cellular components derived from Fusobacterium necrophorum [Bovine hepatic abscesses]. 035014
Systems of **disc** *electrophoresis* for studying acid proteinases [Aspergillus awamori, fungi]. 036902
A **disc** *electrophoretic* study of the protein of susceptible, tolerant and resistant lucerne with reference to Verticillium [albo-atrum] wilt. 038668
A comparative study of preparations of ovine luteinizing hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and polyacrylamide **gel** *electrophoresis.* 033704
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella. Properties and specificities of the enzymes of **intermediate** *electrophoretic* mobility. 039639

Temperature of acrylamide polymerization and *electrophoretic* **mobilities** of nucleic acids [Plants]. 036760
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by *electrophoretic* **patterns** of cellulase, pectin-lyase, and acid proteinase [Fungi]. 037253
Polyacrylamide-gel *electrophoresis* of messenger ribonucleic acid extracted from cells infected with pig herpes virus 1. 035216
A study of the ribosomal proteins and subunits of pea seeds by the method of *electrophoresis* in **polyacrylamine** gel. 037648
Effect of alkaline cations on the *electrophoretic* **spectrum** of water-soluble proteins of tomato leaves. 037861

ELECTROPHYSICAL
Combined investigation of the thermophysical and *electrophysical* **properties** of porous media. 040816

ELECTROPHYSIOLOGY
An *electrophysiological* **analysis** of extra-axonal sodium and potassium concentrations in the central nervous system of the cockroach (Periplaneta americana L.). 039844
The significance of palpation by the maxillary palps of Locusta micratoria (L.): an *electrophysiological* and **behavioural** study. 039848
Electrophysiological and **histological** study of the splanchnic nerve fibers [Cats]. 033771
Relation between amylase release and changes in *electrophysiological* and **morphological** properties of cells in the exocrine pancreas. 033957
Electrophysiological **study** of connections between some subcortical nuclei and the cerebral cortex [Cats]. 033900

ELECTROSTATIC
The *electrostatic* **flow** meter [Water measurement]. 041330

ELEPHANTS
Exungulation of all extremities in a **female** *elephant* in consequence of a smallpox infection. 035155

ELLAGITANNINS
Constituents of Geranium thunbergii Sieb. Et Zucc. II. *Ellagitannins.* 1. 037782

ELMS
Rooting of cuttings from tops and stumps of **American** *elm* [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Growth of **Belgian** *elm* [Ulmus] in the coastal provinces of the Netherlands. 037929
Rooting of cuttings from tops and stumps of American elm [Ulmus americana to produce trees resistant to **Dutch** *elm* disease caused by Ceratocystis ulmi]. 038364
Fungicide injection for the control of **Dutch** *elm* disease [Ceratocystis ulmi]. 038618
Testing dosage rates of methoxychlor applied by helicopter for control of **Dutch** *elm* disease [Ceratocystis ulmi]. 038619
Study of the diseases of the **European** *elm* bark beetle, Scolytus scolytus F. in the Kosova area, Yugoslavia. 039381
Asexual propagation of hybrid [ornamental] *elms* [**Ulmus** pumila, Ulmus japonica]. 037831

ELONGATION
Localization of growth-inhibiting action of aluminium ions in *elongating* **cell** walls [Pea roots]. 037706
Characterization of *elongation* **factor** 1 from yeast [Saccharomyces cerevisiae]. 036779
Co-ordinate synthesis of ribosomes and *elongation* **factors** in the liver of immature chicks following a metabolic shift-up. 034066
Hormonal regulation of **hypocotyl** *elongation* in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778
Emergence and **organ** *elongation* of seedling of paddy rice sown under upland field condition as affected by specific gravity and weight of seed. 037542
Regular *elongated* strip fields and Frankish colonization: an investigation of their relations in the western areas of the Upper Rhine and in other German districts [Land, history]. 031185
A comparative study of the effects of photoperiod on flower bud development and **stem** *elongation* in three varieties of Phaseolus vulgaris, L. [Kidney beans]. 037630
Elongated **strip** field and previllage, a contribution to the land settlement geography of western Germany [History]. 031174
Elongated **strip** fields in old northwestern North Germany [Land settlement, history]. 031175

EMBRYO
Comparative study of Aujeszky's disease virus reproduction in cell and tissue suspensions of **avian** *embryos* [quail]. 035278
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from **chick** *embryo* tendons without activation of prolyl hydroxylase. 033786
Protein synthesis in homologous and heterologous cell-free systems from **chick** *embryo* connective tissues. 033811
Chondrocyte metabolism as affected by vitamin A [**Chick** *embryos].* 033843
Effect of proteases on activation of resting **chick** *embryo* fibroblasts and on cell surface proteins. 033855
Studies on avian erythrocyte metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in **chick** *embryos* and chicks. 033865
Effects of dibutryl cyclic AMP [adenosine-5'-monophosphate] on cultured brain cells from **chick** *embryos* of different ages. 033892
Vitamin B12 binding protein purified from the acid soluble fraction of **chick** *embryo.* 033992
A mechanical dissociation method for preparation of muscle cell cultures [**Chick** *embryos].* 034044
Polysomes from cultured muscle cells: the cell-free synthesis of myosin [**Chick** *embryos].* 034046
Stimulation of lactic acid production in **chick** *embryo* fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Cell proliferation in the developing wing-bud of normal and talpid3 mutant **chick** *embryos.* 034051
Histological aspects of the effects of vinblastine on the morphogenesis of the foot of the **chick** *embryo.* 034052
Morphogenesis of intestinal villi. II. Mechanism of formation of previllous ridges [**Chick** *embryos].* 034053
The ubiquitous occurrence of chondroitin sulfates in **chick** *embryos.* 034059
Interaction of multiplication-stimulating activity with **chick** *embryo* fibroblasts demonstrates a growth receptor. 034112
Is the early development of the **chick** *embryo* affected by the presence of various concentrations of antibiotics in the substratum? 034142
Haemopoietic responses in **chick** *embryos* to administration of steroid hormones: an system for the study in vitro. 034203
The action of thyroxine on the structure of the heart muscle cell mitochondria in prenatal ontogenesis [**Chick** *embryos].* 034217
Distribution of Lednice (Yaba 1) virus in the **chick** *embryo.* 034957
Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prowazeki by passages in cell culture [**Chick** *embryos].* 034958
Cytotoxicity of staphylococcal enterotoxins [**Chick** *embryos].* 035074
Studies on the response of ewes to live Chlamydiae adapted to **chicken** *embryos* or tissue culture. 035035
Propagation and characterization of Ranikhet (Newcastle) disease virus in **chicken** *embryo* fibroblast and kidney cell culture. 035084
Viral factors required for interferon induction by Newcastle disease virus in mouse macrophages and **chicken** *embryo* cells. 035112
Effect of [the acaricide] phthalophos on **chicken** *embryos* [Abnormalities]. 035455
Action of radiation given prior to and in the process of incubation on the growth and development of *embryos* and **chickens** and oviparity of hens [Radiation, injuries]. 034166
Meiosis and fertility of pollen in rye triploids obtained when **cultivating** *embryos.* 036705
Development of new forms of pear from *embryos* **cultured** in vitro. 037850
Development of the seed, endosperm and *embryo* in **Cynomoriumsongaricum** Rupr. (Cynomoriaceae). 036284
Investigation on fat quality of *embryo,* **endosperm** and crush fractions of maize kernel. 033304
The effect of temperature on the ultrastructure of the cells of the *embryos* of **Euonymus** europaea L. in the process of stratification and germination of seeds. 037898
Studies on stable and during early imbibition phases synthesized Poly(A)-RNA of Agrostemma **githago** *embryos.* 036926
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on maize seed germination and *embryo* **growth.** 038791
In vitro development of **haploid** *embryos* of Nicotiana tabacum cultivar Kentucky [Tobacco, tissue culture]. 037352
From "mother cow" to "brood cow". Some impressions of a visit to the world's **largest** *embryo* transplant center [Breeding]. 034715
Experimental study of visual projections specificity in microphthalm and **monophthalm** *embryos* and chickens of Gallus domesticus L. 033758
Freeze-fracture morphology of gap junctions in the trophoblast of the **mouse** *embryo.* 034086
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the *embryo.* 2. **Organized** embryo. 036274
Changes in isoperoxidases during cold treatment of dormant **pear** *embryo.* 037810
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the *embryo* **phase** up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
A reinvestigation of the development of the *embryo* **sac** in Gastrodia elata Blume (Orchidaceae). 036269
Deep freezing of **sheep** *embryos.* 034682
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) **solution[Chick** *embryos].* 033842
The use of Rompun for **surgical** *embryo* transfer procedures in cattle [Sedatives]. 034738
Loose smut [Ustilago nuda] of barley: the *embryo* **test** as a means of assessing loose smut infection in seed stocks. 038792
Continuous infusion of follicle stimulating hormone for follicular growth in *embryo* **transfer** heifers. 034722
Embryo **transplants** from exotic breeds [of beef cattle]. 034725
Chondrodystrophy: an inherited lethal condition in **turkey** *embryos.* 035345

EMBRYOGENY
Embryogenesis and **cone** growth in Cryptomeria japonica. 037902
Immunochemical analysid of water-soluble antigens of chick retina in the **course** of *embryogenesis.* 035106
Secretory activity of the sexual apparatus in swine and rabbit females at the period of fertilization and **early** *embryogenesis.* 034812
Isolation, culture, and induction of *embryogenesis* in **protoplasts** from cell-suspensions of Atropa belladonna. 036347
The developmental biochemistry of cotton **seed** *embryogenesis* and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. 037364
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and **somatic** *embryogenesis* in Antirrhinum majus tissue and cell cultures. 037775

EMBRYOLOGY
Studies on the *embryology* and **morphology** of the whip spider, Tarantula marginemaculata C. L. Koch (Arachnida, Amblypygi, Tarantulidae). 039951
A contribution to the floral anatomy and *embryology* of **Ochnaceae.** 036325

EMBRYONY
Rous sarcoma virus **activates** *embryonic* globin genes in chicken fibroblasts. 035188
Epidermal protein metabolism directed toward keratinization by hydrocortisone in the **chick** *embryonic* skin growing in a chemically defined medium. 033876
Scanning electron microscopic visualization of collagen fibers in *embryonic* **chick** skin. 033877
Development of excitability in *embryonic* **chick** skeletal muscle cells. 034045
Ultraviolet-induced alterations of beat rate and electrical properties of *embryonic* **chick** heart cell aggregates. 034063
Further characterization of procollagen messenger ribonucleic acid from *embryonic* **chick** tendon cells. 034201
Procollagen biosynthesis and polyribosome-membrane interactions in *embryonic* **chick** tendon cells. 034205
Embryonic **chicken** periosteum in tissue culture: osteoid formation and calcium uptake. 034141
Effects of diltiazem hydrochloride on *embryonic* **development:** species differences in the susceptibility and stage specificity in mice, rats, and rabbits. 035432
A rapid spectrophotometric method for the monitoring of *embryonic* **development** in ticks [Boophilus decoloratus] (Acarina: Ixodoidea). 039893
Comparison of **early** *embryonic* and differentiating cell surfaces: interaction of lectins with plasma membrane components [Chick blastoderm]. 033790
Endocrine activities of the blastocyst and **early** *embryonic* tissue in the pig. 034199
Behavioral adaptation in neonatal chicks **following** *embryonic* vestibular system rearrangement. 034058
Aseptic culture of soybean and **peanut** *embryonic* axes to improve phytosanitation of plant introductions [to control virus diseases]. 038939
Herbicides and fauna. III. Effects of herbicides on the *embryonal* and **post** embryonal development of Bufo vulgaris L. and enzymatic modifications in the larvae [Toxicity]. 039525
Cell-free synthesis of tubulin 1 and tubulin 2 on polysomes isolated **rom** *embryonic* chick brain. 033789
The *embryonic* **sex** hormones in birds [Chicks, ducks]. 033757
Superovulation and *embryonic* **survival** rates in beef cattle [Estrus]. 034736

EMILIA
Cooperation functions at Bernolda di Campagnola: a calf fattening **center** in *Emilia.* 033601

EMISSION
Heat preservation and *emission* from the **body** surface in the mink Mustela vison. 034248
Alfalfa silages in butyl hermetic cells lost by flow of juice and **gas** *emission.* 033508
Mushrooms as indicators of **mercury** *emissions* in the vicinity of a chlor-alkali plant. 041683

EMPETRACEAE
Empetrum **hermaphroditum** *(Empetraceae)* in Humboldt county, California. 036052

EMPETRUM
Empetrum **hermaphroditum** (Empetraceae) in Humboldt county, California. 036052

EMPIDIDAE
A new Palaearctic species of Syndyas [subsabinios] Loew from Spain, with synonymic notes on the genus Sabinios Jones (**Diptera,** *Empididae).* 039977
The dancing **flies**—*Empididae.* 040113

EMPLOYMENT
Antitranspiration **agents** *employed* with irrigation: efficiency and possibilities of use [Sorghum]. 041341
Regional significance of *employment* in **agriculture.** 031268
Migration and pollination: the best **bees** for the *job.* 040239
The encouragement of *employee* **creativity** and initiative. 032584
Employment in **Delaware,** 1954 to 1974 [Rural statistics]. 031745
Farm machinery and problems of *unemployment* in **developing** countries. 040540
Relative changes in prices received by farmers and hourly earnings of *employees* of **food** marketing firms. 031625
Communicating with *employees;* **giving** directions and orders that get results, part 2. 032573
Problem: how to **improve** *employee* morale; solution: switch to a four-day week. 032568
Cost of *unemployment* **insurance** for farmworkers in selected states. 031414
Genetic studies on European larch (Larix decidua Mill.) *employing* **isoenzyme** polymorphisms. 036495
Multiple *job* holding and leisure time [of farmers]. 031035
The effect of output changes on [rural] income, *employment* and **output** in Assumption Parish. 031439
A **'snow'** *job* for Utah youth [Soil conservation]. 041198
Graduates of forestry faculties of graduate schools and secondary forestry schools in Poland in the **years** 1954-1972, and their *employment.* 035489

EMPOASCA
Insects *[Empoasca* **devastans,** Empoasca kerri motti] and plant hosts [Castor, cotton]. 039255

EMULSIFIERS
Thin layer chromatography identification of calcium- and sodium stearoyllactylate in addition to other *emulsifiers* in **food.** 032861

EMULSION
Changes in the physical properties of soil under the influence of mulching with **bituminous** *emulsion* and the significance of this treatment for early potato culture. 041189
The application of **wax** *emulsion* to reduce losses on long-term storage of apples. 033379

ENAMEL
Efficiency of *enamel* **varnish** insulation on stator windings during operation of electric pumps in water [Farm equipment]. 040392

ENCEPHALARTOS
Carcinogenic and neurotoxic components in the **cycad** *Encephalartos* altensteinii, Lehm. (Family Zamiaceae). 037301

ENCEPHALITIS
Aedes hendersoni: failure of laboratory-infected mosquitoes to transmit LaCrosse virus **(California** *encephalitis* group). 039473
The role of mammals in natural foci of tick-borne [Ixodes ricinus] *encephalitis* in **Central** Europe. 039457
The production of hemagglutinin of Japanese B *encephalitis* **virus** in tissue cultures [Veterinary microbiology]. 035016

ENCEPHALOMYELITIS
A contribution to histological picture of **avian** *encephalomyelitis* in central Slovakia. 035258

ENCEPHALOMYOCARDITIS
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and *encephalomyocarditis* **viruses.** 035291

ENCYRTID
Observation on the biology and seasonal abundance of an *encyrtid* **wasp** [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. 039483

ENCYRTIDAE
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: *Encyrtidae)* into **Israel** for the control of the Rhodesgrass scale, Antonina graminis (Maskell) (Homoptera: Pseudococcidae). 039292
Pseudencyrtoides cupressi Gordh et Trjapitzin, gen, et sp. n., a new genus and a new species of encyrtids (Hymenoptera, Chalcidoidea, *Encyrtidae)* from **North** America. 040056

ENCYRTUS
Morphological and biological adaptations of the imaginal phase of *Encyrtus* **infidus** Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Influence of adaptational reactions of *Encyrtus* **infidus** Rossi (Hymenoptera, Chalcidoidea) on its host Eulecanium caraganae. 039969

ENDEMIC
The *endemism* and **fauna** formation of Grylloidea (Orthoptera) in Central Asia [USSR]. 040163
Endemic **goiter** and antithyroid agents. 032420
Winter hardiness of *endemic* and **introduced** [ornamental and fruit] trees in the southern Far East. 037856
A comparison of Senecio kirkii (New Zealand) and Senecio insularis (Lord Howe Island) with **Senecios** *endemic* to the Island of St Helena. 036063

ENDIVE
Chemical weed control in coffee **chicory** and *endive.* 039186

ENDOCARDIUM
Vegetative *endocarditis* in a cow [Cornyebacterium pyogenes]. 035088

ENDOCRINE
Endocrine **activities** of the blastocyst and early embryonic tissue in the pig. 034199
Endocrine **activity** during caste differentiation in Zootermopsis angusticollis Hagen (Isoptera): a morphometric and autoradiographic study. 039661
The *endocrinology* of **adult** protein-calorie malnutrition. 032431
The *endocrinologic* **changes** of gestation and parturition in the sheep. 034545
Endocrine **control** of caste differentiation in Zootermopsis angusticollis Hagen (Isoptera). 039662
Thyroid function in **feline** *endocrine* alopecia. 035338
Intracellular control mechanisms regulating secretion by exocrine and *endocrine* **glands.** 033939
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on *endocrine* **glands** and reproductive organs [Injuries]. 035413
The *endocrine* **glands** of Chironomus thummi Kief. During larval development and metamorphosis. 039933
Effects of active immunization with steroids on *endocrine* and **reproductive** functions in male animals. 034639
Comparative primate **reproductive** *endocrinology:* advancements important in domestic breeding programs. 034712
The *endocrine* **system** [Cats, diseases]. 035319

ENDOCUTICLE
Distribution of lipid in the **lamellate** *endocuticle* of Rhodnius prolixus (Hemiptera). 039825

ENDOGENY
Free amino acids of the human blood serum with *endogenous* **alimentation.** 032487
Clearance of *endogenous* **creatinine** and urea in pregnant women with late toxemia kept on a diet containing different amounts of protein. 032481
Redistribution of *endogenous* **cytokinins** in geotropically stimulated **Ribes nigrum** [currant] roots and shoots. 037886
The relationship between *endogenous* and **exogenous** factors in the **regulation** of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Effect of synthetic growth substances on *endogenous* **growth** regulators during organic dormancy of grape. 037665
Effect of antibiotics & fungicides on *endogenous* **mycelial** respiration & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Double-headed protease inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the *endogenous* **protease** by affinity chromatography. 037768
Endogenous **toxic** factors in oil seed residues. 033520

ENDOMETRIUM
Cystic hyperplasia-pyometra complex: focal **neoplastic** *endometrial* **hyperplasia** in older bitches. 035353
Carbohydrate metabolism in **sheep** *endometrium* during early pregnancy. 033875

ENDOMYCOPSIS
Regulation of biosynthesis of amylolytic enzymes from *Endomycopsis* **fibuligera** str. 20-9 [Yeasts]. 037228

ENDOMYCORRHIZAE
Occurrence of *endomycorrhizas* in **soils** of the Mackenzie Basin, Canterbury, New Zealand. 040701

ENDOSPERM
Scanning electron microscopy of the *endosperm* of **cereal** crops. 3. Starch cell layer of white-core rice. 033195
Scanning electron microscopy of the *endosperm* of **cereal** crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Investigation on fat quality of embryo, *endosperm* and **crush** fractions of maize kernel. 033304
Changes in the activity of enzymes involved in the *endosperm* **dissolution** during barley germination. 037535
Development of the seed, *endosperm* and **embryo** in Cynomoriumsongaricum Rupr. (Cynomoriaceae). 036284
Study of some factors influencing the formation of *endosperm* and **endospermous** haustoria with Ocimum basilicum L. 036359
In vitro cultures of **maize** *endosperm*—a model system for studying in vivo starch biosynthesis. 037389
Differences in the rate of mitotic transformation of chromosomes in the *endosperm* of some **monocotyledonous** plants [Irispumila, Lilium davidii, onions]. 036364
Stand, early growth and plant and ear height of *endosperm* **mutants** and normal maize hybrids under field conditions. 036715
Purification and characterization of lipolytic acyl-hydrolases from **rice** *endosperm.* 033250
Genetic control of sterol esterification in developing **wheat** *endosperm.* 036393
Vitality test on aleurone cells of the *endosperm* of **Zea** mays (aleurone-tetrazolium test) [Corn]. 037563

ENDOSYMBIOSIS
A comparison of DNA from free living and *endosymbiotic* **Rhizobium** leguminosarum (strain PRE) [Peas]. 037649

ENDOTHELIUM
Biosynthesis of basement membrane collagen by rabbit **corneal** *endothelium* in vitro. 034037

ENDOTHIA
The low resolution structure analysis of an acid proteinase from *Endothia* **parasitica** [Fungi]. 037059

ENDOTOXINS
The effect of *endotoxin* upon **retention** and intracellular liver distribution in rats. 035431
Effect of accute infection and *endotoxemia* on **zinc** absorption in the rat. 032451

ENERGY
Prediction of time of hydration during parboiling of paddy from **activation** *energy.* 033268
Substitution of labour and *energy* in **agriculture** and options for growth. 031362
The influence of the method of preservation of forages on the digestion in dairy cows. 2. Digestion of organic matter, *energy* and **amino** acids in forestomachs and intestines. 034119
Agriculture and *energy* **balance** [Food production and consumption]. 031841
Measurement of cutaneous heat exchanges in swine reared under shelter by means of the *energy* **balance** method. 033751
Methods for determining **biological** *energy* balances of soil organic matter. 040828
Cellular *energy* dependent agglutination of rat ascites tumor cells mediated by concanavalin A and Ricinus communis agglutinin. 036809
Energy **conservation** for greenhouses. 040352
Energy **conservation** on the home grounds: the role of naturalistic landscaping. 041498
Changes in the nutrient and *energy* **content** in defined parts of the veal calf. 032512
The mechanism of *energy* **conversion** in photosynthesis [Bluegreen **algae, hoigher plants].** 037257
Outcome of the *energy* **cost** explosion in relation to our position in international horticultural competition. 2. 031923
Proceedings in developing technics in respect of increasing labour and *energy* **costs** in farm production. 031347
Food, feed, and *energy* **[Costs].** 031426
Food production and the *energy* **crisis.** 031301
Can agriculture provide an answer to the U.S. *Energy* **crisis?** [Fuel]. 031907
Energy options for the future: "The *energy* **crisis"** [Fuel]. 040385
Energy and **crude** fiber content of feed and fertility disorders in cows. 034507
Prediction of the **digestible** *energy* in pig diets from analyses of fibre contents. 034273
The effect of dietary concentrations of **digestible** *energy* on the performance and carcass characteristics of early-weaned pigs. 034277
Energy **dissipation** and photosynthesis in nitrogen and phosphorus nutrition [Sunflowers]. 037582
Energy and **economic** problems of air conditioning in plants for industrialized fattening. 040318
Role of food industry research in the tasks of *energy* **economics.** 032786
Fiber and other unavailable carbohydrates and *energy* **effects** in the [human] diet. 032282
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of dairy cows: *energy* **efficiency,** digestive and metabolic aspects. 034288
Optimation of stand-by power packs [**Electric** *energy,* animalproduction]. 040323
Lignocellulose batteries: potential sources of stored **electrical** *energy.* 035883
Gas-energy **exchange** in swine when there is a change in feeding norms. 034521
Energy **exchange** in cotton in relation to its resistance to Fusarium wilt. 038802
Growth of broilers and the utilization of the *energy* of **feed** as effected by the addition of DL-triptophane. 034492
The amide hydrogen bond in *energy* **functions** for peptides and proteins. 032835
Energy **ideas** that work. 032665
A comparison of supplementary sources of nitrogen and *energy* for **increasing** the voluntary intake and utilization of barley straw by sheep. 034398
Potassium concentration in bovine muscle as influenced by carcass location, breed, sex, *energy* **intake,** age and shrunk body weight. 033089
Energy **metabolism** in children with protein calorie malnutrition (PCM). 032276

Current knowledge on the *energy* **metabolism** and the secretory mechanism of the eccrine sweat glands. 033933
Furfurol influence on the *energy* **metabolism** of fodder yeast [Candida tropicalis]. 037220
Interrelation of water state and *energy* **metabolism** of winter wheat leaves. 037417
Energy **migration** from photoreceptors of green region light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
The use of fats and oils as a source of *energy* in **mixed** feeds [Chickens]. 034373
A note on the retention of *energy* and **nitrogen** in rabbits. 033739
Energy **options** for the future: "The energy crisis" [Fuel]. 040385
Sambo's **pioneers** *energy* research. 032659
Experiments to improve the exploitation of the *energy* **potential** of the fodder by speeding its passage through the intestine. 034335
Application of the *energy* **principle** to determine the amount of vegetation consumed by Orthoptera in the mountain pastures of eastern Georgia. 036249
Energy and **protein** requirements: recommendations by a joint FAO/WHO informal gathering of experts. 032229
Energy and **protein** requirements - recommendations by a joint FAO/WHO informal gathering of experts. 032439
Energy-dependent **release** of adenine nucleotides tightly bound to chloroplast coupling factor CF [Spinach]. 037695
Problems of feeding high yielding cows according to *energy* **requirements.** 034340
Energy **requirements** in new agricultural technology. 040334
Energy and **resource** conservation needed report of the American Society of Hospital Food ServiceAdministrators' eighth annual meeting. 032649
Agricultural production and *energy* **resources** [Fuels]. 040336
One instrument of the *energy* **revolution:** the hot air pump [for buildings]. 040381
Profitable production of potato in feebly alkaline soil by application of *energy* **rich** materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Rising *energy* costs imperil East Europe's import growth. 031610
Saving *energy* [Horticulture]. 031383
Double-headed protease inhibitors from black-eyed peas. VI. **Singlet-singlet** *energy* transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
The *energy* **situation** and outlook for the poultry and egg industries. 031901
Uderground heating of crops and **solar** *energy* storage. 040335
How **solar** *energy* can benefit agriculture [Greenhouses]. 040342
Solar *energy* in the service of agriculture. 040366
Forests as *energy* **sources** in the year 2000: what man can imagine, man can do. 035479
The *energy* **spectrum** of a relatively large kilocurie 60Co [cobalt isotope] source used in agriculture. 031087
Effect of level of **supplemental** *energy* fed grazing steers on performance during the pasture and subsequent drylot period. 034406
Energy-dispersive **X-ray** analysis on thin sections and unimpregnated soil material. 040707

ENGINEERING

Project-planning as a vital prerequisite to the erection of plants [**Agricultural** *engineering].* 040326
Concerning false documentation which submerges us [**Agricultural** *engineering].* 040338
Agricultural *engineering* and productivity [Farm mechanization]. 040397
Random formation of measuring chains in the construction of **agricultural** *engineering* plants. 040327
Engineering **aspects** of dryland farming. 040333
Engineering **aspects** of the coagulation of colloidal particles in natural waters. 041634
Application of computer codes to phase-change problems in **food** *engineering.* 032738
Engineering **forecasting** and the measures for preventing water erosion of soils. 041155
On the 50th anniversary of the Faculty of Mechanical Wood Technology of the Order of Lenin S. M. Kirov Leningrad **Forest** *Engineering* Academy. 035486
Patent-statistics research [**Forest** *engineering].* 035585
The role of ground improvement in **foundation** *engineering* [Soil mechanics]. 040591
Cecidia—a natural example of **"genetic** *engineering"* [Plant galls]. 039026
Photogrammetric survey of [waterfree] channel reds in experimental **hydraulic** *engineering* at the University of Karlsruhe. 041314
Theoretical *engineering* aspects of microclimate in stables. 040378

ENGINEERS

Forest industries and **chemical** *engineers.* 035854
General meeting of the Swiss Association of Agronomic and **Food** *Engineers* on May 30 and 31, at Morat. 040341
Work with the personal creativity of *engineers* at the **state** farm Weimar, agricultural machinery. 040448

ENGINES

Effect of the dynamics of the squirting process on the operation of the **Diesel** *engine.* 040409
Causes of failure and characteristics of reliability of four-cycle **diesel** *engines* selected for vehicles. 040413
Intervals of oil renewal and filter cleaning when using rotamol MD 302 in the *engine* **JaMZ** 238 NB of the K-700 tractor. 040427

ENNOMINAE

Distributional notes on some *Ennominae* from **Baja** California, with descriptions of new species (Lepidptera, Geometridae). 039982

ENOL

Microbial hydroxylation of steroidal delta 3,5 *enol* **acetates** [Rhizopus arrhizus, fungi]. 037292

ENTAMOEBA

Effect of host's nutrition [Rabbits] on immune response to amoebic antigen & on susceptibility to infection with *Entamoeba* **histolytica.** 035075

ENTERIC

Necrotic *enteritis* in broiler chickens. III. Reproduction of the disease [Clostridium perfringens]. 035033

ENTEROBACTERIACEAE

Studies on the estimation of the hygienic condition of frozen broiler chickens [Escherichia **coli,** *Enterobacteriaceae].* 032088
A comparative study between the pour plate method and the method of the most probable number (M.p.n.) for the enumeration of coliforms, *Enterobacteriaceae* and **fecal** coli in. 032109
Verification of some combined tests on media for *enterobacteria* [**Food** contaminating bacteria]. 032144
The molecular relatedness of R factors in *enterobacteria* **ofhuman** and animal origin. 035107

ENTEROPATHY

Adhesive properties of *enteropathogenic* **bacteria** [Animal diseases]. 035146

ENTEROTOXEMIA

Enterotoxemia [**Clostridium** welehii type D] outbreaks in sheep in Haryana. 035083
Prevention of **coli** *enterotoxemia* in weaned swine [Edema disease]. 035212

ENTEROTOXINS

Cytotoxicity of **staphylococcal** *enterotoxins* [Chick embryos]. 035074
Conditions for production of **staphylococcic** *enterotoxin* in foodstuffs [Contamination]. 032138
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against *enterotoxic* **strain** of Escherichia coli O55 in germfree piglets. 035064

ENTEROVIRUSES

A new form of swine vesicular diseases *[enteroviruses]* and **measures** for their prevention. 035097
Study of the resistance to trypsin of **swine** *enteroviruses.* 035277

ENTOBAKTERIN

Use of Trichogramma and *Entobakterin* for [**biological**] control of the codling moth [Carpocapsa pomonella, pest of apples]. 039368

ENTOMOLOGISTS

Boris L'vovich **Astaurov** (1904-1974) *[Entomologists].* 039925
Prof. Dr. Karl **Eidel** *[Entomologists].* 039728
Obituary: Harrold W. **Forster,** 1909-1974 *[Entomologists].* 039704
The [John Henry] Comstock **heritage** *[Entomologists].* 039787
In memory of A. L. **Kurentzov** (1896-1975) *[Entomologists].* 039712
"Layd" Glanville **revisited** *[Entomologists].* 039720
Friedrich Lenz, September 14, **1889-September** 7, 1972 *[Entomologists].* 039626
The Comstocks [John Henry and Anna Botsford Comstock] and Cornell: in the people's **service** *[Entomologists].* 039620

ENTOMOLOGY

Entomological **impressions** from Ladakh (Northwest India). 039727
Practical 35mm close-up **photography** in *entomology.* 039651
An *entomological* contribution to the **problem** of fly-infected meat. A few biological data on Piophila and Calliphora. 031996
Proposals on the classification and nomenclature of ranges [Biogeographical **regions,** *entomology].* 040072
Soybean *entomology* [Pests]. 039258

ENTOMOPATHOGENIC

Genetics and selection of the *entomopathogenic* **fungus** Beauveria bassiana (Bals.) Vuill. III. Study of heterokaryosis. 036676
Variants of artificial infection of Culex modestus larvae with the *entomopathogenic* **fungus** Coelomomyces iliensis. 039895
Genetics and selection of the *entomopathogenic* **fungus** Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. 039916

ENTOMOPHAGOUS

Phoresy among *entomophagous* **insects** [Biological control]. 039204

ENTREPRENEURS

Theory and practice of operational goals. Results of analysis of goals of *entrepreneurs* in **horticulture.** 031147

ENVIRONMENT

The transmission and effect on yield of rye grass mosaic virus in a filtered **air** *environment.* 038880
Evaluation and interpretation of diversity measures as biological indices of pollution **and/or** *environmental* change in aquatic systems. 041572
Organochlorines in the **aquatic** *environment.* 041515
The importance of systems management in *environment* **assessments.** 041586
The effect of *environment* on **beekeeping** of Israel. 040228
Water quality data collection programs: *Environment* **Canada.** 041337
Impact of **certain** *environmental* conditions upon the growth and development of Scots pine (Pinus silvestris L.) seedlings. 037937
Effect of *environmental* **conditions** on the degradation of DDT in model marine ecosystems. 039580
Study of geologic and *environmental* **conditions** of the "Rupi" in Ancona [Natural resources, conservation]. 041484
The role of forestry in *environmental* **conservation** and areal development. 035546
The prospects of using aerial survey for the purpose of [land] reclamation and **conservation** of *environment.* 041156
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by microorganisms *[Environmental* **contamination].** 039557
The implications of genetic, physiological and *environmental* **control** of chloroplast ultrastructure to the optimization of photosynthetic activity. 036974
The economics of waste heat utilization for **controlled** *environment* [greenhouse] production of agricultural products [Costs]. 031437
The temperature-gradient tunnel: a versatile **controlled** *environment* [for the study of plant growth]. 036763
Effects of daylength, temperature and nitrogen level on the heading of rice plants under the **controlled** *environments.* 037540
Influence of temperature change on wood formation in Pinus radiata grown in **controlled** *environments.* 037928
Controlled *environment* is there such a thing? [Buildings]. 040384
Microenvironmental **design** [Horticulture]. 038274
Environmental and **economic** impact of nutrient management on the New York dairy farm [Agricultural pollution]. 041658
Outdoors study multiplies in Mobile *[Environmental* **education].** 041662
Malnutrition and *environmental* **enrichment** by early adoption. 032456
Environment and **extension** of the green cover [Honey plants]. 038558
Environment and **extension** of green cover [Natural resources, honey plants]. 041672
The activity of alpha-amylase in the ripening grain of different rye varieties as affected by some *environmental* **factors.** 037505
Influence of *environmental* **factors** on bud burst, inflorescences, fertility, and shoot growth of vines. 037882
The *environment* and **function** of insect nerve cells. 039778
Laboratory apparatus for conducting experiments on investigation of plant objects in a regulated **gas** *environment.* 037279
A new look at *environment* and **gastric** cancer. 032035
A data acquisition and analysis technique for developing a synoptic presentation of hydrothermal field survey data [**Impact** on the *environment].* 041560
Economic and *environmental* **impacts** of sagebrush [Artemisia]control on Utah's rangelands —a review and analysis [Costs]. 039178
State of the *environment* and its **implications** to resource policy development. 041495
Behavior of sugarcane clones (genotypes) under natural and **induced** *environmental* stimulus [Genetics]. 036632
Environmental **influences** on cuticle development and resultant foliar penetration. 036836
Adaptations of chironomids [Chironomidae] to **intertidal** *environments* [Geographical races and speciation]. 039616
Control of land salinization and conservation of the *environment* [**Irrigation**]. 041255
Radiation doses from iodine-129 [**isotope**] in the *environment.* 041524
Management of **large-scale** *environmental* modeling projects. 041542
Effects of baled solid waste disposal in the **marine** *environment*—a descriptive model [Water and air pollution]. 041470
Problems in aquatic ecosystems, with special reference to heavy metal pollution of the **marine** *environment.* 041517

Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and *environmental* **modification** of a gene-for-gene relationship. 038592
Strategies for **monitoring** *environmental* impacts on the upper Mississippi River. 041585
Combined effect of the genotype and the *environment* on **performance** characteristics in pigs. 034624
Qualitative values in the landscape *[Environmental* **planning].** 041552
New Upper Colorado *[Environmental]* **Plant** Center focuses on native plants for reclamation. 041201
Biological studies on *environmental* **pollution** by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, Iris and Crocus. 039013
The project of the Swedish forest industry for the protection of the *environment* [against **pollution**]. 041500
Fertilizers, *environmental* **pollution**—Indian case analyzed. 041523
Environmental **[pollution]** aspects of fatty acid distillation. 041655
Environment **preservation** and protection of natural marshlands through the development of pisci-culture. 041668
Environmental **problems** in the meat industry [Waste disposal]. 041589
Plan of coordination of research in the field of agriculture and forestry in connection with *environmental* **protection.** 031122
Data acquisition systems for remote underwater monitoring platforms *[Environment* **protection].** 041569
Environmental **protection:** government priority. 041594
Plan for *environmental* **protection** in Trondheim. 041613
Analytical chemistry in the service of *environmental* **protection.** 041666
Ecology: never having to say you're sorry *[Environmental* **protection].** 041682
Effect of temperature factor on sunflower growth and productivity in **regulated** *environments.* 037413
Environmental **regulation** of the population size of the oak leaf roller moth (Tortrix viridana L.) in the Niepolomice Forest. 039384
Quality of the *environment* **[Research** projects, Italy]. 041601
Behavior of ten soybean varieties in different *environments* of **Rio** Grande do Sul State. 038005
Responsility of farmers in the creation of non agricultural work in **rural** *environment.* 031241
Workshop on fluid penetration in wood [Held at College of *Environmental* **Science** and Forestry, Syracuse, N. Y. November 12, 13, 1973]. 035902
Studies of [plant] transpiration in relation to the *environment.* 6. **Simulation** of transpiration produced by change in air-humidity. 037098
Mercury in *environment* of **southern** Lower Saxony. 041621
The *environmental* **statistics** law [Water and soil pollution]. 041679
Growth of some caribou lichens of the genus Cladonia (subgenus Cladina) in a **subarctic** *environment* in New Quebec. 037130
The grazing feed intake of Hereford and Brahman cross cattle in a cool **temperate** *environment.* 034403
Research to improve **transit** *environments* for western lettuce. 031671
Irrigation requirements of maize in a **tropical** *environment.* 041217
The response of woody species to air pollutants in an **urban** *environment.* 039017
Insect-tree relationships in the **urban** *environment* [Diseases, pests]. 039352
Wastewater renovation and reuse: **urgent** *environmental* need. 041502
Sampling of the **visual** *environment* by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795

ENZOOTIC

Observations concerning the relationship between some epizootologic factors and the frequency of lesions in **pig** *enzootic* pneumonia. 035191
On causes influencing development of *enzootic* **pneumonia** in pigs. 035267
Aerosols of certain preparations in cases of *enzootic* **pneumonia** in swine. 035276

ENZYMES

Leucine aminopeptidase (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on **activation** of the *enzyme.* 034041
Comparison of the catalytic properties of [bovine] thrombin and trypsin by kinetic analysis on the basis of **active** *enzyme* concentration. 034023
Specific effects on *enzyme* **activities** upon dilution of Petroselinum hortense cell cultures into water. 036787
Pathochemical studies on Rhizoctonia disease. VI. *Enzyme* **activities** presumably related to production of phenylacetic acid by Rhizoctonia solani. 038734
Enzyme **activity** in kidney, adrenal and gonadal tissue of rats treated neonatally with androgen or oestrogen. 034055
Study of the *enzymatic* **activity** of human and anaimal serum cystine aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium [Sheep, cattle]. 034225
Genetic polymorphism and *enzyme* **activity** of plasmic alkaline phoshatase in the water buffalo. 034607
Genetic variation in *enzyme* **activity** of tall fescue [Festuca arundinacea] leaf blades. 036428
Enzyme **activity** changes during cyclic AMP [adenosine monosphosphate]-induced stalk cell differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. 037048
Changes of *enzymatic* **activity** in apple seeds under the influence of stratification. 037859
The persistence and toxicity of pesticides in relation to *enzymic* **activity** [in vertebrates and insects]. 039584
Isozymes patterns and *enzyme* **activity** of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Enzyme **activity** in soils at subzero temperatures. 040796
Regulation of biosynthesis of **amylolytic** *enzymes* from Endomycopsis fibuligera str. 20-9 [Yeasts]. 037228
The effects of pregnancy and lactation on the activities in rat liver of some *enzymes* **associated** with glucose metabolism. 033816
Enzymatic **basis** for DDE-induced eggshell thinning in a sensitive bird. 039582
Free amino acids of *enzymically* **brightened** [fruit] juices. 033439
Nonenzymic **browning.** XIV. Reaction of phospholipids with 1,4-benzoquinone. XIV. Reaction of phospholipids with 1,4-benzoquinone. 032922
Certain **carbohydrate-metabolism** *enzymes* in the nodules of yellow lupine. 037354
Regulatory action of blue light on the activity of **carboxylating** *enzymes* and enzymes of the glycolate pathway in broadbean and maize plants. 037449
Effect of GAL4 gene dosage on the level of galactose **catabolic** *enzymes* in Saccharomyces cerevisiae [Yeasts]. 037011
Localization of *enzymes* in the **cell** walls of Neurospora crassa [Fungi]. 036993
The role of zinc in the activation of the *enzyme* **cellulase** in termites [Microtermes tragardhi]. 039742
The change of protein substances and the activity of **certain** *enzymes* of wine in the process of continuous champagnization. 033474
The intracellular digestive apparatus of cultured chicken heart cells. A morphological, *enzyme* **cytochemical,** and morphometriec study. 034247
Enzymatic **destruction** of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). 037116
Enzymic **disintegration** of pectines in the presence of amino acids and proteins [Aspergillus niger, Fungi]. 037218
Guinea pig liver L-asperaginase. Separation, purification, and intracellular localisation of two **distinct** *enzymatic* activities. 033798
Erythrocyte *enzyme* activities and glutathione levels of the horse, cat, dog and man. 033867
Genetic polymorphism of the **erythrocytic** *enzymes* ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606
Specific binding of invertase of the medium by yeast [Saccharomyces cerevisiae] cell surface during the regulation of **formation** of the *enzyme.* 036912
The invivo effects of phytohemagglutinins on ATPase [adenosine triphosphatase] and **fumarase** *enzymes* in the rat. 034197
Correlations between quantitative characters and *enzyme* **genotypes** in Avena barbata [Oats]. 036486
Regulatory action of blue light on the activity of carboxylating enzymes and *enzymes* of the **glycolate** pathway in broadbean and maize plants. 037449
The experience of using the **heterogenous** *enzymatic* catalysis in wine and juice production. 033479
The effects of ductal ligation on the parenchyma of salivary glands of cat studied by *enzyme* **histochemical** methods. 033918
Use of the method of "diffusion capsules" for studying the patterns of synthesis of some **hydrolytic** *enzymes* by microorganisms [Trichoderma lignorum]. 037004
Activity of *enzymes* **hydrolyzing** nonstarch polysaccharides in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). 033148
Soil as a system of humus and clay **immobilized** *enzymes.* 040574
Reliability of the *enzyme-linked* **immunosorbent** assay (ELISA) for the serodiagnosis of Trichinella spiralis infections in conventionally raised pigs. 035118
Genetic approaches to *enzyme* **induction** in mammalian cells and hybrids in culture. 034582
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella. Properties and specificities of the *enzymes* of **intermediate** electrophoretic mobility. 039639
Changes in the activity of *enzymes* **involved** in the endosperm dissolution during barley germination. 037535
Effect of the nitrogen source on the activites of **key** *enzymes* of carbohydrate metabolism in cultured plant cells in vitro [Acer pseudoplatanus]. 037939
Physiological study of ergot [Claviceps fungi]: induction of alkalois synthesis by tryptophan at the *enzymatic* **level.** 037012
Purification and properties of bovine uterine glutamic dehydrogenase: a comparison with the **liver** *enzyme.* 033987
Some physical characteristics of the *enzymes* of **L-tryptophan** biosynthesis in higher plants [Peas and maize compared to fungi and algae]. 037204
Pig heart mitochondrial ATPase [adenosine triphosphate]: properties of purified and **membrane-bound** *enzyme.* Effects of flavonoids. 033821
Hepatic drug **metabolizing** *enzymes* and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Herbicides and fauna. III. Effects of herbicides on the embryonal and post embryonal development of Bufo vulgaris L. and *enzymatic* **modifications** in the larvae [Toxicity]. 039525
Nucleotide-metabolizing *enzymes* in Chlamydomonas [reinhardi] flagella [Algae]. 037020
Effects of venom from the scorpion Heterometrus fulvipes **onsome** *enzyme* systems of sheep brain. 035448
Change in activity of certain **oxidative** *enzymes* in apples and pears during growth and ripening. 037719
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate **oxidizing** *enzymes* [Algae]. 037153
Study of proteins and some *enzymes* of **pancreatic** juice in swine by the method of disc elctrophoresis in polyacrylamide gel. 034191
Redox dependence of **papain** *enzyme* activity on charged kaolinite surfaces and in solution [Clay minerals]. 040801
Pectic *enzymes* in wine. 033469
Pectic *enzyme* effects on red grapes. 037626
Properties of polysaccharides liberated from cell wall-materials during the macerating action by **pectolytic** *enzyme,* endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Enzymes of **pentose** biosynthesis. The quaternary structure and reacting form of transketolase from baker's yeast [Saccharomyces cerevisiae]. 036781
A **possible** *enzymic* assay for trichothecene mycotoxins in animal feedstuffs. 033580
Activity of enzymes hydrolyzing nonstarch polysaccharides in *enzyme* **preparation** used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). 033148
Effect of *enzyme* **preparation** addition to mixtures for early weaned piglets and broiler chickens. 034535
Gel-chromatographic fractionation of the *enzyme* **preparation** awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. 036772
Conditions for splitting protodioscine, the main glycoside from Tribulus terrestris L. by the *enzymic* **preparation** of Aspergillus niger BKMt-33 [Fungi]. 037210
Thermal and hydrogen-ion concentration stability of the *enzymic* **preparation** of hemicellulase from Aspergillus awamori 16-4E [Fungi]. 037232
Dynamics of the hydrolysis of barley beta-glucan under the action of various *enzyme* **preparations.** 033152
Experience in the use of *enzyme* **preparations** in livestock nutritions [Chickens, turkeys, swine]. 034393
Metals-microelements and their role in *enzymatic* **processes** [in plants]. 036734
Changes in the activities of *enzymes* and the **protein** content of yeasts [Candida guilliermondii] in relation to the residual hydrocarbon levels in the biomass. 036769
Methods for avoiding proteolytic artefacts in studies of *enzymes* and other **proteins** from yeasts [Saccharomyces cerevisiae]. 037107
Ability of the species of Geotrichum candidum to produce **proteolytic** *enzymes.* Additional note [Cheese manufacture]. 032983
The digestion of the glycoprotein from pig gastric mucus with pepsin and other **proteolytic** *enzymes.* 034209
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of **proteolytic** *enzymes* and ethylene glycol tetraacetic acid (EGTA). 034986
Torula thermophila [yeast] strain UzPT-1, thermophilous producer of **proteolytic** *enzymes.* 037234
Differential cleavate of Physarum [Fungi] DNA from distinct points of S phase by **restriction** *enzyme* Eco RI. 036930
Restriction *enzyme* digests of the heavy nucleolar satellite deoxyribonucleic acid of Physarum polycephalum [Fungi]. 037313
Enzymic **saccharification** of bagasse [by Trichoderma viride, fungi]. 033267
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on *enzyme* **secretion** and calcium movements in rabbit pancreas. 033812
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and *enzyme* **secretion** by the pancreas [Cyclic adenosine monophosphate]. 033944
Behaviour of certain **serum** *enzymes* in sows in perinatal periods. 034744
Behaviour of certain **serum** *enzymes* in sows during birth. 034745
Ubiquity of some **soil** *enzymes* and isolation of soil organic matter with urease activity. 040637
The effect of the prosthetic group of horseradish peroxidase on the **stability** of the *enzyme.* 036806
Effects of asparagusate and lipoate on *enzymes* of the **tricarboxylic** acid cycle and related metabolic pathways [Asparagus]. 037764
Enzyme **variation** in Eimeria species of the chicken [Coccidiosis]. 035178

ENZYMOLOGY

Enzymology of **flavonoid** biosynthesis [Plants]. 036797

Carotenoids, aspects of biosynthesis and *enzymology* **[Plants].** 036793

EOSENTOMON

Seasonal distribution of Protura in three Delaware forests *[Eosentomon* **vermiform,** Acerella]. 039709

EPHEDRA

Ephedra **pollen** mimicry by unidentified Pleistocene plant stomata. 036115

EPHEMEROPTERA ***see*** **PLECTOPTERA**

EPICUTICLE

Incorporation of lipid into the *epicuticle* of **Rhodnius** (Hemiptera). 039826

EPIDEMIC

The fire brigade stops a raging **corn** *epidemic* [Blight, Helminthosporium maydis]. 038832
The catastrophe also started in Switzerland 100 years ago: the course of the vine louse [Phylloxera **vastatrix]** *epidemic.* 039363

EPIDEMIOLOGY

The *epidemiology* of **breast** feeding [Nutrition, immunity]. 032474
The *epidemiology* of **common** root rot [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on subcrown internodes and the effect of added phosphate. 038587
Note on *epidemiology* and **control** of popular [Populus nigra]leaf rust [Melampsora laricipopulina]. 038753
Epidemiological and **dietary** aspects of rickets and osteomalacia. 032449
Landscape *epidemiology* (epizootiology) [Infectious diseasesof domestic and wild animals]. 034964
Epidemiological **observations** on leaf spot (Cercospora sp.) of black gram [Mungo beans]. 038686
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the *epidemiology* of **Rocky** Mountain Spotted Fever. 039482
Epidemiological **studies** on horses infected with nematodes of the family Trichonematidae (Witenberg, 1925). 035092
Epidemiological **studies** on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as well as in foods and effluents. 035214
Application of **two** *epidemiological* models for the identification of slow stem rusting [caused by Puccinia graminis tritici] in wheat [varieties of varying susceptibility]. 038762
Epidemiology of **Vibrio** parahaemolyticus infection in humans[Raw fish, shellfish, and cucumbers in brine]. 032111

EPIDERMAL

Receptors for insulin and *epidermal* **growth** factor: relation to synthesis of DNA in cultured rabbit lens epithelium. 033766
Hormonal control of **insect** *epidermal* cell commitment in vitro [Tobacco hornworm, Manduca sexta]. 039296
Simultaneous demonstration of separate phases with different phenol content in the **leaf** *epidermis* cells of Salix alba L. 036350
Epidermal **protein** metabolism directed toward keratinization by hydrocortisone in the chick embryonic skin growing in a chemically defined medium. 033876

EPIDIDYMIS

Postnatal study on the histochemistry of *epididymis* in **buffalo** (Bubalus bubalis). 033700
Changes of antigene properties of the bovine spermatozoa during their maturity in the *epididymis* and **ejaculation.** 034805
Proteinases in **rat** *epididymis* & testis. 033971

EPIGENESIS

The metabolic and *epigenetic* **control** of chlorophyll biosynthesis. 036975

EPILACHNA

Toxicity of some organophosphates and carbamates against *Epilachna* **vigintioctopunctata** F. [Eggplants, potatoes]. 039320

EPILOBIUM

Effect of a light-break on the growth and development of *Epilobium* **hirsutum** and Lythrum salicaria in short photoperiods. 036761

EPINEPHRINE

Studies on *epinephrine* & **carbachol** induced metabolic changes in Bubalus bubalis [Buffalo calves]. 033973
Effects of *epinephrine* on **resistive** and compliant properties of the canine vasculature. 034014

EPIPHYLLUM

Hybrids of *Epiphyllum* **(Phyllocactus).** 038499

EPIPHYSIS

Calcium localized in juxtanuclear granules of *epiphyseal* **chondrocytes** with a dilute glyoxal bis(2-Hydroxyanil) solution[Chick embryos]. 033842
Osteochondritis dissecans of the *epiphysis* of the **dog** shoulder. 035384

EPITHELIUM

The time-course of changes in mucosal architecture and *epithelial* **cell** production and cell shedding in the small intestine of the rat fed after fasting. 032364
Corneal *epithelial* inclusion cyst associated with keratectomy in a dog. 035342
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ [potassium] across rat submaxillary **duct** *epithelium.* 033938
Evidence for electrogenic sodium pumping in the **ductal** *epithelium* of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
Pig **kidney** *epithelial* (PS) cells: a perfect tool for the study of Flaviviruses and some other arboviruses. 034960
Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in cultured rabbit **lens** *epithelium.* 033766
The effects of prolactin and oxytocin on milk secretion and on the permeability of the **mammary** *epithelium* in the rabbit. 034079
Laryngeal tumor in a dog. *Epithelial* **neopalsia** with sarcomatous aspect. 035299
An alternative model for isosmotic water transport [across low **resistance** *epithelia].* 033931
A method for the in vitro study of drug transfer across **ruminal** *epithelium.* 034083
Fasciola hepatica: the ultrastructure of the *epithelium* of the **seminal** vesicle, the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. 035179
Fine structure of chicken **thymic** *epithelial* vesicles. 034048

EPIZOOTIOLOGY

Landscape **epidemiology** *(epizootiology)* [Infectious diseasesof domestic and wild animals]. 034964
Diagnosis and *epizootiological* **observations** on the occurrence of haemophilus pleuropneumonia in swine in the north of the German Democratic Republic. 035152
Epizootiology of **transmissible** gastroenteritis of swine. 035153
Epizootiology of **vesicular** stomatitis in swine. 035242

EPOXY

Structure of zerumbone oxide, a new **sesquiterpene** *epoxy* ketone from Zingiber zerumbet Smith (wild ginger oil). 037750

EQUATOR

Peculiarities of soil genesis in the deltaic-alluvial valleys of Juba and Webi-Shebeli **rivers** *(equatorial* Somali). 040614

EQUIPMENT

A second study of the real cost of **agricultural** *equipment.* 040459
General information on **agricultural** *equipment* and agriculture. 040461
The [European] Eastern Bloc knows no competition **[Agricultural** *equipment].* 040468
Safe operation of **agricultural** *equipment.* 040515
On increasing the effectiveness of utilization of machines and *equipment* in **agriculture.** 031278
Bibliography [Plants, physiology, biochemistry, diseases, *equipment,* **anatomy].** 035927
Frame cabinet with insertable frames **[Apicultural** *equipment].* 040211
Modern **cleaning** *equipment* and cleansers for agriculture. 040537
Press for granulation GM-500 [Feed **compressing** *equipment].* 040532
Recommendations for short-term no-delay application of semiliquid manure, using **cultivation** *equipment* [Fertilizers]. 040916
Availability criterion of process evaluation **[Dairy** *equipment].* 040412
Conclusions from and accident in the district of Rostock [Use of **electric** *equipment,* animal production]. 040414
Shortcommings in management work causes accidents [Use of **electric** *equipment].* 040434
Damage to **electrical** *equipment* in buildings constructed of wood must be prevented. 040416
Organized cooperation between building and *equipment* **enterprises** when preparing and erecting industrial animal and plant production units. 040325
Repair of automatic **farm** *equipment* [Costs]. 031427
Efficiency of enamel varnish insulation on stator windings during operation of electric pumps in water **[Farm** *equipment].* 040392
Farm *equipment* at the agricultural fair. 040450
Full feed and mechanization in cattle **feeding** *[Equipment].* 040493
New safety fuse igniter **[Forest** *equipment].* 035467
Mounting, dismounting and storing the *equipment* for **gathering** maize spadixes with the self-propelled combine C-12. 040521
Demonstration of a mechanized straw **harvest** *[Equipment].* 040497
If you enjoy eating, thank the machines! **[Harvesting** *equipment].* 040544
Precleaning of wastewater in meat industry plants by means of the **"Hydrasieve"** *equipment.* 041685
Defining terms of technical **identification** *[Equipment].* 040417
Testing sets to be used in technical **identification** *[Equipment].* 040436
Utilization of portable tape recorder for a complete measurement of forest stand. 2. The **improved** *equipment.* 035535
Guidelines for the selection of turbine pump materials for use in groundwaters **[Irrigation** *equipment,* water supply]. 040454
The main directions in the improvement of the **irrigation** *equipment* in the USSR. 040472
Sprinkler demonstration in the northeastern polder **[Irrigation** *equipment].* 040502
Effects of waste water on corrosivity [of **irrigation** *equipment].* 040516
The mushroom industry in the United States and Canada. 7. Crop emptying and miscellaneous **items** *[Equipment].* 040512
The new lighting decree will be in effect **January** 1, 1976 *[Equipment].* 040467
Improving the material-technical supply of socialist farms by centralized stock **keeping** *[Equipment].* 040424
A study on the prevention of vibration and noise of forest machines **[logging** *equipment]:* considerations mainly with relation to improvement of forest operations. 035709
FMC 200bg helps tackle steep slopes of Kootenays **[Logging** *equipment].* 035853
Development of production of *equipment* and **machines** for feed preparation [in Slovakia] up to 1918. 040451
How we organize specialized *[equipment]* **maintenance** [East Germany]. 031330
Institutions & *equipment* **maintenance.** 032647
The present status and prospects of development of the mobile distribution of liquid **manure** *[Equipment].* 040440
Equipment used to **meet** health regulations for effluent water use [for irrigation]. 040517
Properties, fields and limits of applying maintenance **methods** *[Equipment].* 040432
Automation of cleaning systems **[Milking** *equipment].* 040463
Mobile *equipment* suits present - and future - needs for Cincinnati Milacron. 032662
Vibration of chainsaw in timber cross cutting. IV. Protection provided by the vibration **multi-isolating** *equipment.* 035708
Surgery and **orthopedic** *equipment* in large-scale cattle farms. 034949
Wheels roll on permanent **paths** *[Equipment].* 040531
Equipment **probe** 7: cut labor and material costs with systematized dishwashing. 032663
The SS-0,5 scarifier [Herbacious legumes, seed **processing** *equipment].* 040492
Valuation of computation models to determine leakage losses of gear **pumps** *[Equipment].* 040447
Depreciation as a factor—is leasing [veterinary] *equipment* better than **purchasing?** 040489
Refrigeration *equipment* [in fruit and vegetable delivery]: how it works, what it does. 033404
Trends in the use of tractor power for sugarcane production in Puerto **Rico** *[Equipment].* 040488
Simplified *equipment* for desolventizing, toasting, drying and cooling in one apparatus for processing of soybeans. 033297
Classification and choice of mechanized brigades for determination of demand for **special** *equipment* and machines. 031389
Disinfection of clay soil using the injection method **[Spraying** *equipment].* 040499
New legal regulations concerning service **standards** *[Equipment].* 031773
Determination of confidence intervals for consumption indexes of spare parts using a method of mathematical **statistics** *[Equipment].* 040420
Raising mowing performance by control and **surveillance** *equipment.* 040508
System of centralized control of the state of **technological** *equipment* on livestock farms and complexes. 031392
High **temperature** *equipment* for drying wilted grasses. 033557
Equipment for **total** collection of feces from lambs during suckling or fattening and for ewes. 040453
A realistic look at unitization for the produce industry [Fruits and vegetables, **transportation** *equipment].* 031664
Determination of the manufacturing tolerance from the maintenance point of **view** *[Equipment].* 040419

EQUISETUM

Improvement of natural meadows infected with field **horsetail** *(Equisetum* arvense). 039090

ERAGROSTIS

The rhodesgrass scale [Antonina graminis] in Israel. 1. Life history, distribution, host plants and indigenous natural enemies *[Eragrostis* **bipinnata,** Paspalidium geminatum, Saccharum biflorum]. 039281
A new host *[Eragrostis* **tremula]** for Ephetis oryzae. 038645

EREMOPHILA

Geographical differences in leaf resin components of *Eremophila* **fraseri** F. Muell. (Myoporaceae) [from Australia]. 035965
Sterochemistry of freelingyne [(4Z,6E)-9-(3-furyl)-2,6-dimethylnona-2,4,6-trien-8-yn-4-olide] by X-ray analysis *[Eremophila* **freelingii].** 037026

EREMURUS

Gel-chromatographic fractionation of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from *Eremurus* **regelii** and alfalfa]. 036772

ERGOSTEROL

Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight **irradiated** *ergosterol* solutions and sunlight intensity. 032465

Isolation of *ergosterol* **peroxide** from Alternaria dianthicola [Fungi]. 036791

ERGOT

Effect of tweens on the production of *ergot* **alkaloids** by Aspergillus fumigatus [Fungi]. 036946

The *ergot* [**Claviceps**] alkaids. 036756

Physiological study of *ergot* [**Claviceps** fungi]: induction of alkalois synthesis by tryptophan at the enzymatic level. 037012

Ergot **disease** [pearlmillet] of bajra and its control. 038614

Sugar composition of *ergot* **honeydews** [Claviceps, Sphacelia]. 038586

ERICA

The distribution and composition of hybrid populations of *Erica* **ciliaris** L. and Erica tetralix L. in Dorset [Ecological factors]. 036225

Electron microscopic investigations on the occurrence of rickettsia-like bacteria in the roots of *Erica* **gracillis** Salisb. 038874

Weed control in heather *[Erica* **persoluta];** progress report. 039126

The distribution and composition of hybrid populations of Erica ciliaris L. and *Erica* **tetralix** L. in Dorset [Ecological factors]. 036225

ERICACEAE

Conditions of growth and spreading of Rhododendron luteum **Sweet** *(Ericaceae)* on Slovechansko-Ovruchsky heights (Ukraine). 036840

ERIOPHYES

Observations on the development and the ultrastructure of some erinoses. I. Erinose caused by *Eriophyes* **leisoma** Nal. On the Tilia intermedia D.c. 039234

Observations on the development and the ultrastructure of some erinoses. II Erinose caused by *Eriophyes* **paderineus** L. on the leaves of Prunus padus L. 039235

The carotenoid content of galls produced by *Eriophyes* **tiliae** var. rudis Nal. (Acarina) on Tilia cordata Mill., leaves. 039400

ERIOSOMA

A method for culturing root aphids *[Eriosoma* **patchae,** Eriosoma ulmi, Senecio, currants and gooseberries]. 039699

EROSION

How maure applications **affect** *erosion* and runoff. 041159

Runoff and soil losses from Barnes soils in the northwestern Corn **Belt** *[Erosion].* 041143

Microbiological characteristics of the *eroded* **Chestnut** soils of Buryatia. 041207

Stabilizing [bauxite ore] stockpiles on the Texas **coast** *[Erosion].* 041203

Soil ripping treatments for runoff and *erosion* **control.** 041182

Determining *erosion* from Hawaiian agricultural lands. 041177

Half a century of tree planting [Windbreaks, *erosion,* **Edward** Flanagan]. 041200

[Soil] conservation blossoms on 'flower **farm'** *[Erosion].* 041206

The prevention of *erosion* during **furrow** irrigation. 041274

Erosion **potential** of soils [Control]. 041178

Effect of *erosion* **processes** on organic substances of Chestnut soils in submontane zone of the Great Caucasus within Azerbaijan SSR. 041186

Rainfall *erosion* index of Bangalore agro-climatic area. 041174

Erosion [on **rangeland,** forests and cropland] and sediment yield [to reservoirs] in New Mexico. 041179

Defining the sediment trapping characteristics of a vegetative buffer. Special case: **road** *erosion* [Soil conservation]. 041176

Erosion and **sediment** from forest land uses, management practices and disturbances in the southeastern United States. 035606

[Soil] *erosion* and **sediment** control on reshaped land. 041185

Relation of *erosion* to **sediment** yield [Drainage basin]. 041379

Comparative costs of *erosion* and **sedimentation** control measures. 041175

Simulating *erosion* dynamics with a deterministic distributed watershed model. 041391

About the calculation of the efficiency of capital investments in the constructions for the control of high waters and **soil** *erosion.* 031463

Mechanisms of **soil** *erosion* by rain and the actual results of their analytical evaluation. II. 041163

Control of **soil** *erosion* on mountain pastures. 041166

Cultivated pastures on the slopes of ravines **[Soil** *erosion* control, tillage]. 041167

Problem number one **[Soil** *erosion* control, Kharkov region]. 041168

Presentation of geomorphological and hydromorphological maps of the upper basin of the Lebrija River (Santander Department) [Colomiba, **soil** *erosion].* 041173

Soil *erosion* concepts and misconceptions. 041181

Modern problems of controlling **soil** *erosion.* 041188

Consideration on the behaviour of agronomic works for prevention and control of **soil** *erosion,* in the agricultural production cooperative Aschileu Mic, district of Cluj-Napoca. 041191

Execution of **soil** *erosion* control works at the AgriculturalProduction Cooperative Danesti, district of Vaslui. 041193

Soil *erosion* protection of sea dike foundations. 041211

Changes of phosphorus and potassium compounds in soddy-podzolic and Grey forest soils under the effect of **water** *erosion.* 040721

Engineering forecasting and the measures for preventing **water** *erosion* of soils. 041155

Water *erosion* [of soils] and the problem of its study at present. 041187

Sedimentation in Coon Creek Valley, Wisconsin *[Eroded* **watershed].** 041388

Watershed *erosion* model validation for southwest Iowa. 041399

Effect of land use on sediment delivery ratios *[Erosion* on **watersheds].** 041371

Calculating optimum parameters for **wind** *erosion* control of forest shelterbelts in the dry steppe area. 035485

Investigations on the recultivation of grassland on **wind**—*eroded* soils of Iceland [Reclamation]. 041146

ERWINIA

Nutrient status of apple blossoms and their susceptibility to fire blight *[Erwinia* **amylovora].** 038850

Development and properties of streptomycin resistant cultures of *Erwinia* **amylovora** derived from English isolates [from pear, apple and hawthorn trees]. 038864

Watermelon rind necrosis *[Erwinia,* **Bacillus]** in Imperial Valley. 038855

Phenolic compounds & polyphenol oxidase activity in relation to resistance in potatoes against bacterial soft rot *[Erwinia* **carotovora].** 038860

The necessity of using healthy propagation material of Salix alba in connection with the spread of Watermark disease *[Erwinia* **salicis]** in the Netherlands. 038857

ERYSIMUM

Cardenolides of *Erysimum* **suffruticosum.** 036872

ERYSIPELAS

Complex immunization of swine against hog cholera, Aujeszky's **disease** and *erysipelas.* 035232

ERYSIPHE

Polyembryony in Kentucky bluegrass [Poa pratensis] as a source of variation in disease reaction [Drechslera triseptata, *Erysiphe* **graminis].** 036302

Phytoalexin activity in barley powdery mildew *[Erysiphe* **graminis].** 038572

THe ultrastructure of M1-a-mediated resistance to powdery mildew *[Erysiphe* **graminis** hordei]. 038588

The development of conidiophores of *Erysiphe* **graminis** DC. f. Sp. hordei Marchal [on barley leaves] as observed by scanning electron microscope. 038846

On the problem of the extent and threshold of damage by powdery **mildes** *(Erysiphe* graminis f. sp. hordei) on spring barley. 038843

A study on wheat powdery mildew in Bulgaria. II. Physiological races of wheat powdery **mildew** *(Erysiphe* graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607

The role of phytoalexin as the inhibitor of infection establishment in plant disease **[Peas,** *Erysiphe].* 038756

Fungicidal control of powdery mildew *[Erysiphe* **polygoni]** ofBrassica juncea. 038651

ERYTHRINA

Erythrina and **related** alkaloids. 036739

ERYTHROCYTES

In vitro activity of the venom and other components of Loxosceles laeta on human and **animal** *erythrocytes.* 039647

Utilizaton of adenosine for nucleotide synthesis in the *erythrocytes* of some **animals** [Dogs, rats, guinea pigs, hens]. 034034

Studies on **avian** *erythrocyte* metabolism. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in chick embryos and chicks. 033865

Nucleoside diphosphate kinase of **beef** *erythrocytes.* Purification of the phosphorylated form. 033819

The chromic chloride method of coupling antigens to *erythrocytes:* **definition** of some important parameters [Sheep]. 035119

Erythrocyte **enzyme** activities and glutathione levels of the horse, cat, dog and man. 033867

Genetic polymorphism of the *erythrocytic* **enzymes** ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606

Erythrocyte **glutathione** reductase activity as an index of riboflavin nutritional status in pregnant women. 032278

Species differences in *erythrocyte* **glutathione** reduction rates after oxidation with t-butyl hydroperoxide [Sheep, goats, dogs, horses]. 033988

A method for determining the survival rate of **isogenic** *erythrocytes* in the blood flow of cattle in cases of transfusions. 033880

Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various mammalian [Calf, cow, **pig]** *erythrocytes.* 033806

Effect of dietary vitamin E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in *erythrocytes* and **plasma** of rats. 032271

Studies on *erythrocyte* **sedimentation** rate in buffaloes. I. Evaluation of various techniques. 033982

Isolation of the terminal complement complex from target **sheep** *erythrocyte* membranes. 033803

Exposure by phospholipase A of receptors for **sheep** *erythrocytes* on human B cells. 034111

The effect of cholesterol oleate treatment of mice on the rosette forming cell response against **sheep** *erythrocytes.* 034164

Correction: mouse spleen cells cultured in homologous serum can indeed make primary antibodies to **sheep** *erythrocytes.* 034175

Genetic control of the expression of genes for lactate dehydrogenase A in **sheep** *erythrocytes.* 034626

Genetic control of the potassium content in the *erythrocytes* of **sheep** (Ovis domesticus). 034817

Correction: Mouse spleen cells cultured in homologous serumcan indeed make primary antibodies to **sheep** *erythrocytes* [Immunity]. 035199

Determination of the transketolase activity in *erythrocytes* in **studying** the consumption of vitamin B1 by the population. 032483

ERYTHROPOIESIS

Erythropoietin in the **urine** of horses donors of immune sera. 034961

ESCHERICHIA

Recovery of *Escherichia* **coli** coliforms from macerated shellfish [Food contamination]. 032075

Studies on the estimation of the hygienic condition of frozen broiler chickens *[Escherichia* **coli,** Enterobacteriaceae]. 032088

Inactivation by detergents to the proline transport system in membrane vesicles from *Escherichia* **coli** and its reactivation by bovine serum albumin. 033799

The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of *Escherichia* **coli** O55 in germfree piglets. 035064

Skiabaryum-Spofa in the prevention and treatment of diarrhea *[Escherichia* **coli]** of newly born calves. 035227

Effectiveness of antibiotics for experimental septicemia of chicks caused by *Escherichia* **coli.** 035240

Translation of RNA that contains polyadenylate from yeast [Saccharomyces cerevisiae] mitochondria in an *Escherichia* **coli** ribosomal system. 037243

Comparison of RNA synthesis by bacterial *[Escherichia* **coli]** RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. 039926

Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria *[Escherichia* **coli]** from the feces of sheep. 041602

A comparative study between the pour plate method and the method of the most probable number (M.p.n.) for the enumeration of *coliforms,* **Enterobacteriaceae** and fecal coli in. 032109

Influence of restrictive use of antibiotics on the development of drug resistance in **intestinal** *Escherichia* coli from pigs [Diarrhea]. 035171

Antibody response in sows following intramammary on intramuscular immunization with a **killed** *Escherichia* coli vaccine. 034998

Utilization of 14C [carbon isotope]- **labelled** *Escherichia* coli by rats [Nutrition]. 032191

ESOPHAGUS

Ultrastructure of the *esophageal* **procorpus** in the plant parasitic nematode, Tylenchorhynchus dubius, and functional aspects in relation to feeding. 038968

ESTERASES

Measurement of phosphatase and *esterase* **activity** in Norway spruce [Picea abies] needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973

Age-dependent changes in juvenile **hormone** *esterase* and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, Leptinotarsa decemlineata. 039877

Polymorphism for dimerizing ability at the *esterase-5* **locus** in Drosophila pseudoobscura. 039751

Mechanisms of the stabilization of the allelic composition of the *esterase* **locus** of Drosophila melanogaster. I. Relative viability of the genotypes. 039921

Mechanisms of the stabilization of the allelic composition of the *esterase* **locus** of Drosophila melanogaster. II. Dynamics of the gene and genotypic frequencies. 039922

Carbamate poisoning: Effect of certain carbamate **pesticideson** *esterase* levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). 039556

Genetically controlled electrophoretic variants of *esterase* in **silver** foxes [Fur bearing animals]. 034819

Lipase and **unspecific** *esterase* activity in the fat body of Aedes aegypti L. 039607

Esterase of **vetch** seeds hydrolyzing carbobenzoxy-alanine p-nitrophenyl ester. 037702

ESTERIFICATION
Study of *esterified* **fatty** acids in the blood serum and total content of fatty acids in the feces of calves reared on different types of feeding. 034224
Genetic control of **sterol** *esterification* in developing wheat endosperm. 036393

ESTERS
Carboxylic *ester* hydrolases in the thyroid gland of the guinea-pig. A light microscopic study. 033917
Evidence for the activation of bovine adrenal **cholesterol** *ester* hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Synthesis of **methyl** *ester* 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. 037231
Fungitoxicity and insecticide synergism of monothioquinol **phosphate** *esters* and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529
Microbial inhibition caused by **p-hydroxybenzoate** *esters* in wine. 033323
Esterase of vetch seeds hydrolyzing carbobenzoxy-alanine **p-nitrophenyl** *ester.* 037702
Poly(amide-acetals) and *poly(ester-acetals)* from **polyol** acetals of methyl (9(10)-formyl-stearate: preparation and physical characterization [Polymers]. 032858
Formation of **volatile** *esters* in strawberries. 033319

ESTRADIOL
Effects of oestradiol-17beta, *oestradiol* **benzoate** and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal female rat. 034668
The effect of lindane on the biological effectiveness of *estradiol* in **chickens.** 035453
Sexual behaviour in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or *oestradiol* in **combination** with dihydrotestosterone. 034672
Effects of *oestradiol-17beta,* **oestradiol** benzoate and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal female rat. 034668
Peripheral plasma levels of *oestradiol-17beta* and **progesterone** in the bitch during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. 034687
17-beta-estradiol and **transportation** of alpha-amino-isobutyric acid in chicken's liver sections. 033884
Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the reproductive state and *oestradiol* **treatment** [Sheep]. 034666

ESTROGEN
Enzyme activity in kidney, adrenal and gonadal tissue of rats treated neonatally with **androgen** or *oestrogen.* 034055
Cytoplasmic *oestrogen* receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment [Sheep]. 034666
On the *estrogenic* **effect** of white cabbage (Brassica oleraceae) [Tested on mice]. 032495
The detection of substances with *estrogenic* **effects** [in calves] in testing for residues. 033904
Effects of *estrogen* on **gene** expression in chick oviduct: nuclear receptor levels and initiation of transcription. 034145
On the effect of serum gonadotropin and *estrogen* on the **hormonal** activity of the thyroid and suprarenal glands of cows. 034238
Inhibition, by the *anti-oestrogen* **MER-25,** of defeminization induced by the synthetic oestrogen RU2858 [Rats]. 034670
Bovine **plasma** *oestrogens,* progesterone and glucocorticoids during dexamethasone induced parturition. 034541
Estrogenic **syndrome** of fungal nature in cattle [Mycotoxicosis]. 035439
Effect of *estrogen* on the **synthesis** and processing of ovalbumin messenger RNA in the chick oviduct. 034642
Effects of oestradiol-17beta, oestradiol benzoate and the **synthetic** *oestrogen* RU2858 on sexual differentiation in the neonatal female rat. 034668
Inhibition, by the anti-oestrogen MER-25, of defeminization induced by the **synthetic** *oestrogen* RU2858 [Rats]. 034670

ESTRUS
Factors affecting the cessation of *estrus* **activity** in ewes [Sheep]. 034558
Superovulation and embryonic survival rates in beef **cattle** *[Estrus].* 034736
Estrous **cycle** and gastrin content of mucosa in rat. 034676
Peripheral plasma levels of oestradiol-17beta and progesterone in the bitch during the *oestrous* **cycle,** in normal pregnancy and after dexamethasone treatment. 034687
The *oestrous* **cycle** of the ewe after active immunization against prostaglandin F-2alpha. 034700
Why survey heats? [Cattle, *estrous* **cycle**]. 034786
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. *Estrus* **evolution** of puberty induced gilts and fertility results following artificial insemination. 034575
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts **following** *estrus* synchronisation and artificial insemination. 034577
Megestrolacetat administered for induction of and synchronization of *estrus* in **heifers.** 034765
Induction of *estrus* in **mares** after foal heat with prostaglandin-F2alpha. 034727
Effect of GnRH [gonadotropin releasing hormone] on *estrus,* **ovulation** and fertility in the mare. 034723
Practical verfication of the possibility of snynchronization of the *estrus* of **semi-fine** wool sheep in the period of fertility by oral administration of superlutine. 034138
Estrus **synchronization** and fertility studies [in beef cattle] at Dean Lee Agricultural Center. 034726
Experience in the use of *estrus* **synchronization** in heifers in Halle County [Cattle]. 034832
Use of chlormadinone acetate (Bovisynchron) for **synchronizing** *estrus* in cattle. 034865
Fertility differences between groups of sires relative to the stage of *estrus* at the **time** of insemination [Dairy cattle]. 034559

ESTUARIES
Uptake and release of phosphorus by phytoplankton [Algae] in the Chesapeake **Bay** *Estuary,* USA. 037096
The **Delaware** *estuary* [Resource management]. 041545
Zostera marina L., its growth and distribution in the **greatbay** *estuary,* New Hampshire. 036137
The influence of tidal flux on microbial biomass in salt marsh creeks [Distribution and ecology of *estuarine* **plants** andanimals]. 036234
Nutrient budgets in the Hudson **River** *estuary* [Sewage treatment, water pollution]. 041472
Some observations of velocity fluctuations in a strongly **stratified** *estuary* using an ultrasonic transit-time-difference current meter [Water quality]. 041323
The use of natural Pb-210 [lead isotope] as a heavy metal tracer in the *river-estuarine* **system.** 041216
Chemical and bacterial cycling of heavy metals in the *estuarine* **system** [Water pollution]. 041468

ETHANE
The comparative effects of vitamin D deficiency and *ethane1-hydroxy-1,1-diphosphonate* **administration** on the histology and glycolysis of chick epipiphyseal and articular. 033844
Conversion of *1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane* **(DDT)** to water-soluble products by microorganisms [Environmental contamination]. 039557

ETHANOL
Ethanol as a **'food'** for Drosophila melanogaster: influence of the ebony gene. 039738
Dispersion of clays in *ethanol* **solutions.** 040760

ETHEPHON
Ripening of date fruits as **affected** by *ethephon.* 038292
Is *ethephon* the **answer** for color and maturity in apples? 038520
Ethylene-releasing compounds to loosen olive fruits for mechanical harvesting *[Ethephon,* **2-chloro-ethyl-tris-(2-methoxyethoxy)silane** tested in Italy]. 038362
Using *ethephon* for **easier** mechanical harvest of sweet cherries. 038325
The effect of *ethephon* on **onion** seedstalk height and seed production characteristics. 037737

ETHERS
Metabolic interrelations of **hydroxy-substituted** *ether-linked* glycerolipids in the pink portion of the rabbit Harderian gland. 033764
Ether **lipid** metabolism: incorporation of O-Hexadecyl ethanediol into rat brain lipids. 033795
Extractives of New Zealand Nothofagus species. 1. **Petroleum** *ether* solubles. [Wood]. 035835

ETHOXYQUIN
Selenium and white muscle disease in lambs: effects of **vitamin** E and *ethoxyquin.* 035369

ETHYL
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of *ethyl* **acetate,** methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Effect of **dl-norgestrel** *(13beta-ethyl-17* alpha-ethynyl-19-nortestosterone, Wy3707) on the reproductive organs of rabbit. 033974
Comparative mutagenic effects of *ethyl* **methane-sulfonate,** nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126
Chemical mutagenesis in soybean (Glycine max (L.) Merrill) using *ethyl* **methanesulphonate** and hydroxylamine hydrochloride. 036596
Metabolism of *O-ethyl* **O-[4-(methylthio)phenyl]** S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564
Metabolic fate of *O-ethyl* **O[4-(methylthio)phenyl-14C]** Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. 039562
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), *ethyl* **propionat,** n-propyl acetate, and butanol-(2) [Wine]. 033431
Ethylene-releasing compounds to loosen olive fruits for mechanical harvesting [Ethephon, *2-chloro-ethyl-tris-(2-methoxyethoxy)silane* **tested** in Italy]. 038362

ETHYLENE
The in-vivo-determination of total body fat with "DDE" (1,1-dichloro-2,2- **bis** *(p-chlorophenyl)ethylene)* [Chickens]. 039601
Effect of *ethylene* on **chlorophyllase** activity and chlorophyll content in calamondin rind tissue. 033386
Ethylene-releasing **compounds** to loosen olive fruits for mechanical harvesting [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. 038362
Ripening response of green tomatoes to *ethylene* **concentration** and temperature. 037677
Ethylene and **extraneous** material formation in woody tissues [Eucalyptus, Rhus, apricots]. 037162
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and *ethylene* **glycol** tetraacetic acid (EGTA). 034986
Cell isoperoxidases in sweetpotato plants in relation to mechanical **injury** and *ethylene.* 037809
Foliar element levels of Chrysanthemum [morifolium] and tomato grown in **insolubilized** *poly(ethylene* oxide) amended media. 037734
Stimulation of *ethylene* **production** in the mung bean hypocotyls by cupric ion, calcium ion, and kinetin. 037527
Pale coloration in Aphis fabae reared on beans treated withthe plant growth **regulator,** *ethylene-bis-nitrourethane.* 039837
Ethylene-induced **volatle** inhibitors causing soil fungistasis. 038754

ETHYLENIMINE
Use of *ethylenimine* in **forage** rape breeding. 036658

ETHYNYL
Effect of dl-norgestrel **(13beta-ethyl-17** *alpha-ethynyl-19-nortestosterone,* Wy3707) on the reproductive organs of rabbit. 033974

ETIOLATION
Chloroplast messenger RNA from *etiolated* **pea** seedlings. 037745
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. II. Changes of protein fractions during germination and development of *etiolated* **plants** and grown in light. 037438

ETIOLOGY
Etiology of **almond** [Prunus amygdalus] leaf scorch disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. 038869
Etiology, **clinical** findings, and treatment of solar dermatitis in the dog. 035355
Significance of genetic factors in the study of *etiological* **factors** of nutritional muscular dystrophy. 035386
Etiology of **gastrointestinal** diseases of piglets. 035243
Etiology and **geographical** distribution of bacterial agents of mastitis in dairy cows in Slovakia in 1973 and 1974. 035262
Arthro-tenosynovitis of **non-viral** *etiology* in the chicken [Bacteria]. 035042

ETIOPLASTS
Chloroplast biogenesis. Biosynthesis and accumulation of protochlorophyll by **isolated** *etioplasts* and developing chloroplasts [Cucumbers]. 037638

EUCALYPTUS
Seed abortion in some species and interspecific hybrids of *Eucalyptus* [from **Australia**]. 037891
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in river red gum *[Eucalyptus* **camaldulensis**] forests. 039387
Use of principal components, factor analysis and varimax rotation to describe variability in wood of *Eucalyptus* **deglupta** Blume. 035906
Seed crop forecasting in *eucalypt* [**Eucalyptus** regnans] forests using aerial reconnaissance. 035650
Effect of *Eucalyptus* **monoculture** on the status of soil organic matter in natural sal (Shorea robusta) zone in Doon valley. 040658
Fertilizer responses in *Eucalyptus* **nitens** at Powelltown. 040933
Estimation of the mating system of *Eucalyptus* **obliqua** L'Herit. by using allozyme polymorphisms. 036392
Biodegradation of litter in *Eucalyptus* **pauciflora** communities. I. Techniques for comparing the effects of fungi and insects. 036248
Seed crop forecasting in eucalypt *[Eucalyptus* **regnans**] forests using aerial reconnaissance. 035650
The root and shoot development of *Eucalyptus* **regnans** F. Muell. 037892
Ethylene and extraneous material formation in woody tissues *[Eucalyptus,* **Rhus,** apricots]. 037162
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), **xylophagous** *Eucalyptus* borer. 039402

EUCARYOTE
Post-transcription control of isocitrate lyase induction in the *eukaryotic* **alga** Chlorella fusca. 037132

EUCHLAENA
Bacterial stripe of *Euchlaena* **mexicana** caused by Pseudomonas rubrilineans. 038861

EUGENOL
Biosynthesis of the **allylphenols** *eugenol* and methyleugenol in Ocymum basilicum L. 036866

EUGLENA
Ribosomal RNA genes in the nucleus and chloroplast of *Euglena* [**gracilis**, algae]. 036278
Glyceraldehyde-3-phosphate dehydrogenases from *Euglena* **gracilis** [Algae]. Purification and physical and chemical characterization. 036784
Interactions among cellular compartments in *Euglena* [**gracilis** var. bacillaris, Algae] during chloroplast development. 036969
Identification of NADPH [reduced nicotinamide adenine dinucleotide phosphate]-thioredoxin reductase system in *Euglena* **gracilis** [Algae]. 037240
The histones of *Euglena* **gracilis** [Algae]. 037315
Synthesis of 3-polyprenyltoluquinols and 4-carboxy-2-polyprenylphenols by cell-free preparations of *Euglena* **gracillis** [Algae]. 037177

EULOPHIDAE
Relationships and synonymy of Winnemana Crawford (**Hymenoptera,** *Eulophidae*). 040093

EUONYMUS
The effect of temperature on the ultrastructure of the cells of the embryos of *Euonymus* **europaea** L. in the process of stratification and germination of seeds. 037898

EUPATORIUM
Eupatorium **cannabinum** L. (Compositae) as a host plant of Eupteryx aurata (L.) (Hemiptera, Cicadellidae). 039213
Crystal and molecular structure of eupatolide, the major cytotoxic principle from *Eupatorium* **formosanum** Hay. 037024
Synthesis of eupatilin & eupafolin, the two cytotoxic principles from the *Eupatorium* **species.** 036988

EUPHORBIA
Antileukemic principles isolated from Euphorbiaceae plants *[Euphorbia* **esula,** Croton tiglium]. 037258
A biological screen of selected species of the **genus** *Euphorbia* for skin irritant effects. 037186
Can Nitsch's hypothesis on the floral metabolism [in *Euphorbia* **pulcherrima**] by generalised? 037786

EUPHORBIACEAE
Fruit, seed, and myrmecochorous dispersal in **Micrantheum** *(Euphorbiaceae).* 036334
Antileukemic principles isolated from *Euphorbiaceae* **plants** [Euphorbia esula, Croton tiglium]. 037258

EURYGASTER
Preparing of dimethoate in insecticide form for ultra-low volume treatments [Leptinotarsa **decemlineata,** *Eurygaster].* 039299
Influence of parasitic flies (Phasiidae) upon the genital **system** *Eurygaster* integriceps. 039970

EUTROPHICATION
An assessment of *eutrophication* in **Australian** inland waters[Pollution, algae, macrophyta]. 041492
Eutrophication and **occurrence** of Oscillatoria agardhii Gom. [Algae] in the lakes bordering on Flevoland. 036962
Phytoplankton [Algae] models and *eutrophication* **problems.** 041543
Nutrient **reactions** *[Eutrophication].* 041558
Some effects of agricultural development and fluctuations in water level on the phytoplankton productivity and zooplankton of a New Zealand **reservoir** *[Eutrophication].* 041522
Microbiological considerations on pollution and *eutrophication* of **waters.** 041599

EUXOA
An annotated bibliography of the dark-sided cutworm, *Euxoa* **messoria** (Harris) [Horticultural plants]. 039361

EVAPORATION
The effect of drainage on the river **flow** and *evaporation.* 041268
"A comparative study of the correlation between differing techniques for **obtaining** *evaporation* data derived for severalareas of the world when applied to arid climates." [Water supply]. 041290
Comparison of the course of **potential** *evaporation* in the forest and outside it in the area of Rogow. 035488
The effects of heat treatment and pH [hydrogen-ion concentration] on the heat stability of **recombined** *evaporated* milk. 033015

EVAPORIMETERS
Scheduling irrigation with constant **level** *evaporimeter.* 041242

EVAPOTRANSPIRATION
Evapotranspiration as a **basis** for irrigation water requirement calculations. 041219
Evapotranspiration of **grapes.** 037738
Water use by saltcedar [Tamarix pentandra] as measured by the water budget **method** *[Evapotranspiration].* 037934
Evaluation of *evapotranspiration* of **rice** by empirical methods. 037440

EVERGREENS
Broad-leaved *evergreens* [Varieties]. 038259
F1 crosses of *evergreen* and **deciduous** azaleas and other wide crosses of Rhododendron. 036627
The age of chloroplasts in mesophyll of deciduous and *evergreen* **plants.** 036370
Propagating deciduous and *evergreen* **shrubs,** trees, and vines with stem cuttings. 035681

EVODIA
Constituents of *Evodia* **floribunda** Baker, I. Floribundic acid, a new diterpene of the clerodane type. 037291

EVOLUTION
The development of the Institute of Vegetable Production, Grossbeeren, a vivid example of the *evolution* of **agricultural** sciences in the German Democratic Republic. 038324
Evolution of **agronomic** techniques in Italy in the last ten years [Field crops, acreage, yields, statistics]. 031764
Evolution of **Chernozems** under the effect of human activity. 040823
Hereditary polymorphism, hereditary monomorphism, and their role in the *evolution* of **coloration** in Chrysomelidae (Coleoptera). 039959
Cytogeographic evidence for the *evolution* of **distyly** from tristyly in the North American species of Oxalis section ionoxalis. 035954
Theoretical genetics of Batesian mimicry. III. *Evolution* of **dominance** [Papilio dardanus]. 039864
Organisation and *evolution* of **Drosophila** virilis heterochromatin. 039887
Early *evolution* in the Pinaceae. 036128
Evolutionary and **ecological** relationships between Aquilegiaformosa and Aquilegia pubescens (Ranunculaceae), two perennial plants. 036487
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. **Estrus** *evolution* of puberty induced gilts and fertility results following artificial insemination. 034575
Evolution of **experimental** "mutator" populations of Drosophila melanogaster. 039748
Changes of scale in the study of the *evolution* of the **genetic** variance through selection in Tribolium castaneum. 039614
Patterns in **gymnosperm** *evolution* [Paleobotany]. 036132
Genetic mechanisms and the *evolution* of **heterosis** [Animals, plants, insects]. 034818
About the ways, directions and *evolutionary* **importance** of the reduction of biological structures [Parasitic Angiospermae]. 035913
On the *evolution* of **life** forms in the family Berberidaceae S. L. 036286
Evolution of the **mammalian** middle ear. 034070
Evolution of **meat** products handling and transportation. 031666
Evolution of **mineral** nutrition of Hevea in the Ivory Coast in function of vegetative cycle according to foliar diagnosis. 040957
Geographical patterns of *evolution* in **neotropical** Lepidoptera. Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091
Studies on CO2 [carbon dioxide] uptake and CO2 *evolution* in each **part** of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, corn and sorghum plant. 037544
Trilliums in Hokkaido. Cytogenetics of *evolution* and **population** of Japanese Trillium. A review. 036581
Genetic and *evolutionary* **relationships** between plastids and the nuclear-cytoplasmic system. 036542
Histological and cytological study of the tergal gland of Leucophaea maderea and its *evolution* during the **sexual** maturation of the male. 039625
The *evolutionary* **significance** of the social insects. 039786
Haplodiploidy and the *evolution* of the **social** insects. 039913
Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. *Evolution* of the **soil-covering** ability of the seeded species and some weeds. 037973
The *evolution* of **subdioecy** in morphologically gynodioecious species of Fuchsia sect. Encliandra (Onagraceae). 036488
Theoretical genetics of Batesian mimicry. II. *Evolution* of **supergenes** [Papilio dardanus]. 039863
Evolutionary **trends** in fossil gymnosperm pollen. 036129

EWES *see* **SHEEP**

EXCAVATION
A burned wood specimen from an **archaeological** *excavation* in Jerusalem. 035774
Excavated **sediment** traps prove superior to dammed ones. 040383

EXCHANGE
Studies on lichen-dominated systems. XIII. Seasonal and geographical variation of new CO2 [carbon dioxide] *exchange* of **Alectoria** ochroleuca. 036856
On the source of accumulation of *exchangeable* **aluminium** by reductants during gleyzation. 040737
Ion-exchange **analysis** in water-pollution. 041528
Russo-United States **botanical** *exchange* in 1841; some material evidence [History]. 035917
Nitrogen and **carbohydrate** *exchange* in poultry treated with ultraviolet radiation. 034237
Infrared study of *exchangeable* **cation** hydration in montmorillonite. 040763
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 [carbon dioxide] *exchange* in **Cetratia** nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859
The national water **data** *exchange*—how it will benefit you. 041331
Energy *exchange* in cotton in relation to its resistance to Fusarium wilt. 038802
Gas-blood pCO2 [carbon dioxide pressure] gradients during avian **gas** *exchange* [Chickens]. 034015
Gas *exchange* of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. 037037
Some results from research on **gas** *exchange* in the course of the respiration of the grapevine. 037724
Gas-energy *exchange* in swine when there is a change in feeding norms. 034521
Potentialities of **gene** *exchange* in selection programs for earliness, in some crosses between Egyptian and Upland cottons. 036381
Cytogenetic relationships and barriers to **gene** *exchange* in Arachnis [Peanuts]. 036611
Heat *exchange* during cooling fruit and/or vegetables in stacks or in bulk. 033347
Cutaneous **heat** *exchanges* of piglets reared in a tropical climate. I. Influence of climatic conditions and influence of the breed. 033748
Measurement of cutaneous **heat** *exchanges* in swine reared under shelter by means of the energy balance method. 033751
Heat *exchange* through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for off-season flowering of chrysanthemums]. 037711
Effects of net charge on the **hydrogen-deuterium** *exchange* parameters of [egg white] lysozyme. 033120
Nature of *exchange* and **hydrolytic** soil acidities. 040831
Automated quantitative analysis of wood carbohydrates by borate complex **ion** *exchange* chromatography. 035904
Ion *exchange* with Scenedesmus obtusiusculus [Algae]. 036723
The **library** *exchange* project of the US-USSR agricultural agreement. 031006
Magnesium in New Zealand soils. III. Availability of *non-exchangeable* **magnesium** to white clover during exhaustive cropping in a pot trial. 040700
Nitrogen *exchange* in potato plants damaged by S and M viruses. 038916
Ductal reabsorption of Na [sodium] in 1:1 *exchange* for K [**potassium**] in sheep parotid gland. 033934
Potassium-calcium *exchange* equilibria in volcanic-ash soils. 040768
Magnesium in New Zealand soils. II. Distribution of *exchangeable* and **"reserve"** magnesium in the main soil groups. 040699
The natural history of the Hardangerfjord. 12. The late summer **water** *exchange* in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an offshore population into the fjord in June, 1956. 037255
A statistical regression model of greenhouse tomato **water** *exchange.* 037718

EXCISION
Effect of nitrogen on the uptake of selenite-selenium by *excised* **barley** roots. 040865
Rapid metabolic changes in the wounding response of leaf discs [of tobacco] **following** *excision.* 037526
A kinetic study of phosphorus absorption by *excised* **maize** roots from flowing solutions with different phosphorus concentrations. 037366

EXCITATION
Development of *excitability* in **embryonic** chick skeletal muscle cells. 034045
Red cell and total blood volumes during **sexual** *excitement* and copulation in the boar. 034542

EXCRETION
Excretion of **ammonia** and inorganic phosphorus by Euphausia pacifica and Metridia pacifica at different concentrations of phytoplankton. 037046
Transformation and *excretion* of **drugs** in biological systems. XI. Renal excretion mechanisms of sulfonamides in rabbits. 033862
Changes in urinary water and **electrolyte** *excretion* in sodium-loaded sheep in response to intravenous infussion of arginine vasopressin. 034159
Excretion in **insects.** 039772
Auxin-induced hydrogen **ion** *excretion:* correlation with growth, and control by external pH [hydrogen-ion concentration]and water stress [Oats]. 037528
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary **metabolite** *excretion* in sheep. 034410
Nitrogenous *excretory* products of adults of Sitophilus oryzae and Sitophilus granarius [wheat]. 039270

Renal regulation of **phosphate** *excretion* in the pig. 034161
Transformation and excretion of drugs in biological systems. XI. **Renal** *excretion* mechanisms of sulfonamides in rabbits. 033862
Relatonship between **sodium** *excretion* and renin secretion by the perfused kidney [Dogs]. 034154
Separating the liquid and **solid** *excreta* in animal waste disposal. 041483
Passage of the intravenously administered 15N [nitrogen isotope] urea into the digestive tract and its *excretion* in **thesheep.** 033722
In **vivo** *excretions* of the blue-green algae Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
Studies on male sheep investigating the feeding value of *excreta* from **young** hens and broilers. 034314
Zinc *excretion* of lactating cows receiving varying levels of zinc. 034322

EXCYSTMENT

Effect of bacterial & fungal extracts & metabolic inhibitors on *excystment* of **soil** amoebae. 040659

EXECUTIVES

What an *executive* should **know** about organization development. 032613

EXERCISE

Delphi *exercises* in forecasting technology for the food industry in the United Kingdom. 032811
Role of catecholamines in thyroxine-induced changes in metabolism and body temperature during *exercise* in **dogs.** 033896
Effect of lactate on FFA [free fatty acid] and glycerol turnover in resting and *exercising* **dogs.** 034012
Left ventricular dynamics during recovery from *exercise* **[Dogs].** 034017
Relationship between turnover rate and blood concentration of lactate in *exercising* **dogs.** 034020
Metabolic abnormalities in obesity: **effect** of *exercise.* 032294
Concerning the **influence** *exercised* by air contained in heating steam of temperature drop in processes of heat transmission [Sugar processing]. 033306
Do cows **need** more *exercise?* 033629
Studies on the histostructure of skeletal musculature and some meat qualities of sows raised under different *exercise* **regimes.** 034246
Renal blood flow distribution during **steady-state** *exercise* and exhaustion in conscious dogs. 034021

EXHAUSTION

Renal blood flow distribution during steady-state exercise and *exhaustion* in **conscious** dogs. 034021

EXHAUSTS

Lead from **motor-vehicle** *exhausts* in sweet-corn plants and soils along a highway in Hawke's Bay, New Zealand. 039041

EXHIBITS

Agricultural *exhibitions* in Slovakia between the two World Wars, (1919-1945). 031018
Chinchillas, XXV. *[Exhibiting].* 033680
[Farm] **machine** *exhibition* at the summer cattle show. 040494

EXINE

Observations on *exine* **structure** of Eucommiidites and lower Cretaceous angiosperm pollen. 036343

EXOCRINE

Intracellular control mechanisms regulating secretion by *exocrine* and **endocrine** glands. 033939
Electrogenic sodium pump in *exocrine* **gland** cells. 033937
The acinar ion and water transport processes in *exocrine* **glands.** 033943
Relation between amylase release and changes in electrophysiological and morphological properties of cells in the *exocrine* **pancreas.** 033957
Stimulatory processes of the *exocrine* **pancreas** and their inhibition by a non-penetrating SH [sulfhydryl]-reagent. 033961
Role of calcium in *exocrine* **pancreatic** secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in rabbit pancreas. 033812

EXOGENOUS

Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of *exogenous* **abscisic** acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
Incorporation of *exogenous* **amino** acids into metabolism of winter wheat at different temperatures of growth. 037427
Acropetal transport of *exogenous* **beta-indolyacetic** acid in potato sprouts. 037857
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of *exogenous* **deoxythymidine** 5'-monophosphate in 5'-dTMP low requiring strains. 037125
The relationship between endogenous and *exogenous* **factors** in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Substitution of cellular fatty acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and *exogenous* **fatty** acids. 036822

EXOSTOSIS

Hereditary **multiple** *exostosis.* A comparative genetic evaluation in man and horses. 035347

EXPEDITION

Botanical *expedition* to some areas in Sumatra. 035916

EXPENDITURES

Household textiles consumption by farm and city families: assortment owned, **annual** *expenditures,* and sources. 032515
Common Market's budget under debate. *Expenditures* for the **dairy** sector in the limelight? 031356

EXPLANTS

Morphogenesis in *explants* of **Citrus** microcarpa bunge grown in vitro. 037754
Utilization of *explants* for **evaluating** susceptibility of oat cultivars to Septoria avenae f. sp. avenae. 038777

EXPLOITATION

Effective *exploitation* of each hectare of land [Productive capacity of agriculture, Five-Year Plan, pasture management of sheep]. 031891
Experiments to improve the *exploitation* of the **energy** potential of the fodder by speeding its passage through the intestine. 034335
Afforestation of bogs after **industrial** *exploitation* of peat [Pinus, Alnus, foliar diagnosis]. 035684
Results concerning the behaviour in *exploitation* of some **irrigation** systems, based on modern solutions, in southern Baragan and in the Oltenia plain. 041418
Formula **makers** *exploit* third world weaknesses. 032207
Improvement of cork quality through better **methods** of *exploitation.* 035787
Measurement techniques for the prospection, *exploitation* and **protection** of gas saturated underground waters as applied in Czechoslovakia. 041311
Utilization of all the parts of *exploited* **timber.** 035739

EXPLORATION

Best starting plant material. Structure of natural populations. **Plant** *exploration* methods. Observations on the collected material [Population genetics]. 036384
Gray leaf spot-resistant Lupinus angustifolius L. Germplasm from **plant** *exploration* in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596
Explorations of **principal** stress space with kaolin in a true triaxial apparatus [Soil testing]. 040586
Exploring our **vineyards.** Saint-Joseph [Wines]. 033452
An entire hidden world for *exploration* **[Water** resources]. 041224

EXPLOSION

Outcome of the energy **cost** *explosion* in relation to our position in international horticultural competition. 2. 031923
Preventive measures against **dust** *explosions* in the sugar industry. 033313
An *explosion* of **leaf** growth after stress conditions [Maize]. 037489

EXPORTS

Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine **abaca** *exports* by grade, 1970-74. 031980
U.S. **Agricultural** *export* shares by states, fisal 1975 [Statistics]. 031585
Where are our **cereals** going? *[Exports].* 031718
Settlement stalls on butter price increase *[Exports,* **Common** Market]. 031690
Analysis of Spanish **cork** *exports* compared with the corresponding Portuguese exports. 035782
Analysis of Spanish **cork** *exports* compared with the corresponding Portuguese exports. 035783
Eighty-three million dollars received from the United States for *export* of **cotton** [Colombia]. 031728
Raphia palms: the production of piassava in Nigeria [Oil, **fiber,** *exports].* 031703
Danish **fishmeal** *exports* off; oilseed needs may rise. 031604
Morocco seeks **larger** *export* trade in textiles. 031607
Meat *exportation* [Foreign trade, Argentina]. 031546
Malaysia's palm **oil** *exports* up. 031606
Analysis of Spanish cork exports compared with the corresponding **Portuguese** *exports.* 035782
Analysis of Spanish cork exports compared with the corresponding **Portuguese** *exports.* 035783
Rabbit rearing in Hungary: vocational occupation with *export* **possibilities.** 033657
Sugar in first place in Brazil **[Prices,** *exports].* 031557
Export **prospects** of the French milling industry. 031571
Ecology fears boost Kenyan **pyrethrum** *exports* [Insecticides]. 031605
USDA to continue monitoring all *export* **sales** contracts. 031614
Austria's 1974 *export* **trade** in meat. 031587
Export **trade** in meat and meat products within the OECD [Organization for Economic Cooperation and Development] area. 031588
The German Federal Republic's 1974 *export* **trade** in live animals. 031590
Export **turn-over** of foods in 1974, in the mirror of world market situation. 031574

EXPOSURE

Changes in the biological effectiveness of androgens after the *exposure* of **cockerels** to lindane. 035451
Changes in the metabolism of the shivering hind leg of the young ox during several days of continous **cold** *exposure.* 034158
DDT-resistance status and the effects of **DDT** *exposure* in relation to the vectorial capacity of Aedes aegypti (L.) for Brugia pahangi (Buckley and Edeson). 039444
On the possible development of radio-resistance in Sitophilus oryzae (L.) **following** *exposures* of successive generations to ionizing radiation. 039432
Induction of udpglucose dehydrogenase during development, organ culture, and *exposure* to **phenobarbital.** Its relation to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. 033801
Exposure by **phospholipase** A of receptors for sheep erythrocytes on human B cells. 034111
Thyroidal **radioiodine** *exposure* of the fetus [Animals]. 035412
Modification of metabolism in Virginia creeper [Parthenocissus tricuspidata] leaves from sunny or **shaded** *exposures.* 037141
The effect of concentration, *exposure* **time** and age of plant on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. 038774
The subcellular distribution of 239Pu [plutonium isotopes] in rat liver parenchymal cells after *exposure* in **vivo** and invitro. 033913

EXTENSION

Continuing education for *extension* **agents.** 032592
Advances in [Indian] **agricultural** *extension* education. 031040
Role in **agricultural** *extension.* 031082
Ward Stanger, *extension* **apiculturist,** retires. 040190
Pycnoporus cinnabarinus [Fungi], a misunderstood species ofthe ancients or polypore in view of *extension* in **Belgium** and the Grand Duchy of Luxembourg. 036072
Dredging *extends* northern agricultural area of Rio de Janeiro State [Sugarcane yields]. 041361
A career for you in agricultural and *extension* **education.** 031125
Environment and *extension* of the **green** cover [Honey plants]. 038558
Environment and *extension* of **green** cover [Natural resources, honey plants]. 041672
Extension and **marketing** of fertilizers in the Ivory Coast. 040958
Problems on curriculum development in *extension* **personnel** training. 031095
The mechanism of *extension* of the **pleural** pleat in adult Rhodnius prolixus. 039840
Aspects of **poultry** *extension* activities in New Zealand. 033631
Poultry *extension*—its need and scope [Education]. 033633
On possibilities of the *extension* of use of the **preparation** Gesatop 50 (simazine) [in forest nuseries and stands]. 039184
Range *extension* for Quercus dunnii in Central California. 036055
States vary in information support for [agricultural] *extension* and **research** programs. 030992
Thousands of county agents in each county of the United States **[Rural** *extension* service]. 031015
The effectiveness of **selected** *extension* methods in influencing farm improvements. 031115
Increased agricultural productivity and effective delivery system of *extension* **services.** 031094
Extending the **shelf-life** of garlic by gamma radiation. 033382
Pyrolysis of chitin, a potential **tobacco** *extender.* 032852
Activation of division and *extension* of **tobacco** tissue culture cells in the presence of 4-amino-3,5,6-trichloropicolinic acid. 037411
Extension **training** [for women]. 031081
Utilizing the independent [food] research organization to *extend* **uses** for a cost-cutting ingredient. 032816

EXTERMINATORS

Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, **Histeridae)**—*exterminators* of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408

EXTINCTION

Early intervention and *extinguishing* of **forest** fires by using a diesel Campagnola truck equipped with automatic spraying. 035474

EXTRACELLULAR *see* CELLS

EXTRACTION
Polyacrylamide-gel electrophoresis of messenger ribonucleic **acid** *extracted* from cells infected with pig herpes virus 1. 035216
The *extraction* and **analysis** of wheat phospholipids. 037516
Problems of *extracting* and **analyzing** certain aromatic compounds of dairy products. II. Methods of measurement. 032987
The effect of some procedural aspects in the *extraction* of **cassie** [Acaia farnesiana] essential oils on their yield, contents and properties. 037691
Nutritional regime of a **grist-free** *extraction* fed to high-performance cows—results of a one-year production experiment on 2000 cows. 034499
Electric **honey** *extractor.* 032876
Extraction and **identification** of clavine and lysergic acid alkaloids from morning glories [Ipomoea]. 037144
Extraction and **isomerization** of bitter substances of hops. 032727
Processing apples for wine material by **means** of *extraction.* 033460
Significance of *triton-extractable* **membranes** for IAA [indoleacetic acid]—chromatin interactions [Peas]. 037887
Assessment of feeding value of *extracted* **mustard** cake in starting growing phase of chickens. 034384
Extractives of **New** Zealand Nothofagus species. 1. Petroleum ether solubles. [Wood]. 035835
1,1,2-trichloro-1,2,2-trifluoroethane for **oilseed** *extractions* [Full fat and defatted soybean flake]. 033260
A comparison of three methods of *extracting* **organic** matter from soils and marine sediments. 040618
Lipid and **phospholipid** *extraction* from fungal mycelia. 032840
Extractable **protein** from the by-product vegetation of some cole and root crops. 033325
The yields of *extracted* **protein** and of residual fiber from potato haulm taken as a by-product [Feed]. 033507
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of *extraction* of **protein** fractions from seeds of plants [Wheat, rye, buckwheat]. 037344
Extraction and **purification** of tRNA from fruit tissues [of tomatoes, pears, and apples]. 037805
Gel-chromatographic method of **selective** *extraction* of synthetic dyes from food products. 032151
Simple *extraction* and bioassay of the female sex pheromone of the citrus mealybug, Planococcus citri. 039315
A method for *extraction* of **soil** moisture labeled with deuterium. 040719
A simple **solar** *extractor* [Apiculture]. 040209
Effect of excess hydraulic pressure on yield and composition of water-soluble **substances** *extracted* from larch wood. 035807
The *extraction* of **sugar** and non-sugars—optimization of the parameters: draft and sugar loss. 033308
Possibility of increasing the sugar yield by adding sulphur dioxide and calcium bisulphite during **sugar** *extraction.* 033312
Sugar *extraction* by diffusion under non-steady conditions. 033314
Effect of various technological procedures on the feeding properties of *extracted* **sunflower** meal and other commercial products. 034306
Extraction of **urease** from soil. 040797
Crambe [abyssinica] seed processing: removal of glycosinolates by **water** *extraction* [Crambe meal preparation]. 033551

EXTRACTS
Relation of the hydrogen-ion concentration of cow urine to pure **acid-base** *extract.* 034232
Investigation of **alcohol-benzene** *extracts* from the main soils of North Vietnam. 040844
Differentiation of cultivars and cultivar groups of Poa pratensis by the fluorescence of their **alkaline** *extracts.* 038150
Treatment of experimental poisoning produced by *extracts* of **Amanita** phalloides [Poisonious mushrooms, mice]. 035447
Nuclear magnetic resonance analysis of hydrogen and carbon isotopes of **azulene** *extract* derivatives of Eriocephalae punctulactus. 036860
Effect of garlic **bulb** *extract* on flowering, sex ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of garlic **bulb** *extract* on flowering, sex ratio, and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Glucanases in Schizosaccharomyces, isolation and propertiesof an exo-beta-glucanase from the **cell** *extracts* and culture fluid of Schizosaccharomyces japonicus var. varsatilis. 036817
Effect of garlic bulb **crude** *extract* on flowering, sex ratio and yield of squash. 038291
Effect of *extracts* and **distillates** of amended soil on the activity of Meloidogyne javanica [Okra, tomatoes]. 039003
Effect of bacterial & **fungal** *extracts* & metabolic inhibitors on excystment of soil amoebae. 040659
Quantitative analysis of dammarane type saponins of Panax and its application to the evaluation of the commercial ginseng tea and **ginseng** *extract.* 032869
Brinjal [eggplant] **leaf** *extract* induced resistance to virus infection in plants. 038904
Effect of Ginseng [Panax ginseng] *extract* on **lipid** and sugar metabolism. I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
Connection between protein content and **malt** *extract* yield in brewing barley. 033279
Use of **malt** *extract* as a nitrogen source for continuous cultivation of yeast Candida utilis. 037236
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to **meat** *extract* stimulation in anaesthetized cats. 034078
The effect of storage and culinary treatment of irradiated potatoes on the cytogenetic activity of *extracts* **obtained** from them. 032499
Contaminants present in materials commonly used to purify **plant** *extracts* for hormone analysis. 036960
Tannin-extract **production** from local materials: their utilization for tanning hides and skins. 033080
Microorganisms in gums. IV. Microbial degradation of plant exudates and **seaweed** *extracts.* 032155
The establishment of standards for a **set** *extract* is an important way of controlling the quality of fruit wines. 033478
Shrimp *extract* from prawn waste [Fishery products]. 032797
Effect of artichoke (Cynara scolymus L.) *extracts* on **urination** and salt voidance of rats. 034886
On reliability of [soil] chemical analysis data of **water** *extracts.* 040735
Occurrence of kynurenine aminotransferase in *extracts* of **yeasts.** 036849

EXTREMITIES
Continuous hypokinesia and its effects upon tissues and vessels of *extremities* in **experiment** [Dogs]. 033774
Exungulation of all *extremities* in a **female** elephant in consequence of a smallpox infection. 035155

EXTRUSION
Results with the *extrusion* of **corn** varieties grown in the Federal Republic of Germany. 033235
Effect of soybean meal, *extruded* **soybeans** and ground, raw soybeans on the performance of White Leghorn layers. 034494

EXUDATES
Biochemical roles of selenium and vitamin E in prevention of *exudative* **diathesis** in chicks. 035323
Sulphhydryl and disulphide groups in PSE [pale, soft, *exudative]* **meat** [Pork]. 032005
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of *exudates* from **normal** and mastitic udders of the heifer. 035012
Microorganisms in gums. IV. Microbial degradation of **plant** *exudates* **and seaweed** extracts. 032155
Molecular structure of the **polysaccharide** *exudate* from Acacia baileyana F. Muell. [Raw gum]. 032769
Effect of margosa & marigold **root** *exudates* on mortality & larval hatch of certain nematodes. 039001

EYES
Optical qualities of the fly [Diptera] *eye*—an **approach** from the side of geometrical, physical and waveguide optics. 039791
The *eye* **[Cats,** diseases]. 034895
Ultrastructural studies of development and light-dark adaptation of the *eye* of **Coccinella** septempunctata L., with particular reference to ciliary structures. 039940
Ultrastructure of the **compound** *eye* of the diploid female beetle, Xyleborus ferrugineus. 039674
Electron microscopic investigations on the structure of the photoreceptor cells in the **compound** *eye* of Ascalaphus macaronius (Insecta: Neuroptera). **(Preliminary note).** 039790
Sampling of the visual environment by the **compound** *eye* of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795
The **compound** *eye* in the opaque-eye phenotype of Drosophila **melanogaster.** 039938
Attractants for synanthropic flies: Identification of attractants and coattractants for Hippelates [collusor] *eye* **gnats** (Diptera: Chloropidae). 039467
Polarisation sensitivity in **insect** *eyes* with fused rhabdoms. 039793
Properties and functions of screening pigments in **insect** *eyes.* 039794
Genetics of *eye-gap* and **maroon-eye** mutants in the mosquito [Culex pipiens]. 039852
The compound eye in the *opaque-eye* **phenotype** of Drosophila melanogaster. 039938
Cutlery: **sharp** *eye* on care keeps kitchen humming. 032653
The morphology of the dorsal and **ventral** *eye* of the whirligig beetle Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). 039953

EYESPOTS
The inheritance of resistance to *eyespot* **(Cercosporella** herpotrichoides) in wheat. 036503
Pathogenicity of Cercosporella herpotrichoides to wheat, barley, oats and rye *[Eyespot* **disease].** 038821

FABRICIUS
Melanitis leda **bankia** *(Fabricius)* (Lepidoptera: Nymphalidae) in Sydney and on Norfolk Island. 039984
The amino acid requirements for larval development of the hymenopterous parasitoid Exeristes **roborator** *Fabricius* (Hymenoptera: Ichneumonidae). 039681
Life history of Precis hedonia **zelima** *(Fabricius)* (Lepidoptera: Nymphalidae). 039628

FABRICS
Carbonate in soil: A theoretical consideration on, and proposal for its *fabric* **analysis.** 2. Crystal tubes, intercalary crystals, K fabric. 040706
Role of magnesium chloride in crosslinking **cellulosics** *[Fabrics].* 032713
Rot-proofing properties of chemically modified **cotton** *fabrics.* 031945
An effective ammonia reactor for the continuous production of fire-retardant **cotton** *fabrics.* 031952
Effects of milk on fire-retardant **cotton** *fabric.* 031953
The effects of dyes on the flame retardancy of **cotton** *fabric.* 031960
Easily creasable DP [durable-press] **cotton** *fabrics.* 033166
Improving thermal and electrical conductivity of **cotton** *fabrics* by chemical plating. 033174
Migration of finishing agent in tubular processing of knitted **cotton** *fabrics.* 033176
New mineral dyes for **cotton** *fabrics.* 033177
Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. Crystal tubes, intercalary **crystals,** K *fabric.* 040706
Proceedings of the 13th cotton utilization research conference, New Orleans, Louisiana, May 14-16, 1973 **[Flameproofing** *fabrics,* processing]. 033181
Electron microscopy of **flame-resistant** *fabrics* [Cotton]. 031954
The thermomigration of aqueous binder dispersions during the manufacture of nonwovens **[Latex,** *fabrics].* 032915
Quantitative *fabric* analysis of Drammen clay using X-ray diffraction technique [Marine sediment]. 040678
Flame-retardant cotton and **synthetic** *fabric* blends. 031955

FACTORIES
Possibilities of increasing beef production under *factory-like* **conditions** through breeding measures. 034578
Grass—the **food** *factory* that also fights drought. 038184
Curative and prophylactic measures taken in a **poultry** *factory* [Infectious diseases, Kuibyshev Region]. 035233
Protection of the air basin of large livestock farms and **poultry** *factories* [Control of infectious diseases and of air pollution]. 035252
The technical level of Hungarian **soft-drink** *factories* and the quality of their products in 1974. 032788
Adsorption of the colouring matters of **sugar** *factory* juice on calcium carbonate. 033218
Sugar *factory* effluents. 041597
The use of sequential test plans for *factory* **supervision** of the quality of meat products. 2. Examples of the use of sequential three-decision plans. 032009
The forest is not only a **wood** *factory* [Conservation]. 035603

FADING
The Bitterroot [National Forest]—a *fading* **polemic.** II. 035564

FAGOPYRUM
A leaf blight [Alternaria alternata] of *Fagopyrum* **tataricum** in India. 038643

FAGUS
Drying of water- and sprinkler-stored **beech** *[Fagus].* 035732
Cell enlargement and tissue differentiation during leaf expsnsion in beech, *Fagus* **grandifolia.** 036291
Long time storage of beech *[Fagus]* **logs** under water sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733
An economic model for selection of [forest] tree varieties *[Fagus,* **Picea** abies]. 035641
Collapse phenomena in beechwood *[Fagus* **sylvatica]** during and after NH3 [anhydrous ammonia]-impregnation. 035905

FAIRS
Livestock at the **agricultural** *fair:* the goat. 033602
Livestock at the **agricultural** *fair:* sheep [Breeds]. 033603
Farm equipment at the **agricultural** *fair.* 040450
Market partners will be *fair* **[Agriculture].** 031696
Livestock at the **country** *fair:* cattle [Breeds]. 033604
Hiring *fairs* and arm servants' combinations in Scotland. 031306
This *fair* **land** [Landscape]. 041555

FALL
The rise and *fall* of **agricltural** trades unionism in England. 031307
Comprehensive report of observations in the summer and *fall* of 1975. II **[Apiculture].** 040231
Irrigation, nematicide **boost** *fall* rye production. 038991
Fall **calving** valuable for Ohio beef herds. 034769
Plants for *fall* **color** [Horticultural varieties]. 038260

Thoughts on the potato market in *fall* 1975. 031684
Dynamics of the formation and *fall* of **fruit** elements in different cotton varieties and forms. 037571
Linnaemyia **haemorrhoidalis** *Fall.* (Diptera, Tachinidae): a correction. 040022
Leaf *fall* and the rate of litter decay in some forest habitats [in relation to leaf production and saphrophage activity]. 036923
Falling **number** and amylograph viscosities of wheat flour made from grain stored for several years. 033281
Coniosternum **obscurum** *Fall.* (Diptera, Scatophagidae) in Wiltshire. 040017
A comparison of the production of the ground flora and of the rate of **organic** *fall* in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. 036922
The optimum timing and ways of *fall* **plowing** for subsequent sowing of sunflowers. 038200
Variation in the *fall* **rate** of plant debris from trees in the association Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park. 037910
Nebraska varietal tests of *fall-sown* **small** grains, 1975. 038094
Effects of SADH [Alar] *fall* **sprays** on the fruit set and yield of pear. 037837
Root regeneration of *fall-lifted* **white** spruce [Picea glauca] nursery stock in relation to soil moisture content. 035642
Fall and **winter** grove practices. 038286

FALLOWING

Results of winter wheat variety testing from **autumn** *fallow.* 038180
The tillage of a **clean** *fallow* for winter wheat. 038202
Sarcosporidiasis in red and *fallow* **deer.** 035157
Foliage arthropod communities of crop and *fallow* **fields.** 036240
Experience from *fallowing* of **grassland** for cropping in Rostock region. 038009
Fallow **land** increment and other phenomena of extensification [Soil conservation, Switzerland]. 041158
[Sowing winter wheat] after a clean and **planted** *fallow.* 038211

FAMINES

An international perspective on the **African** *famines.* 031798
Some obstacles to **eliminating** *famine.* 032550
Famines of **history** and of today. 032549
An international programme for *famine* **relief.** 032690
Famine in the **Sahel:** A brief report on the disaster, its causes, and remedial policies. 031899

FANNIA

Ecology of flies of the **genus** *Fannia* (Diptera, Muscidae) in Ivanovo district. 039967

FANS

Improved quality of wilted silage using a **swath** *fan.* 033493

FARMERS

Jefferson, Washington and other *farmers* [**Agricultural** history]. 031138
The leading ranks of the *farmers'* **associations** [History, sociology, Westphalia]. 031059
Active income policy for *farmers* [**Austria**]. 031770
Farmer **committee** administration of agricultural programs. 031260
Responsility of *farmers* in the **creation** of non agricultural work in rural environment. 031241
[Socio-economic] characteristics of **dairy** *farmers* in Bangalore milk-shed area. 031110
Needs and demands for *farmer* **education.** 031008
Appraisal of credit worthiness of **emergent-commercial** *farmers* in developing agriculture. 031413
Bookkeeping carried out by the *farmer.* 3. [**Farm** management]. 031443
More fertilizers mean more profit for *farmer.* I. 040890
Plans and achievements of Briansk **grain** *farmers.* 031936
Development trends in the education of wine **growers** and *farmers.* 031064
How Taiwan **homestead** *farmers* make methane [gas] work for them. 040343
Relative changes in prices received by *farmers* and **hourly** earnings of employees of food marketing firms. 031625
Leading *farmer* classes of today [Social organization, Europe]. 031047
Unsatisfactory taxation of help by **neighboring** *farmers* [Austria]. 031404
Plans of the Gorky **province** *farmers.* 031937
Tenant *[farmers]* **right** in Britain and Ireland. 031848
European agreement on social **security** for *farmers.* 031403
What prospects are there for the **tenant** *farmer?* 031206
Building associations promote building by *farmers* **themselves** [Switzerland]. 040364
Multiple job holding and leisure **time** [of *farmers].* 031035
Farmers by **vocation.** 031012
Young *farmers* and the structure policy [Land tenure, inheritance, family farms]. 031092

FARMLANDS

Using the automatic interaction detection (AID) model to obtain homogeneous classifications of *farmland* [**real** estate] markets. 031149

FARMS

Use of electronic data processing in *farm* **accounting** [Management, Austria]. 031244
New vistas in **agricultural** *farming* [India]. 031300
Maps of weeds on a scale of 1:10 000 at the *farms* of the **Agricultural** State Enterprise Sarulesti. 039160
Alberta *farm* business simulator (Altasim) a farm managementteaching tool. 031252
Simple chromosome banding technique for *farm* **animal** investigations. 034613
Water and electrolyte metabolism in *farm* **animals.** 034234
Some comments on the effect of leguminous plants on health conditions of *farm* **animals.** 034517
Domestication and population genetics *[Farm* **animals].** 034705
Legal regulation of breeding and reproduction of *farm* **animals.** 034858
Resource productivity on selected [mechanized and non-mechanized] *farming* **areas** on Punjab. 031240
Repair of **automatic** *farm* equipment [Costs]. 031427
There can be big tax savings when you **buy** a *farm.* 031466
Food & Chicanos at the *farm* **camps.** 032678
Productivity and price in **cattle** *farming.* 031547
Surgery and orthopedic equipment in large-scale **cattle** *farms.* 034949
Household textiles consumption by *farm* and **city** families: assortment owned, annual expenditures, and sources. 032515
The Dutch system of *farm* **classification.** 031168
Better **coffee** *farming.* 038549
Better **coffee** *farming.* Control of coffee berry disease (CBD) [Colletotrichum coffeanum] and leaf rust. 038739
Flow line management of labor in the postharvest processing of grain [on **collective** *farms].* 031397
Economic effectiveness of concentration of viticulture on **collective** *farms* [Costs, returns]. 031504
Industrialists constrained to yield after absurd strong-arm tactics [**Contract** *farming].* 031254
Advances in the field of *farm* **control** and wine research. 031302
Experience regarding the transition to industrial late cabbage production in the "Am Meer des Friedens" **cooperative** *farm,* Elmenhorst. 031287
Gradual concentration and specialization of **cooperative** *farms,* state farms and their interfarm cooperative institutions, a basic requirement of socialist intensification. 031288
The operative statutes and regulations of the **co-operative** *farms.* 031298
Intensification, concentration and specialization on the Oberbohmsdorf livestock production **cooperative** *farm* [Management, East Germany]. 031379
Proposals for the organization of forage supply on livestock **cooperative** *farms* with several lines of production [East Germany]. 031380
Farm **cooperatives,** the only solution for the problem of living costs. 031373
The *farm* **credit** corporation. 031436
Joint responsibility for a high level of **crop** *farming* and animal husbandry [Cooperatives, East Germany]. 031333
Agrochemical centres, present position and size of network, performance and results, and forthcoming tasks for intensification of **crop** *farming.* 031814
Effective use of urea as a nitrogen fertiliser in **crop** *farming.* 040911
Systematic and science-based fertilization for intensified mowing-threshing cropping. Experience and results of **crop** *farming* cooperative Prohn. 040919
Programming the yield of *farm* **crops.** 031391
Problems of modern intensive fertilizer application on *farm* **crops** in Bulgaria. 041032
Registration and operation of **dairy** *farms.* 8. 031259
The unicar system as a new technical method for the obtaining of basic data for **dairy** *farming.* 031264
Managerial analysis on the profitability of **dairy** *farming* in Tokyo: a case study. 031425
Economic analysis of veterinary services for udder health in industrialised **dairy** *farming* units [Costs]. 031490
Report of Committee on **Dairy** *Farm* Methods, 1973-1975 [Sanitation, regulation]. 032979
Breeding hygiene in industrialised **dairy** *farming* units. 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. 034748
Management is important in effluent disposal **[Dairy** *farms].* 041505
Environmental and economic impact of nutrient management on the New York **dairy** *farm* [Agricultural pollution]. 041658
Will death taxes be the **death** of your *farm?* 031498
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the **detached** *farm,* clustered village and radial settlement [History, USSR]. 031180
Agricultural technique in India as example of a **development[Mechanization** of *farming].* 040398
Amoebae of the Limax group in some species of *farm* and **domestic** animals. 035223
Economic profitability of crop enterprises in a **dry** *farming* area of Madhya Pradesh. 031449
Engineering aspects of **dryland** *farming.* 040333
A survey of mites in bulk grain stored on *farms* in **England** and Wales. 039414
An analysis of the determinants of *farm* **enlargement** in Northland, New Zealand. 031361
Efficiency of enamel varnish insulation on stator windings during operation of electric pumps in water *[Farm* **equipment].** 040392
Farm **equipment** at the agricultural fair. 040450
Chemicals for *farming* **essential** to intensifying agricultural production. 031036
Prospects for **Europe's** *farming* in the 1980s [Outlook]. 031812
Collective forage cultivation—an alternative to **expansion** of *farming.* 031354
Function oriented location for buildings, a prerequisite for cost saving production, adaptability and further **expansion** of *farms.* 040337
Stability of trees in forest shelterbelts of the Askania-Nova **Experimental** *Farm.* 035509
Ranch **facilities** planning. Basic color reasoning. 5. [Chinchilas]. 033619
Ranch **facilities** planning basic construction reasoning [Chinchillas housing]. 040349
Young farmers and the structure policy [Land tenure, inheritance, **family** *farms].* 031092
Stability and change 1300-1700: The socio-economic context of the self-perpetuating **family** *farm* in England. 031101
Gastric ulcer of swine in large scale [raising and **fattening]** *farms.* 035375
Clinical and laboratory research of cows on *farms* with **[fertility]** problems. 034848
[Soil] conservation blossoms on **'flower** *farm'* [Erosion]. 041206
Farm **food** [retail] marketing costs. 031562
Inflation: causes, impacts on agriculture, *farming* and **food,** suggested policies. 031634
Summary of main consequences of inflation on agriculture, **food** and *farming.* 031643
Actions in the private economic sector of agriculture, *farming* and **food** to control inflation. 031836
Farm **forestry** present and future. 035468
Farm **forestry** short course, Flock House, February 1975. 035469
Integrated reclamation [by irrigation] and *farming* of the **future.** 041258
Methane [gas] **generation** on a *farm.* 040344
Farm **grain** storage gives you more market muscle. 031719
Profitability of farming in the north of England, 1973-1974: results for selected **groups** of *farms.* 031501
Improvement of labor organization and wages in mechanized teams [in fiber flax **growing** *farms].* 031355
Professor Lehmann's "mile-line" put electricity on **Illinois** *farms.* 040369
The Great Depression: *farm* **ills** hit the cities [History]. 031142
A practical guide to tax planning using procedures for *[farm]* **income** equalisation. 031499
On the possibility of the acclimatization of **imported** *farm* [insect] pests. 039245
Reconsideration of the tax on potential *[farm]* **income.** 031424
Canada foresees 25 percent dip in *farm* **income** in 1976. 031453
Conversion and adaptation measures in secondary **income** *farms.* 031484
Investment furthering for main **income** *farms* capable of development. 031486
Measures to help main **income** *farms* which are not capable of development. 031488
Failure of research to reach the *farm* **[India].** 031041
Summary report on agricultural mechanization and development in **indigenous** *farm* machinery production in Thailand. 040404
Changes in farm structure and **individual** *farm* investment aids. 031408
Biological principles of the formation of the type of dairy cattle for enterprises and *farms* with **industrial** technology [Breeding]. 034804
Technology of housing individual categories of swine on our **industrialized** *farms.* 040391
The effectiveness of selected extension methods in **influencing** *farm* improvements. 031115
Nutrient cycle **inside** *farms* with large grassland [Fertilizers]. 041115
Soil nitrates following four years continuous corn and as surveyed in **irrigated** *farm* fields of central and eastern Colorado. 040677
Water polluted with detergents and hydrologic characteristics of *farm* **lands.** II. Investigations on the stability of [soil] structure. 040567
Gynecological dispensary system on **large** *farms* [Cattle, breeding]. 034852
The economic problems of feedstuf management on **large-scale** *farms.* 031460
Demonstrative studies on **large-scale** *farming* of beef cattle in the southern Kyushu District. II. An experiment on fattening steer calves by open-air management. 034348
Is it profitable to **lease** a *farm?* 031487
Clear arrangements prevent disputes *[Farm* **leasing].** 031203
Leasing *farms.* 031204
Farm **leasing** in North Dakota. 031359
System of centralized control of the state of technological equipment on **livestock** *farms* and complexes. 031392
Protection of the air basin of large **livestock** *farms* and poultry factories [Control of infectious diseases and of air pollution]. 035252
Effective utilisation of manure from **livestock** *farming* [Fertilizers]. 040912
Reproduction of organic matter in soil under conditions of industrialised crop and **livestock** *farming.* 040917
The technique of sprinkling with liquid waste from **livestock** *farms.* 041277
Wintergrazing beef cattle on **Louisiana** *farms* [Labor, management]. 031275
Prices and price indexes for **Louisiana** *farm* products, 19711975. 031569
[Farm] **machine** exhibition at the summer cattle show. 040494
Infrafactory cost accounting system for repair enterprises of "Sel'khoztekhnika" *[Farm* **machinery].** 031277

Research and development of *farm* **machinery.** 040474
International New Holland conference: more achievements *[Farm* **machinery].** 040501
Farm **machinery** and problems of unemployment in developing countries. 040540
Case studies on agribusiness according to the Harvard-Case method *[Farm* **management].** 031163
Applied research for counseling of *farm* **management.** 031242
Functionally suitable building sites, a prerequisite for competitive production, adaptability and the further existence of *farms* **[Management].** 031243
Requirements for economic analysis *[Farm* **management].** 031266
A computer-based method of examining students in *farm* **management.** 031280
Certain experiences concerning the *farm* **management** analysis of cattle-breeding on the Papa State Farm [Hungary]. 031297
Farm **management** analysis and research activities. 031303
Methodological questions of socialist prognosis of the agrarian complex *[Farm* **management].** 031320
Health, labor and fire protection as a task of *[farm]* **management.** 031327
High-quality milk and meat from all producers [Competition, *farm* **management].** 031328
Socialist competition as a comprehensive instrument of *[farm]* **management.** 031341
Improving the structure of feed production *[Farm* **management].** 031344
Intensification of meadow and pasture management in Leningrad Region *[Farm* **management].** 031345
Steady modernization *[Farm* **management].** 031349
The use of capital for two dairying systems; *farm* **management** section. 031417
Bookkeeping carried out by the farmer. 3. *[Farm* **management].** 031443
Alberta farm business simulator (Altasim) a *farm* **managementteaching** tool. 031252
Performance and pay, two factors to be watched by *farm* **managers** [East Germany]. 031337
South Carolina cash receipts from *farm* **marketings,** 1973 revised and 1974 preliminary. 031402
Agricultural engineering and productivity *[Farm* **mechanization].** 040397
Level of tractor power utilization on different operations *[Farm* **mechanization].** 040401
Large **mechanized** *farming* in the Sudan. 031395
Mercury and mink. I. The use of mercury contaminated fish as a food for *ranch* **mink** [Toxicity]. 035399
1974 annual report of the Southwestern **Minnesota** *Farm* Management Association [Costs, returns]. 031444
1974 annual report of the Southeastern **Minnesota** *Farm* Management Association [Costs, returns]. 031445
A **new** *farming* landscape? 038287
Profitability of *farming* in the **north** of England, 1973-1974: results for selected groups of farms. 031501
Part-time *farming.* The results of investigations into selected aspects of particular significance [Income]. 031430
Observations on the organisation of a unit improved **peasant** *farm* at the Institute of Agriculture, Ambo, Shoa Province, Ethiopia, 1969-1974. 031251
Planning and balancing feed supplies by using the German Democratic Republic feed evaluation system as a component of *farm* **planning** from 1976 on. 031338
Contemporary aspects of large-scale **poultry** *farming* in Czechosovakia. 031385
Estimating the average cost of egg production in Egyptian **poultry** *farms.* 031419
Methods for introducing fertilizer use into *farming* **practice.** 040961
Experiences of cooperative work in developing specialized plant and animal **production** *farms* in the German Democratic Republic. 031318
Proceedings in developing technics in respect of increasing labour and energy costs in *farm* **production.** 031347
Chilean agrarian reform. II. Its influence on *farm* **production** [Crop yields]. 031783
Course toward systematic growth of *farm* **production** [Policies, Poland]. 031888
Horizontal screen-conveyor centrifuges on the egg **production** *farms.* 040423
Land reclamation [by irrigation and drainage] and the problem of stability of the *farm* **production.** 041263
International trade [of *farm* **products**] and agricultural education. 031677
USDA [grade] standards for food and *farm* **products.** 031942
Proposed *on-the-farm* testing program for swine [Breeding]. 034734
An analysis of *farm* **record** keeping data in Nueva Ecija. 031325
Test of a **refrigerated** *farm* milk tank, type RM/DX 1600, rated volume 1580 liters, manufactured by Packo, Zedelgem (Belgium). 040514
Prerequisites and principles for the gradual adjustment of *farm* **regulations** [Collectives, East Germany]. 031339
Reorient *farming* and marketing techniques [Poultry]. 031708
Income and resource productivity of alternative **rice** *farm* cropping patterns in Bicol. 031471
Roofing *farm* buildings. 040351
Results and experience regarding the development of vegetable growing in the *farming* **sector** of Berlin. 038317
Detection of aflatoxin B1 in silkworm [Bombyx mori] larvae attacked by an Aspergillus flavus [Fungi] isolate from a **sericultural** *farm.* 040201
Ideas and arguments, *farm* **servants.** 031070
Existence maintenance and the furthering of **single** *farm* growth arguments, for and against state [West Germany] investment promotion. 031485
Single *farm* aid measures. 031489
Plot documentation and its adequate use for **socialist** *farms.* 031169
Improving the material-technical supply of **socialist** *farms* by centralized stock keeping [Equipment]. 040424
Elaboration of fertilizer recommendations in the German Democratic Republic and their use by **socialist** *farms.* 040988
Why to grow catch crop? A feed and protein **source** from the *farm.* 038081
Fertility and calf performance to weaning at **Southhampton** *farm.* 034794
Progress report on cow breed evaluation at **Southhampton** *farm.* 034796
Grass meal production on a **specialized** *farm.* 033556
Influence of shifting age on the rearing result of calves in **specialized** *farming.* 033608
Current standards and trends of deveopment of the **specialized** *farm* machinery repair service in the USSR. 040415
Farms **specializing** in industrialized cattle rearing. 033688
Bulgaria seeks Western know-how to **spur** *farming* [Management]. 031283
Gradual concentration and specialization of cooperative farms, **state** *farms* and their interfarm cooperative institutions, a basic requirement of socialist intensification. 031288
Certain experiences concerning the farm management analysis of cattle-breeding on the Papa **State** *Farm* [Hungary]. 031297
Analysis of information flow at the republic level in the administration of **state** *farm* production of Ukraine. 031388
Experiences on the acclimatization of the Limousine cattle breed at the Hajduszoboszlo **State** *Farm* [Hungary]. 034550
Experience of the **State** *Farm* I.A.S. Tulucesti-Galati in elevating fodder and seed alfalfa. 038144
Work with the personal creativity of engineers at the **state** *farm* Weimar, agricultural machinery. 040448
Agrochemical services for the collective and **state** *farms* of Belorussia [Fertilizers]. 040986
Landlord and tenant shares, 1974 *[Farms,* **statistics].** 031743
A fish *[farming]* **story** pans out, and world is better fed. 033692
Changes in *farm* **structure** and individual farm investment aids. 031408
Economies of size in **sugarcane** *farming* [Returns]. 031470
Activities of a specialized veterinary center on a large **swine** *farm* using the group system of rearing. 034938
Some experiences from five years of activity of a specialized veterinary center on a large **swine** *farm.* 034947
Experimental results regarding irrigation with sewage obtained from large complex **swine** *farms.* 041414
Four *farm* **tour** of Scandinavia. 031109
The residences of *farm* **tourists** [Tourism]. 031153
Training *farm* women for effective decision-making. 031312
The incidence of Clostridium botulinum in *farmed* **trout** raised in Great Britain [Food contamination]. 032077
On *farm* **water** storage. 041236

FARMWORKERS

Cost of unemployment insurance for *farmworkers* in **selected** states. 031414

FARNESENE

Sesquiterpene **hydrocarbon** *farnesene* and its relation to the apple surface browning, scald [during storage]. 033440

FARROWING

Studies on the use of artificial ultraviolet radiation in *farrowing* **houses** [Swine sanitation]. 034926

FASCIOLA

Experimental testing of chemical substances for their action on liver **fluke** *[Fasciola].* 035154
Fasciola **hepatica:** the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. 035179
The influence of pesticides on the oxygen uptake by miracidia of *Fasciola* **hepatica** (Trematoda) [Liver fluke]. 039530
Effect of rafoxanide (Flukanid) on sheep naturally **infectedwith** *Fasciola* hepatica. 035261

FASCIOLIASIS

Testing of sulfene and KP-5 for *fascioliasis* of **ruminants** [Cattle, sheep, liver fluke]. 035254

FASTENING

The strength of various furniture constructions, of their components and *fasteners.* I. 035773

FASTING

Metabolism of A cobalt 58 [isotope]-tagged vitamin B12 in normal and *fasting* **albino** rats. 032494
Isolation of the *acid-fast* **alpha-amylase** of Aspergillus awamori [Fungi] and study of its properties. 036773
Influence of dietary fat source on hepatic lipogenesis in the *fasted-refed* **chick** (Gallus domesticus). 033869
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and *fast* **contracting** skeletal muscles [Dogs, cats]. 034039
The occurrence of lipid in the oxyntico-pepticc cells of the proventriculus of the *fasting* **domestic** fowl [Chickens]. 033999
A comparative study of gamma-ray, *fast-neutron* and **ethyleneimine** mutagenic effects on Phaseolus vulgaris [kidney beans]chromosomes. 036470
The time-course of changes in mucosal architecture and epithelial cell production and cell shedding in the small intestine of the rat **fed** after *fasting.* 032364
Fast **food** concepts invade uncommon markets. 032546
Fast **food** gets an "A" in school lunch. 032687
Free cortisol in obesity; effect of *fasting* **[High** and low protein diets]. 032162
Mutagenic effect of gamma rays and *fast* **neutrons** on Pisum sativum [Peas]. 036480
Resistance to ketosis during **prolonged** *fasting* by rats fed on a diet containing undecanoic acid, an odd-carbon-number fatty acid. 032186
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of fibre populations in *fast* and slow **rabbit** muscles. 034130
Can *fast* **service** save the campus? 032545
Developmental changes in the structure and kinetic properties of myosin adenosinetriphosphatase of rabbit **skeletal** *fast* muscle. 034025
IBM cafeteria: programmed for *fast* **traffic.** 032655
Acute lethality after *fast-neutron* and **X-irradiation** of Tribolium confusum. 039903
Protein and caloric requirements of *fast-growing* **young** babies and their relationship to undernourished children. 032471

FATIGUE

Studies to specify exactly the **soil** *fatigue* test in soils used in horticulture. 041141
The reaction of some apple rootstocks and variety + rootstock combinations to **soil** *fatigue.* 041142
Identifying **soil** *fatigue* in growing apple plantations by means of the soil fatigue test. 041153

FATS

Differences in total lipid and *fatty* **acid** composition of doughnuts as influenced by lecithin leavening agent, and use of frying fat. 032196
Fatty **acid** compostion of lipids of some spices. 032790
Fatty **acid** composition of anchoviella and thrissocleus [Fishery products]. 032794
Fatty **acid** composition of rape seeds from Upper Austria. 033301
Fatty **acid** composition of oleaster [Elaeagnus angustifolia]pulp and pit oils. 033422
Surface distribution of the *fatty* **acid** side chains of phosphatidylethanolamine in mixed phospholipid vesicles [Hen egg yolk]. 033813
The different *fatty* **acid** composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal chromaffin granules [Cattle, rabbits, rats]. 034118
Recent findings on regulation of carbohydrate and *fatty* **acid** metabolism in ruminants. 034750
Influence of cytoplasms on the *fatty* **acid** composition of two maize inbred lines. 036559
Fatty **acid** composition of lipids in some species of marine algae [Codium fragile, Gracilaria vercosa, Undaria pinnatifida, Sargassum]. 036852
Environmental [pollution] aspects of *fatty* **acid** distillation. 041655
Chromatographic methods in the determination of absolute and relative configurations of *fatty* **acids.** 032863
Synthesis of a mixed triglyceride with two different *fatty* **acids:** symmetrical and asymmetrical palmitodiolene. 032908
Origin of di-isobutyl phthalate, a contaminant mimicking nonadecenoic acid in *fatty* **acids** of egg membrane lipids. 033124
Rigid polyurethane foams from diethanolamides of carboxylated [linseed and soybean] oils and *fatty* **acids.** 033258
Qualitative and quantitative studies of the metabolism of *fatty* **acids,** in particular that of linoleic acid, in calves. 033772
Study of esterified fatty acids in the blood serum and total content of *fatty* **acids** in the feces of calves reared on different types of feeding. 034224
The effect of catecholamines on the metabolism of glucose, *fatty* **acids,** and on the heart frequency in goats. 034226
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of *fatty* **acids** in the presence of bile salts [Sheep, feeding]. 034345
Micellar solubilization of *fatty* **acids** in aqueous media containing bile salts and phospholipids [Sheep, feeding]. 034346
Catabolism of *fatty* **acids** by chicken liver homogenates incubated with margaric, stearic and linoleic acids [Animal nutrition]. 034423
Screening for *fatty* **acids** in oilseed breeding programmes using lipase and paper chromatography. 036564
YATP [adenosine triphosphate] value in Candida tropicalis grown on n-alkanes, *fatty* **acids,** and acetate. 036834
Automated *fatty* acid analysis. 032862

Fat **babies:** prevalence, perils and prevention. 032217
Rapid wet-ashing of **biogenous** *fats,* oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under high temperature and pressure. 032820
Total **body** *fat* and muscle predicted by simple anthropometric field measurements. 032325
The influence of dietary fat on the composition of the **body** *fat* of infants. 032432
The in-vivo-determination of total **body** *fat* with "DDE" (1,1-dichloro-2,2- bis (p-chlorophenyl-)ethylene) [Chickens]. 039601
Lipase and unspecific esterase activity in the *fat* **body** of Aedes aegypti L. 039607
The effects of allatectomy on the lipid composition of the *fat* **body** and haemolymph of adult Locusta [migratoria migratorioides]. 039686
Electrophoretic analysis of proteins of salivary glands and *fat* **body** in the development of Drosophila melanogaster. 039693
Effect of dried grass and whole grain in the diet of early-weaned lambs on performance and **carcass** *fat* quality. 034296
Substitution of **cellular** *fatty* acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and exogenous fatty acids. 036822
Influence of selection, age, sex and feeding on meat retention and *fat* **content** of ducks. 033670
Development of cheese-flavored dairy spreads with **controlled** *fat* content. 032961
Deep *fat* frying & hospitals. 032622
1,1,2-trichloro-1,2,2-trifluoroethane for oilseed extractions [Full *fat* and **defatted** soybean flake]. 033260
A comparative evaluation of rapid methods for **determining** *fat* content of ground beef. 033087
Effect of cold acclimation on changes in blood metabolites induced by *high-fat* **diet.** 032381
The influence of **dietary** *fat* on the composition of the body fat of infants. 032432
Influence of **dietary** *fat* source on hepatic lipogenesis in the fasted-refed chick (Gallus domesticus). 033869
Features specific for the influence exerted by excess amounts of qualitatively **differing** *fats* on liver lipogenesis. 032485
Influence of qualitatively **differing** *fats* on the cholesterol level ina the liver and blood serum in cases of choline-proteinic deficiency. 032490
Study of **esterified** *fatty* acids in the blood serum and total content of fatty acids in the feces of calves reared on different types of feeding. 034224
Substitution of cellular fatty acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and **exogenous** *fatty* acids. 036822
Fight against *fatness.* 2. 032399
Effect of lactate on FFA [**free** *fatty* acid] and glycerol turnover in resting and exercising dogs. 034012
Differences in total lipid and fatty acid composition of doughnuts as influenced by lecithin leavening agent, and use of **frying** *fat.* 032196
Manipulation of **galactolipid** *fatty* acid composition [of wheat] with substituted pyridazinones. 037523
Ice cream is a *low-fat,* **highly** nutritious food. 032175
Polyploidy in *fat-body* of **honeybees** [Apis mellifera] duringlarval growth and development. 040249
Application of Carbowax 20M as an open-tubular liquid phase in analyses of nutritionally **important** *fats* and oils. 032368
Influence of substrate n-alkane composition on lipid biosynthesis by the yeast Candida guilliermondii [Animal feed, **industrial** *fats].* 033502
Study of the effect of forage mixtures with stabilized and non-stabilized **knackery** *fat,* used after storage, for fattening pigs. 034538
Biotin deficiency and *fatty* **liver** and kidney syndrome in chicks given purified diets containing different fat and protein levels. 034344
In vitro synthesis of lipids in relation to some hematological indexes in rats. 1. High cellulose, **low** *fat* content in feed. 034528
Continuous sheeting and packaging of pastry type and other *fats* [**Margarine,** butter]. 032969
Carbohydrate-fat **metabolism** in the digestive system of calves fed milk with the addition of formaline. 034488
Fat **metabolism** in higher plants. The function of acyl thioesterases in the metabolism of acyl-coenzymes A and acyl-acyl carrier proteins. 036782
Fat **metabolism** in higher plants: production of short- and medium-chain acyl-acyl carrier protein by spinach stroma preparations treated with cerulenin. 037653
Effect of standardization of buffalo **milk** *fat* of soft cheese yield and properties. 032936
Ultrastructure of the **milk** *fat* globule membrane with and without triglyceride. 032952
Use of **milk** *fat* fractions for improvement of butter spreadability. 033006
Milk sugar, an ingredient of *fat-free* **milk** solids for ice cream manufacture. 033036
Dietary protein, *fat,* and **minerals** in nephrocalcinosis in female rats. 032385
The influence of *fat* **mobilizing** substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic acid metabolism in the laying hen. 033989
Resistance to ketosis during prolonged fasting by rats fed on a diet containing undecanoic acid, an **odd-carbon-number** *fatty* acid. 032186
Fats, **oils** and meals plentiful in 1976. 031580
Investigation of the oils of Anethum graveolens [Essential and *fatty* **oils**]. 032770
The use of *fats* and **oils** as a source of energy in mixed feeds [Chickens]. 034373
The influence of fat mobilizing substance and dietary linoleic acid on blood **plasma** *fatty* acid composition and linoleic acid metabolism in the laying hen. 033989
Genetical and physiological investigations on mutants for **polyenoic** *fatty* acids in rapeseed, Brassica napus L. I. Selection and description of new mutants. 036718
The biological effects of **polyunsaturated** *fatty* acids. 032212
Fats in **poultry** feeding. 034298
Biotin deficiency and fatty liver and kidney syndrome in chicks given purified diets containing different *fat* and **protein** levels. 034344
Investigation on *fat* **quality** of embryo, endosperm and crush fractions of maize kernel. 033304
Investigations on *fat* **quality** of maize with special considerations of linoleic acid contents. 033305
Studies on estimating the daily meat gain in swine by means of the *loin-fat* **quotient,** with consideration of net increase. 033674
Role of geometrical structure of *fatty-acid* **radicals** in dehydrated castor oil in its reaction with styrene. 032859
Subcutaneous *fat* thickness of beef carcasses. 033041
The relationship of visual scores, body measurements, and *fat* **thickness** with performance and composition of bulls on 140-day feed test. 034800
Influence of reduced diets on the glucose-6-phosphate-dehydrogenase activity of the *fatty* **tissue** in patients with metabolic-alimentary adiposity. 032491
Occurrence of lipoprotein lipase in the *fat-body* of **Triatomamaculata** [Vector of Chagas' disease]. 039452
Genetic analysis of a population of Tribolium [castaneum]. V. Viability of the **unsaturated** *fatty* acid sensitive mutant. 039654
Effect of **varying** *fat* and protein levels upon some fundamental characteristics of the lipid and protein metabolism in the blood serum and upon the body composition of growing rats. 034307
Fat-soluble **vitamins:** where we are and where we should go. 032280
On the volatile bases and the **volatile** *fatty* acids in pork during the storage at low temperatures [Keeping quality]. 033045
Changes of **volatile** *fatty* acids and riboflavin in cecal contents of rabbit in the in vitro fermentation. 034087
Effect of different types of rations on some characteristics of the ruminal and intermediary metabolism in sheep. 1. Formation of **volatile** *fatty* acids. 034305
Yellow *fat* in sheep. 033099

FATTENING

Meat production from buffalo male calves at different **ages** *[Fattening].* 034265
Development of joint agricultural enterprises for swine **breeding** and *fattening.* 033687
Comparative study on the effect of *fattening* **Bulgarian** Brown bull calves and F1 Black Pied crosses. 034534
Results on feed consumption and nutrient requirement in intensive **bull** *fattening* as obtained in fattening test stations. 034324
Intensification of beef cattle production by achieving high carcass weights in *fattening* **bulls.** 033108
Beet pulp and dried manure as a nitrogen source (protein) substitute for *fattening* **bulls.** 034327
Cooperation functions at Bernolda di Campagnola: a **calf** *fattening* center in Emilia. 033601
Preparing and using maize grain silage with high humidity rate as fodder for *fattening* **cattle.** 033573
Systems of *fattening* **cattle** in southwest Virginia. 034479
In vitro study on the mechanism of ammonium chloride on the prevention of urolithiasis in *fattening* **cattle.** 035352
Mechanization of **cattle** *fattening* units. 040480
Soaking of **complete** *fattening* rations high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on nutritional value [Cattle]. 034275
Fattening **early** weaned lambs. 034394
Equipment for total collection of feces from lambs during suckling or *fattening* and for **ewes.** 040453
Gastric ulcer of swine in large scale [raising and *fattening]* **farms.** 035375
Veternary aspects of first experience gained with **folding** *fattening* cattle in forests. 034928
Energy and economic problems of air conditioning in plants for **industrialized** *fattening.* 040318
Early weaning and **intensive** *fattening* of lambs. 034361
Big gain in weight of lambs submitted to **intensive** *fattening,* led to intensive fattening, fed with adequate rations. 034484
Technological flux in *fattening* **lambs** and sheep. 034485
Fattening and slaughter performance results of German Black Pied young bulls as influenced by feeding intensity. 1. *Fattening* **performance** of young bulls under varying feeding intensities. 034323
Influence of feeding level on the *fattening* **performance** and carcass quality of Black Pied bulls. 034498
Breeding for *fattening* **performance** and carcass quality in the mutton sheep population. 034829
Determination of lysine and methionine requirements. II. Establishment of amino acid supplies in *fattening* **pigs** by the determination of certain parameters of the blood plasma. 034249
The value of meat and bone meal as the major protein concentrate in the diet of weaners and *fattening* **pigs** in the tropics. 034377
Study of the effect of forage mixtures with stabilized and non-stabilized knackery fat, used after storage, for *fattening* **pigs.** 034538
Fattening and **slaughter** performance results of German Black Pied young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
The influence of different feeding intensities on the *fattening* and **slaughter** performance of young bulls. 034500
Demonstrative studies on large-scale farming of beef cattle in the southern Kyushu District. II. An experiment on *fattening* **steer** calves by open-air management. 034348
Fattening **swine** in Austria with productive protein. 034360
Use of field beans in **swine** *fattening* [Effects of feeding]. 034397
Analysis of feed economy at the Wildberg industrial **swine** *fattening* plant, in the Neuruppin district [Nutritive value, livestock managment]. 034496
Some information of **swine** *fattening* in the Jindrichuv Hradec district. 034518
Testing of Mecadox, a nonantibiotic growth stimulant, for **swine** *fattening* in field conditions. 034519
Importance of microclimate in the complex of hygienic measures for *fattening* **swine.** 034942
Results on feed consumption and nutrient requirement in intensive bull fattening as obtained in *fattening* **test** stations. 034324
Experience gained in the summer (outdoor) *fattening* of **young** bulls. 034497

FAUNA

On the ecology of caddisflies (Trichoptera) from mountain streams of southern Tien-Shan (The *fauna* of the **Ak-Bura** river). 039717
Chloropidae (Diptera) of bamboos of the genus Sasa Makino et Shibata on Sakhalin and the Kuril islands. II. General **analysis** of the *fauna.* 040069
The effect of Dendrobacillin on insect and **arachnid** *fauna* of oak forests of the trans-Carpathian region [Forest pests, biological control]. 039394
Arachnid *fauna* from Bohemia and their thermophile components. 040150
Fauna **Argentinensis** . VII. The Nahuel Huapi National Park. 316. Contribution to the morphology and systematics of the Scolytoidea. 040144
Forestry and **bird** *fauna.* 035495
Paraceras melis (Waker), Siphonaptera, a new species for the *fauna* of **Bulgaria.** 040004
Dung as an insect food source: dung beetles as competitors of other **coprophagous** *fauna* and as targets for predators. 039819
Thrips (Thysanoptera) of the **Crimean** *fauna.* II. 040076
Materials on the *fauna* and **ecology** of Apoidea (Hymenoptera) from the lower Don. VI. Review of tropic links. 040051
Herbicides and *fauna.* III. **Effects** of herbicides on the embryonal and post embryonal development of Bufo vulgaris L. and enzymatic modifications in the larvae [Toxicity]. 039525
Some effects of soil type and crop density on the activity and abundance of the **epigeic** *fauna,* particularly Carabidae, in sugarbeet fields. 039291
The endemism and *fauna* **formation** of Grylloidea (Orthoptera) in Central Asia [USSR]. 040163
New data on the *fauna* of **Gelechiidae** (Lepidoptera) from the European part of the USSR [New taxa]. 040052
The Coleoptera of the Ehime University Forest. II. Researches on the *insect-fauna* of **Komenono** University Forest. 5. 039999
Ecological-geographical review of the *fauna* of **leaf** beetles (Coleoptera, chrysomelidae) in central Kazakhstan. 040173
Limitations in the use of herbicides—the protection of wild flora and *fauna* [**Netherlands**]. 039191
Faunistic **notes** on Hemiptera from Finland. I. 040131
Relict elements in the *fauna* of **oribatoid** mites of Siberia. 039695
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the *fauna* of **Poland** parasite of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
On the *fauna* of **predatory** mites of Phytoseiidae (Parasitiformes) from the Yaroslavl district [New taxa]. 040053
Ectopsocopis cryptomeriae (Enderlein, 1907) a remarkable species of the Yugoslavian **Psocoptera** *fauna* (Peripsocidae, Psocoptera). 040007
Revision of the genus Heliococcus Sulc (Homoptera, Coccoidea) in the **Soviet** *fauna.* II. 040073
Beetles of the family rhipiphoridae (Coleoptera) from the *fauna* of the **USSR** I. [New taxa]. 040048
Two new to **USSR** *fauna* genera of Oniscomorpha (Diplopoda), found in Transcaucasia and their zoogeographical connections. 040179

FEATHERGRASS

Ecology and hydrogeological role of *feathergrass* [**Lasiagrostis** splendens] communities in the sandy deserts of the northern Aral region. 036250

FEATHERS

Chicken without *feathers?* 035316
The quality of **goose** *feather.* 031964
Apparent amino acid digestibility of *feather* **meal** with laying hens. 034383
Parasitic mites of Surinam. XXXII. New species of *feather* **mites** (Sarcoptiformes, Analgoidea). 040082
Forcing the shedding of *feathers* in **poultry.** 033625

FECES

Study of esterified fatty acids in the blood serum and total content of fatty acids in the *feces* of **calves** reared on different types of feeding. 034224
Parasites in reindeer **calves**—*feces* examination. 035172
A comparative study between the pour plate method and the method of the most probable number (M.p.n.) for the enumeration of coliforms, Enterobacteriaceae and *fecal* **coli** in. 032109
Persistence of *fecal* **coliform** indicator bacteria on alfalfa irrigated with municipal sewage lagoon effluent [Health hazards to livestock]. 041353
Studies on the Clostridia content of Finnish silage and **cow** *feces* [Dairy hygiene]. 033560
Mechanization of *fecal* **diagnosis** for verminosis [Livestock]. 035245
Equipment for total collection of *feces* from **lambs** during suckling or fattening and for ewes. 040453
Detection of Yersinia enterocolitica in the *feces* and **meat** of pigs, bovines and poultry. 035062
Bifidobacterium as an indicator of *faecal* **pollution** in water. 041630
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria [Escherichia coli] from the *feces* of **sheep.** 041602
Digestibility of untreated and sodium hydroxide treated **steer** *fecal* waste. 034466
Nutritive value of **swine** *feces* for swine. 034476

FEED

Processing **affects** *feedlot* profit potential [Costs]. 031451
Nutritional composition of Latin **American** *feeds.* 033525
Collective terms for feed ingredients [Association of **American** *Feed* Control Officials]. 033562
Interventions of the physiological stage [parturition, lactation] and iodine in the *feed* on the **amount** of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
World cereal supplies and trade and usage for **animal** *feeds.* 031647
Influence of substrate n-alkane composition on lipid biosynthesis by the yeast Candida guilliermondii [**Animal** *feed,* industrial fats]. 033502
Beet top utilization [as **animal** *feed].* 033505
The [French] National Institute of Agronomic Research at the service of the **animal** *feed* industries. 033510
Experience of **animal** *feed* production in Barbados and the eastern Caribbean. 033521
Factors limiting the production of animal products in the tropics, with particular reference to **animal** *feeds.* 033522
The potential of single cell protein for **animal** *feed.* 033529
The standardisation and control of quality of **animal** *feeds.* 033531
World production and utilization of fishmeal and factors affecting quality and marketability [**Animal** *feeds].* 033534
Cell protein as **animal** *feed* from thermophilic digestion of swine wastes. 033535
Economic feasibility of waste as **animal** *feed.* 033538
The potential of crop residues as commercial **animal** *feed.* 033543
Waste utilization as **animal** *feed* in the U.S. 033544
Processing **animal** *feeds.* 033565
A possible enzymic assay for trichothecene mycotoxins in **animal** *feedstuffs.* 033580
The use of coffee processing waste as **animal** *feed* [Calves]. 034372
Rational use of *feeds* in **animal** production. 034514
Mycotoxin determinations on **animal** *feedstuffs* and tissues in Western Canada. 035401
Rubratoxin B [as contaminants of **animal** *feeds,* dogs, toxicity]. 035416
Planning and **balancing** *feed* supplies by using the German Democratic Republic feed evaluation system as a component of farm planning from 1976 on. 031338
The *feed* **budget** and production management. 031350
The yields of extracted protein and of residual fiber from potato haulm taken as a **by-product** *[Feed].* 033507
Feed **cakes** and proteins in 1974. 033546
Recirculation of refuse as **cattle** *feed.* 033515
Analysis of Cassia tora (Chirota seeds) from Indore division of Madhya Pradesh *[Feed,* **cattle].** 034390
Nitrogen in soil cores and ground water under abandoned **cattle** *feedlots.* 040674
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and *mast* **cells,** calcium and calcium ionophores [Posterior pituitary hormones]. 033952
Biochemical and nutritional evaluation of various treatments of **cereals** *[Feeds].* 033545
Self-cleaning of drinking vessels by *feed* **chains** rotating horizontally. 040328
Influence of the presence of rape cake in the **chicken** *feed* on egg laying performances. 034392
Straw as **coarse** *feed.* 033590
Commercial *feed* drying systems for processing & utilizing waste as feed. 033537
Forest products as **commercial** *feed.* 033539
Is there a risk with **commercial** *feed* [for honey bees?]. 040296
Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, fungal flora on agricultural **commodities,** *feedstuffs].* 032114
Pest control and storage problems in *feed* **commodities** in tropical and subtropical countries. 039431
Cereals as *feed* [**Composition,** consumption]. 033498
Some problems of manufacturing and marketing **compounded** *feeds* in developing countries. 033527
Press for granulation GM-500 *[Feed* **compressing** equipment]. 040532
Concentrate *feeds* for livestock in Trinidad and Tobago: an economic view of developments since 1960. 033518
Feed **concentrates** as meal, grain, or pellets for laying hens? 034433
Results on *feed* **consumption** and nutrient requirement in intensive bull fattening as obtained in fattening test stations. 034324
Calorie requirements and *feed* **consumption** [Fur animals]. 034357
Problems of economizing in *feed* **consumption.** 034429
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of growth and *feed* **consumption;** clinical remarks; anatomico-pathological. 035402
Metabolism of zearalenone by Fusarium roseum graminearum [Food, *feed,* **contamination].** 032069
Use of water slurries in aflatoxin analysis [Food, *feed,* **contamination].** 032071
Monoacetoxyscirpenol, a new mycotoxin produced by Fusarium roseum Gibbosum *[Feed,* **contamination,** toxicity, cattle]. 033550
In vitro synthesis of lipids in relation to some hematological indexes in rats. 1. High cellulose, low fat **content** in *feed.* 034528
The relationship of visual scores, body measurements, and fat thickness with performance and composition of bulls on **140-day** *feed* test. 034800
Trial of the elimination of aflatoxin in groundnuts by physical methods *[Feed* **decontamination].** 033533
Structural changes in [wheat] straw as affected by rumen microflora [Cattle, *feed* **digestibility].** 034522
How to **economise** on *feed.* 034461
Analysis of *feed* **economy** at the Wildberg industrial swine fattening plant, in the Neuruppin district [Nutritive value, livestock managment]. 034496
Growth of broilers and the utilization of the energy of *feed* as **effected** by the addition of DL-triptophane. 034492
Effect of the rearing technique from birth to 8 months of age on the growth, *feed* **efficiency,** carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Failure of supplemental zinc-proteinate, zinc sulfate and methionine to stimulate growth rate and *feed* **efficiency** of swine. 034470
Food, *feed,* and **energy** [Costs]. 031426
Estimating *feed* production requirements [on a national scale, fur animals]. 031570
Processing poultry industry wastes as *feed:* the **European** experience. 033540
Evaluating *feed* qualities of rye varieties. 033584
Tax **exempt** *feed* concentrates during a critical period do not cost the government a coin [Costs, dairy cattle]. 031479
Growing and using **fababeans** [as *feed].* 038441
Quality control on *feeds:* a must. 033568
Effect of **feeding** *feed* mixtures containing various amounts of animal protein. 034251
Fermented *feed* production from rice straw. 033499
Energy and crude fiber content of *feed* and **fertility** disorders in cows. 034507
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and *feedlot* **finishing** programs [Beef cattle]. 034443
Particle sizes of **fluid** *feeds.* 033494
Single cell protein—**food** or *feed.* 032333
Algae from mass cultures as potential source of proteins [for **food** and *feed].* 038552
Availability and nutritional value of *feed* **[Fur** animals]. 034501
Moisture conservation in *feed* **grain.** 033513
The fatted calf: more weight **grain** with less *feed.* 034486
Spanish growers turn to *feed* **grains.** 033496
Effect of **granular** *feeds* on metabolism in sheep. 034509
The **grazing** *feed* intake of Hereford and Brahman cross cattle in a cool temperate environment. 034403
Economy and saving of concentrates with hot air drying of **green** *feeds.* 033586
Digestibility and the use of nutrients of **green** *feeds* by lactating cows. 034520
Zeranol implantation in grazing heifers and in combination with melengestrol acetate in *feedlot-fed* **heifers.** 034482
Rape problems at the IV International Congress in Giessen [as source of oil and **high-protein** *feed].* 038096
Straw, a fixed component of our *feed* **industry** [East Germany]. 033579
Using rapeseed meal as a *feed* **ingredient** for pigs. 034253
Collective terms for *feed* **ingredients** [Association of American Feed Control Officials]. 033562
Current trends in **international** *feed* standards. 033519
International *feed* nomenclature. 033523
Current research on livestock nutrition and *feeds* in **Japan.** 2. 034269
Comparison of batch and semicontinuous cultures for production of protein from mesquite [Prosopis] wood by Brevibacterium sp. **JM98A** *[Feed].* 033506
Let's *feed* people and animals [The place of animal productsin our diets]. 032168
Value of herring-/fish meal **[Livestock** *feed].* 033559
Utilisation of pyrethrum wste products as a **livestock** *feed* [Cattle]. 033928
New links in the selenium cycle **[Livestock** *feed].* 034256
Technical problems of **manufacturing** *feed* protein. 033547
Full *feed* and **mechanization** in cattle feeding [Equipment]. 040493
Determination of tryptophan in *feeds* by different **methods.** 033501
Hygienic aspects of **mink** *feed* [Bacterial contamination]. 033581
Poultry waste products as *feed* for **mink.** 033582
Soymeal as *feed* for **mink.** 033583
Poultry manure as *feed* for **mink.** 034505
The economic advantage of pelletization of **mixed** *feed* in Mongolia. 033548
Quality evaluation of industrially prepared **mixed** *feeds.* 033578
The **mixed** *feed* industry and the animal improvement sector. 034330
The use of fats and oils as a source of energy in **mixed** *feeds* [Chickens]. 034373
The use of some by-products in *feed* **mixtures** for animals [Cattle, sheep]. 034375
Use your *feed* to make more **money.** 10 [Cattle, returns]. 031483
Comparative productivity of grain legumes [for food and *feed,* **Mordvinian** ASSR]. 038190
Indentification of fungi and their effects on animals **[Mycotomins,** *feed].* 033564
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of digestible crude protein to total digestible **nutrients** of *feedstuffs.* 034426
Evaluation of the *feed* **[nutritive]** values of root crops. 033555
Supplemental feeding of steers on everglades pasture. Effect on pasture and *feedlot* **performance** and economics of production [Income]. 034350
A preliminary evaluation of mecadox [in **pig** *feeds].* 034459
The use and abuse of antibacterial drugs in **pig** *feed.* 034460
Feed **pollen** supplements [Apis mellifera]. 040256
Rubber seed meal as a **potential** *feed* ingredient for poultry. 034387
Development of production of equipment and machines for *feed* **preparation** [in Slovakia] up to 1918. 040451
Cleansing of wastewater from the *feed* **preparation** area for fur-bearing animals [Pollution]. 041622
Analysis of the status of development of partial processes based on model calculations, illustrated by the production of wilted plants *[Feed* **processing].** 033492
Improving the structure of *feed* **production** [Farm management]. 031344
Plant production: genetic methods to improve food and *feed* **production** [Research projects, Italy]. 036558
Contribution to the planned concentration and specialization of *feed* **production** [Cattle]. 038054
Lesser known oil seeds: a note on their nutritive value as determined by in vitro digestion [Concentrated **protein** *feeds].* 033524
Substitution of lysine-supplemented high-protein wheat in **protein** *feeds* fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in **protein** *feeds* fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Possibilities of substituting feeds of animal origin by plant **protein** *feeds* in broiler production. 034395
Annual forage legumes, a source of *feed* **protein** [Cultivation]. 038037
Why to grow catch crop? A *feed* and **protein** source from the farm. 038081
High-temperature production of **protein-enriched** *feed* from cassava by fungi. 033503
Participation of veterinary service in solving the problem of *feed* **proteins.** 034512
Beans as a source of *feed* **proteins** (review) [Culture]. 038495
Attention to *feed* **quality** [Productive capacity of agriculture, pasture management]. 031890
Spoilage in *feed* **quality** caused by fungi. 033514
The basis for *feed* **quality** assessment. 033528

Effects of density and social order of the flock, and of length of feeding troughs, on the performance of layng hens **rationed** in *feed.* 034363
Increasing the protein nutritive value of *[feed]* **rations.** 033558
Feed **regulations** of the new food law. 031820
Studies on the mode of gas production in artificial rumen and its application to the evaluation of *feedstuffs.* VII. On the **relation** of digestible crude protein to total digestible nutrients of feedstuffs. 034426
Relative *feed* efficiency of crossbred cows for milk production. 034380
Planning and balancing feed supplies by using the German Democratic **Republic** *feed* evaluation system as a component of farm planning from 1976 on. 031338
Roughage-containing *feed* mixtures as complete diets for dairy cows. 034529
The rate and products of degradation of xylans by rumen hemicellulases [Digestibility of *feeds* by **ruminants].** 034214
Feed **standards** for mink. 034502
Possibilities of **substituting** *feeds* of animal origin by plant protein feeds in broiler production. 034395
Biomass producton [for food and *feed]* on various **substrates** using microbiological processes. 037083
Nitrovin for swine *[Feed* **supplements].** 034431
World animal production and *feed* **supplies.** 031839
The use of waste bananas for **swine** *feed.* 034376
Histology of animal **tissues** [in *feeds].* 033563
Characterization of proteins and allergens in germinating castor seeds by immunochemical techniques [to study its potential **toxicity** as *feed].* 033549
On the problem of thermal **treatment** of *feeds.* 033585
Weight, *feed* **uptake,** and slaughter age in broiler production. 033621
The feeders priorities [Waste **utilization** as *feed].* 033542
Dietary effect on the performance of the Silver and the Golden Montazah pullets. 3. *Feed* **utilization** and livability. 034262
Nutritional studies with growing Friesian calves on certainfeeding levels under local conditions. 1. *Feed* **utilization** and metabolism trials during the 2nd six months of growth. 034266
Presence of carotenes and chemical composition determined and considered in some forage plants of Umbria [Nutritive **value** of *feeds].* 034286
Commercial feed drying systems for processing & utilizing **waste** as *feed.* 033537
Regulating animal **waste** *feeds.* 033541
Cellulosic **wastes**—*feed* or fibre. 033536

FEEDBACK

Drought in the Sahara: insufficient **biogeophysical** *feedback?* 036247

FEEDING

Big gain in weight of lambs submitted to intensive fattening, led to intensive fattening, *fed* with **adequate** rations. 034484
The *feeding* of **alfalfa** juice and the meat quality in swine [Pork]. 034524
Uralpa, a new form of urea for **animal** *feeding.* 033511
Immunodepressant action of some pesticides with different conditions of **animal** *feeding* [Rats]. 039598
Feeding **Arctic** foxes. 034503
Coastal Bermuda [Cynodon dactylon] for grazing and hay production *[Feeding* **beef** cattle]. 034437
Selective deficit in *feeding* **behavior** following the antero-medial amygdaloid lesions in cats. 033716
Experiments to develop **biological-technical** *feeding* systems to control fermentation in the forestomach. 034336
Vulnerable periods of lactation - a view on **breast** *feeding* practices in Brazil. 032220
The epidemiology of **breast** *feeding* [Nutrition, immunity]. 032474
Feeding studies with **broiler** *fed* wheat rich in crude protein. 2. Carcass yields and carcass composition. 034310
Feeding studies with **broilers** *fed* wheat rich in crude protein. 1. Experimental procedure, weight gains, food consumption and food efficiency. 034309
Results of studies on the adjustment of *pail-fed* **calves** as affected by shipping and moving. 033673
Metabolism of urea in buffalo **calves** *fed* on diets of different crude protein content. 034382
Carbohydrate-fat metabolism in the digestive system of **calves** *fed* milk with the addition of formaline. 034488
Protein quality of rumen bacterial preparations from **cattle** *fed* rations of different roughage content. 034171
The demands which different production systems place on Africander **cattle** *[Feeding].* 034250
Economic advantages of using citrus fruit peels for *feeding* **[Cattle].** 034362
Sugarcane as the basis for intensive animal production in the tropics **[Cattle,** *feeding].* 034369
Effect of age and sex on growth rate of beef **cattle** *fed* high roughage rations. 034442
Problem of standardizing calcium and phosphorus in relation to *feeding* **cattle.** 034537
Full feed and mechanization in **cattle** *feeding* [Equipment]. 040493
An analysis of *feeding* in **Cheyletus** eruditus a predator of storage mites [Acarus, biological control]. 039415
Influence of dietary fat source on hepatic lipogenesis in the *fasted-refed* **chick** (Gallus domesticus). 033869
New protein mixture for **child** *feeding.* 032299
Dynamics of some N [nitrogen] metabolites in the blood serum of lambs in **combined** *feeding* conditions. 034510
Poultry waste in a **commercial** *feeding* operation [Beef cattle, dairy cattle]. 034379
Minimum **concentrate** *feeding* for efficient milk production [Dairy cattle]. 034458
Connection of the fineness of fleece with *feeding* **conditions** and their seasonability in sheep. 034489
Acceptability of grass fed beef *[Feeding,* **consumer** preference]. 034436
A theory of animal weight response to **controlled** *feeding.* 034421
Results of studies investigating the chewing and ruminating activity of **cows** *fed* rations of differently processed straw or straw treated with liquid sodium hydroxide. 034313
Ruminal properties and plasma free amino acids of **cows** *fed* purified diets containing urea or soy protein together with rice straw. 034425
Population increase of Phytoseiulus persimilis on **differentinsectary** *feeding* programs [Tetranychus pacificus, beans, pests]. 039343
Occurrence of copper poisoning in sheep following **dry** *feeding.* 035428
Use of field beans in swine fattening **[Effects** of *feeding].* 034397
Effect of level of supplemental **energy** *fed* grazing steers on performance during the pasture and subsequent drylot period. 034406
Effect of the **excessive** *feeding* of dietary amino acids in rats. 032335
Guide lines how to carry out *feeding* **experiments.** 034299
Methods of *feeding* **experiments** with poultry. 034300
Some basic consideration concerning the problems related to *feeding* **experiments** with poultry. 034301
Nutritional regime of a grist-free **extraction** *fed* to high-performance cows—results of a one-year production experiment on 2000 cows. 034499
What homemakers know and do about *feeding* their **families.** 032222
Effect of *feeding* **feed** mixtures containing various amounts of animal protein. 034251
Substitution of lysine-supplemented high-protein wheat in protein **feeds** *fed* in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein **feeds** *fed* in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Breast-feeding: **first** thoughts. 032444
The effect of *feeding* **frequency** on the growth and composition of individual organs in the rat. 032188
Effects of dietary soy or urea nitrogen and *feeding* **frequency** on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. 034410
Acceptability of **grass** *fed* beef [Feeding, consumer preference]. 034436
Management and nutrition of early weaned pigs. 3. A comparison between *machine-fed* and **hand-fed** pigs. 034474
Performance and liver copper levels of beef **heifers** *fed* broiler litter. 034477
Zeranol implantation in grazing heifers and in combination with melengestrol acetate in *feedlot-fed* **heifers.** 034482
Problems of *feeding* **high** yielding cows according to energy requirements. 034340
Use of invert sugar in **honeybee** *feeding.* 040255
Waltham beats the high cost of small system **hot** *feeding.* 032577
Aflatoxin in *feedingstuffs,* its **incidence,** significance and control. 033516
Advertising and **infant** *feeding.* 032216
The unfavourable trend in **infant** *feeding.* 032219
Regulatory mechanisms in **insect** *feeding.* 039611
The influence of different *feeding* **intensities** on the fattening and slaughter performance of young bulls. 034500
Fattening and slaughter performance results of German Black Pied young bulls as influenced by *feeding* **intensity.** 1. Fattening performance of young bulls under varying feeding intensities. 034323
Intermittent *feeding* and lighting of layers. 034385
The ability of the females of ixodid ticks to recover after DDT poisoning during *feeding* **[Ixodes** persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501
Effects of drying on forage quality of alfalfa and reed canarygrass [Phalaris arundinacea] *fed* to **lambs.** 034411
Studies on the *feeding* of **larval** Argas persicus Oken [Chickens, pests]. 039518
Influence of *feeding* **level** on the fattening performance and carcass quality of Black Pied bulls. 034498
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of *feeding* different **levels** of calcium and phosphorus with the same ratio on growth of Dokki-4 chicks. 034257
Calcium requirements for chicks as affected by some nutritional factors. IV. Effect of *feeding* different **levels** of vitamin D3 on growth of Dokki-4 chicks. 034258
Pre- and postnatal litter size of mice selected for high weight, gains at different **levels** of *feeding.* 034618
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 harvest *[Feeding,* **livestock,** mycotoxicosis]. 034495
Role of aminoacids and specific efficiency-possessing substances in treating the protein-deficit balance **[Livestock,** *feeding].* 034516
Early effects of *feeding* **lysine** and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
Protein quality of two varieties of high lysine **maize** *fed* alone and with black beans or milk in normal and depleted weanling rats. 032306
Advanced techniques for *feeding* **man.** 032171
Influence of selection, **age,** sex and *feeding* on **meat** retention and fat content of ducks. 033670
Pathological growth and maturation in infants and children associated with modern **methods** of *feeding.* 032218
Preliminary remark to the problem area II: *Feeding,* **milk** yield and economical aspects of dairy cattle husbandry. 034339
The practical and economic significance of the simultaneous increasing of the frequency of milking and *feeding* for **milk** production on semi-automated dairy procedures. 034341
Effect of **monensin** *fed* with forage on digestion and the ruminal ecosystem of steers. 034407
Fusariotoxicosis [Fusarium] from barley in British Colombia. I. Natural occurrence and diagnosis *[Feeding* of **mouldy** grain to livestock]. 035396
Non-root *feeding* supplement for vineyards. 037842
Gas-energy exchange in swine when there is a change in *feeding* **norms.** 034521
Oral *feeding* versus total parenteral nutrition in low birthweight infants. 032427
Effects of **peapollen** *feeding* on maturation & copulation in the beetle, Bruchus pisorum L. 039802
Arctic fox during the breeding **period** *[Feeding].* 034356
Influence of length of *feeding* **period,** ration and breed on steer growth rate. 034445
Delayed allatectomy and *feeding* in **Phormia** regina (Meig.): effects on follicular development. 039849
Management and nutrition of early weaned pigs. 3. A comparison between machine-fed and *hand-fed* **pigs.** 034474
The animal growth phase **plane** *[Feeding].* 034422
Wanted, a national plan on **poultry** *feeding* [Policies]. 031902
Fats in **poultry** *feeding.* 034298
The *feeders* **priorities** [Waste utilization as feed]. 033542
Economic results of the influence of *feeding* on the **production** of slaughter chickens [Protein]. 033135
Comparative management programs for lamb **production** *[Feeding].* 034438
Effect of various technological procedures on the *feeding* **properties** of extracted sunflower meal and other commercial products. 034306
Experimental atherosclerosis in **rabbits** *fed* cholesterol-free diets. 6. Skim milk powder. 035368
The time-course of changes in mucosal architecture and epithelial cell production and cell shedding in the small intestine of the **rat** *fed* after fasting. 032364
Partial replacement of protein with carbamide in *feeding* **rations** and its effect on the concentration of free amino acids in the digestive tract of cattle. 034493
Resistance to ketosis during prolonged fasting by **rats** *fed* on a diet containing undecanoic acid, an odd-carbon-number fatty acid. 032186
Effect of folic acid on serum and liver cholesterol in **rats** *fed* casein at two levels. 032337
Beneficial effect of zinc supplementation in young **rats** *fed* protein concentrate from rapeseed or mustard. 032404
Femur zinc, magnesium, and calcium in **rats** *fed* Tower rapeseed (Brassica napus) protein concentrate. 032410
Intestinal uptake by *starved-refed* **rats** of sugars derived from disaccharides and from their monosaccharide equivalents. 032412
Metabolism of L-leucine-U-14C [carbon isotope] in young **rats** *fed* excess glycine diets. 034252
Absorption and incorporation of tracer-labelled amino acids in **rats** *fed* with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of tracer-labelled amino acids in **rats** *fed* varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of **rats** *fed* proteins of varying quality. 034311
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of **rats** *fed* with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
How chicken on Sunday became an anyday treat *[Feeding,* **rearing].** 033693

Ultrastructure of the esophageal procorpus in the plant parasitic nematode, Tylenchorhynchus dubius, and functional aspects in **relation** to *feeding*. 038968
Feeding and **replacement** value of calcium hydroxide treated maize cobs for dairy cows. 034368
Metabolic **response** to *overfeeding*. 032295
Start your health program by *feeding* **right** [Cattle]. 034354
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by tissue slices of **roosters** *fed* a phenylalanine-free diet [Chickens]. 034427
The interaction of plants in plant communities during **root** *feeding* [trees, grasses, mineral nutrition]. 037003
Experiments on the influence of the frequency of *feeding* on **rumen** fermentation, food intake milk yield. 034334
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of fatty acids in the presence of bile salts [**Sheep**, *feeding]*. 034345
Micellar solubilization of fatty acids in aqueous media containing bile salts and phospholipids [**Sheep**, *feeding]*. 034346
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of **sheep** *fed* sole diets of hay, silage and pasture differing in digestibility. 034400
Effect of dietary potassium level on utilization of magnesium by **sheep** *fed* different magnesium levels. 034468
The effects of low-dose gamma-irradiation on the wholesomeness of mangoes (Mangifera indica) as determined by **short-term** *feeding* studies using rats. 032189
Effect of floor and *feeding* **space** on the performance of broiler chicks. 033632
Ultrafine structure of the integument of the [blood sucking] tick Hyalomma asiaticum P. Sch. et E. Schl. during its **starvation** and *feeding*. 039504
Feeding **studies** with broilers fed wheat rich in crude protein. 1. Experimental procedure, weight gains, food consumption and food efficiency. 034309
Feeding **studies** with broiler fed wheat rich in crude protein. 2. Carcass yields and carcass composition. 034310
Thermal and mechanical treatment of *feeding* **stuffs** as influencing the true digestibility of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
Transition from [winter feeding] to pasture and **summer** *feeding* of dairy cows. 034434
Supplemental *feeding* of steers on everglades pasture. Effect on pasture and feedlot performance and economics of production [Income]. 034350
Swine *feeding* in industrial units. 034396
Selenium for **swine** *[Feeding]*. 034432
Induction of bovine polioencephalomalacia with a *feeding* **system** based on molasses and urea. 035398
Sequential substrate removal in activated sludge **systems** *fed* with naturally occurring wastewater. 041643
Notes on the role of **ticks** *feeding* on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain Spotted Fever. 039482
Effects of density and social order of the flock, and of length of *feeding* **troughs**, on the performance of layng hens rationed in feed. 034363
Safety evaluation of yeast grown on hydrocarbons. IV. **Two-year** *feeding* and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial production of proteins]. 032013
Lipase activity in calf blood serum with different **types** of *feeding*. 034222
Study of esterified fatty acids in the blood serum and total content of fatty acids in the feces of calves reared on different **types** of *feeding*. 034224
Chemical composition and *feeding* **value** of mallow (Malva verticillata L.) (first results) [Sheep]. 034287
Factors affecting *feeding* **value** of pangola grass (Digitariadecumbens, Stent) in a humid tropical climate [Goats]. 034291
Studies on male sheep investigating the *feeding* **value** of excreta from young hens and broilers. 034314
Assessment of *feeding* **value** of extracted mustard cake in starting growing phase of chickens. 034384
Productivity and *feeding* **value** of [sugar and forage] beet varieties and hybrids. 038062
Effects of type and variety and stage of maturity on *feeding* **values** of cereal silages for lambs. 034412
Fattening and slaughter performance results of German Black Pied young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under **varying** *feeding* intensities. 034323
Feeding **whey** to pigs. 034254
Biochemical differences between the *fed* and **white** meat of tuna and changes in quality during freezing and storage. 032792
Transition from [**winter** *feeding]* to pasture and summer feeding of dairy cows. 034434
A fish [farming] story pans out, and **world** is better *fed*. 033692

FEES

Fee **fishing** lakes in Ohio [Recreation, directories]. 031229

FELINE

Feline **behavior.** 033899
A *feline* **calicivirus** vaccine combined with feline viral rhinotracheitis and feline panleukopenia vaccine. 035060
Feline **dietetics** [Cats]. 034359
Thyroid function in *feline* **endocrine** alopecia. 035338
Feline **infectious** peritonitis: a review [Cats]. 035160
Kinetics of the red cell washout from coronary vessels of **isolated** *feline* hearts. 033847
Chronic relapsing stomatitis in a cat associated with *feline* **leukemia** virus infection. 035061
The use of hemostatic clips in *feline* **ovariohysterectomy** and orchiectomy. 034884
A feline calicivirus vaccine combined with feline viral rhinotracheitis and *feline* **panleukopenia** vaccine. 035060
Will the **real** *feline* resiratory disease please stand up? 035101
Feline **reproduction** [Cats]. 034616
Studies of FeSV *[Feline* **sarcoma** virus] induced sarcomata in sheep with particular reference to the regional lymphatic system. 035006
A feline calicivirus vaccine combined with *feline* **viral** rhinotracheitis and feline panleukopenia vaccine. 035060

FEMALE

Habitat preference of tabanid flies [Tabanidae] in Hokkaido based upon the collection of *female* **adults.** 040105
Influence of trace pheromones of Trissolcus grandis (Hymenoptera, Scerionidae) on the searching **behaviour** of *females*. 039971
Results of studies on the sexual maturity of *female* **cattle** from the commercial crossing of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837
Ultrastructure of the compound eye of the **diploid** *female* beetle, Xyleborus ferrugineus. 039674
Genetic analysis of maternal effect on the "puffed" mutant character in *female* **Drosophila** virilis Sturt. X male Drosophila littoralis Sokolov hybrids. 039760
Radiation-induced numerical aberrations in wild type **Drosophila** *females*. 039883
Exungulation of all extremities in a *female* **elephant** in consequence of a smallpox infection. 035155
The penetration of *females* of the **fruit** bark beetle Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Development of *female* **gametophyte** in Hymentherum tenuifolium Cass. 036305
Suppression of the development of *female* **hamster** [sexual] behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. 034673
Peculiarities in the structure of the *female's* **head** as a taxonomic character in the family of mosquitoes [Culicidae]. 040055
Survival of Ms/—males in two lines of mice selected for **a different expression of the gene** mosaic (Ms) in **heterozygous** *females*. 034620
The ability of the *females* of **ixodid** ticks to recover after DDT poisoning during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501
How does the *female* **locust** [Locusta migratoria migratorioides] dig her oviposition hole? 039836
On nature of y chromosome fragments induced in Drosophila **melanogaster** *females*. III. C (1) RA vs C (1) RM females. 039882
Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen **RU2858** on sexual differentiation in the **neonatal** *female* rat. 034668
Cytoplasmic oestrogen receptor complex of *female* **ovine** pituitary: changes associated with the reproductive state and oestradiol treatment [Sheep]. 034666
Selection of *female* **Pelargonium** plants. 036710
Secretory activity of the sexual apparatus in swine and **rabbit** *females* at the period of fertilization and early embryogenesis. 034812
Dietary protein, fat, and minerals in nephrocalcinosis in *female* **rats.** 032385
Evaluation of *female* **reproductive** performance of 28 one-way crosses produced from eight breeds of swine. 034557
On nature of y chromosome fragments induced in Drosophila melanogaster **females**. III. C (1) RA vs C (1) **RM** *females*. 039882
Simple extraction and bioassay of the *female* **sex** pheromone of the citrus mealybug, Planococcus citri. 039315
Isolation and characterization of **sex-linked** *female-sterile* mutants in Drosophila melanogaster. 039750
Prostaglandins and reproductive processes in *female* **sheep** and goat. 034645
Ageing and histological degeneration of *females* of **spider** mites (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
Investigations into early selection of *female* **swine** by means of the ultrasonic method. 034576
Effect of dietary dieldrin on the liver and drug metabolism in the *female* **Swiss-Vancouver** mouse. 039533
The head caruncles of the Muscovy duck (Cairina moschata domestics L.). Development of the surface in males and *females* of some **types.** 033742

FEMUR

Response of *femoral* and **vertebral** colony-forming units to 226Ra [radium isotope] internal contamination in mice [Toxicity]. 035434
Femur **zinc,** magnesium, and calcium in rats fed Tower rapeseed (Brassica napus) protein concentrate. 032410

FENCES

Low-cost fencing: is it worth while? *[Fences,* **costs].** 040380
Electric *fences* in agriculture. 040339
Electric *fences* at the International Show of Agricultural Machinery, March 1975. 040340
Paddock subdivision with **electric** *fences*. 040346
Low-cost *fencing:* ways with electric [fence] units. 040379
Low-cost *fencing:* is it worth while? [Fences, costs]. 040380
Low-cost fencing: ways with electric *[fence]* **units.** 040379

FENNEL

Histopathology of *fennel* **[Foeniculum** vulgare] infected by Ramularia foeniculi. 038653

FENS

The vegetation and chemical properties of **patterned** *fens* in the Swan Hills, north central Alberta. 036186

FENUGREEK

Annotated bibliography on *fenugreek* **(Trigonella** foenum-graecum), 1969-1975. 038446

FERMENTATION

Mechanisms of **abnormal** *fermentation* of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
Accelerated *fermentation* of brewer's wort by Saccharomyces carlsbergensis [Yeasts]. 032719
Fermentation of **agricultural** wastes by yeast. 041496
Variations in the polyol content during *fermentation* of **apple** juices and wines. 033442
Experiments to develop biological-technical feeding systems to **control** *fermentation* in the forestomach. 034336
Controlled *fermentation* of cucumbers with pure bacterial strains [Pickling]. 033449
Fermentative **conversion** of sugarcane juice into fungal protein. II. Effect of different nitrogen sources, levels of ammonium nitrate and incubation period. 033243
Microbiological studies of the *fermentative* **dephosphorilation** of phytates. 040792
Fermented **feed** production from rice straw. 033499
Effect of products of thermophilous methane fermentation on the *fermentation* of **fruit** must by the yeast Saccharomyces vini. 033438
Pasteur and the **history** of *fermentation*. 032879
Wines from the *fermentation* of **honey.** 032832
Fermentation of **honey** by yeast. 032892
Fermented **juice** of some sugarcane varieties. 033283
Malolactic *fermentation* in funcetion of sulfite treatment and heating **[Wine** manufacture]. 033316
Influence of thermophilic **methane** *fermentation* products on the metabolism of lactic acid bacteria [during culturing in milk]. 032945
Effect of products of thermophilous **methane** *fermentation* on the fermentation of fruit must by the yeast Saccharomyces vini. 033438
Studies on the chemical composition of market samples of shrikhand *[Fermented* **milk** product]. 032973
Changes in the microflora of bovine colostrm during **natural** *fermentation*. 032976
Developments in *fermentation* **physiology** and microbiology [in wine making]. 033389
Newest results in the optimalisation of *fermentation* **processes.** I. 032784
Fermentative **production** of citric acid by Aspergillus niger[yeast]: strain selection and optimum cltural conditions for improved citric acid production. 032867
The dependence of the *fermentation* **rate** from the concentration in the medium of the fermented sugars. 033475
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, time spent ruminating and **rumen** *fermentation* with varying amounts of concentrates. 034332
Experiments on the influence of the frequency of feeding on **rumen** *fermentation,* food intake milk yield. 034334
Effect of *fermentation* on the **sapogenine** yield from seeds of Trigonella foenum graecum L. 037213
Semisolid *fermentation* of ryegrass [Lolium] straw. 033157
Separated *fermentation* of starch syrup [Beer manufacture]. 032728
Studies on Tempeh *[fermented* **soybean** food]. I. Processing and nutritional evaluation of Tempeh from a mixture of soybean and groundnut. 033270
Soaking of complete fattening rations high in poor roughage. 1. The effect of moisture content and **spontaneous** *fermentation* on nutritional value [Cattle]. 034275
Fermentation of various **sugars** in Saccharomyces ellipoideus and Schizosaccharomyces pombe [Wine musts, yeasts]. 033337
The dependence of the fermentation rate from the concentration in the medium of the *fermented* **sugars.** 033475

Simulation of contact biooxidation process [to grow microorganisms] using a fixed bed *[Fermentation* **techonology**]. 032866
Short-term baking systems. I. Interdependence of yeast concentration, *fermentation* **time**, proof time and oxidation requirement. 033210
Improved characteristics for dry, *fermented* **turkey** sausage. 033127
Fermentation, **utilization** and palatability of broiler litter ensiled at different moisture levels. 033572
Fermentation, **utilization** and palatability of broiler litter ensiled with high moisture corn grain [Sheep, cattle]. 034471
Changes of volatile fatty acids and riboflavin in cecal contents of rabbit in the in **vitro** *fermentation.* 034087
Technology of preparation of natural sparkling **wine** *[Fermentation].* 033334

FERNS

A county checklist of the ferns [Pteridophyta] and *fern* **allies** of Kansas, Nebraska, South Dakota, and North Dakota. 036134
The ferns and *fern-allies* of **Cocos** Island, Costa Rica [Pteridophyta]. 035947
The Benjamin D. **Gilbert** *Fern* Herbarium [Pteridophyta]. 035907
A new locality for Braun's **Holly** *Fern* [Polystichum braunii purshii] in Minnesota [Pteridophyta]. 035942
Contribution to the study of a *fern,* **Marsilea** vestita (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
Sieve-element ultrastructure in Platycerium bifurcatum and some other **polypodiaceous** *ferns:* the nacreous wall thickening and maturation of the protoplast. 036267
A county checklist of the *ferns* [**Pteridophyta**] and fern allies of Kansas, Nebraska, South Dakota, and North Dakota. 036134
Photosynthesis and respiration rates of *ferns* [**Pteridophyta**]. 036758
The *ferns* of San **Salvador** Island [Pteridophyta]. 035948
A **staghorn** *fern* (Platycerium) hybrid [Pteriodophyta]. 035944

FERREDOXIN

A combined procedure for preparation of plastocyanin, *ferredoxin* and **CF1** [Spinach]. 037820

FERRETS

Prostaglandins in pyometrial fluid from the cow, **bitch** and *ferret.* 033836
The development of Taenia pisiformis in various definitive host species [Dogs, cats, **foxes,** *ferrets].* 035094

FERRICYANIDE

Potentiometric investigation of kinetics of the Hill reaction as a function of *ferricyanide* **concentration** [Maize]. 037586

FERRITIN

Ferritin in **insect** vectors [Cicadulina mbila] of the maize streak disease agent electron microscopy and electron microprobe analysis. 038923
Storage of iron as *ferritin* in the **liver** of the protein-deficient rat. 034207
Carbohydrate composition of horse **spleen** *ferritin.* 033788

FERROCYANIDE

Change in amount of cyanides in wines relative to treatment with **potassium** *ferrocyanide.* 033456

FERROUS

Translocation of iron in acid sulfate soils. II. Production and diffusion of **dissolved** *ferrous* iron [in Thailand]. 040782
A model for the simultaneous production and diffusion of *ferrous* **iron** in submerged soils. 040755

FERTILITY

Improving the *fertility* of the **annona.** 036956
Bioecological *fertility* of Italian soils. 3. Study of the agronomic profiles of the plains. 040662
Correlation of vitamin A and zinc concentration of seminal plasma to *fertility* of **bovine** semen. 034454
Estimate of *fertility* of **bulls** for artificial insemination. 034831
Fertility and **calf** performance to weaning at Southhampton farm. 034794
Fertility in **cattle** husbandry. 034581
Observations on *fertility* in **cattle.** 034635
Influence of the **chemical** *fertility* of the soil and the ash content of durum wheat grown in northern Italy. 037351
Factors affecting **chicken** *fertility.* 034780
Further data **concerning** *fertility* disorders of cattle. 034849
The significance of crop residues to the maintenance of [soil] *fertility* under **continuous** cultivation at Samaru, Nigeria. 040995
Correcting the *fertility* of **cotton** land showing deficiencies of the major elements [Fertilizers]. 040901
Study on the reestablishment of *fertility* on **cotton** soils showing potassium deficiency. 040972
The effect of pre-irradiation of seeds with gamma-rays on biology and *fruitfulness* of **cucumbers.** 037827
Fertility **differences** between groups of sires relative to the stage of estrus at the time of insemination [Dairy cattle]. 034559
Energy and crude fiber content of feed and *fertility* **disorders** in cows. 034507
Morphofunctional state of principal organ system, life span, and *fertility* in the **domestic** cricket Acheta domestica during normal imaginal development and after allatectomy. 039930
Nutrition, mother's health and *fertility:* the **effects** of childbearing on health and nutrition. 032440
Dietary effect on the performance of the Silver Montazah and the Golden Montzah pullets. 4. **Egg** *fertility* and hatchability. 034263
Fertility and **fertility** problems in some beef herds in Sweden. 034764
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and *fecundity* [**Flour** pests]. 039426
Microgramma piloselloides with **furcate** *fertile* fronds [Pteridophyta in Costa Rica]. 036261
Results of experiments in treating the corms of saffron [Crocus sativus] with colchicine [**Genetics,** *fertility].* 036713
Toxic effects of copper on turnip moth (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on *fertility* of **imagos.** 039318
Regulation of the reproductive process of sows with regard to **increasing** their *fertility.* 034862
Relationship of *fertility* **index** to the growth of Japanese native calves. 1. 034556
Fertility of **liquid** boar semen as influenced by breed and season. 034661
Tests of **male** *fertility* restoration in some common wheat varieties (Triticum aestivum L). 036382
Effect of GnRH [gonadotropin releasing hormone] on estrus, ovulation and *fertility* in the **mare.** 034723
The crested wheatgrasses [Agropyron cristatum] of Iran [Distribution, cytology, **morphology,** and *fertility].* 035997
Practical verfication of the possibility of snynchronization of the estrus of semi-fine wool sheep in the period of *fertility* by **oral** administration of superlutine. 034138
Meiosis and *fertility* of **pollen** in rye triploids obtained when cultivating embryos. 036705
Fertility and *fertility* **problems** in some beef herds in Sweden. 034764
Clinical and laboratory research of cows on farms with *[fertility]* **problems.** 034848
Fertility and **productivity** of tetraploid rye as affected by aneuploidy. 036645
The activity of pyridine nucleosidase in bull semen and its **relationship** to *fertility.* 034761
Heterosis and combining ability in a spring wheat diallel cross. 3. *Fertility* **restoration** and seed set on male-sterile wheat. 036380
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of puberty induced gilts and *fertility* **results** following artificial insemination. 034575
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. *Fertility* **results** of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
Functional reproductive disturbances and *fertility* **results** in young and old sows of different gene constructions [Swine]. 034834
Influence of environmental factors on bud burst, inflorescences, *fertility,* and **shoot** growth of vines. 037882
High cropping standards and extensive reproduction of **soil** *fertility,* prerequisites for high and stable yields [Agronomy]. 038010
The maintenance of **soil** *fertility* and the use of pesticides. 039600
Influence of soil moisture regimes and **soil** *fertility* levels on water use by summer fodder maize. 040696
Main physical soil properties as conditions for characterization of **soil** *fertility.* 040729
The use of fertilisers in the maintenance of **soil** *fertility* under intensive cropping in northern Nigeria. 040977
Evidence for a new aluminium phosphate phase from reaction rate of phosphate with aluminium hydroxide [**Soil** *fertility].* 041018
Agrotechnical importance of peas [in **soil** *fertility* improvement]. 041131
Expanded reproduction of **soil** *fertility* in industrial crop production. 041151
Experience and recommendations regarding the expanded reproduction of **soil** *fertility* in industrial field vegetable production. 041152
Some factors affecting the reproductive cycle of **sows** *[Fertility].* 034864
Morphologic interpretation of *fertile* **structures** in glossopterid gymnosperms [Paleobotany]. 036131
Estrus synchronization and *fertility* **studies** [in beef cattle] at Dean Lee Agricultural Center. 034726
Macrogametogenesis and *fertility* in **tetraploid** rye. 036704

FERTILIZATION

Fertilization and **botanical** composition of grassland. 041098
Induction of morphological changes and the effect of induced changes on the *fertilizing* **capacity** of cock spermatozoa. 034650
The *fertilizing* **capacity** of epididymal spermatozoa in the pig. 034697
The *fertilization* of **Chamaenerium** angustifolium (Web.) Grossh. 036660
Yield improvement of coconut in elevated inland area of Davao (Philippines) by KCl [potassium **chloride**] *fertilization.* 041023
Effect of irrigation, *fertilization* and CCC [**chlorocholine** chloride] treatment on the 1000-grains weight and seed germination of wheat. 038132
The influence of nutrition on the chemical properties of some tropical plantation crop products [Hevea, oilpalm, **cocoa,** *fertilization].* 040974
Corn *fertilization* programme in Arab Republic of Egypt. I. Utilization of nitrogen by maize as affected by time and method of application. 040859
Effect of *fertilisation* on the **degradation** of dicrotophos, disulfoton and phorate in soil. 040921
Nitrate movement and its distribution in the soil profile of **differentially** *fertilized* corn watersheds [in Iowa]. 041043
Secretory activity of the sexual apparatus in swine and rabbit females at the period of *fertilization* and **early** embryogenesis. 034812
Fertilization of **fruit** trees. 041075
Fertilizing **grapes.** 041113
The sperm acrosome reaction and *fertilization* in the **guineapig:** a study in vivo. 034701
Change of the floristic composition in some meadows under the **influence** of *fertilizing.* 041084
In-vitro *fertilization* of hamster eggs in different media and the stimulating effect of heterologous and homologous spermatozoa. 033640
A comparison of **in-vitro** *fertilization* of rabbit eggs using spermatozoa recovered from the uterus or vagina. 034677
Fertilization, **irrigation** and yield of sheep pastures. 038057
Changes in certain qualitative features of winter wheat varieties as a response to *fertilization* and **irrigation.** 041020
Possibilities of *fertilizing* **irrigation** [Horticulture]. 041024
Data about the influence of *fertilizing* and **irrigation** on the quality of artificial meadows. 041085
Influence of *fertilisation* **level** on nutrient balance of two forage plants grown on a sandy soil of the lower Ivory Coast. 040960
Agrochemical centre of Delitzsch increased performance and workmanship in **mineral** *fertilization.* 040910
Yield-related **mineral** *fertilization* for efficient use of mineral fertilizers in field vegetable production. 040943
Mineral *fertilization* of sugarbeets. 041078
Effect of yield and **nitrogen** *fertilization* on grass drying in the open. 033587
Studies on clonal selection of sugarcane at different levels of **nitrogen** *fertilization* [Breeding, heredity]. 036636
Changes in the content and composition of carbohydrates in spring wheat caused by the **nitrogen** *fertilization.* 037498
Crop production function determinations [relating to maize yield] as influenced by irrigation and **nitrogen** *fertilization* using a continuous variable design. 038098
Effect of different dosages of **nitrogen** *fertilization* upon some morphological characters of RTV [rice tungro virus] infected rice varieties. 038909
Nitrogen *fertilisation* of winter cereals. 040914
Results from **nitrogen** *fertilization* of potato plots. 040918
Effects of **nitrogen** *fertilization* on the quantity and quality of protein in barley grains. 041009
Nitrogen *fertilization* of spring wheat. 041010
Nitrogen *fertilization* of cereals. 041079
Nitrogen *fertilization* of grassland. 8. Effect of previously applied nitrogen. 041099
Nitrogen *fertilization* of maize. 041100
Economic use of water with **nitrogen** *fertilization* and assessment of suitable indices for scheduling irrigation in sugarcane. 041339
Sunflower response to **nitrogenous** *fertilization* at G. R. S. [Sudan]. 040852
Fertilization of **ornamental** plants. 041074
Biological test of fodder quality after **pasture** *fertilization* experiments. 034506
Phosphate *fertilizing* of rice in Surinam; a summary of results. 041102
Soil testing as a guide to **phosphorus** *fertilization* of young pine plantations in the Coastal Plain. 040895
Phosphorus *fertilization* aids stand establishment on poorlydraned Coastal Plains soils. 040949
Soil phosphorus reserves and *fertilizing* with **phosphorus.** 041137
Parameters for winter wheat growing on Chernozem soil. III. Correlations between method of *fertilization* and **physical** state of soil. 041022
Negative secondary effect from green manuring with yellow lupine *[Fertilizing* **Picea** abies and Picea omorika]. 040904
Effects of soil physical properties, irrigation, and *fertilization* on **Pinus** radiata seedling development in the Benalla nursery. 035648
Studies on irrigation, *fertilization* and **planting** density of the selfed maize line SH-144. 038137
Progression in fertilizer use, particularly of **potash** *fertilization* in relation with productivity of Hevea. 040966
Rose response to nitrogen, phosphorus, and **potassium** *fertilization* rates in plastic mulch covered beds of find sand. 040894
Industrial organization of phosphorus, **potassium** *fertilization* by agrochemical centers. 040913

Effects of **potassium** *fertilization* on Hevea grown on tertiary sandy soils in the savannah of the lower Ivory Coast. 040956
Potassium *fertilization* in relation to other production factors. 040962
Recent works carried out by the Institute of Tropical Agronomic Research and Food Crops in the area of **potassium** *fertilization* of tropical soils. 040967
Response of sweet potato (Ipomea batatas), to **potassium** *fertilization* on a red Oxisoil in Tanzania. 040969
Response to **potassium** *fertilization* in the FAO [Food and Agriculture Organization] fertilizer programme in Africa (1961-1972). 040970
The optimal nitrogen, phosphorus and **potassium** *fertilization* of grasslands. 041082
Effect of fertilization on yield and composition in different potato varieties. III. Effect of *fertilization* and **rainfall** on tuber number per plant and its correlation with yield in different potato varieties. 041021
Rational *fertilization* in large vineyards on the basis of foliar analysis. 041014
Fertilizing on a **reduced** budget [Citrus]. 040896
Results of *fertilization* **research** applied to the develpment of the Havel fruit growing area. 040939
Changes of longitudinal growth and chemical components in pine (Pinus densiflora) leaves on sandy soils **resulting** from *fertilization*. 037920
Systematic and **science-based** *fertilization* for intensified mowing-threshing cropping. Experience and results of crop farming cooperative Prohn. 040919
On *fertilization* in **Scrophulariaceae**. 036841
Potassium in an arid loessial soil: changes in availability as related to cropping [**sequences**] and *fertilization*. 041044
Influence of *fertilization* and **soil** management on the occurrence of diseases and pests in an apple orchard. i. Effect of green covered and clean cultivated soil. 039078
Special *fertilization* of potatoes. 041081
Influence of **spray** *fertilization* combined with various herbicides on the chemical composition and technological features of wheat. 039091
Effect of **spray** *fertilization* on vitamin C content of greenpepper. 040853
Some knowledge obtained from irrigation and *fertilization* of **sugarbeet** in the East Slovakian Lowland. 041403
Action and interaction of nitrogen, phosphorus and potassium in **sunflower** *fertilization* on calcareous soils. 041062
The influence of irradiation on **tomato** *fertilization*. 037668
Problems of experimental design [for *fertilisation]* in **tropical** regions. 040965
Differences in volume growth increase after [forest] *fertilization* with **urea** and ammonium nitrate fertilizer. 040886
Practical results of **urea** *fertilization* in ornamental plant growing. 040938
Changes in the composition of raw humus and the transport of organic matter as a result of **urea** *fertilization*. 040952
Fertilizing **value** of various liquid fertilizers. 041076
Thoughts on the *fertilization* of some **vegetables**. 041083
Influence of the crop stand and *fertilization* on the **yield** of selfed maize lines. 038133
Effect of *fertilization* on **yield** and composition in different potato varieties. III. Effect of fertilization and rainfall on tuber number per plant and its correlation with yield in different potato varieties. 041021
Conference of coordinators for the Project No. 11.2 *"Fertilization* of **young** plantations and forest stands" under the Council for Mutual Economic Assistance. 041103

FERTILIZERS

Amino acid composition in soybeans, depending on *fertilizer* **application.** 037531
Least cost combination of *fertilizers*—an **application** of linear programming technique. 041016
The effect of *fertilizer* **application** to peas grown for grain, in various soil and climatic areas in Bulgaria. 041033
Response of cool-season turfgrasses [Poa pratensis, Festuca rubra] to liquid **applications** of *fertilizer*. 041057
Fertilizers **applied** to grapes. 041091
Applying *fertilizers* in wheat, depending on the preceding crop. 041051
Fertilizer: can its **appropriate** use solve the world food crisis? 041001
Agrochemical services for the collective and state farms of **Belorussia** *[Fertilizers]*. 040986
Composition in free amino acids of sap from tomato plants treated with different levels of **boron** *[Fertilizer]*. 040864
Chemical *fertilizers* in the European Economic Community [Italy]. 040861
Development of production, foreign trade and consumption of **chemical** *fertilizers*. Situation in the world, the European Economic Community and Belgium. 041071
Peculiarities of the absorption of nutrients from *fertilizers* by **Chernozem** and Gray Podzolic soils of the forest-steppe of the Ukrainian SSR. 040871
Effect of **coal** *fertilizer* and Thomas phosphate in manuring rice. 040978
Commercial *fertilizer*. I. Nitrogen fertilizer. 041105
The effect of straight and **complex** *fertilizers* on the yield of some major cereals in the north-west frontier province [Pakistan]. 040857
Some operating experiences in a *fertiliser* **complex.** 040928
Low **cost** *fertilizers* are a thing of the past. 040931
The aftereffect of long-term application of *fertilizers* in **crop** rotation. 040872
The change of agrochemical properties of soddy-podzolic sandy-light loamy soil as a result of long-term application of *fertilizers* in a **crop** rotation with flax. 040873
The influence of potassium nutrition on the yield and chemical composition of some tropical root and tuber **crops** *[Fertilizers]*. 040975
Elasticity of *fertilizer* **demand.** 031706
Fertilizers for **developing** countries. 040944
On the nutrient ratio of *fertilizers* and **earths** for ornamental plants. 040937
Some factors affecting **effective** *fertiliser* use in the agriculture of Nigeria. 040971
Role of soil properties in the **effectiveness** of *fertilizers*. 040855
The effect of weather and climate on the **effectiveness** of *fertilizers*. 040950
Cultivation and *fertilizer* **effects** on the growth and foliage nutrient concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Correcting the fertility of cotton land showing deficiencies of the major **elements** *[Fertilizers]*. 040901
Fertilizers, **environmental** pollution—Indian case analyzed. 041523
Recommendations for short-term no-delay application of semiliquid manure, using cultivation **equipment** *[Fertilizers]*. 040916
Effects of soil amendments and *fertilizer* on the **establishment** of silver maple (Acer saccharinum) in two soil types. 041066
Use of incremental cost-benefit ratio in **evaluating** *fertiliser* recommendations. 040930
Effective utilisation of manure from livestock **farming** *[Fertilizers]*. 040912
Fertilizer use. 041026
Organization of agrochemical service in Cherkassy Region *[Fertilizers,* **field** crop yields]. 040990
Effect of systematic application of *fertilizers* on **grape** yield. 041087
Nutrient cycle inside farms with large **grassland** *[Fertilizers]*. 041115
Rational utilization of *fertilizers* [when **growing** cereals]. 041135
Efficiency of *fertilizers* in **hemp** crops for yarn. 041052
Soil mapping in relation to the use of *fertilizers* in the **humid** tropics. 040647
Handling of *fertilisers* at **Indian** ports. 040925
Development of agrochemical centers in Czechoslovakia *[Fertilizer* **industry]**. 040987
The effect of **inorganic** *fertilizers* on the intensity of transpiration in hemp. 037343
The effectiveness of **inorganic** *fertilizers* applied under spring wheat in connection with its predecessors on the soils of the Buryat ASSR. 040875
The effectiveness of applying **inorganic** *fertilizers* under winter wheat on ordinary Chernozem of various texture. 040876
Problems of modern **intensive** *fertilizer* application on farm crops in **Bulgaria**. 041032
Methods for **introducing** *fertilizer* use into farming practice. 040961
Extension and marketing of *fertilizers* in the **Ivory** Coast. 040958
Investigations into the effect of **large** *fertilizer* dressings on Chernozem soil in a model experiment. 040854
Effects of pruning severity and frequency and *fertilizer* **levels** on growth and quality of Juniperus chinensis varieties 'Pfitzeriana' and 'Hetzi'. 038455
Effectos on the soil of mechanical cultivation and *fertilizer* **levels** applied to sugarcane ratoons. 040571
Effects of multiple cuttings per container and *fertilizer* **levels** on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
Fertilizing value of various **liquid** *fertilizers*. 041076
Size and dynamics of the yield of crops under rotation with **long-term** use of *fertilizers*. 040836
Nitrogen in crops and leaching water using nitrate and ammonium nitrogen as *fertilizers*. **Lysimeter** experiments 1962-1972. 041107
The use of *fertilisers* in the **maintenance** of soil fertility under intensive cropping in northern Nigeria. 040977
Modern sulphuric acid practice *[Fertilizer* **manufacture]**. 041037
Floristic and chemical changes in forage plants after using **manure** and *fertilizers*. 037598
Fertilizers and **maximum** yields of winter wheat. 041134
More *fertilizers* **mean** more profit for farmer. I. 040890
A soil scientist's view of eating **meat** *[Fertilizers]*. 041013
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of cobalt **micronutrient** *fertilizers* [Barley chloroplasts]. 037416
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of **micronutrient** *fertilizer* in two container sizes. 041070
Effect of **mineral** *fertilizer* and of planting density on sunflower photosynthetic rate and net productivity. 037403
Growth and development of potatoes in relation to application of **mineral** *fertilizers* and prometryne. 037881
The dynamics of the content of atrazine in washing waters as related to the levels of the herbicide and of the **mineral** *fertilizers* with lime applied previously [Maize]. 039524
Applying of **mineral** *fertilizers* during mechanical hoeing of crops. 040518
Recent results and experience in transport, handling and storage of urea and other **mineral** *fertilisers*. 040915
Yield-related mineral fertilization for efficient use of **mineral** *fertilizers* in field vegetable production. 040943
Mineral *fertilizers* as the basis for increasing crop yields. 040989
How to raise the nutritive value of the fodder beet **[Mineral** *fertilizers].* 041004
Triple superphosphate manufacture **[Mineral** *fertilizers].* 041029
Mineral *fertilizers* and biological agriculture. 041077
The effect of **mineral** *fertilizers* on apple tree yield. 041090
Precision application of **mineral** *fertilizers*. 041116
Effect of **mineral** *fertilizer* application dosage, dates and methods on the yield and quality of maize grain. 041121
Effect of **mineral** *fertilizers* on yield and quality of winter wheat. 041122
The effect of manure and **mineral** *fertilizers* on fractional composition of phosphates in deep soddy-podzolized soil in the trans-Carpathian lowlands. 041127
The effect of **mineral** *fertilizers* on quality of yield of crops grown on irrigated peat soils. 041128
Effect of **mineral** *fertilizers* on surface and drainage water [Pollution]. 041673
Efficiency of simple and **mixed** *fertilizers* for winter wheat and barley. 041118
Fertiliser **needs** of mustard appressed mutant. 040923
Differences in volume growth increase after [forest] fertilization with urea and ammonium **nitrate** *fertilizer*. 040886
Disposition of *fertilizer* **nitrate** applied to a swelling clay soil in the field [Sorghum]. 040997
Investigations into the ripening of wheat affected of various amounts of **nitrogen** *fertilizer*. 037493
Duration and course of response to **nitrogen** *fertilizer* in pine and spruce [Pinus, Picea] stands. 040887
Effective use of urea as a **nitrogen** *fertiliser* in crop farming. 040911
Economising **nitrogen** *fertiliser* use for rice production in West Bengal. 040920
Lime introduction and **nitrogen** *fertilizer*. 041008
The use of a specific ion electrode for determination of bromide in soils [Tracer studies of the movement and distribution of **nitrogen** *fertilizers]*. 041047
Effect of doses of **nitrogen** *fertilizers* on yield and quality of apple tree seedlings. 041086
Use of the stable N15 [nitrogen] isotope to study the balance of *fertilizer* **nitrogen** in field lysimeters on sod-podzolic sandy loam soil. 041097
Commercial fertilizer. I. **Nitrogen** *fertilizer*. 041105
Effect of **nitrogen** *fertilizers* on productivity of meadows of the Ukrainian Polesye. 041123
Effectiveness of **nitrogen** *fertilizers* on alpine sown meadows. 041125
Role of **nitrogen** *fertilizers* in increasing productivity of meadows in peat soils of the Ukrainian Polesye. 041126
The levels of **nitrogenous** *fertilizers* and the structure of the apple tissues. 037624
A comparison of **nitrogenous** *fertilizers* applied to wheat. 040948
Green Revolution under limited **nitrogenous** *fertilizer* availability. 040979
Experimental results obtained with **non-conventional** *fertilizers* in irrigated sugarbeet crops. 041053
Activity of nitrate reductase in cabbage and tomato plant with introduction of algal mass as **organic** *fertilizer*. 037700
Demand and supply of **organic** *fertilizers* in Cottbus county. 040936
The use of **organic** *fertilizers* in fruit growing. 040942
Effect of mineral and **organic** *fertilizers* on the development of algae in a sod-podzolic soil. 041012
Effect of soil organic matter and of **organic** *fertilizers* on the mobility of radiostrontium and its availability to plants. 041095
A comparison of [the *fertilizer]* **Osmocote** 18-6-12 and 18-913 for use in containers [Juniperus chinensis, Ilex cornuta]. 041064
Effects of [the *fertilizer]* **Osmocote** in the rooting medium and auxin levels on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. 041068
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the *fertilizer]* **Osmocote** 18-6-12 and 4 levels of single superphosphate in two container sizes. 041069
The role of *fertilisers* in **overall** economic development and obstacles hindering the increase of fertiliser use in tropical Africa. 040976
Progression in *fertilizer* use, **particularly** of potash fertilization in relation with productivity of Hevea. 040966
Fertilizers **pay** well even under dryland conditions [India]. 040945
Lime and **peat-mineral-ammonia** *fertilizers* on drained [pasture] lands. 041005
Effectiveness of *fertilizers* on **perennial** stands on terraces [Grapes, vegetables]. 041088
Effect of spacing and **phosphate** *fertiliser* on forage and seed yield of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883
Phospho-potassium *fertilizers* and organic amendments. 041080
Effects of nitrogen and **phosphorus** *fertilizer* on malting quality of wheat. 033190
The scientifically founded agrochemical care and control of agriculture in Hungary *[Fertilizers,* **plant** protection]. 040991
Agronomic results with **polyphosphate** *fertilizers*. 041025

Long-term responses of 'Thompson Seedless' [grape] vines to **potassium** *fertilizer* treatment. 040880
Effect of nitrogen, phosphorus, and **potassium** *fertilizers* on yield components and specific gravity of potatoes. 040882
Residual effects of phosphorus and **potassium** *fertilizers* on shaded cocoa (Theobroma cacao L.) in Ghana. 040968
Distribution of phosphate and **potassium** *fertilizers* in the topsoil, applied on the surface or absorbed in the soil. 041072
Early results of a comparison between a nitrogen-rich and a **potassium-rich** *fertilizer* in dwarf coconut palms. 041101
The effect of **preceding** *fertilizer* application on the maximum phosphate sorbtion of the Cinnamonic Forest soil. 041034
Fertiliser **prices** will rise but UK [United Kingdom] outlook brighter. 040907
Relative importance of seeds and *fertilisers* to the **production** of paddy—a case study. 037954
Response to potassium fertilization in the FAO [Food and Agriculture Organization] *fertilizer* **programme** in Africa (1961-1972). 040970
Moisture use efficiency of dryland crops as influenced by *fertiliser* use. II. **Rabi** cereals. 040884
Elaboration of *fertilizer* **recommendations** in the German Democratic Republic and their use by socialist farms. 040988
Fertilizer **recommendations** for the home garden. 041058
Fertilizer **responses** in Eucalyptus nitens at Powelltown. 040933
Band application of *fertilizers* in **rye** fields. 041133
Development of the 1974/75 *fertilizer* **sales.** 040934
1973/74 *fertilizer* **sales** in Austria. 040935
Fertilizer **schedule** for greenhouse tomatoes and cucumbers in southwestern Ontario. 041059
Use potential profits to **sell** *fertilizer.* 040932
Fertiliser **situation** in Iran. I. 040924
Our neighbours. 2. *Fertiliser* **situation** in Kuwait. 040926
Effects of crown release and *fertilizer* on **small** saw log-sized yellow birch [Betula alleghaniensis]. 041114
The utilization of potassium 40 isotope for labelling in the study of potassium intake from *fertilizers* and **soil** by plants. 040879
Purification of phosphoric acid with methanol and ammonia **[solution** *fertilizer* production]. 040992
Use of machines to **spread** *fertilizers* in winter. 040525
Autumn application of *fertiliser* [for **sugarbeets**]. 037977
Foliar diagnosis and application of *fertilizers* to **sugarbeets.** 040862
The efficiency of **superphosphate-phosphorite** *fertilizer* applied to mixed grasses in the Troyan area. 041036
New developments in *fertilizer* **technology.** 041027
The role of fertilisers in overall economic development and obstacles hindering the increase of *fertiliser* use in **tropical** Africa. 040976
The economics of *fertiliser* **usage** on grassland. 041028
The effect and aftereffect of *fertilizers* on **vineyards** [Yields, growth]. 041089
Some aspects of the application of *fertilizers* to **wheat** on Brown-Reddish forest soil. 041054
Application of *fertilizers* on **winter** wheat fields in the eastern zone of the Krasnodar territory. 041132
World *fertilizer* supply and food security. 031824

FERULA

Antimicrobial action of galbanum [Gum resin of *Ferula* **gumosa**]. 037190

FESCUE *see* FESTUCA

FESTUCA

Genetic variation in enzyme activity of tall fescue *[Festuca* **arundinacea]** leaf blades. 036428
Isolation of perloline, the yellow alkaloid of tall fescue *[Festuca* **arundinacea].** 037549
Investigations on the primary production of an Agrostis capillaris L. + *Festuca* **fallax** Thuill. association grass stand on the Vitosha mountain. 037408
Investigations on the biology of seed germination of Agrostis capillaris L. and *Festuca* **fallax** Thuill. from grass coenoses on the Vitosha mountain. 037409
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, *Festuca* **gigantea].** 038121
Response of cool-season turfgrasses [Poa pratensis, *Festuca* **rubra]** to liquid applications of fertilizer. 041057
Genetic variation in enzyme activity of **tall** *fescue* [Festuca arundinacea] leaf blades. 036428
Isolation of perloline, the yellow alkaloid of **tall** *fescue* [Festuca arundinacea]. 037549

FETAL

Thyroidal radioiodine exposure of the *fetus* **[Animals].** 035412
The mechanism by which *foetal* **cortisol** controls the onset of parturition in the sheep. 034840
Foetal **dystocia** in a buffalo. 035327
A contribution to the occurrence of *fetal* **hepatopathies** in cattle [Infectious diseases, Aspergillus fumigatus]. 035257
Hereditary *fetal* deformities and defective calvings of cows. 035376
Effect of maternal malnutrition on intra-uterine growth of the **human** *foetus.* 032463
Protein binding of plasma cortisol in the *foetal* **lamb** near term. 034057
Respiratory effects of H+ [hydrogen ion] and dinitrophenol injections into the brain stem subarachnoid-space of *fetal* **lambs.** 033849
Development and cytodifferentiation of the rabbit pars intermedia. I. *Fetal* and **perinatal** stages. 033858
The effects of soil-borne microorgaisms on the germination of chlamydospores of Tilletia caries and **Tilletia** *foetida* [Potential for the biological control of bunt]. 038811
Diaphragmatic activity and lung liquid flow in the **unanesthetized** *fetal* sheep. 034009

FEVER

The isolation of bovine **ephemeral** *fever* virus in cell cultures and evidence of autointerference. 035001
Genetic determination of the **malignant** *hyperthermia* syndrome in the Pietrain pig. 034570
Factors affecting serum creatine phosphokinase activity in pigs [Genetic marker for **malignant** *hyperthermia* syndrome]. 035348
Immunization against *Q-fever* of **naturally** infected dairy cows. 034959
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the **spotted** *fever* (SF) group. 039472
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain **Spotted** *Fever.* 039482
Effect of several *antipyretic* **substances** on experimentally induced pyrogenic reaction in sheep. 033882

FIBERBOARD

Strength properties of corrugated *[fiberboard]* **containers.** 035885
An improved edgewise compression test for linerboard **[Corrugated** *fiberboard,* containers]. 035877
On reducing the density of *fiberboard* by the **dry** production method. 035812

FIBERS

Proximate chemical composition of **agricultural** *fibrous* materials [Abaca, sugarcane, coconuts, and bananas]. 032819
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and **Allied** *Fibres;* eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. 031564
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf & **Allied** *Fibres;* eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. 031565
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and **Allied** *Fibers;* eleventh session, Rome, 19-21 January 1976. The statistical situation. 031756
Seven cordages varieties of abaca *[Fiber* **analysis].** 033226
Axial and lateral order of regenerated **cellulose** *fibres.* Paracrystalline condition of cellulose. 035721
The length and diameter of the **coat** *fibres* of the Musk ox. 033096
Scanning electron microscopic visualization of **collagen** *fibers* in embryonic chick skin. 033877
Recovering more *fibre* with **composite** plywood. 035715
Prediction of the digestible energy in pig diets from analyses of *fibre* **contents.** 034273
Individualizing **cotton** *fiber* by "spiral" carding. 033175
The taper and its relation to the physical properties of **cotton** *fibers.* 033187
The degree of cell-wall thickening as a measure of the maturity of **cotton** *fibres.* 033272
Chemical control of weeds of *fiber* **crops** with linuron in France. 039157
Energy and **crude** *fiber* content of feed and fertility disorders in cows. 034507
A technique for measurement of *wood-fiber* **deposits** around pulp-mill outfalls. 035876
Management and nutrition of early weaned pigs. 2. Effect ofvarying levels of *fiber* in the **diet** upon incidence of scours, performance and survival. 034473
Dietary *fiber* in human nutrition. 032209
Effect of **dietary** *fiber* upon [human] gastrointestinal function and dysfunctions. 032270
Dietary *fiber.* 032419
Fiber **dimensions** of some Philippine woods. 035752
Effect of growth regulators on **early** *fibre* development in cotton. 037453
Raphia palms: the production of piassava in Nigeria [Oil, *fiber,* **exports].** 031703
Cellulosic wastes—**feed** or *fibre.* 033536
Improvement of labor organization and wages in mechanized teams [in *fiber* **flax** growing farms]. 031355
Heating the seeds of *fiber* **flax** with warm air [for increasing germination percentage]. 037785
Stand density and the lodging of *fiber* **flax** plants. 038074
Aspects of the cultivation of *fiber* **flax** in France. 038105
About the wear of beater bars [in the *fiber* **flax** scutching machine]. 040504
Committee on Commodity Problems. Report of the ninth session of the Intergovernmental Group on **Hard** *Fibres;* Rome, 30 June-4 July 1975 [Situation studies]. 031799
Committee on Commodity Problems, Intergovernmental Group on **Hard** *Fibres;* tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. 031979
Committee on Commodity Problems, Intergovernmental Group on **Hard** *Fibres;* tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. 031980
PTP-1 works efficiently [Pickup device for **harvesting** *fiber* flax stems after dew retting]. 038073
Influence of lint percentage, boll size, and seed size on lint yield of Upland cotton with **high** *fiber* strength [Breeding, selection]. 036433
Strength of **individual** *fibers* treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. 031959
The contractile properties of slow **muscle** *fibres* in sheep extraocular muscle. 034077
Changes in chemosensitivity of developing chick **muscle** *fibres* in relation to endplate formation. 034124
Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within **muscle** *fibres* of sheep. 035286
Electrophysiological and histological study of the splanchnic **nerve** *fibers* [Cats]. 033771
Agricultural residues and other nonwood **plant** *fibers.* 032910
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of *fibre* **populations** in fast and slow rabbit muscles. 034130
Agrobiological and technological studies on new **promising** *fiber* flax varieties. 038130
Breeding potentials of noncultivated cottons. I. Some agronomic and *fiber* **properties** of selected parents and their F1 hybrids. 036422
The birefringence of wood **pulp** *fibres* and the thickness of the S1 and S3 layers. 035901
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in **purkinje** *fibers* of the chicken, sheep, dog and rheusus monkey heart. 034069
The yields of extracted protein and of **residual** *fiber* from potato haulm taken as a by-product [Feed]. 033507
[Resolution of] the Central Committee of the Communist Party of the Soviet Union and USSR Council of Ministers [about the increase of production and procurements of *fiber* **ry** of initial processing]. 031894
Impacts of agricultural trade on food and *fiber* **section** of the U.s. economy. 032528
Time of **sowing** *fiber* flax. 038077
Investigations into the influence of *fiber* **structure** on heterogenous hydrolytic degradation of cellulose. 035728
Trigeminothalamic *fibre* connections in the donkey (Equus asinus) studied by means of the retrograde cell degeneration method. 033701
Fiber and other **unavailable** carbohydrates and energy effects in the [human] diet. 032282
Graft polymerization of **wood** *fiber.* 035858
Projection of world demand and supply for **wood** *fiber* to the year 2000. 035884
Fiber and **yarn** data on sixty-two research cotton samples. 033171
The quantitative analysis of [synthetic and natural] *blended-fibre* **yarns** by point-counting. 032870
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the *fiber* **yield** and length. 036418
The influence of date of sowing on the incidence of tip-rot [Phoma] and *fibre* **yield** of mesta [Hibiscus cannabinus]. 038665
Effect of sodium metasilicate (foliar application) on juice quality, *fiber* and **yield** of sugar in Co. 419 [variety]. 040984

FIBRILS

Fibril **formation** in solutions of solubilized collagen [of cattle skin]. 033824
Optical isomers of verapamil on canine heart. Prevention **ofventricular** *fibrillation* induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116

FIBRINOLYSIS

Long term effect of onion on experimentally-induced hypercholesteremia and consequently **decreased** *fibrinolytic* activity in rabbits. 035322
Inhibition of **plasmin-mediated** *fibrinolysis* by vitamin E. 032396

FIBROBLASTS

Electron microscope examination of Tyuleniy virus-infected **chick** *fibroblast* cells. 035281
Rous sarcoma virus activates embryonic globin genes in **chicken** *fibroblasts.* 035188
Ascorbate increases the synthesis of procollagen hydroxyproline by **cultured** *fibroblasts* from chick embryo tendons without activation of prolyl hydroxylase. 033786
Effect of proteases on activation of resting chick **embryo** *fibroblasts* and on cell surface proteins. 033855
Stimulation of lactic acid production in chick **embryo** *fibroblasts* by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Interaction of multiplication-stimulating activity with chick **embryo** *fibroblasts* demonstrates a growth receptor. 034112
Propagation and characterization of Ranikhet (Newcastle) disease virus in chicken **embryo** *fibroblast* and kidney cell culture. 035084

FIBROSIS
Effects of the ingestion of vitamin E with vitamin A on serum levels and urinary creatine/-creatinine in children with **cystic** *fibrosis.* 032274

FICUS
Acclimatization of [ornamental] tropical trees for interior use *[Ficus* **benjamina,** Brassaia actinophylla]. 038358
Spectrophotometric analysis of the preparation psoberan *[Ficus* **carica**]. 037676
Studies on propagation of *Ficus* by **hardwood** cuttings. 038266
The triterpenoid constituents of the leaves of *Ficus* **nitidaL.** Constituents of local plants. XXII. [Egypt]. 037135
Notes on the vine mealybug **[Planococcus** *ficus]* (Homoptera: nufacture]. 039344

FILAMENTS
Geometry of **bent** *continuous-filament* yarns. 033106
Filament **formation** in the diatom Skeletonema costatum [Algae]. 036346

FILARIA
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of *filaria* in the **California** vallley quail [Culicoides multidentatus, Culicoides lophortygis]. 040003

FILARIASIS
Filarial **infections** of dogs in the Zaria area. A microfilarial survey. 034994

FILARIOIDEA
Developmental effects of Brugia pahangi (Nematoda: *Filarioidea)* to **high** temperature in susceptible genotypes of Aedes aegypti (Diptera: Culididae). 039476

FILLERS
Effect of polyelectrolyte molecular weight and stock agitation on *filler* **retention** [Paper manufacture]. 035881

FILMS
Culture of grape seedlings in **assembled** *film* frame greenhouses. 038466
Chloroplast fluorescence of C4 [carbon] plants. I. Detection with infrared **color** *film.* 037206
Growth potential of clostridium botulinum in fresh mushrooms packaged in semipermeable **plastic** *film* [Food contamination]. 031948
Further experimental contributions to using **plastic** *films* for bleaching and mulching chicory (Cichorium intybus L.), variety Variegato di Castelfranco. 038464
A negative **staining-carbon** *film* technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
Densities of bacteria and fungi in coastal **surface** *films* as determined by a membrane-adsorption procedure. 036233
Lactobacilli and gas formation of *film* **wrapped** Cheddar cheese. 033029

FILTERS
The transmission and effect on yield of rye grass mosaic virus in a *filtered* **air** environment. 038880
Intervals of oil renewal and *filter* **cleaning** when using rotamol MD 302 in the engine JaMZ 238 NB of the K-700 tractor. 040427
Dry *filtering* systems for bacteriologically sound powder recovery [Air pollution from manufacture of dried milk]. 041623
Filtration technique and *filter* **materials** [Wine making]. 033330
Sugar form **paper** *filters* [Lignin research]. 035839
Snythesis of **trickling** *filter* and activated sludge processes [Water purification]. 041677

FILTRATION
The manufacture of Mozzarella and related **cheese** by *ultrafiltration.* 032957
Utilization of by products from the *ultrafiltration* of **dairy** products. 032991
Removal of algae from Florida lakes by **magnetic** *filtration* [Pollution]. 041487
Production of crude lactose from *ultrafiltration* **permeate.** 033012
Filtration **technique** and filter materials [Wine making]. 033330

FIMBRIAE
The structure of **pili** *(fimbriae)* of Moraxella bovis [Bacteria pathogenic to animals, infectious keratitis]. 035039

FINANCE
Finance and **accounting** for the sugar industry. 031468
Prospects for *financing* **agricultural** enterprise. 031423
The future structure of **agricultural** *finance* in New Zealand. 031492
Role of commercial banks in *financing* **agriculture.** 031464
Know-how-bank for the mountain regions **[Agriculture,** *finance].* 031506
Title X *funds* in **Archuleta** County [Colorado, soil conservation programs]. 041205
Commercial **banks** *financing* agriculture. 031448
Cellular *funds* of sugars and respiration [Peas]. 037858
The *financing* of **co-operative** credit associations in the developing countries. 031432
The **general** *financial* overview and implications to the livestock industry [Prices, inflation]. 031715
Pesticides and requirements of **institutional** *finance* [India]. 039543
The influence of **international** *financial* problems on food and nutrition. 031847
The property tax as a source of revenue to *finance* **local** public services in rural parishes of Louisiana. 031440
Task and *financial* **planning** in the Federal Ministry of Agriculture. Concept and practical experience. 031431
The *financial* **position** of beginning attempts in glasshouse horticulture. 031429
Financial **problems** in agriculture. 031514
Eighteenth session, Rome, 2-27 November 1975. World Food Programme: *financial* **report** and statements 1974, III. 031800
Study of **time** *funds* available for maintaining industrial dairy cattle plants. 031250
Basic and purchase prices for fruit and vegetables for the 1975/76 *fiscal* **year** [European Economic Community]. 031651
U.S. Agricultural imports from 50 major countries, *fiscal* **years** 1970-75 [Statistics]. 031586

FINENESS
Connection of the *fineness* of **fleece** with feeding conditions and their seasonability in sheep. 034489
Ultrafine **structure** of the integument of the [blood sucking] tick Hyalomma asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504

FINES
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light Gray **Forest** *fine* loamy soil. 040869
Karyotype of an interspecific hybrid of the urial (Ovis vignei) with the **Kazakh** *Fine-Fleeced* sheep. 034820
Theoretical and practical aspects of dynamic consolidation [of *fine* **saturated** soils]. 040592
Functional and *fine* **structural** relationships of parathyroid glands [Nutritional diseases, cows, dogs, rabbits]. 033726
A cinematographic analysis of the *fine* **structure** of a waterice solidification interface. 032733
Fine **structure** of chicken thymic epithelial vesicles. 034048
Observations on the *fine* **structure** of the haustorium of Melampsora pinitorqua (A. Br.) Rostr. in cells of Pinus pinea L. 036298
The *fine* **structure** of the zoospores of Fritschiella tuberosa Iyeng. (Chaetophorineae, Chlorophyceae) with special reference to the flagellar apparatus [Algae]. 036352
Structure and function of the genetic information in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the *fine* **structure** of plastids. 036394
Study of the localization of RNA synthesis in *fine* **structure** of chloroplasts [Peas]. 037682
The jumping mechanism of Xenopsylla cheopis. II. The *fine* **structure** of the jumping muscle. 039898
Practical verfication of the possibility of snynchronization of the estrus of *semi-fine* **wool** sheep in the period of fertility by oral administration of superlutine. 034138

FINGER
Putting the *finger* on **grower** mistakes [Potatoes, production]. 038258
Factors affecting the quality of [sawn timber] *finger* **joints** manufactured in commercial jointing machines. 035845
Pattern of dry matter accumulation and distribution in *finger* **millet** genotypes in relation to levels of spacing and nitrogen. 038084

FINGERLINGS
Prolonged oral administration of methyl mercury chloride to rainbow trout (Salmo **gairdneri)** *fingerlings.* 039345

FINISHES
Migration of *finishing* **agent** in tubular processing of knitted cotton fabrics. 033176
Effect of supplemental selenium on performance and deposit of selenium in blood and hair of *finishing* **beef** cattle. 034408
Comparisons of ground and whole shelled corn, roughage supplements and potassium and cobalt additions in *finishing* **beef** steers. 034440
The influence of sodium acetate in rations for *finishing* **beef** cattle. 034448
Potentials of organic solvents in *finishing* of **cottons.** 033180
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and **feedlot** *finishing* programs [Beef cattle]. 034443
A durable **flame-retardant** *finish* for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. 031951
Evaluation of "piegon grass" screenings as a component of rations for *growing-finishing* **pigs.** 034452
Digestibility of *finishing* **rations** containing milled rice or corn [Beef cattle]. 034441
Choosing protein supplement for **steer** *finishing* rations. 034366
Use of poultry manures in **steer** *finishing* rations. 034417
Effects of group size and of negative air ionization on performance of *growing-finishing* **swine.** 034000
Effects of storage technique for immature maize on the utilization of its carbohydrates and nitrogen in *growing-finishing* **swine.** 034289
Source and level of phosphorus for *growing-finishing* **swine** [in barley-soybean meal diets]. 034416

FIRE
Nutrient status of apple blossoms and their susceptibility to *fire* **blight** [Erwinia amylovora]. 038850
The *fire* **brigade** stops a raging corn epidemic [Blight, Helminthosporium maydis]. 038832
An effective ammonia reactor for the continuous production of *fire-retardant* **cotton** fabrics. 031952
Effects of milk on *fire-retardant* **cotton** fabric. 031953
Debris flows **following** *wildfire* in north central Washington[Watersheds, forest management]. 035499
Forest *fires.* 035457
Early intervention and extinguishing of **forest** *fires* by using a diesel Campagnola truck equipped with automatic spraying. 035474
Forest *fire* losses in Australia 1970-71. 035482
Chaparral shrub control as influenced by grazing, **herbicides** and *fire.* 038003
Recording wind velocity direction, and temperature in [forest] *fires* by **logarithmic** technique. 035507
Prescribed burning: **prescribed** *fire* is a practical, inexpensive form of fuel management. 035658
Health, labor and *fire* **protection** as a task of [farm] management. 031327
Organization of *fire* **protection** for forests with use of aircraft. 035473

FIREFLIES
Biosynthesis of *firefly* **[Luciola** cruciata] luciferin. Probable formation of benzothiazole from p-benzoquinone and cysteine. 039675
Computer simulation of *firefly* **[Photinus,** macdermotti] flash sequences. 039860
Flash pattern recognition in *fireflies* **[Photinus** macdermotti]. 039861

FIREPROOFING
New or unusual approaches to *flameproofing* **[Cotton,** textiles]. 031957
Proceedings of the 13th cotton utilization research conference, New Orleans, Louisiana, May 14-16, 1973 *[Flameproofing* **fabrics,** processing]. 033181

FIRS
An appraisal of the *fir* **[Abies]** regeneration problem. 035654
The presence of biseriate rays in *fir* **(Abies** alba Mill.) [Wood anatomy]. 035779
Scleroderris [lagerbergii] canker of *Todo-fir* **[Abies** sachalinensis] in Hokkaido, northern Japan. V. Relationship between disease development and forest type. 038613
Development and composition of the [wood] warty layer in **balsam** *fir* [Abies balsamea]. II. Composition. 035897
Lumber recovery from large, highly defective, low grade **coast** *Douglas-fir* [Pseudotsuga menziesii]. 035893
Compression strength adjustments for moisture in **commercial** *Douglas-fir* [Pseudotsuga menziesii] plywood. 035744
Douglas *fir* [Pseudotsuga menziesii] IUFRO [International Union of Forestry Research Organizations] provenances in the Netherlands 1968-69 series. Nursery results. 035677
Introduction of **grand** *fir* (Abies grandis Lindl.) to European forests. 035689
Some wood quality properties of Danish grown **grand** *fir* [Abies grandis] and Norway spruce [Picea abies]. 035734
Problem of the regeneration of fir and mixed stands with *fir* with the use of **improved** cutting methods in the light of studies in the VIth Land—Central Poland Uplands. 035623
Strength and deformation of **pitched-tapered** *Douglas-fir* [Pseudotsuga menziesii] glued-laminated beams. 035900
Ipsenol, the population control material for **silver** *fir* bark beetle [Pityokteines curvidens, Coleoptera, Scolytidae]. 039404

FISCAL *see* **FINANCE**

FISH
The natural history of anisakiasis in **animals** *[Fishes].* 035124
Ultrastructural analysis of the freeze-etched spore envelope of the microsporidian, Nosema **apis** *Zander* [Disease of honeybee]. 040297
Quality control [of *fish]* from **catch** to dining table. 032051
Biochemical differences between the fed and white meat of *tuna* and **changes** in quality during freezing and storage. 032792
Mercury and mink. I. The use of mercury **contaminated** *fish* as a food for ranch mink [Toxicity]. 035399
Determination of micro-amounts of mercury in *fish* **[Contamination].** 032148
Sublethal effect of 5-chlorouracil on *carp* **(Cyprinus** carpio) larvae. 039577
The effects of the ABS [alkyl benzen sulfonate], LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on *fish,* **domestic** animals and plants. 041648

The incidence of Clostridium botulinum in **farmed** *trout* raised in Great Britain [Food contamination]. 032077
A *fish* **[farming]** story pans out, and world is better fed. 033692
Studies on the denaturation of fish muscle proteins. I. Physico-chemical and electron microscopical studies of **freezedenatured** *carp* actomyosin. 032767
Experimental results from a study on the use of liquid nitrogen for *fish* **freezing.** 032742
Quality of on-board frozen tuna meat with reference to freshness of the *fish* and the **freezing** conditions. 032752
Quality problems of *fish* **frozen** aboard. 031975
A comparison of bacteriological methods of examining the hygienic status of **frozen** *fish* products. 031994
Quality of on-board **frozen** *tuna* meat with reference to freshness of the fish and the freezing conditions. 032752
Epidemiology of Vibrio parahaemolyticus infection in **humans[Raw** *fish,* shellfish, and cucumbers in brine]. 032111
A survey on the quality of **Indian** *fish* meal of commerce. 033512
Isolation of halophil Vibrio spp. In **marine** *fish* and fish products [Contamination]. 032154
Value of *herring-/fish* **meal** [Livestock feed]. 033559
Broiler chicken compound forages mostly with native raw materials. I. Replacement of *fish* **meal** by bird offal and forage yeasts meal at normal protein level. 034533
Studies on adhesion of *fish* **meat** products to casing in fish sausage and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on adhesion of *fish* **meat** products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. 032766
Studies on the denaturation of *fish* **muscle** proteins. I. Physico-chemical and electron microscopical studies of freezedenatured carp actomyosin. 032767
Fish **muscle** structural proteins [Fishery products]. 032795
Effect of stacking and freezing on the muscle qualities of red salmon (Oncorhynchus **nerka**) *[Fish].* 032741
Monitoring pesticides by means of changes in electric potential caused by *fish* **opercular** rhythms. 039587
Comparative biochemistry of Antarctic proteins [Penguins and *fish,* **potential** utilization]. 032195
Electron paramagnetic resonance studies of actin-lipid interaction in aqueous media *[Fish* **processing].** 032850
Parameters affecting the viscosity of chitosan from prawn waste *[Fish* **processing].** 032868
Isolation of halophil Vibrio spp. In marine fish and *fish* **products** [Contamination]. 032154
Measurement of contact surface between *fish* **products** and a contact freezer. 032749
Prolonged oral administration of methyl mercury chloride to **rainbow** *trout* (Salmo gairdneri) fingerlings. 039345
The "new disease" status of human anisakiasis and North American cases: a review [Contaminated **raw** *fish].* 032098
The nematodes that cause anisakiasis [Contaminated **raw** *fish].* 032100
Studies on adhesion of fish meat products to casing in *fish* **sausage** and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on adhesion of fish meat products to casing in *fish* **sausage** and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. 032766
Some European developments in the chilling and freezing of *fish* at **sea.** 032755
Hygiene of *fish* and **shellfish** [Contamination]. 031985
Comparison between refrigerated sea water (with or without added carbon dioxide) and ice as storage media for *fish* to be **subsequently** frozen. 032739
Studies on smoke curing of **tropical** *fishes.* 032798
Freezing times for blocks of *fish* in **vertical** plate freezers. The effect of contact area and block density. 032743

FISHERIES

National **marine** *fisheries* service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and arsenic content [Contamination]. 032070
Chitosan from squilla *[Fishery* **products].** 032793
Fatty acid composition of anchoviella and thrissocleus *[Fishery* **products].** 032794
Fish muscle structural proteins *[Fishery* **products].** 032795
Freeze drying of *fishery* **products.** V. Storage characteristics of ready-to-serve freeze dried foods. 032796
Shrimp extract from prawn waste *[Fishery* **products].** 032797
Fisheries **research** in India: present and future [Food supply]. 031832

FISHING

Recreation guide: *fishing,* **camping,** services, hunting [in] Lauderdale, Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. 041650
Fee *fishing* lakes in Ohio [Recreation, directories]. 031229
A *fishing* **trip** 'hooks' into conservation. 041659

FISHMEAL

Danish *fishmeal* exports off; oilseed needs may rise. 031604
World production and utilization of *fishmeal* and **factors** affecting quality and marketability [Animal feeds]. 033534

FISHPONDS

Transpiration in seven plant species colonizing a *fishpond* **shore.** 036830

FISSION

Thrombocytes and coagulation of blood in cows affected by a mixture of **nuclear** *fission* products [Radiation injuries]. 035438
Study of the genetic effects induced in populations by radioactive products of the **nuclear** *fission* of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Synchronization of the *fission* **yeast** Schizosaccharomyces pombe using heat shocks. 037110

FIXATION

Relation between the agrochemical properties of soils, their content of nonexchangeable ammonium and its *fixation* **capacity.** 040834
Characterization of the phytochrome-containing particles obtained by **glutaraldehyde** *pre-fixation* of maize coleoptiles. 037477
Fixation of **iron** and zinc applied as chelates into a soil column during leaching. 040762
Role of microorganisms in the mobilization and *fixation* of **iron** in soils. 040835
Green Revolution and vital factors in steady increase in crop production and atmospheric **nitrogen** *fixation* in the slow oxidaton of organic matter by air and the protein problem. 031849
Algal **nitrogen** *fixation* in Californian streams: seasonal cycles. 036949
Algal **nitrogen** *fixation* in Californian streams: diel cyclesand nocturnal fixation. 036950
Nitrogen *fixation* associated with the marine macroalga Codium fragile. 037090
Diurnal changes in **nitrogen** *fixation* in the root nodules of Casuarina [cunninghamiana]. 037247
Non-symbiotic **nitrogen** *fixation* in soil. 040652
Nitrogen *fixation* in Flax Pond: a Long Island salt marsh. 040684
Algal nitrogen fixation in Californian streams: diel cyclesand **nocturnal** *fixation.* 036950
Release and *fixation* of **potassium** in some soils supporting the oil palm (Elaeis guineensis Jacq.) in Nigeria. 040646
The use of mid-day 14C [carbon isotope] *fixation* **studies** inthe determination of primary productivity in lake systems [Algae]. 037246

FIXATIVES

Appearances of microtubules [of Nephrotoma saturalis and rats] after various *fixative* **procedures,** and comparison with the appearances of tobacco mosaic virus. 039824

FLAGELLARIACEAE

Stomatographic **study** of the *Flagellariaceae.* 036287

FLAGELLATE

Nucleotide-metabolizing enzymes in Chlamydomonas [reinhardi] *flagella* **[Algae].** 037020
Effect of colchicine, maleic hydrazide, caffeine & theobromine on cell division of the **algal** *flagellate* Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
The fine structure of the zoospores of Fritschiella tuberosa Iyeng. (Chaetophorineae, Chlorophyceae) with special reference to the *flagellar* **apparatus** [Algae]. 036352
Ultrastructural changes and a second mode of *flagellar* **degeneration** during ageing of phytophthora palmivora [Fungi] sporangia. 037023
Possible formation and development of spirochaete attachment sites found on the surface of symbiotic **polymastigote** *flagellates* of the termite Reticulitermes flavipes. 039637
Studies on the **rumen** *flagellate* Neocallimastix frontalis. 034060

FLAKING

Oxidized phosphatidylcholines from defatted **soybean** *flakes* taste bitter. 033252

FLAMEPROOFING *see* FIREPROOFING

FLAMES

Comparison of mineral acids in wet digestion of plant materials for flame and *flameless* **atomic** absorption measuremnt of metals. 037284
Flame-retardant **cotton** and synthetic fabric blends. 031955
Oxyluminescent behavior of *flame-retardant* **cottons.** 031958
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: insecticides, petroleum **distillates,** and *flaming.* 039301
A **durable** *flame-retardant* finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. 031951
Electron microscopy of *flame-resistant* **fabrics** [Cotton]. 031954
Comparison of mineral acids in wet digestion of plant materials for *flame* and **flameless** atomic absorption measuremnt of metals. 037284
The effects of dyes on the *flame* **retardancy** of cotton fabric. 031960
Strength of individual fibers treated with the *flame* **retardant** THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. 031959

FLAMMABILITY *see* INFLAMMABILITY

FLATLANDS

Sedimentation of a *flatland* **watershed** in Louisiana. 041389

FLAVINES

The activity of **glutathione-reductase** and *flavin* **adenine** dinucliotide effect as indicators of the riboflavin allowance in experiments and in patients with phenylketonuria. 032498

FLAVONES

Linaroside—a **new** *flavone* glycoside from some species of Linaria [kokanica, Linaria sessilis]. 036889
Structure & synthesis of salvitin, a **new** *flavone* isolated from Salvia plebeia. 036987
Flavonols and flavones of vegetables. V. Flavonols and *flavones* of **root** vegetables. 033484

FLAVONOIDS

Enzymology of *flavonoid* **biosynthesis** [Plants]. 036797
Studies on the components of Formosan Cirsium species. III. *Flavonoids* of **Cirsium** kawakamii hayata and Cirsium wallichii DC. 037028
Flavonoids of **Doronicum** intermedium. 036879
Pig heart mitochondrial ATPase [adenosine triphosphate]: properties of purified and membrane-bound enzyme. **Effects** of *flavonoids.* 033821
Aglycone composition of the *flavonoid* **glycosides** of Astragalus mongolicus. 036869
Degradation of *flavonoids* and **isoflavones** [metabolically active plant constituents], a review. 036796
Flavonoids of the **leaves** of Rhamnus pallasii. 036880
The **novel** *flavonoid* chemistry and phylogenetic origin of Phlox floridana [Genetics]. 036489
Labile bound phenolcarboxylic acids and *flavonoids* in **pericarp** and placenta of oil poppy [Papaver]. 036933
Thermofractography for **recognizing** *flavonoids.* 037149
Flavonoids from some **species** of Delphinium. 036878

FLAVONOLS

Anthocyanin, *flavonol* **copigments,** and pH [hydrogen-ion concentration] responsible for larkspur flower color [Consolida ambigua; Delphinium ajacis]. 037802
Flavonols and **flavones** of vegetables. V. Flavonols and flavones of root vegetables. 033484
Fluorescent method for quantitative determination of *flavonols* and **indols** in Pisum sativum [pea] chloroplasts. 037703
New *flavonol* glycosides from the needles of Larix sibirica. 037905

FLAVOR

Organoleptic and chemical evaluation of *flavour* **changes** during storage of ghee prepared from fresh and ripened desi butters. 032966
Forecast for use of fruit and *flavors* in **cultured** [dairy] products. 032939
What's new with yogurt fruits and *flavors* and other **cultured** products. 032942
Development of *cheese-flavored* **dairy** spreads with controlled fat content. 032961
Greens to *flavour* your **dishes** [Cultivation]. 038379
The role of sulfur compounds in **food** *flavor.* I. Thiazoles. 032780
Some 4,5-dialkylthiazoles with potent bell pepper like aromas [Possible use as **food** *flavorings].* 032854
Volatile heterocyclic compounds in the reaction of glyoxal with glycine **[Food** *flavor].* 032855
The history and use of nitrate and nitrite in the curing of meat. **[Food** *flavoring].* 033078
Microbiological evaluation of raw, pasteurised and *flavoured* **milk** [Quality control]. 032085
Utilization of soymilk in *flavoured* **milk** preparation. 032974
Protein *flavour* problems. 032807
Flavor **secrets** from foreign lands: Ethiopia. 032694
Flavor **secrets** from foreign lands: Argentina. 032695
Flavors that **sell** preserve the sweet taste of success. 032630
Flavourings for **soft** drinks. 032804
Effect of total lipids and phospholipids on **warmed-over** *flavor* in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. 033131

FLAX

Can **common** *flax* become one of Sweden's oil plant crops? [Culture]. 038161
Structural organization and the pigment fund of the plastid apparatus of the unit of the leaf surface area and the productivity of *flax* under different **conditions** of zinc and copper nutrition. 037576
Improvement of labor organization and wages in mechanized teams [in **fiber** *flax* growing farms]. 031355
Heating the seeds of **fiber** *flax* with warm air [for increasing germination percentage]. 037785
PTP-1 works efficiently [Pickup device for harvesting **fiber** *flax* stems after dew retting]. 038073
Stand density and the lodging of **fiber** *flax* plants. 038074
Time of sowing **fiber** *flax.* 038077
Aspects of the cultivation of **fiber** *flax* in France. 038105

Agrobiological and technological studies on new promising **fiber** *flax* varieties. 038130
About the wear of beater bars [in the **fiber** *flax* scutching machine]. 040504
Study of supplementary lighting in greenhouses. Ecophysiological aspects of *flax* **growth** under different light conditions. 037495
Several methods of increasing the production of **oil** *flax* under conditions of the lowland Jijia-Bahlui. 038118
Self depression of *flax* **plants** in early stages of development in mono-culture. 037464
Effects of combinations of different day-length conditions during the growth of *flax* **plants** (Linum usitatissium L.) on their growth and development. II. Effects of transfer from short day to natural long day. 037539
Nitrogen fixation in *Flax* **Pond:** a Long Island salt marsh. 040684
The change of agrochemical properties of soddy-podzolic sandy-light loamy soil as a result of long-term application of fertilizers in a crop **rotation** with *flax*. 040873
Machinery and technologies applied in *flax* **seed** conditioning in order to eliminate Lolium remotum seeds. 040520
Contribution to the explanation of the biogenesis of cyanogenic glucosides [in **trefoil** and *flax]*. 037501
Callus formation and organogenesis of mature cotyledons of Linum usitatissimum L. variety szokijskij *[flax]* in **vitro** culture. 037436

FLEAS

Flea **beetle** [Diamphidia, Polyclada] poison. 039465
Study of rickettsioses in Slovakia. II. Infestation of *fleas* and **mites** in mole nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. 039472
Notes on a collection of *mammal-fleas* from **New** Hampshire. 039453
Field studies of systemic insecticides. I. Evaluation of phoxim for control of *fleas* **[Polygenis** gwyni] on cotton rats. 039477
Fleas **[Siphonaptera]** of Citellus fulvus Licht. And their infection rate with the plague agent over the territory of Kazakhstan and Central Asia. 039498
Fleas—**Siphonaptera.** 040112
The effect of a long contact of the population of *fleas* **[Xenopsylla** cheopis] with plague Bacteria on the infection activity of vectors. 039503

FLEECE

Connection of the fineness of *fleece* with **feeding** conditions and their seasonability in sheep. 034489

FLIES

Insect mycoses and their importance in the [biological] control of **biting** *flies* [Livestock pests]. 039515
Controlling **black** *fly* [Simulium arcticum] outbreaks [Cattle]. 039449
Notes on parasitism of **black** *flies* (Diptera: Simuliidae) in streams treated with Abate. 039481
Chemical *fly* [Musca domestica] control in Ohio dairy barns. 039495
Cluster *flies* [Pollenia]. 040084
Role of calcium and cyclic AMP [adenosine monophosphate] in **controlling** *fly* [Calliphora] salivary gland secretion. 039799
The **dancing** *flies*—Empididae. 040113
Optical qualities of the *fly* **[Diptera]** eye—an approach from the side of geometrical, physical and waveguide optics. 039791
Brain research on the navigation system of *flies* **[Drosophila].** 039889
Recorded distribution of the **face** *fly* [Musca autunmalis] inArkansas in 1975 [Livestock]. 039447
Filth *fly* [Musca domestica] sources in decaying melon fields in southern California's low deserts [Spalangia, biological control]. 039323
Diapause in the Australian **flesh** *fly* Tricholioproctia impatiens (Diptera: Sarcophagidae). 039630
Diapause in the Australian **flesh** *fly* Tricholioproctia impatiens (Diptera: Sarcophagidae). 039631
Frit *fly* [Oscinella frit] in grain and grass. 039293
Investigation of synchronous and parallel changes in the gene pools in natural populations of the **fruit** *fly* Drosophila melanogaster. 039920
Sampling of the visual environment by the compound eye of the *fly:* **fundamentals** and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795
Ecology of *flies* of the **genus** Fannia (Diptera, Muscidae) in Ivanovo district. 039967
Hessian *fly* [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in hard red winter wheat. 039263
Horse-faced *flies* [Panorpa lugubris]. 040086
Pyrethroid contact sprays against the **house** *fly* (Musca domestica L.). 039484
Kelp *fly* [Chaetocoelopa sydneyensis] virus [cultured in Galleria mellonella larvae]. 039851
An entomological contribution to the problem of *fly-infected* **meat.** A few biological data on Piophila and Calliphora. 031996
Waveguide mode effects, birefringence and dichroism in *fly* **[Musca]** photoreceptors. 039797
Influence of **parasitic** *flies* (Phasiidae) upon the genital system Eurygaster integriceps. 039970
Key to subfamilies of **robber** *flies* based on pupal cases, with a description of the pupal case of Doryclus distendens (Asilidae: Megapodinae). 040140
Anatomical and histological study of the cabbage **root** *fly* Hylemya brassicae rectum on the occurrence of a pheromone gland. 039871
Screwworm *flies* [Cochliomyia hominivorax] for sterle-male relase: laboratory tests of the quality of candidate strains. 039487
Sexual drive of normal and **SR** *flies* of Drosophila nebulosa. 039734
Attractants for **synanthropic** *flies:* Identification of attractants and coattractants for Hippelates [collusor] eye gnats (Diptera: Chloropidae). 039467
Habitat preference of **tabanid** *flies* [Tabanidae] in Hokkaido based upon the collection of female adults. 040105
The microorganisms of **tsetse** *flies* [Glossina]. 039438

FLIGHTS

A method of separating and monitoring honeybee [Apis mellifera] *flight* **activity** at the hive entrance. 040241
Flight **behaviour** studies on diploid drones of Africanized honeybees, Apis mellifera adansonii. 040245
Genetic effects of Drosophila [melanogaster] exerted by factors of the **cosmic** *flight* in the space-ship "Cosmos 573". 039761
Fuel economy during *flight* of the **dragonfly** pantala flavescens (F). 039803
Biochemistry of **insect** *flight.* 1. Utilization of fuels by muscle. 039770
Biochemistry of **insect** *flight.* 2. Fuel supply. 039771
A case of **mass** *flight* of Sehirus morio L. 039645
Contributions to the study of the **mating** *flight* of honeybee (Apis mellifica mellifica L.). 040192
Contributions to the knowledge of the **mating** *flight* of the honeybee (Apis mellifera mellifera L.). 040193
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with *flight* **motoneurones.** 039845
Humidity inside the hive and brood activity by the honeybee (Apis mellifica L.) in a *flight* **room.** 040194
Humidity inside the beehive and brood activity of the honeybee (Apis mellifera L.) in a *flight* **room.** 040195
Seasonal *flight* periods of Tabanidae (Diptera) in Rhodesia. 039842
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. I. The species composition and **variation** of *flights.* 039697

FLOCKS

Temperature sensitivity studies on selected strains of Mycoplasma gallisepticum **[Infected chicken** *flocks].* 035036
Farm forestry short course, *Flock* **House,** February 1975. 035469
Effects of density and social order of the *flock,* and of **length** of feeding troughs, on the performance of layng hens rationed in feed. 034363

FLOODS

Application of Thiery's method of comparison for predictingthe gradient stability of some streams of Sieve Valley *[Flood* **control].** 041346
Sediment control at Imperial Dam [Colorado River, *flood* **control].** 041381
Regulation of the water regime on agricultural lots and *flood* **control,** a premise to secure high yields. 041417
Continuous trench construction method and grouted anchorage for regulation of the Vecht River in Schuettorf *[Flood* **control].** 041443
Control system for detention reservoirs *[Flood* **control].** 041445
Cost-benefit analysis as a basis for **dimensioning** *flood* control measures: an empirical report. 041446
Height growth of black spruce and jack pine [Picea mariana, Pinus banksiana] seedlings in *flooded* **flats.** 037911
Effect of aeration on the *flood-induced* **formation** of adventitious roots and other changes in sunflower (Helianthus annuus L.). 037529
An application of stochastic process in *flood* **frequency** analysis for Lanyang River at Lanyang Bridge. 041429
One hundred and twenty years of cooperation in control of *floods* and **interior** waters on the left bank of the Vah River. 041227
Growth of Ulmus laevis and Fraxinus excelsior seedlings in relation to **length** of *flooding.* 035656
Channel changes produced by the 1973 *flood* on the **lower** Mississippi River. 041367
A new approach to the estimation of **low-frequency** *floods* for small watersheds: eastern slope, Pennsylvania. 041426
Acidification and deacidification of coastal plain soils as a result of **periodic** *flooding.* 040756
Evaluation of an extensive sediment control effort in the Los Angeles River basin *[Flood* **Prevention** Project]. 041373
Flood **protection** control in the upper Lippe River basin. 041449
Surprise land use law **raises** *flood* of fears. 031908
A laboratory evaluation of trash racks for drop inlets [to prevent plugging of closed-conduit spillways that release waer from *floodwater-retarding* **resevoirs].** 040539
N [nitrogen] balance in *flooded* **rice** culture in relation to methods of application. 040851
Ecology of the Lower Tana **Rive** *flood* plain (Kenya). 036217
Proline accumulation in *flooded* and **wilted** sunflower and the effects of benzyladenine and abscisic acid. 037384

FLOORS

Effect of *floor* and **feeding** space on the performance of broiler chicks. 033632
Tie-up keeping of nursng sows on composite solid and **gratingg** *flooring.* 033650
Flooring for **housing** of breeding bulls. 040393
Relative costs of wall construction for *underfloor* **manure-storage** tanks [for a confinement swine unit]. 040370
Renovating and laying **wooden** *floors.* 040347

FLORA

The *flora* and **algal** associations of Salomon's Spring (Anterselva, Bolzano): summer facies. 036019
Changes in the **algal** *flora* of East Harbor, Ottawa County, Ohio, since 1900. 036096
Staphylea colchica Stev., the new species in the *flora* of **Azerbaijan.** 035983
The effect of lactic acid [as a preservative] on the **bacterial** *flora* and the color of fresh meat. 033072
Coprophagy-dependent changes of the anaerobic **bacterial** *flora* in stomach and small intestine of the rabbit. 035289
The Pyrenees for **botanists** *[Flora].* 036046
Comparison of the present and past bryophyte [Bryophyta] *flora* of **Cedar** Bog. 036097
Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, **fungal** *flora* on agricultural commodities, feedstuffs]. 032114
Contribution to the **fungal** *flora* of Kuwait. 036154
A comparison of the production of the **ground** *flora* and of the rate of organic fall in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. 036922
Studies on the effects of overseeding of Italian-ryegrass **[Lolium** *multiflorum]* on the production of knotgrass sward [Paspalum distichum]. 037986
Barley, oats, and field beans with undersown Italian ryegrass **[Lolium** *multiflorum].* The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
Medicinal *flora* of Mount Peglia (Umbria). 035958
Medicinal *flora* of Mount Malbe (Umbria). 035959
The succession of Australian pre-Tertiary **megafossil** *floras.* 035971
High valley pastures of **Menotre** *[Flora].* 035957
Hygienic studies on **microbial** *flora* of foods. 031972
The **microbial** *flora* of rock shrimp Sicyonia brevirostris. 032099
Development of **microbial** *flora* of "Caciotta" ewe's milk cheese during ripening. 032943
Nectariferous *flora* [Honey plants]. 038539
Nectariferous *flora* [Honey plants]. 038540
New for the *flora* of the **North** Vietnam species of the genus Schefflera Forst. et Forst. f. from the subsection Octophyllae Tseng et Hoo and some problems of their biology. 035977
Impressions of a trip to Yugoslavia in the sprng **og** 1974 *[Flora].* 035975
The genus Populus in **Paleogene** *flora* of Sakhalin. 035984
The control of moulds on avocado and its effect of the change in the *flora* of **pathogenic** fungi on the fruit. 038624
Atlas of the *flora* of **Pennsylvania.** 035991
New discoveries in **Piedmont** *flora.* 036017
Contributions to the *flora* and **plant** ecology of Campbell Island. 036066
Studies of tolerance to heavy metals in the *flora* of the **rivers** Ystwyth and Clarach, Wales [Algae, pollution monitoring]. 036951
Adelanthus decipiens (Hook.) Mitt. [Hepaticae], a new species for the **Spanish** *flora.* 035934
Cyclodictyon laete-virens (Hook. Et Tayl.) Mitt., a new species for the **Spanish** *flora* [Musci]. 035936
The quantitative analysis of *flora:* **Spatial** diversity, the level of specific richness and representativity of sampling areas. 035985
Contribution to the knowledge of the **Tertiary** *flora* of Bulgaria: New plant fossils from the Pliocene. 036010
The natural history of Namoluk Atoll, eastern Caroline Islands, with identifications of **vascular** *flora.* 035963
Anegada Island: **Vegetation** and *flora.* 035962
Limitations in the use of herbicides—the protection of **wild** *flora* and fauna [Netherlands]. 039191
Yeast *flora* of the rhizosphere and phyllosphere of plants. 037123

FLORIBUNDA *see* ROSES

FLOTATION

Some effects of sludge characteristics on dissolved **air** *flotation.* 041646
Determining basic parameters of logs **collectors** [before *floating].* 035795
Floating **islands** for waterfowl in Arizona. 041661

Aquatic [ornamental] plants with *floating* **leaves.** 038485
A wet-sieving and *flotation* **technique** for the detection of resting sporangia of Synchytrium endobioticum [potato wart disease] in soil. 038563

FLOUR

Proposed European Economic **Community** *flour-types* and their baking behavior. 033233
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and heat-treated **corn** *flour* and of the mixtures studies. 033208
Baked foods fortified with deglanded **cottonseed** *flour* protein. 032263
Flours made from **edible** yams (Dioscorea spp.) as a substitute for wheat flour. 033417
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity *[Flour* **pests].** 039426
Inheritance of *flour* **protein** content in a wheat cross between C 273 X S 308 [Varieties]. 036605
Sarsazan *flour* [Halocnemum strobilaceum]. 033303
Production of high-protein quality pasta products using a **semolina-corn-soy** *flour* mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Millet (Pennisetum typhoides) milling techniques and value of the **semolinas** and *flours.* 033146
A sugar-free formula for regular and high-protein breads [Wheat flour, **soy** *flour].* 033189
Study of acceptability of fortesan nutriment (milk with **soya** *flour)* by the infantile population of Curico, Chile. 032312
Development of high protein bread. II. **Soya** *flour* utilisation. 033266
Simple, rapid quantitative determination of lysine and arginine [in **wheat** *flour* and rat tissues] by thin-layer chromatography. 032343
A sugar-free formula for regular and high-protein breads [**Wheat** *flour,* soy flour]. 033189
Correlation of dough [of **wheat** *flour]* stickiness with texturometer reading and with various quality parameters. 033202
The effect of temperature on some rheological properties of **wheat** *flour* doughs. 033273
Falling number and amylograph viscosities of **wheat** *flour* made from grain stored for several years. 033281
Flours made from edible yams (Dioscorea spp.) as a substitute for **wheat** *flour.* 033417

FLOWERING

Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of marine algae and **aquatic** *flowering* plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
The *flowering* **behaviour** of the mung beans (Phaseolus radiatus L.). 037669
Data on the *flowering* **biology** of male sterile wheat. II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. 037491
Quantitative aspects of *flowering* in the **Chinese** gooseberry(Actinidia chinensis Planch.). 037789
Flowering and **fruit** set of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
Effect of B-995 (N-dimethylamino succinamic acid) on growth, *flowering* and **mineral** accumulation of tobacco plants. 037335
Heat exchange through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for **off-season** *flowering* of chrysanthemums]. 037711
Polyploidization and chromosomal aberrations induced by mutagens in the **open** *flowering* sterile mutants of spring barley. 036706
Multiple circadian rhythms regulate **photoperiodic** *flowering* responses in Chenopodium rubrum. 037673
The disturbance of physiological gradient of *flowering* in the **photoperiodically** neutral species by means of ringing and biologically active substances [Tobacco]. 037397
Flowering in **Pisum** [peas]: the sites and possible mechanisms of the vernalization response. 037776
Autonomous and induced mechanisms of regulation of **plant** *flowering.* 036936
The role of stem zones of different tiers in the *flowering* of **plants** of the photoperiodically neutral species [Tobacco]. 037401
The ecology of *flowering* and **pollination** of Betula nana in the polar Urals. 037897
Effect of garlic bulb extract on *flowering,* **sex** ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of garlic bulb extract on *flowering,* **sex** ratio, and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Effect of garlic bulb crude extract on *flowering,* **sex** ratio and yield of squash. 038291
Effect of garlic bulb extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on *flowering* in **squash.** 037688
Effects of gibberellic acid on DNA synthesis and histology in the shoot apex of Helianthus annuus [sunflowers] during the **transition** to *flowering.* 037383
An **unusual** *flowering* and fruiting habit of grapefruit in the Khuzestan area of Iran. 037727
Anthocyanin synthesis in a **white** *flowering* mutant of Petunia hybrida by a complementation technique. 037816
Effect of cycocel on growth, *flowering* and **yield** of Vicia faba L. [Broadbeans]. 037339

FLOWERS

Fruit abscission in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and **abscissing** *flowers.* 037777
A contribution to the *floral* **anatomy** and embryology of Ochnaceae. 036325
Nutrient status of **apple** *blossoms* and their susceptibility to fire blight [Erwinia amylovora]. 038850
Vegetative-floral **balance** in coffee. III. Effect of thinning of blossom on set and bean size. 038548
The pollinating efficiency of honeybee and bumblebee visits to field **bean** *flowers* (Vicia faba L.). 040251
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to soybean blossoms [Pollination, *floral* **biology**]. 037394
Inquiries on the *flower* **biology** of the Burmosa plum and of some varieties pollinating it. 037838
A comparative study of the effects of photoperiod on *flower* **bud** development and stem elongation in three varieties of Phaseolus vulgaris, L. [Kidney beans]. 037630
Effect of defoliation, shading, and tipping of shoots on *flower* **bud** development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Programming developments in the cultural combination of **bulb** *flowers/flower* bulbs in the Southern Bulb Region. 031261
National economic importance of the cultivation of **bulb** *flowers* [Costs, returns]. 031477
Temperature development in product stacks of different size and geometry *[Flower* **bulbs].** 033350
Cardenolides of the *flowers* and **bulbs** of Ornithogalum gussonii. 036873
Flower **bulbs** for the garden. 038487
Variability of *floral* **characteristics** influences honey bee [Apis mellifera] visitation to soybean blossoms [Pollination, floral biology]. 037394
Floristic and **chemical** changes in forage plants after using manure and fertilizers. 037598
Developmental studies in Ptychosperma (Palmae). I. The inflorescence and the *flower* **cluster.** 036265
L.). B. *Flower* **color** and flower color pigmentation in the spontaneous and artificial color sports Azalea indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. 037788
On the genetics of *flower* **colours** in diploid and tetraploid genotypes of Begonia semperflorens Link et Otto. 036720
Studies on the constituents of *flowers.* V. On the **components** of flower of [Kudzu] Pueraria thunbergiana Benth. 2. Isolation of a new isoflavone glycoside. 037482
Contemporary development of the peat bogs in the Vitosha mountain [Topography and the *floristic* **composition].** 036208
Change of the *floristic* **composition** in some meadows under the influence of fertilizing. 041084
[Soil] **conservation** *blossoms* on 'flower farm' [Erosion]. 041206
Nectar secretion in **cotton** *flowers* and its relation to floral visits by honeybees [Apis mellifera]. 040188
Landscape and *flower* **culture** in the prealpine lake zone. 038234
Predictions after the show "Floralies de Gand": outlook for *flower* **culture** [in Western Europe]. 038386
United States imports more **cut** *flowers.* 031613
Import of **cut** *flowers.* 031617
How to lengthen the life of **cut** *flowers?* 033383
The effect of macronutrients and their dates of application on the **cut** *flower* and seed yield with summer asters [Callistephus chinensis]. 040941
Drying *flowers.* 033437
Insects at *flowers* of **Elecampane** (Inula helenium L.). 040021
[Soil] conservation blossoms on *'flower* **farm'** [Erosion]. 041206
Floristic **finds** in the Khusrov reserve. 035967
Interesting *floristic* **finds** in western Chukotka. 035976
The effect of tree **age** and time of day for collecting the *flowers* on the **flower** yield, content and composition of cassie (Acacia farnesiana) essential oils. 037692
The *flowers* **honey** comes from [Honey plants, varieties, nectar flow, apiculture]. 038546
Effects of indol-3yl acetic acid on *floral* **induction** and apical differentiation in Chenopodium rubrum L. 036762
Insects on *flowers* of **Inula** crithmoides L. (Compositae). 036003
Studies on the constituents of flowers. V. On the components of *flower* of **[Kudzu]** Pueraria thunbergiana Benth. 2. Isolation of a new isoflavone glycoside. 037482
Anthocyanin, flavonol copigments, and pH [hydrogen-ion concentration] responsible for **larkspur** *flower* color [Consolida ambigua; Delphinium ajacis]. 037802
Producers and business must cooperate for better **marketing** of *flowers.* 031621
Floristic **materials** from the Besaparski ridges and criticalnotes. II. 036011
Floristic **materials** [from different parts of Bulgaria] and critical notes. II. 036012
Can Nitsch's hypothesis on the *floral* **metabolism** [in Euphorbia pulcherrima] by generalised? 037786
Norwegian *flower* production is worth 284 million kroner. 031291
Floristic **notes.** I. Cistus populifolius L., a new Catalan species, in the mountains of Prades and Serra del Pradell. II. Doronicum plantagineum L., a new Catalan species, in Puig Mollo (Coll d'Alforja). 035937
Variability in coffee. II. Studies on *flower* **number** in species. 036553
Industrially organized production of cut **orchid** *flowers* with the example of Paphiopedilum. 038312
Ultrastructure of white-streaked dendrobium phalaenopsis **orchid** *flowers* infected with a rhabdovirus. 038925
Developmental studies in Ptychosperma (Palmae). II. The staminate and **pistillate** *flowers.* 036266
5000 years production of vegetables, *flowers,* and **plants** for house and garden for a value of 550 million kroner. 031295
5000 years work; producing vegetables, *flowers,* and **plants** for house and garden for a value of 550 million kroner [Agricultural administration]. 031296
7,8-methylendioxy-chinolin derivatives as secondary alkaloids in the *flowers* of **Ptelea** trifoliata. 037185
The most appropriate moisture content of [vegetable, grass, legume and *flower]* **seeds** for their long life span [Viability]. 037848
Vegetative-floral balance in coffee. III. Effect of thinning of *blossom* on **set** and bean size. 038548
The amount of *flower* **shedding** in some kharif pulses [Cowpeas, mung beans, mungo beans]. 037762
Shootingstar *flowers* [Dodecatheon meadia, culture]. 038491
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to **soybean** *blossoms* [Pollination, floral biology]. 037394
Vegetative proliferations of *floral* **spikelets** in Oryza sativa L. [Rice]. VI. Development of proliferated spikelets (propagules) by means of soil cultivation. 036621
Sugarcane *flowers* in Egypt: improvement of field crops productivity [Breeding]. 036556
First the *blossoms* and **then** the leaves [Tussilago farfara, physiology]. 037784
Flowers that have no **time** [Cistaceae, distribution]. 036044
Genetic variability in horsegram **[twin** *flower* dolichos] (Macrotyloma uniflorum syn. Dolichos biflorus). 036604
Influence of cotton genotypes on *floral* **visits** of honey bees [Apis mellifera]. 037390
Nectar secretion in cotton flowers and its relation to *floral* **visits** by honeybees [Apis mellifera]. 040188
The effect of tree age and time of day for collecting the flowers on the *flower* **yield,** content and composition of cassie (Acacia farnesiana) essential oils. 037692

FLUES

Effect of sources of nitrogen on *flue-cured* **tobacco.** 040856

FLUIDS

Normal values of **body** *fluid* volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in unanesthetized dogs. 033714
Ventilatory acclimatization and csf **[cerebrospinal** *fluid]* acid-base balance in carotid chemodenervated dogs at 3550 m. 034136
Effects of chemical pretreatments on Ludwigia alternifolia L. ovules prior to immersion in Herr's **clearing** *fluid.* 037244
Glucanases in Schizosaccharomyces, isolation and propertiesof an exo-beta-glucanase from the cell extracts and **culture** *fluid* of Schizosaccharomyces japonicus var. varsatilis. 036817
Particle sizes of *fluid* **feeds.** 033494
Workshop on *fluid* **penetration** in wood [Held at College of Environmental Science and Forestry, Syracuse, N. Y. November 12, 13, 1973]. 035902
Prostaglandins in **pyometrial** *fluid* from the cow, bitch and ferret. 033836
Influence of rumen ciliate protozoa on the concentration of free amino acids in the **rumen** *fluids.* 034088
Immunoelectrophoretic analysis (IEA) of seminal plasma and *fluids* from **seminal** vesicles and ampullae of vasa deferentia of bulls. 034588
Analyses of prostaglandins in sheep **seminal** *fluid.* 034605
Autolytic properties of some lactic acid bacteria used in cheese production. II. Experiments with *fluid* **substrates** and cheese. 032993
Fluid **therapy** [Cats]. 034890

FLUKES

Experimental testing of chemical substances for their action on **liver** *fluke* [Fasciola]. 035154
Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus **[Liver** *fluke,* cattle, sheep]. 035179
Testing of sulfene and KP-5 for fascioliasis of ruminants [Cattle, sheep, **liver** *fluke].* 035254
The influence of pesticides on the oxygen uptake by miracidia of Fasciola hepatica (Trematoda) **[Liver** *fluke].* 039530

FLUORESCENCE

Differentiation of cultivars and cultivar groups of Poa pratensis by the *fluorescence* of their **alkaline** extracts. 038150
Carrageenans in the cell walls of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with *fluorescent* **antibody** [Algae]. 037152

Analysis of temperature-jump **chlorophyll** *fluorescence* induction in plants [Algae]. 036808
Effects of aging on **chlorophyll** *fluorescence* and photosystem II electron transport in isolated chloroplasts [of spinach]. 037672
Chloroplast *fluorescence* of C4 [carbon] plants. I. Detection with infrared color film. 037206
Studies on the slow *fluorescence* **decline** isolated chloroplasts [Spinach]. 037657
Hill reaction and **delayed** *fluorescence* in mutants of Gossypium hirsutum [Cotton]. 037442
Primary reactions of photosystem II at low pH [hydrogen-ion conentration]. I. Prompt and **delayed** *fluorescence* [Spinach]. 037654
Triplet states of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and **delayed** *fluorescence* at -196 degrees [Kidney beans, peas]. 037685
Detection of a specific antigen in white blood cells of cattle with leukemia by the **direct** *fluorescent* antibody procedure. 035280
The use of *fluorescent* **DNA-binding** agent for detecting and separating yeast [Saccharomyces cerevisiae] mitochondrial DNA. 037112
Fluorescence **induction** of normal and mutant maize seedlings. 037441
Fluorescence **measurements** and pH [hydrogen-ion concentration] sensitivity as predictors of color removal in process [Sugarcane sugar]. 033172
Fluorescent **method** for quantitative determination of flavonols and indols in Pisum sativum [pea] chloroplasts. 037703
Fluorescence **microscopy** in relation to wheat mosaic streak virus disease. 038910
Monoamine *fluorescence* in the median eminence of the Japanese quail, Coturnix coturnix japonica, following medial basal hypothalamic deafferentation. 033859
Investigations on the soil phase of Phytophthora cactorum (Leb. et Cohn) Schroet. with *fluorescent* **optical** direct observation. 038841
A *fluorescent* **probe** study of the lipid mobility of membranes containing sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
Prospects of the use of the *fluorescent* **spectroscopy** method to evaluate the potential productivity of wheat varieties. 037574
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low **temperature** *fluorescence* spectra of chloroplasts and fragments [Maize]. 037405

FLUORIDES

Chronic *fluoride* poisoning in sheep. 035424
Biological studies on environmental pollution by *fluoride*. III. **Effect** of hydrogen fluoride gas on metabolism of Gladiolus, Iris and Crocus. 039013
Response of plant fruiting to **hydrogen** *fluoride* fumigation [Pollution injuries]. 038958
Biological studies on environmental pollution by fluoride. III. Effect of **hydrogen** *fluoride* gas on metabolism of Gladiolus, Iris and Crocus. 039013
Effect of *fluoride* on **mineral** metabolism in man. 032272

FLUORINE

Investigations on the influence of *fluorine* **containg** air pollutants upon the susceptibility of spruce [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and birch [Betula verrucosa] leaves to detect **"hidden"** *fluorine* injury. 038973

FLUOROMETRY

A *fluorometric* **technique** for measuring sinking rates of freshwater phytoplankton [Algae]. 037085
Isolation of Gonyaulax tamarensis toxins from soft shell clams (Mya arenaria) and a **thin-layer** *chromatographic-fluorometric* method for their detection. 032068

FLUX

Abisko II: A computer simulation model of **carbon** *flux* in tundra ecosystems. 036187
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, **proton** *flux* and phosphorylation in the photosynthetic membrane [Spinach]. 037655
Technological *flux* in fattening lambs and sheep. 034485
The influence of **tidal** *flux* on microbial biomass in salt marsh creeks [Distribution and ecology of estuarine plants andanimals]. 036234

FOAM

Rigid **polyurethane** *foams* from diethanolamides of carboxylated [linseed and soybean] oils and fatty acids. 033258
Foam **sprays** of plant growth regulating chemicals on rose shoot development at cutback. 037733
Conidia in the *foam* of **two** English streams [Aquatic fungi]. 036153

FODDER

How to raise the nutritive value of the *fodder* **beet** [Mineral fertilizers]. 041004
Using sugarcane as dairy **cattle** *fodder*. 034453
The optimum repartition of *fodder* **crops** on plots of land depending of the productive potential. 038147
Experience of the State Farm I.A.S. Tulucesti-Galati in **elevating** *fodder* and seed alfalfa. 038144
Preparing and using maize grain silage with high humidity rate as *fodder* for **fattening** cattle. 033573
Main source of **green** *fodders* [Forage plant culture, pasturemanagement]. 038060
Seasonal notes for *fodder* **growers.** 038021
Experiments for **producing** *fodder* from vegetable waste in Cuba. 033509
Biological test of *fodder* **quality** after pasture fertilization experiments. 034506
Selenium levels in *fodders* and its **relationship** with Degnala disease [Cattle, buffaloes, toxicity]. 035417
Fodder **requirements** this winter. 033497
Some aspects of biochemistry in **silage** *fodder*. 033574
Experiments to improve the exploitation of the energy potential of the *fodder* by **speeding** its passage through the intestine. 034335
Influence of soil moisture regimes and soil fertility levels on water use by **summer** *fodder* maize. 040696
Furfurol influence on the energy metabolism of *fodder* **yeast** [Candida tropicalis]. 037220
Interrelationships of *fodder* **yield** and its components in oats (Avena sativa L.) [India]. 036498

FOENICULUM

Histopathology of fennel *[Foeniculum* **vulgare**] infected by Ramularia foeniculi. 038653

FOILS

Effect of polyethylene and **aluminium** *foil* mulches at three plant populations on yields of glass house tomatoes. 038508

FOLDING

Veternary aspects of first experience gained with *folding* **fattening** cattle in forests. 034928

FOLIAGE

Nutritional status of the grapevine (Vitis vinifera L., variety Lambrusco Salamino) expressed by means of *foliar* **analysis** of macro- and microelements. 040867
Nutrition research: *foliar* **analysis** of woody ornamentals. 040881
Rational fertilization in large vineyards on the basis of *foliar* **analysis.** 041014
Biological changes in the rhizosphere of wheat after *foliar* **application** of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. 037435
The effect of *foliar* **application** on the content of phosphorus forms in grapevine. 037855
Effect of *foliar* **application** of chemicals on the survival of plant pathogens in the rhizosphere of two crop plants [Sorghum, Crotalaria juncea]. 038683
Studies on the compatibility of *foliar* **application** of urea with weedicide, fungicide and insecticide in upland rice. 040909
Translocation of *foliar* **applied** radioactive [fungicide] nickel in wheat plants. 038718
Foliage **arthropod** communities of crop and fallow fields. 036240
Population trend and time of activity of certain spiders (Araneida), collected from **clover** *foliage* in Egypt. 039262
The red algae of the far eastern seas of the USSR; *foliose* **cryptonemiacean** algae (Cryptonemiales, Rhodophyta) [New taxa]. 035986
Afforestation of bogs after industrial exploitation of peat [Pinus, Alnus, *foliar* **diagnosis**]. 035684
Determination of levels of nitrogen nutrition for peaches at different growth periods by the method of *foliar* **diagnosis.** 037623
Foliar **diagnosis** and application of fertilizers to sugarbeets. 040862
Ideal number of leaves for *foliar* **diagnosis** of sugarcane (ratoons). 040893
Foliar **diagnosis** and potassium nutrition in the cotton plant. 040902
Evolution of mineral nutrition of Hevea in the Ivory Coast in function of **vegetative** cycle according to *foliar* **diagnosis.** 040957
Fòliar **diagnosis** and potassium nutrition of cotton. 040959
Appraisal of yield loss in wheat due to *foliage* **diseases** caused by Alternaria triticina and Helminthosporium sativum. 038674
Foliar **element** levels of Chrysanthemum [morifolium] and tomato grown in insolubilized poly(ethylene oxide) amended media. 037734
Critical level of airborne sea salt **inducing** *foliar* injury to bean. 038992
Effect of sodium **metasilicate** *(foliar* application) on juice quality, fiber and yield of sugar in Co. 419 [variety]. 040984
Influence of *foliar* **nutrient** sprays on the population of Fusarium oxysporum f. melonis and other soil microflora in the rhizosphere of muskmelon. 038693
Cultivation and fertilizer effects on the growth and *foliage* **nutrient** concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Environmental influences on cuticle development and **resultant** *foliar* penetration. 036836

FOLIC

Effect of *folic* **acid** on serum and liver cholesterol in rats fed casein at two levels. 032337

FOLIOSE *see* FOLIAGE

FOLLICLES

Appearance and disappearance of multiply **ciliated** *follicular* cells during development of the dog's thyroid gland. 033732
Delayed allatectomy and feeding in Phormia regina (Meig.): effects on *follicular* **development.** 039849
Continuous infusion of follicle stimulating hormone for *follicular* **growth** in embryo transfer heifers. 034722
Release of FSH *[follicle-stimulating* **hormone]** from the pituitary of the hen following an injection of progesterone. 034095
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, *follicle-stimulating* **hormone**] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, *follicle-stimulating* **hormone**]. 034691
Existence of a *follicle-stimulating* **hormone** inhibiting factor 'inhibin' in bull seminal plasma. 034763
Follicular **population** and body weight in relation to genetic differences in ovarian response to gonadotropin in rats. 034662
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone **releasing** *hormone/follicle* stimulating hormone releasing hormone]. 033886
Continuous infusion of *follicle* **stimulating** hormone for follicular growth in embryo transfer heifers. 034722

FOMES

Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale *[Fomes* **annosus,** biological control]. 038814
An experiment to **control** *Fomes* annosus in second rotation pine [Pinus sylvestris] crops. 038617
Microstructural and microchemical studies of wood decay of Casuarina equisetifolia by *Fomes* **durissimus** [Fungi]. 035887

FOOD

Market outlook for [Lactobacillus] **acidophilus** *food* products. 031568
Reactions of nitrous acid and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents *[Food* **additives,** meats]. 031982
Food **additives** and hyperactivity; a comparison of food additives in the diets of normal and hyperactive boys. 032204
Sweeteners [as *food* **additives]-a** study in regulatory lore. 032023
The determination of saccharin by gas chromatography after methylation with Diazomethane *[Food* **addtives].** 032924
Developmental requirements of the food industry and development of the **agricultural** *food* system [Economic aspects]. 031152
The emerging **agricultural** *food* system [Distribution, marketing]. 031533
Seminars on efficient and safe use of pesticides, and other pesticide work of the FAO *[Food* and **Agricultural** Organization] Industry Cooperative Programme. 039583
National Society of Agriculture and the depository library of the *Food* and **Agriculture** Organization. 031107
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO *[Food* and **Agriculture** Organization/World Health Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in public health and agriculture. 039592
Response to potassium fertilization in the FAO *[Food* and **Agriculture** Organization] fertilizer programme in Africa (1961-1972). 040970
Anodic stripping voltammetry—a new, simple answer for lead residue **analysis** [in *food].* 032016
Industrial processing of *edible* **animal** by-products. 033082
Food of **animal** origin: increasing the supply [Animal husbandry, research projects, Italy]. 033637
The enviromental impact of antibacterial drugs in *food* **animals.** 035185
Cereal proteins: chemistry and *food* **applications.** 033214
Clydesdale **assails** *food* faddists, calls for increased education push; targeting on productivity. 032560
Are **baby** *foods* good enough for babies? 032208
Some metabolic and biochemical characteristics of representative microbial isolates from vacuum-packaged beef *[Food* **bacteria].** 032076
Baked *foods* fortified with deglanded cottonseed flour protein. 032263
Reserves of the *food* **base** [Apiculture]. 040276
Food **behavior** and related factors of Puerto Rican-American **teenagers.** 032378
Recent trends in vending *[Food* and **beverage** vending machines]. 031676
Food **borne** illness from Clostridium perfringens. 031984
Heat resistance of ileal loop reactive Bacillus cereus strains isolated from commercially **canned** *food.* 031949
Influence of the z value of Clostridium botulinum on the accuracy of **[canned** *food]* process calculations. 032078
Isolation and fractionation of water-soluble polysaccharides from bamboo [Phyllostachys edulis] shoot *[Food* **chemistry].** 032710
The structures of water-soluble polysaccharides isolated from bamboo [Phyllostachys edulis] shoot *[Food* **chemistry].** 032712

High pressure liquid chromatography in *food* **chemistry.** 032921
Occurrence and properties of phospholipase D—a review *[Food* **chemistry].** 032923
Gas chromatographic-mass spectrometric identification of phenylurea herbicides after N-methylation *[food* **chemistry].** 039138
Food & **Chicanos** at the farm camps. 032678
Fungi in *foods.* VII. A **comparison** of the surface, pour plate, and most probable number methods for enumeration of yeasts and molds. 032094
Proposals **concerning** *food* additives [Preservatives]. 032106
A survey of the vitamin content of *foods* as they are **consumed** by selected groups of the Australian population. 032244
Self-generated safety assurance dictated by S. 641 [the Staff Working Draft of the **Consumer** *Food* Act of 1975]. 032022
Food **consumption** surveys: a data source for contamination-monitoring programmes. 032230
Nutritional review *[Food* **consumption].** 032394
Feeding studies with broilers fed wheat rich in crude protein. 1. Experimental procedure, weight gains, *food* **consumption** and food efficiency. 034309
Dietetic habits and *food* **consumptions** by aged people in Piedmont; individual analysis. 032390
Current research on mycotoxins: a status report *[Food* **contaminants].** 032037
Verification of some combined tests on media for enterobacteria *[Food* **contaminating** bacteria]. 032144
Toxigenic power of Aspergillus flavus producing aflatoxin *[Food* **contamination].** 031941
Growth potential of clostridium botulinum in fresh mushrooms packaged in semipermeable plastic film *[Food* **contamination].** 031948
Microbiological aspects of poultry processing *[Food* **contamination].** 032057
Recovery of Escherichia coli coliforms from macerated shellfish *[Food* **contamination].** 032075
The incidence of Clostridium botulinum in farmed trout raised in Great Britain *[Food* **contamination].** 032077
Some observations on a perigo-type inhibition of Clostridium botulinum in a simplified medium *[Food* **contamination].** 032097
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride *[Food* **contamination].** 032102
Microbiological examination of smears as an important part of prevention in food-processing plants *[Food* **contamination].** 032142
Hygienic assessment of agents of intoxications found in *foods* **[Contamination].** 032152
Residue problems in weed control *[Food* **contamination].** 039194
Actions in the private economic sector of agriculture, farming and *food* to **control** inflation. 031836
Measuring & **controlling** *food* quality. 032706
Humoral factors **controlling** *food* intake in dogs. 033709
Your guide to frozen **convenience** *foods;* 1975 frozen foods fact file, part 2. 032702
Coordinating *food* production with human needs. 031842
New sciences spring up to **create** *food* "miracles" [Processing, consumer preferences]. 032919
Weather variability: important factor in the *food* **crisis.** 031097
From the protein crisis to a *food* **crisis.** New dimensions ofthe world food problem. 031933
The appearance of potassium deficiency in *cotton/food* **crop** rotation on ferralitic soil in the Central African Republic. 038971
Recent works carried out by the Institute of Tropical Agronomic Research and *Food* **Crops** in the area of potassium fertilization of tropical soils. 040967
A flourish of *food* and **dairy** packaging ideas—in time of crisis. 032877
Bacteriological quality of selected **delicatessen** *foods.* 032092
Consumer response to trends in *food* **design.** 031649
Effects of Codex Alimentarius on *food* **design** [Food standards, food laws]. 032038
Food **design** and consumer needs. 032040
Food **design** and consumer needs (toward the development of international super-foods). 032041
Food **design** and consumer needs. 032042
Food **design** and consumer needs (Latin America and the Caribbean). 032043
Iron nutriture *[Foods,* **diet].** 032291
Infectious **disease** from *food.* 032030
Freeze drying of fishery products. V. Storage characteristics of ready-to-serve freeze **dried** *foods.* 032796
Ethanol as a *'food'* for **Drosophila** melanogaster: influence of the ebony gene. 039738
FDA *[Food* and **Drug** Administration] reports on heavy metals in foods, need for reductions in certain areas. 032019
FDA's *[Food* and **Drug** Administration] plan for quality assurance in the food industry. 032020
Safety of light-activited chemical substances in *foods,* **drugs,** and cosmetics. 031993
Agricultural and *food* **economic** summit conference [Food prices, paper]. 031627
Agriculture & *food* **economic** summit; conference paper [Food prices]. 031628
Policies and practices in the private non-agriculture and *non-food* **economic** sector to control inflation. 031641
Note on some recent works on the *agro-food* **economy.** 031144
Agricultural production and the *food* **economy** of Italy in the outlay of the family. 031775
Feeding studies with broilers fed wheat rich in crude protein. 1. Experimental procedure, weight gains, food consumption and *food* **efficiency.** 034309
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as well as in *foods* and **effluents.** 035214
Emerging *food* patterns: coping with reality [Nutritional labeling]. 032124
Thin layer chromatography identification of calcium- and sodium stearoyllactylate in addition to other **emulsifiers** in *food.* 032861
Application of computer codes to phase-change problems in *food* **engineering.** 032738
General meeting of the Swiss Association of Agronomic and *Food* **Engineers** on May 30 and 31, at Morat. 040341
Food **enrichment** with iron to prevent its deficiency (Literature survey). 032486
Standardisation of the sensoric **evaluation** of *foods.* 031987
Instron recorder pen response *[Food* **evaluation].** 032871
Taste identification experiments for choosing persons for organoleptical **examinations** [of *food].* 032029
Grass—the *food* **factory** that also fights drought. 038184
Food **facts** versus fads. 032447
Farm *food* [retail] marketing costs. 031562
USDA [grade] standards for *food* and **farm** products. 031942
Summary of main consequences of inflation on agriculture, *food* and **farming.** 031643
Fast *food* concepts invade uncommon markets. 032546
Fast *food* gets an "A" in school lunch. 032687
Food, **feed,** and energy [Costs]. 031426
Metabolism of zearalenone by Fusarium roseum graminearum *[Food,* **feed,** contamination]. 032069
Use of water slurries in aflatoxin analysis *[Food,* **feed,** contamination]. 032071
Biomass producton [for *food* and **feed]** on various substrates using microbiological processes. 037083
Comparative productivity of grain legumes [for *food* and **feed,** Mordvinian ASSR]. 038190
Algae from mass cultures as potential source of proteins [for *food* and **feed].** 038552
Impacts of agricultural trade on *food* and **fiber** section of the U.s. economy. 032528
The role of sulfur compounds in *food* **flavor.** I. Thiazoles. 032780
Volatile heterocyclic compounds in the reaction of glyoxal with glycine *[Food* **flavor].** 032855
The history and use of nitrate and nitrite in the curing of meat. *[Food* **flavoring].** 033078
Some 4,5-dialkylthiazoles with potent bell pepper like aromas [Possible use as *food* **flavorings].** 032854
Hygienic studies on microbial **flora** of *foods.* 031972
A study on water vapour trapping during **freeze-drying** *[Food].* 032735
Industrial **freeze-drying** [of *food].* 032839
Supervision of *tinned-foods* **freezing;** experience in Rostockregion [Meat and sauce meals]. 033098
Your guide to frozen convenience foods; 1975 **frozen** *foods* fact file, part 2. 032702
Investigations on heat transfer of model substances with regard to thawing and heating of **frozen** *foods.* 032748
Thawing **frozen** *foods.* 032787
Some economic aspects of the present and **future** *food* situation in the Western Hemisphere. 031846
Modifications and amendments to the standards for canned fruits in the **German** *Food* Codex. 032047
Standards for canned fruit in the **German** *Food* Codex. 032050
The changing face of **global** *food* scarcity. 032556
Tests for judgement of aptitude to be organoleptical examiner *[Food* **grading].** 032025
Post harvest losses in *food* **grains.** 031435
Validity of using four *food* **groups** as a simple method of evaluating diets. 032328
Biological testing of *food* **grown** in the Transkei [Rats]. 032010
Food **habits** and nutrient intakes of Filipino women in Los Angeles. 032353
Intellectual convictions of **"health"** *food* consumers. 032379
Home *food* preparation undergoes big changes. 032509
Homemakers' *food* and nutrition knowledge - implications for nutrition education. 032402
Homemakers' *food* and nutrition knowledge, practices, and opinions. 032517
Energy and resource conservation needed report of the American Society of **Hospital** *Food* ServiceAdministrators' eighth annual meeting. 032649
Insects as source of *food* for **human:** consideration of its development. 032192
Agriculture, an **important** *food* industry in Bjugn. 031893
EEC [European Economic Community] *food* **imports** from the Third World and international responsibility in agricultural policy. 031577
Plant production: genetic methods to **improve** *food* and feed production [Research projects, Italy]. 036558
Improving *food* values of vegetables [through breeding]. 036535
Plant protein materials **incorporated** in *foods.* 032887
A suggestion for **increasing** *food* production by developing land resources. 031236
Improvement of producer's price-system in the *food* **industries.** 031575
Developmental requirements of the *food* **industry** and development of the agricultural food system [Economic aspects]. 031152
Experiences and problems of coordination between agriculture, the *food* **industry** and distribution [Dairy industry, Europe]. 031530
Views of the American Meat Institute on inflation in the agriculture and *food* **industry.** 031645
On development and prospects of the *food* **industry.** 031926
FDA's [Food and Drug Administration] plan for quality assurance in the *food* **industry.** 032020
Some considerations regarding the standardization of quality in the *food* **industry.** 032128
Reflections on the time horizon of planning in the *food* **industry.** 032785
Role of *food* **industry** research in the tasks of energy economics. 032786
Delphi exercises in forecasting technology for the *food* **industry** in the United Kingdom. 032811
Use of ionized rays in agriculture and the *food* **industry.** 032844
Production of stabilised semi-dry bacterial cultures (IM cultures) for the *food* **industry.** 032883
Using sugar syrup in the *food* **industry.** 032900
Possibilities and problems of processing potatoes for the *food* **industry.** 033220
Soybean as a raw material in the *food* **industry.** 033293
Modern agricultural machinery in the service of *food* **industry.** 040469
Leaf protein: scant research despite economic potential [as *food* **ingredient].** 032814
Thermal analysis for rapid, precise testing of *food* **ingredients,** packaging materials. 032815
Dung as an **insect** *food* source: dung beetles as competitors of other coprophagous fauna and as targets for predators. 039819
Nutritional status of Head Start and nursery school children. I. *Food* **intake** and anthropometric measurements. 032356
Effect of electrode implantation and electrical stimulation of hypothalamus on *food* **intake** in cats. 033718
The effect of lesions of the dorsomedial thalamic nucleus on alimentary conditioned reflexes and *food* **intake** in dogs. 033723
Experiments on the influence of the frequency of feeding on rumen fermentation, *food* **intake** milk yield. 034334
Effects of simultaneous reductions of *food* **intake** and dietary protein concentration on the growth and carcass quality of bacon pigs. 034401
The effect of a reduction in *food* **intake** during late pregnancy on nitrogen metabolism in ewes. 034402
Food design and consumer needs (toward the development of **international** *super-foods).* 032041
A million gallons of water for a single acre of *food* **[Irrigation].** 041460
Humectant water sorption **isotherms** [for use in *foods].* 032812
Effects of Codex Alimentarius on food design [Food standards, *food* **laws].** 032038
Preservation of *food* **liquids** under inert gases. 032907
Training **low-acid** *food* processors. 032901
Psoralens in *foods* **[Man,** toxicity, melanogenesis]. 032052
A course description: FS [Food science]-201 **Man's** *Food,* University of Florida. 031869
Overcoming the bird [pests] problem [in *food* **manufacturing].** 032014
Presence and distribution of polychlorinated biphenyls (PCB) in arctic and subarctic **marine** *food* chains. 039576
Relative changes in prices received by farmers and hourly earnings of employees of *food* **marketing** firms. 031625
Heat transfer coefficients in plate freezing: the effect of packaging **materials** *[Foods].* 032745
Preparation and handling of meat and **meat** *food* products [Inspection standards and regulations]. 032064
Microbiological criteria for *food* in **military** and Federal specifications. 032095
Export turn-over of *foods* in 1974, in the **mirror** of world market situation. 031574
Rhodocybe truncata (Agaricales) new to Norway *[Edible* **mushroom].** 036087
Toxicity of the cardiotoxic protein, flammutoxin, isolted from the *edible* **mushroom** Flammulina velutipes. 037870
A new look at *[edible]* **mushrooms** [composition and food value]. 032398
Considerations on the program of integrated rural development and the **national** *food* and nutrition plan [Colombia]. 031913
Betalaines as **natural** *food* colorants. 032809
FDA [Food and Drug Administration] reports on heavy metals in *foods,* **need** for reductions in certain areas. 032019
Pellets may be answer to *food* **needs.** 032170
Nutrition, *food* **needs** and technologic priorities: the WorldFood Conference. 032548
Feed regulations of the **new** *food* law. 031820
Phosphates for **new** *food* processing techniques. 032806
New *foods* for poultry. 034386
Residues of organochlorine insecticides and polychlorinated biphenyls in some **Norwegian** *foods.* 032123
The influence of international financial problems on *food* and **nutrition.** 031847
Forecast of scientific developments in *food* and **nutrition.** 032283

Contributions of microorganisms to *foods* and **nutrition.** 032401
Food and **nutrition** minicourse. 032604
Interchangeability of *foods* in their **nutritional** and alimentary aspects and the necessity of new consumption directions. 032173
Ice cream is a low-fat, highly **nutritious** *food.* 032175
ARA vends **nutritious** *foods* and beverages in 2 N.J. High schools. 032559
Do carbonylamine browning reactions [in *food]* **occur** in vivo? [Tests with rats and human plasma]. 032340
Taste substances in *foods.* V. **Organic** acids in vegetables [Asparagus, Aralia elata, Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409
Criteria and procedures for implicating Clostridium perfringens in *food-borne* **outbreaks.** 031978
Creating and updating *[food]* **package** communication. 031592
Larger role for plastics in *food* **packaging** indicated by technical, economic changes. 032669
Coping with the super super market *[Food* **packaging].** 032810
Larger role for plastics in *food* **packaging** indicated by technical, economic changes. 032813
The **people**—*food* equation. 031880
The **people**—*food* [supply] race, and how to win it. 031932
Microbiological examination of smears as an important part of prevention in *food-processing* **plants** [Food contamination]. 032142
Preliminary observations on the survival of Salmonella in curry, sambar, coriander and red-chilly powders *[Food* **poisoning].** 032087
Survival of Salmonella eastbourne and Salmonella typhimurium in chocolate *[Food* **poisoning].** 032089
Enumeration, laboratory identification, and serotypic analyses of Vibrio parahaemolyticus *[Food* **poisoning].** 032110
Occurrence and biology of Vibrio parahaemolyticus *[Food* **poisoning,** Japan]. 032115
Toxicity of Vibrio parahaemolyticus *[Food* **poisoning].** 032116
The new **politics** of *food.* 031809
Food and **population**—a critical appraisal. 031838
Hygienic investigation of a proteolytic preparation obtained from Actinomycetes [rumosus tested as **potential** *food* additive]. 032153
Menus for toddler day care: *food* **preference** and spoon use. 032511
Food **preference** and site of damage to preferred products by ria hyperborea]. 039433
The time dependence of *food* **preferences.** 032239
Metrication and the consumer *[Food* **preparation].** 032403
Heat transfer with regard to thawing and heating of frozen **prepared** *foods.* 032747
Food **price** movements and shifts in purchases. 031702
Food **price** movements and shifts. 032703
Agricultural and food economic summit conference *[Food* **prices,** paper]. 031627
Agriculture & food economic summit; conference paper *[Food* **prices].** 031628
Combating inflation *[Food* **prices].** 031631
Inflation-causes, consequences and controls *[Food* **prices].** 031635
Some thoughts on inflation *[Food* **prices].** 031642
Aspects of the *food* **problem.** 031871
The *food* **problem** of the future. 032534
Weighing the risks and responsibilities of a HACCP [Hazard Analysis Critical Control Point] inspection *[Food* **processing].** 032024
Food **processing** and nutrition - priorities and needed outputs. 032671
A fresh look at aseptic **processing** [of *foods].* 032802
Increased efficiency in the *food* **processing** industry. 032899
Speciality wrapping and packaging papers. II. Proven ability to protect the *[food]* **product.** 032776
Food **production** and the energy crisis. 031301
Agriculture and energy balance *[Food* **production** and consumption]. 031841
Food **production:** problems and opportunities. 031875
Population trends and *food* **production** potential. 031877
Experimental inquiry into the action of some physical and chemical factors on the survival and propagation of vibrio parahaemolyticus in *food* **products.** 032149
Gel-chromatographic method of selective extraction of synthetic dyes from *food* **products.** 032151
Spray freezing and some properties of frozen *[food]* **products.** 032756
Thermal conductivity measurements of *food* **products** by the heated thermocouple method. 032760
Thermal parameters of agricultural materials and *food* **products.** 032761
On the local isotherm concept and modes of moisture binding in *food* **products.** 032851
Quantitative determination of saccharin [as a sweetener] in *food* **products** by ultraviolet spectrophotometry. 032853
Frozen *[food]* **products.** III. Factors influencing the quality of frozen products. 032903
Use of sunflower seed in *food* **products.** 033217
Single cell **protein**—*food* or feed. 032333
Yams as a source of *edible* **protein.** 032464
Chemistry of oats: **protein** *foods* and other industrial products. 033215
Effect of **protein** *food* on the multiplication of protozoon Nosema apis Z. [Bee diseases]. 040310
The grain goes to the radiologist [Insect pest and *food* **quality** control]. 039412
Mercury and mink. I. The use of mercury contaminated fish as a *food* for **ranch** mink [Toxicity]. 035399
Food for all: towards a **realistic** procurement policy [India]. 031833
Applications for roselle [Hibiscus sabdariffa] as a [natural] **red** *food* colorant. 032808
Which first? More thermophysical properties data or better methods to use accumulated data? *[Food* **refrigeration].** 032764
Nutrition and **regional** *foods* cookery. 032605
Evaluating sea mussels in the consumer area on the basis of *food* **regulations** [Seafood]. 031999
New legal **regulations** *[Food].* 032048
Current concepts in the nutrient design of *foods* **[Regulatory** policies and procedures]. 032036
Food **relations** of weevils of the subfamily Apioninae (coleoptera, Curculionidae) with trees and bushes. 039214
Pesticide residues in *food.* **Report** of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. 031991
Wisconsin city **requires** *food* managers course. 032597
Observations on the oral administration and toxicity of vinyl chloride in rats [Nutrition and *food* **research].** 032012
Interactions of mycotoxins [produced by toxicogenic fungi] with substrate molecules and macromolecules *[Food* **research].** 032112
Utilizing the independent *[food]* **research** organization to extend uses for a cost-cutting ingredient. 032816
Structure and utilization of starch *[Food* **research].** 032847
Estimation of dimethoate [pesticide **residue**] in *foods.* 032083
Appearance of potash deficiency in the course of **rotations** *cotton/food* crops on a ferrallitic soil in the Central African Republic. 040953
Intestinal parasites and commensal protozoa in foodhandlers from the central area of the city of Concepcion, Chile *[Food* **sanitation].** 031970
Studies on the administration of *food* **sanitation,** especially for the theoretical development of probability process [Inspection]. 031973
Studies on the administration of *food* **sanitation:** an attempt to the establishment of a methodology for quantitative administrative hygiene [Inspection]. 031974
A course description: FS *[Food* **science]-201** Man's Food, University of Florida. 031869
A challenge to make science education interesting and relevant: a case study in *food* **science** and nutrition for nonmajors. 032374
Applicability of ultracentrifugal technics in *food* **science.** 032783
Distribution and future of the *food* **sector** [Prices, Marketing]. 031529
Cleaning, a measure preparatory to disinfection in the *food* **sector.** 032799
World fertilizer supply and *food* **security.** 031824
Standardization and certification in *food* **service** sanitation. 032126
The *food* **service** industry training- certification program [Regulation]. 032127
Identifying foodborne disease hazards in *food* **service** establishments. 032667
The effect of teacher behaviors and *food* **serving** arrangements on young children's eating in a day care center. 032203
A hungry world: the challenge to agriculture *[Food* **situation].** 031870
Some **snack** *food* of high nutritional value and low cost. 032309
Nonagricultural **sources** of *food.* 032537
Selenium content of **soybean** *foods.* 032342
Studies on Tempeh [fermented **soybean** *food].* I. Processing and nutritional evaluation of Tempeh from a mixture of soybean and groundnut. 033270
Some conduct and performance aspects of *food* **specials** retailing: a Columbus market case study. 031726
Is the consumer an over-protected **species?** *[Food].* 032125
Food **spending** patterns of Southern black households. 032221
Hydroperoxide destroyers and how they work *[Food* **stabilizers].** 032779
Effects of Codex Alimentarius on food design *[Food* **standards,** food laws]. 032038
Nutritional value of **starchy** *food* with addition of soybeans [Rats]. 032453
Influence of **sugar** *food* on the quality of winter honeybees. 040205
Inflation: causes, impacts on agriculture, farming and *food,* **suggested** policies. 031634
Supplementary *foods* for preschool children. 032418
Peanut proteins as *food* **supplements.** 032383
Food **supply** is today, one of the vital problems of the Italian society [Agricultural products, consumption, distribution, statistics]. 031531
Hunger does not wait *[Food* **supply].** 031821
Fisheries research in India: present and future *[Food* **supply].** 031832
Our *food* **supply**—the passing of the golden age. 031844
Impressions from the World Food Conference *[Food* **supply].** 031867
New *[food]* **sweetener's** big potential [Fructose glucose syrup]. 032805
Food **teaches:** the recipe as lesson plan. 032589
The world food problem: a "course" of action for the future [on nutrition and *food* **technology].** 032376
Control of nutrient supply in yeast propagation *[Food* **technology].** 032729
A useful equation for calculating heat and mass transfer processes with varying surface temperature *[Food* **technology].** 032736
Research on heat-mass transfer in processes occurring at phase transformation under vacuum *[Food* **technology].** 032754
Theoretical model of the repulsion of a particle by a freezing front in movement and experimental study *[Food* **technology].** 032759
Training as a portion of the transfer of *[food]* **technology.** 032837
Utilization of materials science to achieve a better understanding of the mechanics of *food* **texture** evaluation. 032872
Tomorrow's *foods* today. 032673
Liver microsomal system and mycotoxin metabolism *[Food* **toxicity].** 032113
Role of cooling chain in *food* **trade.** 031626
Palletization/unitization [Loading patterns and their relationship to refrigeration in *food* **transit].** 031668
Affluent Saudis increase imports of some **U.S.** *Foods.* 031599
About some treatments of palm oil for *edible* **uses.** 032909
Need for bringing legislation up to date for greater diversification and better **utilization** of *foods.* 031778
A new look at [edible] mushrooms [composition and *food* **value].** 032398
Citric acid—a **versatile** *food* additive. 032803
College students recruited for war on *food* **waste.** 032574
A checklist for disposing of *food* **waste** woes. 032650
Food and **water** contamination with heavy metals. 032039
Impact of *food* and **water** contamination on gestation and infant growth. 032044
The future of the cold chain system from the viewpoint of supply-demand relations of **world** *food.* 031559
Some broiler price declines noted in **world** *food* survey. 031611
The **world** *food* crisis—the Watergate of animal agriculture [Cattle production, meat consumption]. 031678
The **world** *food* problem and the contribution that the modern agroindustrial enterprise can make [Argentina]. 031785
The **world** *food* crisis: projections, models, and paradigms. 031788
The **world** *food* problem and meat consumption in industrialized countries. 031792
Eighteenth session, Rome, 2-27 November 1975. **World** *Food* Programme: financial report and statements 1974, III. 031800
Do **world** *food* needs demand a reconsideration of policies on blending? 031816
Impressions from the **World** *Food* Conference [Food supply]. 031867
World *food* supplies and America's resources: a review. 031868
Con: a **world** *food* reserve system. 031872
Current facts, future needs: the **world** *food* situation as seen by FAO. 031873
Expanding international agricultural research and development to meet the **world** *food* crisis. 031874
Land-grant college of agriculture's role in meeting the **world** *food* crisis. 031876
Priorities in agricultural economics as a result of the **world** *food* challenge. 031878
Pro: a **world** *food* reserve system. 031879
The two-year agricultural junior college in response to the **world** *food* situation. 031883
The university agricultural schools in response to the **world** *food* situation. 031884
The **world** *food* situation. 031885
World *food* situation: perspectives for students in agriculture. 031886
Man and his *food* [**World** food supply]. 031898
From the protein crisis to a food crisis. New dimensions ofthe **world** *food* problem. 031933
Limits of knowledge, shortcomings in scientific journalism **[World** *food* supply]. 031934
National foodgrain stock policies in developing countries in the context of **world** *food* security. 031935
Cottonseed [protein]: a technological breakthrough in the **world** *food* crisis. 032375
The **world** *food* problem: a "course" of action for the future [on nutrition and food technology]. 032376
Assessment of the **world** *food* situation - present and future; summary and main findings. 032532
Government policy and the **world** *food* supply. 032536
The status of **world** *food* trade. 032538
The U.S. Role in the **world** *food* supply. 032539
World *food* supplies and America's resources: a review. 032547
The **world** *food* prospect. 032555
Animal production and the **world** *food* situation. 033667
The veterinarian and the **world** *food* supply. 034883
Fertilizer: can its appropriate use solve the **world** *food* crisis? 041001
Flours made from *edible* **yams** (Dioscorea spp.) as a substitute for wheat flour. 033417

FOODBORNE

Identifying *foodborne* disease hazards in food service establishments. 032667

FOODGRAINS

National *foodgrain* stock policies in developing countries in the context of world food security. 031935

Some useful tips on fumigation of *foodgrains* [**Storage** pests, control]. 039435

FOODSTUFFS

Conditions for production of staphylococcic enterotoxin in *foodstuffs* [**Contamination**]. 032138

On the thermophysical parameters of **frozen** *foodstuffs*. 032751

Rapid wet-ashing of biogenous fats, oils, waxes and *foodstuffs* of **high** lipid content using hydrogen peroxide under high temperature and pressure. 032820

Heat transfer and freezing capacity of *foodstuffs* in **household** freezers. 032744

Factors influencing availability of **minerals** *[Foodstuffs]*. 032279

A data bank for physical **properties** of *foodstuffs*. 032734

Thermal **properties** of *foodstuffs*. 032762

Thermal **properties** of *foodstuffs*. 032763

Veterinary service relative to ensuring hygienic **quality** of *foodstuffs*. 034952

FOOT

Screening of systemic and non-systemic fungicides against Fusarium oxysporum **causing** *foot* and root rot of wheat. 038714

Histological aspects of the effects of vinblastine on the morphogenesis of the *foot* of the **chick** embryo. 034052

On the mechanism of **chronic** *foot-and-mouth* infection of cell cultures with specific resistance to the virus. 035207

Survival of *foot-and-mouth* **disease** virus in milk and milk products. 031976

Foot-and-mouth **disease** [Cattle]. 034971

Basic principles of specific prevention of *foot-and-mouth* **disease** in the USSR. 035017

Duration of post vaccination immunity to *foot-and-mouth* **disease** in cattle with chronic diseases. Experiments on leukosis and tuberculosis. 035018

Duration of post vaccination immunity to *foot-and-mouth* **disease.** New experimental works [Cattle]. 035019

Necessity to slaughter cattle vaccinated against *foot-and-mouth* **disease.** 035020

Neutralizing antibodies of colostral origin in calves born of mothers vaccinated against *foot-and-mouth* **disease.** 035021

Post-vaccination immunity to *foot-and-mouth* **disease** in the calf. Determination of the optimal moment for the first vaccination. 035022

Results of a small scale field trial in Nigerian cattle of *foot-and-mouth* **disease** vaccines produced from local virus strains. 035023

Study of persistance of *foot-and-mouth* **disease** antibodies in calves born from vaccinated cows. 035024

The strategy of the fight against *foot-and-mouth* **disease** in the Americas. 035026

Vaccination against *foot-and-mouth* **disease** of swine in Spain. Field results obtained with an O-C bivalent specific vaccine. 035027

Vaccination as a method of *foot-and-mouth* **disease** control: An appraisal of the success achieved in Kenya, 1968-1973 [Cattle]. 035028

A *foot-and-mouth* **disease** vaccine for swine. 035029

Latent form of *foot-and-mouth* **disease** [Cattle]. 035244

New lines of cells and the adaptation to them of the *foot-and-mouth* **disease** virus [Livestock]. 035248

Persistence of *foot-and-mouth* **disease** virus in experimentally infected jackdaws. 035250

Production of highly active hyperimmune serums for control of *foot-and-mouth* **disease** virus. 035251

Cytological characteristics of bovine kidney cell culture chronically infected with *foot-and-mouth* **disease** virus. 035279

A case of swine vesicular disease (SVD) in the Netherlands [is compared with *foot-and-mouth* **diseases,** virus diseases]. 035213

The interaction between *foot* **rot** infection and yield components of winter wheat in dependance on cultivation techniques. 038833

Pollen analysis of the buried volcanic ash soil at the *foot* of the **volcano,** Iwate. 036106

FOOTHILLS

Pinus nigra caramanica in the *foothills* of **Dagestan.** 035580

Mazzard cherries in various soils of the *foothills* of **Dagestan.** 038471

FORAGE

Annual *forage* legumes, a source of feed protein [Cultivation]. 038037

Better use of *forage* for **beef.** 034351

The scent gland in *foraging* **bees** [Apis mellifera]. 040279

Productivity and feeding value of [sugar and *forage]* **beet** varieties and hybrids. 038062

Oats and Senji form the **best** *forage* mixture. 033569

Evaluation of various *forages* of **Brassica** species for theirnutrients [Varieties]. 038032

The *forage* **cabbage** [Cultivation]. 038100

Relative value of nutrients in dairy **cattle** *forages*. 034325

Collective *forage* cultivation—an alternative to expansion of farming. 031354

Broiler chicken **compound** *forages* mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at normal protein level. 034533

Blood ketone body content of ewes administered propionic acid with **concentrated** *forage* for a long time. I. 034532

Clitoria ternatea (L.) Due. As a *forage* and **cover** crop—a review. 038085

Amount of micronutrients in [leguminous] *forage* **crops** grown in the Khar'kov area. 037603

Forage **crops** [Culture]. 038148

Balance and dynamics of potassium under *forage* **crops** in humid tropical areas. 040954

The influence of the method of preservation of *forages* on the **digestion** in dairy cows. 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. 034119

Effect of monensin fed with *forage* on **digestion** and the ruminal ecosystem of steers. 034407

The *foraging* **distance** covered by honeybees [Apis mellifera, apiculturists, Francois Huber]. 040224

No till and seedbed production of small grains-ryegrass [Lolium] mixture for *forage* in **east** Texas [Cynodon dactylon]. 041147

Economic *forage* production and utilization in Louisiana [Grazing management]. 038078

New thoughts concerning the cultivation of *forage* **grains.** 038070

Evaluation of annual **grass** *forages* in prepared seedbeds and overseeded into perennial sods. 038049

Green *forage* production line for sheep [Pasture management]. 038058

Influence of the type of *forage* **harvester** on the value of grass silages for heifers of dairy breeds. 034292

Influence of the type of *forage* **harvester** on the silage intake level and the performances of dairy cows. 034293

To avoid accidents at work with E 280 *forage* **harvester.** 040444

Phenological variations and seasonal rhythmics of some *forage* **herbs.** 037554

New cultural techniques and **high** *forage* production. 038068

A model to **improve** *forages* rationally for dairy cows [Pasture management]. 038143

Interpreting *forage* test results [Dairy cattle]. 034358

Effect of harvesting stage on cereal and **legume** *forage* production in low rainfall regions. 038047

Winter weeding of *forage* **legumes.** 039156

Roadside harvest [of crested wheatgrass for **low-cost** *forage].* 037951

Study of the effect of *forage* **mixtures** with stabilized and non-stabilized knackery fat, used after storage, for fattening pigs. 034538

A **new** *forage* evaluation system [Dairy cattle]. 034326

Forage **nutritive** value and palatability of 12 common annual weeds. 034355

Comparative performance of certain varieties of *forage* **oats.** 038030

Main source of green fodders *[Forage* **plant** culture, pasturemanagement]. 038060

Presence of carotenes and chemical composition determined and considered in some *forage* **plants** of Umbria [Nutritive value of feeds]. 034286

Floristic and chemical changes in *forage* **plants** after using manure and fertilizers. 037598

Productivity of *forage* **plants** on peat soils [Yields]. 038063

Two yields per year *[Forage* **plants,** pasture management]. 038065

The use of low **quality** *forage* in ruminant diets [Cattle]. 034374

Effects of drying on *forage* **quality** of alfalfa and reed canarygrass [Phalaris arundinacea] fed to lambs. 034411

Quality *forage* plants and how to produce them. 037976

Use of ethylenimine in *forage* **rape** breeding. 036658

Effect of dairy cattle manure on millet and **rye** *forage* and soil properties. 040998

Management of Serala sericea (Lespedeza cuneata) for *forage* and **seed** [Varieties]. 037991

Effect of spacing and phosphate fertiliser on *forage* and **seed** yield of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883

Now! **Special** *forage* beef systems for southern cattlemen [Beef cattle]. 033659

Yield and cadmium accumulation of *forage* **species** in relation to cadmium content of sludge-amended soil. 039019

Proposals for the organization of *forage* **supply** on livestock cooperative farms with several lines of production [East Germany]. 031380

Field crops performance **tests** *cotton-forage* crops summer annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142

Influence of fertilisation level on nutrient balance of **two** *forage* plants grown on a sandy soil of the lower Ivory Coast. 040960

Sericea [Lespedeza cuneata]-grass mixtures *[Forage* **varieties].** 037992

Digestibility and nutritional value of some *forages* (**white** clover hay, ryegrass, carrot-roots and wheat bran) for ponies. 034282

Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. II. *Foraging* and **winter** workers. 040198

The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. II. *Foraging* and **wintering** workers. 040200

Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and *forage* **yeasts** meal at normal protein level. 034533

Forage **yields** of different alfalfa varieties in pure stands and in mixtures with grasses. 037972

FORECAST

Prospects of the use of **achievements** of molecular biology in agriculture [Plant breeding]. 036653

The *prospects* of using **aerial** survey for the purpose of [land] reclamation and conservation of environment. 041156

Possibilities and *prospects* of **apiculture** in Talysh. 040273

Forecasting the **cattle** market. 031521

Seed **crop** *forecasting* in eucalypt [Eucalyptus regnans] forests using aerial reconnaissance. 035650

Present situation and *prospects* of **cultivated** mushrooms. 038428

Peach [varieties] for consumption and for processing, nectarines: situation and *prospects* for **culture** in Italy, according to results of a special survey. 038385

World **demand** *prospects* for bananas and citrus fruits, the effect of prices and income on the growth rate of consumption. 031736

Prospects for the **development** of forestry in the member countries of the Council for Mutual Economic Assistance. 035553

Prospects for the **development** of timber preservation in the Ivory Coast. 035702

The present status and *prospects* of **development** of the mobile distribution of liquid manure [Equipment]. 040440

Development *prospects* of mechanization of vegetable production. 040478

Urban analysis in the regional-national [medium-term **econometric** *forecasting]* model REGINA of the French economy [includes rural areas]. 031807

U.S. Soybean **economy** in the 1980's *[Forecast].* 031810

Engineering *forecasting* and the measures for preventing water erosion of soils. 041155

Forest resources and their *prospects* in **Estonia.** 035628

Prospects for **Europe's** farming in the 1980s [Outlook]. 031812

Importance and fundamentals of *forecasting* the **expected** fruit size of apples. 038310

Export *prospects* of the French milling industry. 031571

Prospects for **financing** agricultural enterprise. 031423

Prospects of the use of the **fluorescent** spectroscopy method to evaluate the potential productivity of wheat varieties. 037574

On development and *prospects* of the **food** industry. 031926

The world **food** *prospect.* 032555

Prospects for **French** corn production: an assessment [Statistics]. 031595

Making better use of **frost** *forecasts* [Citrus]. 038970

Forecast for use of **fruit** and flavors in cultured [dairy] products. 032939

Research in applied nutrition: present needs and *prospects* for the **future.** 032307

Horticulture and viticulture—branches of agriculture with good *prospects* for the **future.** 038470

Present problems and **future** *prospects* of ecological modeling. 041544

Forecasting the **growth** of cattle. 034236

Prospects in **industrial** production of liquid sugar. 033241

The resistnace of corn to Ostrinia nubilalis Hbn (Lepidoptera, Pyralidae) and the *prospects* for **international** cooperation on this problem. 039279

A *forecast* of **irrigation** developments in Italy. 041340

Present state and *prospects* of the **method** of aerosol vaccination of animals. 035208

Molybdenum in the soils of Andizhan oblast and *prospects* for using **molybdenum** micronutrients [Irrigation]. 041096

Acute irradiation of vegetating plants and *prospects* of its use in **plant** growing and breeding [Genetics]. 036610

Ecotoxicology—a new branch of toxicology: a general survey of its aims methods, and *prospects* **[Pollution].** 041513

EEC [European Economic Community] *forecasts:* **possible** danger of beef deficit. 031811

Earliness of production of the purple passion fruit Passiflora edulis Sims. in Reunion. *Prospects* for **production.** 038300

Forecast of **scientific** developments in food and nutrition. 032283

Results and *prospects* of **scientific** research at the All-Union Institute of Animal Husbandry. 033666

Resits and *prospects* of **scientific** research at the All-Union Institute of Plant Industry. 035932

Results, targets and *prospects* of **spring** wheat breeding in the southeast of the European part of the USSR. 036654

Prospects of **studies** of polyploidy in sugarbeets. 036652

From the alternatives of 1974 to the *prospects* of 1974 **[Sugar** demand and prices]. 031555

Problems and *prospects* of **sugar** industry [Production, trade, prices]. 031662

Some light trap investigations in the assessment and *forecasting* of **sugarcane** borers. 039253

Cattle raising and its *prospects* in the **Tachov** District. 033684

Delphi exercises in *forecasting* **technology** for the food industry in the United Kingdom. 032811

What *prospects* are there for the **tenant** farmer? 031206

World *prospects* of triticale growing (review) [Culture, varieties]. 038158

FOREST

Seed crop forecasting in eucalypt [Eucalyptus regnans] *forests* using **aerial** reconnaissance. 035650

Organization of fire protection for *forests* with use of **aircraft.** 035473

Studies on selection *forest* of **akamatsu** (Pinus densiflora) in Kikuma-cho. 12. On the germination and vanishment of the natural seedlings and their height growth. 035638
Redwoods [Sequoia sempervirens] to "popple" [Populus]—**Aladdins** in the *forests*. 035510
Forester's views on *forest* **amenities**; an opinion poll. 035539
Practical use of pollen **analysis** *[Forests]*. 035941
On "the multiple-use" of *forests* in **ancient** times. 035617
Forests **and/or** pastures? [Ecological equilibrium, conservation, reforestation]. 035458
Is *forest* **assessment** of any value? Reply. 038813
Avalanches from *forests*. 035515
Study of biomass and caloric value of the soil nematode population in hornbeam-oak [Carpinus, Quercus] *forest* in **Bab.** 040569
Physicochemical properties of black liquors from sulfate cooking of different species of wood from the *forest* **base** of the Tavdinskii Paper-Pulp Combine. 035816
Quality control of the 1975 wild mushroom and berry crops in the **Bavarian** *Forest*—characteristics of wild raspberry juices. 032049
A preliminary survey of insect attack on seedlings and saplings in Bukit **Belata** *Forest* Reserve. 039397
High-mountain **birch** *forests* in the Transcaucasia and their phytocoenotic characteristics. 036180
The phenomenon of "depression" in hardwood, **broadleaved** *forests* [Physiological diseases, forest trees]. 039031
Brown *forest* and Brown pseudopodzolic soils of the Soviet Union. 040600
Identification of Yellow soil, Red soils, and **Brown** *Forest* soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Some aspects of the application of fertilizers to wheat on **Brown-Reddish** *forest* soil. 041054
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in river red gum [Eucalyptus **camaldulensis**] *forests*. 039387
Picea culture under the *forest* **canopy.** 035667
Veternary aspects of first experience gained with folding fattening **cattle** in *forests*. 034928
The effect of preceding fertilizer application on the maximum phosphate sorbtion of the **Cinnamonic** *Forest* soil. 041034
Grazing of beef cattle in the *forest* **combined** with pasture. 034270
Remarks **concerning** *forest* experiments and research in industrial regions [Air pollution]. 035505
Vascular plants of montane **coniferous** *forest* in San Bernardino Mountains, California. 036059
On the history of the dark **coniferous** *forests* of Georgia [Paleobotany, USSR]. 036142
Ultra-low-volume aerial spraying—a new technique in **controlling** *forest* insect pests. 039396
Erosion [on rangeland, *forests* and **cropland**] and sediment yield [to reservoirs] in New Mexico. 041179
CLEAN [Comprehensive Lake Ecosystem Analyzer], the aquatic model of the eastern **deciduous** *forest* biome. 041539
Deer and the *forest*. 035460
Red **deer** and *forests*. 035462
Seasonal distribution of Protura in three **Delaware** *forests* [Eosentomon vermiform, Acerella]. 039709
Guiana, the most *forested* **department** of France. 035542
A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from coniferous [Abies nephrolepis and Picea ajanensis] *forests* of the Far **East** of the USSR. 039049
Complex regionalization of *forest* **economy** of the Ukraine. 035571
The relationship between site condition and circulation of nutrients in *forest* **ecosystem.** III. Above ground biomass and nutrient contents of stands. 036229
Forests as **energy** sources in the year 2000: what man can imagine, man can do. 035479
Patent-statistics research *[Forest* **engineering].** 035585
New safety fuse igniter *[Forest* **equipment].** 035467
Zonal features of *forests* of the **European** North [USSR]. 035487
Introduction of grand fir (Abies grandis Lindl.) to **European** *forests*. 035689
Problem of **evaluating** *forest* soils. 040566
Remarks on the biology and control of Hylecoetus dermestoides L. (Coleoptera, Lymexylonidae) against the background of observations made during 1953-1973 in the Rogow **Experiment** *Forest* of the Agricultural University in Warsaw. 039393
Differences in volume growth increase after *[forest]* **fertilization** with urea and ammonium nitrate fertilizer. 040886
Forest **fire** losses in Australia 1970-71. 035482
Forest **fires.** 035457
Early intervention and extinguishing of *forest* **fires** by using a diesel Campagnola truck equipped with automatic spraying. 035474
Recording wind velocity direction, and temperature in *[forest]* **fires** by logarithmic technique. 035507
The effect of the *forest* upon the **frequency** and occurence of slight frosts in spring. 035491
The **Gir** *Forest:* an endangered ecosystem. 036174
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light **Gray** *Forest* fine loamy soil. 040869
Needles in the grass *[Forest* **grazing].** 035547
Changes of phosphorus and potassium compounds in soddy-podzolic and **Grey** *forest* soils under the effect of water erosion. 040721
Spatial variation of the snow cover height and the depth of freezing of **Grey** *forest* soils under conditions of Pridesnyanskaya highland. 040745
Leaf fall and the rate of litter decay in some *forest* **habitats** [in relation to leaf production and saphrophage activity]. 036923
Impact of changing land use on delta **hardwood** *forests*. 035560
Mixed **hardwood** *forests* and the continuity of timber supply in Central Sarawak. 035599
A brief assessment of the regeneration systems for **hill** *forests* in peninsular Malaysia. 035673
Women in the *forest*—**How** to make their work easier? 035588
Efficient utilization of economic incentives of the development of production *[Forest* **industries].** 035573
Shop-less structure of management *[Forest* **industries].** 035587
Forest **industries** and chemical engineers. 035854
Parasite problems in the biological regulation of mass increase of *forest* **insects.** 039376
Forest **inspection** in Askim. 035523
On the use of the system "Payment for use of the *forest"* **inthe** German Democratic Republic. 035578
Forest **inventory** in the tropics [Nicaragua]: a consideration. 035557
The Meissner National Park—the **Kaufung** *Forest*. 035604
Improving the performance of citizens' committee [for *forest* **land** management]. 035561
Erosion and sediment from *forest* **land** uses, management practices and disturbances in the southeastern United States. 035606
Regions under the microscope [Labor and utilization of agricultural and *forest* **lands**]. 031256
Geotechnical management of *forest* **lands** in granitic terrane. 035607
[Forest] **land-use** planning: a view from Holland. 035565
Seasonal dynamics of lysimetric water composition in the profile of a sandy podzolic soil of a **larch** *forest* (Karelian isthmus). 040741
On the 50th anniversary of the Faculty of Mechanical Wood Technology of the Order of Lenin S. M. Kirov **Leningrad** *Forest* Engineering Academy. 035486
Nature of the biogenous accumulation of microelements in *forest* **litters.** 040833
The *forest* as a **living** area for wildlife. 035463
Role of allelopathy as expressed by dominating trees in a **lowland** *forest* in controlling the productivity and pattern of herbaceous growth. 037888
Improving the structure of **low-level** *forest* management groups. 035576
A study on the prevention of vibration and noise of *forest* **machines** [logging equipment]: considerations mainly with relation to improvement of forest operations. 035709
Debris flows following wildfire in north central Washington[Watersheds, *forest* **management].** 035499
Too many doctors around the mountain, the large patient *[Forest* **management,** legislation]. 035513
Woodland conservation in eastern England: comparing the effects of changes in three study areas snce 1946. *[Forest* **management].** 035526
Studies on forestry in Kuma area. I. Formation process of *forest* **management.** 035533
Forest **management** and water quality. 035536
The 13th symposium of the *forest* **management:** forest planning. 035568
Improving the organization of labor in *forest* **management.** 035575
On the operations of the computer center *[Forest* **management].** 035577
The goal of *forest* **management**—the complex utilization of forest resources. 035582
The helicopter—new tool for *forest* **management.** 035610
Forest survey contents of the classificatory system of *forest* **management** methods. 035621
The potential of **mangrove** *forests* in Sarawak. 035602
Collembola and other microarthropods of *forest* and **meadow** regions of the Terskei Ala-Too at the lower limit of the spruce ocurrence. 039966
The effect of properties of microhabitats formed on various metamorphic schists on vegetation [of **meadows** and *forests].* 036924
Depredatory insects of the **Mediterranean** *forests*. 037907
Influence of forest vegetation on the horizon of Podzols inthe **Menomeny** *Forest,* state of Wisconsin, USA. 040728
Development and crop bearing of larch (Larix decidua Mill.) strains in a clonal seed orchard in the **Miedzylesie** *forest* district. 035687
Developing the self-guiding trail in the **National** *Forests*. 035494
Planning resource use on **national** *forests* to achieve multiple objectives. 035555
National *forest* visual management: a blend of landscape and timber management. 035562
The Bitterroot **[National** *Forest]*—a fading polemic. II. 035564
The **national** *forests:* a great national asset is poorly managed and unproductive. 035615
Vegetative history of Cinnabar Park in Medicine Bow **National** *Forest,* Wyoming [as related to soil characteristics]. 040784
Formation of the regeneration structure in several communities of a **natural** *forest*. 036232
The mortality factors of experimental populations of Lymantria dispar in a larch [Larix leptolepis] plantation and **natural** *forest*. 039389
Alternative methods for logging steep slopes in the **Nelson** *Forest* District of British Colombia. 035781
Environmental regulation of the population size of the oak leaf roller moth (Tortrix viridana L.) in the **Niepolomice** *Forest*. 039384
Supply of young trees to the public *[Forest* **nurseries].** 035629
Several tests of mycorrhizal inoculations *[Forest* **nurseries,** propagation]. 035645
On possibilities of the extension of use of the preparation Gesatop 50 (simazine) [in *forest* **nuseries** and stands]. 039184
The effect of Dendrobacillin on insect and arachnid fauna of **oak** *forests* of the trans-Carpathian region [Forest pests, biological control]. 039394
Old *forests,* price increases, and the tax assessment situation. 035524
Problems of planning in *forest* **operations.** 035518
A study on the prevention of vibration and noise of forest machines [logging equipment]: considerations mainly with relation to improvement of *forest* **operations.** 035709
On the problem of **optimum** *forest* area of the southern macroslope of the Crimean mountains. 035597
Comparison of the course of potential evaporation in the *forest* and **outside** it in the area of Rogow. 035488
Forest and **out-yard** apiculture. I. 040203
The use of simulation in the management of privately **owned** *forests* in Britain. 035551
Forest residues in hemlock-spruce [Tsuga-Picea] *forests* of the **Pacific** Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
Peri-urban *forests,* a dream or reality? Words of a biologist. 035501
Urgent problems in the protection of the *forest* from **pests** and diseases [Poland]. 039011
Further investigations on biophysical factors and their effects on Lymantria monacha L. (Lepidoptera, Lymantriidae) *[Forest* **pests].** 039380
The effect of Dendrobacillin on insect and arachnid fauna of oak forests of the trans-Carpathian region *[Forest* **pests,** biological control]. 039394
Changes in lower layers of a *forest* **phytocoenosis** under the influence of a faint increase of light intensity. 037325
Influence of illumination and litter-drop on the development of certain species of mosses [Musci, **Picea,** *forests].* 036251
Breeding [program] characteristics of the Gritsevolia **Pine** *Forest* Reserve. 035669
On the effect of trees on the structure of grass stand in grassy **pine** *forests* in the lower reaches of Angara. 036183
Integration of *forest* **planning** and accounting. 035540
The 13th symposium of the forest management: *forest* **planning.** 035568
Growth and reproduction of the field vole Microtus agrestisL.) in *forest* **plantations** [Pests]. 038956
On procedures for accelerating the growth and development of *forest* **plants.** 035665
Aspect of herbicidal effects on the ectosymbiotic microorganism of the *forest* **plants.** 039115
Role of free associations in *forest* **policy.** 035519
Protection of Picea **polita** *forest* against typhoons and its restoration on the damaged area in Yamanaka Forest Reserve. 035465
Federal legislation of *forest* **practices.** 035556
Gracco **"preserved"** *forest* in Carnia. 035554
Private *forest* lands in Nova Scotia. 035609
Forest **production** in correlation to atmospheric site factors. 036173
Forest **products** as commercial feed. 033539
Difficult market situation today—but good long range perspectives *[Forest* **products].** 035843
Forest **products** buyers and sellers guide [Directories]. 035848
Appraisal of the soundness of sorter estimates *[Forest* **products,** standards]. 035868
Biological avalanche and torrent prevention by timely **protective** *forest* care. 035516
Slope instability in relation to timber harvesting in the Chilliwack **Provincial** *Forest*. 035742
No interventions in the tropical **rain** *forest* [Conservation]. 035569
Micrometeorology and assessment of primary production of a tropical **rain** *forest* in West Malaysia. 037930
Forest **regeneration** of lignite mine terraces of the Dnieperarea and its limiting factors. 034435
On the free sesquioxides in **representative** *forest* soils. 040572
Forest **research** in a land of fields: Poland. 035478
Forest **residues** in hemlock-spruce [Tsuga-Picea] forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
The goal of forest management—the complex utilization of *forest* **resources.** 035582
Forest **resources** and utilization in the Ukraine. 035595
The *forest* **resources** of Sabah and their development in the light of land capability classification. 035600
Proceedings of the Symposium of the Chinese Forestry Association on *Forest* **Resources** management in Taiwan. 035612
Forest **resources:** an overview. 035614
Forest **resources** and their prospects in Estonia. 035628
Stability of the *forest* with **respect** to wind and storm; foreword [Damage]. 035496
Stability of the *forest* with **respect** to wind and storm as seen from experience [Damage]. 035497
Organization of the site of building and the use of machines in *forest* **road** construction. 035517
On the opening of the *forest* **road** with staff's own effort in the Ehime University Forest (Komenono, Matsuyama City). 035531

On the protection work of the *forest* **road** in the forest road in the Ehime University Forest. VI. Examination of native Japanese vegetation. 2. 035532
A suitable transition curve to the *forest* **road**—the locus of the front wheel of the truck. 035566
Some elements of traffic in the light of direct measurements on *forest* **roads.** 035624
On the dynamic activity of the MAZ-509 logging truck on tract surface of ferroconcrete slabs *[Forest* **roads].** 035813
Instruction of topography and construction in courses for obtaining academic degrees in agricultural and *forest* **sciences.** 031093
Inauguration of the XXIVth year of the Italian Academy of *Forest* **Sciences.** 035475
Appraisal of the usefulness of modified statistical methods of taxation for needs of forest survey using an example of a **selected** *forest* tract. 035592
An appraisal of the technique of pitfall trapping for epigeic communities of carabids (Coleoptera, Carabidae) in several **selected** *forest* habitats. 039867
Calculating optimum parameters for wind erosion control of *forest* **shelterbelts** in the dry steppe area. 035485
Stability of trees in *forest* **shelterbelts** of the Askania-Nova Experimental Farm. 035509
Forest **shelterbelts** and the quality of crops. 035512
Ground beetles in *forest* **shelterbelts.** 039868
Sediment yield from steep lands *[forest* **slopes]** in the driftless area [Watersheds]. 041385
Sediment storage in channels draining **small** *forested* watersheds in the mountains of central Idaho. 035500
Vertical distribution of microfungi in a spruce [Picea abies] *forest* **soil** in the south of Sweden. 036166
Studies on moisture status of *forest* **soil.** IV. Development of original field tensiometer into automatic recording system and some improvements of the system. 040573
Forest **soil** after afforestation by rehabilitation in the Setouchi region. III. In Comparison with the forest soil of some natural stands. 041145
Kevo, Finland [Vegetation, *forests,* **soils].** 036194
Mineral nutrient pool and cycling in a Missouri [Quercus alba, carya] *forest* **[Soils].** 040669
Economic aspects of the natural regeneration of pine in the **Solski** *Forest.* 035620
Public liability of **southern** *forest* owners. 035537
On the growth of **spruce** *forests* of the Carpathians of varying density. 035596
Utilization of portable tape recorder for a complete measurement of *forest* **stand.** 2. The improved equipment. 035535
Method of examining the relationship between the current increment of *[forest]* **stand** volume on the one hand, and breast height cross-section area and the number of trees per area unit on the other. 035622
Stability of *[forest]* **stands** to wind: a theoretical approach [Damage, Pseudotsuga menziesii]. 035498
Effect of *forest* **stands** of varying composition on the soil. 035508
Conference of coordinators for the Project No. 11.2 "Fertilization of young plantations and *forest* **stands"** under the Council for Mutual Economic Assistance. 041103
Directions of forest tree selection and status of its accomplishment in **State** *Forests.* 035688
Problems of the chemical control of damping-off of seedlings in nurseries of the **State** *Forests.* 038815
Soils of *forest-steppe* and **steppe** zones. 040715
Determination of the number of vehicles to perform transportation tasks [of wood from *forests* to **storage** places]. 035869
A preliminary study of aquatic hyphomycetes on leaves in *forest* and **stream** leaf litter. 036230
Markovian properties of *forest* **succession.** 036214
Forest **supervisor** Carl M. Vendelsoe, 17 March 1891-21 May 1975. 035538
Appraisal of the usefulness of modified statistical methods of taxation for needs of *forest* **survey** using an example of a selected forest tract. 035592
Forest **survey** contents of the classificatory system of forest management methods. 035621
Seasonal growth increment of pine, spruce, oak and birch in mixed stands of the **Svesskii** *Forest* Enterprise. 035598
Logging and log transportation in the peat **swamp** *forests* of Sarawak, Malaysia. 035832
The project of the **Swedish** *forest* industry for the protection of the environment [against pollution]. 041500
Joint solution of problems of complex mechanization of *forest* **tasks.** 035789
Control of the *forest* **tent** caterpillar [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, biological control]. 039403
Forest **thinning** and tree acreage. 035662
Studies on the accuracy of contour map of a *forest* **tract** obtained from a magnification of medium-scale topographic map. 035593
The evaluation of the dynamics of seasonal increment of Larix dahurica in a *forest* **tract** Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). 037899
Forest **tree** seed orchards in Sweden, 1975 [Pinus, Picea]. 035634
An economic model for selection of *[forest]* **tree** varieties [Fagus, Picea abies]. 035641
Directory of Iowa nurseries that deal in *forest* **tree** stock. 035680
Directions of *forest* **tree** selection and status of its accomplishment in State Forests. 035688
Preliminary studies on the role of trenches in isolating root effect of *forest* **trees** bordering agricultural crops [Landuse]. 031159
Results of simulating wildlife browsing by cutting shoots [of *forest* **trees].** 035481
Effects of artificial shading on the growth of *forest* **trees.** I. Differences in growth of Cryptomeria japonica seedlings in shade during a growing season. 037924
The phenomenon of "depression" in hardwood, broadleaved forests [Physiological diseases, *forest* **trees].** 039031
Sex attractant curbs gypsy moth [Porthetria dispar, *forest* **trees].** 039375
Infestations by insects and mites of *[forest]* **trees** and shrubs in 1974. 039405
Concerning the Sor **Trondelag** *Forest* Owners organization and the proposed county plan. 035570
Note on the conversion plantations in moist **tropical** *forests.* 035527
A study of grasshopper species composition in primary and secondary growth [of **tropical** *forests]* in Costa Rica. 039706
Potassium cycle in the humid **tropical** *forest.* 040645
Scleroderris [lagerbergii] canker of Todo-fir [Abies sachalinensis] in Hokkaido, northern Japan. V. Relationship between disease development and *forest* **type.** 038613
Buckwheat [growing] in **Ukrainian** *forest-steppe* zone. 038189
Mineralogy of clay fractions in typical Chernozems of **Ukrainian** *forest* steppe. 040731
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and Gray Podzolic soils of the *forest-steppe* of the **Ukrainian** SSR. 040871
Analysis of the growth in five years in randomized block experiment (No. 1) of the Komenono **University** *Forest.* 035530
On the opening of the forest road with staff's own effort in the Ehime **University** *Forest* (Komenono, Matsuyama City). 035531
On the protection work of the forest road in the forest road in the Ehime **University** *Forest.* VI. Examination of native Japanese vegetation. 2. 035532
The Coleoptera of the Ehime **University** *Forest.* II. Researches on the insect-fauna of Komenono University Forest. 5. 039999
Forestry policy in view of *forest* **uses** and wood processing in Hungary. 035543
Full *forest* **utilization.** II. Quality and kraft pulp yield of eastern Canadian hardwoods. 035849
Influence of *forest* **vegetation** on the horizon of Podzols inthe Menomeny Forest, state of Wisconsin, USA. 040728
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of thick Chernozem in the **western** *forest* steppe of the Ukraine. 040814
People, *forests* and **wildlife.** 035461
Forestry and wildlife conservation in the temperate zone. 1. General characteristics of *forests* and **wildlife** habitats and considerations for their conservation. 035521
The *forest* is not only a **wood** factory [Conservation]. 035603
Seed orchards of *forest* **wood** species (review) [Seed production]. 035685
Protection of Picea polita forest against typhoons and its restoration on the damaged area in **Yamanaka** *Forest* Reserve. 035465
Quality and technical usefulness of wood harvested in the course of late cleaning [in **young** *forest* stands]. 035829
On subzonal [vegetation] division of *forest* **zone** in the Tomsk region. 036181
Soil cover characteristics in the *forest* **zone** of West Siberian plain. 040951

FORESTERS

Obituaries: Charles B. **Dunham,** 1908-1975 *[Foresters].* 035470
Forester's views on **forest** amenities; an opinion poll. 035539

FORESTRY

A new division of time in **agriculture** and *forestry.* 031246
American *Forestry* Association's 100th birthday. 035476
Varied development of income in agriculture and *forestry* **[Austria].** 031405
Forestry and **bird** fauna. 035495
Possibilities and difficulties with *forestry* **budgets.** 035605
Proceedings of the Symposium of the **Chinese** *Forestry* Association on Forest Resources management in Taiwan. 035612
Proceedings of the Symposium of the **Chinese** *Forestry* Association on the selection of silvicultural species. 035682
1974 Annual meeting of the **Chinese** *Forestry* Association on recent wood supply and demand in Taiwan. 035859
Plan of coordination of research in the field of agriculture and *forestry* in **connection** with environmental protection. 031122
Contribution of *forestry* to the **development** of naturally damaged areas. 035459
Turning point in agricultural and *forestry* **education** [Legislation]. 031823
Effect of concentration of production on the economic indices of widespread-demand **enterprises** *[Forestry].* 035572
The role of *forestry* in **environmental** conservation and areal development. 035546
Graduates of *forestry* **faculties** of graduate schools and secondary forestry schools in Poland in the years 1954-1972, and their employment. 035489
List of publications of workers of the *Forestry* **Faculty** [Agricultural Academy in Warsaw]. 035490
Farm *forestry* present and future. 035468
Farm *forestry* short course, Flock House, February 1975. 035469
Education in the broadening scope of *forestry* today. 035464
Forestry may **hope** [Policies]. 035550
Forestry **issues** in an urban economy. 035558
The *forestry* of **Kenya.** 035484
Studies on *forestry* in **Kuma** area. I. Formation process of forest management. 035533
CAIN [Cataloging and Indexing] on-line at the University of Wisconsin *[Forestry* **literature** indexing coverage]. 031003
Latvia: principles of management *[Forestry,* **mechanization].** 035583
Prospects for the development of *forestry* in the **member** countries of the Council for Mutual Economic Assistance. 035553
Metric *forestry:* a measure of progress. 035549
Moor *forestry* in France [Pinus pinaster]. 035541
Agriculture and *forestry* in **mountain** areas. 031038
Nursery techniques in the savanna region of **Nigeria** *[Forestry].* 035683
Some problems of long-range **planning** in *forestry.* 035625
The termite problem in **plantation** *forestry* in Peninsular Malaysia. 039398
Inquiries of income in agriculture and *forestry* **[Policies,** Austria]. 031771
Forestry **policy** in view of forest uses and wood processing in Hungary. 035543
The significance of remote sensing techniques for agricultural, *forestry,* and **rangeland** management. 031120
Douglas fir [Pseudotsuga menziesii] IUFRO [International Union of *Forestry* **Research** Organizations] provenances in the Netherlands 1968-69 series. Nursery results. 035677
Readership study concerning **scientific** *forestry* publications. 035502
Graduates of forestry faculties of graduate schools and **secondary** *forestry* schools in Poland in the years 1954-1972, and their employment. 035489
Are we operating still **site-adapted** *forestry?* 035514
Workshop on fluid penetration in wood [Held at College of Environmental Science and *Forestry,* **Syracuse,** N. Y. November 12, 13, 1973]. 035902
Training of **Tahi** *forestry* graduates in Finland. 035618
The major national and *forestry* **targets** of the 5th five year plan. 035545
Linear programing in the planning of timber production in a *forestry* **unit.** 035616
Urban *forestry* education in North America. 035480
Forestry and **wildlife** conservation in the temperate zone. 1. General characteristics of forests and wildlife habitats and considerations for their conservation. 035521
Roman Gesing, former minister of *Forestry* and **Wood** Industries—obituary. 035506

FORMALDEHYDE

Effect of addition of *formaldehyde* on the **dietary** value of milk for mice and its quality. 034419
Studies on the constituents of Corydalis sps. XII. Reaction of dihydroprotoberberine type **enamine** with *formaldehyde.* 037076
Artificial insemination with spermatozoa in *formaldehyde* **[Sheep,** swine]. 034679
Oxidation of methanol and *formaldehyde* by a **system** containing alcohol oxidase and catalase purified from Candida [fungi] sp. N-16. 032711
Genetic effect of *formaldehyde* in **yeast** [Saccharomyces cerevisiae]. I. Influence of the growth stages on killing and recombination. 036598

FORMICA

On the regulation of the amount of prey in wood **ants** *(Formica* polyctena Foerster). 039892
A model of digging behaviour and tunnel production in ants *[Formica* **lemani,** lasius niger]. 039812
Mound-building ants of **Washington** *[Formica].* 039809

FORMICIDAE

A new observation on the association between ants (Hymenoptera: *Formicidae)* and **armoured** scale insects (Homoptera: Diaspididae). 039229
A study of the photoperiodic reaction in the ant Myrmica rubra L. (Hymenoptera, *Formicidae).* I. **Basic** parameters of the reaction. 039724
Dispersion and history of a population of the meat ant Iridomyrmex purpureus (Hymenoptera: *Formicidae)* **[Geographical** distributions]. 039988
Ants *[Formicidae]* in the **home** and garden; how to control them. 039218
Ants *[Formicidae]* in the **home** and garden: how to control them. 039219
Short-term change in a population of the meat ant Iridomyrmex purpureus **(Hymenoptera:** *Formicidae).* 039633
Short-term change in a population of the meat ant Iridomyrmex purpureus **(Hymenoptera:** *Formicidae).* 039634
Dispersion and history of a population of the meat ant Iridomyrmex purpureus **(Hymenoptera:** *Formicidae).* 039989
The effect of gamma irradiations on the longevity of the queens and the workers of Temnothorax recedens (Nyl.) *(Formicidae,* **Myrmicinae).** 039816
Investigations on the social organization in the Pharaoh's ant, Monomorium pharaonis L. (Hymenoptera, *Formicidae).* I. The **regulation** of the broad cycle. 039814
Revision of the Stenamma species (Hymenoptera, *Formicidae)* from the **USSE** [New taxa]. 040178

FORMULA

Applicability of some **infiltration** *formulae* to rangeland infiltrometer data. 038051

Formula **makers** exploit third world weaknesses. 032207
Formula for **obtaining** clean mink skins with soft leather. 033110
Partition of information [in plant sciences]: some *formulae* **revisited.** 035911
A **sugar-free** *formula* for regular and high-protein breads [Wheat flour, soy flour]. 033189

FORMYL
A new formylated chalkone, *5'-formyl-2',4-dihydroxy-4'-methoxychalkone*, from the **seeds** of Psoralea corylifolia. 036983

FOSSILS
Evolutionary trends in *fossil* **gymnosperm** pollen. 036129
Contribution to the knowledge of the Tertiary flora of Bulgaria: New **plant** *fossils* from the Pliocene. 036010
Tertiary *fossil* fungi from Kiandra, New South Wales [New taxa]. 036121
Amino acids in modern and *fossil* **woods.** 035837

FOULBROOD
Important and current information on *foulbrood* and **acarine** disease [of Apis mellifera]. 040204

FOWL
Quantitative studies on Heterakis gallinarum infections in the **common** *fowl*, Gallus gallus L. 035113
Changes in blood arginine vasotocin level after osmotic stimuli in **domestic** *fowl*. 033713
Mediation of glucagon in the response of the **domestic** *fowl* to stress. 033864
The occurrence of lipid in the oxyntico-peptice cells of the proventriculus of the fasting **domestic** *fowl* [Chickens]. 033999
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by tissue slices of *roosters* **fed** a phenylalanine-free diet [Chickens]. 034427
Polymorphism in fowl serum albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the *fowl* (**Gallus** domesticus). 033872
Morphogenesis of hybrids between **guinea** *fowl* and chicken. 034585
Karyotype of the **guinea** *fowl* under normal conditions. 034603
Role of "hemohybridization" in the creation of Zagorsk white-breasted **guinea** *fowl*. 034631
Central effects of clonidine 2-(2,6-dichlorophenylamino)-2-imidazoline **hydrochloride** in *fowls*. 033832
Comparative susceptibility of the chorioptic mange mite, **northern** *fowl* mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
A potential for *fowlpox* **outbreaks** [Virus diseases]. 035066
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with *fowl* **plague** virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Fowl **play:** processors swell selections of egg products. 032631
Immunity trial of *fowl* **pox** 'BM' strain vaccine against virulent fowl pox virus (Punjab isolate-1) [Chickens]. 035186
Storage of *fowl* **semen** under reduced pressure. 034707
Polymorphism in *fowl* **serum** albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). 033872
Ovarian **teratoma** in a *fowl*. 035328
Studies on the liquid preservation of *rooster* and **turkey** sperm. 034838
Immunity trial of fowl pox 'BM' strain vaccine against **virulent** *fowl* pox virus (Punjab isolate-1) [Chickens]. 035186

FOXES
Skinning the **Arctic** *fox*. 033112
Arctic *fox* during the breeding period [Feeding]. 034356
Feeding **Arctic** *foxes*. 034503
Examination and occurrence of rabies in the territory of Czechoslovakia in the years 1969-1973 *[Foxes,* **dogs,** cats]. 035225
The development of Taenia pisiformis in various definitive host species [Dogs, cats, *foxes,* **ferrets].** 035094
Telemetric surveillance system for water quality management on the **lower** *Fox* River. 041327
Before starting a new pelting season [Skinning fur-bearing animals, *foxes,* **minks].** 033100
Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the *fox-coloured* **sawfly** Neodiprion sertifer. 039976
Genetically controlled electrophoretic variants of esterase in **silver** *foxes* [Fur bearing animals]. 034819
State of Wisconsin automatic water quality monitoring system for the *Fox* and **Wisconsin** Rivers. 041325

FOXTAILS
Registration of **Butte** *foxtail* millet [Setaria italica]. 036443
Performance of Setaria italica (L.) P. Beauv. *(Foxtail* **millet)** varieties for grain production. 038082

FRACTIONATION
The effect of protein synthesis inhibition by cycloheximide on the *fractionation* of **chloroplast** structural elements [Barley]. 037400
Gel-chromatographic *fractionation* of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. 036772
Electromobility of aquatic humus: *fractionation* by the use of the **isoelectric** focusing technique. 040625
Fractionation and **partial** analysis of the 'bound' lipid fraction of muck soil organic matter. 040626
The role of [various] factors in the *fractionation* of **proteins** in seeds of plants. 2. The time of extraction of protein fractions from seeds of plants [Wheat, rye, buckwheat]. 037344
Isolation and *fractionation* of **water-soluble** polysaccharides from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032710

FRACTURES
Freeze-fracture **morphology** of gap junctions in the trophoblast of the mouse embryo. 034086
Osteogenesis with homogenous bone meal in *fracture* **repair** in a Hariana bull calf—a case report. 035418
A *freeze-fracture* **study** of adult Calliphora salivary glands. 039937
Treatment of *fractures* of the **tibial** tuberosity in the dog. 035422

FRAGARIA
Development and yielding ability of *Fragaria* **ananassa** Duch. [Strawberry] as affected with gibberellin. 037849

FRAMES
Frame **cabinet** with insertable frames [Apicultural equipment]. 040211
Frame **displacement** and deformation of frame saws. 035809
Culture of grape seedlings in assembled **film** *frame* greenhouses. 038466
Frame cabinet with **insertable** *frames* [Apicultural equipment]. 040211
Automated control of the precision of *frame* **sawing.** 035802
Frame displacement and deformation of *frame* **saws.** 035809
Timber *frame* housing. 035886

FRANKFURTERS
Texture evaluation of *frankfurters* by **dynamic** testing. 033095
Bacteriological survey of *frankfurters* **produced** at establishments under federal inspection. 032093
Method of measuring the color of *frankfurter-type* **sausage.** 033059
A method of determining the consistency of *frankfurter-type* **sausages.** 033054
Physical guide values for meat technology. I. 1. Fresh meat. 2. Frozen meat. 3. *Frankfurter-type* **sausages.** 033063
The formulation of recipes for *frankfurter-type* **sausages.** 033073

FRANKLINIELLA
Chemical control of the tomato spotted wild virus vector in the province of Tucuman [Tobacco virus diseases, *Frankliniella* **paucispinosa].** 038937

FRAXINUS
Growth of Ulmus laevis and *Fraxinus* **excelsior** seedlings in relation to length of flooding. 035656
The effect of waterlogging on the transpiration of some tree seedlings *[Fraxinus* **excelsior].** 037912

FREESIA
The chemical control of mites **infesting** *Freesia* corms and Narcissus bulbs [During storage]. 039416

FREEZERS
Measurement of contact surface between fish products and a **contact** *freezer*. 032749
Continuous *freezers* for the manufacture of ice cream. 033018
Drying lumber in the **home** *freezer*. 035780
Heat transfer and freezing capacity of foodstuffs in **household** *freezers*. 032744
Freezing times for blocks of fish in vertical **plate** *freezers*. The effect of contact area and block density. 032743

FREEZING
Freeze-drying **basic** products of animal origin under atmospheric pressure. 033049
Agronomic investigations on cultivars of table broadbeans (Fava vulgaris Moench var. major Harz) and preliminary observations on *deep-freezing* of their **beans.** 038462
The *freezing* **behaviour** and texture of an "in home" frozen dessert. 032757
Freezing times for **blocks** of fish in vertical plate freezers. The effect of contact area and block density. 032743
A study on the average yield of different species of prawns used for *freezing* and **canning.** 032791
Heat transfer and *freezing* **capacity** of foodstuffs in household freezers. 032744
Quality of on-board frozen tuna meat with reference to freshness of the fish and the *freezing* **conditions.** 032752
Computer simulation of ice **cream** *freezing*. 032949
Deep *freezing* of sheep embryos. 034682
Conservation of eggs of Graphosoma lineatum L. Bug by the method of **deep** *freezing* and their possible use to destroy eggs of harmful corn bugs. 039302
Stability of *freeze* **dried** vaccines against Marek's disease. 034991
Advances in the theory of ice sublimation *[Freeze* **drying].** 032737
Freeze **drying** of fishery products. V. Storage characteristics of ready-to-serve freeze dried foods. 032796
Experimental results from a study on the use of liquid nitrogen for **fish** *freezing*. 032742
Some European developments in the chilling and *freezing* of **fish** at sea. 032755
A study on water vapour trapping during *freeze-drying* **[Food].** 032735
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the cockroach [Periplaneta americana] maxillary palp as revealed by *freeze* **fracturing.** 039673
Theoretical model of the repulsion of a particle by a *freezing* **front** in movement and experimental study [Food technology]. 032759
Studies of the *freezing* of **green** plantains (Musca paradisiaca). IV. Effect of cold storage on the quality of frozen sliced green plantains. 033418
Spatial variation of the snow cover height and the depth of *freezing* of **Grey** forest soils under conditions of Pridesnyanskaya highland. 040745
Industrial *freeze-drying* [of food]. 032839
The mechanism of the passage of rarified gases in **materials** during *freeze-drying*. 032758
Freeze-fracture **morphology** of gap junctions in the trophoblast of the mouse embryo. 034086
Effect of stacking and *freezing* on the **muscle** qualities of red salmon (Oncorhynchus nerka) [Fish]. 032741
Drying time calculation for ice granulates in a **plate** *freeze-dryer*. 032740
Heat transfer coefficients in **plate** *freezing:* the effect of packaging materials [Foods]. 032745
Thermophysical properties of frozen lemon juice related to *freeze-drying* **problems.** 033354
Influence of *freeze* **rate,** thaw rate and glycerol level on acrosomal retention and survival of bovine spermatozoa frozen in French straws. 034664
Freeze drying of fishery products. V. Storage characteristics of **ready-to-serve** *freeze* dried foods. 032796
Ultrastructural analysis of the *freeze-etched* **spore** envelope of the microsporidian, Nosema apis Zander [Disease of honeybee]. 040297
Spray *freezing* and some properties of frozen [food] products. 032756
Effect of water crystallization on spermatozoids during *freezing* of **[stallion]** semen. 034808
Biochemical differences between the fed and white meat of tuna and changes in quality during *freezing* and **storage.** 032792
A *freeze-fracture* **study** of adult Calliphora salivary glands. 039937
The microscopic study of vegetable tissue during *freezing* and **thawing.** 033351
The structure of peaches and Aesculus pavia after various *freezing* and **thawing** treatments. Relation with quality. 033352
Evaluation of high-moisture forrages with ruminants. II. Changes in the chemical composition of herbage after *freezing* and **thawing.** 033561
Supervision of **tinned-foods** *freezing;* experience in Rostockregion [Meat and sauce meals]. 033098
Cooling and *freezing* times and **weight** losses of meat under U.k. [United Kindgom] commercial conditions. 033047

FREIGHT
Loading **railroad** *freight* cars with various lumber products. 035810

FRESHNESS
Quality of on-board frozen tuna meat with reference to *freshness* of the **fish** and the freezing conditions. 032752

FRESHWATERS
A fluorometric technique for measuring sinking rates of *freshwater* **phytoplankton** [Algae]. 037085

FRICTION
Smoke production with the *friction* **smoke** generator [Meat processing]. 033067
On the behaviour of the coefficient of **static** *friction* under vibration [Wood cutting]. 035769

FROGEYE
Influence of weather on *frogeye* **leaf** spot [Cercospora nicotianae] incidence on cigarette tobacco. 038696

FROGS
Operculate Discomycetes from *Rana* **(Norway).** 1. Chalazion sociabile gen. nov., sp. nov. [Fungi]. 036083

FRONDS
Microgramma piloselloides with furcate **fertile** *fronds* [Pteridophyta in Costa Rica]. 036261

FRONT
Effect of roughness of the *front* **edge** of cutters on striking strength of cutting elements [Wood processing]. 035808
Theoretical model of the repulsion of a particle by a **freezing** *front* in movement and experimental study [Food technology]. 032759

A contribution to determining the forces used by drinking calves to the *front* **wall** of the single box and during the shift. 040313
Constructional design of the *front* **walls** of rearing stalls with large trough for sows with litter. 040317
A suitable transition curve to the forest road—the locus of the *front* **wheel** of the truck. 035566

FRONTELLA

Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on **Agromyza** *frontella* Rondani (Diptera, Agromyzidae). 040157

FROST

Frost **conditions** in the soil of the control field in Schleswig. 040849
Protecting the sugarcane **crop** from *frost.* 039007
Critical temperature for *frost* **damage** at sprouting stage in Satsuma orange. 039046
Early *frost* damage on Sitka spruce [Picea sitchensis] seedlings and the influence of phosphorus nutrition. 035472
Making better use of *frost* **forecasts** [Citrus]. 038970
Researches **regarding** *frost* injury on tea plants in ShizuokaPrefecture in 1972. 039047
Frost **resistance,** winter hardiness and yield of winter wheat relative to its moisture and nutrition conditions. 037604
Study of *frost* **resistance** and regenerative ability of certain white wine varieties of grapes grown with high-training in the Pleven District. 037726
Frost **resistance** of new apricot varieties. 037841
On the causes of various *frost* **resistances** of grapes under earth coverings. 037843
Tests of the concept of **secondary** *frost* heaving [of soil]. 040777
The effect of the forest upon the frequency and occurence of **slight** *frosts* in spring. 035491

FROZEN

Frozen **apples.** 038974
Formation of malonaldehyde in *frozen* **Baltic** herring and itsinfluence on the changes in proteins. 032920
Studies on the estimation of the hygienic condition of *frozen* **broiler** chickens [Escherichia coli, Enterobacteriaceae]. 032088
Effect of glycerol solvent on the activity of *deep-frozen* **bull** [semen] ejaculates. 034854
Estimation of contamination of *deep-frozen* **bull** semen. 034855
Keeping quality of *frozen* **chickens** and chicken portions, time-temperature-tolerance and nature of packaging tests. 033125
Your guide to *frozen* **convenience** foods; 1975 frozen foods fact file, part 2. 032702
Cooking *frozen* and thawed roasts: beef, pork, and lamb cuts. 032640
Deep-frozen **essential** oils [Citrus]. 033363
Quality problems of **fish** *frozen* aboard. 031975
A comparison of bacteriological methods of examining the hygienic status of *frozen* **fish** products. 031994
Spray freezing and some properties of *frozen* **[food]** products. 032756
Frozen **[food]** products. III. Factors influencing the quality of frozen products. 032903
Your guide to frozen convenience foods; 1975 *frozen* **foods** fact file, part 2. 032702
Investigations on heat transfer of model substances with regard to thawing and heating of *frozen* **foods.** 032748
On the thermophysical parameters of *frozen* **foodstuffs.** 032751
The freezing behaviour and texture of an "in **home**" *frozen* dessert. 032757
Thermophysical properties of *frozen* **lemon** juice related to freeze-drying problems. 033354
Drying of **meat** *frozen* under vacuum in a liquid cooling medium. 033048
Physical guide values for meat technology. I. 1. Fresh meat. 2. *Frozen* **meat.** 3. Frankfurter-type sausages. 033063
Biological structure of poultry **meat** *frozen* in liquid nitrogen and in air. 033122
Quality of **on-board** *frozen* tuna meat with reference to freshness of the fish and the freezing conditions. 032752
Transport of water and heat in a *frozen* **permeameter** [Soils]. 040783
Heat transfer with regard to thawing and heating of *frozen* **prepared** foods. 032747
Why Ben Hudik went *frozen* **preplate.** 032531
Frozen [food] products. III. Factors influencing the quality of *frozen* **products.** 032903
The effects of high tris, low glycerol and low tris, high glycerol on *frozen* **ram** spermatozoa. 034799
Studies of the freezing of green plantains (Musca paradisiaca). IV. Effect of cold storage on the quality of *frozen* **sliced** green plantains. 033418
Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of bovine **spermatozoa** *frozen* in French straws. 034664
Application of quantitative television microscopy for **studying** *frozen* meat structure. 033046
Comparison between refrigerated sea water (with or without added carbon dioxide) and ice as storage media for fish to be **subsequently** *frozen.* 032739
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from *frozen* and **thawed** states. 032250
Thawing *frozen* foods. 032787
Turf-taiga *(frozen-gley)* soils. 040608
Microscopic structure of *frozen* **vegetable** products: an aspect of practical interest. 033348
Structural modifications in *frozen* **vegetables.** 033349

FRUCTOSE

Fructose **1,6-bisphosphate** aldolase activity of Rhizobium species [Nodule bacteria from lupine, peanuts and cowpeas]. 036947
Properties of spinach **chloroplast** *fructose-1-6-diphosphatase.* 037808
New [food] sweetener's big potential *[Fructose* **glucose** syrup]. 032805
Control of rabbit **liver** *fructose-1,* 6-diphosphatase activity by magnesium ions. 034024

FRUIT

Fruit **abscission** in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. 037777
Assimilation of benzene from the **atmosphere** by *fruits.* 037635
Developmental trends and future aspects of **Austrian** *fruit* culture. 031818
Analyses of **authentic** *fruit* juices of the 1974 vintage. 033430
The penetration of females of the *fruit* **bark** beetle Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Guanosine metabolism and regulation of *fruiting* **body** construction in Dictyostelium discoideum [Fungi]. 037239
Canned *fruit:* world production and trade statistics. 031759
Production of **canned** *fruit* in Europe [Statistics]. 031762
Modifications and amendments to the standards for **canned** *fruits* in the German Food Codex. 032047
Standards for **canned** *fruit* in the German Food Codex. 032050
World demand prospects for bananas and **citrus** *fruits,* the effect of prices and income on the growth rate of consumption. 031736
Spectrophotometric determination of vitamin C in **citrus** *fruits* using peri-naphthindan-2,3,4-trione. 032245
The use of multipurpose ship's refrigerated spaces for the intransit sterilisation of **citrus** *fruit* to Japan. 033353
Composition and qualith of commercial orange juices. 1. Bottled orange juices sold in European countries not producing **citrus** *fruit.* 033362
On the occurrence of derivatives of hydroxycinnamic acids, hydroxybenzoic acids, and hydroxycounmarins in **citrus** *fruits.* 033486
Economic advantages of using **citrus** *fruit* peels for feeding [Cattle]. 034362
Research on the physiology of **citrus** *fruit.* 037717
Studies on the quality of **citrus** *fruits.* III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in Satsuma mandarin oranges. 037757
Detachment and shedding of **citrus** *fruit.* 038339
Citrus *fruit* in Israel. 038380
A circular paper technique for study of microbial growth [Aspergillus niger, Penicillium digitatum, **citrus** *fruits].* 038735
Use of Ough's method to determine proline in light and highly **colored** *fruit* juices and their concentrates [Adulteration]. 032132
Vegetables and *fruits* in the **consumers** index. 1. 031738
Heat exchange during **cooling** *fruit* and/or vegetables in stacks or in bulk. 033347
Pollination of *fruit* **crops.** 037879
Pollination and the timing of *fruit-set* in **cucumbers.** 037736
Process, organization problems in *fruit* **culture.** 031290
Hans Spreng, 1901-1975, a pioneer of *fruit* **culture** and utilization [Horticulturists]. 038337
Mechanized harvesting of plums for processing; results of trials with a prototype [of machinery] constructed by the Institute of *Fruit* **Culture** of the University of Bologna. 038384
Effect of abnormal climate on *fruit* **culture.** 038396
1974 pollination prevention experiment in *fruit* **culture** [Apis mellifera, wind]. 040183
Controlling apple diseases without **damaging** *fruit* set. 038994
Keeping quality of fresh **date** *fruits* as affected by cultivar and storage temperatures. 033361
Ripening of **date** *fruits* as affected by ethephon. 038292
The extent of Shamouti orange contamination with green moldand its effect on *fruit* **decay.** 038632
On the benzpyrene content in **dried** *fruits* treated in a Soviet-made tunnel drying oven. 033483
The oviposition and development of the grain beetle Oryzaephilus mercator faur. on **dry** *fruit* meals (Coleoptera, Cuciyidae). 039422
Dynamics of the formation and fall of *fruit* **elements** in different cotton varieties and forms. 037571
Importance and fundamentals of forecasting the **expected** *fruit* size of apples. 038310
Strawberries: harvesting ideas from America's **favorite** *fruit.* 032638
Development of the **Finnish** *fruit,* berry and vegetable processing industry in 1974. 031853
Forecast for use of *fruit* and **flavors** in cultured [dairy] products. 032939
Investigation of synchronous and parallel changes in the gene pools in natural populations of the *fruit* **fly** Drosophila melanogaster. 039920
Canada, a producer of **fresh** *fruit* [Supply, marketing]. 031652
Who needs rail transportation? **[Fresh** *fruits* and vegetables]. 031673
Palletization or unitization in the transportation cycle [of **fresh** *fruits* and vegetables]. 033399
Palletization-unitization of **fresh** *fruits* and vegetables. 033400
Foreign trade in *fruit* in 1974. 031653
The control of moulds on avocado and its effect of the change in the flora of pathogenic **fungi** on the *fruit.* 038624
Citrus: **golden** *fruit* on the menu yields gold. 032629
On crystals in the *fruits* of **Grewia** subinaequalis. 036335
Seasonal notes for *fruit* **growers.** 038344
The development of intensity in *fruit* **growing** [Costs]. 031456
Application of antitranspirants in *fruit* **growing;** preliminary optic and scanning microscopic reliefs. 037836
Fruit **[growing]** in interior districts. 038418
The use of organic fertilizers in *fruit* **growing.** 040942
Thiabendazole—storage of **guava** *fruits* [Fungus disease control]. 038717
An unusual flowering and *fruiting* **habit** of grapefruit in the Khuzestan area of Iran. 037727
Results of fertilization research applied to the develpment of the **Havel** *fruit* growing area. 040939
Grow karonda [Carrissa carandas] for *fruit* and as a **hedge.** 038433
Efficient utilization of storage capacity, the basis of highly effective **investment** *[Fruit].* 033373
The **Italian** *fruit* and vegetable processing industry in 1974. 031860
Free amino acids of enzymically brightened *[fruit]* **juices.** 033439
Stacking nine **large** *fruit* boxes one above the other in storehouses. 033378
Studies on beta-carotene and lycopene content in the *fruits* of **Lycopersicon** esculentum Mill. X Lycopersicon chilense Dun. hybrids [Tomatoes, breeding]. 036628
Structural aspects of the **marketing** of *fruits.* 031538
General and specific combining ability for **mean** *fruit* weight in a tomato (Lycopersicon esculentum Mill.) diallel cross. 036474
Isolation and characterization of a proteinase from the sarcocarp of **melon** *fruit.* 037765
Biochemical effects of bromelins. Their therapeutic use **[Metabolites** of *fruits].* 033371
In search of **new** *fruit* varieties: nectarines. 038239
New *fruit* pests: the oriental fruit moth, Grapholitha (Laspeyresia) molesta Busch, on the peach tree. 039311
Ethylene-releasing compounds to loosen **olive** *fruits* for mechanical harvesting [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. 038362
Pruning in *fruit* **orcharding.** 038338
Control of snow and field mice injuries to *fruit* **orchards** [Grapes, persimmons]. 039023
New fruit pests: the **oriental** *fruit* moth, Grapholitha (Laspeyresia) molesta Busch, on the peach tree. 039311
Studies on the constituents of *fruits* of **Paederia** chinensisHance. II. 037075
Earliness of production of the purple **passion** *fruit* Passiflora edulis Sims. in Reunion. Prospects for production. 038300
San Jose scale [Aspidiotus perniciosus, *fruit* **pest** control, Uruguay]. 039319
Bionomics of the anthonomine weevils [Anthonominae, **pests** of *fruits].* 039317
Synthesis and laboratory and field evaluation of a new, highly active and stable insect growth regulator [for control of *fruit* **pests].** 039342
The situation in the San Jose scale (Quadraspidiotus perniciosus Comst.) areas of Baden-Wurttemberg twenty years after releasing Prospaltella perniciosi Tow. *[Fruit* **pests,.** 039373
Bionomics and management of Rhagoletis *[Fruit* **pests].** 039618
Response of **plant** *fruiting* to hydrogen fluoride fumigation [Pollution injuries]. 038958
Experience from the operation of a permanent mixing an filling station for plant protection in *fruit* **plantations.** 038981
[Negative] changes in stored **pomaceous** *fruit* [Storage diseases, apples, pears]. 033408
Experience regarding the organization of **pome** *fruit* harvest in large-scale horticulture. 031286
Diseases and physiological damage to leaves of **pome** *fruit.* 038980
Aspects of the **Portuguese** *fruit* and vegetable processing industry in 1974. 031852
Preparations and **preserved** *fruit* and vegetable products for imports into the area of the Organization for Economic Cooperation and Development. 031657
Hydrolised starch products in *fruit* **processing.** 033390
Economic results of the development of the member enterprises of the "Halle-Saale-Obst" cooperation association *[Fruit* **production].** 031284
Effect of pruning severity on the growth and *fruit* **production** of 'Thompson Seedless' grapevines. 038245
Changes in amino acids, carbohydrates and capsaicin content of **red** *fruits* of chillies infected with Colletotrichum piperatum. 038676
Role of *stem-fruit* **relation** in the after-ripening process of red peppers. 037616
Relative *fruit-bearing* of apple tree varieties. 038475
Fruit **research,** 1974. 038507
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin *[fruit* **ripening** inhibitor] tomato mutant [in storage]. 033388
Fruit **roses** with a high content of vitamin C [Rosa rugosa, Rosa canina, Rosa damascena, breeding, varieties]. 038557
A new Pestalotiopsis [versicolor] *fruit* **rot** of Achras sapota from India. 038670
Role of saponins in antifungal resistance. II. Tomatin dependent development of *fruit* **rot** organisms on tomato fruits. 038845

Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to *fruit* in **Satsuma** mandarin oranges. 037757
On the phenolic acids of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of *fruit* and **seed** vegetables. 033488
Fruit, **seed,** and myrmecochorous dispersal in Micrantheum (Euphorbiaceae). 036334
The *fruits* and **seed** productivity in Xanthorrhoea. 037238
The *fruits,* **seeds** and seedlings of Malayan trees. I-XI. 036060
A study on the number of ovules per *fruit* **set** in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. 036472
General and specific combining abilities for percent of *fruit* **set** in a tomato (Lycopersicon esculentum Mill.) diallel cross. 036473
Flowering and *fruit* **set** of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
Effects of SADH [Alar] fall sprays on the *fruit* **set** and yield of pear. 037837
Defoliation [with urea] and *fruit* **set** in guava. 038361
Selectivity in xylem to phloem transfer of amino acids in *fruiting* **shoots** of white lupin (Lupinus albus L.). 037530
The effect of temperature on strains of **soft** *fruit* spoilage fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Diseases and pests of **special** *fruit* crops. II. 038979
Observations on the characteristics of the nectar glucide fraction of 5 *fruit* **species** [Prunus]. 037634
Effect of growing season and different storage temperatures on the keeping quality of **squash** *fruits.* 033360
Raw stuff bulk and morphine content of soporific poppy (Papaver somniferum L.) as affected by the *fruit* **stalk** length. 037830
Roundup—the end of perennial **weeds** [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [**Stone** *fruits,* grapes]. 039104
Fruit **storage** problems in the People's Republic of Bulgaria. 033374
Annotated bibliography on low pressure (hypobaric) **storage,** 1968-1973 *[Fruits].* 033444
Larger boxes for higher efficiency and lower costs [for **storing** *fruit].* 033375
Research on **subtropical** *fruit* trees. 038341
Extraction and purification of tRNA from *fruit* **tissues** [of tomatoes, pears, and apples]. 037805
Effect of picking stage on free amino acids content in **tomato** *fruits* during storage at chilling and non-chilling temperatures. 033344
Varietal variations in the physical characteristics and chemical constituents of the *fruits* of **tomato** (Lycopersicon esculentum Mill). 037747
Light-dependent carotenoid synthesis in the **tomato** *fruit.* 037759
Post-harvest decay of *fruits* of **tomato** caused by Cylindrocladium scoparium. 038706
Role of saponins in antifungal resistance. II. Tomatin dependent development of fruit rot organisms on **tomato** *fruits.* 038845
Weed control in a *fruit* **tree** nursery with herbicide-impregnated string. 039130
The role of predatory mites [Typhlodromus occidentalis] in mite control on **tree** *fruits.* 039366
Resistance to acaricides of outdoor populations of the *fruit* **tree** spider mite Panonychus ulmi (Koch) on grapes. 039369
Pollination of *fruit* **trees** [by bees]. 037637
Winter hardiness of endemic and introduced [ornamental and *fruit]* **trees** in the southern Far East. 037856
Adequate planting and tending of *[fruit]* **trees** for early and high crop yields in new plantations. 038303
A new possibility of permanently tying *[fruit]* **trees** in dense plantings. 038478
A cossid [Xyleutes punctifer] attacking citrus and other *fruit* **trees** [West Indies]. 039356
Fertilization of *fruit* **trees.** 041075
Nitrogen nutrition for *fruit* **trees.** II. Sour cherry (Prunus cerasus). 041108
"Summerred" and "Aroma" pointed out as other *fruit* **varieties** [Apples]. 038329
Fruit and **vegetable** processing industry in Turkey [Economic aspects]. 031196
Fruit and **vegetable** products in foreign trade in the first semester of 1975. 031655
Regulation of the European Economic Committee with third countries for *fruit* and **vegetable** products [Imports, prices]. 031658
Increasing the marketability of *fruit* and **vegetable** products. 031741
Fruit and **vegetable** processing in Germany in 1974 (Statistics). 031761
Development of the *fruit* and **vegetable** processing industry in Greece. 031854
Fruit and **vegetable** processing industry in Austria in 1974. 031855
Fruit and **vegetable** processing industry in Spain. 031856
Fruit and **vegetable** processing industry in Israel. 031857
The *fruit* and **vegetable** processing industry of the Netherlands in 1974. 031859
Fruit and **vegetable** [shipping] container guide. 033370
Nature and application of pectinases with special reference to *fruit* and **vegetable** processing industry. 033394
Refrigeration equipment [in *fruit* and **vegetable** delivery]: how it works, what it does. 033404
Basic and purchase prices for *fruit* and **vegetables** for the 1975/76 fiscal year [European Economic Community]. 031651
A realistic look at unitization for the produce industry *[Fruits* and **vegetables,** transportation equipment]. 031664
Containers for storage and transport of *fruit* and **vegetables** [Research projects, Italy]. 031675
International standardization of *fruits,* **vegetables** and their derived products [Grading]. 031983
Business stipulations for trade with *fruit* and **vegetables** [Quality control]. 032046
Annotated bibliography on the use of light (UV [ultraviolet], visible and IR [infrared]) in assessing the quality, maturity or defects in *fruit* and **vegetables,** 1967-1974. 033445
Evaluation of the precision of measuring respiration intensity of different plant species *[Fruits* and **vegetables].** 037614
Growth regulators in control of post-harvest fungal diseases of *fruits* and **vegetables.** 038689
Structures for plant production. 2. [Storage, *fruit,* **vegetables].** 040373
On dependence of *fruit* **weight** upon the number of seeds in pear trees. 036366
The establishment of standards for a set extract is an important way of controlling the quality of *fruit* **wines.** 033478
Effect of products of thermophilous methane fermentation on the fermentation of *fruit* must by the **yeast** Saccharomyces vini. 033438
What's new with **yogurt** *fruits* and flavors and other cultured products. 032942

FRUITFULNESS *see* FERTILITY

FRULLANIA

New sesquiterpene lactone and aldehyde of *Frullania* **tamarisci** subsp. obscura (Hepaticae). 037294

FRYING

Differences in total lipid and fatty acid composition of doughnuts as influenced by lecithin leavening agent, and use of *frying* **fat.** 032196
Deep **fat** *frying* & hospitals. 032622

FUCHSIAS

The evolution of subdioecy in morphologically gynodioecious species of *Fuchsia* **sect.** Encliandra (Onagraceae). 036488

FUCOSE

Isolation and characterizaton of a ganglioside **containing** *fucose* from boar testis. 034028

FUELS

Renewable resources [wood] for the production of *fuels* and **chemicals.** 035861
Can agriculture provide an answer to the U.S. Energy **crisis?** *[Fuel].* 031907
Energy options for the future: **"The** energy **crisis"** *[Fuel].* 040385
Measures for **economical** *fuel* consumptions in the plant production cooperative **"Karl Marx"** Glauchau. 040321
Fuel **economy** during flight of the dragonfly pantala flavescens (F). 039803
Note on occurrence of Cladosporium resinae [Fungi] in New Zealand **jet** *fuel.* 037129
Prescribed burning: prescribed fire is a practical, inexpensive form of *fuel* **management.** 035658
Biochemistry of insect flight. 1. Utilization of *fuels* by **muscle.** 039770
Agricultural production and energy **resources** *[Fuels].* 040336
Saving *fuel.* 8. [Horticulture]. 031384
Biochemitry of insect flight. 2. *Fuel* **supply.** 039771

FUMARASE

The invivo effects of phytohemagglutinins on ATPase [adenosine triphosphatase] and *fumarase* **enzymes** in the rat. 034197

FUMIGANTS

Studies on the characteristics of *fumigants.* III. **Emergence** at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from stored beans afer fumigated with hydrogen phosphide. 039423
Effects of the granular **soil** *fumigant* Basamid on germination, growth, weed control, and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578

FUMIGATION

Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from stored beans **afer** *fumigated* with hydrogen phosphide. 039423
Skin reaction and macrophage migration inhibition tests for polysaccharides from **Aspergillus** *Fumigatus* and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
A contribution to the occurrence of fetal hepatopathies in cattle [Infectious diseases, **Aspergillus** *fumigatus].* 035257
Effect of tweens on the production of ergot alkaloids by **Aspergillus** *fumigatus* [Fungi]. 036946
Methyl **bromide** *fumigation.* I. Effect of high dosages on breadmaking quality and germination of wheat. 033206
Fumigation with **D-D** or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
Fumigation with **D-D** or Telone on soils prone to Docking disorder. II. Effects on numbers of Trichodorus spp. and Longidorus spp. (Nematoda). 038954
Response of plant fruiting to hydrogen **fluoride** *fumigation* [Pollution injuries]. 038958
Some useful tips on *fumigation* of **foodgrains** [Storage pests, control]. 039435

FUNARIA

Electron-cytochemical study in localization of glucose-6-phosphatase activity of cytoplasm of *Funaria* **hygrometrica** cells. 036365
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration *[Funaria* **hygrometrica,** musci, Trentepholia umbrina, Pleurococcus vulgaris, algae]. 037281
The loss of the ability for the transfer of cryptobiosis (anabiosis) in poikiloxerophyte **moss** *Funaria* hygrometrica. 036917

FUNDS *see* FINANCE

FUNGICIDES

Inhibition of *fungicidal* **action** of cyano (methylmercuri) guanidine by cysteine and glutamic acid [of Sclerotium rolfsii]. 038697
Fungicidal **activity** of N-chloroacyl benzylamines. 038838
An isolate of the pear scab fungus, Venturia pirina, tolerant to **benzimidazole** *fungicides.* 038630
Systemic character of **benzimidazolic** *fungicides* [Translocation in plants]. 038730
Easter lily root rot **control** *[Fungicides].* 038616
Fungicidal **control** of powdery mildew [Erysiphe polygoni] ofBrassica juncea. 038651
Fungicidal **control** of secondary air-borne infection of brown leaf spot of rice [Cochliobolus miyabeanus]. 038652
Evaluation of *fungicides* for the **control** of gram [peas] blight [Ascochyta rabiei]. 038687
Evaluation of *fungicides* for the **control** of black spot [Diplicarpon rosae] of rose. 038784
Composition of soil and coffee leaves on plantations under varying **copper** *fungicide* spraying regimes. 038823
Behavior and fate of ethylenethiourea in plants [**Dithiocarbamate** *fungicides,* residues, vegetables]. 039555
Effect of antibiotics & *fungicides* on **endogenous** mycelial respiration & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Timing of [winter rye] seeds treatment [with *fungicide* **granozan].** 038849
In vitro evaluation of *fungicides* against **Helminthosporium** spiciferum the causal organism of blight of cotton. 038655
Microbial degradation of plant protection chemicals [Pesticides, **herbicides,** *fungicides].* 039549
Fungicide **injection** for the control of Dutch elm disease [Ceratocystis ulmi]. 038618
Studies on the compatibility of foliar application of urea with weedicide, *fungicide* and **insecticide** in upland rice. 040909
Experiments with *fungicides* and **insecticides** in agricultural crops 1974. 039066
The selective effect of protecting substances *[fungicides]* on the **microflora** of grapes. 038746
New *antifungal* substance from Alpinia officinarum Hance. 038641
Translocation of foliar applied radioactive *[fungicide]* **nickel** in wheat plants. 038718
Biological and biochemical considerations in the use of selective and **nonselective** *fungicides.* 038638
Screening of systemic and **non-systemic** *fungicides* against Fusarium oxysporum causing foot and root rot of wheat. 038714
Technical and sanitary aspects on the control of brown rot [Monilia] of peaches and plums *[Fungicide* **residues].** 038727
Role of saponins in *antifungal* **resistance.** II. Tomatin dependent development of fruit rot organisms on tomato fruits. 038845
Phytotoxicity and biological efficacy of *fungicides* with **special** consideration to the technique of application [Grapes]. 038637
Influence of various factors on the efficacy of two **systemic** *fungicides* for control of loose smut of wheat [Ustilago nuda tritici]. 038695
The effect of concentration, exposure time and age of plant on uptake and translocation of two **systemic** *fungicides* in soybeans [Macrophomina phaseolina, charcoal rot]. 038774
Systemic *fungicides*—their properties and application. 038781
Further use of **systemic** *fungicides* in lettuce cultivation. 038824
Further use of **systemic** *fungicides* in lettuce cultivation. 2. 038825
Resistance of Botrytis cinerea to **systemic** *fungicides* in the valley of the Mosel and Saar [Grapes]. 038829
Evaluation of a number of **systemic** *fungicides* for the control of Typhula incarnata in winter barley. 038837
Possibilities and limitations of the use of **systemic** *fungicides.* 038844
Fungicide **treatments** for winter crops [Grain]. 038741
ADAS survey of mushroom diseases and *fungicide* **usage** 1974/5. 038747
Chinoin Fundazol *[fungicide]* 50 **WP** spray [Sugarbeets, Cercosopora]. 038600
Results of a cytogenetic investigation of workers exposed to the *fungicide* **zineb.** 039594

FUNGITOXICITIES

Fungitoxicity and **insecticide** synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529

FUNGUS

Indian species of Ravenelia. I. On **Acacia** *[Fungi].* 036027
Free intracellular amino acids of the mycelium of Aspergillus oryzae *[Fungi]* and **acid** proteinase synthesis. 036771
Studies in the Aphyllophorales of Africa. 2. Some new species from East **Africa** *[Fungi].* 036092
Studies in the Aphyllophorales *[Fungi]* of **Africa.** IV. Antrodia juniperina, new for East Africa. 036161
Some physical characteristics of the enzymes of L-tryptophan biosynthesis in higher plants [Peas and maize compared to *fungi* and **algae**]. 037204
Aquatic *fungi* of Scandinavia: some ornamented chytrids fromsouthern Norway. 036077
Conidia in the foam of two English streams **[Aquatic** *fungi].* 036153
Ecological consideration on some terrestrial and **aquatic** *fungi.* 036213
The possible significance of variations in the mitotic systems of the **aquatic** *fungi* (phycomycetes). 036277
Microbial hydroxylation of steroidal delta 3,5 enol acetates [Rhizopus **arrhizus,** *fungi].* 037292
Influence of various carbon souces and temperature on lipid composition of Rhizopus **arrhizus** *[Fungi].* 037318
A new species of Monochaetia [dimorphospora, *Fungi]* with **arthroconidia.** 036150
Correlatin between activity of nitrogen mustards in alkylation reactions and their mutagenic activity on *fungi* **[Aspergillus** nidulans]. 036666
Rapid selection of microorganisms forming extracellular lipases **[Aspergillus,** *fungi].* 037122
The effect of polyethylenimine on some *fungi* **[Aspergillus,** Chaetomium, Paecilomyces, Penicillium]. 037328
Synthesis of pulvinones, metabolites of *[fungi]* **Aspergillusterreus** and [larch mushroom] Suillus grevillei. 036867
Systems of disc electrophoresis for studying acid proteinases [Aspergillus **awamori,** *fungi].* 036902
Nutrient media for the lipase synthesis by Aspergillus **awamori** *[Fungi].* 037226
Thermal and hydrogen-ion concentration stability of the enzymic preparation of hemicellulase from Aspergillus **awamori** 16-4E *[Fungi].* 037232
Interactions of nematodes with other pathogens *[Fungi,* **bacteria]** attacking plants in the Western States. 039065
Pesticide degradation [by soil microrganisms, especially the *fungi* and **bacteria].** 039569
Characteristics of transglucosilase from Aspergillus **batatae** *[Fungi].* 036826
Phototaxis of the Myxomycetes *[Fungi]:* **Behaviour** of old plasmodia in white light [Physarum nudum]. 036847
Conditions for splitting protodioscine, the main glycoside from Tribulus terrestris L. by the enzymic preparation of Aspergillus niger **BKMt-33** *[Fungi].* 037210
Study of the dynamics of formation of the surface membrane in isolated microdroplets of cytoplasm of Phycomyces **blakesleeanus** *[Fungi].* 036307
A gene action for avirulence partially affected by mutation in rice **blast** *fungus* [Pyricularia oryzae]. 038571
Polysaccharide-degrading ability of rice **blast** *fungus* [Pyricularia oryzae] of a different pathogenicity and virulence. 038573
Extracellular alkaline ribonuclease of Penicillium **brevicompactum** *[Fungi].* 036770
A comparative study of the wood destroying capacity in vitro of some **butt-rot** *fungi* in spruce [Picea abies]. 038609
Hyphal wall growth in Neurospora crassa and Geotrichum **candidum** *[Fungi].* 037050
The first epoxycarotenoid in a fungus: possible taxonomic marker for **cantharelloid** *fungi.* 036163
Developmentally regulated proteins of the plasma membrane of Dictyostelium discoideum. The **carbohydrate-binding** *protein[Fungi].* 037056
High-temperature production of protein-enriched feed from **cassava** by *fungi.* 033503
Selective medium for the isolation of Serpula lacrimans *[Fungi,* **cause** of dry rot in construction wood]. 035888
Spoilage in feed quality **caused** by *fungi.* 033514
The biology and pathogenicity of *fungi* **causing** moulds on avocados after harvest. 038623
Purification and properties of a polyol dehydrogenase from Cephalosporium **chrysogenus** *[Fungi].* 037014
On the identity of Cercospora deightonii **Chupp** *[Fungi].* 036158
Isolation and properties of nonspecific intracellular ribonuclease of Aspergillus **clavatus** *[Fungi].* 037221
Physiological study of ergot **[Claviceps** *fungi]:* induction of alkalois synthesis by tryptophan at the enzymatic level. 037012
Detection of virus-like particles in the coremia of Penicillium **claviforme** *[Fungi].* 038893
Densities of bacteria and *fungi* in **coastal** surface films as determined by a membrane-adsorption procedure. 036233
Numerical taxonomy of Hypoxylon *[Fungi].* IV. **Comparison** of the cultural states of some applanate species of Hypoxylon with other members of the genus. 036157
Synthesis of polyadenylic acid-containing ribonucleic acid during the germination of Neurospora crassa **conidia** *[Fungi].* 037015
Spectral reflectance studies on healthy and *fungus-infected* **cotton** and corn plants in Egypt. 038757
The obligate macromycetes of sand dunes in Norway, with special regard to the occurrences on Lista, Vest-Agder **county** *[Fungi].* 035969
Morphology and growth kinetics of hyphae of differentiated and undifferentiated mycelia of Neurospora **crassa** *[Fungi].* 036324
Mutagenicity of actinomycin D in Neurospora **crassa** *[Fungi].* 036600
Specificity and regulation of peptide transport in Neurospora **crassa** *[Fungi].* 036788
On the mechanism of photoregulation or morphoses: light-depending carotenoid synthesis [Fusarium aquaeductuum, Neurospora **crassa,** *fungi].* 036798
Localization of enzymes in the cell walls of Neurospora **crassa** *[Fungi].* 036993
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an aromatic-amino-acid-synthesizing complex of Neurospora **crassa** *[Fungi].* 037241
Kinetic and biological properties of trehalose phosphate synthase from Neurospora **crassa** *[Fungi].* 037307
11beta-hydroxylation of progesterone with **Curvularia** *lunata[Fungi].* 036997
Mutants of Aspergillus nidulans lacking nicotinamide adenine dinucleotide-specific glutamate **dehydrogenase** *[Fungi].* 036561
Purfication and specificity of Aspergillus sojae DNase **[Deoxyribonuclease,** *fungi].* 037254
Microbiological degradation of lignin [Wood **destroying** *fungi].* 035860
Influence of Basidiomycetes *[Fungi]* on the **development** of neotenics in Heterotermes indicola (Isoptera). 039869
Isolation of ergosterol peroxide from Alternaria **dianthicola** *[Fungi].* 036791
The development of the relaying competence in **Dictyosteliumdiscoideum** *[Fungi].* 036322
Discovery of a 3',5'-guanosine monophosphate simulating factor in amoebae of Dictyostelium **discoideum** *[Fungi].* 036812
Evidence for the existence of two types of cAMP [cyclic adenosine-5'-monophosphate] binding sites in aggregating cells of Dictyostelium **discoideum** *[Fungi].* 036862
Enzyme activity changes during cyclic AMP [adenosine monosphosphate]-induced stalk cell differentiation in p4, a variant of Dictyostelium **discoideum** *[Fungi].* 037048
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium **discoideum** *[Fungi].* 037126
Guanosine metabolism and regulation of fruiting body construction in Dictyostelium **discoideum** *[Fungi].* 037239
Thiabendazole—storage of guava fruits *[Fungus* **disease** control]. 038717
Plant *[fungus]* **disease** toll is cut with resistant varieties. 038831
Main tasks on the area of *fungus* **disease** agents and abiotic disease phenomena [Grapes]. 038996
New wheat cultivars and longevity of rust resistance, 1971-75 *[Fungus* **diseases].** 038575
Linkage tests among genes for six qualitative characters in sunflowers *[Fungus* **diseases** resistance]. 038597
Use of benomyl in the storage of leeks *[Fungus* **diseases].** 038626
Seedling *[fungus]* **diseases** of sugarbeet and their chemical control 038716
Observations from a field trip to Sor-Trondelag, 19 August 1975 *[Fungus* **diseases** of economic crops]. 038742
Research concerning chemical control of storage rot in potatoes *[Fungus* **diseases].** 038743
Effective means are necessary for the control of *fungal* **diseases** [of sunflowers] 038848
From Trametes quercina to Formes fomentarius *[Fungi,* **dissemination].** 036045
Differential cleavate of Physarum *[Fungi]* **DNA** from distinct points of S phase by restriction enzyme Eco RI. 036930
Effect of cultural conditions on apothecial morphogenesis in Pyronema **domesticum** *[Fungi].* 036854
Microstructural and microchemical studies of wood decay of Casuarina equisetifolia by Fomes **durissimus** *[Fungi].* 035887
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus *[Fungi].* II. **Effects** of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
Indentification of *fungi* and their **effects** on animals [Mycotomins, feed]. 033564
Effect of polyoxin on *fungi.* II. **Electron** microscopic observations of spore germination of Alternaria kikuchiana Tanaka. 036768
Genetics and selection of the **entomopathogenic** *fungus* Beauveria bassiana (Bals.) Vuill. III. Study of heterokaryosis. 036676
Variants of artificial infection of Culex modestus larvae with the **entomopathogenic** *fungus* Coelomomyces iliensis. 039895
Genetics and selection of the **entomopathogenic** *fungus* Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. 039916
Effect of bacterial & *fungal* **extracts** & metabolic inhibitors on excystment of soil amoebae. 040659
A study of toxic effect of the strains of Aspergillus **flavus** *fungi* metabolites, isolted from Soviet-grown cereals. 032146
Mycotoxin synergism [Fusarium, Penicillium, Aspergillus, *fungal* **flora** on agricultural commodities, feedstuffs]. 032114
Contribution to the *fungal* **flora** of Kuwait. 036154
Fungi in **foods.** VII. A comparison of the surface, pour plate, and most probable number methods for enumeration of yeasts and molds. 032094
Tertiary **fossil** *fungi* from Kiandra, New South Wales [New taxa]. 036121
Dextranase of Penicillium purpurogenum **(Ftoll)** *[Fungi].* 036908
Effect of tweens on the production of ergot alkaloids by Aspergillus **fumigatus** *[Fungi].* 036946
Examination of the toxic effect of **Fusarium** *fungi* of maize. 038561
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans *[Fungi].* VI. **Genetic** analysis of uvs [ultraviolet sensitive] mutants. 036673
Glucose repression of the inducible catabolic pathway for pentitols in Rhodotorula **gracilis** *[Fungi].* 037305
Transmission of *fungus* **grape** diseases by willow twigs [Phomopsis viticola]. 038830
Formation and distribution of free amino acids in the mycelium of Cunninghamella elegans *[fungi]* during **growth** on mediawith glucose or dodecane. 037119
Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans *[Fungi,* **guinea** pigs, immunological responses]. 035138
Head *fungi* [Curyvularia lunata] of sorghum, phytotoxins andtheir effects on seed germination. 038690
Biosynthesis of ravenelin from [1-13C]-and [1,2-13C]-acetate **[Helminthosporium,** *fungi].* 037289
Type studies in the Polyporaceae. 6. Species described by W. J. **Hooker** *[Fungi].* 036095
Further investigations on the chemistry of *fungal* **"humic** acids". 040799
Studies on soil fungi. VII. Notes on some *fungi* from **Hyderabad** [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, Penicillium commune]. 036031
Isolation and existence of **imperfect** *fungi* in caves. 036122
The hibernation features of some **imperfect** *fungi* in Armenia. 036832
Some noteworthy ascomycetes from **India** *[Fungi].* 036024
Dematiaceous Hyphomycetes *[Fungi]* from **India.** II. [Torula caligans, Pithomyces chartarum, soils]. 036026
Phaeoisaria [clematidis]—a new recored from **India** *[Fungi].* 036030
Four new Octospora species from **India** *[Fungi].* 036079
New Cercospora species from West Bengal **(India).** V. *[Fungi].* 036081
Regulation of development in Dictyostelium discoideum *[Fungi].* I. **Initiation** of the growth to development transition by amino acid starvation. 036907
Biodegradation of litter in Eucalyptus pauciflora communities. I. Techniques for comparing the effects of *fungi* and **insects.** 036248
Insect mycophagy: a preliminary bibliography *[Fungi,* **insectvectors].** 038827
Nuclear DNA content and ploidy values in clonally-developed plasmodia of the myxomycete Didymium **iridis** *[Fungi].* 036415
Detection of aflatoxin B1 in silkworm [Bombyx mori] larvae attacked by an Aspergillus flavus *[Fungi]* **isolate** from a sericultural farm. 040201
Fungi **isolated** from discolored asphalt roofing shingles. 035699
Production of alkaloids and related substances by *fungi.* XII. **Isolation** of festuclavine and three new indole alkaloids, roquefortine A, B and C from the cultures of Penicillium roqueforti. 037006
A paramagnetic intermediate in the reduction of oxygen by reduced *[fungal]* **laccase.** 036929
Breeding biology of Coprinus species in the section **Lanatuli** *[Fungi].* 037316
Crystallographic data and circular dichroism spectrum of lipase from Geotrichum candidum **Link** *[Fungi].* 036328
Bibliography of distribution maps of *fungi.* V. **Lower** fungi (Phycomycetes) 1941-1974. 036005
Synthesis of some *fungal* **metabolites** with 4-methoxy-5,6-dihydro-2-pyrone structure. 037082
Pycnoporus cinnabarinus *[Fungi],* a **misunderstood** species ofthe ancients or polypore in view of extension in Belgium and the Grand Duchy of Luxembourg. 036072
Gasteromycetes *[Fungi]* from the **Mongolian** People's Republic [New taxa]. 036007
Proteases of Neurospora crassa: their role in **morphology** *[Fungi].* 036318
Mycoflora in **mushroom** compost. 037756
Isolation and characterization of a mitochondrially synthesized polypeptide from Neurospora crassa cni-1 **mutant** *[Fungi].* 036957
Chemical alteration of carotene biosynthesis in Phycomyces blakesleeanus *[Fungi]* and **mutants.** 036775
Establishing optimum conditions for deep cultivation of some Aspergillus oryzae *[Fungi]* **mutants** producers of amylase. 036919
Lipid and phospholipid extraction from *fungal* **mycelia.** 032840
Dextranase formation by **mycelial** *fungi* and actinomycetes [Chromogenes]. 037211
Estrogenic syndrome of *fungal* **nature** in cattle [Mycotoxicosis]. 035439
Notes on Calvatia (Lycoperdaceae). I. *[Fungi,* **new** taxa]. 036009
Byssochlamys verrucosa sp. Nov. *[Fungi,* **new** taxa]. 036151
Concerning Gyoerffyella Kol *[Fungi,* **new** taxa]. 036152
Redisposition and descriptions of some Amphisphaeria species and a note on Macrovalsaria *[Fungi,* **new** taxa]. 036159
Spiralum *[Fungi],* a **new** genus from Asia. 036160
Two remarkable polypores from India [Cystostiptoporus indicus, Coltricia bambusicola, *Fungi,* **new** taxa]. 036165

Note on occurrence of Cladosporium resinae *[Fungi]* in **New** Zealand jet fuel. 037129
Venturia asperata sp. Nov. And its Fusicladium state on apple leaves *[Fungi,* **new** taxa]. 038752
A modified minimal medium for Aspergillus **nidulans** *[Fungi].* 036991
Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of salicylic acid by Aspergillus **nidulans** *[Fungi].* 036992
Studies on the biosynthesis of aspergillin by Aspergillus **niger** *[Fungi].* 036778
Enzymic disintegration of pectines in the presence of amino acids and proteins [Aspergillus **niger,** *Fungi].* 037218
Zinc consumption from the nutrient medium by the cultures of Trichosporon capitatum and Aspergillus **niger** *[Fungi].* 037237
Some **parasitic** *fungi* on Cynodon dactylon from Varanasi. 036000
The low resolution structure analysis of an acid proteinase from Endothia **parasitica** *[Fungi].* 037059
Effect of initial pH [hydrogen-ion concentration] on aflatoxin production [Aspergillus **parasiticus,** *Fungi].* 036776
Problems of biochemistry of *[fungal]* **pathogenesis** and immunity in plants. 038807
The concept and circumscription of Ganoderma tornatum [and Ganoderma applanatum, *fungi* **pathogenic** in Palmae]. 036162
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its biological activity towards the plant **pathogenic** *fungus,* Phytophthora cinnamomi]. 037180
The control of moulds on avocado and its effect of the change in the flora of **pathogenic** *fungi* on the fruit. 038624
Incidence of **pathogenic** *fungi* on leaves [Sesame]. 038692
Occurrence of **pathogenic** *fungi* on trees incorrectly transplanted at an older age. 038744
A new 7-day spore sampler [for collection of airborne **pathogenic** *fungi].* 038760
Three suction-type spore samplers [for collection of airborne **pathogenic** *fungi].* 038775
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and *fungal* **pathogens**]. 037919
The absolute configuration of the amino acids in delta-(alpha-aminoadiphyl)cysteinylvaline from **Penicillium** *chrysogenum[Fungi].* 036805
Obtaining catalase in crystalline form) from the *fungus* **Penicillium** vitale Pifopl. et Bilai. 036910
Fungal **[Phellinus** tremulae] decomposition of sapwood and hearthwood of European aspen, Populus tremula L. 038610
Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the *fungus* **Phlebia** gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. 038814
Contribution to the study of cytokinin production by **phytopathogenic** *fungi* [Monilia, Cytospora]. 038579
Fungus **pigments.** XXIII. Tridentoquinone, a [13](3,6)Benzofuranophane from Suillus tridentinus (Boletales). 036865
The thermostability of two types of protoplasmic streaming in Physarum polycephalum *[Fungi]* **plasmodia.** 037323
Enhanced inhibition of RNA synthesis by amanitins in in vitro cultured cells [Amanita phalloides, **poisonous** *fungi].* 036925
Cycling aggregation patterns of cytoplasmic F-actin coordinated with oscillating tension force generation [Physarum **polycephalum,** *fungi].* 036300
Fluctuations in deoxyribo- and ribonucleoside triphosphate pools during the mitotic cycle of Physarum **polycephalum** *[Fungi].* 036816
DNA replication in homogenates of Physarum **polycephalum** *[Fungi].* 037022
The mitotic oscillator in Physarum **polycephalum.** *[Fungi].* 037078
DNA breakage caused by dimethyl mercury and its repair in a slime mould, Physarum **polycephalum** *[Fungi].* 037131
Restriction enzyme digests of the heavy nucleolar satellite deoxyribonucleic acid of Physarum **polycephalum** *[Fungi].* 037313
The first epoxycarotenoid in a *fungus:* **possible** taxonomic marker for cantharelloid fungi. 036163
Growth regulators in control of **post-harvest** *fungal* diseases of fruits and vegetables. 038689
Studies on the interaction between bottle-gourd mosaic virus and **powdery-mildew** *fungus,* Sphaerotheca fuliginea. 038913
The effct of iron on a high-yielding industrial strain of Penicillium chrysogenum *[fungi]* and **production** levels of penicillin G. 037045
Studies on *fungal* **products.** II. Animo acids in some species of Polyporaceae. 037071
Cell wall structure and mechanical **properties** of *Phycomyces[Fungi].* 036319
Fermentative conversion of sugarcane juice into *fungal* **protein.** II. Effect of different nitrogen sources, levels of ammonium nitrate and incubation period. 033243
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of cellulase, pectin-lyase, and acid **proteinase** *[Fungi].* 037253
Metabolism of trehalose and pullulan during the growth cycle of Aureobasidium **pullulans** *[Fungi].* 037308
Isolation of a **pure** *fungal* culture during cultivation of cells of Kochia americana. 037278
Non-dematiaceous mutant of Graphium **putredinis** *[Fungi].* 037319
The control of extracellular 1,3-beta-glucanase activity in the basidiomycete species **QM806** *[Fungi].* 037314
Purification and properties of polyol: NADP [niconinamide adenine dinucleotide phosphate] oxidoreductase from pichia **quercuum** *[Fungi].* 036731
Critical density for relaying in Dictyostelium discoideum *[fungi]* and its **relation** to phosphodiesterase secretion into the extracellular medium. 036320
Comparative analysis of the standard testing method for determining the *fungal-decay* **resistance** of wood preservatives to Basidiomycetes in the mamber countries of the Council for Mutual Economic Assistance. I. 035765
Rhizosphere *fungi* and nematodes of eggplant as influenced by oilcake amendments. 038711
Observations on the genus Lulworthia Suth. [A marine wood **rotting** *fungus],* its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [Tests with various kinds of woods]. 038625
Histochemical study of the hyphae and the distribution of adenosine triphosphatase in Dendryphiella **salina** *[Fungi].* 037317
The effect of salinity on sexual and asexual sporulation of members of the **Saprolegniaceae** *[Fungi].* 037320
The apical aparatus of the suboperculate ascus [Cytochemical and ulrastructural studies, *fungi,* **Sarcoscyphineae].** 036294
An isolate of the pear **scab** *fungus,* Venturia pirina, tolerant to benzimidazole fungicides. 038630
Tilletia sphagni, Helotium **schimperi,** or what? *[Fungi].* 036116
An inherited "neoplasm" in a *fungus* **[Schizophyllum** commune]. 036622
Seed-borne *fungi* of jute and their control. 038715
Detection of **seed-borne** *fungi* in sorghum and location of Fusarium moniliforme in the seed. 038789
Seed-borne *fungi* of sesame in Uganda. 038794
Seed-borne *fungi* of rice (Oryza sativa) in Nigeria [Drechslera oryzae, Pyricularia oryzae, Trichoconis padwickii]. 038795
Sorus ontogeny and sporogenesis in some **smut** *fungi* [Ustilago and Sorosporium on Gramineae]. 038577
Studies on **soil** *fungi.* VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, Penicillium commune]. 036031
Ethylene-induced volatile inhibitors causing **soil** *fungistasis.* 038754
Metabolism of aldicarb by five **soil** *fungi* [Degradation]. 039563
The correlation between the occurrence of both soil mites (Oribatei) and **soil** *fungi* in Qualubia Governorate. 039948
Properties of model humic acids synthesized by phenoloxidase and autoxidation of phenols and other compounds formed by **soil** *fungi.* 040633
Soil *fungi.* 040655
Studies on **soil** *fungistasis.* V. Effect of temperature, moisture content and incubation period. 040661
Optimization of the nutrient medium for the biosynthesis of phytotoxic metabolites of Myrothecium verrucaria VKMF-183 **[Soil** *fungi].* 040754
A new genus of Sordariaceae **[Sordariella,** *fungi].* 036025
Lentic moulds *[Fungi]* of **southern** Lake Winnebago. 036155
Oxidation of methanol and formaldehyde by a system containing alcohol oxidase and catalase purified from Candida *[fungi]* **sp.** N-16. 032711
Operculate Discomycetes from Rana (Norway). 1. Chalazion **sociabile gen.** nov., **sp.** nov. *[Fungi].* 036083
The effect of temperature on strains of soft fruit **spoilage** *fungi* [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Ultrastructural changes and a second mode of flagellar degeneration during ageing of phytophthora palmivora *[Fungi]* **sporangia.** 037023
Spectral and chemical characterization of *fungal* **[Sporormiaaffinis]** metabolite LL-N313zeta. 037066
A contribution to the occurrence of leaf **spot** *fungi* on Kentucky bluegrass (Poa pratensis L.). 038835
Vertical distribution of *microfungi* in a **spruce** [Picea abies] forest soil in the south of Sweden. 036166
Notes on **Stenella** *[Fungi].* 036156
Isolation of new metabolites from Aspergillus sydowi *[fungi]* and **structure** of sydowic acid. 036729
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans *[Fungi].* V. **Study** of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
Isolation of the acid-fast alpha-amylase of Aspergillus awamori *[Fungi]* and **study** of its properties. 036773
Structure of sydowinin A, sydowinin B, and sydowinol, metabolites from Aspergillus **sydowi** *[fungi].* 036732
Bark-beetle-fungal **symbiosis.** III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Additions and corrections to the Gasteromycetes of the Canary Islands [New **taxa,** *fungi].* 036076
Pestalotia gubiana sp. Nov. [New **taxa,** *fungi].* 036086
Factors influencing the biosynthesis of beta-galactosidase in Alternaria **tenuis** *[Fungi].* 037117
Preparation and properties of beta-galactosidase from Alternaria **tenuis** *[Fungi].* 037227
Structural revision for prenylated pulvinone metabolites from Aspergillus **terreus** *[Fungi].* 037298
Separation and characterization of acid proteinases from the surface culture Aspergillus **terricola** *[Fungi].* 037229
Study of acid proteinases from Aspergillus **terricola** *[Fungi].* 037230
Influence of high pressure on the content of carotenoids in the mycelium of Blakeslea trispora **Thaxter** *[Fungi].* 037120
Effect of some substances on the cellulase synthesis of the **thermotolerant** *fungus* Aspergillus terreus 17P. 037215
On the modes of action of three xylanases produced by a strain of Aspergillus niger van **Tieghem** *[Fungi].* 036730
Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the *fungus* **Tieghemella** orchidis (fam. Mucoraceae). 037116
New species of **tinder** *fungi* for Georgia. 036141
On the microflora of Laspeyresia pomonella L. (Lepidoptera **Tortricidae).** II. *Fungi.* 039718
Tolerance of alkaline protease of the *fungus* **Torula** thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Interactions of mycotoxins [produced by **toxicogenic** *fungi]* with substrate molecules and macromolecules [Food research]. 032112
A method of **tracing** *fungi* inoculated into the stems of living maple [Acer saccharum, Coniochaeta velutina]. 038578
Derepression of cellulase synthesis in **Trichoderma** *lignorum[fungi]* during limited consumption of readily assimilated carbon sources. 037115
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing [Barley, *fungus* **Trichothecium** roseum, Aspergillus oryzae). 033148
Properties of some bacteriocins produced by Rhizobium **trifolii** *[Fungi].* 037052
The genus Amylascus **(Tuberales)** *[Fungi].* 036164
Notes on **two** *fungi* [Cladosporium oxysporum, Fusariella obstipa] from pond waters. 036029
Inhibition of 6-methylsalicylic acid synthesis by the antibiotic cerulenin [Penicillium **urticae,** *fungi].* 037017
A new Coelomycete (Dwayalomella vaccinii gen. And sp. Nov.) *[Fungi]* from **Vaccinium** angustifolium [blueberries] in Canada. 035995
Studies on market diseases [caused by *fungi]* of **vegetables** in Karnataka State. II. 038749
Structure of versiol, a new metabolite from Aspergillus **versicolor** *[Fungi].* 037299
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and aspartyl-tRNA synthetases from the *fungus* **Verticillium** dahliae. 036887
Enzymic saccharification of bagasse [by Trichoderma **viride,** *fungi].* 033267
Amino acid spectrum of three **Xylariaceous** *fungi* [Hypoxylon haematostroma, Rosellinia petrakii, Xylaria dealbata]. 038672
Taxonomy and preservation of *fungus* and **yeast** culture. 036149
New **Zealand** *fungi.* 24. Capnokyma corticola gen. Nov., sp. Nov., a hyphomycetous sooty mould. 036069

FURAZOLIDONE

Furazolidone-pethidine **interaction** in rabbits. 033834

FURFUROL

Studies on the production of *furfural* from **agro-industries** wastes under normal pressure. 041596
Pasteurization of beer. 2. Determination of *furfural,* an **indicator** of intensity of pasteurization and aging of beer. 032906
Furfurol **influence** on the energy metabolism of fodder yeast [Candida tropicalis]. 037220

FURFURYL

Nonmetabolic catalysis of 14C **[carbon** *isotope]-furfuryl* amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203

FURROWS

The prevention of erosion during *furrow* **irrigation.** 041274
Effects of **soil** *furrowing* [on the yield of sunflowers and castorbeans under irrigation]. 041213
Soil *furrowing* [for better aeration] when growing maize under irrigation. 041265
Irrigation of winter wheat in **wedge-shaped** *furrows.* 041461

FURS

Estimating feed production requirements [on a national scale, *fur* **animals].** 031570
County statistics 1973 and 1974 [Skins, *fur-bearing* **animals].** 033101
Production of *fur* **animals** in countries outside Scandinavia. 033618
Development of the pelt industry in the Soviet Union *[Fur-bearing* **animals].** 033655
Calorie requirements and feed consumption *[Fur* **animals].** 034357
Availability and nutritional value of feed *[Fur* **animals].** 034501

The coat defect metallic *[Fur* **animals,** genetics]. 034847
Lice [Anoplura, Mallophaga]. Means of controlling lice [in *fur* **animals**]. 039512
Cleansing of wastewater from the feed preparation area for *fur-bearing* **animals** [Pollution]. 041622
Genetically controlled electrophoretic variants of esterase in silver foxes *[Fur* **bearing** animals]. 034819
Polymorphism and mosaicism for supernumerary chromosomes in silver roxes *[Fur* **bearing** animals]. 034823
Some conservation schemes of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the fur trade [**Beaver** and other *fur-bearers].* 041612
Danish *Fur* Breeders Association. Report of activities 1974/1975. 033611
Raising *fur* animals in Denmark, 1974-1975. 033683
Before starting a new pelting season [**Skinning** *fur-bearing* animals, foxes, minks]. 033100
Designing the pelting room [**Skinning** *fur-bearing* animals]. 033102
Roboran H, a new vitamin preparation for *fur-bearing* and **small** domestic animals. 034515
Some conservation schemes of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the *fur* **trade** [Beaver and other fur-bearers]. 041612

FURYL

Sterochemistry of freelingyne *[(4Z,6E)-9-(3-furyl)-2,6-dimethylnona-2,4,6-trien-8-yn-4-olide]* by **X-ray** analysis [Eremophila freelingii]. 037026

FUSARIUM

On the mechanism of photoregulation or morphoses: light-depending carotenoid synthesis *[Fusarium* **aquaeductuum,** Neurospora crassa, fungi]. 036798
Fusariotoxicosis *[Fusarium]* from **barley** in British Colombia. I. Natural occurrence and diagnosis [Feeding of mouldy grain to livestock]. 035396
Fusariotoxicosis *[Fusarium]* from **barley** in British Columbia. II. Analysis and toxicity of suspected barley. 035397
Results of an inquiry made by the Veterinary Department on *Fusarium* **contaminated** grain of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. 034495
Examination of the toxic effect of *Fusarium* **fungi** of maize. 038561
Influence of toxic products of *Fusarium* **graminearum** and Fusarium moniliforme on maize seed germination and embryo growth. 038791
The occurrence of stalk rot *[Fusarium]* of **maize** in dependence on row distance and susceptibility of hybrid cultivars. 038834
Detection of seed-borne fungi in sorghum and location of *Fusarium* **moniliforme** in the seed. 038789
Influence of toxic products of Fusarium graminearum and *Fusarium* **moniliforme** on maize seed germination and embryo growth. 038791
Induced resistance from simultaneous inoculation of tomato with *Fusarium* **oxysporum** Sacc. and Verticillium albo-atrum Reinke & Berth [Wilt]. 038635
Sources of resistance to basal rot of onion caused by *Fusarium* **oxysporum.** 038662
Influence of foliar nutrient sprays on the population of *Fusarium* **oxysporum** f. melonis and other soil microflora in the rhizosphere of muskmelon. 038693
Screening of systemic and non-systemic fungicides against *Fusarium* **oxysporum** causing foot and root rot of wheat. 038714
Identification of the races of *Fusarium* **oxysporum** f. Sp. Melonis causing wilt of muskmelon in California. 038767
Quality of proteins in Verticillium dahliae Klebahn and *Fusarium* **oxysporum** f. vasinfectum strains with different pathogenicity. 038808
Infection and pathological histology of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of *Fusarium* **oxysporum.** 038839
Formation of molecular hybrid forms in the system of isozymes of malate dehydrogenase in cotton and *Fusarium* **[oxysporumvasinfectum].** 038804
Mycotoxin synergism *[Fusarium,* **Penicillium,** Aspergillus, fungal flora on agricultural commodities, feedstuffs]. 032114
Metabolism of zearalenone by *Fusarium* **roseum** graminearum [Food, feed, contamination]. 032069
Monoacetoxyscirpenol, a new mycotoxin produced by *Fusarium* **roseum** Gibbosum [Feed, contamination, toxicity, cattle]. 033550
Reaction of soil microflora *[Fusarium* **solani,** Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. 040687
Effect of host and nonhost crop seeds on vegetative growth and sporulation of *Fusarium* **udum** in soil [cause of wilt disease of pigeonpea]. 038684
Performance of sweetpotato varieties against *Fusarium* **wilt.** 038701
Energy exchange in cotton in relation to its resistance to *Fusarium* **wilt.** 038802

FUSICLADIUM

Venturia asperata sp. Nov. And its *Fusicladium* **state** on apple leaves [Fungi, new taxa]. 038752

FUSIFORMIS

Light and electron microscope studies on cysts of **Sarcocystis** *fusiformis* in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292

FUSION

Robertson-type translocations (**centric** *fusions)* of autosomes in cattle (Bos taurus L.). 034604
Physiological optics of the *fused* **rhabdom** [Apis mellifera]. 040237
Polarisation sensitivity in insect eyes with *fused* **rhabdoms.** 039793
New **safety** *fuse* igniter [Forest equipment]. 035467

GALACTOLIPIDS

Manipulation of *galactolipid* **fatty** acid composition [of wheat] with substituted pyridazinones. 037523

GALACTOMANNANS

Further studies on the *peptido-galactomannan* from the **yeast** form of Cladosporium werneckii. Identification of O-acetyl substituents and isolation of the peptide components following-beta-elimination. 036783

GALACTOPYRANOSE

Circular dichrosim studies on the *alpha-D-galactopyranosyl* **binding** lectin isolated from the seeds of Bandeiraea simplicifolia. 036804

GALACTOSE

Effect of GAL4 gene dosage on the level of *galactose* **catabolic** enzymes in Saccharomyces cerevisiae [Yeasts]. 037011
Genetic co-regulation of *galactose* and **melibiose** utilization in Saccharomyces [Cerevisiae, Saccharomyces carlsbergensis, yeasts]. 036560

GALACTOSIDASES

Factors influencing the biosynthesis of *beta-galactosidase* in **Alternaria** tenuis [Fungi]. 037117
Preparation and properties of *beta-galactosidase* from **Alternaria** tenuis [Fungi]. 037227

GALACTOSYLS

Distribution of *D-galactosyl* **groups** in guaran and locust-bean [carob] gum. 032768

GALANTHUS

On the origin of karyotype of the **genus** *Galanthus* L. 035979

GALEOPSIS

Proof and isolation of iridoid glucoside from *Galeopsis* **tetrahit** L. (Labiatae) as well as structure elucidation of gluroside. 037148

GALL

Soluble proteins and hydrolases during *crown-gall* [**Agrobacterium** tumefaciens] induction in the tomato, Lycopersicon esculentum. 038858
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of spruce [Picea] plants to the attack of the *gall* **aphid** Sacchiphantes abietis (L.). 039410
Karyological studies on **crown** *gall* tumors [caused by Agrobacterium tumefaciens] of the pea. 036329
Distribution of lipids and starch in nutritive tissues of five **cynipid** *galls.* 039232
Development of the *gall* of **Giraudiella** inclusa Fr. On Phragmites communis Trin. 039294
Factors influencing changes in ploidy and nuclear DNA levels in cells from normal, *crown-gall* and **habituated** cultures of Helianthus annuus L. [Sunflowers]. 036345
The *gall* of **Phanacis** hypochoeridis (Kief.) Eady and Quinlan on Hypochaeris radicata L. 039237
Cecidia—a natural example of "genetic engineering" [**Plant** *galls].* 039026
The carotenoid content of *galls* **produced** by Eriophyes tiliae var. rudis Nal. (Acarina) on Tilia cordata Mill., leaves. 039400
Incidence of **rice** *gall* midges Pachydiplosis oryzae Wood-Mason) as affected by variations in some cultural practices of rice. 039280
The Botanical Garden of **Saint** *Gall* (Switzerland). 035933
Contribution to the control of **spruce** *gall* aphids of the genus Sacchiphantes on Norway spruce [Picea abies]. 039378
On the morphology of the ceratoneon **thrips** *galls* of Schefflera racemosa Harms. [Liothrips ramakrishnae]. 039236
Stimulators of growth of *gall* **tissues** in Phylloxera-infected grape plants. 039364
Effect of rifampin application time on *crown-gall* **tumor** induction by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. 038856
Insects and spiders from **year-old** *galls* caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on goldenrod, Solidago canadensis L. 039233
Comparative studies on the cells of nutritive tissue of the **young** *gall* Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. 039231

GALLBLADDER

Na+ and Cl- [sodium and chlorine ions] transepithelial routes in **rabbit** *gallbladder.* Tracer analysis of the transports. 034131

GALLERIA

The influence of intracoelomal injections of solutions and suspensions on the phagocytosis with larvae of the wax moth, *Galleria* **mellonella** (L.). 039644
Influence of Na+, K+, Mg2+ [sodium. Potassium, magnesuim ions] and cooling on proteosynthesis in hemocytes of *Galleria* **mellonella.** 039684
Kelp fly [Chaetocoelopa sydneyensis] virus [cultured in *Galleria* **mellonella** larvae]. 039851

GALLSTONES

Biliary lipids and **cholesterol** *gallstone* formation [Nutrition and metabolic diseases]. 032165

GALLUS

Influence of dietary fat source on hepatic lipogenesis in the fasted-refed **chick** *(Gallus* domesticus). 033869
Analysis of the structural forms of alpha-amylase present in **chicken** *(Gallus* domesticus) pancreatic duct juice and intestinal lumen. 033866
Experimental study of visual projections specificity in microphthalm and monophthalm embryos and chickens of *Gallus* **domesticus** L. 033758
Polymorphism in fowl serum albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the **fowl** *(Gallus* domesticus). 033872
Histochemical and biometrical comparison of the peroneus longus muscle and its innervation in *Gallus* **gallus** and Coturnix coturnix japonica [Chickens, quail]. 033699
Histogenesis of aminergic nerve cells in the chick's diencephalon, *Gallus* **gallus.** 033756
Quantitative studies on Heterakis gallinarum infections in the common fowl, *Gallus* **gallus** L. 035113
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the **hen** *(Gallus* domesticus). 034669

GAME

Protection of agricultural plantings from damage by *game* **animals.** 039051
In the USA it's a whole new **ball** *game.* 032558
Kitchen **search** *(Game).* 032648
Gourmet **search** *(Game).* 032696
Possibilities of limiting the damage done by *game* in the **Tatra** National Park. 035504

GAMETOGENESIS

The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and **mitotic** *gametogenesis* in Ulva mutabilis [Algae]. 036413

GAMETOPHYTES

Sex expression in **aneuploid** *gametophytes* of the brown alga Ectocarpus siliculosus (Dillw.) Lyngb. 036390
Development of **female** *gametophyte* in Hymentherum tenuifolium Cass. 036305
Influence of pollinating conditions on the manifestation of the *gametophyte* **locus** of the fourth chromosome in maize. 036679
Reproductive biology and *gametophyte* **morphology** of Acrostichum danaeifolium from Mexico [Pteridophyta]. 036263
Gametophyte **sex** expression in some species of Dryopteris [Pteridophyta]. 036386
Immunochemistry of carrageenans from *gametophytes* and **sporophytes** of certain red algae. 036855

GAMMA

Gamma-aminobutyric **acid** receptor on vascular smooth muscle of dog cerebral arteries. 033835
Radiobiological studies in Triticum [wheat]. II. Response to chronic and **acute** *gamma* irradiation of 25 ditelocentric lines of wheat cv. Chinese Spring. 036482
Radiobiological studies in Triticum [wheat]. I. Response to chronic and **acute** *gamma* irradiation of diploid, tetraploid and hexaploid species of Triticum and Aegilops. 037404
Changes in the pyrimidine nucleotide DNA isopliths of the haemopoietic system of *gamma-irradiated* **animals** [Rabbits]. 034167
The effect of pre-irradiation of seeds with *gamma-rays* on **biology** and fruitfulness of cucumbers. 037827
Degradation of **cellulose** by *gamma-ray-irradiation.* 035724
Mutability of the garden pea and tomato with **chronic** *gamma-irradiation* of the plants and the acute irradiation of the seeds. 036681
A comparative study of *gamma-ray,* **fast-neutron** and ethyleneimine mutagenic effects on Phaseolus vulgaris [kidney beans]chromosomes. 036470
Localization of *gamma* **globulin** in rice seed and changes in gamma globulin content during seed development and germination. 037338
Modification of the injurious effect in the *gamma* **irradiation** of seeds of radiosensitive and radioresistant crops. 036630
The effect of *gamma* **irradiations** on the longevity of the queens and the workers of Temnothorax recedens (Nyl.) (Formicidae, Myrmicinae). 039816
Gamma-irradiation of **lima** bean protease inhibitor in dilute aqueous solutions. 037826
The effects of **low-dose** *gamma-irradiation* on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding studies using rats. 032189
Chloroplast growth and replication in germinating spinach cotyledons following **massive** *gamma-irradiation* of the seed. 037811
Action of *gamma-radiation* on the **nucleotide** composition of tRNA of cotton. 037550

Effect of **pre-sowing** *gamma* irradiation (60Co) [cobalt isotope] on yield development of earliest red radish (Raphanus sativus sub. var. radicula). 038226
Extending the shelf-life of garlic by *gamma* **radiation.** 033382
Radiometric *gamma-defectoscope* for observing internal rots in logs in the technological flow-line. 035818
Mutagenic effect of *gamma* **rays** and fast neutrons on Pisum sativum [Peas]. 036480
A cytogenetic study of the effect of the joint action of ethyleneimine and *gamma* **rays** on the cells of Crepis capillarisseeds in two successive mitotic cycles. 036663
Study of malate dehydrogenase and glutamate dehydrogenase activity in maize radicles after treatment with *gamma* **rays.** 037465
Unscheduled DNA synthesis induced in barley seeds by *gamma* **rays** and 4-nitroquinoline 1-oxide. 037483
Study on the effect of dry seed irradiation with *gamma* **rays** in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Use of *gamma-irradiation* of **soil** for an analysis of the composition of microbial communities. 040689

GANGLIA

Effects of divalent cations and of catecholamines on the late response of the superior **cervical** *ganglion* [Dogs]. 034073
The first **optic** *ganglion* of the bee [Apis mellifera]. I. Correlation between visual cell types and their terminals in the lamina and medula. 040216

GANGLIOSIDES

Light inhibits the labelling of *gangliosides* in **chicken** retina. 034113

GANGRENE

Characters of the staphylococcal hemolysin beta produced by the causative agent of *gangrenous* **mastitis** in sheep. 035220
The spread of *[gangrene]* **Phoma** exigua within the potato crop. 038569

GANODERMA

The concept and circumscription of Ganoderma tornatum [and *Ganoderma* **applanatum,** fungi pathogenic in Palmae]. 036162
Presence in Indonesia and Malaysia of a Lepidoptera oilpalm root miner, Sufetula sunidesalis Walker, and its relationship to **attacks** by *Ganoderma.* 039238
The concept and circumscription of *Ganoderma* **tornatum** [and Ganoderma applanatum, fungi pathogenic in Palmae]. 036162

GARBAGE

Use of *garbage* **compost** in grape culture. 041092
Characteristics of quality in refuse, *garbage* and **sewage** sludge composts. 041129

GARDENIAS

Growing *Gardenias* [Culture]. 038350

GARDENING

Introduction to **hothouse** *gardening* of the future. 038328
Vegetable *gardening* in containers [Culture]. 038414

GARDENS

Resistance to anthracnose [Colletotrichum lindemuthianum] of introduced and local specimens of *garden* **bean** varieties under the Sofia region conditions. 038633
Trees in **botanic** *garden.* 3. The botanic gardens of the Birmingham Botanical and Horticultural Society [England]. 035909
A landfill **botanic** *garden.* 035924
The **Botanical** *Garden* of Oslo. 035928
The **Botanical** *Garden* of Saint Gall (Switzerland). 035933
Flower **bulbs** for the *garden.* 038487
Control of *garden* **centipede** [Scutigerella immaculata] on greenhouse spray Chrysanthemums; progress report. 039332
Provencal passion for plants: the *garden* of the **Chevre** d'Or. 038288
A comparison between host density and inoculum density effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of *garden* **cress** seedlings]. 038576
Growing *garden* potatoes. 038442
Garden at **Hanalei** [School]. 038483
Fertilizer recommendations for the **home** *garden.* 041058
Ants [Formicidae] in the home and *garden;* **how** to control them. 039218
Ants [Formicidae] in the home and *garden:* **how** to control them. 039219
Garden **Montbretia** varieties. 038488
The **ornamental** *garden* as winter approaches. 038347
Mutability of the *garden* **pea** and tomato with chronic gamma-irradiation of the plants and the acute irradiation of the seeds. 036681
The smaller the *garden,* the **smaller** the plants. 038493
5000 years production of vegetables, flowers, and plants for house and *garden* for a **value** of 550 million kroner. 031295
5000 years work; producing vegetables, flowers, and plants for house and *garden* for a **value** of 550 million kroner [Agricultural administration]. 031296
Vegetable *garden* pests. 038963

GARLIC

Effect of *garlic* **bulb** extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of *garlic* **bulb** extract on flowering, sex ratio, and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Effect of *garlic* **bulb** crude extract on flowering, sex ratio and yield of squash. 038291
Radiosensitivity aerial bulbils of *garlic* **[chromosome** aberrations]. 036367
Extending the shelf-life of *garlic* by **gamma** radiation. 033382
Effect of garlic bulb extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of **partitioned** *garlic* bulb extract on flowering in squash. 037688
Agrotechnical features of **seed** *garlic.* 038527

GASEOUS

Determination of molecular nitrogen in **studying** *gaseous* losses. 040820

GASES

Gas-blood pCO2 [carbon dioxide pressure] gradients during **avian** *gas* exchange [Chickens]. 034015
The effects of vagotomy on ventilation and **blood** *gas* composition in dog, sheep and rabbit. 034165
Gas **chromatographic** analysis of neodecanoic acids in onions [Desiccants, residues]. 032067
Gas **chromatographic** procedure for the analysis of isohumulone [Hops]. 032860
Gas **chromatographic** method for determining acids in technical sugar juices. 033310
Gas **chromatographic** investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Gas **chromatographic** determination of residues of insecticidal carbamates. 039589
Gas **chromatographic** determination of Stanozolol in veterinary suspensions. 039828
Gas **chromatographic** analysis in soil chemistry. 040595
Gas **chromatographic** analysis in air pollution. 041525
Gas **chromatographic** analysis in water pollution. 041526
Gas **chromatographic** analysis in waste chemistry [Contaminants]. 041527
Gas **chromatographic-mass** spectrometric identification of phenylurea herbicides after N-methylation [food chemistry]. 039138
Gas-liquid-solid **chromatography:** its application to the study of the essential oils. 032789
The determination of saccharin by *gas* **chromatography** after methylation with Diazomethane [Food addtives]. 032924
Optimum conditions for determining individual minor constituents in cane sugar by *gas-liquid* **chromatography** [Analysis]. 033178
Analysis of trace quantities of oil [pollution] in water by *gas* **chromatography.** 041563
Comparative *gas* metabolism examinations in geese. 033727
Alfalfa silages in butyl hermetic cells lost by flow of juice and *gas* **emission.** 033508
Gas-energy **exchange** in swine when there is a change in feeding norms. 034521
Gas **exchange** of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and water stress. 037037
Some results from research on *gas* **exchange** in the course of the respiration of the grapevine. 037724
Biological studies on environmental pollution by fluoride. III. Effect of hydrogen **fluoride** *gas* on metabolism of Gladiolus, Iris and Crocus. 039013
Lactobacilli and *gas* **formation** of film wrapped Cheddar cheese. 033029
Incidence of Clostridia as *gas* **forming** agent in Domiati cheese. 031943
Methane *[gas]* **generation** on a farm. 040344
Preservation of food liquids under **inert** *gases.* 032907
Gas-blood **pCO2** [carbon dioxide pressure] gradients during avian gas exchange [Chickens]. 034015
Studies on the mode of *gas* **production** in artificial rumen and its application to the **evaluation** of feedstuffs. VII. On the relation of digestible crude protein to total digestible nutrients of feedstuffs. 034426
The mechanism of the passage of **rarified** *gases* in materials during freeze-drying. 032758
Laboratory apparatus for conducting experiments on investigation of plant objects in a **regulated** *gas* environment. 037279
Measurement techniques for the prospection, exploitation and protection of *gas* **saturated** underground waters as applied in Czechoslovakia. 041311
How Taiwan homestead farmers make methane *[gas]* **work** for them. 040343

GASTEROMYCETES

Additions and corrections to the *Gasteromycetes* of the **Canary** Islands [New taxa, fungi]. 036076
Gasteromycetes **[Fungi]** from the Mongolian People's Republic [New taxa]. 036007

GASTRIC

The effect of sympathetic nerve stimulation on serum gastrin, *gastric* **acid** secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078
A new look at environment and *gastric* **cancer.** 032035
The digestion of the glycoprotein from **pig** *gastric* mucus with pepsin and other proteolytic enzymes. 034209
Repair of *gastric* **tympany** and rupture associated with a diaphragmatic hernia using both an intercostal and paracostal approach. 035303
Gastric **ulcer** of swine in large scale [raising and fattening] farms. 035375

GASTRIN

Estrous cycle and *gastrin* **content** of mucosa in rat. 034676
The effect of sympathetic nerve stimulation on **serum** *gastrin,* gastric acid secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078

GASTRODIA

A reinvestigation of the development of the embryo sac in *Gastrodia* **elata** Blume (Orchidaceae). 036269

GASTROENTERITIS

Course of **transmissible** *gastroenteritis* (TGE) of swine in a large piglet unit prior to and following the use of Riems TGE vaccine. 035151
Epizootiology of **transmissible** *gastroenteritis* of swine. 035153

GASTROINTESTINAL

Etiology of *gastrointestinal* **diseases** of piglets. 035243
Effect of dietary fiber upon [human] *gastrointestinal* **function** and dysfunctions. 032270
A survey of the *gastrointestinal* **helminths** of the muskrat, Ondatra zibethicus, collected from two localities in Ohio. 035175
The effect of fenbendazole (Panacur) in sheep naturally infected by *gastrointestinal* and **lung** nematodes [Anthelmintics]. 035229
Radiographic evaluation of *gastrointestinal* **tract** in buffaloes calves by barium meal study. 033981
Gastrointestinal **transit** in monogastric animals. II. Motor events and digesta movements. 033750

GAUGE

Performance of 2 1/2" *15-gauge* **pas-kote** [wooden] pallet staples. 035866
Gaging **sediment-laden** flows with V-notch weirs [Watersheds]. 041374
Performance of *14-gauge* **Sencote** staples [In lumber and wood-base products]. 035867

GEARS

Valuation of computation models to determine leakage losses of *gear* **pumps** [Equipment]. 040447

GEESE

Use of Mebendazole in experimental helminth **control** of *geese.* 035274
Comparative gas metabolism **examinations** in *geese.* 033727
The quality of *goose* **feather.** 031964
Examination of the metabolism index of Salmonella typhimurium **infected** *goose* **eggs.** 034967
Mashes of *geese.* 034365
Hormonal regulation of thermogenesis in *goslings.* **Possible** role of catecholamines. 033719
Hormonal regulation of thermogenesis in *goslings.* **Possible** role of the thyroid gland. 033720

GELATIN

Electrophoresis of blood proteins, tissue of the mammary gland and milk in **acrylamide** *gel.* 034184
Rheological properties of **agar-agar** *gels:* the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. 037137
Gel **cheomatography** as a method for characterization of humic systems. 040627
Polyacrylamide-gel **electrophoresis** of messenger ribonucleic acid extracted from cells infected with pig herpes virus 1. 035216
Separatian of the components of beta-glucosidase from sweet almond of the *gel* **filtation.** 033425
Gel-chromatographic **fractionation** of the enzyme preparation awamorin into fractions with endomannanase and grycosidase activities [from Eremurus regelii and alfalfa]. 036772
Gel-chromatographic **method** of selective extraction of synthetic dyes from food products. 032151
A comparative study of preparations of ovine luteinizing hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and **polyacrylamide** *gel* electrophoresis. 033704
Studies on biosynthesis of soluble lens crystallin antigens in the chick by **isoelectric** focusing in thin-layer **polyacrylamide** *gel.* 033888
Study of proteins and some enzymes of pancreatic juice in swine by the method of disc elctrophoresis in **polyacrylamide** *gel.* 034191
A study of the ribosomal proteins and subunits of pea seeds by the method of electrophoresis in **polyacrylamine** *gel.* 037648

GELECHIIDAE
Chemical control of the potato tuber worm, Gnorimoschema operculella Zell. (Lepidoptera: *Gelechiidae)* in **Karnataka.** 039350
New data on the fauna of *Gelechiidae* **(Lepidoptera)** from the European part of the USSR [New taxa]. 040052

GELIDIUM
Rheological properties of agar-agar gels: the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and *Gelidium* [**amansii,** seaweeds]. 037137

GENERATION
Role of the *generative* **cell** in androgenesis in henbane [Anthers, uninucleate pollen grains]. 036355
Vernalisation requirement and photoperiod demand for *generative* **development** in Poa supina (Schrad.). 037610
The effect of light on the vegetative and *generative* **development** of further five apple varieties, grown on M4 rootstocks. 037644
Methane [gas] *generation* on a **farm.** 040344
Chromosome pairing in triploid F1 and hexaploid F1, F2, and F3 *generation* of **Gossypium** hirsutum L. X Gossypium sturtianum Willis [Cotton]. 036424
Reciprocal crossing of Culex pipiens pipiens with Culex pipiens molestus and the development of parental and **hybrid** *generations.* 039915
Principal components analysis and its use in **hypothesis** *generation* and multiple regression. 031752
A **new** *generation* of drilling machines. 040505
Cycling aggregation patterns of cytoplasmic F-actin coordinated with oscillating tension force *generation* [**Physarum** polycephalum, fungi]. 036300
Influence of chlorocholine chloride (CCC) on the growth, development and productivity of oats in the second **seed** *generation;* report. 037503
An unusual miniature **soybean** [F2 *generation].* 036420
The influence of parental age on the genetic quality of the progeny of mice. III. The mortality of progeny in **succeeding** *generations.* 034621
On the possible development of radio-resistance in Sitophilus oryzae (L.) following exposures of **successive** *generations* to ionizing radiation. 039432
Field development and quality changes in **successive** *generations* of Spodoptera exempta Wlk., the African armyworm. 039821
Gestational dietary methionine level effects on performance and methionine-load response in **three** *generations* of rats. 032411
A faster completion of the high lysine barley program by growing a **winter** *generation* in South America [Breeding]. 036699

GENERATORS
Smoke production with the friction **smoke** *generator* [Meat processing]. 033067

GENES
A *gene* **action** for avirulence partially affected by mutation in rice blast fungus [Pyricularia oryzae]. 038571
Major patterns of *gene* **activity** during development in holometabolous insects. 039610
Gene **amplification** in oocytes of the rove beetle Creophilusmaxillosus (Staphylinidae, Coleoptera-Polyphaga). 039739
Genic **analysis** for acid phosphatase isozymes in Oryza perennis and Oryza sativa [Rice]. 036407
Average *gene* frequency estimates in two open-pollinated cultivars of corn. 036421
About *gene* **banks** and storage for sowing [Field crops]. 036698
Genes **coding** for the structure of the acid phosphatases in Saccharomyces cerevisiae. 036589
Further studies on the balance between Adh1 and Adh2 in maize: *gene* **competitive** programs. 036506
New **complementary** *gene* CFL2 changing the manifestation of allele fl2 in maize. 036522
Functional reproductive disturbances and fertility results in young and old sows of different *gene* **constructions** [Swine]. 034834
Mapping and *gene* **conversion** studies with the structural gene for iso-1-cytochrome C in yeast [Saccharomyces cerevisiae]. 036507
Linkage of the *genes* for **DDT** and dieldrin resistance in larvae of the mosquito Aedes aegypti. 039450
A **dominant** *gene* conferring disease resistance to tobacco plants is expressed in tissue cultures [Phytophthora parasitica nicotianae, black shank]. 038759
The *gene* **dosage** effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains [Saccharomyces cerevisiae]. 036602
Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. **Duplicate** *genes* for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592
Ethanol as a 'food' for Drosophila melanogaster: influence of the **ebony** *gene.* 039738
Use of male-sterile 1 *gene* to **eliminate** detasseling in production of hybrid seed of bicolor sweet corn. 036572
Potentialities of *gene* **exchange** in selection programs for earliness, in some crosses between Egyptian and Upland cottons. 036381
Cytogenetic relationships and barriers to *gene* **exchange** in Arachnis [Peanuts]. 036611
Effects of estrogen on *gene* **expression** in chick oviduct: nuclear receptor levels and initiation of transcription. 034145
Recognition and *gene* **expression** during the incompatibility reaction in Petunia hybrida L. 036590
Transmission and recombination of **extranuclear** *genes* during sexual crosses in Aspergillus nidulans. 036594
Effect of **GAL4** *gene* dosage on the level of galactose catabolic enzymes in Saccharomyces cerevisiae [Yeasts]. 037011
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. II. Dynamics of the *gene* and **genotypic** frequencies. 039922
Rous sarcoma virus activates embryonic **globin** *genes* in chicken fibroblasts. 035188
Genetic control of the expression of *genes* for **lactate** dehydrogenase A in sheep erythrocytes. 034626
Three new allotypes of mink serum alpha-lipoproteins Lpm 6, Lpm 7, **Lpm** 8 *[Genes].* 034632
The inheritance of *genes* in **mitochondria** and chloroplasts [Plants, animals]. 036398
Survival of Ms/--males in two lines of mice selected for a different expression of the *gene* **mosaic** (Ms) in heterozygous females. 034620
The use of plastid and *gene* **mutants** of higher plants in studying the genetic control of plastid functions. 036549
Investigation of synchronous and parallel changes in the *gene* **pools** in natural populations of the fruit fly Drosophila melanogaster. 039920
Effects of R1, a *gene* for **red** plant color, on American Pima cotton. 036427
The interaction of structural and **regulatory** *genes* controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and red colors of the grain. 036692
Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a *gene-for-gene* **relationship.** 038592
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of **resistant** *genes* with morphological characters of an ear. 036501
Ribosomal **RNA** *genes* in the nucleus and chloroplast of Euglena [gracilis, algae]. 036278
Variations in the number of the Y chromosomal **rRNA** *genes* in Drosophila Hydei. 039755
Phenotypic description of double homozygotes for certain **sex** *genes* in maize. 036523
Linkage tests among *genes* for **six** qualitative characters in sunflowers [Fungus diseases resistance]. 038597
Hormonal regulation of **specific** *gene* expression in the chick oviduct. 034583
Mapping and gene conversion studies with the **structural** *gene* for iso-1-cytochrome C in yeast [Saccharomyces cerevisiae]. 036507
Visualization of *gene* **transcription** in spermatocytes of Drosophila hydei. 039679
Pleiotropic effect of **waxy** *gene* in indica rice [Varieties]. 036579
The organization of *genes* in **yeast** [Saccharomyces carlsbergensis] mitochondrial DNA. II. The physical map of ecoRI and HindII-III fragments. 036592

GENESIS
Distribution of mountain soils and some characteristics of their *genesis* and **classification.** 040601
Genesis of **"Harde"** soils in north Cameroon. 040565
Studies on the **microspore** *genesis* date in some varieties of apples and pears. 037725
An introductory review on humic substances aspects of research on their *genesis,* their **physical** and chemical properties , and their effect on organisms. 040619
Peculiarities of **soil** *genesis* in the deltaic-alluvial valleys of Juba and Webi-Shebeli rivers (equatorial Somali). 040614
A moor is not merely ground peat [**Soil** *genesis].* 040681
Salt associations in soils of Caspian lowland as related **tosoil** *genesis.* 040740
New aspects of *genesis* of some **tropical** soils in Cuba. 040611

GENETICISTS
Ojvind **Winge** (1886-1964) *[Geneticists].* 036508

GENETICS
Correlation of differential staining of chromosome locus and its *genetic* **activity** [Drosophila melanogaster]. 039692
Genetics and **agricultural** economy. I. Plant productions. 036373
Innovative approaches to *genetics* in **agriculture** [Plant breeding]. 036410
Genetic **analysis** of sterility in heifers. 034816
Genetics and breeding of black currant. I. Methods of selecting samples for *selection-genetic* **analysis.** 036517
Genetic **analysis** of light-sensitive mutants of Chlaydomonasreinhardi [Algae]. 036541
Genetic **analysis** in the dinoflagellate Crypthecodinium (Gyrodinium) cohnii: evidence for unusual meiosis [Algae]. 036623
A confidence interval for the heritability coefficient of continuous characters [in the *genetic* **analysis** of plant populations]. 036662
A *genetic* **analysis** of the nature of the reversions induced by ultraviolet light in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. 036664
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. *Genetic* **analysis** of uvs [ultraviolet sensitive] mutants. 036673
Genetic **analysis** of a population of Tribolium [castaneum]. V. Viability of the unsaturated fatty acid sensitive mutant. 039654
Genetic **analysis** of the proximal region of chromosome 2 of Drosophila melanogaster. I. Detachment products of compound autosomes. 039749
Genetic **analysis** of maternal effect on the "puffed" mutant character in female Drosophila virilis Sturt. X male Drosophila littoralis Sokolov hybrids. 039760
The coat defect metallic [Fur **animals,** *genetics].* 034847
Genetic **approach** to the acoustic communication system of grasshoppers. I. Song pattern of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. 039829
Genetic **approach** to the acoustic communication system of grasshoppers. II. The song-specific innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and Chorthippus mollis. 039830
Genetic **approaches** to enzyme induction in mammalian cells and hybrids in culture. 034582
Genetic **aspects** of winter hardiness in winter soft wheats. 036711
Production of genetic heterogeneity and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and *genetic* **balance.** 036688
Biochemical and *genetical* **basis** for the temperature sensitivity of photosynthesis and growth in chilling-sensitive plants. 036968
Genetic and **biochemical** studies of acid phosphatases in yeast Saccharomyces cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. 036516
Genetical and **biochemical** aspects of resistance to p-fluorophenylalanine in Saccharomyces cerevisiae [Yeasts]. 036565
Problems of breeding barley with a high lysine content in the light of *genetic,* **biochemical** and nutritional studies. 036616
Biochemical *genetics* of insecticide resistance. 039201
Blood *genetic* markers in two breeds of ponies from Poland. 034565
A method for formation of analog groups in research on *genetics* and **breeding** [Cattle]. 034813
Genetics and **breeding** of 42-chromosome triticale. II. Relations between chromosomal variability and reproductive characters. 036429
Genetic and **breeding** studies on Nicotiana tabacum L [Tobacco]. 036494
Genetics and **breeding** of black currant. I. Methods of selecting samples for selection-genetic analysis. 036517
Acute irradiation of vegetating plants and prospects of its use in plant growing and **breeding** *[Genetics].* 036610
On the problem of classification of ceruplasmin locus in **cattle** *[Genetics].* 034629
Genetic and **chemical** characteristics of Meadow Gley soils in the rice fields of Primor'ye. 040825
European Federation of Zootechny, 25th annual meeting (August 17-21, 1974), Copenhagen, Denmark. 16th session of the *Genetics* **Commission.** 034569
Hereditary multiple exostosis. A **comparative** *genetic* evaluation in man and horses. 035347
Genetical **considerations** in large field experiments [Error variance]. 034590
Investigations on *genetic* **constancy** or subline drifting of inbred strains of rats and mice. 034872
Genetic **control** of the expression of genes for lactate dehydrogenase A in sheep erythrocytes. 034626
Genetic **control** of the potassium content in the erythrocytes of sheep (Ovis domesticus). 034817
Genetic **control** of immune responses to parasites: selection for responsiveness and non-responsiveness to [the nematode] Trichuris muris in random-bred mice. 035180
Genetic **control** of sterol esterification in developing wheat endosperm. 036393
Genetic and biochemical studies of acid phosphatases in yeast Saccharomyces cerevisiae. V. *Genetic* **control** of regulation of acid phosphatase 2 synthesis. 036516
Genetic **control** of chlorophyll biosynthesis and formation of its forms in vivo. 036543
The use of plastid and gene mutants of higher plants in studying the *genetic* **control** of plastid functions. 036549
Mutations of the type of leaf in pea and the system of the *genetic* **control** of this character. 036650
Genetic **control** of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet sensitive] mutants. 036673
Genetic **control** of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
Genetic **control** of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592
Sex determination in bees. IV. *Genetic* **control** of juvenile hormone production in Melipona quadrifasciata (Apidae). 040225

Genetically **controlled** electrophoretic variants of esterase in silver foxes [Fur bearing animals]. 034819
Genetic **co-regulation** of galactose and melibiose utilization in Saccharomyces [Cerevisiae, Saccharomyces carlsbergensis, yeasts]. 036560
[Poultry] selection for **egg** production under ahemeral light-dark **cycles** *[Genetics].* 034573
Genetic **determination** of the malignant hyperthermia syndrome in the Pietrain pig. 034570
Experiment in *genetic* **diagnosis** of the soils of the USSR on the basis of elementary soil processes. 040824
Follicular population and body weight in relation to *genetic* **differences** in ovarian response to gonadotropin in rats. 034662
Mannosidosis of Angus cattle: a prototype control program for some *genetic* **diseases.** 035293
Studies on relationship between transferrin type and production traits in Japanese beef cattle. III. On *genetic* **distribution** of transferrin type and hemoglobin type in Japanese beef cattle. 034591
Genetic **effect** of formaldehyde in yeast [Saccharomyces cerevisiae]. I. Influence of the growth stages on killing and recombination. 036598
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the *genetic* **effects** for the fiber yield and length. 036418
Physiological and *genetic* **effects** of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. 036465
Experimental mutagenesis in apple. III. Morphological and *genetic* **effects** in Malus domestica, induced by N-nitroso-N-methylurea. 036672
Genetic **effects** of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
Study of the *genetic* **effects** induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Genetic **effects** of Drosophila [melanogaster] exerted by factors of the cosmic flight in the space-ship "Cosmos 573". 039761
Cecidia—a natural example of *"genetic* **engineering"** [Plant galls]. 039026
Genetics and selection of the **entomopathogenic** fungus Beauveria bassiana (Bals.) Vuill. III. Study of heterokaryosis. 036676
Genetics and selection of the **entomopathogenic** fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of ultraviolet rays. 039916
Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and *genetic* and **environmental** modification of a gene-for-gene relationship. 038592
Genetic and **evolutionary** relationships between plastids and the nuclear-cytoplasmic system. 036542
Genetics of **eye-gap** and maroon-eye mutants in the mosquito [Culex pipiens]. 039852
Significance of *genetic* **factors** in the study of etiological factors of nutritional muscular dystrophy. 035386
Results of experiments in treating the corms of saffron [Crocus sativus] with colchicine *[Genetics,* **fertility].** 036713
The novel flavonoid chemistry and phylogenetic origin of Phlox **floridana** *[Genetics].* 036489
On the *genetics* of **flower** colours in diploid and tetraploid genotypes of Begonia semperflorens Link et Otto. 036720
Production of *genetic* **heterogeneity** and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. 036688
The role of artificial insemination in the *genetic* **improvement** of cattle. 034778
The verified identification program *[Genetic* **improvement** ofdairy cattle]. 034785
Genetic **improvement** of oil quality of rape (Brassica napus L.). 036639
Florida 32 and Florida 56—two shrunken-2 (sh2) sweetcorn **inbreds** *[Genetics].* 036417
Structure and function of the *genetic* **information** in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394
Introduction: paths taken by historic and *genetic* **[land]** settlement research. 031179
Some problems of **leucosis** *genetics* in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. 035315
Factors affecting serum creatine phosphokinase activity in pigs *[Genetic* **marker** for malignant hyperthermia syndrome]. 035348
Genetic **mechanisms** and the evolution of heterosis [Animals, plants, insects]. 034818
Plant production: *genetic* **methods** to improve food and feed production [Research projects, Italy]. 036558
Homozygous black Finnish **mink** *[Genetics].* 034845
Cytoplasmic inheritance and **mitochondrial** *genetics* in yeasts [Saccharomyces cerevisiae]. 036584
Fate mapping of nervous systems and other internal tissues in *genetic* **mosaics** of Drosophila melanogaster. 039689
Genetic **parameters** estimated on data from the Swedish pig progeny testing with special emphasis on meat colour. 034827
Problems of temporal variability of *genetic* **parameters** in plant populations. I. The theory of question. 036524
Actual problems of *genetics* of **photosynthesis.** 036539
The *genetics* of **photosynthesis** and rational means of breeding highly productive plants. 036548
Genetic and **physiological** mechanisms of the regularity of earliness in annual plants. 036646
Genetical and **physiological** investigations on mutants for polyenoic fatty acids in rapeseed, Brassica napus L. I. Selection and description of new mutants. 036718
The implications of *genetic,* **physiological** and environmental control of chloroplast ultrastructure to the optimization of photosynthetic activity. 036974
Genetic **polymorphims** of amylase and ceruloplasmin in two breeds of hogs raised in the southern UkrSSR. 034602
Genetic **polymorphism** of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606
Genetic **polymorphism** and enzyme activity of plasmic alkaline phoshatase in the water buffalo. 034607
Genetic **polymorphism** of milk proteins in Japanese cattle and European cattle breeds in Japan. 034706
Genetic **polymorphism** of beta-caseins in Kholmogorsky cattle. 034810
Domestication and **population** *genetics* [Farm animals]. 034705
Best starting plant material. Structure of natural populations. Plant exploration methods. Observations on the collected material **[Population** *genetics].* 036384
Genetic **problems** in the production of biological [insect pests and weeds] control agents. 039202
Genetic **Program** of the Sugar and Alcohol Institute, National Program for Sugarcane Improvement, Brazil. 036400
The influence of parental age on the *genetic* **quality** of the progeny of mice. III. The mortality of progeny in succeeding generations. 034621
The influence of parental age on the *genetic* **quality** of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the male germ cells. 034622
Genetic **resources** of animal populations [Livestock breeding, research projects, Italy]. 034655
Present state of works on *genetic* and **sanitary** clonal selection. Method and results, spread of selected material [Grapes]. 036404
Determination of *genetic* **sex** by sexual chromatine in nuclei of neutrophyl leucocytes of the peripheral blood in vertebrates. 034807
Evaluation of **soil** *genetic* characteristics and their variations. 040725
Multiple seedling development in **soybeans** *[Genetics].* 036571
Genetics of **stem** rust [Puccinia graminis tritici] resistance in wheat **cultivars** Romany, Es.p 518/9, Bonny and Tama. 038593
Behavior of sugarcane clones (genotypes) under natural and induced environmental **stimulus** *[Genetics].* 036632
Genetic **studies** on cholesterol in the chicken. 034608
Genetic **studies** on European larch (Larix decidua Mill.) employing isoenzyme polymorphisms. 036495
Use of potato haploids in breeding and *genetic* **studies.** 036659
A method of quantification of the infection phenomenon in blast disease [Pyricularia oryzae] of rice for the use in *genetical* **studies.** 038669
Genetic **studies** on walking behavior in Drosophila melanogaster. I. Selection and hybridization analysis. 039655
Genetic **study** of aggressiveness of two subspecies of Apis mellifera in Brazil. 2. Time at which the first sting reached a leather ball. 040246
Stalk number and length as components of yield in **sugarcane** *[Genetics].* 036634
Theoretical *genetics* of Batesian mimicry. I. Single-locus models [Butterflies]. 039862
Theoretical *genetics* of Batesian mimicry. II. Evolution of supergenes [Papilio dardanus]. 039863
Theoretical *genetics* of Batesian mimicry. III. Evolution of dominance [Papilio dardanus]. 039864
Contribution to the *genetics* of **tolerance** towards Septoria nodorum Berk. in wheat (Triticum aestivum). 038847
Tobacco fraction 1 protein: a **unique** *genetic* marker. 036638
Vavilov's law of homologous series [in *genetic* **variability**] at the fiftieth anniversary of its formulation. 036484
Genetic **variability** in horsegram [twin flower dolichos] (Macrotyloma uniflorum syn. Dolichos biflorus). 036604
The *genetic* **variability** of the yield components in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] population [Insecticides, plant origin]. 036626
Genetic **variability** studies of isoperoxidases and morphological characters in sugarcane subclones produced by "in vitro" culture. 036633
Role of lasting modifications in the *genetic* **variability** of plants. 036655
The *genetic* **variability** of third chromosomes in a local population of Drosophila melanogaster. 039753
Influence of *genetic* **variability** on thermoregulation in honeybees [Apis mellifera]. 040196
A design III study of linkage disequilibrium for percent oil in maize *[Genetic* **variance].** 036419
Changes of scale in the study of the evolution of the *genetic* **variance** through selection in Tribolium castaneum. 039614
Genetic **variation** in enzyme activity of tall fescue [Festuca arundinacea] leaf blades. 036428
Genetic **variation** of photosynthetic rate in leaf discs of Zea mays L. [Maize]. 036544
Correlation of phenotypic variation of milk production and *genetic* **variations** of transferrin and hemoglobin types in Simmenthal cows. 034601
On **veterinary** *genetics* [Hereditary diseases]. 034630
Genetics of **Virginia** pine [Pinus virginiana]. 035647

GENISTA

Contribution to the taxonomy of the genus Genista in Sardinia. I. *Genista* **acanthoclada** DC. 036016

GENITALS

Genital **abnormalities** in adult Cicadellidae (Homoptera). 039702
The **external** *genitalia* of a gynandromorph of Nudaurelia cytherea cytherea (Fabr.) (Lepidoptera: Saturniidae). 039843
Uteroglobin-like antigen in the **male** *genital* tract secretions [Rabbits]. 033861
On the use of the structure of the **male's** *genitalia* for the taxonomy of horseflies (Diptera. Tabanidae). 040054
Genital **physiology** of the mare. 034572
The *genital* **system** [Diseases, abnormalities, reproduction, cats]. 034638
Formation of *genital* **system** in Tenebrio molitor at latent stages of ontogenesis determined by means of the juvenile hormone analogues. 039968
Influence of parasitic flies (Phasiidae) upon the *genital* **system** Eurygaster integriceps. 039970

GENOMES

Informational complexity of the nuclear and **chloroplast** *genomes* of Chamydomonas reinhardi [Algae]. 036818
Gliadins of Aegilops species of the Sitopsis (Jaub. Et Spach) Zhuk. section and the structure of the **S(B)** *genome.* 037263

GENOTYPES

Metabolism of 14C [carbon isotope]-glutamic acid and 14C-DL-arginine in chickens with different *genotypes* of the **blood** catalase. 033883
Course of parturition and rearing performance of heifers of the Black Pied dairy **cattle** *genotype* based on Simmental cattle. 034830
Experimental mutagenesis in apple. IV. Phenotypic and *genotypic* **changes** in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. 036670
The estimation of the distribution of the *genotype* **characters** on the basis of their distribution in the phenotype. 036499
Behavior of sugarcane **clones** *(genotypes)* under natural and induced environmental stimulus [Genetics]. 036632
Influence of **cotton** *genotypes* on floral visits of honey bees [Apis mellifera]. 037390
Combined effect of the *genotype* and the **environment** on performance characteristics in pigs. 034624
Correlations between quantitative characters and **enzyme** *genotypes* in Avena barbata [Oats]. 036486
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. II. Dynamics of the gene and *genotypic* **frequencies.** 039922
Persistence of the **glandless** *genotype* in a composite cross of Upland cotton on the Texas High Plains. 036436
Expression of mutant traits in different *genotypic* **media** in winter wheat. 036463
Pattern of dry matter accumulation and distribution in finger **millet** *genotypes* in relation to levels of spacing and nitrogen. 038084
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of *genotype* on **pairing.** 036608
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and **pathogen** *genotype* in Phytopphthora [megasperma] root rot of alfalfa. 038768
On the evaluation of **ram** *genotype* with regard to the quality of the offspring as a result of interbreeding of sheep. 034811
Mutation analysis as a method of **studying** *genotype* structure of green algae. 036545
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in **susceptible** *genotypes* of Aedes aegypti (Diptera: Culididae). 039476
On the genetics of flower colours in diploid and **tetraploid** *genotypes* of Begonia semperflorens Link et Otto. 036720
Phenotypic and *genotypic* **variability** in an exotic X Indian and Indian X Indian, intervarietal crosses of wheat (Triticum aestivum L.). 036606
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. I. Relative **viability** of the *genotypes.* 039921

GENTIANA
Alpha-glucose 1-phosphate, a precursor in the biosynthesis of maltose in higher plants *[Gentiana* **lutea,** spinach, Acer pseudoplatanus]. 037303

GENTIANACEAE
A new species of Cotylanthera [paucisquama] *(Gentianaceae)* from **Phillippines,** with a conspectus of the genus. 036036

GEOBOTANY
The vegetation of the Urals on a **new** *geobotanical* map. 036185

GEOCHEMISTRY
Lipid *geochemistry* of recent sediments from the Great Marsh, Lewes, Delaware [Vegetation]. 036172

GEOGRAPHY
Geographical **differences** in leaf resin components of Eremophila fraseri F. Muell. (Myoporaceae) [from Australia]. 035965
Etiology and *geographical* **distribution** of bacterial agents of mastitis in dairy cows in Slovakia in 1973 and 1974. 035262
Allozymes of Galapagos tomatoes: polymorphism, *geographic* **distribution,** and affinities. 036485
Picornaviruses of laboratory and wild Drosophila melanogaster: *Geographical* **distribution** and serotypic composition. 039615
Notes on the biology and *geographical* **distribution** of spiders of the genus Loxosceles. 039992
Dispersion and history of a population of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae) *[Geographical* **distributions].** 039988
Geographical **patterns** of evolution in neotropical Lepidoptera. Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091
Adaptations of chironomids [Chironomidae] to intertidal environments *[Geographical* **races** and speciation]. 039616
Ecological-geographical **review** of the fauna of leaf beetles (Coleoptera, chrysomelidae) in central Kazakhstan. 040173
Elongated strip field and previllage, a contribution to the land **settlement** *geography* of western Germany [History]. 031174
The role of Nikola Pushkarov in furthering soil and *geographic* **studies** in Bulgaria. 040751
Soil-geographical **transects** through Chile. 040615
Studies on lichen-dominated systems. XIII. Seasonal and *geographical* **variation** of new CO2 [carbon dioxide] exchange of Alectoria ochroleuca. 036856

GEOLOGY
A technique to enhance detail on scanning electron micrographs of *geological* **materials** [Soils, sands]. 040583
Compiling preliminary foundation data with photointerpretation and existing information on **soils** and *geology.* 040709

GEOMETRIDAE
Distributional notes on some Ennominae from Baja California, with descriptions of new species **(Lepidptera,** *Geometridae).* 039982

GEOMETRY
Geometry of **bent** continuous-filament yarns. 033106
Temperature development in product stacks of different size and *geometry* **[Flower** bulbs]. 033350

GEOMORPHOLOGY
Presentation of *geomorphological* and **hydromorphological** maps of the upper basin of the Lebrija River (Santander Department) [Colomiba, soil erosion]. 041173
Relationship of *geomorphology* to **origin** and distribution of a high charge vermiculitic soil clay [in Michigan]. 040772

GEOMYDOECUS
A review of the *Geomydoecus* **texanus** complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae) [New taxa]. 040108

GEOMYIDAE
A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: *Geomyidae)* **[New** taxa]. 040108

GEOPHILOMORPHA
A new Watophilus [knowltoni] from Utah, including a list of all known species (Chilopoda: *Geophilomorpha:* **Chilenophilidae).** 040138

GEOTECHNOLOGY
Geotechnical **management** of forest lands in granitic terrane. 035607

GEOTRICHUM
Ability of the species of *Geotrichum* **candidum** to produce proteolytic enzymes. Additional note [Cheese manufacture]. 032983
Crystallographic data and circular dichroism spectrum of lipase from *Geotrichum* **candidum** Link [Fungi]. 036328
Hyphal wall growth in Neurospora crassa and *Geotrichum* **candidum** [Fungi]. 037050

GEOTROPISM
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of growth regulators in *geotropically* **stimulated** Vicia faba roots [Broadbeans]. 037885
Redistribution of endogenous cytokinins in *geotropically* **stimulated** Ribes nigrum [currant] roots and shoots. 037886

GERANIUMS
Granulated etherel and ARD-1266 as potential branch inducing **agents** of *geraniums.* 036944
Interest in **growing** *Geraniums* [Breeding for disease resistance]. 036709
Essential oils. XVII. Oil of Pogostemon formosanus Oliv. II. Isolation and chemistry of germacrone [from *Geranium* **macrorrhizum].** 037027
Constituents of *Geranium* **thunbergii** Sieb. Et Zucc. II. Ellagitannins. 1. 037782

GERANYL
Comparative specificity of *geranylgeranyl* **pyrophosphate** synthetase of Micrococcus lysodeikticus and pumpkin. 037763

GERBERA
Oxalis [corniculata] control in *Gerbera* **[jamesonii];** progress report. 039121

GERMINATION
The effect of GA3 [gibberellic acid] on the *germination* of **ageing** lupin seeds. 037562
Storage of Medicago sativa—results obtained from a test under controlled conditions of temperature and humidity **[Alfalfa,** *germination].* 037560
Changes in the activity of enzymes involved in the endosperm dissolution during **barley** *germination.* 037535
Effect of *germination* on the **biological** value, digestibility coefficient and net protein utilization of some legume proteins. 032408
Germination of **Botrytis** [cinerea] and Sclerotinia [sclerotiorum] spores in the presence of pollen on tobacco leaves. 038751
Effect of *germination* on the **carbohydrates,** proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Characterization of proteins and allergens in *germinating* **castor** seeds by immunochemical techniques [to study its potential toxicity as feed]. 033549
Effects of mechanical scarification, seed position and gibberellic acid on *germination* in **Cherimoya** (Annona cherimolia Mill). 037835
The effects of soil-borne microorgaisms on the *germination* of **chlamydospores** of Tilletia caries and Tilletia foetida [Potential for the biological control of bunt]. 038811
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, *germination,* **chromosome].** 036465
Localization of gamma globulin in rice seed and changes in gamma globulin content during seed **development** and *germination.* 037338
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. II. Changes of protein fractions during *germination* and **development** of etiolated plants and grown in light. 037438
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, *germination* and **development** of seedling. 037439
Glycoprotein metabolism in the cotyledons of Pisum sativum peas] during **development** and *germination.* 037812
Effects of the granular soil fumigant Basamid on *germination,* **growth,** weed control, and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578
Heating the seeds of fiber flax with warm air [for **increasing** *germination* percentage]. 037785
The growth inhibitors in sugarbeet seed balls. II. Isolation of potassium nitrate as the *germination* **inhibitor** and hypocotyl stimulating substance. 037545
Laboratory *germination* findings and testing method for Scheflera actinophylla (umbrella tree). 037796
Studies on the in vitro digestibility of starch in some **legumes** before and after *germination.* 032417
The developmental biochemistry of cotton seed embryogenesis and *germination.* VI. **Levels** of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. 037364
Acid protease activity during *germination* of **microcysts** of the cellular slime mold Polysphondylium pallidum. 037010
Synthesis of polyadenylic acid-containing ribonucleic acid during the *germination* of **Neurospora** crassa conidia [Fungi]. 037015
Invigoration of seeds? **[Onions,** *germination].* 037844
Development of glycolytic and mitochondrial activities in the early phase of *germination* of **Phaseolus** mungo seeds [Mungo beans]. 037478
Further studies on glucose catabolism in the early phases of *germination* of **Phaseolus** mungo seeds [Mungo beans]. 037479
A note on temperature sensitivity for *germination* of **Pterocarpus** santalinus seed. 037935
Germination of **Puccinia** striiformis uredospores on leaves of adult winter wheat plants [Resistance to yellow rust]. 038566
Some *germination* **requirements** of Celmisia species. 037128
The development of carbohydrases in *germinating* **rye.** 037595
Inheritance of **seed** *germinating* capacity and rate at 26 and 11 degrees Centigrade in F1 tomato interspecies hybrids. 036477
Ecology of desert plants and observations on their seedlings. IV. **Seed** *germination* and seedling growth in Citrullus species. 036722
Effect of light on **seed** *germination* and seedling growth of Merremia species. 036945
Seed *germination* and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
Investigations on the biology of **seed** *germination* of Agrostis capillaris L. and Festuca fallax Thuill. from grass coenoses on the Vitosha mountain. 037409
Influence of substrate moisture level on the *germination* of **seed** of selected Pinus species. 037936
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the 1000-grains weight and **seed** *germination* of wheat. 038132
Stimulation of pepper **seed** *germination* by sodium hypochlorite treatment. 038365
Annotated bibliography on substrates and nutrients for orchid culture including references to **seed** *germination,* 1969-1974. 038448
Head fungi [Curyvularia lunata] of sorghum, phytotoxins andtheir effects on **seed** *germination.* 038690
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on maize **seed** *germination* and embryo growth. 038791
Mitotic activity in rice **seedlings** *germinating* under oxygen deficiency. 037474
The mitotic activity of *germinating* **seeds** of barley varieties differing in their cold resistance. 036371
Nutrient requirements for *germination* of **seeds** & development of protocorms & seedlings of Cymbidium in aseptic cultures. 036994
The effect of apple flesh on dormancy release and *germination* of **seeds.** 037671
The effect of temperature on the ultrastructure of the cells of the embryos of Euonymus europaea L. in the process of stratification and *germination* of **seeds.** 037898
Inhibitary effect of Cladonia impexa Harm., Cladonia gracilis (L.) Willd and Cornicularia muricata (Ach.) Ach. On Pinus sylvestris **seeds** *germination.* 037931
Effect of Aspergillus flavus on the *germinating* **seeds** of some tropical crop plants. 038681
Nitrogen metabolism of Raya (Brassica juncea Coss.) during *germination* under **simulated** drought. 037340
Celery yield increased by **sowing** *germinated* seeds. 038360
Chloroplast growth and replication in *germinating* **spinach** cotyledons following massive gamma-irradiation of the seed. 037811
Effect of polyoxin on fungi. II. Electron microscopic observations of **spore** *germination* of Alternaria kikuchiana Tanaka. 036768
On the cause of [lettuce] seed deterioration in dry **storage** *[Germination].* 037845
Germination **studies** of Dianthus armeria and Dianthus deltoides. 037794
Germination **studies** and optimum testing method for Pittosporum tobira (Japanese pittosporum) seed. 037795
Effect of agallol and telodrine on *germination,* **telerering** and yield of different varieties of sugarcane in UDIC soils of Jamuna Nagar. 039551
The effect of some chemical compounds on *germination* of **uredospores** of Puccinia dispersa Erikss. et Henn. [Rust, rye]. 038732
Studies on selection forest of akamatsu (Pinus densiflora) in Kikuma-cho. 12. On the *germination* and **vanishment** of the natural seedlings and their height growth. 035638
Dehydrogenases of rice seeds with **varying** *germination* rate. 037536
Influence of microelements in a sporulation medium on subsequent water requirements for *germination* of **Verticillium** albo-atrum conidia. 038694
In vitro and in **vivo** *germination* of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. 038611
Methyl bromide fumigation. I. Effect of high dosages on breadmaking quality and *germination* of **wheat.** 033206
Vitamin biosynthesis by *germinating* **[wheat]** seeds at low temperature and in overmoistened soil. 037538
Development and *germination* of [the **yeast]** Candida albicanschlamydospores in relation to age. 037047

GERMPLASM
Registration of **alfalfa** *germplasm* from cultivated X wild hybrids. 036449
Registration of Oklahoma triticale **composite** I *germplasm.* 036453
Sources of disease resistance in **Digitaria** *germplasm.* 039070
Registration of 11 *germplasm* **lines** of Centana hard red spring wheat. 036455
Registration of elite **maize** *germplasm* lines. 036452
Gray leaf spot-resistant Lupinus angustifolius L. *Germplasm* from **plant** exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in tuber-bearing **Solanum** *germplasm* [Potatoes]. 036387

CR 17-1-34, Cercospora [cruenta] leaf spot resistant southernpea [Vigna unguiculata] *germplasm* [**South** Carolina]. 038634
CR 17-1-13, CR 18-13-1, CR22-2-21, cowpea curculio [Chalcodermus aeneus] resistant southernpea [Vigna unguiculata] *germplasm* [from **South** Carolina]. 039336
Registration of group B birdsfoot **trefoil** *germplasm*. 036450
Registration of group H birdsfoot **trefoil** *germplasm*. 036451
Registration of 20 lines of **wheat** *germplasm*. 036454

GERMS
The Rhodnius testis: hormonal effects on *germ* **cell** division. 039668
The Rhodnius testis: hormones, differentiation of the *germ* **cells,** and duration of the molting cycle. 039667
A new weevil of the genus Dorytomus [kerzhneri] *Germ.* **(Coleoptera,** Curculionidae) from the USSR. 040064
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the **male** *germ* cells. 034622
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic **male** *germ* cells [Mice]. 034758
Future utilization of Indonesian **orchid** *germ-plasms*. 038276
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in *germfree* **piglets.** 035064
The autonomous function of *germ* **plasm** in a somatic region of the Drosophila [melanogaster] egg. 039735

GESTATION
Iron supplementation for *gestational* **anemia:** a model field trial. 032424
Gestational **dietary** methionine level effects on performance and methionine-load response in three generations of rats. 032411
Impact of food and water contamination on *gestation* and **infant** growth. 032044
Gestation **length** in rabbits. Effect of aminoglutethimide phosphate, dexamethasone, pregnenolone and progesterone. 034663
The endocrinologic changes of *gestation* and **parturition** in the sheep. 034545

GHERKINS
The control of the greenhouse white [Trialeurodes vaporariorum] on *gherkins* with **insect** growth regulators and insecticides. 039349

GHETTO
Evaluation of a *ghetto* **school** breakfast program. 032352

GIBBERELLA
Cyclization and hydroxylation stereochemistry in the biosynthesis of gibberellic acid [by *Gibberella* **fujikuroi].** 037160

GIBBERELLIC
Isolation of *gibberellins* A5, A32, A32 **acetonide** and (+)abscisic acid from Prunus persica [Peaches]. 037619
Structure elucidation of *gibberellin* A32 and its **acetonide** [Peaches]. 037620
The influence of *gibberellic* **acid** and abscisic acid on cell and tissue differentiation of bean callus. 036323
Cyclization and hydroxylation stereochemistry in the biosynthesis of *gibberellic* **acid** [by Gibberella fujikuroi]. 037160
Effects of *gibberellic* **acid** and maleic hydrazide on certain biochemical indices of Scenedesmus obliquus [Algae]. 037274
Effects of *gibberellic* **acid** on DNA synthesis and histology in the shoot apex of Helianthus annuus [sunflowers] during the transition to flowering. 037383
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on *gibberellic* **acid** and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
The effect of GA3 *[gibberellic* **acid]** on the globulins of winter wheat grain during vernalisation. 037561
The effect of GA3 *[gibberellic* **acid]** on the germination of ageing lupin seeds. 037562
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 *[gibberellic* **acid]** on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
Effects of mechanical scarification, seed position and *gibberellic* **acid** on germination in Cherimoya (Annona cherimolia Mill). 037835
Investigations on the role of *gibberellic* **acid** (GA3) and chlorocholine chloride (CCC) in the process of rooting of willow (Salix viminalis L.) cuttings. 037901
Development and yielding ability of Fragaria ananassa Duch. [Strawberry] as **affected** with *gibberellin*. 037849
What is the possible role of *gibberellin* in the **breaking** of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
Gibberellin-like **compounds** in fresh and heat-treated barley. 033153
Hormonal regulation of hypocotyl elongation in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of *gibberellins* in the **elongation** of hypocotyl in seedlings grown in the dark. 037778
Effect of *gibberellin* and **kinetin** on the rate of photophosphorylation in maize seedlings. 037424
Translocation and metabolism of *[3H]gibberellins* by **light-grown** Phaseolus coccineus [scarlet runner beans] seedlings. 037819
Gibberellin **promotion** of physiological leaf spot [non-pathogenic disorders] in detached 'Golden Delicious' apple leaves. 037793
Gibberellin-like **substances** in potato tubers during their growth and dormancy. 037670

GIGARTINALES
Carrageenans in the cell walls of Chondrus crispus Stack. (Rhodophyceae, *Gigartinales).* I. **Localization** with fluorescent antibody [Algae]. 037152

GILTS *see* SWINE

GIN
DDT analog depletion patterns in steers *[Gin* **trash,** residues]. 039566

GINGER
Cytopathology of large cardamom and *ginger* **infected** with wheat mosaic streak virus. 038680
Structure of zerumbone oxide, a new sesquiterpene epoxy ketone from Zingiber zerumbet Smith (**wild** *ginger* oil). 037750

GINSENG
Quantitative analysis of dammarane type saponins of Panax and its application to the evaluation of the **commercial** *ginseng* tea and ginseng extract. 032869
Studies on the constituents of **Himalayan** *ginseng,* Panax pseudoginseng. II. The structures of the saponins. 2. 036903
Effect of *Ginseng* **[Panax** ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
Ginseng and its **role** in the hunting and industrial areas of the Maritime Territory. 038553
A colorimetric estimation of [Panax] *ginseng* **saponins.** 037187

GITOGENIN
Effect of cholesterol on growth & production of diosgenin, *gitogenin,* **tigogenin** & sterols in suspension cultures [Trigonella foenum-graecum]. 037452

GLACIAL
Summer phytoplankton [algae] photosynthesis in a northeastern **Ohio** *glacial* lake. 037145

GLADIOLUS
Biological studies on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on metabolism of *Gladiolus,* **Iris** and Crocus. 039013

GLANDS
The role of male **accessory** *glands* in insect reproduction. 039621
Cyclic guanosine 3',5'-monophosphate. High levels in the male **accessory** *gland* of Acheta domesticus and related crickets. 039640
A medical approach to **adrenal** *gland* problems: a report of three cases. 035333
A malignant neoplasm resembling a **circumanal** *gland* adenocarcinoma in a dog. 035309
Glandless **cotton** growing in Central and West Africa. Present situation of research. 037996
Intracellular control mechanisms regulating secretion by exocrine and **endocrine** *glands.* 033939
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on **endocrine** *glands* and reproductive organs [Injuries]. 035413
The **endocrine** *glands* of Chironomus thummi Kief. During larval development and metamorphosis. 039933
Electrogenic sodium pump in **exocrine** *gland* cells. 033937
The acinar ion and water transport processes in **exocrine** *glands.* 033943
Persistence of the *glandless* **genotype** in a composite cross of Upland cotton on the Texas High Plains. 036436
Glandular **hairs** are a possible means of limiting aphid [Macrosiphum euphorbiae, Myzus persicae] damage to the potato crop. 039312
Glandular **hairs** on [the potato] Solanum polyadenium lessen damage by the Colorado beetle [Leptinotarsa decemlineata]. 039313
Metabolic interrelations of hydroxy-substituted ether-linked glycerolipids in the pink portion of the rabbit **Harderian** *gland.* 033764
Plasma cells in the avian **harderian** *gland* and the morphology of the gland in the rook [Poultry, quail]. 033854
A procedure for location and removal of the lachrymal and **Harderian** *glands* of avian species [Chicken, quail]. 033863
Techniques and practice in milk production. 1. Lactation and milking [Physiology of **mammary** *gland].* 033737
The whey proteins as indicators of the physiological or of the pathological status of the **mammary** *gland.* 033747
Immunoglobulin-containing cells in pig **mammary** *gland.* 033996
Permeation of certain milk components through the cell membrane of **mammary** *glands.* 034139
Isolation of kallikrein from **mammary** *gland* of cows. 034160
The constituent concentrations of **mammary** *gland* secretions of non-lactating quarters as influenced by lactating quarters [Dairy cattle]. 034174
Electron microscopy study of the structure of cells of the **mammary** *gland* during various periods of lactation and under the effect of luteotropin. 034183
Electrophoresis of blood proteins, tissue of the **mammary** *gland* and milk in acrylamide gel. 034184
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the **mammary** *glands.* 034280
Conventional milking machines and the risk of infection of the bovine **mammary** *gland.* 035004
A Ca++ [calcium ions] ionophore A 23 187 simulating hormone and neurotransmitter action in the rat parotid and **pancreas** *glands.* 033947
Functional and fine structural relationships of **parathyroid** *glands* [Nutritional diseases, cows, dogs, rabbits]. 033726
Ductal reabsorption of Na [sodium] in 1:1 exchange for K [potassium] in sheep **parotid** *gland.* 033934
Autonomic regulation of secretory activity and growth responses of rat **parotid** *gland.* 033948
Membrane potential changes and secretion in **parotid** *glands.* 033954
Anatomical and histological study of the cabbage root fly Hylemya brassicae rectum on the occurrence of a **pheromone** *gland.* 039871
Characterization of the mannosyl and fucosyl transferases in the ovine anterior **pituitary** *glands.* 033817
Macroscopic observations on **pituitary** *gland* of Indian buffalo (Bos bubalis). 033980
A contribution to the study of the length of the **poison** *gland* of honeybee workers. 040284
Plasma cells in the avian harderian gland and the morphology of the *gland* in the **rook** [Poultry, quail]. 033854
Influence of boron on the development of puffs in the polytene chromosomes of the **saliva** *glands* of Drosophila melanogaster at the stage of the early prepupa. 039917
Evidence for electrogenic sodium pumping in the ductal epithelium of rabbit **salivary** *gland* and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
The effects of ductal ligation on the parenchyma of **salivary** *glands* of cat studied by enzyme histochemical methods. 033918
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in dog **salivary** *glands.* 033929
Control of kallikrein secretion from **salivary** *glands.* 033951
Innervation of **salivary** *glands,* morphological considerations [Rabbits]. 033953
Secretory potentials in cat, rabbit and mouse **salivary** *glands.* 033959
Secretory potentials in cat and possum **[Salivary** *glands].* 033960
The arterial supply to the **salivary** *gland* of Black Bengal goat. 033983
Secretory responses to sympathetic stimulation of the cat's **salivary** *glands* in a state of resting secretion. 034162
The **salivary** *gland* chromosomes of Telmatoscopus albipunctatus (Williston) (Diptera: Psychodidae). 039670
Puffing patterns during the fourth larval instar in Chironomus pallidivittatus **salivary** *glands.* 039677
Electrophoretic analysis of proteins of **salivary** *glands* and fat body in the development of Drosophila melanogaster. 039693
Hormonal induction of acid phosphatase activity in **salivary** *glands* of larvae of Drosophila melanogaster during metamorphosis. 039694
Association of telomeric regions of **salivary** *gland* chromosomes in "virilis" species of Drosophila. 039756
Comparative study of asynapsis of larvae **salivary** *gland* polytene chromosomes of Drosophila melanogaster, Drosophila simulans and their hybrids. 039757
The frequency of telomeric associations of **salivary** *gland* chromosomes in interspecific hybrids as an autonomous character [Drosophila]. 039767
Role of calcium and cyclic AMP [adenosine monophosphate] in controlling fly [Calliphora] **salivary** *gland* secretion. 039799
Chromosome puff activity and protein synthesis in larval **salivary** *glands* of Drosophila melanogaster. 039902
Influence of sodium arsenate on the polytene chromosomes of the **salivary** *glands* of Drosophila melanogaster at the stageof the early prepupa. 039918
Influence of a prolonged thermal influence on the activity of the polytene chromosomes of the **salivary** *glands* of Drosophila melanogaster. 039927
A freeze-fracture study of adult Calliphora **salivary** *glands.* 039937
Induction of the catalytic protein of (Na+ +K+) [sodium and potassium ions]-ATPase in the **salt** *gland* of the duck. 033800
The **scent** *gland* in foraging bees [Apis mellifera]. 040279

Skin histologic study of native and Indian buffaloes and their Bulgarian crosses. II. Sudoriparous and **sebaceous** *glands.* 034245
The ultrastructural localization of calcium in the avian **shell** *gland* [Chickens]. 034065
Biosynthesis of tRNA in the posterior **silk** *gland* of Bombyx mori. 040238
The amino acid sequence of the double-headed protein proteinase inhibitor from dog **submandibular** *glands.* I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Effects of ouabain on two types of active cation transport in the cat **submandibular** *gland.* 033936
Preliminary observations on the permeability of **submandibular** *glands* to horseradish peroxidase in rabbits. 033941
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by perfused main duct of rat **submaxillary** *gland.* 033935
Spontaneous secretion in the rabbit **submaxillary** *gland.* 033942
On secretory proceses and membrane potential of dogs **submaxillary** *gland.* 033956
The occurrence of C19 [carbon] steroids in testicular tissue and **submaxillary** *glands* of intersex pigs in relation to morphological characteristics. 034699
On the effect of serum gonadotropin and estrogen on the hormonal activity of the thyroid and **suprarenal** *glands* of cows. 034238
Current knowledge on the energy metabolism and the secretory mechanism of the eccrine **sweat** *glands.* 033933
Histological and cytological study of the **tergal** *gland* of Leucophaea maderea and its evolution during the sexual maturation of the male. 039625
Hormonal regulation of thermogenesis in goslings. Possible role of the **thyroid** *gland.* 033720
Appearance and disappearance of multiply ciliated follicular cells during development of the dog's **thyroid** *gland.* 033732
Carboxylic ester hydrolases in the **thyroid** *gland* of the guinea-pig. A light microscopic study. 033917
Effect of certain nuerohumors on **thyroid** *gland* [Chickens]. 033969

GLASS
Use of plastic in the cultivation of **cauliflower** under *glass.* 038519
Figures comparing the use of plastic and residue problems in the cultivation of cornsalad under **cold** *glass.* 038513
Further determination concerning breakdown of PCNB [pentachloronitrobenzene] in head lettuce **cultivated** under *glass.* 039596
Short day handling of early autumn head lettuce **[grown]** under *glass.* 037877
Effect of polyethylene and aluminium foil mulches at three plant populations on yields of *glass* **house** tomatoes. 038508
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl amino purine (kinetin) and [Bougainvillea] plant surfaces, *glass,* and **porcelain** ware. 037203
Comparison of two planting systems with **strawberries** under *glass.* 038511
Some views concerning short day effects on [growing] Redgauntlet under *glass* **[Strawberry** cultivars]. 037878
Weed control in **vegetables** under *glass.* 039187

GLASSHOUSES *see* GREENHOUSES

GLEYING
Genetic and chemical characteristics of **Meadow** *Gley* soils in the rice fields of Primor'ye. 040825
Turf-taiga *(frozen-gley)* soils. 040608

GLIADIN *see* PROLAMIN

GLOBINS
Rous sarcoma virus activates **embryonic** *globin* genes in chicken fibroblasts. 035188

GLOBULES
Ultrastructure of the milk **fat** *globule* membrane with and without triglyceride. 032952

GLOBULINS
High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of chicken corticosteroid **binding** *globulin.* 033868
Localization of **gamma** *globulin* in rice seed and changes in gamma globulin content during seed development and germination. 037338
Some properties of IgG [immunoglobulin G1] and IgG2 [immunoglobulin G2] *globulins* from **normal** and adjuvant stimulated guinea-pigs. 033925
Taxonomic patterns in amino-acids of Acacia **seed** *globulins* [from Australian species]. 036114
The effect of GA3 [gibberellic acid] on the *globulins* of **winter** wheat grain during vernalisation. 037561

GLOMERELLA
New records of three diseases *[Glomerella* **cingulata,** Sclerotinia sclerotiorum, Botryodiploidia theobromae] of chilli in India. 038700

GLOMERULAR
Natural remission of nephrotic syndrome in a dog with **immune-complex** *glomerular* disease. 035343

GLOSSINA
The microorganisms of tsetse **flies** *[Glossina].* 039438
Protection of livestock from tsetse *[Glossina* **morsitans]** bites by means of repellents [Cattle]. 039505
The timing of pre-meiotic chromosome pairing and duplication in *Glossina* **morsitans** morsitans assessed by radiation induced mutations. 039688

GLOSSOPTERIS
Morphologic interpretation of fertile structures in *glossopterid* **gymnosperms** [Paleobotany]. 036131

GLUCAGON
Effect of trauma on **plasma** *glucagon* and insulin concentrations in sheep [Metabolism]. 033845
Mediation of *glucagon* in the **response** of the domestic fowl to stress. 033864
Characteristics common to choleretic increments of bile induced by theophylline, *glucagon* and **SQ-20009** in the dog. 034150
Glucagon **stimulation** of hepatic gluconeogenesis in neonatal pigs. 034151

GLUCANS
Dynamics of the hydrolysis of **barley** *beta-glucan* under the action of various enzyme preparations. 033152
Glucanases in Schizosaccharomyces, isolation and propertiesof an *exo-beta-glucanase* from the **cell** extracts and culture fluid of Schizosaccharomyces japonicus var. varsatilis. 036817
The *chitin-glucan* **complex** of Saccharomyces cerevisiae [Yeasts]. III. Electron-microscopic study of the prebudding stage. 036311
The control of **extracellular** *1,3-beta-glucanase* activity in the basidiomycete species QM806 [Fungi]. 037314

GLUCIDES
Observations on the characteristics of the **nectar** *glucide* fraction of 5 fruit species [Prunus]. 037634

GLUCOCORTICOIDS
Bovine plasma oestrogens, progesterone and *glucocorticoids* during **dexamethasone** induced parturition. 034541
The *glucocorticoid* **receptor.** 033779

GLUCONEOGENESIS
Glucagon stimulation of **hepatic** *gluconeogenesis* in neonatal pigs. 034151

GLUCOPYRANOSIDES
Isolation of **s-butyl** *beta-D-glucopyranoside* from Acripeza reticulata. 039629

GLUCOSES
Influence of reduced diets on the *glucose-6-phosphate-dehydrogenase* **activity** of the fatty tissue in patients with metabolic-alimentary adiposity. 032491
Electron-cytochemical study in localization of *glucose-6-phosphatase* **activity** of cytoplasm of Funaria hygrometrica cells. 036365
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP **[adenosine** *diphosphate]-glucose* and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with rage of potatoes. 037814
Further studies on *glucose* **catabolism** in the early phases of germination of Phaseolus mungo seeds [Mungo beans]. 037479
Glucose-6-phosphate **dehydrogenase** in tobacco callus strains differing in their growth and their requirement for auxin and cytokinin. 037369
Stimulation of lactic acid production in chick embryo fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of **external** *glucose.* 034047
The effect of catecholamines on the metabolism of *glucose,* **fatty** acids, and on the heart frequency in goats. 034226
New [food] sweetener's big potential **[Fructose** *glucose* syrup]. 032805
Estimation of *glucose* in the **haemolymph** of the American cockroach, Periplaneta americana. 039680
Isolation of Ne-(2-furoylmethyl)-L-lysine (furosine) from an acid hydrolyzate of casein **heated** with *glucose.* 032927
Repression of the production of Verticillium [dahliae] polygalacturonase and cellulase by *glucose* **[Hops].** 038710
Trehalose and *glucose* **levels** in the hemolymph of Heliothis virescens parasitized by Microplitis croceipes or Cardiochiles nigriceps. 039271
Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the acid-catalyzed pyrolysis of cellulose and *1,6-anhydro-beta-d-gluco-pyranose* **(levoglucosan).** 035718
Formation and distribution of free amino acids in the mycelium of Cunninghamella elegans [fungi] during growth on **mediawith** *glucose* or dodecane. 037119
The effects of pregnancy and lactation on the activities in rat liver of some enzymes associated with *glucose* **metabolism.** 033816
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, *glucose* **metabolism** and urinary metabolite excretion in sheep. 034410
Kinetics of **3-O-methyl** *glucose* transport in red blood cellsof newborn pigs. 034062
Alpha-glucose **1-phosphate,** a precursor in the biosynthesis of maltose in higher plants [Gentiana lutea, spinach, Acer pseudoplatanus]. 037303
Re-incorporation of carbon atoms into **plasma** *glucose* in newborn dogs. 033848
Glucose **production** and its hormonal control in isolated chicken hepatocytes. 034202
Modification of iron and copper metabolism by dietary starch and *glucose* in **rats.** 032415
Glucose **repression** of the inducible catabolic pathway for pentitols in Rhodotorula gracilis [Fungi]. 037305
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, *glucose,* **sucrose,** and sodium chloride [Food contamination]. 032102
Effect of zinc depletion on *glucose* **tolerance** [Rats, animalnutrition]. 034308
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP **[uridine** *diphosphate]-glucose* pyrophosphorylase activities associated with rage of potatoes. 037814
On the uptake of *glucose* [by the **vines]** from root systems of true-rooted and grafted grapevines. 037723

GLUCOSIDASES
Changes in the *alpha-glucosidase* **activity** during slow autolysis of cattle muscular tissues. 034140
Activity of *beta-glucosidase* in **plants** with different boron requirements [Maize, wheat, beans]. 037578
Kinetic studies on the hydrolysis of p-nitrophenyl-beta-D-glucoside catalyzed by *beta-glucosidase* from **sweet** almond by means of the stopped-flow method. 033424
Separatian of the components of *beta-glucosidase* from **sweet** almond of the gel filtation. 033425

GLUCOSIDES
Kinetic studies on the hydrolysis of *p-nitrophenyl-beta-D-glucoside* **catalyzed** by beta-glucosidase from sweet almond by means of the stopped-flow method. 033424
A new **cyanogenic** *glucoside* from Heterodendron oleaefolium. 037157
Contribution to the explanation of the biogenesis of **cyanogenic** *glucosides* [in trefoil and flax]. 037501
The occurrence of **cyanogenic** *glucosides* in the cultivated plants [Field crops]. 037508
The variations in the content of **cyanogenic** *glucosides* in ontogenesis of bird'sfoot trefoil (Lotus corniculatus L.). 037510
Varietal and topographic variability of **cyanogenic** *glucoside* occurrence in bird'sfoot trefoil (Lotus corniculatus L.). 037511
Proof and isolation of **iridoid** *glucoside* from Galeopsis tetrahit L. (Labiatae) as well as structure elucidation of gluroside. 037148
Two new **iridoid** *glucosides* from Ixora chinensis. 037182
Homalicine & (-)-dihydrohomalicine, two new **isocoumarin** *glucosides* from Homalium zeylanicum Benth. 036985

GLUCOSINOLATES
Breeding for low content of *glucosinolates* in **rape** and turnip rape [Analysis]. 033299

GLUE
Strength and deformation of pitched-tapered Douglas-fir [Pseudotsuga menziesii] *glued-laminated* **beams.** 035900
Study of the nature of *glue* **joints** of wood. 035823
Testing for aging in *glue* **joints** of modified wood. 035824

GLUMES
Glume of **maize** Zea mays L. Male inflorescence damaged by Sorosporium reilianum (Kuehn) Mc Alpine. 038580

GLUTAMATE
The interaction of tetraiodofluorescein with *glutamate* **dehydrogenase** from bovine liver. 034211
Study of malate dehydrogenase and *glutamate* **dehydrogenase** activity in maize radicles after treatment with gamma rays. 037465
Comparative study of *glutamate* **dehydrogenases** of Chlorella [Algae]. 036827
Mutants of Aspergillus nidulans lacking nicotinamide adenine **dinucleotide-specific** *glutamate* dehydrogenase [Fungi]. 036561
In vivo conversion of 5-oxoproline to *glutamate* by **higher** plants. 037202
Investigations into the primary and tertiary structures of ox **liver** *glutamate* dehydrogenase. 034204
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically modified ox liver **mitochondrial** *glutamate* dehydrogenase. 033760
The induction of obesity in rodents by means of **monosodium** *glutamate.* 032190

GLUTAMIC
Studies on methionine imbalance in rats as influenced by supplementation of threonin, serin, glycine or *glutamic* **acid.** 034315
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT *[glutamic* **acid,** oxalacetic acid, transaminase] a. 034318
Inhibition of fungicidal action of cyano (methylmercuri) guanidine by cysteine and *glutamic* **acid** [of Sclerotium rolfsii]. 038697
Metabolism of 14C [**carbon** *isotope]-glutamic* acid and 14C-DL-arginine in chickens with different genotypes of the blood catalase. 033883
Purification and properties of bovine **uterine** *glutamic* dehydrogenase: a comparison with the liver enzyme. 033987

GLUTAMINE
The purification and properties of *glutamine-dependent* **asparagine** synthetase isolated from Lupinus albus [Lupine]. 037548
Avian **mitochondrial** *glutamine* metabolism. 034036

GLUTARALDEHYDE
Characterization of the phytochrome-containing particles obtained by *glutaraldehyde* **prefixation** of maize coleoptiles. 037477

GLUTATHIONE
Erythrocyte *glutathione* reductase activity as an index of riboflavin nutritional status in pregnant women. 032278
Species differences in **erythrocyte** *glutathione* reduction rates after oxidation with t-butyl hydroperoxide [Sheep, goats, dogs, horses]. 033988
The activity of *glutathione-reductase* and **flavin** adenine dinucliotide effect as indicators of the riboflavin allowance in experiments and in patients with phenylketonuria. 032498
Erythrocyte enzyme activities and *glutathione* **levels** of the horse, cat, dog and man. 033867
Effect of dietary vitamin E on the activity of *glutathione* **peroxidase** and nonprotein-sulfhydryl level in erythrocytes and plasma of rats. 032271
Glutathione **polymorphism** in the sheep red blood cells. 033986

GLUTEN
Characteristics of native and **modified** *gluten* proteins of wheat. 033229
Soy-fortified *gluten-free* bread. 032310
Wheat *gluten* as a pathogenic factor in schizophrenia [Cereal grain-free and milk-free diet]. 032458
Determination of **wheat** *gluten* content with "gluto matic" considering the problem in relation to varieties and marketing. 033231

GLYCERALDEHYDE
The thermostability of secondary structure of *d-glyceraldehyde-3-phosphate* **dehydrogenase** from thermus thermophilus characterized by a new method [Soil bacteria]. 040639
Glyceraldehyde-3-phosphate **dehydrogenases** from Euglena gracilis [Algae]. Purification and physical and chemical characterization. 036784

GLYCEROL
The effects of high tris, low glycerol and low tris, **high** *glycerol* on frozen ram spermatozoa. 034799
Influence of freeze rate, thaw rate and *glycerol* **level** on acrosomal retention and survival of bovine spermatozoa frozen in French straws. 034664
The effects of high tris, **low** *glycerol* and low tris, high glycerol on frozen ram spermatozoa. 034799
Effect of *glycerol* **solvent** on the activity of deep-frozen bull [semen] ejaculates. 034854
Effect of lactate on FFA [free fatty acid] and *glycerol* **turnover** in resting and exercising dogs. 034012

GLYCINES
Participation of aspartic acid and *glycine* in **biosynthesis** of threonine in isolated roots of Vicia sativa L. [Vetch]. 037707
Glycine **canescens** F. J. Herm., a wild relative of the soybean [Morphological, cytological, and certain chemical characteristics]. 036301
Effect of experimental Neguvon intoxication on iron, copperand 14 C [carbon isotope] *glycine* **content** in the blood of poultry. 035404
Metabolism of L-leucine-U-14C [carbon isotope] in young rats fed **excess** *glycine* diets. 034252
A wild relative of the soybean. Of the nine currently knownspecies in the Glycine genus, the most unusual is *Glycine* **falcata,** a native of Australia. 036023
Volatile heterocyclic compounds in the reaction of glyoxal with *glycine* [**Food** flavor]. 032855
A wild relative of the soybean. Of the nine currently knownspecies in the *Glycine* **genus,** the most unusual is Glycine falcata, a native of Australia. 036023
Studies on methionine imbalance in rats as influenced by supplementation of threonin, serin, *glycine* or **glutamic** acid. 034315
Chemical mutagenesis in **soybean** *(Glycine* max (L.) Merrill) using ethyl methanesulphonate and hydroxylamine hydrochloride. 036596
Contribution of symbiosis to the nitrogen needs of **soybean** *(Glycine* max L. Merr.). 037334
Studies on selected hosts of Rotylenchulus reniformis and its pathogenicity to **soybean** *(Glycine* max) [Nematodes]. 039045
Identification of *glycine* in the **synaptic** vesicles of the bovine cortex. 034114
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and **tritiated** *glycine.* 034302

GLYCININ
The structure, physical and chemical properties of the soybean **protein** *glycinin.* 037365

GLYCOALKALOIDS
Glycoalkaloids of the **potato** [Metabolism]. 037800

GLYCOGEN
Accumulation, mobilization and turnover of *glycogen* in the **blue-green** bacterium Anacystis nidulans [Algae]. 037302
A **brachial** *glycogen* body in the spinal cord of the domestic chicken. 034068
Glycogen **demonstration** in the leucocytes of healthy and leucotic cattle [Leukemia]. 035373
The role of potassium ion in **muscle** *glycogenolysis* and glycolysis [Dogs]. 034156

GLYCOHYDROLASE
Poly(adenosine diphosphate ribose) *glycohydrolase* in **Physarum** polycephalum [Slime molds]. 036786

GLYCOL
Changes of *glycolic* **acid** oxidase and peroxidase activity in maize leaves during the vegetation period. 037333
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and **ethylene** *glycol* tetraacetic acid (EGTA). 034986
Rate of passage of chromic oxide and **polyethylene** *glycol* and digestibility in the digestive tract of pigs. 034424

GLYCOLATE
Effect of nitrogen nutrition on *glycolate* **oxidase** activity in [broad] bean and corn plants. 037580
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and *glycolate* **oxidizing** enzymes [Algae]. 037153
Regulatory action of blue light on the activity of carboxylating enzymes and enzymes of the *glycolate* **pathway** in broadbean and maize plants. 037449

GLYCOLYSIS
The comparative effects of vitamin D deficiency and ethane1-hydroxy-1,1-diphosphonate administration on the histology and *glycolysis* of **chick** epipiphyseal and articular. 033844
The role of potassium ion in muscle glycogenolysis and *glycolysis* **[Dogs].** 034156
Development of *glycolytic* and **mitochondrial** activities in the early phase of germination of Phaseolus mungo seeds [Mungo beans]. 037478
Postmortem *glycolytic* and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773

GLYCOPROTEINS
Induction of **haploid** *glycoprotein* mating factors in diploid yeasts [Hansenula wingei]. 037103
Glycoprotein **metabolism** in the cotyledons of Pisum sativum peas] during development and germination. 037812
The digestion of the *glycoprotein* from **pig** gastric mucus with pepsin and other proteolytic enzymes. 034209
Isolation and characterization of a **sulfated** *glycoprotein* from rabbit uterus. 034027

GLYCOSIDASES
The effect of ionizing radiation CO60 [cobalt isotope] on *glycosidases* and **haemolymph** proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402

GLYCOSIDES
Preliminary investigation of the *glycosides* of **Clematis** orientalis. 036895
Weak polar cardenolide from Convallaria majalis L. Allomethylose as a sugar component of **Convallaria** *glycosides.* 13. 037150
Linaroside—a new **flavone** *glycoside* from some species of Linaria [kokanica, Linaria sessilis]. 036889
Aglycone composition of the **flavonoid** *glycosides* of Astragalus mongolicus. 036869
New **flavonol** *glycosides* from the needles of Larix sibirica. 037905
Studies on the constituents of flowers. V. On the components of flower of [Kudzu] Pueraria thunbergiana Benth. 2. Isolation of a new **isoflavone** *glycoside.* 037482
Glycosides of **kaempferol** from Campanula hypopolia. 036882
Conditions for splitting protodioscine, the **main** *glycoside* from Tribulus terrestris L. by the enzymic preparation of Aspergillus niger BKMt-33 [Fungi]. 037210
Passiflorine, a **new** *glycoside* from Passiflora edulis [Granadilla]. 037807
Isorhamnetin & **quercetin** *glycosides* from Dodonea viscosa & Sapindus emarginatus. 036986
Steroid *glycosides* from the leaves of Agava americana L. 036913
Studies on the Chinese crude drug "shoma". III. **Triterpene** *glycosides* from Cimicifuga japonica and structure of 25-anhydrocimigenol arabinoside. 037074
Glycosides of **Vaccaria** segetalis. V. Vaccarin. 036883
Glycosides of **Vaccaria** segetalis. VI. 036884

GLYOXAL
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a **dilute** *glyoxal* bis(2-Hydroxyanil) solution[Chick embryos]. 033842
Volatile heterocyclic compounds in the reaction of *glyoxal* with **glycine** [Food flavor]. 032855

GLYPTOTENDIPES
A key to larvae of the **genus** *Glyptotendipes* (Diptera, Chironomidae) in wter bodies of the Moscow district [New taxa]. 040172

GMELINA
The isolation and structure of 6"-bromo-isoarboreol—the first bromine containing lignan *[Gmelina* **arborea].** 037300

GNATHOTRICHUS
Synthesis of optically active forms of sulcatol. The aggregation pheromone in the scolytid beetle, *Gnathotrichus* **sulcatus.** 039934

GNATS
Attractants for synanthropic flies: Identification of attractants and coattractants for Hippelates [collusor] **eye** *gnats* (Diptera: Chloropidae). 039467

GNORIMOSCHEMA
Chemical control of the potato tuber worm, *Gnorimoschema* **operculella** Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350

GOATS
The arterial supply to the salivary gland of Black **Bengal** *goat.* 033983
Polledness and intersexuality in the Damascus **breed** of *goat.* 034562
Animal **brucellosis** *[Goats].* 034968
Factors affecting feeding value of pangola grass (Digitariadecumbens, Stent) in a humid tropical **climate** *[Goats].* 034291
Species differences in erythrocyte glutathione reduction rates after oxidation with t-butyl hydroperoxide [Sheep, *goats,* **dogs,** horses]. 033988
Kids **eat** and learn during school recess. 032691
Livestock at the agricultural **fair:** the *goat.* 033602
The effect of catecholamines on the metabolism of glucose, fatty acids, and on the heart **frequency** in *goats.* 034226
Goat **keeping** miscellanea. 033626
The effects of indomethacin on the pulmonary vascular response to hypoxia in the premature and **mature** *goat.* 034155
Sheep and *goats* for **meat** production under tropical conditions. 033678
On the relationship between activity of rumen microbes and cobalt level in the culture **medium** *[Goats].* 034089
Studies of xanthine oxidase in *goat* **milk.** 032968
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of *goat* **milk.** 034317
Kids can be **raised** on limited amounts of milk substitutes. 034364
Now, hot lunch for all *kids* at **Reading** schools. 032656
Serological relationship of taxonomically closely related domestic ruminants: cattle, buffalo, **sheep** & *goat.* 033972
Prostaglandins and reproductive processes in female **sheep** and *goat.* 034645
Results obtained in the treatment of udder ulcers [Cows, *goats,* **sows,** ewes]. 035371
Naturally occurring cerebrospinal parelaphostronglyosis [Parelaphostrongylus **tennuis,** *goats].* 035051

GOITER
Endemic *goiter* and antithyroid agents. 032420

GOLD
Our food supply—the passing of the *golden* **age.** 031844
Golden **beans** from China now our no. 1 cash crop [Soybeans]. 038183
Results of cropping system trials with the apple **combination** *'Golden* Delicious'/M9. 038319
Peroxidase activity in *Golden* **Delicious** apples as a possible parameter of ripening and senescence [in storage]. 033415
Study of Andrena carantonica behavior during blooming of *Golden* **Delicious** apple trees [Insects as pollinators]. 039624
Gibberellin promotion of physiological leaf spot [non-pathogenic disorders] in **detached** *'Golden* Delicious' apple leaves. 037793
Citrus: *golden* **fruit** on the menu yields gold. 032629
Brugia pahangi: susceptibility and macroscopic pathology of *golden* **hamsters.** 035058

ARA's nutrition rainbow leads school **lunch** to *gold.* 032544
Changes in polyphenoloxidase activity and substrate levels in **maturing** *'Golden* Delicious' apple and other cultivars. 037729
Dietary effect on subsequent growth of the Silver Montazah and the *Golden* **Montazah** chicks. 034259
Dietary effect on the performance of the Silver Montazah and the *Golden* **Montazah** pullets. 1. Rate of lay [Egg production]. 034260
Dietary effect on the performance of the Silver Montazah and the *Golden* **Montazah** pullets. 2. Egg size. 034261
Dietary effect on the performance of the Silver and the *Golden* **Montazah** pullets. 3. Feed utilization and livability. 034262
"The *Golden* **Montazah"**, a new hybrid of chickens. 034551
Dietary effect on the performance of the Silver Montazah and the *Golden* **Montzah** pullets. 4. Egg fertility and hatchability. 034263
Citrus: golden fruit on the menu **yields** *gold.* 032629

GOLDENROD
Insects and spiders from year-old galls caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on *goldenrod,* **Solidago** canadensis L. 039233

GONADS
Immunization against *gonadotropins* in **dogs.** 035071
Distribution of *gonadotropic* **hormones** labelled with 125I [iodine isotope] in animal organs and tissues. 034182
Investigations into puberty inducement with prepubescent gilts by means of *gonadotropic* **hormones.** 1. Estrus evolution of puberty induced gilts and fertility results following artificial insemination. 034575
Investigations into puberty inducement with pre-pubescent gilts by means of *gonadotropic* **hormones.** 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
Ways to achieve superposition of lactation and pregnancy by administration of *gonadotropic* **hormones** [Swine]. 034756
In vitro release of *gonadotropins* from the **pituitary** of cocks by an analogue of luteinizing hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Follicular population and body weight in relation to genetic differences in ovarian response to *gonadotropin* in **rats.** 034662
Effect of GnRH *[gonadotropin* **releasing** hormone] on estrus, ovulation and fertility in the mare. 034723
Regulation of *gonadotrophin* **secretion** in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of *gonadotropin* **secretion** in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
On the effect of **serum** *gonadotropin* and estrogen on the hormonal activity of the thyroid and suprarenal glands of cows. 034238
Ovulation rate in ewes treated with pregnant mares' **serum** *gonadotrophin* and luteinizing hormone releasing factor. 034657
Gonadotropin and **subunit** conformation [Sheep pituitary hormone]. 033762
Enzyme activity in kidney, adrenal and *gonadal* **tissue** of rats treated neonatally with androgen or oestrogen. 034055

GONYAULAX
Isolation of *Gonyaulax* **tamarensis** toxins from soft shell clams (Mya arenaria) and a thin-layer chromatographic-fluorometric method for their detection. 032068

GOOSEBERRIES
Quantitative aspects of flowering in the **Chinese** *gooseberry(Actinidia* chinensis Planch.). 037789
Pollinaton is essential for **Chinese** *gooseberries.* 037880
Cultivars of **Chinese** *gooseberry* (Actinidia chinensis) in New Zealand. 038290
Effect of defoliation, shading, and tipping of shoots on flower bud development and vegetative growth of **Chinese** *gooseberry* (Actinidia chinensis Planch.). 038416
Chinese *gooseberries* are test of strength for trellises. 040541
Growing currants and *gooseberries* **[Culture].** 038220
A method for culturing root aphids [Eriosoma patchae, Eriosoma ulmi, Senecio, **currants** and *gooseberries].* 039699

GOSLINGS *see* GEESE

GOSSYPIUM
Hybrids lines from the cross between Gossypium hirsutum L. and *Gossypium* **barbadense** L. [Cotton]. V. Separation and relative importance of the genetic effects for the fiber yield and length. 036418
Natural cross pollination in Egyptian **cotton** *(Gossypium* barbadense L.). 037469
Effect of plant density and time of thinning on the yield of seed cotton and lint percentage of Egyptian **cotton** *(Gossypium* barbadense L.). 038185
A comparative analysis of growth of ten Egyptian cotton **cultivars** *(Gossypium* barbadense L.). 037609
Hybrids lines from the cross between *Gossypium* **hirsutum** L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the fiber yield and length. 036418
Chromosome pairing in triploid F1 and hexaploid F1, F2, and F3 generation of *Gossypium* **hirsutum** L. X Gossypium sturtianum Willis [Cotton]. 036424
Hill reaction and delayed fluorescence in mutants of *Gossypium* **hirsutum** [Cotton]. 037442
Survey of the **regional** *Gossypium* hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. 036391
Chromosome pairing in triploid F1 and hexaploid F1, F2, and F3 generation of Gossypium hirsutum L. X *Gossypium* **sturtianum** Willis [Cotton]. 036424

GOSSYPOL
Survey of the regional Gossypium hirsutum L. Primitive race collection for **flowerbud** *gossypol* [Breed for resistance to the cotton bollworm, Heliothis virescens]. 036391

GOUDA *see* CHEESES

GOURDS
Studies on the interaction between *bottle-gourd* **mosaic** virus and powdery-mildew fungus, Sphaerotheca fuliginea. 038913
The influence of *bottle-gourd* **mosaic** virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Residues of carbaryl [insecticide] in **ridge** *gourd* (Lufa acutangula Roxb.: Cucurbitaceae). 039230

GOURMET
Gourmet **search** (Game). 032696

GOVERNMENT
Tax exempt feed concentrates during a critical period do not cost the *government* a **coin** [Costs, dairy cattle]. 031479
A comparative study of races of stem rust [Puccinia graminis tritici] of wheat: relation of temperature as a **factor** *governing* their prevalence. 038642
The regional production structure of agriculture in Lower Saxony. State, development and *governing* **factors.** 031162
Butterfly conservation: the right way, the wrong way, the *government* way. 039806
Committee on Commodity Problems, *Intergovernmental* **Group** on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. 031564
Committee on Commodity Problems, *Intergovernmental* **Group** on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. 031565
Committee on Commodity Problems, *Intergovernmental* **Group** on Jute, Kenaf and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. 031756
Committee on Commodity Problems. Report of the ninth session of the *Intergovernmental* **Group** on Hard Fibres; Rome, 30 June-4 July 1975 [Situation studies]. 031799
Committee on Commodity Problems, *Intergovernmental* **Group** on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. 031979
Committee on Commodity Problems, *Intergovernmental* **Group** on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. 031980
Government **policies** and actions to control inflation. 031837
Government **policy** of investment in the sugar sector. 031434
Government **policy** and the world food supply. 032536
Environmental protection: *government* **priority.** 041594

GRACILARIA
Rheological properties of agar-agar gels: the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of *Gracilaria* **[blogetti]** and Gelidium [amansii, seaweeds]. 037137
Fatty acid composition of lipids in some species of marine algae [Codium fragile, *Gracilaria* **vercosa,** Undaria pinnatifida, Sargassum]. 036852
Research on photosynthetic pigments of *Gracilaria* **verrucosa(Huds.)** papenfuss [Algae]: quantitative determination of phycoerythrine. 036952

GRADING
Current state, trends and problems relating to *grading* **apples** [by various countries]. 032027
State and development of swine carcass evaluation and its **conversion** for *grading.* 032133
Drinking milk *[Grading,* **distribution,** Brazil]. 032130
Tests for judgement of aptitude to be organoleptical examiner **[Food** *grading].* 032025
Connection between August and November **gradation** *grading* of mink pups [Performance]. 034843
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by *grade,* 1970-74. 031980
Lumber recovery from large, highly defective, **low** *grade* coast Douglas-fir [Pseudotsuga menziesii]. 035893
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of *graded* **lysine** supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. *Graded* **lysine** supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Comparative efficiency of triphenyl tetrazolium chloride reduction test for *grading* of **milk.** 032081
Evaluation of the amino acid content and the proximate composition of several varieties and *grades* of **peanuts.** 033571
Sieving, straining and *grading* **[Processing** dairy products]. 033019
International standardization of fruits, vegetables and their derived **products** *[Grading].* 031983
The proposed beef carcass **quality** *grade* changes. 032108
Committee on Commodity Problems, Intergovernmental Group on Hard Fibres; tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca **requirements** by *grade.* 031979
Directions of the rationalization of **roundwood** *grading* rules in Poland. 035870
USDA *[grade]* **standards** for food and farm products. 031942
Measurement of the size and size distribution of milled rice *[Grading,* **standards].** 031981
Studies on the nutrient content of the liver, pectoral muscle, total body and eggs of hens as influenced by *graded* **supplies** of vitamin B6. 034316
Recommended limiting spans for rafters made from *graded* **timber** [Dipterocarpus]. 035757

GRAFTING
Effect of *grafting* **dates** on the growing together of rootstock and scion [Grapes]. 038468
On *grafting* **dates** for Juglans regia. 038473
Mechanized testing of *grafted* **grape** seedlings in cross-section [Propagation]. 038472
On the uptake of glucose [by the vines] from root systems of true-rooted and *grafted* **grapevines.** 037723
New method for **pear** *grafting.* 038397
Feasibility of **producing** *grafted* mangoes in Reunion. 038301
Investigation of some biochemical indices in grapevine berries in **relation** to *grafting.* 037854
Experimental studies on autogenous **skin** *grafting* in bovine [Cattle]. 033979

GRAFTS
Dietary counseling for patients admitted for coronary artery **bypass** *graft.* 032348
Graft **combinations** of a number of cultivated hazelnut varieties on the rootstock Corylus colurna L. 038408
Graft **polymerization** of wood fiber. 035858
Rooting of walnut [Juglans] *grafts* depending on the **supply** of water. 037667

GRAINS
Bangladesh *grain* crops on uptrend, but imports heavy [Production]. 031601
Effects of nitrogen fertilization on the quantity and quality of protein in **barley** *grains.* 041009
Studies on the cultural procedures of *grain* **bean** as an irrigated catch crop. 038451
The oviposition and development of the *grain* **beetle** Oryzaephilus mercator faur. on dry fruit meals (Coleoptera, Cuciyidae). 039422
Plans and achievements of **Briansk** *grain* farmers. 031936
A survey of mites in **bulk** *grain* stored on farms in England and Wales. 039414
The effects of cooling on mite infestations in **bulk** *grain.* 039418
Wheat gluten as a pathogenic factor in schizophrenia **[Cereal** *grain-free* and milk-free diet]. 032458
Irradiation of **cereal** *grains* and cereal grain products [for preservation]. 033216
Lipids of seven **cereal** *grains.* 033256
Relative amylase activity of some malted **cereal** *grains.* 033269
The violation of the time limit [for harvesting] leads to losses of *grain* [of **cereal** crops]. 038203
Insect injuries of **cereal** *grains* [Storage pests]. 039413
Stimulation of the quality [of *grain* of **cereals,** legumes and buckwheat, through state procurement prices]. 031511
Process of dry matter accumulation into the kernel and *grain* **characteristics** of Japonica and Indica rice [Varieties]. 033288
Adaptation of *[grain* **cleaning** unit] ZAV-20 for sunflower seeds. 040545
Flow line management of labor in the postharvest processing of *grain* [on **collective** farms]. 031397
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and red **colors** of the *grain.* 036692
The harvesting of mustard with *grain* **combines.** 040548
Results of an inquiry made by the Veterinary Department on Fusarium **contaminated** *grain* of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. 034495

Fermentation, utilization and palatability of broiler litter ensiled with high moisture **corn** *grain* [Sheep, cattle]. 034471
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on biomass production of **corn** *grains* (Zea mays L.) [Maize, pests]. 039015
Fungicide treatments for winter **crops** *[Grain].* 038741
Changes in abscisic acid levels in **developing** *grains* of wheat (Triticum aestivum L.). 037476
Grain **development** and amylase activities in rye and triticale compared with wheat. 037486
Effect of dried grass and whole *grain* in the **diet** of early-weaned lambs on performance and carcass fat quality. 034296
Evaluation of costs for **drying** *grain* in batch or cross-flow systems. 033300
The frequency of sowing wheat in crop rotations and the quality of *grain* [in the Far **East** of USSR]. 038199
Farm *grain* storage gives you more market muscle. 031719
Spanish growers turn to **feed** *grains.* 033496
Moisture conservation in **feed** *grain.* 033513
Post harvest losses in **food** *grains.* 031435
New thoughts concerning the cultivation of **forage** *grains.* 038070
The *grain* **goes** to the radiologist [Insect pest and food quality control]. 039412
Frit fly [Oscinella frit] in *grain* and **grass.** 039293
Partial purification and characterization of the lipoxygenase from *grains* of **Hordeum** distichum [Barley]. 037514
Scanning electron microscopy of the endosperm of cereal crops. 4. Starch cell layer of **imperfect** *grain* of rice (nonglutinous) and glutinous rice. 033196
Venezuela to continue as *grain* **importer** in future. 031615
Possibility of diagnosing resistance of *grain* **legumes** to low positive temperatures from physiological indexes. 037419
Comparative productivity of *grain* **legumes** [for food and feed, Mordvinian ASSR]. 038190
About the major changes in the varietal zoning of *grain* **legumes** [Peas, kidney beans, chick-peas]. 038535
Preparing and using **maize** *grain* silage with high humidity rate as fodder for fattening cattle. 033573
Effect of mineral fertilizer application dosage, dates and methods on the yield and quality of **maize** *grain.* 041121
Influence of seed rate and sowing method on some quantititative characters in **mash** *[Grain].* 038230
The interaction of structural and regulatory genes controlling the color of the *grains* of **millet** (Panicum miliaceum L.). I. Inheritance of the yellow and red colors of the grain. 036692
Fusariotoxicosis [Fusarium] from barley in British Colombia. I. Natural occurrence and diagnosis [Feeding of **mouldy** *grain* to livestock]. 035396
Planning and keeping records of transportation **operations** with *grain.* 031398
Feed concentrates as meal, *grain,* or **pellets** for laying hens? 034433
Diagnostic characters of saccate **pollen** *grains.* 036342
Role of the generative cell in androgenesis in henbane [Anthers, uninucleate **pollen** *grains].* 036355
Estimate of *grain* and **pork** prices in the USA during the coming year. 031742
The improvement of the price system [in state **procurement** of *grain].* 031512
Performance of Setaria italica (L.) P. Beauv. (Foxtail millet) varieties for *grain* **production.** 038082
Rice: going with the *grain* for **profits.** 032636
A new machine and method for bulk treatment of pulses with *grain* **protectants** against pulse beetle Callosobruchus maculatus fab. (Bruchidae-Coleoptera). 039250
A new method of analysis of protein content in *grain* by **proton** activation. 033198
The [Neotec] *Grain* **quality** Analyzer. 033225
Grain **quality** and swine production. 034430
Advanced harvesting-transportation complexes [for **removing** *grain* from the fields]. 031396
Breakage of *long-grain* **rice** in relation to kernel thickness. 033201
Drying and processing **rice** *grain* in the Maritime territory. 033309
Changes in the composition of nitrogen fractions in the **ripening** *grain* of cereals. 037499
The activity of alpha-amylase in the **ripening** *grain* of different rye varieties as affected by some environmental factors. 037505
Methods of the evaluation of the nutritive value of protein in **rye** *grain.* 032459
Levels of water-soluble carbohydrate in the pre-anthesis ear of wheat, and *grain* **set** per spikelet. 037485
Nebraska spring **small** *grain* variety tests, 1975. 038093
Nebraska varietal tests of fall-sown **small** *grains,* 1975. 038094
Effect of southern Chernozem-Solonetz characteristics on **small** *grain* crop yields. 040723
No till and seedbed production of **small** *grains-ryegrass* [Lolium] mixture for forage in east Texas [Cynodon dactylon]. 041147
The effect of fertilizer application to peas grown for *grain,* in various **soil** and climatic areas in Bulgaria. 041033
Comparison of the digestibility of various **sorghum** *grain* varieties [Beef cattle]. 034439
Corn and *grain* **sorghum** performance tests, 1976 [Varieties, yields]. 038141
Relationship of supplemental biotin, protein level, and *grain* **source** to reproductive performance of turkeys. 033103
Harvesting of maize with self propelled combine C-12 equiped with devices for **spadixes** and *grains.* 040519
Falling number and amylograph viscosities of wheat flour made from *grain* **stored** for several years. 033281
The origin and sources of mite infestation of **stored** *grain* and related products in the Republic of Ireland. 039419
The use of pirimiphos-methyl to control mites in **stored** *grain.* 039420
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of **stored** *grain].* 039428
Bulgaria **stresses** *grains,* oilseeds [Production]. 031602
The production [of *grain]* of **strong** wheat [varieties] is increasing [in the Krasnodar territory]. 038201
Ocean shipping highlights in *grain* **trade** [Statistics]. 031583
Protein and amino acid compositions of dry-milled and air-classified fractions of **triticale** *grain.* 033209
The fatted calf: more **weight** *grain* with less feed. 034486
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the *1000-grains* **weight** and seed germination of wheat. 038132
Nutritional bioassay of **wheat** *grain* for a wheat breeding program. 032303
Study of the variability of some anatomical-morphological properties of **wheat** *grain.* 036358
The effect of GA3 [gibberellic acid] on the globulins of winter **wheat** *grain* during vernalisation. 037561
Influence of some herbicides on the content and composition of nitrogen fractions in *grain* of several **wheat** varieties; report. 039149
Bowing in roof joists induced by moisture gradients and slope of *grain* **[Wood].** 035889
World *grain* situation: outlook for 1975/76 [Statistics]. 031760
Heterosis and combining ability in a spring wheat diallel cross. I. *Grain* **yield** and its components. 036378

GRAMINEAE

New aspects concerning the cultivation of **perennial** *gramineous* plants for seed. 038145
Formation and development of spermia in some angiosperms. I. **Poaceae** *(Gramineae).* II. Asteraceae (Compositae). 036285
Sorus ontogeny and sporogenesis in some smut fungi [Ustilago and **Sorosporium** on *Gramineae].* 038577

GRANADILLA

Passiflorine, a new glycoside from Passiflora **edulis** *[Granadilla].* 037807

GRANARIES

Studies of interspecific competition at early growth stages of a population of *granary* **beetles** (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428

GRANITE

Geotechnical management of forest lands in *granitic* **terrane.** 035607

GRANULARITY

Effect of *granular* **feeds** on metabolism in sheep. 034509
Semiautomated determination of Di-Syston in *granular* **formulations** [Systemic insecticide, for the control of sucking insects and mites on plants]. 039227
Effects of the *granular* **soil** fumigant Basamid on germination, growth, weed control, and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578

GRANULATION

Granulated **etherel** and ARD-1266 as potential branch inducing agents of geraniums. 036944
Producing **finely** *granulated* or creamed honey. 032828
Press for *granulation* **GM-500** [Feed compressing equipment]. 040532

GRANULES

The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal **chromaffin** *granules* [Cattle, rabbits, rats]. 034118
Calcium localized in **juxtanuclear** *granules* of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) solution[Chick embryos]. 033842
The membrane of **secretory** *granules:* structure, composition and turnover. 033963
Sevidol *granule* for the control of sugarcane shoot borer Chilo infuscatellus Snell. 039287
Distribution and quantity of **starch** *granules* in sugarcane tissues. 036332
Evaluation of a number of systemic fungicides for the control of **Typhula** *incarnata* in winter barley. 038837

GRANULOCYTES

Myeloproliferative disorders in the cat. 3. Progression from erythroleukemia into *granulocytic* **leukemia.** 035314

GRANULOMAS

Parasitic *granulomas* in reindeer. A histopathological, parasitological and bacteriological study. 035173

GRANULOSIS

Field tests using a *granulosis* **virus** to control the codling moth (Laspeyresia pomonella (L.) [Apple pests, biological cntrol]. 039370

GRAPEFRUIT

The juice of the **Italian** *grapefruit.* 033368
An unusual flowering and fruiting habit of *grapefruit* in the **Khuzestan** area of Iran. 037727
Post maturity changes and keeping quality of **seedless** *grapefruit* 'Pink Marsh' in relation to the age of harvest. 033345
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of *grapefruit* **seeds** causing bitterness of juices]. 033414

GRAPES

Phytotoxicity and biological efficacy of fungicides with special consideration to the technique of **application** *[Grapes].* 038637
Fertilizers **applied** to *grapes.* 041091
The presence of the *grape* **black** rot [Guignardia bidwellii] in La Spezia Province. 038728
Grape **breeding** and adaptation [for insect pest resistance]. 036538
Properties of the polyphenol oxidase of *grapes* of the **Cabernet** Sauvignon variety. 033343
Hereditary transmission of certain traits and properties relative to reciprocal inter-varietal **crosses** of *grapes.* 036533
Focal points of *[grape]* **cultivation.** 038370
Renovate, with or without incitement subsidy *[Grape* **culture].** 031370
On the problem of selecting an efficient system of *grape* **culture.** 031376
World situation of *grape* **culture** in 1974. 031797
Preparation of a global grape and wine policy. *Grape* **culture.** 031929
Bacchus in Apulia *[Grape* **culture,** wine, history]. 038233
Present situation on *grape* **culture** in Europe. 038399
Technology—the manufacture of electric heating elements on a plastic base *[Grapes,* **culture].** 040388
The SZU-1-000 general-purpose grinder [Mechanization, *grape* **culture].** 040534
Use of garbage compost in *grape* **culture.** 041092
Weather, development of *grapes,* **diseases,** pests and damages in vineyards in the German Federal Republic during 1974/75. 039075
Effect of synthetic growth substances on endogenous growth regulators during organic **dormancy** of *grape.* 037665
On the causes of various frost resistances of *grapes* under **earth** coverings. 037843
Evapotranspiration of *grapes.* 037738
Previous experience with the chemical defoliation of vines to **facilitate** *grape* harvesting. 038411
Fertilizing *grapes.* 041113
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone **fruits,** *grapes].* 039104
Transmission of **fungus** *grape* diseases by willow twigs [Phomopsis viticola]. 038830
Preparation of a **global** *grape* and wine policy. Grape culture. 031929
Mechanized testing of **grafted** *grape* seedlings in cross-section [Propagation]. 038472
The *grape* **grower** and clone selection. 038532
Adult education [for *grape* **growers].** 038368
Communications relating to the 1973-1974 agricultural season. II. The 1974 *grape* **growing** season and situation of French viticulture. 031769
Policy on *grape* **growing** and wine production in the EuropeanEconomic Community [Legislation]. 031786
Study of frost resistance and regenerative ability of certain white wine varieties of *grapes* **grown** with high-training in the Pleven District. 037726
A first glimpse of the 1975 *[grape]* **harvest.** 038461
Mechanization of the *grape* **harvest** in the Cognac area. 040528
The state of motorization of the *grape* **harvest** on the eve of demonstrations of Montpellier-Lavalette, November 4-6, 1975. 040529
Effect of *grape* **harvesting** and sorting methods on keeping quality. 033458
About the [experiment of] **harvesting** *grapes* with a combine. 038522
Greeneria fuliginea Scribner and Viala causing bitter rot of *grapes* in **India.** 038688
Resistance to acaricides of outdoor populations of the fruit tree spider mite Panonychus ulmi **(Koch)** on *grapes.* 039369
Effect of yellow mosaic on the composition of free amino acids in the *grape* **leaves.** 038902
Transformation of ultrastructure of *grape* **leaves** under the effect of infectious chlorosis virus. 038941
Functional role of photoinduced electric response of the plant during uptake of phosphorus from soil in the light **[Maize,** *grapes].* 036940
Present state of works on genetic and sanitary clonal selection. Method and results, spread of selected **material** *[Grapes].* 036404
The selective effect of protecting substances [fungicides] on the **microflora** of *grapes.* 038746
Growing **muscadine** *grapes* at home. 038405

Yeast composition of *grape* **musts** subjected to thermal treatments of varied intensity and duration. 033338
Acid proportions in the 1975 *grape* **musts** [East Switzerland]. 033465
Control of snow and field mice injuries to fruit orchards *[Grapes,* **persimmons].** 039023
About the possiblity of penetration of some **pesticides** into *grapes.* 039597
Phylloxera vitifolii research and biochemistry *[Grape* **pests].** 039337
Main tasks on the area of fungus disease agents and abiotic disease **phenomena** *[Grapes].* 038996
Stimulators of growth of gall tissues in **Phylloxera-infected** *grape* plants. 039364
Technologica supply of water-soluble **polysaccharides** of *grapes.* 033462
Tasks in the field of general plant **protection** *[Grapes].* 038997
Pectic enzyme effects on **red** *grapes.* 037626
Role of folair diagnosis in the establishment of nitrogen, potassium and phosphorus **requirements** of *grapes.* 037884
Grape **response** to cooling with sprinklers. 038246
Compounds responsible for the aroma of *grapes* and their **role** in formation of the bouquet of wine. 033339
Resistance of Botrytis cinerea to systemic fungicides in the valley of the Mosel and **Saar** *[Grapes].* 038829
Establishing a suitable method of reconstructing existing vineyards of the Cabernet **Sauvignon** *grape* variety with inter-row space of 2 meters. 038356
Effect of grafting dates on the growing together of rootstock and **scion** *[Grapes].* 038468
Culture of *grape* **seedlings** in assembled film frame greenhouses. 038466
Ecological conditions for the growing of *grapes,* their **specialization** and microzoning in the Dagestan ASSR. 038523
Investigations on the effect of training on the *grape* **structure** of variety Veltliner Fruhrot. 038410
Resource models for production of apples, blackberries, and **table** *grapes* in northwest Arkansas [Costs]. 031428
Dry binding of grapevines of **table** *grape* varieties. 038467
The wine cellar of Italy *[Grape* **varieties,** wine types]. 038237
Affinity conditions in the *grape* **varieties** of southern Moravia. 038407
Grape **variety,** wine quality and production efficiency. 033459
Stabilization of harvest of the *[grape/* **variety** Neuburger by means of inhibiting substances and spraying with ammonium molybdate. 038412
Effectiveness of fertilizers on perennial stands on terraces *[Grapes,* **vegetables].** 041088
Long-term responses of 'Thompson Seedless' *[grape]* **vines** to potassium fertilizer treatment. 040880
Increases in yields with heterosis crossings of Vitis **vinifera** L. *[Grapes].* 036588
Results of *grape* **virus** research. 038903
Grapes in **western** Switzerland in 1975. 038479
The experience of working of the Kotovskii agricultural-industrial association [for *grape* and **wine** production]. 031387
Dynamics of the formation of tannin-like substances in the skin, seeds and juice of the berries of some **wine** *grape* varieties. 037720
The effect of micronutrients on certain volatile components of *grapes* and **wine.** 041120
Methanol in *[grape]* **wines** in relation to processing and variety. 033322
Effect of systematic application of fertilizers on *grape* **yield.** 041087
Controlling weeds in **young** *grapes.* 039164
Effect of time of application of potassium gibberellate on cluster development of **'Zinfandel'** *grapes.* 038531

GRAPEVINES

Investigation of some biochemical indices in *grapevine* **berries** in relation to grafting. 037854
Pests of the *grapevine:* The **exceptional** damage caused in the Piedmont region by Vesperus strepens F. (Coleoptera, Cerambycidae]. 039340
The effect of foliar application on the content of phosphorus **forms** in *grapevine.* 037855
On the uptake of glucose [by the vines] from root systems of true-rooted and **grafted** *grapevines.* 037723
Effect of *grapevine* **infectious** chlorosis virus on protein metabolism in the plant. 038899
Determination of the wilting [soil] **moisture** for *grapevine.* 040818
Anatomy and **physiology** of the *grapevine.* 036354
Some results from research on gas exchange in the course of the **respiration** of the *grapevine.* 037724
Training of vines on parental stocks of intensive-type **scion** *grapevines.* 038476
Effect of pruning severity on the growth and fruit production of 'Thompson **Seedless'** *grapevines.* 038245
Response of 'Thompson **Seedless'** *grapevines* to the timing of preharvest irrigation cut-off. 041230
A **severe** *grapevine* disease referred to black rot [Phoma uvicola] in La Spezia district. 038723
Dry binding of *grapevines* of **table** grape varieties. 038467
The role of abscisic acid in bud dormancy of di- and tetraploid **varieties** of *grapevines.* 037883
Nutritional status of the *grapevine* **(Vitis** vinifera L., variety Lambrusco Salamino) expressed by means of foliar analysis of macro- and microelements. 040867

GRAPHIUM

Non-dematiaceous mutant of *Graphium* **putredinis** [Fungi]. 037319

GRAPHOLITHA

New fruit pests: the oriental fruit moth, *Grapholitha* **(Laspeyresia)** molesta Busch, on the peach tree. 039311
Studies on the prognosis of terms of the individual developmental stages in red plum **maggot** *(Grapholitha* funebrana Tr.) based on effective temperature summations. 039360

GRASSES

Evaluation of **annual** *grass* forages in prepared seedbeds and overseeded into perennial sods. 038049
Investigations on the primary production of an Agrostis capillaris L. + Festuca fallax Thuill. **association** *grass* stand on the Vitosha mountain. 037408
Drainage economics [Maize, **beets,** *grass].* 041465
Isolation and structural characteristics of **cellulose** from *grasses.* 033261
Electron microscopy of some *grasses* and **cereals** infected with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. 038919
Investigations on the biology of seed germination of Agrostis capillaris L. and Festuca fallax Thuill. from *grass* **coenoses** on the Vitosha mountain. 037409
Methods to identify iodine **content** of *grass.* 037599
Variability in the chemical composition of *grasses* and its **correlations** with nutritive value index. 037459
Review of the **cottony** *grass* scales of the genus eriopeltis sign. (Homoptera, Coccoidea, Coccidae) of the Palaearctic [New taxa]. 040057
A surface-structural survey of some taxonomically **diverse** *grass* pollens. 035964
Effect of **dried** *grass* and whole grain in the diet of early-weaned lambs on performance and carcass fat quality. 034296
Effect of yield and nitrogen fertilization on *grass* **drying** in the open. 033587
Acceptability of *grass* **fed** beef [Feeding, consumer preference]. 034436
Grass—the **food** factory that also fights drought. 038184
Needles in the *grass* **[Forest** grazing]. 035547
Frit fly [Oscinella frit] in **grain** and *grass.* 039293
The response of *grass* and **grass/clover** to irrigation. 041433
Starling (Sturnus vulgaris L.) predation on *grass* **grub** (Costelytra zealandica (White), Melolonthinae) populations in Canterbury [Biological control]. 039295
Effect of chemical agents on the learning behavior of the *grass* **hopper,** (Poecilocera picta. Linn. 039801
Chemical composition and in vitro dry matter digestibility of some **important** *grasses.* 034279
The response of grass and *grass/clover* to **irrigation.** 041433
Grass: the **key** to self-sufficiency? [Pasture management]. 037998
Studies on competition between *grasses* and **legume** in mixed sward [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243
The most appropriate moisture content of [vegetable, *grass,* **legume** and flower] seeds for their long life span [Viability]. 037848
Sericea **[Lespedeza** *cuneata]-grass* mixtures [Forage varieties]. 037992
Trees and *grass* **[Management].** 035548
Entrance of 90 Sr [strontium isotope] into **meadow** *grasses* from different soils of the Nonchernozemic zone [Radioactive contamination]. 033567
Grass **meal** production on a specialized farm. 033556
The effect of *grass* **meal** on metabolic processes in the body and on productivity of young cattle. 034523
New type of *grass* **meter** for pasture yield estimation. 038053
The interaction of plants in plant communities during root feeding [trees, *grasses,* **mineral** nutrition]. 037003
The efficiency of superphosphate-phosphorite fertilizer applied to **mixed** *grasses* in the Troyan area. 041036
Forage yields of different alfalfa varieties in pure stands and in **mixtures** with *grasses.* 037972
Native *grasses* and wildflowers—low maintenance plants [Roadside beautification]. 038484
Factors affecting feeding value of **pangola** *grass* (Digitariadecumbens, Stent) in a humid tropical climate [Goats]. 034291
Prediction of soil water content changes in [irrigated and non-irrigated] **Pangola** *grass* [Digitaria decumbens] pastures. 040842
Physiological differences among populations of Anthoxanthumodoratum L. collected from the **Park** *Grass* Experiment, Rothamsted. IV. Response to potassium and magnesium. 037471
The dynamics of carotene formation in plants as related to the level of nitrogen nutrition and irrigation [of **pasture** *grasses].* 037342
Land preparation of Imperata savannah or *grass* **pastures** [which is to be planted in oil palm or coconut]. 038091
Perennial *grasses* on peat-boggy soils [Yields]. 038061
Microbiological processes in peat bog soils under **perennial** *grasses.* 040730
Evaluation of **"piegon** *grass"* screenings as a component of rations for growing-finishing pigs. 034452
On the effect of trees on the structure of grass stand in *grassy* **pine** forests in the lower reaches of Angara. 036183
Effect of defoliation and nitrogen treatment on total and seasonal **production** of *grass.* 040885
Studies on the nitrate nutrition of two indigenous **Rhodesian** *grasses* [Hyparrhenia filipendula, Sporobolus pyramidalis]. 037472
The transmission and effect on yield of **rye** *grass* mosaic virus in a filtered air environment. 038880
Ecology and management of Southwestern **semidesert** *grass-shrub* ranges: the status of our knowledge. 038173
Studies on the **"short** *grass* mulch" soil cultivation technique. 041154
Influence of the type of forage harvester on the value of *grass* **silages** for heifers of dairy breeds. 034292
On the effect of trees on the structure of *grass* **stand** in grassy pine forests in the lower reaches of Angara. 036183
The deposition of particles on moss [Hypnum cupressiforme] and *grass* **surfaces** [Indicator plants]. 036176
Comparative response to nitrogen deficiency of a tropical and **temperate** *grass* [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019
Automated hydrolysis of nonreducing sugars and fructosans from plant **tissue** *[Grasses].* 037387
Investigations on the progress of drying of *grasses* and **varieties** of clover under limited time and temperature conditions. 033588
Susceptibility of some soft and hard wheat varieties to herbicides used for control of **[weedy]** *grasses.* 039097
Cultivar identification and purity determination **[Wheat,** *grasses].* 038149
Mechanism of honeydew formation by claviceps species [on *grasses,* **wheat** and rye]. 038584
High temperature equipment for drying **wilted** *grasses.* 033557
Mowing of high **yield** *grass* stands [Costs]. 031474
Irrigated pastures in the Transcarpathian Region *[Grass* **yields].** 041359

GRASSHOPPERS

Grasshopper **control** [Orthoptera, economic plants]. 039216
Grasshoppers of the **genus** Dociostaurus Fieb. (Orthoptera, Acrididae). II. 040070
The hopper house of Hamburg *[Grasshoppers,* **history].** 039810
No detectable satellite DNA in supernumerary chromosomes of the *grasshopper* **Myrmeleotettix** [maculatus]. 039886
Genetic approach to the acoustic communication system of *grasshoppers.* I. **Song** pattern of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. 039829
Genetic approach to the acoustic communication system of *grasshoppers.* II. The **song-specific** innate releasing mechanismof interspecific hybrids between Chorthippus bituttulus and Chorthippus mollis. 039830
A study of *grasshopper* **species** composition in primary and secondary growth [of tropical forests] in Costa Rica. 039706

GRASSLANDS

The interdependent effects of soil temperature and water content on soil respiration rate and plant root decomposition in **arid** *grassland* soils. 040804
Allelopathy among some **British** *grassland* species. 036219
Fertilization and botanical **composition** of *grassland.* 041098
Copper and cobalt **content** of *grassland.* 040888
Experience from fallowing of *grassland* for **cropping** in Rostock region. 038009
Nitrogen fertilization of *grassland.* 8. **Effect** of previously applied nitrogen. 041099
The theory and utilization of *grassland* **establishment.** 22. 037968
The optimal nitrogen, phosphorus and potassium **fertilization** of *grasslands.* 041082
Demonstration of implements for *grassland* **improvement** at Vriezenveen. 040498
Sulphur supplying power of **Japanese** *grassland* soils. An outline of sulphur survey of grassland soils and pasture plants. 040680
Nutrient cycle inside farms with **large** *grassland* [Fertilizers]. 041115
Vertical distribution of dry matter in some *grassland* **plants** and stands. 037608
Silage research in European countries. 3. *[Grassland* **research** institutes, Great Britain, Netherlands, West Germany, France]. 033500
Sulphur supplying power of Japanese grassland soils. An outline of sulphur survey of *grassland* **soils** and pasture plants. 040680
The economics of fertiliser **usage** on *grassland.* 041028
Investigations on the recultivation of *grassland* on **wind**—eroded soils of Iceland [Reclamation]. 041146

GRAVIMETRY *see* GRAVITY

GRAVITY

Turbidimetry and colorimetry in the sulfur content determination of plants compared with the *gravimetry* **method** [Hay, maize, Abies]. 037324

Emergence and organ elongation of seedling of paddy rice sown under upland field condition as affected by **specific** *gravity* and weight of seed. 037542
Effect of nitrogen, phosphorus, and potassium fertilizers on yield components and **specific** *gravity* of potatoes. 040882
Separation and *gravity* **thickening** in secondary sedimentation tanks [Sludge]. 041642

GRAY

Controlling *gray* rot [Botrytis cinerea] in stem-less vineyards. 038787
Changes of phosphorus and potassium compounds in soddy-podzolic and *Grey* **forest** soils under the effect of water erosion. 040721
Spatial variation of the snow cover height and the depth of freezing of *Grey* **forest** soils under conditions of Pridesnyanskaya highland. 040745
Gray **leaf** spot-resistant Lupinus angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the **light** *Gray* Forest fine loamy soil. 040869
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and *Gray* **Podzolic** soils of the forest-steppe of the Ukrainian SSR. 040871
Populus trichocarpa (Torr. Et *Gray)*—**a poplar** species little known in Poland. 035690

GRAZING

Effect of *grazing* in **alpine** vegetation on Hardangervidda, South Norway. 037494
Grazing **areas** [Pasture management]. 038013
Grazing of **beef** cattle in the forest combined with pasture. 034270
Year round *grazing* with a **beef** cow herd [Pasture management]. 038080
Spread of animals on the pasture as a function of group **behaviour** *[Grazing].* 034190
The changing structure and enconomic situation of the Australian sheep and beef **cattle** *grazing* industry. 031228
Hematological studies on *grazing* **cattle** with petechia on the visible nucous membrane [Bracken poisoning]. 035423
A mass attack by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on *grazing* **cattle** in Denmark; a new aspect of sewage discharge. 039494
Triticale as a *grazing* **crop** for yearling beef steers. 038022
Results of four years of *grazing* **experiments** with Dactylis glomerata associated with five different legumes. I. Evolution of the soil-covering ability of the seeded species and some weeds. 037973
Effect of level of supplemental energy **fed** *grazing* steers on performance during the pasture and subsequent drylot period. 034406
The *grazing* **feed** intake of Hereford and Brahman cross cattle in a cool temperate environment. 034403
Needles in the grass **[Forest** *grazing].* 035547
Coastal Bermuda [Cynodon dactylon] for *grazing* and **hay** production [Feeding beef cattle]. 034437
Zeranol implantation in *grazing* **heifers** and in combination with melengestrol acetate in feedlot-fed heifers. 034482
Chaparral shrub control as influenced by *grazing,* **herbicides** and fire. 038003
Economic forage production and utilization in Louisiana *[Grazing* **management].** 038078
Report by Bureau of Land Management on range conditions and *grazing* in **Nevada.** 031164
Pasture management systems for improved calf **production** *[Grazing].* 038079
Some comments on the shape of the gain-stocking rate curve *[Grazing,* **research** methods]. 033638
The use of anthelmintics in **rotational** *grazing* coastal Bermudagrass [Cynodon dactylon] for maximum gains [Beef cattle]. 035145
A comparison between rotational [creep] *grazing* and **set** stocking with ewes and lambs at three stocking rates. 034271
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and density *[Grazing,* **sheep,** cattle]. 037975
The agronomic role of introduced dung beetles in *grazing* **systems.** 039823
Number of sucklings and *grazing* **time** of calves in nursing cow herds. 034295
Some agronomic aspects of factors underlying production in the New South **Wales** *grazing* industry [Livestock management]. 031372
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, **winter** *grazing* and feedlot finishing programs [Beef cattle]. 034443

GREEN

The occurrence of the *blue-green* **alga** Oscillatoria agardhiiGom. in some waters discharging into the Lauwersmeer (the Netherlands). 036021
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a *blue-green* **alga** [Nostoc muscorum]. 036813
Effects of magnesium and chloride ions on light-induced electron transport in membrane fragments from a *blue-green* **alga** [Nostoc muscorum]. 036815
An election-microscopic and biochemical study of the spheroplasts of the *blue-green* **alga** Anabaena variabilis. 037114
The development of [the *blue-green* **alga]** synechocystis aquatilis Sauv. in the presence of [the saprophytic bacteria] Pseudomonas putida Migula. 037327
The morphology and systematic position of the *green* **algae** Ernodesmis and Apjohnia. 036113
Mutation analysis as a method of studying genotype structure of *green* **algae.** 036545
Water-blooms *[Blue-green* **algae].** 036831
Photosynthetically-linked oxidation of diaminobenzidine in *blue-green* **algae.** 037079
Sulphide-dependent anoxygenic photosynthesis in the cyanobacterium Oscillatoria limnetica *[Blue-green* **algae].** 037134
In vivo excretions of the *blue-green* **algae** Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
Accumulation, mobilization and turnover of glycogen in the *blue-green* **bacterium** Anacystis nidulans [Algae]. 037302
The effect of delta-aminolevulinic acid on the protochlorophyllide accumulation and chlorophyll formation in **barley** *green* leaves. 037398
Controlling *green* peach aphids [Myzus persicae] on potatoes. 039330
Environment and extension of the *green* **cover** [Honey plants]. 038558
Environment and extension of *green* **cover** [Natural resources, honey plants]. 041672
Influence of fertilization and soil management on the occurrence of diseases and pests in an apple orchard. i. Effect of *green* **covered** and clean cultivated soil. 039078
Nutritive value [for ruminants] of *green* **cut** maize ensiled by a trench method. 034285
Components of the *green* **deathcap** toadstool, Amanita phalloides. XLIX. Phallisacin and phallacin, two newly detected acidic phallotoxins, and some amide of phallacidin. 037080
Economy and saving of concentrates with hot air drying of *green* **feeds.** 033586
Digestibility and the use of nutrients of *green* **feeds** by lactating cows. 034520
Greens to **flavour** your dishes [Cultivation]. 038379
Main source of *green* **fodders** [Forage plant culture, pasturemanagement]. 038060
Green **forage** production line for sheep [Pasture management]. 038058
The relationship of chlorophyll biosynthesis to protein and RNA synthesis in *greening* and **green** leaves. 036977
How *green* is the green revolution [in India]. 031042
Transmission by *green* **leafhopper,** Nephotettix cincticeps Uhler of a new dwarf [virus] disease in rice plants. 038887
Effect of processing and storage conditions on the stability of chlorophyll and beta-carotene content of *green* **leafy** vegetables available in northern India. 033393
The relationship of chlorophyll biosynthesis to protein and RNA synthesis in greening and *green* **leaves.** 036977
Autumn tillage of soil and the application of *green* **manure** plants to cotton-alfalfa crop rotations. 038177
Green **manuring** and output of sugarbeets on loamy soil. 040889
Negative secondary effect from *green* **manuring** with yellow lupine [Fertilizing Picea abies and Picea omorika]. 040904
Chlorophyll and peptide compositions in the two photosystems of **marine** *green* algae. 036810
On the optimum planting date of white lupine (Lupinus albusL.) grown for *green* **matter** in the Middle Rhodope Upland. 038136
The extent of Shamouti orange contamination with *green* **moldand** its effect on fruit decay. 038632
Carotenoids in blue mutant and **normal** *green* pupae of Hyalophora cecropia. 039835
The *green* **oak** leafroller moth [Tortrix viridana] and its entomophages in Ivano-Frankovskii Region [Natural control]. 039395
Breeding behavior of resistance to *green* **peach** aphid [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. 036387
Peculiarities of the oxygen metabolism of the obligate **phototrophic** *blue-green* alga Anabaena variabilis in darkness. 037121
A field and laboratory study of oxygen uptake by **planktonic** *blue-green* algae [Oscillatoria redekei]. 037034
Studies of the freezing of *green* **plantains** (Musca paradisiaca). IV. Effect of cold storage on the quality of frozen sliced green plantains. 033418
A method for obtaining proteins from *green* **plants.** 032708
Some aspects of mitosis in **primitive** *green* algae: phylogeny and function. 036276
Simultaneous and differential staining of spermatozoids and especially of the acrosome by the reacting dyes procion **printing** *green* B and procion brilliant red M8BS. 034609
Energy migration from photoreceptors of *green* **region** light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
Mineral composition of canker, halo and *green* **regions** of citrus leaves infected by Xanthomonas citri. 038862
How green is the *green* **revolution** [in India]. 031042
Green **Revolution** [History of agriculture]. 031078
Pros and cons of *Green* **Revolution** [in agriculture]. 031079
Green **revolution** and agrarian conflict [Land reform laws inIndia]. 031834
Green **Revolution** and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the protein problem. 031849
Green **Revolution**—promises and problems [in agriculture]. 031850
Impact of *Green* **Revolution** on Punjab. 031851
A study on new dual system of the rural sector in relation to the *Green* **Revolution.** 031909
George Harrar sets off the *Green* **Revolution** [Rural development programs, Mexico]. 031930
Role of agronomy in *green* **revolution** [in India]. 038017
Green **Revolution**—outlook of a horticulturist. 038374
Green **Revolution** and pests. 038998
Role of plant diseases in *Green* **Revolution.** 038999
Green **revolution** with or without tractors: the case of Sri Lanka. 040400
Green **Revolution** and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Green **Revolution** under limited nitrogenous fertilizer availability. 040979
Harness groundwater for *green* **revolution** [India]. 041280
Studies of the freezing of green plantains (Musca paradisiaca). IV. Effect of cold storage on the quality of frozen **sliced** *green* plantains. 033418
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in *green* **tea** inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
Chemical components and taste of *green* **tea.** 032873
Methods of chemical analysis of *green* **tea.** 032874
Ripening response of *green* **tomatoes** to ethylene concentration and temperature. 037677
Analysis of *greening* in **virescent** mutants of maize by in vivo spectrophotometry. 037381
Ultrastructural observations of **yellowish** *green* peels of Citrus unshiu Marc. 036289

GREENBUGS

Sorghums that **resist** *greenbugs* [Schizaphis graminum]. 039256

GREENERY

Christmas *greenery* for restaurants, Viscum [album, parasitic plants]. 039147

GREENHOUSES

How solar energy can benefit **agriculture** *[Greenhouses].* 040342
Early tomatoes in **amended** *greenhouse* soil. 041112
Heat exchange through blackcloth and blackcloth substitutes [for the use in **commercial** *greenhouses* to shorten the day length for off-season flowering of chrysanthemums]. 037711
Energy **conservation** for *greenhouses.* 040352
Regulating the potential of *glasshouse* **culture** [Common Market]. 031351
Self blanching celery—protected cropping *[Greenhouse* **culture].** 038481
Plant parasitic nematodes on roses [Rosa] in **Danish** *glasshouses.* 039067
Structures for plant production. 1. *[Greenhouses,* **designs].** 040374
Production of young [Chrysanthemum] plants in the *greenhouse*—**economic** calculations [Costs]. 031458
Study of supplementary lighting in *greenhouses.* **Ecophysiological** aspects of flax growth under different light conditions. 037495
An **experimental** *greenhouse* soil temperature control system. 040368
Culture of grape seedlings in assembled film **frame** *greenhouses.* 038466
Introduction to *hothouse* **gardening** of the future. 038328
Seasonal notes for *hothouses* **[Greenhouses].** 038345
Raising tomato plants under artificial light in *greenhouse* and in the **growing** room. 037876
Rationalization of transport of cucumber **harvested** in *greenhouses.* 038316
Greenhouse **heating** efficiency. 038298
Research concerning the production of cut anthuriums [Anthurium andreanum] in the South **Holland** *glasshouse* district, crop year 1974 [Yield]. 038426
The financial position of beginning attempts in *glasshouse* **horticulture.** 031429
The position of industry in regard to *glasshouse* **horticulture** outside the large centers. 031791
Seasonal notes for **hothouses** *[Greenhouses].* 038345
Effect of non-root nutrition supplements on yield and quality of cucumbers and tomatoes in **hydroponic** *greenhouses* of the southern Ukraine [Soilless culture]. 041124
Demands on the automation of **industrial** *greenhouse* units. 040353
Economic growth of the *greenhouse* **industry** [Income]. 031457
Influence of nutrition on rooting capacity of *[glasshouse* **ornamental]** cuttings. 037787
The economics of waste heat utilization for controlled environment *[greenhouse]* **production** of agricultural products [Costs]. 031437
Results of long term tomato **production** in the *greenhouse.* 038320
Control of garden centipede [Scutigerella immaculata] on *greenhouse* **spray** Chrysanthemums; progress report. 039332
Seed potato **sprouting** *[Glasshouses].* 038224
Swedish *hothouse* research with lettuce indicates many promising varieties. 038330
Study of supplementary lighting in *greenhouses.* **Technical** characteristics of some lighting installations. 040382
A statistical regression model of *greenhouse* **tomato** water exchange. 037718
Intensification of *greenhouse* **tomato** production in Leipzig county. 038313
Fertilizer schedule for *greenhouse* **tomatoes** and cucumbers in southwestern Ontario. 041059
Results and tasks of *greenhouse* **vegetalbe** production. 038318
The control of the *greenhouse* **white** [Trialeurodes vaporariorum] on gherkins with insect growth regulators and insecticides. 039349

GREWIA

On crystals in the fruits of *Grewia* **subinaequalis.** 036335

GREYHOUNDS
Osteochondromatosis in the **racing** *greyhound* [dogs]. 035350

GRINDERS
The SZU-1-000 **general-purpose** *grinder* [Mechanization, grape culture]. 040534

GROCERIES
Methods and costs for the warehouse assembly of *grocery* **orders** for small stores [Wholesale marketing]. 031687
Advanced mechanization operations for *grocery* **warehouses;** an evaluation and projection. 032722

GROUND
A technique for **acquiring** *ground-truth* rainfall data with which to calibrate radar measurements. 041294
A comparative evaluation of rapid methods for determining fat content of *ground* **beef.** 033087
Ground **beetles** in forest shelterbelts. 039868
The relationship between site condition and circulation of nutrients in forest ecosystem. III. Above *ground* **biomass** and nutrient contents of stands. 036229
Digestibility of *ground* **by-products** (forestomach) of slaughter cattle used in dog nutrition. 034428
Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of **coarsely** *ground* cereals as affecting the true digestibility of amino acids [Swine]. 034320
A comparison of the production of the *ground* **flora** and of the rate of organic fall in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. 036922
Growing *ground* covers [Varieties]. 038351
The role of *ground* **improvement** in foundation engineering [Soil mechanics]. 040591
Information on wing-reduced Diptera in the *ground* **litter.** VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165
GM *[ground* **maintenance]** guide to systemic pesticides [for protection of ornamental trees]. 039544
A moor is not **merely** *ground* peat [Soil genesis]. 040681
Analysis of weight distribution for a log on undersling device and on the *ground* in the **process** of semi-undersling skidding. 035828
Effect of soybean meal, extruded soybeans and *ground,* **raw** soybeans on the performance of White Leghorn layers. 034494
Comparisons of *ground* and whole **shelled** corn, roughage supplements and potassium and cobalt additions in finishing beef steers. 034440
Performance of an embankment supported by stone columns in **soft** *ground.* 040356
Thick Bh [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to texture and **soil** *ground* water. 040779
Movement of carbaryl through Congaree soil into *ground* **water.** 039573
Nitrogen in soil cores and *ground* **water** under abandoned cattle feedlots. 040674
Soil and *ground* **water** salination in the Stara Zagora irrigation system. 041401
Specific conductance identifies perched and *ground* **water** lakes. 041436
Effect of anaerobic swine lagoons on *ground* **water** quality. 041652
Effect of the drop of *ground* **water** level on soil and vegetation properties in the area adjacent to the electric power plant "Lower Oder". 041684
System of open and *ground* **waters** on meadows of the Huczwa river valley near Werbkowice. 041464

GROUNDNUTS
Natural control of *groundnut* **aphid,** Aphis craccivora Koch. in central Gujarat. 039275
Studies on chemical weed control in *groundnut* **(Arachis** hypogaea L.). 039144
Trial of the elimination of aflatoxin in *groundnuts* by **physical** methods [Feed decontamination]. 033533
Phoma glomerata in relation to bud-blight-affected **plants** of *groundnut.* 038703
A note on the seasonal changes in the incubation time of *groundnut* **rust** [Puccinia arachidis]. 038602
Studies on Tempeh [fermented soybean food]. I. Processing and nutritional evaluation of Tempeh from a mixture of **soybean** and *groundnut.* 033270
Biochemical nature of boron **toxicity** in *groundnut.* 039000
Lime-induced iron chlorosis in *groundnut:* **treatment** and prevention [Deficiency diseases, peanuts]. 039050

GROUNDWATER
Groundwater **behaviour** in Tenerife, Volcanic Island (Canary Islands, Spain). 041354
Harness *groundwater* for green revolution [India]. 041280
New methods and instruments for **measuring** *groundwater* quantity. 041312
Influence of vegetation covering on **natural** *groundwater* recharge as exemplified by the lysimeter system of Saint Arnold near Rheine (Westphalia). 041450
Survey of measuring instruments and techniques for *groundwater* **prospecting.** 041326
The change of *groundwater* **quality** in the Upper Rhine Valley between Spires and Worms. 041457
References to the planning and control of *groundwater* **subsidence** [Water management]. 041455
Study on the problems of *groundwater* in **Taipei** Basin. 041431

GROVES
Use of the "direct sowing" method for planting a *grove* of **almond** trees [Prunus amygdalus, costs]. 038242
Fall and **winter** *grove* practices. 038286

GROWERS
Seasonal notes for **citrus** *growers.* 038343
Seasonal notes for **fodder** *growers.* 038021
Seasonal notes for **fruit** *growers.* 038344
Adult education [for **grape** *growers].* 038368
The **grape** *grower* and clone selection. 038532
Putting the finger on *grower* **mistakes** [Potatoes, production]. 038258
Spanish *growers* turn to feed grains. 033496
The Cultural Planning Committee of the carnation [Dianthus caryophyllus] *growers* **trade.** 038272
Plant protection practices and problems of **vegetable** *growers* in Bangalore District. 039038
Development trends in the education of **wine** *growers* and farmers. 031064

GROWTHS
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, *growth,* and the **accumulation** of non-structural carbohydrate. 041019
Localization of *growth-inhibiting* **action** of aluminium ions in elongating cell walls [Pea roots]. 037706
The **animal** *growth* phase plane [Feeding]. 034422
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and *growth* in **Avena** [oats] coleoptile segments. 037612
The *growth* of **Ayrshire** cattle: an analysis of linear body measurements. 033740
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, Paspalum notatum] inhibiting the *growth* of **banana.** 039136
Growth of **Belgian** elm [Ulmus] in the coastal provinces of the Netherlands. 037929
The effect of physical activity, nutrient intake, and *growth* on **body** composition of myelomeningocele patients as measured by the whole body counter, creatinine, and anthropometric determinations. 032318
Effects of early pregnancy in *growth,* **body** composition and efficiency in mice. 034660
Effect of uncontrolled conditions on the preservation of sets of some onion varieties *[Growth,* **bolting].** 037721
Antibiotics curb [bacterial] diseases in livestock, **boost** *growth.* 035285
The effect of 2, 4-dinitrophenol on the *growth* of **Bordetella** pertussis in chick tracheal organ culture. 035139
Intermittent light speeds **broiler** *growth* and improves efficiency [Chickens]. 033916
The effect of various plant protein supplements on the *growth* of **broilers.** 034388
Growth of **broilers** and the utilization of the energy of feed as effected by the addition of DL-triptophane. 034492
Chemical regulation of **callus** *growth,* organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. 037775
Effects of simultaneous reductions of food intake and dietary protein concentration on the *growth* and **carcass** quality of bacon pigs. 034401
Influence of sex and percent Brahman [cattle] breeding on *growth* and **carcass** traits [Performance]. 034729
Growth of some **caribou** lichens of the genus Cladonia (subgenus Cladina) in a subarctic environment in New Quebec. 037130
Effect of pepsin inhibitor (S-PI) [Streptomyces naniwaensis] on the *growth* and **carotene** formation of Rhodotorura glutinis [Yeasts]. 037005
Forecasting the *growth* of **cattle.** 034236
Aging and its relation to **cell** *growth* and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to growth restricting conditions. 039900
On the variability of the *growth* **characters** of woody plants in the nursery [Apple trees]. 037643
The *growth* of the **chick** retina after hatching. 033735
Biochemical and genetical basis for the temperature sensitivity of photosynthesis and *growth* in **chilling-sensitive** plants. 036968
Chloroplast *growth* and replication in germinating spinach cotyledons following massive gamma-irradiation of the seed. 037811
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and **cold** *growth* chambers. 037200
The effect of feeding frequency on the *growth* and **composition** of individual organs in the rat. 032188
Embryogenesis and **cone** *growth* in Cryptomeria japonica. 037902
Auxin-induced hydrogen ion excretion: correlation with *growth,* and **control** by external pH [hydrogen-ion concentration]and water stress [Oats]. 037528
Effects of artificial shading on the growth of forest trees. I. Differences in *growth* of **Cryptomeria** japonica seedlings in shade during a growing season. 037924
Metabolism of trehalose and pullulan during the *growth* **cycle** of Aureobasidium pullulans [Fungi]. 037308
The effects of temperature and day length on the *growth* of **dallisgrass** (Paspalum dilatatum Poir.) and bahiagrass (Paspalum notatum Flugge.). 037380
Dairy industry at the limit of its *growth* **[Demand,** markets, Bavaria]. 031700
Action of radiation given prior to and in the process of incubation on the *growth* and **development** of embryos and chickens and oviparity of hens [Radiation, injuries]. 034166
Appraisal of the *growth* and **development** of young plantations and thickets originating from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. 035619
On procedures for accelerating the *growth* and **development** of forest plants. 035665
Effect of a light-break on the *growth* and **development** of Epilobium hirsutum and Lythrum salicaria in short photoperiods. 036761
Regulation of development in Dictyostelium discoideum [Fungi]. I. Initiation of the *growth* to **development** transition by amino acid starvation. 036907
Growth and **development** of soybean cv. TK5 as affected by tropical daylenghts, day/night temperatures and nitrogen nutrition. 037345
Growth and **development** of five [Australian] populations of Themeda australis in response to temperature. 037358
Influence of osmotic potential on the *growth* and **development** of soybean tissue cultures. 037391
Quantitative and qualitative changes in proteins and amino acids in white lupine plants during *growth* and **development.** 037463
Influence of chlorocholine chloride (CCC) on the *growth,* **development** and productivity of oats in the second seed generation; report. 037503
The translocation of assimilates produced in different ograns of cereals crops at various stages of *growth* and **development.** 037509
Effects of combinations of different day-length conditions during the growth of flax plants (Linum usitatissium L.) on their *growth* and **development.** II. Effects of transfer from short day to natural long day. 037539
The influence of various forms of nitrogen and bacterization on the *growth* and **development** of soybean under sterile pot experiment conditions. 037577
Peculiarities of the *growth* and **development** of introduced pea specimens under north Bulgaria and Sofia plain conditions. 037829
Growth and **development** of potatoes in relation to application of mineral fertilizers and prometryne. 037881
Impact of certain environmental conditions upon the *growth* and **development** of Scots pine (Pinus silvestris L.) seedlings. 037937
Ultrasound effect on the *growth,* **development** and yield of sunflower. 038139
Effect of seed damage on *growth* and **development** in pea (Pisum sitivum L.) and wheat (Triticum aestivum L.). 038955
Growth **differences** between the beef [cattle] breeds. 034615
Contributions to the *growth* of the **digestive** system in the Pekinese duck. 033728
Contributions to the *growth* of the **digestive** system in sheep. 2. 033729
Zostera marina L., its *growth* and **distribution** in the greatbay estuary, New Hampshire. 036137
The *growth* of **disturbances** in unstable infiltration flows [in soil]. 040778
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of feeding different levels of calcium and phosphorus with the same ratio on *growth* of **Dokki-4** chicks. 034257
Calcium requirements for chicks as affected by some nutritional factors. IV. Effect of feeding different levels of vitamin D3 on *growth* of **Dokki-4** chicks. 034258
Gibberellin-like substances in potato tubers during their *growth* and **dormancy.** 037670
Polyploidy in fat-body of honeybees [Apis mellifera] **duringlarval** *growth* and development. 040249
Investigations on the biological features of eight raspberry varieties under the Troyan microregion conditions. I. **Dynamics** of *growth.* 037722
Effect of black polyethylene mulch on the *growth,* **earliness** and yield of cauliflower (Brassica oleracea var. botrytis). 041015
A 20-year run on tests for **early** *growth,* breed mixing for beef tonnage [Cattle]. 034741
Stand, **early** *growth* and plant and ear height of endosperm mutants and normal maize hybrids under field conditions. 036715
Studies of interspecific competition at **early** *growth* stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428
Economic *growth* of the greenhouse industry [Income]. 031457
A *"no-growth"* **economy** by the 1980's? Implications for the American family. 032520
Dieldrin in the diet of channel catfish (Ictalurus pnctatus): uptake and **effect** on *growth.* 039575
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on maize seed germination and **embryo** *growth.* 038791
Effect of synthetic growth substances on **endogenous** *growth* regulators during organic dormancy of grape. 037665

Receptors for insulin and **epidermal** *growth* factor: relation to synthesis of DNA in cultured rabbit lens epithelium. 033766
Existence maintenance and the furthering of single **farm** *growth* arguments, for and against state [West Germany] investment promotion. 031485
Longitudinal **fascicular** *growth* in the porcine longissimus muscle. 034004
Effect of the rearing technique from birth to 8 months of age on the *growth,* **feed** efficiency, carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of *growth* and **feed** consumption; clinical remarks; anatomico-pathological. 035402
Analysis of the *growth* in **five** years in randomized block experiment (No. 1) of the Komenono University Forest. 035530
Study of supplementary lighting in greenhouses. Ecophysiological aspects of **flax** *growth* under different light conditions. 037495
Effects of combinations of different day-length conditions during the *growth* of **flax** plants (Linum usitatissium L.) on their growth and development. II. Effects of transfer from short day to natural long day. 037539
Effect of B-995 (N-dimethylamino succinamic acid) on *growth,* **flowering** and mineral accumulation of tobacco plants. 037335
Effect of cycocel on *growth,* **flowering** and yield of Vicia faba L. [Broadbeans]. 037339
Cultivation and fertilizer effects on the *growth* and **foliage** nutrient concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Continuous infusion of follicle stimulating hormone for **follicular** *growth* in embryo transfer heifers. 034722
Effects of artificial shading on the *growth* of **forest** trees. I. Differences in growth of Cryptomeria japonica seedlings in shade during a growing season. 037924
Effect of pruning severity on the *growth* and **fruit** production of 'Thompson Seedless' grapevines. 038245
Stimulators of *growth* of **gall** tissues in Phylloxera-infected grape plants. 039364
Inheritance of *growth* **habit** components in self-pruning tomatoes. 036476
Growth and **handling** of yeasts. 037101
Studies on selection forest of akamatsu (Pinus densiflora) in Kikuma-cho. 12. On the germination and vanishment of the natural seedlings and their **height** *growth.* 035638
Height *growth* of black spruce and jack pine [Picea mariana, Pinus banksiana] seedlings in flooded flats. 037911
Role of allelopathy as expressed by dominating trees in a lowland forest in controlling the productivity and pattern of **herbaceous** *growth.* 037888
Action of *growth* **hormone** in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given protein-deficient diets. 032183
Growth **hormone** and somatomedin activities in lines of pigs selected for rate of gain and thickness of backfat. 033697
Growth **hormone** and somatomedin; a brief review [Swine, chickens]. 034120
Seed germination and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and *plant-growth* **hormones.** 037347
Rising energy costs imperil East Europe's **import** *growth.* 031610
Improving *growth* rate in Hampshire sheep [Progeny testing]. 034795
Effects of **industrial** *growth* on apiculture. 040210
Industrial *growth* and its harmful influence on apiculture. 040220
Good market climate nurtures soy **industry** *growth.* 031593
Impact of food and water contamination on gestation and **infant** *growth.* 032044
Factors **influencing** *growth* and reproduction in Rambouillet and Florida native sheep. 034594
Could the seeds [of winter wheat] treated with [the *growth* **inhibitor**] Tur be stored for a long time? 038191
The *growth* **inhibitors** in sugarbeet seed balls. II. Isolation of potassium nitrate as the germination inhibitor and hypocotyl stimulating substance. 037545
The effect of **insect** *growth* regulators (IGR) on spider mites and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Synthesis and laboratory and field evaluation of a new, highly active and stable **insect** *growth* regulator [for control of fruit pests]. 039342
The control of the greenhouse white [Trialeurodes vaporariorum] on gherkins with **insect** *growth* regulators and insecticides. 039349
Insect *growth* regulating agents for control of arthropods of medical and veterinary importance. 039478
Effect of maternal malnutrition on **intra-uterine** *growth* of the human foetus. 032463
Effect of sodium on the *growth* of and **ion** uptake by barley, sugarbeet and broadbeans. 037467
Relationship of fertility index to the *growth* of **Japanese** native calves. 1. 034556
Morphology and *growth* **kinetics** of hyphae of differentiated and undifferentiated mycelia of Neurospora crassa [Fungi]. 036324
Studies on phenonal related compounds inhibiting the *growth* of **lactic** acid bacteria. II. Substances in green tea inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
The introduction, *growth* and **landscape** performance of new plants for Oklahoma [Ornamental plant varieties]. 038457
An explosion of **leaf** *growth* after stress conditions [Maize]. 037489
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in green tea inhibiting the *growth* of **[Leuconostoc** mesenteroides P-60]. 2. 032848
The German spirits industry at the **limits** of *growth.* 031911
Variation in **linear** *growth* and sporulation of single spore isolates of Helminthosporium maydis. 038738
The effects of nickel on the *growth* and on the **liver** proteins of ducks. 034228
Changes of **longitudinal** *growth* and chemical components in pine (Pinus densiflora) leaves on sandy soils resulting from fertilization. 037920
A model for the regulation of *growth* in **mammalian** cells. 034085
Physiological studies on salt tolerance in Pisum sativum (L.). III. *Growth* and **maturation** [Peas]. 037615
Growth **measurements** of five Sphagnum species in South Norway [Musci]. 037139
Formation and distribution of free amino acids in the mycelium of Cunninghamella elegans [fungi] during *growth* on **mediawith** glucose or dodecane. 037119
Availability of anions in the *growth* **medium** to roots of an actively growing plant. 037136
Effects of X-irradiation on cell division, oxygen consumption, and *growth* **medium** pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Influence of special ecological conditions on *growth,* **metabolism,** and potassium nutrition of tropical crops (as exemplified by the case of rice). 037450
A circular paper technique for study of **microbial** *growth* [Aspergillus niger, Penicillium digitatum, citrus fruits]. 038735
Nutritional studies with growing Friesian calves on certainfeeding levels under local conditions. 1. Feed utilization and metabolism trials during the 2nd six **months** of *growth.* 034266
The *growth* of **muscle** following tenotomy [Rabbits]. 033998
Specificity of *growth* of **mutant** forms of apple trees in nurseries. 037853
Determination of the content of **natural** *growth* inhibitors of the potato tuber-caffeic acid and scopoletin. 037636
Testing of Mecadox, a **nonantibiotic** *growth* stimulant, for swine fattening in field conditions. 034519
The effects of potassium supply on *growth* and **nutrient** composition of teak (Tectona grandis L.f.) seedlings. 040973
Tissue cultures of maize, wheat, rice & sorghum. II. *Growth* & **nutrition** of callus cultures. 037455
Tissue cultures of maize, wheat, rice & sorghum. III. *Growth* & **nutrition** of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Growth of **oceanic** phytoplankton [Algae] in enrichment cultures. 037088
Substitution of labour and energy in agriculture and **options** for *growth.* 031362
Continuous inspection of the effect of temperature on the *growth* of **ornamental** plants in winter. 037714
Growth of **Oscillatoria** agardhii Gom. [Algae]. 036963
Corpus allatum and **ovarian** *growth* in a polymorphic paedogenetic insect [Aphis craccivora]. 039885
Influence of carbon dioxide narcosis and cold immobilization on the **ovarian** *growth* of the cockroach Nauphoeta cinerea. 039909
Pathological *growth* and maturation in infants and children associated with modern methods of feeding. 032218
The effect of phytohormones and inhibitors on the *growth* of **pea** and wheat dwarfs during presowing treatment of seeds. 037399
Influence of different types of stabling on the health and *growth* **performance** of calves. 033669
Determination of levels of nitrogen nutrition for peaches at different *growth* **periods** by the method of foliar diagnosis. 037623
The relationships among Umbelliferone, *growth* and **peroxidase** levels in cucumber roots. 037625
Changes of lipid composition with *growth* **phase** of Cryptococcus neoformans [Yeasts]. 036728
Rhythm of potassium absorption in relation with *growth* **(pineapple** and banana). 037746
The influence of salinity on the *growth* of some **plankton** diatoms from brackish water. 037140
The temperature-gradient tunnel: a versatile controlled environment [for the study of **plant** *growth].* 036763
The effect of **plant** *growth* substances and natural products on RNA and DNA synthesis in leukocytes. 036927
Studies on **plant** *growth* substances produced by microorganisms. 037007
Comparative studies of **plant** *growth* and distribution in relation to waterlogging. IX. The uptake of potassium by dune and dune slack plants. 037035
A CO [carbon dioxide]2 monitoring and control system for **plant** *growth* chambers. 037143
New criterion for estimating inhibition of initial **plant** *growth* induced with mutagens. 037321
A new quaternary ammonium compound with **plant** *growth* regulatory activity [Chrysanthemum morifolium]. 037693
Some aspects of practical application of kinetin [for **plant** *growth* and the formation of nodules and tubers]. 037709
Effects of **plant** *growth* regulators on Lilium longiflorum Thunb. cv. Georgia. 037732
Foam sprays of **plant** *growth* regulating chemicals on rose shoot development at cutback. 037733
Pale coloration in Aphis fabae reared on beans treated withthe **plant** *growth* regulator, ethylene-bis-nitrourethane. 039837
Influence of nematicides on *growth* of **plots** of white clover on a yellow-brown loam. 039040
Impact of air pollution on the *growth* of **ponderosa** pine [Pinus, injuries]. 035466
Portable *growth* cabinet for algae and other small plants. 035923
Antenatal events and **postnatal** *growth* and survival of children—prospective observation in a rural Guatemalan village. 032262
Effect of kinetin on **potato** *growth* and productivity. 037862
Growth **potential** of clostridium botulinum in fresh mushrooms packaged in semipermeable plastic film [Food contamination]. 031948
Effect of cholesterol on *growth* & **production** of diosgenin, gitogenin, tigogenin & sterols in suspension cultures [Trigonella foenum-graecum]. 037452
The effect of dietary zinc, calcium and the previous zinc nutrition of the sow on *growth* of **progeny.** 034480
Effects of pruning severity and frequency and fertilizer levels on *growth* and **quality** of Juniperus chinensis varieties 'Pfitzeriana' and 'Hetzi'. 038455
The *growth-* and **quality-increasing** influence of pesticides on Azalea. 039581
Effects on the *growth* of the **rabbit** of L-lysine and DL-methionine supplementation of simplified plant diets. 034290
World demand prospects for bananas and citrus fruits, the effect of prices and income on the *growth* **rate** of consumption. 031736
Relationship of lactate dehydrogenase specificity and *growth* **rate** to lactate metabolism by Selenomonas ruminantium [Rumen bacteria]. 033754
Effect of age and sex on *growth* **rate** of beef cattle fed high roughage rations. 034442
Growth **rate** and change by age in marketability of white willow stands of Astrakhan Region [Salix alba]. 035589
Interaction of multiplication-stimulating activity with chick embryo fibroblasts demonstrates a *growth* **receptor.** 034112
A contribution to the application of the *plant-growth* **regulator** chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
Complex method for determining natural [plant] *growth* **regulators:** biotests. 036937
Growth **regulators** from the seaweed Chondrus crispus L. (Lyn.) [Algae]. 037044
Effect of *growth* **regulators** on early fibre development in cotton. 037453
The effect of several *growth* **regulators** on the root system of strawberry runner plants. 037645
Study of the RNA and protein synthesis in meristems of potato tubers and the effect of *growth* **regulators** of a phenylic nature on these processes. 037683
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of *growth* **regulators** in geotropically stimulated Vicia faba roots [Broadbeans]. 037885
Growth **regulators** in control of post-harvest fungal diseases of fruits and vegetables. 038689
Effects of moisture stress on the *growth* and **reproduction** of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. 037036
Growth and **reproduction** of the field vole Microtus agrestisL.) in forest plantations [Pests]. 038956
Glucose-6-phosphate dehydrogenase in tobacco callus strains differing in their *growth* and their **requirement** for auxin and cytokinin. 037369
Autonomic regulation of secretory activity and *growth* **responses** of rat parotid gland. 033948
Aging and its relation to cell growth and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to *growth* **restricting** conditions. 039900
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the *growth* **retardant,** tributyl [(5-chloro-2-thienyl)methyl] phosphonium chloride. 038772
Growth and **revolutive** movement of shoots from Periploca graeca L. 037329
Effect of antibiotics & fungicides on endogenous mycelial respiration & *growth* of **Rhizoctonia** solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Change in activity of certain oxidative enzymes in apples and pears during *growth* and **ripening.** 037719
Respiration of the cells of corn roots during deceleration of the rate of **root** *growth* induced by reduced temperature. 037587
Cellular analysis of the sigmoid curve of **root** *growth* [Quercus robur]. 037906
Growth of **root-callus** tissues of Citrus aurantifolia [Limes] (Christm.) Swing. in longterm culture. 037753
Effects of a light-Dark cycle on the *growth* of **Scenedesmus** protuberans Fritsch [Algae] in light-limited continuous cultures. 036961
Seasonal *growth* increment of pine, spruce, oak and birch in mixed stands of the Svesskii Forest Enterprise. 035598
A study of grasshopper species composition in primary and **secondary** *growth* [of tropical forests] in Costa Rica. 039706
Ecology of desert plants and observations on their seedlings. IV. Seed germination and **seedling** *growth* in Citrullus species. 036722
Effect of light on seed germination and **seedling** *growth* of Merremia species. 036945
Seed germination and early **seedling** *growth* of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
The effects on **seedling** *growth* of simulated seed damage in French beans. 037847

Influence of environmental factors on bud burst, inflorescences, fertility, and **shoot** *growth* of vines. 037882
More evidence for a **slender** *growth* habit in mesozoic cycadophytes [Ischnopyton iconicum, Leptocycas gracilis]. 036130
Effect of carbon and nitrogen nutrition on the *growth* and **sporulation** of Helminthosporium speciferum [Cotton]. 038650
Effect of different carbon sources on *growth,* **sporulation** and production of toxic metabolite in culture of Sphaceloma curcumae [Curcuma longa]. 038682
Effect of light spectrum on the *growth* and **sporulation** of two strains of Choanephora cucurbitarum. 038685
Conditions of *growth* and **spreading** of Rhododendron luteum Sweet (Ericaceae) on Slovechansko-Ovruchsky heights (Ukraine). 036840
Changes in soluble nitrogens during **spring** *growth* of Cryptomeria japonica seedlings. 037922
Effects of cold treatments on the **sprout** *growth* of three potato varieties. 037761
On the *growth* of **spruce** forests of the Carpathians of varying density. 035596
The effect of silvicultural methods of establishing pine **stads** on their *growth.* 035668
Genetic effect of formaldehyde in yeast [Saccharomyces cerevisiae]. I. Influence of the *growth* **stages** on killing and recombination. 036598
Growth of **stands** of Pinus koraiensis. 035574
Influence of length of feeding period, ration and breed on **steer** *growth* rate. 034445
Failure of supplemental zinc-proteinate, zinc sulfate and methionine to **stimulate** *growth* rate and feed efficiency of swine. 034470
Dietary effect on **subsequent** *growth* of the Silver Montazah and the Golden Montazah chicks. 034259
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and **subsequent** *growth* of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. 041068
Action of *growth* **substances** on the initial development of sugarcane [shoots] treated with hot water [Budding, rooting]. 037378
Content of *growth* **substances** in wheat leaves in ontogenesis. 037568
Effect of temperature factor on **sunflower** *growth* and productivity in regulated environments. 037413
Effect of cadmium on Chlorella [Algae]. II. *Growth,* **survival** and mutability of Chlorella. 036512
Effects of black plastic and mulches on *growth* and **survival** of landscape plants [Culture]. 038453
Effect of **synthetic** *growth* substances on endogenous growth regulators during organic dormancy of grape. 037665
Course toward **systematic** *growth* of farm production [Policies, Poland]. 031888
Incorporation of exogenous amino acids into metabolism of winter wheat at different **temperatures** of *growth.* 037427
A comparative analysis of *growth* of **ten** Egyptian cotton cultivars (Gossypium barbadense L.). 037609
An evaluation of *growth-center* **theory** and practice [Regional development]. 031031
Effect of guanidino-methylated arginines on the *growth* of **tobacco** tissue cultures. 037336
Sucker control: a review of experimental work 1966-1974 **[Tobacco** *growth* inhibitors]. 037487
Growth of **turfgrasses** as affected by soil phosphorus and arsenic [Herbicide residues]. 037822
Chemical inhibition of Ceratocystis **ulmi** *growth.* 038678
Growth of **Ulmus** laevis and Fraxinus excelsior seedlings in relation to length of flooding. 035656
Mechanism of **unbalanced** *growth* and death of biotin-deficient yeast [Saccharomyces cerevisiae] cells in the presence of aspartic acid. 039021
Effect of defoliation, shading, and tipping of shoots on flower bud development and **vegetative** *growth* of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Effect of host and nonhost crop seeds on **vegetative** *growth* and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684
Differences in **volume** *growth* increase after [forest] fertilization with urea and ammonium nitrate fertilizer. 040886
Microfibrils in primary and secondary **wall** *growth* develop trellis configurations [Wood cells]. 035716
Hyphal **wall** *growth* in Neurospora crassa and Geotrichum candidum [Fungi]. 037050
Soil pH [hydrogen-ion concentration] affects **weed** *growth,* too. 039129
Effects of the granular soil fumigant Basamid on germination, *growth,* **weed** control, and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578
Interaction of lime and seed pelleting on the nodulation and *growth* of **white** clover. II. Oversown trials. 037484
Effects of Bermudagrass [Cynodon dactylon] competition on the establishment and *growth* of **woody** plants in the landscape. 036246
Wool *growth* rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. 033717
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and **wool** *growth* of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400
Studies on the characteristics of sugi cultivars (Cryptomeria japonica D. Don) in Kyushu by the experimental designs. i. Analysis of the five **years** *growth* in randomized. 035639
Effects of B-9 (N-dimethyl-aminosuccinamic acid) on *growth* and **yield** of peanuts (Arachis hypogaea L.). 037468
Effect of variable plant heights and stump heights on the *growth,* **yield** and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). 038031
Growth and **yield** of cultivated plants treated with herbicides. 3. Treatment eith 2,3,6-trichlorobenzoic acid (TBA). 039183
The effect and aftereffect of fertilizers on vineyards **[Yields,** *growth].* 041089
Chemical forms of calcium in relation to the *growth* of **young** plants of maize. 037533

GRUBS

Control of Japanese beetle [Popillia japonica] and European **chafer** *grub* [Amphimallon majalis in turf] with Dursban insecticide. 039276
Starling (Sturnus vulgaris L.) predation on **grass** *grub* (Costelytra zealandica (White), Melolonthinae) populations in Canterbury [Biological control]. 039295

GRYLLIDAE

A gynandromorph cricket, Gryllus bimaculatus **(Grylloptera:** *Gryllidae).* 040002
Effects of dieldrin on the neurosecretory system and the ovarian development of Gryllus assimiliis F. **(Orthoptera,** *Gryllidae).* 039206

GRYLLOIDEA

The endemism and fauna formation of *Grylloidea* **(Orthoptera)** in Central Asia [USSR]. 040163

GRYLLUS

Effects of dieldrin on the neurosecretory system and the ovarian development of *Gryllus* **assimiliis** F. (Orthoptera, Gryllidae). 039206
A gynandromorph cricket, *Gryllus* **bimaculatus** (Grylloptera: Gryllidae). 040002

GUANIDINES

Inhibition of fungicidal action of cyano (methylmercuri) *guanidine* by **cysteine** and glutamic acid [of Sclerotium rolfsii]. 038697
Renaturation of yeast [Saccharomyces cerevisiae] inorganic pyrophosphatase denatured in urea and *guanidine* **hydrochloride.** 037018

GUANIDINO

Effect of *guanidino-methylated* **arginines** on the growth of tobacco tissue cultures. 037336

GUANOSINE

Cyclic *guanosine* 3',5'-monophosphate. High levels in the male accessory gland of Acheta domesticus and related crickets. 039640
Guanosine **metabolism** and regulation of fruiting body construction in Dictyostelium discoideum [Fungi]. 037239
Discovery of a *3',5'-guanosine* **monophosphate** simulating factor in amoebae of Dictyostelium discoideum [Fungi]. 036812
Cyclic nucleotide phosphodiesterase in silkworm [Bombyx mori] characterization of cyclic GMP *[guanosine* **monophosphate]** phosphodiesterase. 040213

GUAR

Natural crossing in *guar,* **Cyamopsis** tetragonoloba (L.) Taub. 036435

GUAVAS

Thiabendazole—storage of *guava* **fruits** [Fungus disease control]. 038717
Leaf amino acids of Psidium **guajava** *[Guavas].* 037790
Defoliation [with urea] and fruit **set** in *guava.* 038361

GUERNSEY *see* CATTLE

GUIGNARDIA

The presence of the grape black rot *[Guignardia* **bidwellii]** in La Spezia Province. 038728

GUM

Distribution of D-galactosyl groups in guaran and locust-bean **[carob]** *gum.* 032768
The influence of thinning upon defoliation by the *gum* **leaf** skeletonizer [Uraba lugens] in river red gum [Eucalyptus camaldulensis] forests. 039387
Microorganisms in *gums.* IV. **Microbial** degradation of plant exudates and seaweed extracts. 032155
Modern *gum* naval stores methods. 035891
Molecular structure of the polysaccharide exudate from Acacia baileyana F. Muell. **[Raw** *gum].* 032769
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in river **red** *gum* [Eucalyptus camaldulensis] forests. 039387
Antimicrobial action of galbanum *[Gum* **resin** of Ferula gumosa]. 037190

GUTIERREZIA

Gas exchange of three cool semi-desert species [Artemisia tridentata, *Gutierrezia* **sarothrae,** Agropyron spicatum] in relation to temperature and water stress. 037037

GYMNOCALYCIUM

Polymorphism in *Gymnocalycium.* II. 036361
Morphological wealth in *Gymnocalycium* **[Succulents].** 036360

GYMNODINIUM

Effect of colchicine, maleic hydrazide, caffeine & theobromine on cell division of the algal **flagellate** *Gymnodinium* inversum var. elongatum Nygaard (Dinophyceae). 036316

GYMNOSPERMS

Patterns in *gymnosperm* **evolution** [Paleobotany]. 036132
Evolutionary trends in **fossil** *gymnosperm* pollen. 036129
Morphologic interpretation of fertile structures in **glossopterid** *gymnosperms* [Paleobotany]. 036131
The **mesozoic** *gymnosperms.* 036133

GYNANDROMORPHISM

A *gynandromorph* **cricket,** Gryllus bimaculatus (Grylloptera: Gryllidae). 040002
The external genitalia of a *gynandromorph* of **Nudaurelia** cytherea cytherea (Fabr.) (Lepidoptera: Saturniidae). 039843

GYNECOLOGY

Gynecological **dispensary** system on large farms [Cattle, breeding]. 034852

GYPSUM

Gypsum **application** to water and soils during irrigation with mineralized water. 040727
Bud opening and overnight conditioning of *Gypsophila* **'Bristol** Fairy' [Plant regulators]. 037710
Weed control in *Gypsophila* **[paniculata];** progress report. 039125
Structural studies of a raw soil from the top layer of a *gypsum* **quarry** [Reclamation]. 041212

GYRINIDAE

The morphology of the dorsal and ventral eye of the whirligig beetle Gyrinus substriatus (Steph.) **(Coleoptera,** *Gyrinidae).* 039953

GYRINUS

The morphology of the dorsal and ventral eye of the whirligig **beetle** *Gyrinus* substriatus (Steph.) (Coleoptera, Gyrinidae). 039953

GYRODINIUM

Genetic analysis in the dinoflagellate **Crypthecodinium** *(Gyrodinium)* cohnii: evidence for unusual meiosis [Algae]. 036623

HABITATS

Leaf fall and the rate of litter decay in some **forest** *habitats* [in relation to leaf production and saphrophage activity]. 036923
An appraisal of the technique of pitfall trapping for epigeic communities of carabids (Coleoptera, Carabidae) in several selected **forest** *habitats.* 039867
The effect of properties of *microhabitats* formed on various **metamorphic** schists on vegetation [of meadows and forests]. 036924
Iodine accumulation in plants relative to their systematic **position** and *habitat.* 037001
Habitat **preference** of tabanid flies [Tabanidae] in Hokkaido based upon the collection of female adults. 040105
Forestry and wildlife conservation in the temperate zone. 1. General characteristics of forests and **wildlife** *habitats* and considerations for their conservation. 035521

HABITS

Dietetic *habits* and food consumptions by aged people in Piedmont; individual analysis. 032390
Behavioral therapy relating to obesity **[Eating** *habits].* 032467
TV advertising and its effects on children's **eating** *habits.* 032591
Study on relationships between *habits* and **external** structures in oligotrophidi larvae (Diptera, Cecidomyiidae). 039963
Food *habits* and nutrient intakes of Filipino women in Los Angeles. 032353
An unusual flowering and **fruiting** *habit* of grapefruit in the Khuzestan area of Iran. 037727
More evidence for a slender **growth** *habit* in mesozoic cycadophytes [Ischnopyton iconicum, Leptocycas gracilis]. 036130
Inheritance of **growth** *habit* components in self-pruning tomatoes. 036476
Vegetative and **reproduction** *habits* of castorbean (Ricinus communis) as affected by the nutrient area [Spacing]. 038556

HAEMAPHYSALIS

The ability of the females of ixodid ticks to recover after DDT poisoning during feeding [Ixodes persulcatus, *Haemaphysalis* **concinna,** Dermacentor silvarum]. 039501
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, *Haemaphysalis* **leporis-palustris].** 039492
Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a parasite of ticks [Ixodes, *Haemaphysalis,* **Ornithodoros]** in Queensland. 039483

HAIR
Effect of supplemental selenium on performance and deposit of selenium in blood and *hair* of **finishing** beef cattle. 034408
Glandular *hairs* are a possible means of limiting aphid [Macrosiphum euphorbiae, Myzus persicae] damage to the potato crop. 039312
Glandular *hairs* on [the potato] Solanum polyadenium lessen damage by the Colorado beetle [Leptinotarsa decemlineata]. 039313
Effect of adenine and imidazole derivatives and indolylacetic acid on membrane potential of the cells of **root** *hair* in Trianea bogotensis. 036939
Ultrastructure of Rhizobium-induced infection threads in clover **root** *hairs*. 038853
Hairy **shaker** disease: preliminary studies on the nature of the agent, and the induced serological response [Sheep]. 035161

HALICTIDAE
Mating behavior in halictine bees (Hymenoptera: *Halictidae).* III. **Copulatory** behavior and olfactory communication. 039815

HALOGENS
Perforene, a **new** *halogenated* sesquiterpene from the red algaLaurencia perforata. 037296
Species variation in the metabolism of some **organic** *halogen* compounds [Organochlorine pesticides]. 039537

HALOTHANE
A comparative study on the irreversible binding of **labeled** *halothane* trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in vitro and in vivo [in mice]. 035391

HAMSTERS
Biosynthetic studies in mannolipids and mannoproteins of normal and vitamin **A-Depleted** *hamster* livers. 033787
Further study of the mutation process in **chinese** *hamster* cells in vitro. 034815
In-vitro fertilization of *hamster* **eggs** in different media and the stimulating effect of heterologous and homologous spermatozoa. 033640
Suppression of the development of **female** *hamster* [sexual] behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. 034673
Brugia pahangi: susceptibility and macroscopic pathology of **golden** *hamsters*. 035058
On the mechanism of neurotropism of vesicular stomatitis virus in **newborn** *hamsters*. Studies with temperature-sensitive mutants. 035110

HAND
Controlling common Burmudagrass [Cynodon dactylon, around nursery beds] with *hand-applied* **applications** of [the herbicide] Roundup. 039174
Method of examining the relationship between the current increment of [forest] stand volume on the **one** *hand*, and breast height cross-section area and the number of trees per area unit on the other. 035622
Management and nutrition of early weaned pigs. 3. A comparison between machine-fed and *hand-fed* **pigs**. 034474

HAPLOIDS
Chromosome doubling of **barley** *haploids* by nitrous oxide and colchicine treatments. 036406
Identification of **cotton** *haploids* by stomatal chloroplast-count technique. 036431
Regeneration of *haploid* and **diploid** Datura innoxia Mill. Mesophyll protoplasts to plants. 036716
In vitro development of *haploid* **embryos** of Nicotiana tabacum cultivar Kentucky [Tobacco, tissue culture]. 037352
Induction of *haploid* **glycoprotein** mating factors in diploid yeasts [Hansenula wingei]. 037103
High frequency of haploidy in the progeny of diploidized **maize** *haploid*. 036518
Radiosensitivity of double **mutant** *haploids* of yeast [Saccharomyces cerevisiae]. 036525
Spontaneous diploidization in *haploid* **Nicotiana** silvestris Speg. et Comes. 036376
Haploid **plantlets** from microspores of rye. 036719
Use of **potato** *haploids* in breeding and genetic studies. 036659
High frequency of *haploidy* in the **progeny** of diploidized maize haploid. 036518
A contribution to the production of *haploids* in **rye**, Secalecereale L. 036403
A colchicine induced diploid from a *haploid* **soybean** twin. 036568
The *haploid* **technique** in barley breeding. 034597
Haploid **tobacco** plants produced in anther culture. 036677
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of *haploid* **yeasts** [Saccharomyces cerevisiae]. 036661

HAPLOPAPPUS
Localization of DNA replicator sites near the nuclear membrane in plant cells *[Haplopappus* **gracilis**]. 036308
Dynamics of the circadian mitotic rhythm during formation of *Haplopappus* **gracilis** strains during culturing in vitro. 036462

HAPLOPHYLLUM
Flindersine from *Haplophyllum* **perforatum.** 036881

HAPTOGLOBIN
Investigation of sheep blood **serum** *haptoglobin*. 033825

HARDENING
Thermal *hardening* of the cells of higher plants in the semiarid subtropics. 037272

HARDINESS
A classification of *hardy* **North** American apple cultivars based on hardiness zones [Varieties]. 038299
Role of single chromosomes of Agropyron glaucum X genone in the inheritance of the physiological basis of **winter** *hardiness*. 036526
Genetic aspects of **winter** *hardiness* in winter soft wheats. 036711
Frost resistance, **winter** *hardiness* and yield of winter wheat relative to its moisture and nutrition conditions. 037604
Winter *hardiness* of endemic and introduced [ornamental and fruit] trees in the southern Far East. 037856
Effect of presowing treatments of seeds with chlorcholinechloride on the **winter** *hardiness* of winter wheat. 038154
Regeneration in winter wheat varieties differing by **winter** *hardiness* after mechanical damages. 038976
Winter *hardiness* of bees [Apis mellifera] as a breeding characteristic. 040283
A classification of hardy North American apple cultivars based on *hardiness* **zones** [Varieties]. 038299

HARDNESS
Registration of 11 germplasm lines of **Centana** *hard* red spring wheat. 036455
Committee on Commodity Problems. Report of the ninth session of the Intergovernmental Group on *Hard* **Fibres;** Rome, 30 June-4 July 1975 [Situation studies]. 031799
Committee on Commodity Problems, Intergovernmental Group on *Hard* **Fibres;** tenth session, Nairobi, 9-14 February 1976. Results of questionnaires on abaca requirements by grade. 031979
Committee on Commodity Problems, Intergovernmental Group on *Hard* **Fibres;** tenth session, Nairobi, 9-14 February 1976. Philippine abaca exports by grade, 1970-74. 031980
Influence of air phase dispersity on *hard* **ice-cream** texture. 032950
Sawing pattern effect on warp loss of *hard* **maple** [Acer saccharum] dimension stock. 035748
Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in *hard* **red** winter wheat. 039263
Production of *hard* **salamis.** 033117
Hard and **soft** selection revisited [Drosophila]. 039730
Determining total radial reactions to wheels of the logging truck, including *hardness* **of suspension** and tires. 035806
Results of trials with chlorcholine chloride (CCC) used on soft and *hard* **wheat.** 037353
Hard **wheat** [varieties] for north-central Italy. 038045
Susceptibility of some soft and *hard* **wheat** varieties to herbicides used for control of [weedy] grasses. 039097
The 1975 wheat harvest. II. Quality of soft and *hard* **wheats.** 038101

HARDWOODS
The phenomenon of "depression" in *hardwood*, **broadleaved** forests [Physiological diseases, forest trees]. 039031
Full forest utilization. II. Quality and kraft pulp yield of eastern **Canadian** *hardwoods*. 035849
Studies on propagation of Ficus by *hardwood* **cuttings.** 038266
Impact of changing land use on **delta** *hardwood* forests. 035560
How *hardwoods* respond to H2S [hydrogen sulfide] pretreatment kraft pulping. 035855
Mixed *hardwood* forests and the continuity of timber supply in Central Sarawak. 035599
Solid **profits** from *hardwoods*. 035608
Chemical treatment and inoculation of *hardwood* **stumps** for control of Armillaria mellea. 038565
Ray tissue percentages in wood of **Yugoslavian** *hardwoods*. 035776

HARIANA *see* CATTLE

HARMALA
New alkaloids from **Peganum** *harmala*. 036891

HARNESS
Harness **groundwater** for green revolution [India]. 041280

HARPALINAE
Larval diagnosis of the tribe Stenolophini and notes on theclassification of the **subfamily** *Harpalinae* (Coleoptera, Carabidae) [New taxa]. 039979

HARPALUS
A melanic specimen of *Harpalus* **(Ophonus)** schaubergerianus Puel (rufibarbis auctt.) (Coleoptera, Carabidae) from Suffolk. 040009

HARVEST
Advanced *harvesting-transportation* complexes [for removing grain from the fields]. 031396
Post maturity changes and keeping quality of seedless grapefruit 'Pink Marsh' in relation to the **age** of *harvest*. 033345
The biology and pathogenicity of fungi causing moulds on **avocados** after *harvest*. 038623
Atoms contributing to **bigger** *harvest* [Radioactive radiationof seeds]. 037993
The MSK-1 **cabbage** *harvesting* combine. 040543
Economic incentive in the *harvesting* of **cereals.** 035511
Cherry *harvesting* in the Jerte Valley. 038238
The *light-harvesting* **chlorophyll** a/b-protein complex of Chlamydomonas reinhardii [Algae]. 037205
Socioeconomic dimensions of Florida **citrus** *harvesting* labor. 031279
Conbine *harvesting* of cereals. 040449
The management of the transportation of *harvested* **crops.** 031400
Rationalization of transport of **cucumber** *harvested* in greenhouses. 038316
Effect of variety and *harvest* **date** on tuber sugars and chip color [Potatoes]. 033324
Effect of planting and *harvest* **dates,** location in the hill and tuber size on sugar content of Kennebec potatoes [in North Dakota]. 038255
Post-harvest **decay** of fruits of tomato caused by Cylindrocladium scoparium. 038706
Reglon—an effective *[pre-harvest]* **desiccant** of castorbean under irrigation. 038559
Cassava storage; *post-harvest* **deterioration** and storage of fresh cassava roots. 033468
Navel orangeworm control through **early** *harvest* [Insect pests of walnuts]. 039324
If you enjoy eating, thank the machines! *[Harvesting* **equipment].** 040544
Growing lettuce for *harvest* in **February.** 038309
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 *harvest* **[Feeding,** livestock, mycotoxicosis]. 034495
PTP-1 works efficiently [Pickup device for *harvesting* **fiber** flax stems after dew retting]. 038073
The effect of interval between harvests and nitrogen application on the proportion and yield of crop fractions in four ryegrass [Lolium] varieties in the **first** *harvest* year. 038048
Prediction of the **first** *harvesting* date of Creole onions inthe Palo Verde Valley of California. 038280
Controlled sun drying of **freshly** *harvested* paddy for improved milling quality. 033265
Experience regarding the organization of pome **fruit** *harvest* in large-scale horticulture. 031286
Growth regulators in control of *post-harvest* **fungal** diseases of fruits and vegetables. 038689
Effect of **grape** *harvesting* and sorting methods on keeping quality. 033458
Previous experience with the chemical defoliation of vines to facilitate **grape** *harvesting*. 038411
Stabilization of *harvest* of the **[grape[** variety Neuburger by means of inhibiting substances and spraying with ammonium molybdate. 038412
A first glimpse of the 1975 **[grape]** *harvest*. 038461
Mechanization of the **grape** *harvest* in the Cognac area. 040528
The state of motorization of the **grape** *harvest* on the eve of demonstrations of Montpellier-Lavalette, November 4-6, 1975. 040529
About the [experiment of] *harvesting* **grapes** with a combine. 038522
The 1974 [sugarcane] *harvest* in **Guadeloupe.** 038088
[Mechanical] *harvesting* and **handling** of crisphead lettuce. 033407
Reduction of wastage during *post-harvest* **handling** of bananas in the Sudan. 033471
Modification of a self-propelled plot combine for *harvesting* **hill** plots of soybeans. 040462
Strawberries: *harvesting* **ideas** from America's favorite fruit. 032638
The sugarbeet cooperative **Kats** *[Harvesting].* 031353
The violation of the time limit [for *harvesting]* **leads** to losses of grain [of cereal crops]. 038203
How to double the *harvest* of **loblolly** and slash pine timber [Pinus taeda, Pinus elliottii]. 035559
The preparation of the cutter bar of reapers for *harvesting* **lodged** cereals. 040549
Production of [sugarbeet] *harvesting* **machines** in [West] Germany and France in large quantity. 040550
Harvesting of **maize** with self propelled combine C-12 equiped with devices for spadixes and grains. 040519
Work organization using the combine C-12 in *harvesting* **maize.** 040527
Control in internal browning of 'Schmidt' sweet cherries [due to bruising during **mechanical** *harvest]* by handling in water. 033385
Mechanical *harvesting* of Brussels sprouts, with suggestionsfor cultural methods. 038069
Using ethephon for easier **mechanical** *harvest* of sweet cherries. 038325
Ethylene-releasing compounds to loosen olive fruits for **mechanical** *harvesting* [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. 038362
Mechanical *harvesting,* handling and related research [Harvester performance]. 040477
Mass sorting of **mechanically** *harvested* tomatoes. 033448
Mechanized *harvesting* of plums for processing; results of trials with a prototype [of machinery] constructed by the Institute of Fruit Culture of the University of Bologna. 038384
A prototype of a machine for the **mechanized** *harvesting* of strawberries. 040486
Organization of **mechanized** *harvesting* in sunflower stands. 040522
Organizing **mechanized** *harvesting* of soybeans and kidney beans. 040523
On some problems of **mechanized** *harvesting* of tomatoes. 040542

Harvesting **methods** for cauliflower. 038327
Effects of *harvesting* **methods** on the quality of the canned peaches [Damage, keeping quality]. 038463
The *harvesting* of **mustard** with grain combines. 040548
The high-pressure pick-up baler K453, a **new** *harvesting* machine for the baler line. 040481
The effect of interval between *harvests* and **nitrogen** application on the proportion and yield of crop fractions in four ryegrass [Lolium] varieties in the first harvest year. 038048
Transplanting versus direct-seeding of processing tomatoes for **once-over** *harvest.* 038267
Results of one-stage **onion** *harvest* [Storage]. 033377
Use a helicopter to supervise your *harvesting* **operations.** 035611
Harvesting, **packing,** and cooling western Iceberg lettuce. 033396
Post *harvest* losses in food grains. 031435
The 1974 world **potato** *harvest.* 031683
Roadside *harvest* [of crested wheatgrass for low-cost forage]. 037951
The integrated utilization of technical means for the transportation of the sunflower **[seed]** *harvest.* 031399
Seed *harvest* [Field crops]. 038066
Measures to be taken at *harvesting* of **seed** crops. 038112
Field **seed** *harvest* 1975. 038164
Time for pasture **seed** *harvest.* 038168
[Mechanical damage] to sunflower **seeds** [at *harvesting].* 038208
[Mechanical damage] to soybean **seeds** [at *harvesting].* 038209
Effect of *harvesting* **stage** on cereal and legume forage production in low rainfall regions. 038047
The control of the quality of *harvesting* **straw** and chaff [of cereal crops]. 038197
Demonstration of a mechanized **straw** *harvest* [Equipment]. 040497
Choice of machines in relation to management of **sugarbeet** *harvest.* 031352
Soviet **sugarbeet** *harvest* below target [Production]. 031612
Total result of the 1974 **[sugarcane]** *harvest.* 038089
Lettuce handling **systems** *[Harvesting].* 038376
Post-harvest **technology** of cereals. 033239
Slope instability in relation to **timber** *harvesting* in the Chilliwack Provincial Forest. 035742
Nutritional value of three varieties of alfalfa hay from **two** *harvest* systems. 034483
The 1975 **wheat** *harvest.* II. Quality of soft and hard wheats. 038101
1975 **wheat** *harvest.* 038102
Quality and technical usefulness of **wood** *harvested* in the course of late cleaning [in young forest stands]. 035829
Effect of degree of sprouting in winter wheat and rye on seed quality and *harvest* **yields.** 037557

HARVESTERS

Improvements that turned a *harvester* into a **dream** machine [Sugarbeets]. 040457
Influence of the type of **forage** *harvester* on the value of grass silages for heifers of dairy breeds. 034292
Influence of the type of **forage** *harvester* on the silage intake level and the performances of dairy cows. 034293
To avoid accidents at work with E 280 **forage** *harvester.* 040444
Mechanical harvesting, handling and related research *[Harvester* **performance].** 040477
Multirow **potato** *harvester* conquers the fields. 040507

HATCHING

Curbing boll weevil [Anthonomus grandis] **egg** *hatch* [Cotton]. 039254
The egg: production, selection and care of *hatching* **eggs** forbest hatching results. 034649
Dietary effect on the performance of the Silver Montazah and the Golden Montzah pullets. 4. Egg **fertility** and *hatchability.* 034263
The egg: production, selection and care of hatching eggs **forbest** *hatching* results. 034649
Effect of margosa & marigold root exudates on mortality & **larval** *hatch* of certain nematodes. 039001
A survey on spoilage of eggs and death of chickens during **natural** *hatching* and rearing by hens. 034646
The growth of the chick **retina** after *hatching.* 033735

HAULM

Chemical composition of **cereal** *haulm* and its significance in resistance to lodging. 037534
The yields of extracted protein and of residual fiber from **potato** *haulm* taken as a by-product [Feed]. 033507

HAUSTORIUM

Study of some factors influencing the formation of endosperm and **endospermous** *haustoria* with Ocimum basilicum L. 036359
Observations on the fine structure of the *haustorium* of **Melampsora** pinitorqua (A. Br.) Rostr. in cells of Pinus pinea L. 036298

HAWORTHIA

Haworthia **[Succulents,** varieties]. 038498

HAWTHORNS

Development and properties of streptomycin resistant cultures of Erwinia amylovora derived from English isolates [from pear, apple and *hawthorn* **trees].** 038864

HAY

A two-year comparison of fortified corn silage and **alfalfa** *hay* (mixed) for wintering ewes. 034465
Digestibility of nutrients from **alfalfa** *hay,* corn and oats by ponies. 034467
Nutritional value of three varieties of **alfalfa** *hay* from two harvest systems. 034483
Influence of a preservative on **bermudagrass** *hay* stored with approximately 16 and 24 percent moisture content. 033552
Digestibility and nutritional value of some forages (white **clover** *hay,* ryegrass, carrot-roots and wheat bran) for ponies. 034282
The influence of the degree of polymerisation of water soluble carbohydrates on their loss during *hay* **drying** in the field. 033589
Crystal and molecular structure of eupatolide, the major cytotoxic principle from Eupatorium **formosanum** *Hay.* 037024
Turbidimetry and colorimetry in the sulfur content determination of plants compared with the gravimetry method *[Hay,* **maize,** Abies]. 037324
Irrigated alfalfa for *hay* **meal** [Culture, manufacture]. 038059
Coastal Bermuda [Cynodon dactylon] for grazing and *hay* **production** [Feeding beef cattle]. 034437
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of *hay,* **silage** and pasture differing in digestibility. 034400

HAYING

Big **packaged** *haying* systems. 033495

HAZELNUTS

Graft combinations of a number of **cultivated** *hazelnut* varieties on the rootstock Corylus colurna L. 038408

HEAD

Short day handling of early **autumn** *head* lettuce [grown] under glass. 037877
Upper intertidal algal zonation on **Bodega** *Head,* Sonoma county, California. 036058
The *head* **caruncles** of the Muscovy duck (Cairina moschata domestics L.). Development of the surface in males and females of some types. 033742
Studies on the efffect of some commonly used insecticdes against **coconut** *black-headed* caterpillar [Nephantis serinopa Meyr]. 039326
Peculiarities in the structure of the **female's** *head* as a taxonomic character in the family of mosquitoes [Culicidae]. 040055
Head **fungi** [Curyvularia lunata] of sorghum, phytotoxins andtheir effects on seed germination. 038690
Further determination concerning breakdown of PCNB [pentachloronitrobenzene] in *head* **lettuce** cultivated under glass. 039596
Lettuce *head* maturity gage [Measuring equipments]. 040476
Measurement methods for *head* **loss** and velocity distribution after pipe bends and wye pieces [Hydrology]. 041310
Double-headed **protease** inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Double-headed **protease** inhibitors from black-eyed peas. II. Structural studies by optical absorption and circular dichroism. 037769
Double-headed **protease** inhibitors from black-eyed peas. III. Subunit enteractions of the native and half-site chemically modified proteins. 037770
Double-headed **protease** inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. 037771
Double-headed **protease** inhibitors from black-eyed peas. V. Analysis of the energetics of protease-inhibitor interactions. 037772
Double-headed **protease** inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
The amino acid sequence of the *double-headed* **protein** proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Nutritional status of *Head* **Start** and nursery school children. I. Food intake and anthropometric measurements. 032356

HEALTH

Regional laboratories of **animal** *health.* 034878
Research concerning the effect of the educational **campaign** *"Health* orders" [Nutrition]. 032472
Results regarding leg and **claw** *health* in swine [Abnormalities]. 035372
Studies on histamine concentrations in milk and blood in *health* and **clinical** mastitis in buffaloes and cows. 033966
Occurrence of latent metabolic disturbances in **clinically** *healthy* dairy cows. 035382
Some comments on the effect of leguminous plants on *health* **conditions** of farm animals. 034517
Contribution of the Veterinary Services of the Ministry of *Health* in the **control** of salmonellosis. 035221
Health and **disease** [in mink]. 034932
The *[health]* **educational** campaign (Beginning 1968 to the middle of 1970) [Nutrition]. 032478
Health **effects** from organophosphate pesticides. 039545
Some preliminary findings from the **first** *Health* and Nutrition Examination survey, U.s.a., 1971-1972. 032308
Intellectual convictions of *"health"* **food** consumers. 032379
Spectral reflectance studies on *healthy* and **fungus-infected** cotton and corn plants in Egypt. 038757
Influence of different types of stabling on the *health* and **growth** performance of calves. 033669
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal sewage lagoon effluent *[Health* **hazards** to livestock]. 041353
Reproductive **herd** *health* program for dairy cattle. 034839
Health-giving **honey.** 032845
Health **importance** of swine insemination [for disease control]. 034941
Health, **labor** and fire protection as a task of [farm] management. 031327
Glycogen demonstration in the leucocytes of *healthy* and **leucotic** cattle [Leukemia]. 035373
Equipment used to **meet** *health* regulations for effluent water use [for irrigation]. 040517
Nutrition, **mother's** *health* and fertility: the effects of childbearing on health and nutrition. 032440
Modular communications system (MCS): an outpatient bilingual nutrition education program for a **neighborhood** *health* clinic. 032297
A model for the integration of *health* and **nutrition** planning. 032213
Practices and problems in HANES *[Health* and **Nutrition** Examination Survey]. 032358
Nutrition, mother's health and fertility: the effects of childbearing on *health* and **nutrition.** 032440
Are we what we eat? **Nutrition** and *health.* 032507
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture **Organization/World** *Health* Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in public health and agriculture. 039592
The microflora of the hen house and its influence on the *health* and **performance** of poultry. 034901
Dust control in industrialised swine units, its relevance to animal **performance** and *health.* 034914
A **picture** of *health.* 032688
Systems analysis in nutrition and *health* **planning:** approximate model relating birth weight and age to risk of malnutrition. 032314
Experience from the active control of **poultry** *health* in field conditions. 034940
Start your *health* **program** by feeding right [Cattle]. 034354
The necessity of using *healthy* **propagation** material of Salix alba in connection with the spread of Watermark disease [Erwinia salicis] in the Netherlands. 038857
Waste and *health* **protection.** 032045
The **public** *health* implications of larval Thynnascaris nematodes from shellfish. 032101
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in **public** *health* and agriculture. 039592
Ageing characteristics of wood of *healthy* and **sandhill-declined** Citrus sinensis [Sweet oranges]. 036290
The effects of copper supplementation on **stock** *health* and production. 3. The effect of parenteral copper on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
Economic analysis of veterinary services for **udder** *health* in industrialised dairy farming units [Costs]. 031490
Spome economic aspects of assuring **udder** *health* in industrially producing dairies. 034925
Pesticide residues in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO **[World** *Health* Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. 031991
Dietary regulation of serum lipids in *healthy,* **young** adults. 032349

HEARING

The *hearing* of **bees** [Apis mellifera]. 040278
The noise of chainsaw. III. Calculating method of the protection provided by the *hearing* **protector** and the noise control criterion. 035706

HEART

Kinetic studies on rat liver and **beef** *heart* mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
Studies on the regulation of pyruvate dehydrogenase in isolated **beef** *heart* mitochondria. 033767
A youth project with a **big** *heart* [Conservation]. 041660
Purification of creatine kinase from **bull** *heart* mitochondria. 033827
Optical isomers of verapamil on **canine** *heart.* Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116

Developmental changes of AMP-deaminase activity in **chick** *heart* muscle. 033984
Ultraviolet-induced alterations of beat rate and electrical properties of embryonic **chick** *heart* cell aggregates. 034063
The intracellular digestive apparatus of cultured **chicken** *heart* cells. A morphological, enzyme cytochemical, and morphometriec study. 034247
Diet and **coronary** *heart* disease. 032268
Effects of dopamine on sinus rate and ventricular contractile force of the **dog** *heart* in vitro aand in vivo. 033833
Outflow from the left and the right coronary artery into the coronary sinus in the **dog** *heart* in situ. 034135
Kinetics of the red cell washout from coronary vessels of isolated **feline** *hearts.* 033847
The effect of catecholamines on the metabolism of glucose, fatty acids, and on the *heart* **frequency** in goats. 034226
Arteries of the *heart* of the **horse** and dog. 033745
Influence of an anti atherosclerotic diet containing a protein enrichment agent on the clinico-biochemical indices in patients with **Ischemic** *heart* disease. 032488
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and rheusus **monkey** *heart.* 034069
The action of thyroxine on the structure of the *heart* **muscle** cell mitochondria in prenatal ontogenesis [Chick embryos]. 034217
Lipid composition and protein profiles of outer and inner membranes from **pig** *heart* mitochondria. Comparison with microsomes. 033805
Pig *heart* mitochondrial ATPase [adenosine triphosphate]: properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Special features of Pi [phosphate] transport in **pig** *heart* and rat liver mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823

HEARTWOODS

Tetranortriterpenoids from the *heartwood* of **Cacapa** guianensis. 037933
Coptotermes in the *heartwood* of **living** trees in Central andWest Africa. 039401

HEAT

Suspended sediment, solar radiation and *heat* in **agricultural** reservoirs. 041394
Economy and saving of concentrates with *hot* **air** drying of green feeds. 033586
One instrument of the energy revolution: the *hot* **air** pump [for buildings]. 040381
Gibberellin-like compounds in fresh and *heat-treated* **barley.** 033153
Tolerance of alkaline protease of the fungus Torula thermophila strain UzPT-1 to *heating* and Ca2+ **[calcium]** ions. 037233
A useful equation for **calculating** *heat* and mass transfer processes with varying surface temperature [Food technology]. 032736
Isolation of Ne-(2-furoylmethyl)-L-lysine (furosine) from an acid hydrolyzate of **casein** *heated* with glucose. 032927
A simplified technique for vasectomy of *heat* **check** boars [Surgery]. 034913
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and *heat-treated* **corn** flour and of the mixtures studies. 033208
Cutaneous *heat* exchanges of piglets reared in a tropical climate. I. Influence of climatic conditions and influence of the breed. 033748
Measurement of **cutaneous** *heat* exchanges in swine reared under shelter by means of the energy balance method. 033751
Leaf conductance and leaf water status of sesame strains in *hot,* **dry** climates. 037392
Technology—the manufacture of **electric** *heating* elements on a plastic base [Grapes, culture]. 040388
Heat **exchange** during cooling fruit and/or vegetables in stacks or in bulk. 033347
Heat **exchange** through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for off-season flowering of chrysanthemums]. 037711
The rationale of massive-dose vitamin therapy (megavitamin therapy: *hot* **fictions** vs cold facts). 032324
On *heat* **flows** into soils. 040733
Induction of estrus in mares after **foal** *heat* with prostaglandin-F2alpha. 034727
Heat transfer with regard to thawing and *heating* of **frozen** prepared foods. 032747
Investigations on heat transfer of model substances with regard to thawing and *heating* of **frozen** foods. 032748
Transport of water and *heat* in a **frozen** permeameter [Soils]. 040783
Greenhouse *heating* efficiency. 038298
Wine making by mash heating; long-term warming as an alternative to **high** *heat* for a short time. 033466
Economy of **high** *frequency-preheating* chip mats in particle board production. 035763
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of **leaf** *heating* [Kidney beans]. 037869
Heat in the **life** of honeybees. 040301
Now, *hot* **lunch** for all kids at Reading schools. 032656
Wine making by **mash** *heating;* long-term warming as an alternative to high heat for a short time. 033466
The transpiration method of **measuring** *heat* resistance of [vegetable] plants. 037868
Studies into ways to induce the onset of puberty by means of *heat* and **ovulation** synchronisation [Swine]. 034753
Heat **preservation** and emission from the body surface in the mink Mustela vison. 034248
Heat **resistance** of ileal loop reactive Bacillus cereus strains isolated from commercially canned food. 031949
Identification of *heat-dissociable* **RNA** complexes in two porcine coronaviruses. 035164
Heating the **seeds** of fiber flax with warm air [for increasing germination percentage]. 037785
Effect of *heat* **shock** on the synthesis of low molecular weight RNAs in Drosophila: accumulation of a novel form of 5S RNA. 039671
Synchronization of the fission yeast Schizosaccharomyces pombe using *heat* **shocks.** 037110
The effects of heat treatment and pH [hydrogen-ion concentration] on the *heat* **stability** of recombined evaporated milk. 033015
Concerning the influence exercised by air contained in *heating* **steam** of temperature drop in processes of heat transmission [Sugar processing]. 033306
Results obtained from histological uterus examination of young sows after heat synchronization, *heat* **stimulation** and synchronization of ovulation. 034751
Why **survey** *heats?* [Cattle, estrous cycle]. 034786
Results obtained from histological uterus examination of young sows after *heat* **synchronization,** heat stimulation and synchronization of ovulation. 034751
Waltham beats the high cost of small **system** *hot* feeding. 032577
Thermal conductivity measurements of food products by the *heated* **thermocouple** method. 032760
Modifying effect of daily yields on the *heat* **tolerance** of cattle. 034186
Heat **transfer** and freezing capacity of foodstuffs in household freezers. 032744
Heat **transfer** coefficients in plate freezing: the effect of packaging materials [Foods]. 032745
Heat **transfer** through layers of agricultural products of near spherical shape. 032746
Heat **transfer** with regard to thawing and heating of frozen prepared foods. 032747
Investigations on *heat* **transfer** of model substances with regard to thawing and heating of frozen foods. 032748
Research on *heat-mass* **transfer** in processes occurring at phase transformation under vacuum [Food technology]. 032754
Concerning the influence exercised by air contained in heating steam of temperature drop in processes of *heat* **transmission** [Sugar processing]. 033306
Domiati cheese stored at room temperature as affected by *heat* **treatment** of milk and different salting levels. 032935
Studies on casein proteolysis. II. Total casein proteolysis as influenced by *heat* **treatment** of milk proteins. 032996
The effects of *heat* **treatment** and pH [hydrogen-ion concentration] on the **heat** stability of recombined evaporated milk. 033015
Sugarcane: *heat* **treatment** for control of ratoon stunt [Xanthomonas]. 038854
Uderground *heating* of crops and solar energy storage. 040335
The economics of **waste** *heat* utilization for controlled environment [greenhouse] production of agricultural products [Costs]. 031437
Action of growth substances on the initial development of sugarcane [shoots] treated with *hot* **water** [Budding, rooting]. 037378
Malolactic fermentation in funcetion of sulfite treatment and *heating* **[Wine** manufacture]. 033316

HEATHER

Weed control in *heather* **[Erica** persoluta]; progress report. 039126

HEAVING

Tests of the concept of secondary **frost** *heaving* [of soil]. 040777

HECTARES

Effective exploitation of each *hectare* of **land** [Productive capacity of agriculture, Five-Year Plan, pasture management of sheep]. 031891
High yields of **sugarbeet** per *hectare.* 038109
53.8 centners per *hectare* [of **winter** wheat Mironovskaia 808variety]. 038212

HEDGES

Commodity *hedging* in lumber and plywood [future]. 035743
Grow karonda [Carrissa carandas] for **fruit** and as a *hedge.* 038433
Hedging **strategies** in the lumber futures market. 035747

HEIFERS *see* CATTLE

HEIGHT

Both concentration and quantity of retardant **affect** *height* of lilies [Culture]. 038297
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and **breast** *height* cross-section area and the number of trees per area unit on the other. 035622
Spatial variation of the snow **cover** *height* and the depth of freezing of Grey forest soils under conditions of Pridesnyanskaya highland. 040745
Stand, early growth and plant and **ear** *height* of endosperm mutants and normal maize hybrids under field conditions. 036715
Studies on selection forest of akamatsu (Pinus densiflora) in Kikuma-cho. 12. On the germination and vanishment of the natural seedlings and their *height* **growth.** 035638
Height **growth** of black spruce and jack pine [Picea mariana, Pinus banksiana] seedlings in flooded flats. 037911
Hydrologic instrumentation in the research watersheds: St. **Louis** *Heights* and Waahila Ridge, Oahu, Hawaii. 041304
Plant *height,* protein percentage, and yield relationships in spring wheat. 037393
Effect of variable **plant** *heights* and stump heights on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). 038031
The effect of ethephon on onion **seedstalk** *height* and seed production characteristics. 037737
Short *height* of the rice plant and good panicle exertion. 036260
Conditions of growth and spreading of Rhododendron luteum Sweet (Ericaceae) on **Slovechansko-Ovruchsky** *heights* (Ukraine). 036840
Effect of variable plant heights and **stump** *heights* on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). 038031

HELENIUM

Sesquiterpene lactones of **Inula** *helenium.* 036898
Insects at flowers of Elecampane (**Inula** *helenium* L.). 040021

HELIANTHUS

Factors influencing changes in ploidy and nuclear DNA levels in cells from normal, crown-gall and habituated cultures of *Helianthus* **annuus** L. [Sunflowers]. 036345
Distribution of calcium, potassium and phosphorus in *Helianthus* **annuus** [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
Effects of gibberellic acid on DNA synthesis and histology in the shoot apex of *Helianthus* **annuus** [sunflowers] during the transition to flowering. 037383
Inheritance of some characters and properties in **sunflower** *(Helianthus* annuus L.). 036497
Effect of aeration on the flood-induced formation of adventitious roots and other changes in **sunflower** *(Helianthus* annuus L.). 037529
Study of the transmission of Botrytis cinerea by **sunflower** *(Helianthus* annuus) seed. 038796
Studies on several **wild-growing** *Helianthus* species [for possible crossings with sunflowers]. 036483

HELICHRYSUM

Effects of moisture stress on the growth and reproduction of three annual species *[Helichrysum* **cassinianum,** Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. 037036

HELICOID

Amino acid transport by the *helicoidal* **colon** of the new-born pig. 033785

HELICOPTERS

Testing dosage rates of methoxychlor applied by *helicopter* for **control** of Dutch elm disease [Ceratocystis ulmi]. 038619
The *helicopter*—**new** tool for forest management. 035610
Use a *helicopter* to **supervise** your harvesting operations. 035611

HELIOCOCCUS

Revision of the **genus** *Heliococcus* Sulc (Homoptera, Coccoidea) in the Soviet fauna. II. 040073

HELIOTHIS

The effect of the light regime upon the Accumulation of phospyhorus combinations in pupae of *Heliothis* **armigera** Hb. (Lepidoptera, Noctuidae). 039719
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of *Heliothis]in* a **lactating** cow [Toxicity tests]. 039562
Survey of the regional Gossypium hirsutum L. Primitive race collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, *Heliothis* **virescens].** 036391
Trehalose and glucose levels in the hemolymph of *Heliothis* **virescens** parasitized by Microplitis croceipes or Cardiochiles nigriceps. 039271
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of *Heliothis]* by **white** rats [Mammalian toxicity tests]. 039564

HELIOTROPIUM

Acetyllasiocarpine, an alkaloid from *Heliotropium* **europaeum[formed** by mild acetylation of lasiocarpine, toxicity]. 039101

HELIPTERUM

Effects of moisture stress on the growth and reproduction of three annual species [Helichrysum cassinianum, *Helipterum* **craspedioides,** Aristida contorta] from an arid region of Western Australia. 037036

HELIX

A *double-helical* **structure** for re-aggregated protein of Narcissus mosaic virus. 038918

Suckling mouse cataract agent is a *helical* **wall-free** prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492

HELMINTHOSPORIUM

Penetration of Zea mays [maize] by *Helminthosporium* **carbonum** [leaf spot]. 038585
Morphology and taxonomy of *Helminthosporium* **catenarium** (Drechslera cateneria). 038033
Biosynthesis of ravenelin from [1-13C]-and [1,2-13C]-acetate *[Helminthosporium,* **fungi**]. 037289
Incidence of *Helminthosporium* **[gramineum]** stripe on barley cultivars in Bihar. 038691
Variation in linear growth and sporulation of single spore isolates of *Helminthosporium* **maydis.** 038738
The fire brigade stops a raging corn epidemic [Blight, *Helminthosporium* **maydis**]. 038832
Appraisal of yield loss in wheat due to foliage diseases caused by Alternaria triticina and *Helminthosporium* **sativum.** 038674
Comparative studies on the physiology of leaf, neck and earhead isolates of *Helminthosporium* **sativum** Pam., King and Bakke parasitic on wheat crop in Karnataka. 038748
Effect of carbon and nitrogen nutrition on the growth and sporulation of *Helminthosporium* **speciferum** [Cotton]. 038650
In vitro evaluation of fungicides against *Helminthosporium* **spiciferum** the causal organism of blight of cotton. 038655
Possible mode of action of phenolics in inducing disease resistance in ragimillet plants against *Helminthosporium* **tetramera.** 038704
Role of auxins in leaf spot incidence in ragimillet incited by *Helminthosporium* **tetramera.** 038712
Role of phenolics in leaf spot disease incidence in ragimillet incited by *Helminthosporium* **tetramera.** 038713

HELMINTHS

Use of Mebendazole in **experimental** *helminth* control of geese. 035274
A survey of the **gastrointestinal** *helminths* of the muskrat, Ondatra zibethicus, collected from two localities in Ohio. 035175

HEMAGGLUTINATION

Purification of Ulex **europeus** *hemagglutinin* I by affinity chromatography. 036759
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and *hemagglutinin* in **horsegram** [digestibility] and moth bean [Twinflower dolichos]. 032407
The **indirect** *hemagglutination* test for the detection of antibodies in cattle naturally infected with mycoplasmas. 035037
The production of *hemagglutinin* of **Japanese** B encephalitis virus in tissue cultures [Veterinary microbiology]. 035016
Studies on the evaluation of the **measles** *haemagglutination-inhibition* test for rinderpest in Gujarat State [Cattle]. 035086
Diagnostic effectiveness of **passive** *hemagglutination* reaction and antibody neutralization reaction in brucellosis. 035234

HEMATOLOGY

Effect of melengestrol acetate on the *hematology* of **buffalo** calves. 033977
In vitro synthesis of lipids in relation to some *hematological* **indexes** in rats. 1. High cellulose, low fat content in feed. 034528
Hematological **studies** on grazing cattle with petechia on the visible nucous membrane [Bracken poisoning]. 035423

HEMATOPOIESIS

Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of *hemopoiesis* [in **rats**]. 034169
Haemopoietic **responses** in chick embryos to administration of steroid hormones: an system for the study in vitro. 034203
Changes in the pyrimidine nucleotide DNA isopliths of the *haemopoietic* **system** of gamma-irradiated animals [Rabbits]. 034167

HEMATOPOTA

A description of the larva and pupa of *Haematopota* **scutellata** rossica Olsufjev et Ivanistshuk (Diptera, Tabanidae). 040046
Discovery of *Haematopota* **scutellata** Ols. M. Et Chv. (Diptera, Tabanidae) in the middle European part of the USSR and the description of a new subspecies. 040050

HEME

Drug metabolism and **hepatic** *heme* proteins in the vitamin Edeficient rat. 032179
Heme-linked **protonation** of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, oxygen] complexes of reduced horseradish peroxidases. 037639

HEMICELLULASES

Thermal and hydrogen-ion concentration stability of the enzymic preparation of *hemicellulase* from **Aspergillus** awamori 16-4E [Fungi]. 037232
Comparative properties and action patterns of the *hemicellulases* from the **phytopathogens** Ceratocystis paradoxa and Cephalosporium sacchari. 038817
The rate and products of degradation of xylans by **rumen** *hemicellulases* [Digestibility of feeds by ruminants]. 034214

HEMICELLULOSES

Hemicelluloses **precipitated** from steeping liquor in the viscose process used as additives in papermaking. 035726

HEMIPTERA

On a new species of Proctophantasta [pahangiensis] *(Hemiptera),* **Acanthosomatidae**) from Malaysia. 040025
Observations on Scottish **Aradidae** *(Hemiptera).* 040024
Revision of the genera Paraphlepsius Baker and Pendarus **Ball** *(Rhynchota:* Homoptera: Cicadellidae) [New taxa]. 040114
Eupatorium cannabinum L. (Compositae) as a host plant of Eupteryx aurata (L.) *(Hemiptera,* **Cicadellidae**). 039213
Calligypona reyi (Fieber) *(Hemiptera,* **Delphacidae**) in the Isle of Wight. 040014
Faunistic notes on *Hemiptera* from **Finland.** I. 040131
Scolopostethus pictus (Schilling) *(Hemiptera,* **Lygaeidae**) in Scotland. 040029
Afrosteles, a new genus of South African **Macrostelini** *(Hemiptera:* Cicadellidae). 040098
A second British record of Atractotomus mirificus Woodr. *(Hemiptera,* **Miridae**). 040011
Distribution of lipid in the lamellate endocuticle of Rhodnius **prolixus** *(Hemiptera).* 039825
Incorporation of lipid into the epicuticle of **Rhodnius** *(Hemiptera).* 039826
Osmoregulation in Trichocorixa verticalis interiores **Sailer** *(Hemiptera,* Corixidae)—an inhabitant of Saskatchewan saline lakes, Canada. 039663
Aphis etiolata **Stroyan** *(Hemiptera,* Aphididae) in Berkshire. 040013

HEMLOCKS

Forest residues in *hemlock-spruce* **[Tsuga-Picea]** forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
Root rot and stem decay following commercial thinning in **western** *hemlock* [Tsuga heterophylla] and guidelines for reducing losses. 035471
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on survival of **western** *hemlock* looper [Lambdina fiscellaria lugubrosa]. 039383

HEMOCYTES

Influence of Na+, K+, Mg2+ [sodium. Potassium, magnesuim ions] and cooling on proteosynthesis in *hemocytes* of **Galleria** mellonella. 039684

HEMODYNAMICS

Normal values of body fluid volume, blood constituents, *hemodynamic* **parameters,** osmotic reactivity of the antidiuretic system and the thirst mechanism in unanesthetized dogs. 033714

HEMOGLOBINS

Peptic peptides from the beta polypeptide chain of AII component of **chicken** *hemoglobin.* 034031
Tryptic peptides from the beta polypeptide chain of AII component of **chicken** *hemoglobin.* 034033
Ligand binding properties of **horse** *hemoglobins* containing deutero- and mesoheme. 034042
Effect of stilbestrol dipropionate on *hemoglobin,* **packed** cell volume, plasma protein and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
Plasma *hemoglobin* determination in Beagle dogs. An adaptation of the method of Crosby and Furth. 034098
Studies on relationship between transferrin type and production traits in Japanese beef cattle. III. On genetic distribution of transferrin type and *hemoglobin* **type** in Japanese beef cattle. 034591
Haemoglobin **types** in African cattle. 034084
Correlation of phenotypic variation of milk production and genetic variations of transferrin and *hemoglobin* **types** in Simmenthal cows. 034601

HEMOLYMPHS

The effects of allatectomy on the lipid composition of the fat body and *haemolymph* of **adult** Locusta [migratoria migratorioides]. 039686
Estimation of glucose in the *haemolymph* of the **American** cockroach, Periplaneta americana. 039680
Age-dependent changes in juvenile hormone esterase and general carboxyesterase activity in the *hemolymph* of the **Colorado** potato beetle, Leptinotarsa decemlineata. 039877
Proteins of honeybee (Apis mellifera mellifera L.) *hemolymph.* II. **Foraging** and winter workers. 040198
The proteins of the honeybee (Apis mellifica mellifica L.) *haemolymph.* II. **Foraging** and wintering workers. 040200
Trehalose and glucose levels in the *hemolymph* of **Heliothis** virescens parasitized by Microplitis croceipes or Cardiochiles nigriceps. 039271
Electron microscope studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and *haemolymph* of **Hyalomma** anatolicum excavatum (Koch, 1844). 039517
Proteins of honeybee (Apis mellifera mellifera L.) *hemolymph.* I. **Larva,** pupae and native adults. 040197
The proteins of the honeybee (Apis mellifica mellifica L.) *haemolymph.* I. **Larvae,** nymphs and native adults. 040199
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and *haemolymph* **proteins** from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402
Haemolymph **proteins** in Porcellio laevis Latreille (Porcellionidae, Isooda): the molecular weight. 039683

HEMOLYSINS

Characters of the **staphylococcal** *hemolysin* beta produced by the causative agent of gangrenous mastitis in sheep. 035220

HEMOLYSIS

Bactericidal and *haemolytic* **activity** of complement in bovine colostrum and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). 034986
Origin of antibody-dependent, **lymphoid-cell-independent** *hemolytic* plaques in rabbit spleen cell cultures. 035190

HEMONCHUS

Observations on the development of *Haemonchus* **contortus** in young sheep given a single infection [an intestinal nematode]. 035182

HEMP

Efficiency of fertilizers in *hemp* **crops** for yarn. 041052
Pulp for *hemp* **paper:** mechanical pulp and mechano-chemical pulp [Analysis, properties]. 033197
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, Tortricidae) populations in Hungary **[Pest** of *hemp].* 039249
On the problem of *hemp* **seed** storage. 033302
The sowing rates of *hemp* **seeds.** 038076
The effect of inorganic fertilizers on the intensity of **transpiration** in *hemp.* 037343

HENBANE

Role of the generative cell in androgenesis in *henbane* **[Anthers,** uninucleate pollen grains]. 036355

HENS *see* **CHICKENS**

HEPATIC

Disc electrophoretic analysis of cellular components derived from Fusobacterium necrophorum **[Bovine** *hepatic* abscesses]. 035014
The effects of various dietary levels of menadione and iron on *hepatic* **catalase** activity in rats maintained on a vitamin E deficient diet. 032320
Redox state of the *hepatic* **cells** in rats receiving a diet containing 1,2-propanediol. 032497
Hepatic **drug** metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
The influence of polychlorinated biphenyl compounds on *hepatic* **function** in the rat. 035408
Glucagon stimulation of *hepatic* **gluconeogenesis** in neonatal pigs. 034151
Drug metabolism and *hepatic* **heme** proteins in the vitamin Edeficient rat. 032179
Different regulation of *hepatic* **ketogenesis** during starvation in rats and pigeons. 033985
Influence of dietary fat source on *hepatic* **lipogenesis** in the fasted-refed chick (Gallus domesticus). 033869
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to *hepatic* **protein** and lipids in vitro and in vivo [in mice]. 035391

HEPATICAE

Studies on **Jungermannioideae** *(Hepaticae).* 8. Jungermannia subgenus Plectocolea and subgenus Solenostoma in Australia, New Zealand and Oceania [New Taxa]. 036015
Cryptogamae exsiccatae, an annotated bibliography of Exsiccatae of Algae, LIchenes, *Hepaticae,* and **Musci.** V. Unpublished exsiccatae. I. Collectors. 035925
Adelanthus decipiens (Hook.) Mitt. *[Hepaticae],* a **new** species for the Spanish flora. 035934
New sesquiterpene lactone and aldehyde of Frullania tamarisci subsp. **obscura** *(Hepaticae).* 037294
A species of *Hepaticae,* **Southbya** nigrella (De Not.) Spruce, new for the USSR. 035973

HEPATITIS

Incidence of **inclusion** *hepatitis* of broilers in four localities of the Western Bohemia Region [Chickens]. 035263
The efficacy of Candivac SHL against distemper, canine **viral** *hepatitis,* leptospirosis, and rabies tested in dogs. 035140
Lesions by *hepatitis-B* **[virus]** antigen-containing sera in tobacco plants (Nicotiana tabaccum variety Xanthi). 038906

HEPATOCYTES

Glucose production and its hormonal control in isolated **chicken** *hepatocytes.* 034202

The preparation and assessment of the physiological competence of isolated **chicken** *hepatocytes.* 034213

HEPATOMAS
Electron spin resonance spectra of **chicken** *hepatoma* and liver tissue. 033702

HERBACEOUS
Evaluation of high-moisture forrages with ruminants. II. Changes in the chemical composition of *herbage* after **freezing** and thawing. 033561
Role of allelopathy as expressed by dominating trees in a lowland forest in controlling the productivity and pattern of *herbaceous* **growth.** 037888
Herbage **legumes** in Northern Ireland [Culture]. 037974
Accumulation of **Vinca** *herbacea* alkaloids according to the vegetation phases. 037267

HERBARIUMS
The *herbarium* of the **All-Union** Scientific Research Institute of Medicinal Plants. 035915
The Benjamin D. Gilbert **Fern** *Herbarium* [Pteridophyta]. 035907
Herbariums of Upper **Normandy.** 035931

HERBICIDES
Cytogenetic characterization of some *herbicides* **applied** to maize. 039170
Creation of relatively stable shrublands with *herbicides:* **arresting** "succession" on rights-of-way and pastureland. 039112
Using the **associated** *herbicides* based on atrazine and butylate in irrigated and non-irrigated maize crops. 039161
Efficiency of *herbicides* **based** on 2,4-D and MCPA associated with dicamba in wheat growing [dichlorophenoxyacetic acid and (4-chloro-o-toloxy) acetic acid]. 039158
The effect of **certain** *herbicides* used in a maize-field on the nitrogen circulation of the soil. 039092
Influence of spray fertilization combined with various *herbicides* on the **chemical** composition and technological features of wheat. 039091
Hydrolysis of a **chloro-s-triazine** *herbicide* [Degradation]. 039559
Influence of some *herbicides* on the **content** and composition of nitrogen fractions in grain of several wheat varieties; report. 039149
Weeds in pastures [**Control,** *herbicides].* 039096
Susceptibility of some soft and hard wheat varieties to *herbicides* used for **control** of [weedy] grasses. 039097
Dinitroaniline *herbicides* in soils [Residues]. 039140
Yield and protein content of wheat varieties (Kalyansona and NI-5642) as influenced by sublethal **doses** of *herbicides.* 039169
Weed control and phytotoxicity of *herbicides* in **Dutch** Iris; progress report. 039123
Aspect of *herbicidal* **effects** on the ectosymbiotic microorganism of the forest plants. 039115
Herbicides and fauna. III. Effects of *herbicides* on the **embryonal** and post embryonal development of Bufo vulgaris L. and enzymatic modifications in the larvae [Toxicity]. 039525
Chaparral shrub control as influenced by grazing, *herbicides* and **fire.** 038003
Studies on the compatibility of foliar application of urea with *weedicide,* **fungicide** and insecticide in upland rice. 040909
Microbial degradation of plant protection chemicals [Pesticides, *herbicides,* **fungicides].** 039549
Use of *weedicides* for **increasing** agricultural production. 039116
Herbicides on **kenaf** plantings. 039143
The dynamics of the content of atrazine in washing waters as related to the levels of the *herbicide* and of the **mineral** fertilizers with lime applied previously [Maize]. 039524
Broad-spectrum and **narrow-spectrum** *herbicides*—a need for both. 039133
New *herbicide* for cotton, corn. 039093
What to do if a *herbicide* **overstays** its welcome [Residues]. 039162
Using **phenoxy** *herbicides* effectively. 039117
Phenoxy *herbicide* residues in cowberries and mushrooms [Conifers]. 039142
Hydrolyzable and nonhydrolyzable 3,4-dichloroaniline-humus complexes and their respective rates of biodegradation [**Phenylamide** *herbicides,* residues in soils]. 039560
Gas chromatographic-mass spectrometric identification of **phenylurea** *herbicides* after N-methylation [food chemistry]. 039138
The colorimetric method of determining the *herbicide* **picloram** [residues] in the soil. 039523
Bioassays in weed research *[Herbicides,* **pollution].** 039189
Weed control and effect of four **preemergence** *herbicides* in transplanted Shasta daisy [Chrysanthemum maximum]; progress report. 039122
Reaction of soil microflora [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with **propanide** *[Herbicides].* 040687
Limitations in the use of *herbicides*—the **protection** of wild flora and fauna [Netherlands]. 039191
Effect of *herbicides* on the **quality** of whiteheaded cabbage. 039188
Metabolism of 3-amino-1,2,4-triazole *[herbicides]* in **rats.** 039100
Growth of turfgrasses as affected by soil phosphorus and arsenic *[Herbicide* **residues].** 037822
Analysis of paraquat formulations by liquid chromatography *[herbicide* **residues].** 039570
Herbicides on **rice** [Aircraft application]. 039094
Efficiency of some **Romanian** *herbicides* applied in the maizecultivation. 039159
Controlling common Burmudagrass [Cynodon dactylon, around nursery beds] with hand-applied applications of [the *herbicide]* **Roundup.** 039174
Effects of [the *herbicide]* **Roundup** on woody landscape plants [in controlling Cynodon dactylon]. 039176
2,4-D [(2,4-dichlorophenoxy) acetic acid] and its **safe** use *[Herbicides].* 039167
Effect of some *herbicides* on the **scopolamin** content of individual thornapple [Datura] plant parts. 039111
Methods of evaluation of durability of **soil-applied** *herbicides* by a biological test. 039155
Weed control in a fruit tree nursery with *herbicide-impregnated* **string.** 039130
Experiments on the effect of hormone weedkillers *[herbicides]* on **sugarbeet.** 039137
Weed control in containers [with the *herbicides]* **Tolban,** Ronstar and Devrinol [Woody ornamentals]. 039177
Use of *herbicides* for **tomatoes** and paprika. 039135
Growth and yield of cultivated plants treated with *herbicides.* 3. **Treatment** eith 2,3,6-trichlorobenzoic acid (TBA). 039183
Purple nutsedge [Cyperus rotundus] control and tolerance ofturfgrasses to *herbicide* **treatments.** 039172
Detection of **triazine** *herbicides* and their degradation products in tile-drain water from fields under intensive corn (maize) production. 039558
The analysis of paraquat *[herbicide]* in **urine** by high-speed liquid chromatography. 039571
Soil tillage and the application of *herbicides* to **vineyards.** 041210
Plant management in aquatic systems *[Herbicides,* **water** pollution]. 039193
Herbicides for **weed** control during establishment of warm season turfgrasses. 039171
Necessity for proper timing of applications of 2,4-D [(2,4dichlorophenoxy) acetic acid, *herbicide]* to **winter** wheat. 039113
Secondary effects of the *herbicides* W 6658, **Wonuk** and Azaplant Kombi on apple trees. 039099

HERBS
Viability and transplantability of developed tumour cell treated in vitro with antitumour agent C/M2 isolated from a *herbal* **cancer** remedy-of Annona senegalensis. 037199
Phenological variations and seasonal rhythmics of some **forage** *herbs.* 037554
Studies on the Misaki horse. III. Nutrient composition of **main** *herbs* and scrubs, and estimates of their nutrient intake. 034349

HERDS
Fertility and fertility problems in some **beef** *herds* in Sweden. 034764
Fall calving valuable for Ohio **beef** *herds.* 034769
Chlamydiosis in a **beef** *herd.* 035126
Factors influencing weaning performance in Florida BCIA [Beef Cattle Improvement Association] *herds* **[Breeds].** 034593
Dynamics of social hierarchy in a dairy **[cattle]** *herd.* 034240
Number of sucklings and grazing time of calves in nursing **cow** *herds.* 034295
Year round grazing with a beef **cow** *herd* [Pasture management]. 038080
Differences in the concentration of certain blood constituents among cows in a **dairy** *herd.* 033994
USDA-DHIA **[Dairy** *Herd* Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. 034580
Is there need for change? Using records other than DHI **[dairy** *herd* improvement] in sire evaluation. 034782
The registry associations outlook for new **[dairy** *herd* improvement] programs. 034784
The effects of copper supplementation on stock health and production. 3. The effect of parenteral copper on the milk yield characteristics of a **dairy** *herd* with hypocuprosis. 035365
Buildings for a **dairy** *herd* at Coolnakilla. 040350
Dairy [cattle] *herd* **improvement** progress report 1975. 033591
The **military** *herd* [Horses, breeds]. 034552
The behaviour of porcine cytomegalovirus in commercial **pig** *herds.* 035114
Reproductive *herd* health program for dairy cattle. 034839
The *herds* have **returned** to the hills [Sheep, capital, costs, returns]. 031422

HEREDITY
Studies on clonal selection of sugarcane at different levels of nitrogen fertilization **[Breeding,** *heredity].* 036636
Hereditary **changes** in Capsicum annuum L. [Red peppers]. III. Induced by DNA treatment. 036577
A confidence interval for the *heritability* **coefficient** of continuous characters [in the genetic analysis of plant populations]. 036662
Studies on clonal selection of sugarcane with weed **competition** *[Heredity].* 036635
The [John Henry] **Comstock** *heritage* [Entomologists]. 039787
On veterinary genetics *[Hereditary* **diseases].** 034630
Heredity of **economically** important properties in milch-cattle. 034634
Heritability **estimates** of percentage seed protein and available methionine and correlations with yield in dry [kidney] beans. 036430
Hereditary **fetal** deformities and defective calvings of cows. 035376
Heredity and **infectious** diseases of domestic animals [Resistance breeding]. 034564
Hereditary **influence** on zinc requirements of mice. 034455
The *heritability* of **liability** to laying anormal eggs [Poultry]. 034708
Comparative experiments with *hereditary* **monogern** sugar beet strains in 1973 and 1974. 038001
Hereditary polymorphism, *hereditary* **monomorphism,** and their role in the evolution of coloration in Chrysomelidae (Coleoptera). 039959
Hereditary **multiple** exostosis. A comparative genetic evaluation in man and horses. 035347
Study on litter size and litter weight at birth and weaning in middle White Yorkshire **pigs** *[heritability].* 034652
Hereditary **polymorphism,** hereditary monomorphism, and their role in the evolution of coloration in Chrysomelidae (Coleoptera). 039959
Animal behavior and *heredity* (a **review** of literature). 034826
Relationship between nutrition and *heredity* in **swine** and beef cattle. 034447
Hereditary **transmission** of certain traits and properties relative to reciprocal inter-varietal crosses of grapes. 036533
Heritability of **useful** traits of swine and the effectiveness of breeding on their polyploidy. 034867
Effect of cytoplasm on the *hereditary* **variability** in wheat. 036644
Heritability and **variability** of characters in intervarietal and interspecific cotton hybrids under different irrigation conditions. 036678
Lethal trait A46 *(hereditary* **zinc** deficiency) in Dutch Friesian cattle, a deficiency of cellular immunity? 035302

HERITAGE *see* HEREDITY

HERMETIC
Alfalfa silages in **butyl** *hermetic* cells lost by flow of juice and gas emission. 033508

HERNIA
Repair of gastric tympany and rupture associated with a **diaphragmatic** *hernia* using both an intercostal and paracostal approach. 035303
Hiatal *hernia* in the dog: a case report and review of the literature. 035335
Umbilical *hernia* repair with mersilene mesh [Dogs]. 034918

HERPES
Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from cells infected with **pig** *herpes* virus 1. 035216

HERPESVIRUSES
Enhancement and interference in chickens inoculated with Marek's **disease** *herpesvirus* and oncornaviruses. 035189
Studies on some biological characters of **equine** *herpesviruses.* 035222

HERRING
Formation of malonaldehyde in frozen **Baltic** *herring* and itsinfluence on the changes in proteins. 032920
Value of *herring-/fish* **meal** [Livestock feed]. 033559

HETERAKIS
Quantitative studies on *Heterakis* **gallinarum** infections in the common fowl, Gallus gallus L. 035113

HETEROCHROMATIN
Organisation and evolution of Drosophila **virilis** *heterochromatin.* 039887

HETEROCYCLES
Volatile *heterocyclic* compounds in the reaction of glyoxal with glycine [Food flavor]. 032855

HETEROCYSTS
Photosynthetic electron transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in **isolated** *heterocysts* of Anabaena cylindrica [Algae]. 036820

HETERODERA
Cereal cyst eelworm *[Heterodera* **avenae,** Nematodes]. 038948
The biology of cereal-cyst nematode, *Heterodera* **avenae** in India. I. Effect of moisture and temperature on the survival of cyst contents. 039004
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, *Heterodera* **avenae** Woll. [Oats, barley, wheat, rye]. 039068

HETEROGENEITY
Heterogeneity of **chlorophyll** and activity of Hill's reaction in the presence of aftereffects of cobalt micronutrient fertilizers [Barley chloroplasts]. 037416
The experience of using the *heterogenous* **enzymatic** catalysis in wine and juice production. 033479
Production of **genetic** *heterogeneity* and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. 036688
Investigations into the influence of fiber structure on *heterogenous* **hydrolytic** degradation of cellulose. 035728

HETEROKARYONS
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. III. **Study** of *heterokaryosis.* 036676

HETEROLOGY
Protein synthesis in homologous and *heterologous* **cell-free** systems from chick embryo connective tissues. 033811
Phosphorylation of ribosomal proteins from eukaryotes in homologous and *heterologous* **cell-free** systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
In-vitro fertilization of hamster eggs in different media and the stimulating effect of *heterologous* and **homologous** spermatozoa. 033640
Passive transfer of *heterologous* **immunity** in avian malaria [Chickens, Plasmodium relictum]. 035099

HETEROMETRUS
Effects of venom from the **scorpion** *Heterometrus* fulvipes onsome enzyme systems of sheep brain. 035448

HETEROPEZA
Positional effects of the polar plasm on the karyotype differentiation in *Heteropeza* **pygmaea** (Cedidomyiidae, Diptera). 039911

HETEROPTERA
On the genus **Aphelochirus** *(Heteroptera,* Naucoridae) of tropical Africa [New taxa]. 040133
A new species of the genus microplax [fasciata] *(Heteroptera,* **Lygaeidae)** from the Caucasus. 040047
Revision of Scirtetellus Reut. *(Heteroptera,* **Miridae)** [New taxa]. 040058
Redescription of Ptenidiophyes mirabilis **Reuter** *(Heteroptera:* Schizopteridae). 040152
Arctocorisa (Monticorixa subgen. N.) armeniaca sp. N. From **Transcaucasia** *(Heteroptera,* Corixidae) [New taxa]. 039978

HETEROSIS
Heterosis and combining **ability** in a spring wheat diallel cross. I. Grain yield and its components. 036378
Heterosis and combining **ability** in a spring wheat diallel cross. 2. Some agronomic characters. 036379
Heterosis and combining **ability** in a spring wheat diallel cross. 3. Fertility restoration and seed set on male-sterile wheat. 036380
Heterosis and combining **ability** estimates for air pollution damage, primarily ozone, in Maryland tobacco. 038972
Genetic mechanisms and the evolution of *heterosis* **[Animals,** plants, insects]. 034818
Production of genetic heterogeneity and some aspects of *heterosis* **breeding** in cross-pollinating and self-pollinating plants. III. Seed reproduction methods and genetic balance. 036688
Development of **buckwheat** *heterosis* hybrids of the basis of periodic selection. 036643
Increases in yields with *heterosis* **crossings** of Vitis vinifera L. [Grapes]. 036588
A study on the number of ovules per fruit set in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding parent **cultivars** *[Heterosis].* 036472
Preweaning **maternal** *heterosis* of backcross and three-breed cross beef dams [Cattle]. 034732
Heterosis in the **mung** bean (Vigna radiata (L.) Wilczek). 036702
Physicochemicl mechanisms of inbred depression and *heterosis* **[Plants,** animals]. 034822
Method of calculation and evalution of *heterosis* in **plants.** 036649

HETEROTERMES
Influence of Basidiomycetes [Fungi] on the development of neotenics in *Heterotermes* **indicola** (Isoptera). 039869

HETEROTROPHY
Ultrastructural peculiarities of cells and plastids during change from tissue **culture** *heterotrophic* nutrition to autotrophic one. 036288

HETEROZYGOTES
Survival of Ms/—males in two lines of mice selected for a different expression of the gene mosaic (Ms) in *heterozygous* **females.** 034620
Chromosome associations at pachytene in the **interchange** *heterozygotes* of Sorghum bicolor. 036405

HEVEA
Effects of potassium fertilization on *Hevea* **grown** on tertiary sandy soils in the savannah of the lower Ivory Coast. 040956
Evolution of mineral nutrition of *Hevea* in the **Ivory** Coast in function of vegetative cycle according to foliar diagnosis. 040957
The influence of nutrition on the chemical properties of some tropical plantation crop products *[Hevea,* **oilpalm,** cocoa, fertilization]. 040974
Progression in fertilizer use, particularly of potash fertilization in relation with **productivity** of *Hevea.* 040966

HEXACHLORIDE
Changes in the composition of an agrocenose as assessed twenty-two years after treatment with excessive amounts of Verindal F (Streumittel) **[Benzene** *hexachloride].* 039535

HEXAPLOIDS
Cytogenetic research on *hexaploid* **alfalfa,** Medicago sativa L. 036414
Chromosome pairing in triploid F1 and *hexaploid* F1, F2, and F3 **generation** of Gossypium hirsutum L. X Gossypium sturtianum Willis [Cotton]. 036424
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, tetraploid and *hexaploid* **species** of Triticum and Aegilops. 037404

HEXOSAMINE
Distribution of **protein-bound** *hexosamine* in chloroplasts [of spinach, snflower and maize]. 037201

HIBERNATION
The *hibernation* **features** of some imperfect fungi in Armenia. 036832

HIBISCUS
The influence of date of sowing on the incidence of tip-rot [Phoma] and fibre yield of mesta *[Hibiscus* **cannabinus].** 038665
Applications for roselle *[Hibiscus* **sabdariffa]** as a [natural] red food colorant. 032808

HIDES
Effect of various proteinase preparations on the collagen of the calf dermis [Depilation of **raw** *hides].* 033042
Tannin-extract production from local materials: their utilization for **tanning** *hides* and skins. 033080

HIERACIUM
Ontogeny of phloem transfer cells in *Hieracium* **floribundum.** 036293

HIERARCHY
Dynamics of **social** *hierarchy* in a dairy [cattle] herd. 034240
On the economic structure of **strictly** *hierarchical* central place systems [Rural-urban relations]. 031034

HIGHLANDS
New butterfly records for Springsure, **Central** *Highlands,* Queensland. 039986
Beekeeping in the Papua New **Guinea** *highlands.* 040227
Plant species rare and new for the **Kolyma** *highland.* 035982
Spatial variation of the snow cover height and the depth of freezing of Grey forest soils under conditions of **Pridesnyanskaya** *highland.* 040745

HIGHWAYS
Lead from motor-vehicle exhausts in sweet-corn plants and soils along a *highway* in **Hawke's** Bay, New Zealand. 039041

HILLS
Service life of treated and untreated **Black** *Hills* ponderosa pine fenceposts: a progress report. 035890
Notes on breeding aberrations of the **Chalk** *Hill* Blue: Lysandra coridon (Poda). 039721
Proceedings of the 1974 Technical Session on Cane Sugar Refining Research, **Cherry** *Hill,* New Jersey, October 20-22, 1974. 033182
Comparison of different *hill-plot* **designs** for evaluating quantitative response to oat crown rust [Puccinia coronata]. 038595
A survey of haematophagous arthropods in western Himalayas, Sikkim and *hill* **districts** of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. 039462
A brief assessment of the regeneration systems for *hill* **forests** in peninsular Malaysia. 035673
Modification of a self-propelled plot combine for **harvesting** *hill* plots of soybeans. 040462
Research at Coolnakilla is important for one million acres of *hill* **land** [Soil reclamation]. 041149
Distribution of reservoir sediment—Iowa and Missouri deep **loess** *hills.* 041370
Apples add up on **protected** *hillside* [Culture]. 038482
Heterogeneity of chlorophyll and activity of *Hill's* **reaction** in the presence of aftereffects of cobalt micronutrient fertilizers [Barley chloroplasts]. 037416
Hill **reaction** and delayed fluorescence in mutants of Gossypium hirsutum [Cotton]. 037442
Potentiometric investigation of kinetics of the *Hill* **reaction** as a function of ferricyanide concentration [Maize]. 037586
The saga of women in the *hills* **[Rural** sociology]. 031083
The herds have returned to the *hills* **[Sheep,** capital, costs, returns]. 031422
The vegetation and chemical properties of patterned fens in the **Swan** *Hills,* north central Alberta. 036186
Effect of planting and harvest dates, location in the *hill* and **tuber** size on sugar content of Kennebec potatoes [in North Dakota]. 038255
Whatawhata *Hill* Country Research Station: its function, organization and current research programme [Agriculture]. 031113

HIPPEASTRUM
Phytochemical investigation of *Hippeastrum* **vittatum** growingin Egypt. II. Isolation and identification of new alkaloids. 037195

HIPPELATES
Attractants for synanthropic flies: Identification of attractants and coattractants for *Hippelates* **[collusor]** eye gnats (Diptera: Chloropidae). 039467

HIPPOBOSCIDAE
Records of phoretic attachment of Mallophaga (Insecta: Phthiraptera) on **insects** other than *Hippoboscidae.* 040109

HIPPOCASTANUM
A scanning electron microscope study of the structures of normal, tension and morphactin IT 3456 induced wood in **Aesculus** *hippocastanum.* 035703

HISTAMINE
Studies on *histamine* **concentrations** in milk and blood in health and clinical mastitis in buffaloes and cows. 033966
Thin-layer chromatographic assays of *histamine* and its **metabolites** in urine of man and dog. 034049
Histamine **receptors** in the cat mesenteric circulation. 033893
Oxidative deamination of biogenic amines by intestinal amine oxidases: *histamine* is **specifically** inactivated by diamine oxidase [Dogs]. 033921

HISTERIDAE
Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, *Histeridae)*—**exterminators** of Tomicus piniperda L. [Natural control, pests, Coniferae]. 039408
Descriptions of three **new** *Histeridae* (Coleoptera) from the tropics [Hypocacculus (Nessus) asiaticus, Hypobletus togoensis, Epitoxasia onthophila]. 039993

HISTIDINE
Histidine: an **essential** amino acid for normal adults. 032421
Evidence for an **essential** *histidine* residue in rabbit liver aryl sulfatase A. 033761

HISTOCHEMISTRY
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. Morphological, *histochemical* and **autohistoradiographic** study of the embryo. 2. Organized embryo. 036274
Histochemical and **biometrical** comparison of the peroneus longus muscle and its innervation in Gallus gallus and Coturnix coturnix japonica [Chickens, quail]. 033699
Histochemical **differentiation** of the microfilariae of Brugia pahangi and sub-periodic Brugia malayi [Cats, dogs]. 034995
The effects of ductal ligation on the parenchyma of salivary glands of cat studied by **enzyme** *histochemical* methods. 033918
Postnatal study on the *histochemistry* of **epididymis** in buffalo (Bubalus bubalis). 033700
Histochemical **investigation** of acid phosphatases in aleurone cells of barley. 037374
Influence of intermittent long-term stimulation on contractile, *histochemical* and **metabolic** properties of fibre populations in fast and slow rabbit muscles. 034130
Histological and *histochemical* **studies** of the resistance of plants to diseases (review). 039058
Histochemical **study** of the hyphae and the distribution of adenosine triphosphatase in Dendryphiella salina [Fungi]. 037317

HISTOGENESIS
Histogenesis of **aminergic** nerve cells in the chick's diencephalon, Gallus gallus. 033756

HISTOLOGY
Histology of **animal** tissues [in feeds]. 033563
Histological **aspects** of the effects of vinblastine on the morphogenesis of the foot of the chick embryo. 034052
Brown sapwood stain of ponderosa pine [Pinus] caused by Cytospora sp.: cultural and *histological* **aspects.** 038764
Histological and **cytological** study of the tergal gland of Leucophaea maderea and its evolution during the sexual maturation of the male. 039625
Ageing and *histological* **degeneration** of females of spider mites (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
The comparative effects of vitamin D deficiency and ethane1-hydroxy-1,1-diphosphonate administration on the *histology* and **glycolysis** of chick epipiphyseal and articular. 033844
Histological and **histochemical** studies of the resistance of plants to diseases (review). 039058
Anatomy and *histology* of the **nervous** system of Ephemera vulgata L (Ephemeropera). 039711
Infection and **pathological** *histology* of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
A contribution to *histological* **picture** of avian encephalomyelitis in central Slovakia. 035258
Effects of gibberellic acid on DNA synthesis and *histology* in the **shoot** apex of Helianthus annuus [sunflowers] during the transition to flowering. 037383
Skin *histologic* study of native and Indian buffaloes and their Bulgarian crosses. II. Sudoriparous and sebaceous glands. 034245
Electrophysiological and *histological* **study** of the splanchnic nerve fibers [Cats]. 033771

Anatomical and *histological* **study** of the cabbage root fly Hylemya brassicae rectum on the occurrence of a pheromone gland. 039871
Histological **uterus** examination of gilts for possibilities of earlier puberty and induction of onset. 034749
Results obtained from *histological* **uterus** examination of young sows after heat synchronization, heat stimulation and synchronization of ovulation. 034751

HISTONES
Characterization of the *histones* of **beef** pancreas. 033818
The *histones* of **Euglena** gracilis [Algae]. 037315

HISTOPATHOLOGY
Histopathological **effect** of thiourea on the ovarian tissues of Sarcophaga ruficornis (Fabr.). 039740
The *histopathology* of **experimental** disease produced in mice infected with Trypanosoma vivax. 034956
Histopathology of **fennel** [Foeniculum vulgare] infected by Ramularia foeniculi. 038653
Histopathology of **mango** die-back caused by Botryodiplodia theobromae. 038654
Parasitic granulomas in reindeer. A *histopathological,* **parasitological** and bacteriological study. 035173
A *histopathological* **study** on necrotic arachnidism by Loxosceles laeta [Venom]. 039646

HISTORY
History of **agricultural** production enterprises [in Slovakia, 1949-1974]. 031019
Experiment or starve: the early settlers **[Agricultural** *history].* 031137
Jefferson, Washington and other farmers **[Agricultural** *history].* 031138
Mexico in 1975: past and present of its **agriculture** *[History].* 031016
Green Revolution *[History* of **agriculture].** 031078
History of **apiculture** in Georgia [USSR]. 040271
Primary and secondary [land] settlement forms in the Lower Geest of the Hannover Wend **area** *[History].* 031181
The matter of radial land settlement in the Hannover Wend **area** *[History].* 031188
We are because of them. IX. [Apiculturists, **beekeeping** *history,* Europe]. 040206
Contribution to the *history* of the can making and **canning** industry. 032838
A Southwestern mixed conifer plantation—**case** *history* and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. 035692
Target specific pesticides: an industrial **case** *history.* 039548
Sediment problems in the Mohave Valley—a **case** *history* [Colorado River Management]. 041382
The Great Depression: farm ills hit the **cities** *[History].* 031142
The rise of maize as a major crop plant in the Philippines **[Culture,** *history].* 038050
On the *history* of the **dark** coniferous forests of Georgia [Paleobotany, USSR]. 036142
History of **development** of field forms in the old land settlements of South Germany. 031178
Peasants in the Bavarian Provincial **Diet** (1819-1970) *[History].* 031054
Standard of excellence set by early [Alabama Agricultural Experiment] Station **directors** *[History].* 031046
Russo-United States botanical exchange in 1841; some material **evidence** *[History].* 035917
Pasteur and the *history* of **fermentation.** 032879
Nutrition research and education in the age of **Franklin** *[History].* 032355
Elongated strip field and previllage, a contribution to the land settlement geography of western **Germany** *[History].* 031174
The question of radial land settlement in western East **Germany** *[History].* 031190
The hopper house of Hamburg **[Grasshoppers,** *history].* 039810
Famines of *history* and of today. 032549
History of **honey** [Apiculture, production, as a commodity]. 040233
Swiss colonists in East Prussia from 1710 to 1730 as an example of colonizing peasants *[History,* **land** colonization]. 031057
Regular elongated strip fields and Frankish colonization: an investigation of their relations in the western areas of the Upper Rhine and in other German districts **[Land,** *history].* 031185
We have stopped at 1927 with our civic customs [Land reform, **legislation,** *history].* 031154
Lincoln and the liberation of the man on the land **[Legislative** *history].* 031931
Phenetic implications of structural features of the perennating phase in the **life** *history* of Porphyra and Bangia (Bangiophyceae, Rhodophyta) [Algae]. 036340
The **life** *history* and ecology of the snow alga Chloromonas pichinchae (Chlorophyta, Volvocales). 037155
The rhodesgrass scale [Antonina graminis] in Israel. 1. **Life** *history,* distribution, host plants and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. 039281
Life *history* of Precis hedonia zelima (Fabricius) (Lepidoptera: Nymphalidae). 039628
Life *history* and behavior of a corduliid dragonfly, Cordulia aenea amurensis Selys. II. Reproductive period with special reference to territoriality. 039850
Life *history* and ecology of Criocephalus rusticus (L.) (Cerambycidae, Coleoptera). 039870
The **life** *history* of a hitherto unrecognised Lycaenid species: Theclinesthes albocincta (Waterhouse) from South Australia [New taxa]. 039987
Two new katydids of the genus Melanonotus [tico, Melanonotus powellorum] from Costa Rica with comments on their **life** *history* strategies (Tettigoniidae: Pseudophyllinae). 040045
Development of the furlong field as reflecting events of cultivated areas [Land settlement, *history,* **Lower** Franconia]. 031172
The *history* of the **National** Educational and Research Institute [for Viticulture and Horticulture]. 038373
The **natural** *history* of anisakiasis in animals [Fishes]. 035124
The **natural** *history* of Namoluk Atoll, eastern Caroline Islands, with identifications of vascular flora. 035963
The **natural** *history* of the Hardangerfjord. 12. The late summer water exchange in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an offshore population into the fjord in June, 1956. 037255
A revision of the spider genus Loxosceles Heinecken & Lowe, 1835 (Araneae: Scytodidae) in southern Africa with notes on the **natural** *history* and morphology. 040096
Studies on the **natural** *history* of Central American butterflies in the family cluster Satyridae-Brassolidae-Morphidae (Lepidoptera: Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. 040147
A guide to **natural** *history* field localities in Jamaica. 041665
The *history* and use of **nitrate** and nitrite in the curing of meat. [Food flavoring]. 033078
The "Eschkern" theory and the problem of Germanic—German cultivated area continuity [Land settlement, *history,* **northwestern** Germany, Netherlands]. 031187
Notes on the *history* of **nutrition:** Harold Hanson Mitchell (1886-1966)—in retrospect [Nutritionists]. 032354
The *history* of all **organisms** is inscribed in the chromosomes [Wheat]. 036580
The "Book of Simples" by Giuseppe da Spello [Drug **plants,** *history].* 035908
Dispersion and *history* of a **population** of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae) [Geographical distributions]. 039988
Dispersion and *history* of a **population** of the meat ant Iridomyrmex purpureus (Hymenoptera: Formicidae). 039989
The *history* of the **rat** inscribed in the chromosomes. 034709
Recent *history* of the improvement of rape [Varieties]. 037945
Northeast Brazil 1700-50: the agricultural crisis **re-examined** *[History].* 031096
Questions on Northwest-German land settlement and field research in the light of East-German **research** *[History].* 031184
On the *history* of **saffron** [Crocus sativus] culture in the Upper Nitra region. 038538
Development of the west German furlong field [Land **settlement,** *history].* 031171
Early medieval roots of the furlong field in southwest Germany [Land **settlement,** *history].* 031173
Elongated strip fields in old northwestern North Germany [Land **settlement,** *history].* 031175
Furlong village and detached village [Land **settlement,** *history].* 031177
Principles and methods of furlong measurement [Land **settlement,** *history].* 031182
The northern strip field [Land **settlement,** *history].* 031189
The Wendish radial village [Land **settlement,** *history].* 031192
The *history* of **sheep** raising on the Trencin estates. 033605
Problem of the formation and age of radial villages in eastern Lower Saxony [Land colonization, *history,* **Slavs].** 031183
Leading peasant classes of Austria-Hungary in the 19th and 20th centuries and their achievements *[History,* **social** and political aspects]. 031050
Leading peasant class in Hesse in the 19th and 20th centuries *[History,* **social** and political aspects]. 031052
Peasant leaders in Tyrol from the 16th to the 18th century *[History,* **social** and political aspects]. 031053
Revolution of continuity—the personnel structure of the peasants of the Third Reich *[History,* **social** and political aspects]. 031055
The peasants in East-Friesian agriculture in the 16th to 18th centuries *[History,* **social** and political aspects]. 031061
The ruling class and the subject class with land interests in the German southwest *[History,* **social** organization]. 031062
Leading peasant classes in Old Bavaria *[History,* **sociology].** 031048
Leading peasant classes in Bavaria in the 19th to 20th centuries *[History,* **sociology].** 031051
The leading ranks of the farmers' associations *[History,* **sociology,** Westphalia]. 031059
The peasant aristocracy of the Kocherberg area in the outgoing Middle Ages and at the beginning of modern times *[History,* **sociology,** France]. 031060
Upper peasant classes in Old Wirtemberg *[History,* **sociology].** 031063
Pinus sylvestris S.L. In the Caucasus, its *history* and **systematics.** 035981
Sugarcane with regard to mythology, *history* and **technique** [Culture, varieties, Brazil]. 037984
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, clustered village and radial settlement *[History,* **USSR].** 031180
Absolute and relative pollen diagrams from northernmost Fennoscandia **[Vegetation** *history,* Betula, Pinus]. 036008
Vegetative *history* of Cinnabar Park in Medicine Bow National Forest, Wyoming [as related to soil characteristics]. 040784
Spread of Alemannic-Frankish [land] settlement and its connection with the spread of furlong **villages** *[History].* 031186
The leaders in the Peasants' **War** *[History].* 031058
Field and land settlement development in old **Westphalia** *[History].* 031176
Bacchus in Apulia [Grape culture, **wine,** *history].* 038233

HIVES
Working with *hives* **[Apiculture].** 040240
Humidity inside the *hive* and **brood** activity by the honeybee (Apis mellifica L.) in a flight room. 040194
Surface electric potentials on worker honeybees [Apis mellifera] leaving and **entering** the *hive.* 040250
A method of separating and monitoring honeybee [Apis mellifera] flight activity at the *hive* **entrance.** 040241

HOEING
Applying of mineral fertilizers during **mechanical** *hoeing* of crops. 040518

HOGS *see* SWINE

HOLES
Who puts the *hole* in **macaroni?** 032676
How does the female locust [Locusta migratoria migratorioides] dig her **oviposition** *hole?* 039836

HOLLY
A new locality for **Braun's** *Holly* Fern [Polystichum braunii purshii] in Minnesota [Pteridophyta]. 035942
Holly **[Ilex** aquifolium]. Can it be cultivated outside its usual area? 038419

HOLOCENE
The algal ridges and coral reefs of St. Croix: their structure and *Holocene* **development.** 036177
Soil relict and **late** *holocene* tectonic movement in the north-Crimean lowland. 040605

HOLSTEIN *see* CATTLE

HOMALIUM
Homalicine & (-)-dihydrohomalicine, two new isocoumarin glucosides from *Homalium* **zeylanicum** Benth. 036985

HOME
Convenience plus versatility match growing consumer interest in *home* **baking.** 032235
Convenience plus versatility match growing consumer interest in *home* **baking.** 032624
Making Cottage **cheese** at *home.* 032964
Saving electricity with household appliances *[Home* **economics].** 032521
Stretching dollars for the umemployed *[Home* **economics].** 032522
The case of the late Mrs. Smith, homemaker: preparing testimony for the court *[Home* **economics].** 032523
The ecology of product design *[Home* **economics].** 032524
Home **food** preparation undergoes big changes. 032509
Drying lumber in the *home* **freezer.** 035780
The freezing behaviour and texture of an "in *home"* **frozen** dessert. 032757
Ants [Formicidae] in the *home* and **garden;** how to control them. 039218
Ants [Formicidae] in the *home* and **garden:** how to control them. 039219
Fertilizer recommendations for the *home* **garden.** 041058
Growing muscadine **grapes** at *home.* 038405
Home **grounds** planning worksheet [Landscaping]. 038431
Energy conservation on the *home* **grounds:** the role of naturalistic landscaping. 041498
A better *home-maker.* 032519
Hospital/nursing *home* casebook number 33030. 032705
Approaches to *home* **landscape** design. 84. Developing doorwaydesigns. 038247
Home **landscape** design. 85. A decade of development. 038250
The second half of your life (planning for retirement) [Nutrition, *home* **management].** 032525
How to make jellies, jams, and **preserves** at *home.* 033384
Lots of better things for *home* **sweet** home [Management]. 032526

HOMEMAKERS
Homemakers' **food** and nutrition knowledge - implications for nutrition education. 032402
Homemakers' **food** and nutrition knowledge, practices, and opinions. 032517
What *homemakers* **know** and do about feeding their families. 032222
Expressed nutrition information needs of **low-income** *homemakers.* 032685

HOMEOSTASIS
The effect of physical stress on the values of the indexes of the **acid-base** *homeostasis* of the blood of pigs. 034227

HOMESTEADS
How **Taiwan** *homestead* farmers make methane [gas] work for them. 040343

HOMING
The control system of *homing* in the **spider** Agelena labyrinthica (Cl.). 039957

HOMOCYSTEINE
Purification and properties of *S-adenosyl-L-homocysteine* **hydrolase** from leaves of spinach beet. 037640

HOMOGENEITY
Osteogenesis with *homogenous* **bone** meal in fracture repair in a Hariana bull calf—a case report. 035418
Using the automatic interaction detection (AID) model to obtain *homogeneous* **classifications** of farmland [real estate] markets. 031149
Homogeneous and **layered** sand in triaxial compression [in natural soils]. 040587
Catabolism of fatty acids by chicken **liver** *homogenates* incubated with margaric, stearic and linoleic acids [Animal nutrition]. 034423
DNA replication in *homogenates* of **Physarum** polycephalum [Fungi]. 037022
The oxytocin-inactivating activity of the rabbit **testes** *homogenates*. 034589
Effect of oxytocin injection on the rabbit **testis** *homogenate* oxytocic activity. 034587

HOMOGENIZATION
Competition between pasteurized and *homogenized* **milk** as indicated by costs, prices and consumption. 031699

HOMOLOGY
Protein synthesis in *homologous* and **heterologous** cell-free systems from chick embryo connective tissues. 033811
Phosphorylation of ribosomal proteins from eukaryotes in *homologous* and **heterologous** cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
Ribonucleotide **sequence** *homology* among avian oncornaviruses. 035136
Ribosomal cistrons in higher plant cells. II. **Sequence** *homology* between the two mature rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895
Vavilov's law of *homologous* **series** [in genetic variability] at the fiftieth anniversary of its formulation. 036484
Correction: mouse spleen cells cultured in *homologous* **serum** can indeed make primary antibodies to sheep erythrocytes. 034175
Correction: Mouse spleen cells cultured in *homologous* **serumcan** indeed make primary antibodies to sheep erythrocytes [Immunity]. 035199
In-vitro fertilization of hamster eggs in different media and the stimulating effect of heterologous and *homologous* **spermatozoa.** 033640
The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. **Structural** *homology* to the pancreatic secretory trypsin inhibitors. 033923

HOMOPTERA
Occurrence of whitefly, Bemisia tabaci Genn., on cotton plants in southern **Anatolia** *(Homoptera:* Aleyrodidae). 039261
Genital abnormalities in adult **Cicadellidae** *(Homoptera).* 039702
Notes on the genera Edwardsiana Zachv. And Pithyotettix Rib. *(Homoptera,* **Cicadellidae)** with descriptions of two new species. 039996
Revision of the genera Paraphlepsius Baker and Pendarus Ball (Rhynchota: *Homoptera:* **Cicadellidae)** [New taxa]. 040114
Review of the cottony grass scales of the genus eriopeltis sign. *(Homoptera,* **Coccoidea,** Coccidae) of the Palaearctic [New taxa]. 040057
Development cycle and life tables of Parlatoria blanchardi Targ. *(Homoptera:* **Diaspididae)** and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. 039333
A new species of Pemphigus [trehernei] **Hartig** *(Homoptera:* Aphidoidea) from Western Europe. 040089
On the life cycle of Pemphigus (Pemphiginus) populi Courchet with a key to British species of Pemphigus **Hartig** *(Homoptera:* Aphidoidea). 040092
A new observation on the association between ants (Hymenoptera: Formicidae) and armoured scale **insects** *(Homoptera:* Diaspididae). 039229
Gyponana (Zerana) secunda, a new species of leafhopper fromPanama and Grand Cayman **Island** *(Homoptera:* Cicadellidae). 040040
A review of the genus Idiocerus **Lewis** *(Homoptera:* Cicadellidae) in the Ethiopian region, with description of eight new species. 040095
The tympanic organ of Cicada orni L. (Cicadina, *Homoptera).* A **light** and electron microscopic investigation. 039954
Notes on the vine mealybug [Planococcus ficus] *(Homoptera:* **nufacture].** 039344
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the Rhodesgrass scale, Antonina graminis (Maskell) *(Homoptera:* **Pseudococcidae).** 039292
New data on the biology of Psylla pyrisuga Forst. *(Homoptera,* **Psylloidea)** from the Crimea. 039716
A bibliography on the pear psylla, Psylla **pyricola** *(Homoptera:* Psyllidae). 039321
Selection within sugarcane populations for resistance to the sugarcane froghopper Mahanarva posticata **Stal** *(Homoptera,* Cercopidae) in Pernambuco. 036402
Revision of the genus Heliococcus **Sulc** *(Homoptera,* Coccoidea) in the Soviet fauna. II. 040073

HOMOROCORYPHUS
The response characteristics of the tympanal organs of two species of bush cricket [Platycleis intermedia, *Homorocoryphus* **nitidulus** vicinus] and some studies of the problem of sound transmission. 039832

HOMOZYGOTES
Homozygous **black** Finnish mink [Genetics]. 034845
Phenotypic description of **double** *homozygotes* for certain sex genes in maize. 036523
Combining ability analysis of *near-homozygous* **lines** derived from a 12-parent diallel cross in oats. 036425

HONEY
Microscopy of *honey* **[Analysis,** adulteration]. 032825
History of *honey* **[Apiculture,** production, as a commodity]. 040233
How bees make *honey* **[Apis** mellifera]. 040234
Chemical treatment and inoculation of hardwood stumps for control of **Armillaria** *mellea.* 038565
Pollination and the *honey* **bee.** 040260
Honey **bee** pollination in Manitoba. 040286
Honey from other **bees** [Composition, properties]. 032824
Influence of cotton genotypes on floral visits of *honey* **bees** [Apis mellifera]. 037390
Disease in queen *[honey]* **bees** and events influencing disease in the family. 040295
Is there a risk with commercial feed [for *honey* **bees?].** 040296
Inspection of honey from the producer at *Honey* **Central.** 031969
Physical **characteristics** of *honey.* 032826
Producing various forms of **comb** *honey.* 032829
Composition of *honey.* 032823
Effect of moving honeybee [Apis mellifera] colonies on their subsequent production and **consumption** of *honey.* 040244
Chloretracycline in the organism of the honeybee *[Honey* **contamination** with antibiotics]. 040269
Producing finely granulated or **creamed** *honey.* 032828
A chemical analysis of sugar and pollen in some types of **Danish** *honey.* 032916
Pollen spectrum of some **Dutch** *honeys.* 032715
Pollen spectrum of some **Dutch** *honeys.* 032716
Electric *honey* extractor. 032876
Wines from the **fermentation** of *honey.* 032832
The **flowers** *honey* comes from [Honey plants, varieties, nectar flow, apiculture]. 038546
Growing *honey-plants.* 038545
Health-giving *honey.* 032845
Rationalization for **high** *honey* yields [Apiculture]. 040307
Honey **house** design. 040257
Variability of floral characteristics **influences** *honey* bee [Apis mellifera] visitation to soybean blossoms [Pollination, floral biology]. 037394
The **language** of *honey.* 032830
Processing and storing **liquid** *honey.* 032827
Handling **manuka** *honey.* I-III. 032884
A sourwood *[honey* **plant]** saga. 038544
Nectar production of the linden tree [Tilia, *honey* **plants].** 037146
Nectariferous flora *[Honey* **plants].** 038539
Nectariferous flora *[Honey* **plants].** 038540
Honey **plants** in the sequence of their blooming periods, with a short statement of the methods of their propagation. 1. 038541
Willows (Salix) and their importance for bees *[Honey* **plants,** culture]. 038542
The flowers honey comes from *[Honey* **plants,** varieties, nectar flow, apiculture]. 038546
Environment and extension of the green cover *[Honey* **plants].** 038558
Environment and extension of green cover [Natural resources, *honey* **plants].** 041672
New ideas in **processing** of *honey.* 032885
Inspection of *honey* from the **producer** at Honey Central. 031969
The beekeeper's part in **producing** *honey* [Apiculture]. 040235
Uses and **products** of *honey.* 032831
Biological **properties** of *honey.* 032822
Honey **quality** control [including adulteration detection]. 032032
Microbiology of **ripening** *honey.* 032721
Honey **standards** legislation [Quality control]. 032033
World **trading** in *honey.* 031646
Sugar and *honey* **types** [Plant physiology and biochemistry]. 036803
The **world** *honey* market. 031542
The **world's** *honey* production [Apiculture]. 040236
Fermentation of *honey* by **yeast.** 032892

HONEYBEES *see* BEES

HONEYDEW
Quality problems of South **American** *honeydew* melons imported into Britain [Contamination]. 032135
Mechanism of *honeydew* **formation** by claviceps species [on grasses, wheat and rye]. 038584

HOPPERS
Effect of chemical agents on the learning behavior of the **grass** *hopper,* (Poecilocera picta. Linn. 039801
The *hopper* **house** of Hamburg [Grasshoppers, history]. 039810

HOPS
Quantitative determination of alpha- and beta-bitter **acids** in *hops.* 036934
Repression of the production of Verticillium [dahliae] polygalacturonase and cellulase by **glucose** *[Hops].* 038710
A new species of Septoria [lupulina] on *hops* **(Humulus** spp.) in Kashmir. 038601
Use of triploid males for **increasing** *hop* yields. 036457
Gas chromatographic procedure for the analysis of **isohumulone** *[Hops].* 032860
Alcoholic beverage processes [Wort, *hops,* **malt,** wine, spirits]. 032817
Control of the distribution of plastic substances in *hop* **plants.** 037262
Effect of the number of *hop* **soots** and way leading up. 037949
Extraction and isomerization of bitter **substances** of *hops.* 032727
Better mushrooms, *hops,* **tabasco,** and even mink [Agricultural research]. 031136

HORDEUM
Comparative serological studies in **barley** *(Hordeum* vulgare L. s l.) [Varieties]. 038014
Partial purification and characterization of the lipoxygenase from grains of *Hordeum* **distichum** [Barley]. 037514

HORIZONTAL
The automatically controlled system for **designing** *horizontal* drainage [of peat bogs and boggy soils]. 041266
Introduction to the study of *horizontal* **patterns** in steppes. II. Statistical treatment of transcets of contiguous quadrats [Artemisia herba-alba]. 036239
Self-cleaning of drinking vessels by feed chains **rotating** *horizontally.* 040328
Horizontal **screen-conveyor** centrifuges on the egg production farms. 040423
A *horizontal* **sediment** bowl with hydroaerodynamical washing [for the control of deposits in irrigation canals]. 041249

HORMONES
Nucleic acid probes and analysis of *hormone* **action** in [chick] oviduct. 033778
On the effect of serum gonadotropin and estrogen on the *hormonal* **activity** of the thyroid and suprarenal glands of cows. 034238
Effect of ACTH **[adrenocorticotropic** *hormone],* alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. 033885
Contaminants present in materials commonly used to purify plant extracts for *hormone* **analysis.** 036960
Action of ADH **[antidiuretic** *hormone],* cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in dog salivary glands. 033929
Glucose production and its *hormonal* **control** in isolated chicken hepatocytes. 034202
The *hormonal* **control** of amaranthin synthesis in Amaranthus caudatus seedlings. 037208
Hormonal **control** of insect epidermal cell commitment in vitro [Tobacco hornworm, Manduca sexta]. 039296
How to avoid *hormone* **damage** in Q80 [Control, weeds]. 039108
Pituitary dwarfism in German Shepherd dogs: studies on somatomedin activity *[Hormonal* **deficiency** diseases]. 035367
The Rhodnius testis: *hormones,* **differentiation** of the germ cells, and duration of the molting cycle. 039667
The Rhodnius testis: *hormonal* **effects** on germ cell division. 039668
Release of FSH **[follicle-stimulating** *hormone]* from the pituitary of the hen following an injection of progesterone. 034095
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, **follicle-stimulating** *hormone]* and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, **follicle-stimulating** *hormone].* 034691
Existence of a **follicle-stimulating** *hormone* inhibiting factor 'inhibin' in bull seminal plasma. 034763
Distribution of **gonadotropic** *hormones* labelled with 125I [iodine isotope] in animal organs and tissues. 034182
Investigations into puberty inducement with prepubescent gilts by means of **gonadotropic** *hormones.* 1. Estrus evolution of puberty induced gilts and fertility results following artificial insemination. 034575

Investigations into puberty inducement with pre-pubescent gilts by means of **gonadotropic** *hormones.* 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
Ways to achieve superposition of lactation and pregnancy by administration of **gonadotropic** *hormones* [Swine]. 034756
Action of **growth** *hormone* in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given protein-deficient diets. 032183
Growth *hormone* and somatomedin activities in lines of pigs selected for rate of gain and thickness of backfat. 033697
Growth *hormone* and somatomedin; a brief review [Swine, chickens]. 034120
In vitro release of gonadotropins from the pituitary of cocks by an analogue of luteinizing **hormone-releasing** *hormone:* [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Hypothalamic *hormones* [isolated from sheep and swine]. 033777
Hormonal **induction** of acid phosphatase activity in salivary glands of larvae of Drosophila melanogaster during metamorphosis. 039694
Laboratory and field trials with two synthetic **juvenile** *hormone* analogues on four aphid species [Pest control]. 039207
Effects of some **juvenile** *hormone* analogues on the last instar larvae of Cephonodes hylas L. (Lepidoptera). 039211
Juvenile *hormone* active principle in Attacus atlas L. [In the control of Ostrinia furnacalis, pest of corn]. 039215
Age-dependent changes in **juvenile** *hormone* esterase and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, Leptinotarsa decemlineata. 039877
Control of various functions by various **juvenile** *hormones* in the cockroach Nauphoeta cinerea. 039908
Formation of genital system in Tenebrio molitor at latent stages of ontogenesis determined by means of the **juvenile** *hormone* analogues. 039968
Sex determination in bees. IV. Genetic control of **juvenile** *hormone* production in Melipona quadrifasciata (Apidae). 040225
A comparative study of preparations of ovine **luteinizing** *hormone* by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and polyacrylamide gel electrophoresis. 033704
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [**luteinizing** *hormone* releasing hormone/follicle stimulating hormone releasing hormone]. 033886
Electrical stimulation of the hypothalamus and **luteinizing** *hormone* secretion in Japanese quail. 034054
In vitro release of gonadotropins from the pituitary of cocks by an analogue of **luteinizing** *hormone-releasing* hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Effects of specific neutralization of **luteinizing** *hormone* and prolactin on ovarian blood flow and progesterone secretion [in ewes]. 034640
The effects of active immunisation against androstenedione on **luteinizing** *hormone* levels in the ewe. 034641
Ovulation rate in ewes treated with pregnant mares' serum gonadotrophin and **luteinizing** *hormone* releasing factor. 034657
Effects of progesterone and synthetic **luteinizing** *hormone* releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). 034669
Plasma **luteinizing** *hormone* and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. 034671
Induction of ovulation in hens by an analogue of LH-RH [**luteinizing** *hormone,* releasing hormone]. 034685
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [**luteinizing** *hormone,* follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [**luteinizing** *hormone,* follicle-stimulating hormone]. 034691
Seasonal variations in the response of the testis and LH [**luteinizing** *hormone]* levels to hemicastration of adult rams. 034693
The LH response of pregnant cows and their calves to synthetic LH-RH [**luteinizing** *hormone,* releasing hormone]. 034698
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [**melanocyte-stimulating** *hormone],* and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. 033885
Pyometra [metritis] in the dog; a pathophysiological investigation. I. The pyometra syndrome [caused by a combination of *hormonal* and **microbial** factors]. 034917
Radioimmunoassay of arthropod **moulting** *hormone:* beta-ecdysone antibodies production and 125I [iodine isotope]-iodinatedtracer preparation. 039743
The function of **moulting** *hormones* during insect development. 039944
The influence of seasonal changes in light on *hormones* in **normal** cats and in cats with lesions of the superior colliculi and pretectum. 034064
The role of catecholamines in stimulating the release of pituitary **ovulating** *hormone(s)* in sheep. 034544
Influence of some *hormones* on the **oxygen** consumption in leucocytes of different cattle races and hybrids. 034617
The role of 1,25-dihydroxyvitamin D3 and **parathyroid** *hormone* in the regulation of chick renal 25-hydroxyvitamin D3-24hydroxylase. 033770
Gonadotropin and subunit conformation [Sheep **pituitary** *hormone].* 033762
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and mast cells, calcium and calcium ionophores [Posterior **pituitary** *hormones].* 033952
Primary, preventive and permissive roles of *hormones* in **plant** systems. 036837
Membrane-bound receptors for **plant** *hormones* [Maize]. 037594
Seed germination and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and **plant-growth** *hormones.* 037347
Hormonal **regulation** of thermogenesis in goslings. Possible role of catecholamines. 033719
Hormonal **regulation** of thermogenesis in goslings. Possible role of the thyroid gland. 033720
Toward a comparative study of the *hormonal* **regulation** of transcription in the nuclei of animal [rats] and plant [pea leaves] tissues. 034195
Hormonal **regulation** of specific gene expression in the chick oviduct. 034583
Hormonal **regulation** of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
Hormonal **regulation** of hypocotyl elongation in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone **releasing** *hormone/follicle* stimulating hormone releasing hormone]. 033886
Effects of progesterone and synthetic luteinizing hormone **releasing** *hormone* on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). 034669
Induction of ovulation in hens by an analogue of LH-RH [luteinizing hormone, **releasing** *hormone].* 034685
The LH response of pregnant cows and their calves to synthetic LH-RH [luteinizing hormone, **releasing** *hormone].* 034698
Effect of GnRH [gonadotropin **releasing** *hormone]* on estrus, ovulation and fertility in the mare. 034723
The embryonic **sex** *hormones* in birds [Chicks, ducks]. 033757
A Ca++ [calcium ions] ionophore A 23 187 **simulating** *hormone* and neurotransmitter action in the rat parotid and pancreas glands. 033947
Variations of the physiological and *hormonal* **state** of cotton bolls and their relations to subsequent release of abscission. 037386
Haemopoietic responses in chick embryos to administration of **steroid** *hormones:* an system for the study in vitro. 034203
The effect of **steroid** *hormones* on sexual behavior in beef heifers. 034737
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone releasing hormone/follicle **stimulating** *hormone* releasing hormone]. 033886
Continuous infusion of follicle **stimulating** *hormone* for follicular growth in embryo transfer heifers. 034722
Content of RNA and sulfhydryl-groups in swine zygotes during natural ovulation and *hormonal* **stimulation.** 034806
Plant tumors [caused by Agrobacterium tumefaciens] resulting from **unregulated** *hormone* synthesis. 038866
Experiments on the effect of *hormone* **weedkillers** [herbicides] on sugarbeet. 039137

HORNBEAM
Study of biomass and caloric value of the soil nematode population in *hornbeam-oak* [**Carpinus,** Quercus] forest in Bab. 040569

HORNWORMS
Hormonal control of insect epidermal cell commitment in vitro [**Tobacco** *hornworm,* Manduca sexta]. 039296

HORSEBEANS
A comparative study of the quiescent center and primary meristematic tissues in the roots of **maize** and *horsebeans.* 036368

HORSEFLIES
On the use of the structure of the male's genitalia for the taxonomy of *horseflies* (**Diptera.** Tabanidae). 040054

HORSEPOWER
Single stage groundwood from a 12,000 hp *[horsepower]* **refiner.** 035857

HORSERADISH
Preliminary observations on the permeability of submandibular glands to *horseradish* **peroxidase** in rabbits. 033941
Retrograde transport of *horseradish* **peroxidase** in afferent and efferent neurons from masseter muscle in the rat. 034115
The effect of the prosthetic group of *horseradish* **peroxidase** on the stability of the enzyme. 036806
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, oxygen] complexes of **reduced** *horseradish* peroxidases. 037639
Horseradish, a **terribly** sharp spice. 033369

HORSES
Characterization of human, bovine, and *horse* **antithrombin** III. 033780
Digestibility and nutritive value of **barley** for *ponies.* 034283
Digestibility and nutritional value of some forages (white clover hay, ryegrass, carrot-roots and wheat **bran)** for *ponies.* 034282
The military herd *[Horses,* **breeds].** 034552
Erythrocyte enzyme activities and glutathione levels of the *horse,* **cat,** dog and man. 033867
Neonatal isoerythrolysis in domestic animals: a comparative review *[Horses,* **cattle,** swine]. 035294
Arteries of the heart of the *horse* and **dog.** 033745
Species differences in erythrocyte glutathione reduction rates after oxidation with t-butyl hydroperoxide [Sheep, goats, **dogs,** *horses].* 033988
Erythropoietin in the urine of *horses* **donors** of immune sera. 034961
The **English** *Thoroughbred* [horse]. 034656
Effect of GnRH [gonadotropin releasing hormone] on estrus, ovulation and **fertility** in the *mare.* 034723
Horse-faced **flies** [Panorpa lugubris]. 040086
Induction of estrus in *mares* after **foal** heat with prostaglandin-F2alpha. 034727
Ligand binding properties of *horse* **hemoglobins** containing deutero- and mesoheme. 034042
Studies on some biological characters of *equine* **herpesviruses.** 035222
Nutritional status of *Thoroughbred* **horses.** 034475
Eimeria leuckarti and Dicrocoelium dendriticum observed in *horses* **imported** to Denmark. 035170
Epidemiological studies on *horses* **infected** with nematodes of the family Trichonematidae (Witenberg, 1925). 035092
Equine **infectious** anemia [Virus]. 034963
Equine **laminitis.** 035332
Serologic evidence of *equine* **leptospirosis** in the northeast United States. 035052
The multiple forms of acid phosphatase from *horse* **leucocytes.** 033839
Horse **liver** aldehyde dehydrogenase: Purification and characterization of two isozymes. 034040
Hereditary multiple exostosis. A comparative genetic evaluation in **man** and *horses.* 035347
Decline of animal power and rearing of solipeds, mechanization of agriculture: For large scale production of **meat** *horses,* creation of meat type breeds. 034610
Studies on the **Misaki** *horse.* III. Nutrient composition of main herbs and scrubs, and estimates of their nutrient intake. 034349
Effect of dimidin on the organisms causing piroplasmosis and **nuttalliosis** in *horses.* 035238
Digestibility of nutrients from alfalfa hay, corn and **oats** by *ponies.* 034467
Dynamics of complement-linked antibodies in Nuttalia [equi]infestation and the freeing of the *horses* from the **pathogen.** 035237
Critical test evaluation of micronized mebendazole against Anoplocephala **perfoliata** in the *horse.* 035159
Genital **physiology** of the *mare.* 034572
Blood genetic markers in two breeds of *ponies* from **Poland.** 034565
Ovulation rate in ewes treated with **pregnant** *mares'* serum gonadotrophin and luteinizing hormone releasing factor. 034657
Induction of parturition in the *mare* with **prostaglandin-F2alpha.** 034728
On the delay of intraventricular conduction in the **race** *horse*—discussion of its pathogenesis and causes. 035300
Effect of water crystallization on spermatozoids during freezing of *[stallion]* **semen.** 034808
Carbohydrate composition of *horse* **spleen** ferritin. 033788
Nutritional status of **Thoroughbred** *horses.* 034475
Supplementing phosphorus to young **Thoroughbred** *horses.* 034478
The English **Thoroughbred** *[horse].* 034656
Supplementing phosphorus to **young** *Thoroughbred* horses. 034478

HORTICULTURE
Young people for agriculture and horticulture. Report of (a) an inquiry of 1,000 agricultural businesses; (b) and inquiry of 1400 students of **agricultural** and *horticultural.* 038406
Results of research in *horticulture* and **apiculture.** 038372
What should one think of **Belgian** *horticulture?* 038430
Integrated control of [insect pests] in *horticulture* in **Canada.** 039354
Bibliographical control of *horticultural* **catalogs.** 038227
Inflation in our industry! **[Costs,** *horticulture].* 031508
There is always the cost price! *[Horticultural* **crops].** 031509
Microenvironmental **design** *[Horticulture].* 038274
New plan for *horticultural* **education** involving practical experience as an important part. 038332
Concrete partitions and **enclosures** *[Horticulture].* 040390
Saving **energy** *[Horticulture].* 031383

Theory and practice of operational goals. Results of analysis of goals of **entrepreneurs** in *horticulture.* 031147
The *horticultural* **experiment** station of Mas Blanc-Alenya (Pyrenees-Orientales). 038289
Evaluation of **Florida** *horticulture* studies. 038249
Saving **fuel.** 8. *[Horticulture].* 031384
The financial position of beginning attempts in **glasshouse** *horticulture.* 031429
The position of industry in regard to **glasshouse** *horticulture* outside the large centers. 031791
Situation and development trend of *horticulture* in **Hungary.** 038284
A method for determining carbon dioxide concentration [of **interest** to *horticulture].* 038302
Outcome of the energy cost explosion in relation to our position in **international** *horticultural* competition. 2. 031923
Possibilities of fertilizing **irrigation** *[Horticulture].* 041024
Experience regarding the organization of pome fruit harvest in **large-scale** *horticulture.* 031286
Packaging *horticultural* products. 031737
Biological and chemical control [of *horticultural* **plant** pests]. 039071
Effects of propagation container size on top and root development of tree seedlings [Cultivation of *horticultural* **plants**]. 038454
An annotated bibliography of the dark-sided cutworm, Euxoa messoria (Harris) *[Horticultural* **plants**]. 039361
Pricing and price **policy** in *horticulture.* 031523
How to calculate cost **price?** *[Horticulture].* 031507
The pensioner—leisure time **problem?** *[Horticulture].* 038421
Newly allowed plant protection products and means for controlling biological **processes** in *horticulture.* 038982
Young people for agriculture and *horticulture.* **Report** of (a) an inquiry of 1,000 agricultural businesses; (b) and inquiry of 1400 students of agricultural and horticultural. 038406
Ethrel as an aid in **rooting** *[Horticulture].* 038248
The school and cultivation **sites** *[Horticulture].* 038460
Trees in botanic garden. 3. The botanic gardens of the Birmingham Botanical and *Horticultural* **Society** [England]. 035909
Studies to specify exactly the soil fatigue test in **soils** used in *horticulture.* 041141
What the 1974 *Horticultural* **Statistics** tell about developmental trends in Norwegian berry culture. 038331
Potential application of program planning in the *horticultural* **trade.** 031552
Plants for fall color *[Horticultural* **varieties].** 038260
Time for thoughts on autumn growing *[Horticultural* **varieties].** 038517
Means of increasing the efficiency of *horticulture* and **viticulture.** 031375
Research on the biology and control of insect pests in *horticulture* and **viticulture.** 037741
Alumni association, a binding link between research, education and practice **[Viticulture,** *horticulture].* 038369
The history of the National Educational and Research Institute [for **Viticulture** and *Horticulture].* 038373
Horticulture and **viticulture**—branches of agriculture with good prospects for the future. 038470

HORTICULTURISTS

Obituaries: Jorge Toll Jubes (1931-1975) *[Horticulturists,* **Argentina].** 038459
Gyula **Meszoly,** 1910-1974 *[Horticulturists].* 038221
Green Revolution—**outlook** of a *horticulturist.* 038374
Hans Spreng, 1901-1975, a pioneer of fruit culture and **utilization** *[Horticulturists].* 038337

HOSE

The operation of pipelines and *hoses* under **high** muddiness of irrigation water. 041273

HOSPITALS

The real estate aspects of an **animal** *hospital.* 034904
Energy and resource conservation needed report of the American Society of *Hospital* **Food** ServiceAdministrators' eighth annual meeting. 032649
Deep fat **frying** & *hospitals.* 032622
Hospital/nursing **home** casebook number 33030. 032705

HOST

Effect of host and *nonhost* **crop** seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684

HOSTS

Fate of tobacco mosaic virus after entering the *host* **cell.** II. Electron microscopy of virus particles recovered from inoculated leaves. 038926
Inhibition of cellular protein synthesis by simultaneous pretreatment of *host* **cells** with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
The development of Taenia pisiformis in various **definitive** *host* species [Dogs, cats, foxes, ferrets]. 035094
A comparison between *host* **density** and inoculum density effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of garden cress seedlings]. 038576
Morphological and biological adaptations of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the *host* **Eulecanium** caraganae Borchs. 039715
Influence of adaptational reactions of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) on its *host* **Eulecanium** caraganae. 039969
Host selection by **insect** parasitoids [Manduca sexta, Telenomus sphingis, Trichogramma minutum, tobacco pests]. 039203
Tetramorium tortosum (Rog), an **intermediate** *host* of poultrytapeworms Raillietina echinobothrida and Raillietina tetragona. 035087
The effects of malnutrition on immunological responses of the *host:* the **key** role of scarce amino acids. 032319
Zinnia elegans Jacq.—the **latent** *host* of watermelon mosaic virus. 038896
Development of *host-mediated* **mutagenicity** tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and peritoneum of rats. 034109
A **new** *host* [Eragrostis tremula] for Ephetis oryzae. 038645
New *hosts* of Cercosporae from India. 038658
New *host* plants of three isometric plant viruses. 038875
Cuscuta reflexa—a **new** *host* for Aphis craccivora [Citrus]. 039327
Effect of *host* and **nonhost** crop seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684
Effect of *host's* **nutrition** [Rabbits] on immune response to amoebic antigen & on susceptibility to infection with Entamoeba histolytica. 035075
Ovipositional *host* plants of 17-year cicadas [Magicicada]. 039242
The ecology and behavior of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a *host* and its **parasites.** 039914
Variability of *host* and **pathogen** in hypoxylon [mammatum] canker of aspen [Populus tremuloides]. 038591
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and *host* and **pathogen** genotype in Phytoppthora [megasperma] root rot of alfalfa. 038768
A study of the *host* selection **patterns** of the mosquitoes of the Kisumu area of Kenya [Vectors of disease to man]. 039511
Eupatorium cannabinum L. (Compositae) as a *host* **plant** of Eupteryx aurata (L.) (Hemiptera, Cicadellidae). 039213
Insects [Empoasca devastans, Empoasca kerri motti] and **plant** *hosts* [Castor, cotton]. 039255
Effects of *host* **plant** and soil type on the life cycle of Sitona lividipes Fhs. [Pest of clover, alfalfa]. 039308
Effect of the *host* **plant** [kidney bean] nutrition on the population of the two spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
Effect of some *host* **plants** on development and reproduction of Spodoptera littoralis (Boisd.) (Lepidoptera, Noctuidae) [Cotton pests]. 039260
The rhodesgrass scale [Antonina graminis] in Israel. 1. Life history, distribution, *host* **plants** and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. 039281
The effects of different blood-meal sources on digestion and egg production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or *host* **preferences].** 039488
Host **races** of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: Trichodectidae) [New taxa]. 039513
Host **range** of the black cutworm [Agrotis ipsilon] on vegetables: a bibliography. 039322
Studies on **selected** *hosts* of Rotylenchulus reniformis and its pathogenicity to soybean (Glycine max) [Nematodes]. 039045
The effects of different blood-meal sources on digestion and egg production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of *host-blood* **sources** or host preferences]. 039488
Energetics of a *host-parasite* **system:** a preliminary report. [Hymenolepis diminuta, rats]. 035091

HOTHOUSES *see* GREENHOUSES

HOUSE

Full air-conditioning of **animal** *houses* some basic aspects. 040376
Comfortable cow **beds** *[Housing].* 033598
The incidence of toxoplasma antibodies among sheep, cattle and pigs slaughtered in a **Belgian** *slaughter-house.* 034993
Flooring for *housing* of **breeding** bulls. 040393
Planning dairy **calf** *housing.* 033636
Cattle *housing:* insulated—not insulated. 03364!
Ranch facilities planning basic construction reasoning **[Chinchillas** *housing].* 040349
Housing **costs** in the mid-seventies [Property taxes]. 031447
Ammonia increases broiler **costs** *[Housing].* 031497
Population structure and dynamics of the *house* **dust** mite Dermatophagoides farinae (Acarina: Pyroglyphidae) in Czechoslovakia. 039455
Dehydration and survival of the **European** *house* dust mite, Dermatophagoides pteronyssinus. 039855
Studies on the use of artificial ultraviolet radiation in **farrowing** *houses* [Swine sanitation]. 034926
Effects of diethylstilbestrol on **feral** *house* mouse (Mus musculus L.) population dynamics under experimental field conditions. 034006
Farm forestry short course, **Flock** *House,* February 1975. 035469
Pyrethroid contact sprays against the *house* **fly** (Musca domestica L.). 039484
Timber **frame** *housing.* 035886
5000 years production of vegetables, flowers, and plants for *house* and **garden** for a value of 550 million kroner. 031295
5000 years work; producing vegetables, flowers, and plants for *house* and **garden** for a value of 550 million kroner [Agricultural administration]. 031296
Effect of polyethylene and aluminium foil mulches at three plant populations on yields of **glass** *house* tomatoes. 038508
The microflora of the **hen** *house* and its influence on the health and performance of poultry. 034901
Honey *house* design. 040257
The **hopper** *house* of Hamburg [Grasshoppers, history]. 039810
Technology of *housing* **individual** categories of swine on our industrialized farms. 040391
Contemporary views of the organization of *housing* in **industrial** swine rearing. 033686
Influence of social experience on sexual readiness of **male** *house* crickets, Acheta domestica. 039741
The **modern** *housing* of rabbits. 033610
Moor *House* [Nature Reserve], United Kingdon [Vegetation, soils]. 036197
A survey of the invertebrates of four streams in the **Moor** *House* National Nature Reserve in northern England [Includes insects]. 040083
Sties for baby **pigs** *[Housing].* 033645
Hygienic problems of cooling poultry carcasses during *slaughter-house* **processing.** 032140
Further improvement of the efficiency of distribution and the economic regulation of [the East German] **storage** *houses.* 031685
Pesticide **storage** *houses* ready to serve agrochemical operations [Building designs]. 040372
The use of construction methods for preparing decision making in technological projects **[Swine** *houses].* 040330
Automatic air conditioning in **swine** *houses.* 040377
Several systems of tethering and untethering cattle and their expedient use in cattle-sheds *[Housing* **system].** 040387

HOUSEFLIES

Induction of sterility in **male** *houseflies* [Musca domesticus] by vapors of Acorus calamus L. oil. 039493
Problems of *housefly* **(Musca** domestica) control due to multiresistance to insecticides. 039471
Affinity chromatography of phenoloxidase in the larvae of *housefly* **[Musca** domestica] 039613
Ambient temperature, physical activity and aging in the *housefly,* **Musca** domestica. 039736

HOUSEHOLDS

Saving electricity with *household* **appliances** [Home economics]. 032521
Food spending patterns of Southern **black** *households.* 032221
Heat transfer and freezing capacity of foodstuffs in *household* **freezers.** 032744
Household **textiles** consumption by farm and city families: assortment owned, annual expenditures, and sources. 032515

HOUSEWIVES

High altitude cooking, baking: some **tips** for the *housewife.* 032508

HULLING

Dimensional changes in peanut pods, kernels, and *hulls* as **moisture** is removed during drying. 033165

HUMAN

Application of the *subhuman* **primate** pregnancy test kit to pregnancy diagnosis in baboons [Laboratory animals]. 034711

HUMANE

A *humane* **scientists:** Gian Pietro Ballatore [Agronomists]. 038044

HUMATES

Thick Bh *[humate]* **horizons** in the North Carolina coastal plain. I. Morphology and relation to texture and soil ground water. 040779
Thick Bh *[humate]* **horizons** in the North Carolina Coastal Plain. II. Physical and chemical properties and rates of organic additions from surface sources. 040780
The effect of simultaneous short term action of streptomycin and *humate* on **plants** [Wheat, barley, Crassula portulacea]. 037370
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and **sodium** *humate* as stimulants]. 040811

HUMERUS
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and strontium-yttrium isotope]-labeled **Beagle** *humeri* [Dogs]. 033910

HUMIDIFICATION
Effects of dry air and **subsequent** *humidification* on tracheal mucous velocity in dogs. 034013

HUMIDITY
Automatic average-value signal control of temperature and relative **air** *humidity* in a phytochamber. 037251
Storage of Medicago sativa—results obtained from a test under controlled conditions of temperature and *humidity* [**Alfalfa,** germination]. 037560
A note on the protection of wooden beams exposed to an acidic, *humid* **atmosphere** [Pseudotsuga menziesii, wood]. 035895
Studies of [plant] transpiration in relation to the environment. 6. Simulation of transpiration produced by **change** in *air-humidity.* 037098
Electron-cytochemical study in localization of glucose-6-phosphatase activity of cytoplasm of **Funaria** *hygrometrica* cells. 036365
The loss of the ability for the transfer of cryptobiosis (anabiosis) in poikiloxerophyte moss **Funaria** *hygrometrica.* 036917
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration [**Funaria** *hygrometrica,* musci, Trentepholia umbrina, Pleurococcus vulgaris, algae]. 037281
Preparing and using maize grain silage with **high** *humidity* rate as fodder for fattening cattle. 033573
Humidity **inside** the hive and brood activity by the honeybee (Apis mellifica L.) in a flight room. 040194
Humidity **inside** the beehive and brood activity of the honeybee (Apis mellifera L.) in a flight room. 040195
The effect of wind and *humidity* on **leaf** diffusive resistance in Sitka spruce [Picea sitchensis]. 037917
Studies on lichen-dominated systems. XV. The temperature and *humidity* **profiles** in a Cladina alpestris mat. 036858
The effects of temperature and **relative** *humidity* on the thermoregulatory responses of grouped and isolated neonate chicks. 033995
The relation of rainfall, **relative** *humidity* and temperature to late blight [Phytophthora infestans] of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Factors affecting feeding value of pangola grass (Digitariadecumbens, Stent) in a *humid* **tropical** climate [Goats]. 034291
The change of *humid* **tropical** crusts of weathering in the process of soil formation under conditions of moderate arid climate. 040575
Potassium cycle in the *humid* **tropical** forest. 040645
Balance and dynamics of potassium under forage crops in *humid* **tropical** areas. 040954
Biophysical land classification schemes: a review of their relevance and applicability to agricultural development in the *humid* **tropics.** 031201
Pedogenesis in the *humid* **tropics** and the dynamics of potassium. 040643
Soil mapping in relation to the use of fertilizers in the *humid* **tropics.** 040647
On the soils of arid and *humid* **zones** of the tropical island of Sri Lanka. 040613

HUMOR
Humoral **factors** controlling food intake in dogs. 033709
Influence of *humoral* **factors** from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
Humoral **immunity** [Protein synthesis]. 032286

HUMULUS
A new species of Septoria [lupulina] on **hops** *(Humulus* spp.) in Kashmir. 038601

HUMUS
The influence of *humic* **acids** on phytase activity isolated from wheat seeds. 037371
Pigments and lipids in the *humic* **acids** of some Canadian lake sediments. 040632
The chemical nature of *humic* **acids.** 040635
Seasonal dynamics of *humic* **acids** and various forms of nitrogen in a podzolic soil. 040742
Effect of salinity and solonetzicity on the composition of humus and some properties of *humic* **acids** in Kazakhstan Chernozems. 040822
Electromobility of **aquatic** *humus:* fractionation by the use of the isoelectric focusing technique. 040625
Soil as a system of *humus* and **clay** immobilized enzymes. 040574
Biogeochemistry of *humic* **compounds.** 040620
Contribution of soil microbres to the formation of *humic* **compounds.** 040624
Role of *humus* **formation** and decomposition in the terrestrial nitrogen cycles. 040634
Humus **fractions** and their distribution in some lakes in Finland. 040629
Further investigations on the chemistry of **fungal** *"humic* acids". 040799
Brown rot [Piptoporus betulinus] of [Betula] wood as a model for studies of **lignocellulose** *humification.* 035700
Properties of **model** *humic* acids synthesized by phenoloxidase and autoxidation of phenols and other compounds formed by soil fungi. 040633
Hydrolyzable and **nonhydrolyzable** *3,4-dichloroaniline-humus* complexes and their respective rates of biodegradation [Phenylamide herbicides, residues in soils]. 039560
Biochemical investigation of **peat** *humic* acids. 040812
Effect of salinity and solonetzicity on the composition of *humus* and some **properties** of humic acids in Kazakhstan Chernozems. 040822
Change in the content of *humus* and in its **qualitative** composition under the effect of the agricultural use of thick Chernozem in the western forest steppe of the Ukraine. 040814
Changes in the composition of **raw** *humus* and the transport of organic matter as a result of urea fertilization. 040952
Chemical nature of **sedimentary** *humic* acids. 040622
Transformation of **sedimentary** *humic* acids, facts and speculations. 040636
North Atlantic facies of the turf subarctic and *illuvial-humus-Podzol* **soils.** 040603
On the determination of **soluble** *humic* substances in fresh waters. 041284
The biological transformation of **soluble** *humic* substances in Tjeukemeer, the Netherlands: a preliminary report. 041286
An introductory review on *humic* **substances** aspects of research on their genesis, their physical and chemical properties , and their effect on organisms. 040619
Chemical, spectroscopic, and thermal methods for the classification and characterization of *humic* **substances.** 040623
Humic **substances** and aquatic productivity. 040628
Natural radiocarbon measurements on *humic* **substances** in the light of carbon cycle estimates. 040630
Characterization of **synthetic** *humic-like* substances of similar origin using newer physical methods. 040621
Gel cheomatography as a method for characterization of *humic* **systems.** 040627
Ultraviolet and visible absorption spectra of *humic* **systems.** 040638

HUNGER
Dimensions and causes of *hunger* and **malnutrition.** 032533
Sensitivity to **physiological** *hunger* cues: are the obese really different? 032416
Hunger does not **wait** [Food supply]. 031821
The private college focuses on **world** *hunger* [Agricultural research]. 031881
Agriculture and *hunger* in the **world** [Human nutrition]. 032174

HUNTING
Ginseng and its role in the *hunting* and **industrial** areas of the Maritime Territory. 038553
Recreation guide: fishing, camping, services, *hunting* [in] **Lauderdale,** Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. 041650
Nature conservation and questions of *hunting* **organization** improvement. 041598
The incidence of Concinnum ten in raccoon dogs captured in Miyazaki prefecture. Results obtained in *hunting* **season,** from November 1974 to February 1975. 035013

HUSBANDRY
A leading role [of women] in agriculture and **animal** *husbandry.* 031308
Joint responsibility for a high level of crop farming and **animal** *husbandry* [Cooperatives, East Germany]. 031333
Animal *husbandry* in Surinam and its development. 031918
Food of animal origin: increasing the supply [**Animal** *husbandry,* research projects, Italy]. 033637
Results and prospects of scientific research at the All-Union Institute of **Animal** *Husbandry.* 033666
Practical application of prostaglandins in **animal** *husbandry.* 034643
Development, state and developmental tendencies of dairy **cattle** *husbandry.* 033648
Preliminary remark to the problem area II: Feeding, milk yield and economical aspects of dairy **cattle** *husbandry.* 034339
Fertility in **cattle** *husbandry.* 034581
Crossbreeding in **cattle** *husbandry.* 034742
Chinchillas. XXIV. *[Husbandry].* 033679
Small calves—What's new! Can calf mortality be **lowered?** *[Husbandry].* 033643
Intensive research with **mink** *[Husbandry].* 033682
Aspects of veterinary hygiene in the further development of **sheep** *husbandry.* 034939
Practical information about tasks of veterinary service in **sheep** *husbandry.* 034943
Regimen of specific prophylaxis and diagnostic examinations in **swine** *husbandry* [Vaccination]. 035271
Congenital tremor of baby pigs—a current problem of large-scale **swine** *husbandry.* 035378

HUSKS
The present validity of the pancreatic lipase method for *husk* **oil** protection [Olive oil cake, composition, adulteration]. 033455

HYACINTHS
Effect of spacing and phosphate fertiliser on forage and seed yield of Dolichos lablab var. lignosus *[Hyacinth* **dolichos].** 040883

HYALOMMA
Electron microscope studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of *Hyalomma* **anatolicum** excavatum (Koch, 1844). 039517
Ultrafine structure of the integument of the [blood sucking] **tick** *Hyalomma* asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504

HYALOPHORA
Carotenoids in blue mutant and normal green pupae of *Hyalophora* **cecropia.** 039835

HYBRID
Nucleic **acid** *hybridization* to the DNA of cytological preparations [Includes Drosophila]. 039875
Varieties and *hybrids* of **agricultural** crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Content and chemical composition of saponins in three local varieties of *hybrid* **alfalfa** (Medicago media Pers.). 037500
Hybrids in **American** Cyatheaceae [Pterydophyta]. 036637
Genetic studies on walking behavior in Drosophila melanogaster. I. Selection and *hybridization* **analysis.** 039655
Lily breeding—**Asian** *hybrids* [Lilium]. 036697
Chromosome relationships in interspecific **Avena** *hybrids,* with special reference to hybrids with Avena longiglumis [Oats]. 036576
Cytogenetics of cultivated **Bougainvilleas.** VI. *Hybridization.* 036717
Observations on the behavior of certain ecotypes and *hybrids* of the **Carpathian** bee (Apis mellifera carpatica). 040290
Man-molded **cereal**—*hybrid* corn's story [Breeding]. 036714
A study on the number of ovules per fruit set in tomato (Lycopersicon esculentum Mill) *hybrid* **combinations** and the corresponding parent cultivars [Heterosis]. 036472
Hybrid **cotton** a successful venture by India. 036491
Heritability and variability of characters in intervarietal and interspecific **cotton** *hybrids* under different irrigation conditions. 036678
Strategy of *hybrid* **cotton** for prosperity [Culture]. 038007
The occurrence of stalk rot [Fusarium] of maize in dependence on row distance and susceptibility of *hybrid* **cultivars.** 038834
Genetic approaches to enzyme induction in mammalian cells and *hybrids* in **culture.** 034582
Improved **DNA-DNA** *hybridization* as a taxonomic tool for phytopathogenic bacteria. 038867
Study of spontaneous oogonial crossing-over in interspecific **Drosophila** *hybrids.* 039766
Hybrid **dwarfness** of wheat Dika Triticum persicum Vav. 036519
Hybrids of **Epiphyllum** (Phyllocactus). 038499
Cytomixis in meiosis in some *hybrid* **forms** of the subtribe Triticinae. 036668
Reciprocal crossing of Culex pipiens pipiens with Culex pipiens molestus and the development of parental and *hybrid* **generations.** 039915
Morphogenesis of *hybrids* between **guinea** fowl and chicken. 034585
Development of buckwheat **heterosis** *hybrids* of the basis of periodic selection. 036643
Differences in the chemical composition of meat and its biological value in the *hybrids* **Hybro** B, Ross and Hubbard [Poultry]. 033136
Hybridization and selection for **increased** penicillin titre in wild-type isolates of Aspergillus nidulans. 036566
Inheritance of seed germinating capacity and rate at 26 and 11 degrees Centigrade in F1 tomato **interspecies** *hybrids.* 036477
Interspecies *hybridization* of tomatoes (Lycopersicon esculentum Mill and Lycopersicon peruvianum Mill). 036648
A study on the resistance to Lycopersicon [tomato] virus 3 Smith in progenies of Nicotiana tabacum L. [Tobacco] X Nicotiana glauca Grah **interspecies** *hybridization.* 038897
Karyotype of an **interspecific** *hybrid* of the urial (Ovis vignei) with the Kazakh Fine-Fleeced sheep. 034820
Differences in vegetative characteristics among four populatons of Senecio vulgaris L. possibly due to **interspecific** *hybridization.* 036388
Characteristics and performance of **interspecific** *hybrids* between Kentucky bluegrass and Canada bluegrass [Poa pratensis, Poa compressa]. 036423
Meiotic chromosome pairing in **interspecific** *hybrids* of Nicotiana. I. Comparative pairing of hybrids in section suaveolentes. 036607
Meiotic chromosome pairing in **interspecific** *hybrids* of Nicotiana. II. South American species hybrids: the influence of genotype on pairing. 036608
Seed abortion in some species and **interspecific** *hybrids* of Eucalyptus [from Australia]. 037891
Study of biological and commerical properties of new winter soft wheat varieties developed by **interspecific** *hybridization.* 038179
The frequency of telomeric associations of salivary gland chromosomes in **interspecific** *hybrids* as an autonomous character [Drosophila]. 039767
Genetic approach to the acoustic communication system of grasshoppers. I. Song pattern of **interspecific** *hybrids* between Chorthippus biguttulus and Chorthippus mollis. 039829

Genetic approach to the acoustic communication system of grasshoppers. II. The song-specific innate releasing mechanismof **interspecific** *hybrids* between Chorthippus bituttulus and Chorthippus mollis. 039830
Intravarietal *hybridization* of wheat and its effect on the quantitative characters and amino acids. 036614
Trials **involving** *hybrid* breeding [Swine]. 034717
1-caffeylrhamnose from **Lantana** *hybrida*. 037184
Aetheroleum Lavandulae and Aetheroleum **Lavandulae** *hybrids* in Yugoslav pharmacopedia III. 037147
Hybrids **lines** from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the fiber yield and length. 036418
A note on the pollen morphology of Corchorus capsularis Linn. Corchorus olitorius **Linn.** and their *hybrid*. 036304
Increase in *hybrid* **maize** yield by means of reciprocal recurrent selection on the basis of varietal crosses. 036647
Stand, early growth and plant and ear height of endosperm mutants and normal **maize** *hybrids* under field conditions. 036715
Activity of succinate dehydrogenase in self-pollinated lines and *hybrids* of **maize.** 037602
Formation of **molecular** *hybrid* forms in the system of isozymes of malate dehydrogenase in cotton and Fusarium [oxysporumvasinfectum]. 038804
Effect of variable plant heights and stump heights on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] *hybrid* **(NB-21).** 038031
"The Golden Montazah", a **new** *hybrid* of chickens. 034551
Crassula cv. **"Isabella", a new** *hybrid* [Succulents, varieties]. 038497
Specificity of the *hybrid* **offspring** of apple trees and quince. 036657
On some problems of **onion** *hybrid* seed production [Male-sterile lines]. 036534
Asexual propagation of *hybrid* **[ornamental]** elms [Ulmus pumila, Ulmus japonica]. 037831
Breeding potentials of noncultivated cottons. I. Some agronomic and fiber properties of selected **parents** and their F1 *hybrids*. 036422
F1 *hybrids* of **peach** and almond [Prunus amygdalus] trees as models for both species. 036383
During winter grow berseem [Egyptian clover] in napier bajra **[pearlmillet]** *hybrid*. 038125
Recognition and gene expression during the incompatibility reaction in **Petunia** *hybrida* L. 036590
Anthocyanin synthesis in a white flowering mutant of **Petunia** *hybrida* by a complementation technique. 037816
Methodological questions of **pig** *hybridization*. 034540
The distribution and composition of *hybrid* **populations** of Erica ciliaris L. and Erica tetralix L. in Dorset [Ecological factors]. 036225
The *hybrid* **Port-Bouet** 121. New results [Copra]. 038422
Production of *hybrid* **[potato]** stock utilizing the species Solanum bulbocastanum. 036467
Experience from gradual realization of the *hybridization* **program** [Swine]. 034857
Results from some research in northern Sweden with **provenance** *hybrids* of Norway spuce (Picea abies). 035636
A staghorn fern (Platycerium) *hybrid* **[Pteriodophyta].** 035944
Influence of some hormones on the oxygen consumption in leucocytes of different cattle **races** and *hybrids*. 034617
Diversity in the anionic peroxidase spectra of linecross **radish** *hybrids*. 036669
Comparison of an avian osteopetrosis virus with an avian lymphomatosis virus by **RNA-DNA** *hybridization*. 035129
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. I. Comparative pairing of *hybrids* in **section** suaveolentes. 036607
Use of male-sterile 1 gene to eliminate detasseling in production of *hybrid* **seed** of bicolor sweet corn. 036572
Resistance of *hybrid* **seedlings** of cherry to coccomycosis [Coccomyces hiemalis]. 038809
Comparative study of asynapsis of larvae salivary gland polytene chromosomes of Drosophila melanogaster, Drosophila **simulans** and their *hybrids*. 039757
Influence of temperature on the detectibility and chromosomal distribution of specific DNA sequences by in **situ** *hybridisation* [Mice]. 034598
Decline of animal power and rearing of solipeds, mechanization of agriculture: Study of the ass (and its *hybrids)* for **slaughter.** 034611
Genetic analysis of maternal effect on the "puffed" mutant character in female Drosophila virilis Sturt. X male Drosophila littoralis **Sokolov** *hybrids*. 039760
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. II. South American **species** *hybrids:* the influence of genotype on pairing. 036608
Partial male sterility and **spontaneous** *hybridization* in wheat. 036651
Pieris 'Brouwer's Beauty': a **spontaneous** *hybrid* of Pieris floribunda and Pieris japonica. 038251
Correlation between the weight of root and sugar content in di- and tetraploid variety line **sugarbeet** *hybrids*. 037570
Relationship between root color and economically valuable traits in **tetraploid** *hybrids* between sugar and mangel-wurzel beets. 036468
Studies on beta-carotene and lycopene content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. *hybrids* **[Tomatoes,** breeding]. 036628
Chromosomal variations in *hybrid* **Trilliums.** 036573
Investigations on an experimentally induced **triploid** *hybrid* of Datura innoxia Mill. 036479
Productivity and feeding value of [sugar and forage] beet **varieties** and *hybrids*. 038062
Hybrid **wheat:** what it can mean to you. 038123
Registration of alfalfa germplasm from cultivated X **wild** *hybrids*. 036449

HYDATIGENA

Taenia *hydatigena*. V. Surface structure of the adult worm and evaginated scolex [Dogs]. 035093

HYDRACHNELLAE

New water mites (Acari, *Hydrachnellae)* from **Australia.** 040170
Watermites *(Hydrachnellae,* Acari) from standing waters in Guatemala. 040148

HYDRANGEA

Ideas for **growing** *Hydrangea*. 038420
Reactions of violaxanthine cycle induced by high and lower beams of red light *[Hydrangea* **hortensis].** 037708

HYDRATION

Infrared study of exchangeable **cation** *hydration* in montmorillonite. 040763
The water content of muscle and cuticle of the woodlouse Oniscus asellus in conditions of *hydration* and **desiccation.** 039682
Prediction of time of *hydration* during **parboiling** of paddy from activation energy. 033268

HYDRAULICS

Hydraulic and **agricultural** management of the Durance basin. The Provence canal. 041239
Effect of **excess** *hydraulic* pressure on yield and composition of water-soluble substances extracted from larch wood. 035807
Photogrammetric survey of [waterfree] channel reds in **experimental** *hydraulic* engineering at the University of Karlsruhe. 041314
Calculating the stream rate of flow-formers *[Hydraulics,* **logging** rafts]. 035794
A **new** *hydraulic* principle for headboxes [Paper machines]. 035874
A *hydraulic* **triaxial** apparatus for controlled stress path testing [Soils]. 040580

HYDRAZIDES

Effect of colchicine, **maleic** *hydrazide,* caffeine & theobromine on cell division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Effects of gibberellic acid and **maleic** *hydrazide* on certain biochemical indices of Scenedesmus obliquus [Algae]. 037274
Respiration of **maleic** *hydrazide* treated and untreated onion bulbs during storage [Sprouting and behaviour]. 037629

HYDROCARBONS

Use of bacteria as protein producers in a process **based** on *hydrocarbons*. 032718
On the contamination of milk and milk products with **chlorinated** *hydrocarbons*. II. Results and discussion. 032156
Chlorinated *hydrocarbons* in cetaceans. 039574
Measurement of relative volume of lipid incorporations of the yeast Candida guilliermondii **cultivated** on *hydrocarbons*. 037222
Petroleum *hydrocarbon* toxicity studies. VI. Animal and human responses to vapors of "60 solvent". 035442
Petroleum *hydrocarbon* toxicity studies. VII. Animal and human response to vapors of "70 solvent". 035443
Petroleum *hydrocarbon* toxicity studies. VIII. Animal and human response to vapors of "140 degrees flash aliphatic solvent". 035444
Changes in the activities of enzymes and the protein content of yeasts [Candida guilliermondii] in relation to the **residual** *hydrocarbon* levels in the biomass. 036769
Hydrocarbons from **seeds** [of some species of Angiospermae]. 037166
Sesquiterpene *hydrocarbon* farnesene and its relation to the apple surface browning, scald [during storage]. 033440
Safety evaluation of yeast grown on *hydrocarbons*. IV. **Two-year** feeding and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial production of proteins]. 032013

HYDROCHLORIDE

Central effects of clonidine **2-(2,6-dichlorophenylamino)-2-imidazoline** *hydrochloride* in fowls. 033832
Effects of **diltiazem** *hydrochloride* on embryonic development: species differences in the susceptibility and stage specificity in mice, rats, and rabbits. 035432
Renaturation of yeast [Saccharomyces cerevisiae] inorganic pyrophosphatase denatured in urea and **guanidine** *hydrochloride*. 037018
Chemical mutagenesis in soybean (Glycine max (L.) Merrill) using ethyl methanesulphonate and **hydroxylamine** *hydrochloride*. 036596
A clinical study of **promethazine** *hydrochloride* as an orexigen in bovines [Anorexia]. 035325

HYDROCORTISONE

Epidermal protein metabolism directed toward keratinization by *hydrocortisone* in the **chick** embryonic skin growing in a chemically defined medium. 033876
The mechanism by which **foetal** *cortisol* controls the onset of parturition in the sheep. 034840
Free *cortisol* in obesity; effect of fasting [High and low protein diets]. 032162
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and *cortisol* in the **liver** and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Protein binding of **plasma** *cortisol* in the foetal lamb near term. 034057

HYDROCYANIC

Heme-linked protonation of HCN, CO, NO and O2 *[hydrocyanic* **acid,** carbon monoxide, nitric oxide, oxygen] complexes of reduced horseradish peroxidases. 037639

HYDROGEN

The **amide** *hydrogen* bond in energy functions for peptides and proteins. 032835
Auxin-induced *hydrogen* ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and water stress [Oats]. 037528
Nuclear magnetic resonance analysis of *hydrogen* and **carbon** isotopes of azulene extract derivatives of Eriocephalae punctulactus. 036860
Ketamine HCl *[hydrogen* **chloride],** a dissociative anesthetic for squirrel monkeys (Saimiri sciureus) [Laboratory animals]. 034910
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH *[hydrogen-ion* **concentration]** and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
The effects of heat treatment and pH *[hydrogen-ion* **concentration]** on the heat stability of recombined evaporated milk. 033015
Effect of chemically adjusted meat pH *[hydrogen-ion* **concentration]** and drying air velocity on some properties of dry sausage. 033090
The relationship of muscle pH *[hydrogen-ion* **concentration]** and beef tenderness. 033097
Fluorescence measurements and pH *[hydrogen-ion* **concentration]** sensitivity as predictors of color removal in process [Sugarcane sugar]. 033172
Effect of pH *[hydrogen-ion* **concentration]** and ionic strength on the catalytic and allosteric properties of native and chemically modified ox liver mitochondrial glutamate dehydrogenase. 033760
Leucine aminopeptidase (bovine lens): Effect of pH *[hydrogen-ion* **concentration]** on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. 034041
Stimulation of lactic acid production in chick embryo fibroblasts by serum and high pH *[hydrogen-ion* **concentration]** in the absence of external glucose. 034047
Study of the enzymatic activity of human and anaimal serum cystine aminopeptidase dependence on the pH *[hydrogen-ion* **concentration]** of the medium [Sheep, cattle]. 034225
Relation of the *hydrogen-ion* **concentration** of cow urine to pure acid-base extract. 034232
Effect of initial pH *[hydrogen-ion* **concentration]** on aflatoxin production [Aspergillus parasiticus, Fungi]. 036776
Thermal and *hydrogen-ion* **concentration** stability of the enzymic preparation of hemicellulase from Aspergillus awamori 16-4E [Fungi]. 037232
Influence of ionic strength, pH *[hydrogen-ion* **concentration],** and chelation of divalent metals on isolation of polyribosomes from tobacco leaves. 037521
Relations between the electrical potential, pH *[hydrogen-ion* **concentration]** gradient, proton flux and phosphorylation in the photosynthetic membrane [Spinach]. 037655
Anthocyanin, flavonol copigments, and pH *[hydrogen-ion* **concentration]** responsible for larkspur flower color [Consolida ambigua; Delphinium ajacis]. 037802
Soil pH *[hydrogen-ion* **concentration]** affects weed growth, too. 039129
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH *[hydrogen-ion* **concentration]** of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Biology of the spermatozoon of Apis mellifera. I. Influence of diluents and pH *[hydrogen-ion* **concentration].** 040243
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N *[Hydrogen-ion* **concentration,** oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
The influence of pH *[hydrogen-ion* **concentration]** on the adsorption of phosphate by soils from the Guinea and Sudan savannah zones of Nigeria. 041046
Effects of sulfur on reducing the pH *[hydrogen-ion* **concentration]** of an alkaline soil. 041067
Studies on the availability to plants of soil nitrogen in Malaysian tropical oligotrophic peat. I. Effect of liming andpH *[hydrogen-ion* **concentration].** 041109
Nitrogen and sulfur content and pH of precipitation in Iowa *[Hydrogen-ion* **concentration** , air pollution, water quality]. 041607
Auxin-induced hydrogen ion excretion: correlation with growth, and control by external pH *[hydrogen-ion* **concentration]and** water stress [Oats]. 037528
Primary reactions of photosystem II at low pH *[hydrogen-ion* **conentration].** I. Prompt and delayed fluorescence [Spinach]. 037654
Effects of net charge on the *hydrogen-deuterium* **exchange** parameters of [egg white] lysozyme. 033120

Response of plant fruiting to *hydrogen* **fluoride** fumigation [Pollution injuries]. 038958
Biological studies on environmental pollution by fluoride. III. Effect of *hydrogen* **fluoride** gas on metabolism of Gladiolus, Iris and Crocus. 039013
Respiratory effects of H+ *[hydrogen* **ion]** and dinitrophenol injections into the brain stem subarachnoid-space of fetal lambs. 033849
Interaction of H+ *[hydrogen]* **ions** with active transport of Na+ [sodium] and K+ [potassium] across rat submaxillary duct epithelium. 033938
The mechanism of auxin action on membrane transport of *hydrogen* **ions** [Maize]. 037589
Photoproduction of **molecular** *hydrogen* by a plant [Azolla]-algal symbiotic system. 037259
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of high lipid content using *hydrogen* **peroxide** under high temperature and pressure. 032820
Preservation of milk with *hydrogen* **peroxide.** II. Physicochemical changes in milk with respect to rennet action. 032967
Hydrogen **peroxide** alteration of whey protein in skim milk and whey protein solutions. 032994
Use of *hydrogen* **peroxide** to disinfect installations producing brucellosis preparations. 034936
Inactivation and mutation of yeast cells by *hydrogen* **peroxide** [Saccharomyces cerevisiae]. 036599
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from stored beans afer fumigated with *hydrogen* **phosphide.** 039423
Palaeotemperatures from tree rings and the D/H *[deuterium/hydrogen]* **ratio** of cellulose as a biochemical thermometer [Pinus radiata]. 035838
How hardwoods respond to H2S *[hydrogen* **sulfide]** pretreatment kraft pulping. 035855
Studies on *hydrogen* **sulphide** in Cheddar cheese at differentstages of its manufacture and ripening. 032971
The effect of *hydrogen-ion* and **tartaric** acid concentrations on the yield and quality of the lime tartrate [Wine production]. 033477

HYDROGENATION

Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under **catalytic** *hydrogenation* conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Influence of solvents on isomerization in the *hydrogenation* of **cottonseed** oil. 033211
Hydrogenation of **jojoba** oil [Simmondsia californica]. 032897
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of solid phase in cottonseed **oil** *hydrogenates.* 033213

HYDROGENOLYSIS

Studies directed toward a practical synthesis of brevicomin. IV. Formation and *hydrogenolysis* of **5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane** under catalytic hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391

HYDROGEOLOGY

Lineament analysis using ERTS-1 [Earth Resources Technology Satellite] images of Alberta *[Hydrogeological* **mapping].** 041309
Ecology and *hydrogeological* **role** of feathergrass [Lasiagrostis splendens] communities in the sandy deserts of the northern Aral region. 036250

HYDROLASES

Soluble proteins and *hydrolases* during **crown-gall** [Agrobacterium tumefaciens] induction in the tomato, Lycopersicon esculentum. 038858
Carboxylic **ester** *hydrolases* in the thyroid gland of the guinea-pig. A light microscopic study. 033917
Evidence for the activation of bovine adrenal cholesterol **ester** *hydrolase* by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Metabolism of limonoids: Limonin D-ring **lactone** *hydrolase* activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414
Purification and characterization of **lipolytic** *acyl-hydrolases* from rice bran. 033249
Purification and characterization of **lipolytic** *acyl-hydrolases* from rice endosperm. 033250
The relationship between **peptide** *hydrolases* of cytoplasm and brush borders of guinea-pig small-intestinal mucosa. 034215
Purification and properties of **S-adenosyl-L-homocysteine** *hydrolase* from leaves of spinach beet. 037640

HYDROLOGY

Water polluted with detergents and *hydrologic* **characteristics** of farm lands. II. Investigations on the stability of [soil] structure. 040567
Hydrological and **ecological** results of land drainage. 041257
Hydrologic **instrumentation** in the research watersheds: St. Louis Heights and Waahila Ridge, Oahu, Hawaii. 041304
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 revised model of watershed hydrology. A United States contribution to the **International** *Hydrological* Decade. 041432
Hydrologic **land** use classifications of the Patuxent River watershed using ERTS [Earth Resources Technology Satellite]-1 digital data. 041365
Measurement methods for head loss and velocity distribution after pipe bends and wye **pieces** *[Hydrology].* 041310
Effect of meadow and field utilization on *physico-hydrological* **properties** and agricultural value of mineral-muck soils. 040850
Instrumentation for *hydrologic* **research** on the Reynolds Creek Experimental Watershed. 041306
The *hydrologic* and **sediment** processes in natural watershed areas. 041395
Telemetry in *hydrology.* 041328
Urban *hydrology* for small watersheds. 041104
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 revised model of **watershed** *hydrology.* A United States contribution to the International Hydrological Decade. 041432

HYDROLYSIS

Automated *hydrolysis* of nonreducing sugars and fructosans from plant tissue [Grasses]. 037387
Dynamics of the *hydrolysis* of **barley** beta-glucan under the action of various enzyme preparations. 033152
Hydrolysis of a **chloro-s-triazine** herbicide [Degradation]. 039559
Activity of **enzymes** *hydrolyzing* nonstarch polysaccharides in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). 033148
Use of the method of "diffusion capsules" for studying the patterns of synthesis of some *hydrolytic* **enzymes** by microorganisms [Trichoderma lignorum]. 037004
Investigations into the influence of fiber structure on **heterogenous** *hydrolytic* degradation of cellulose. 035728
A **new** *hydrolysis* procedure for preparation of orange juice for trace element analysis by atomic absorption spectrometry. 033410
Hydrolyzable and **nonhydrolyzable** 3,4-dichloroaniline-humus complexes and their respective rates of biodegradation [Phenylamide herbicides, residues in soils]. 039560
Kinetic studies on the *hydrolysis* of **p-nitrophenyl-beta-D-glucoside** catalyzed by beta-glucosidase from sweet almond by means of the stopped-flow method. 033424
Esterase of vetch **seeds** *hydrolyzing* carbobenzoxy-alanine p-nitrophenyl ester. 037702
Nature of exchange and *hydrolytic* **soil** acidities. 040831

HYDROLYZATES

Isolation of Ne-(2-furoylmethyl)-L-lysine (furosine) from an **acid** *hydrolyzate* of casein heated with glucose. 032927
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of peptides from cyanogen **bromide** *hydrolysate.* 033783
Synthesis of glycosylureas from carbohydrates derived from *hydrolyzates* of **marine** algae and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Culture of lipid-forming yeasts in mixtures of oxidate and *hydrolysate* of **peat.** 037000
Can **protein** *hydrolysates* simulate a higher protein content in meat products? 033056

HYDROPEROXIDES

Cumene *hydroperoxide-mediated* formation of inhibited complexes of methylenedioxyphenyl compounds with cytochrome P-450 [Insecticide synergists]. 039595
Hydroperoxide **destroyers** and how they work [Food stabilizers]. 032779
Species differences in erythrocyte glutathione reduction rates after oxidation with **t-butyl** *hydroperoxide* [Sheep, goats, dogs, horses]. 033988

HYDROPHILIDAE

Calling chirps in Tropisternus natator (D'Orchymont) and Tropistermus lateralis nimbatus (Say) **(Coleoptera:** *Hydrophilidae).* 039708

HYDROPONICS

Anthurium andreanum Lindl. In *hydroponic* **culture:** influenceof substrates and of nutrition on formation of calcium oxalate. 036767
Will there be a complete revolution in the cultivation of tomatoes and cucumbers in regard to nutritional requirements? *[Soilless* **culture].** 037715
A closed continuous flow system for *hydroponic* **culture** in plant nutrition research. 038243
Effect of non-root nutrition supplements on yield and quality of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine *[Soilless* **culture].** 041124

HYDROQUINONES

Quinol **phosphate** as a metabolite of triphenyl phosphate [Musca domestica]. 039448

HYDROTHERMAL

A data acquisition and analysis technique for developing a synoptic presentation of *hydrothermal* **field** survey data [Impact on the environment]. 041560
Influence of different *hydrothermal-treatment* **methods** on the protein complex of pearl barley. 033154

HYDROXIDES

Evidence for a new aluminium phosphate phase from reaction rate of phosphate with **aluminium** *hydroxide* [Soil fertility]. 041018
Feeding and replacement value of **calcium** *hydroxide* treated maize cobs for dairy cows. 034368
Changes in the physical properties of soil clays due to precipitated aluminum and **iron** *hydroxides.* I. Swelling and aggregate stability after drying. 040758
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) **phosphonium** *hydroxide* with an ammonia vapor cure]. 031959
Sodium *hydroxide* treatment of barley straw; effect of volume and concentration of solution on digestibility and intake by sheep. 034276
Results of studies investigating the chewing and ruminating activity of cows fed rations of differently processed straw or straw treated with liquid **sodium** *hydroxide.* 034313
Digestibility of untreated and **sodium** *hydroxide* treated steer fecal waste. 034466

HYDROXYBENZOIC

On phenolic acids of vegetables. I. Hydroxycinnamic acids and *hydroxybenzoic* **acids** of Brassica-Species and leaves of other Cruciferae. 033485
On the occurrence of derivatives of hydroxycinnamic acids, *hydroxybenzoic* **acids,** and hydroxycounmarins in citrus fruits. 033486
On the phenolic acids of vegetables. IV. Hydroxycinnamic acids and *hydroxybenzoic* **acids** of vegetables and potatoes. 033487
On the phenolic acids of vegetables. II. Hydroxycinnamic acids and *hydroxybenzoic* **acids** of fruit and seed vegetables. 033488
On the phenolic acids of vegetables. III. Hydroxycinnamic acids and *hydroxybenzoic* **acids** of root vegetables. 033489

HYDROXYCHOLECALCIFEROL

The regulatory role of calcium in *25-hydroxycholecalciferol* **metabolism** in chick kidney in vitro. 033769

HYDROXYLAMINE

Chemical mutagenesis in soybean (Glycine max (L.) Merrill) using ethyl methanesulphonate and *hydroxylamine* **hydrochloride.** 036596

HYDROXYLASE

The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the regulation of chick renal **25-hydroxyvitamin** *D3-24hydroxylase.* 033770
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from chick embryo tendons without activation of **prolyl** *hydroxylase.* 033786

HYDROXYLATION

Enzymatic destruction of steroids in the process of 11alpha - and *11beta-hydroxylation* of the **21-acetate** of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). 037116
Response of renal calcium-binding protein independence of kidney vitamin D *hydroxylation* [in **chickens].** 034343
Microbial *hydroxylation* of steroidal delta 3,5 enol acetates [Rhizopus arrhizus, fungi]. 037292
11beta-hydroxylation of **progesterone** with Curvularia lunata[Fungi]. 036997
Cyclization and *hydroxylation* **stereochemistry** in the biosynthesis of gibberellic acid [by Gibberella fujikuroi]. 037160

HYDROXYLS

Bone resorbing activity of vitamin D metabolites and congeners in vitro: influence of *hydroxyl* **substituents** in the a ring. 032215

HYDROXYMETHYL

Strength of individual fibers treated with the flame retardant THPOH-NH3 *[tetrakis(hydroxymethyl)* **phosphonium** hydroxide with an ammonia vapor cure]. 031959
A durable flame-retardant finish for cotton based on THPC **[tetrakis** *(hydroxymethyl)-phosphonium* chloride] and urea. 031951

HYDROXYPROLINE

Ascorbate increases the synthesis of **procollagen** *hydroxyproline* by cultured fibroblasts from chick embryo tendons without activation of prolyl hydroxylase. 033786

HYDROXYTRYPTAMINE

Increase by visual stimuli in turnover of *5-hydroxytryptamine* in the **superior** colliculi of the rabbit. 034074

HYGIENE

Studies on the administration of food sanitation: an attempt to the establishment of a methodology for quantitative **administrative** *hygiene* [Inspection]. 031974
Hygienic **aspects** of mink feed [Bacterial contamination]. 033581
Hygienic **assessment** of agents of intoxications found in foods [Contamination]. 032152
Breeding *hygiene* in industrialised dairy units. 2. Management, organisation, and control of reproduction periods. 034747
Breeding *hygiene* in industrialised dairy farming units. 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. 034748
Studies on the estimation of the *hygienic* **condition** of frozen broiler chickens [Escherichia coli, Enterobacteriaceae]. 032088

Hygienic **control** of UHT [ultra-high temperature treated] milk [Processing]. 033028
Studies on the Clostridia content of Finnish silage and cow feces [**Dairy** *hygiene].* 033560
Veterinary service relative to **ensuring** *hygienic* quality of foodstuffs. 034952
[Maize] dialdehyde starches and their *hygienic* **evaluation** [in the diet]. 032503
Hygiene of **fish** and shellfish [Contamination]. 031985
Hygienic **investigation** of a proteolytic preparation obtained from Actinomycetes [rumosus tested as potential food additive]. 032153
Importance of microclimate in the complex of *hygienic* **measures** for fattening swine. 034942
Tasks in order to meet requirements of **meat** *hygiene.* 032028
Statistical approach to evaluating and securing methods and results in the context of *hygiene* and **microbiology** [Animal production]. 033649
Notes on some *hygienic* **parameters** in the production of Czabayka sausages under conditions of meat-processing industrialgroup. 032143
Hygienic **problems** of cooling poultry carcasses during slaughter-house processing. 032140
Hygienic **problems** in sheep's milk and production of rennin. 032141
New method of *hygienic* **removal** of spermatozoa in the operation of cattle breeding stations. 034859
A comparison of bacteriological methods of examining the *hygienic* **status** of frozen fish products. 031994
Hygienic **studies** on microbial flora of foods. 031972
Aspects of **veterinary** *hygiene* in the further development of sheep husbandry. 034939
Results of **veterinary** *hygienic* inspection activities in the Slovak Socialist Republic after 4 years of the fifth Five-Year Plan. 034946

HYLEMYA

Anatomical and histological study of the cabbage root **fly** *Hylemya* brassicae rectum on the occurrence of a pheromone gland. 039871

HYMENOLEPIS

Energetics of a host-parasite system: a preliminary report *[Hymenolepis* **diminuta,** rats]. 035091

HYMENOPTERA

The bees (Apoidea, *Hymenoptera)* on **alfalfa** (Medicago media Pers.) plantations. I. The species composition and variation of flights. 039697
The bees (Apoidea, *Hymenoptera)* on **alfalfa** (Medicago media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. 039698
A new observation on the association between **ants** *(Hymenoptera:* Formicidae) and armoured scale insects (Homoptera: Diaspididae). 039229
Materials on the fauna and ecology of **Apoidea** *(Hymenoptera)* from the lower Don. VI. Review of tropic links. 040051
Mating behavior in halictine **bees** *(Hymenoptera:* Halictidae). III. Copulatory behavior and olfactory communication. 039815
A revision of the Australian hylaeine **bees** *(Hymenoptera:* Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrobylaeus Michener, Hyleoides Smith, Pharobylaeus Michener, Hemirhiza Michener, AmphylaeusMichener and Meroglossa Smith [New taxa]. 039990
A revision of the Australian hylaeine **bees** *(Hymenoptera:* Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, Amphylaeus Michener and Meroglossa Smith [New taxa]. 039991
Study of Lepidoptera-, Coleoptera- and *Hymenoptera* **borers.** II. 039212
Opius dureseaui n. Sp. *(Hymenoptera,* **Braconidae,** Opiinae) reared on Agromyza frontella Rondani (Diptera, Agromyzidae). 040157
Bacillus thuringiensis preparations harmless to the parasite Trichogramma **cacoeciae** *(Hymenoptera,* Trichogrammitidae) [Plant insect pests, biological control]. 039247
Descriptions of some new and new records of some known **Chalcidoidea** *(Hymenoptera)* from India [New taxa]. 040115
Relationships and synonymy of Winnemana **Crawford** *(Hymenoptera,* Eulophidae). 040093
The introduction of Neodusmetia sangwani (Rao) *(Hymenoptera:* **Encyrtidae)** into Israel for the control of the Rhodesgrass scale, Antonina graminis (Maskell) (Homoptera: Pseudococcidae). 039292
Pseudencyrtoides cupressi Gordh et Trjapitzin, gen, et sp. n., a new genus and a new species of **encyrtids** *(Hymenoptera,* Chalcidoidea, Encyrtidae) from North America. 040056
New representatives and key to Palearctic species of the genus **Erigorgus** *(Hymenoptera,* Ichneumonidae). 040174
Spring behavior of Polistes **exclamans** *(Hymenoptera:* Vespidae: Polistinae). 039710
The amino acid requirements for larval development of the hymenopterous parasitoid Exeristes roborator **Fabricius** *(Hymenoptera:* Ichneumonidae). 039681
A study of the photoperiodic reaction in the ant Myrmica rubra L. *(Hymenoptera,* **Formicidae).** I. Basic parameters of the reaction. 039724
Investigations on the social organization in the Pharaoh's ant, Monomorium pharaonis L. *(Hymenoptera,* **Formicidae).** I. The regulation of the broad cycle. 039814
Influence of trace pheromones of Trissolcus **grandis** *(Hymenoptera,* Scerionidae) on the searching behaviour of females. 039971
Stingless bees (excl. Tetragonula) from the continental Southeast Asia in the collection of Berince P. Bishop Museum, **Honolulu** *(Hymenoptera,* Apidae). 040107
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) *(Hymenoptera,* **Icheumonidae),** in Ireland [Biological control of Sirex noctilio]. 039705
Two genera of nomadine bees [Ammobates and Morgania] new to **India** *(Hymenoptera,* Apoidea). 040033
Observations on male territories in a carpenter bee, Xylocopa (Neoxylocopa) hirsutissima **Maidl** *(Hymenoptera,* Anthophoridae). 039956
Biology of Melipona beecheii B. *(Hymenoptera:* **Meliponini),** a bee of Mexico: an experimental study of caste determination. 040191
Larvae of African allodapine bees. 2. Braunsapis and **Nasutapis** *(Hymenoptera:* Xylocopinae). 040253
Three oriental **Opiinae** *(Hymenoptera,* Braconidae) from the Townes Collection [New taxa]. 040162
Temporal patterning of courtship behaviour in some **parasitic** *Hymenoptera,* with special reference to Melittobia acasta. 039839
The amino acid requirements for larval development of the *hymenopterous* **parasitoid** Exeristes roborator Fabricius (Hymenoptera: Ichneumonidae). 039681
Rearing of Pachychrepoideus vindemiae (Rond.) *(Hymenoptera,* **Pteromaidae)** on pupae of Drosophila species. 039906
Short-term change in a population of the meat ant Iridomyrmex **purpureus** *(Hymenoptera:* Formicidae). 039633
Short-term change in a population of the meat ant Iridomyrmex **purpureus** *(Hymenoptera:* Formicidae). 039634
Dispersion and history of a population of the meat ant Iridomyrmex **purpureus** *(Hymenoptera:* Formicidae) [Geographical distributions]. 039988
Dispersion and history of a population of the meat ant Iridomyrmex **purpureus** *(Hymenoptera:* Formicidae). 039989
Morphological and biological adaptations of the imaginal phase of Encyrtus infidus **Rossi** *(Hymenoptera,* Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Influence of adaptational reactions of Encyrtus infidus **Rossi** *(Hymenoptera,* Chalcidoidea) on its host Eulecanium caraganae. 039969
The distribution and ecology of woodwasps [Urocerus gigas] *(Hymenoptera,* **Siricidae)** and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. 039705
Revision of the Stenamma **species** *(Hymenoptera,* Formicidae) from the USSE [New taxa]. 040178
Provancher's collections of insects, particularly those of *Hymenoptera,* and a **study** of the types of his species of Ichneumonidae. 040127
Sexual behavior of Hemitaxonous dubitatus (Norton) *(Hymenoptera:* **Tenthredinidae).** 040044
Species of the genus Glyptorhaestus **Thomson** *(Hymenoptera,* Ichneumonidae) [New Taxa]. 040159

HYPARRHENIA

Studies on the nitrate nutrition of two indigenous Rhodesian grasses *[Hyparrhenia* **filipendula,** Sporobolus pyramidalis]. 037472

HYPERA

A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, *Hypera* **brunneipennis** (Boheman). Supplement III. 039264
Evaluation of insecticides for control of Egyptian alfalfa weevil *[Hypera* **brunneipennis].** 039265
A bibliography of the alfalfa weevil, *Hypera* **postica** (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). Supplement III. 039264
Potential controls for alfalfa weevil *[Hypera* **postica]** in Pennsylbania: insecticides, petroleum distillates, and flaming. 039301

HYPERBOREA

Food preference and site of damage to preferred products by **ria** *hyperborea].* 039433

HYPERPLASIA

Cystic *hyperplasia-pyometra* complex: focal neoplastic endometrial hyperplasia in older bitches. 035353

HYPERSENSITIVITY

Immune responses to infections with coccidia [of Eimeria acervulina] in chickens: **gut** *hypersensitivity.* 035181

HYPERTHERMIA ***see*** FEVER

HYPERVITAMINOSIS

Hypervitaminosis E and **coagulation.** 032422

HYPHAE

Morphology and growth kinetics of *hyphae* of **differentiated** and undifferentiated mycelia of Neurospora crassa [Fungi]. 036324
Histochemical study of the *hyphae* and the **distribution** of adenosine triphosphatase in Dendryphiella salina [Fungi]. 037317
Hyphal **tip** bursting in Mucor rouxii: antagonistic effects of calcium ions and acid. 037049
Hyphal **wall** growth in Neurospora crassa and Geotrichum candidum [Fungi]. 037050

HYPHOMYCETES

A preliminary study of **aquatic** *hyphomycetes* on leaves in forest and stream leaf litter. 036230
Dematiaceous *Hyphomycetes* [Fungi] from India. II. [Torula caligans, Pithomyces chartarum, soils]. 036026
New Zealand fungi. 24. Capnokyma corticola gen. Nov., sp. Nov., a *hyphomycetous* **sooty** mould. 036069

HYPNUM

The deposition of particles on moss *[Hypnum* **cupressiforme]** and grass surfaces [Indicator plants]. 036176

HYPOCHAERIS

The gall of Phanacis hypochoeridis (Kief.) Eady and Quinlan on *Hypochaeris* **radicata** L. 039237

HYPOCHLORITE

Stimulation of pepper seed germination by **sodium** *hypochlorite* treatment. 038365

HYPOCOTYLS

Stimulation of ethylene production in the mung **bean** *hypocotyls* by cupric ion, calcium ion, and kinetin. 037527
Hormonal regulation of *hypocotyl* **elongation** in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778
Multiple forms of endo-pectate lyase formed in culture and in infected **squash** *hypocotyls* by Hypomyces solani f. sp. cucurbitae. 038770
The growth inhibitors in sugarbeet seed balls. II. Isolation of potassium nitrate as the germination inhibitor and *hypocotyl* **stimulating** substance. 037545
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] *hypocotyls* and **Zea** mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348

HYPOGLYCEMIA

Low carbohydrate diet, **alcohol** and *hypoglycemia.* 032292
Diagnosis of *hypoglycemia* in **baby** pigs with the aid of Dextrostix. 035379

HYPOMYCES

Multiple forms of endo-pectate lyase formed in culture and in infected squash hypocotyls by *Hypomyces* **solani** f. sp. cucurbitae. 038770

HYPOPHYSIS

A *hypophysis-abscess-syndrome* in **cattle.** I. Clinical investigations [Cornebacterium pyogenes]. 035168

HYPOPLASIA

Bilateral optic **nerve** *hypoplasia* in a pup [Dogs]. 035341

HYPOTHALAMUS

Monoamine fluorescence in the median eminence of the Japanese quail, Coturnix coturnix japonica, following medial **basal** *hypothalamic* deafferentation. 033859
Effect of electrode implantation and electrical stimulation of *hypothalamus* on **food** intake in cats. 033718
Hypothalamic **hormones** [isolated from sheep and swine]. 033777
Electrical stimulation of the *hypothalamus* and **luteinizing** hormone secretion in Japanese quail. 034054
Ontogeny of the **pig** *hypothalamic* neurosectory system with particular reference to the distribution of neurophysin. 033860

HYPOTHERMIA

Effects of cyanide and doxapram during *hypothermia* **[Dogs].** 034128

HYPOXIA

Effect of *hypoxia* on **immediate** ventilatory load response in dogs. 034011
The effects of indomethacin on the pulmonary vascular response to *hypoxia* in the **premature** and mature goat. 034155

HYPOXYLON

Long time storage of beech [Fagus] logs under water sprinklers [Phialophora fastigiata, Coryne sarcoides, *Hypoxylon* **coccineum].** 035733
Numerical taxonomy of *Hypoxylon* **[Fungi].** IV. Comparison of the cultural states of some applanate species of Hypoxylon with other members of the genus. 036157

Amino acid spectrum of three Xylariaceous fungi *[Hypoxylon* **haematostroma,** Rosellinia petrakii, Xylaria dealbata]. 038672
Two infection sites of *Hypoxylon* **mammatum** in trembling aspen (Populus tremuloides) [Saperda concolor]. 038589
Variability of host and pathogen in *hypoxylon* **[mammatum]** canker of aspen [Populus tremuloides]. 038591
Numerical taxonomy of Hypoxylon [Fungi]. IV. Comparison of the cultural states of some applanate species of *Hypoxylon* with other **members** of the genus. 036157

ICE

Preoccupations concerning extention of the **assortment** of *ice-cream.* 033022
Ice **cream** is a low-fat, highly nutritious food. 032175
Computer simulation of *ice* **cream** freezing. 032949
Using cottage cheese whey fractions or their derivatives in *ice* **cream.** 032962
Continuous freezers for the manufacture of *ice* **cream.** 033018
Milk sugar, an ingredient of fat-free milk solids for *ice* **cream** manufacture. 033036
Drying time calculation for *ice* **granulates** in a plate freeze-dryer. 032740
Influence of air phase dispersity on **hard** *ice-cream* texture. 032950
Chemical quality of **market** *ice* cream. 032079
Comparison between refrigerated sea water (with or without added carbon dioxide) and *ice* as **storage** media for fish to be subsequently frozen. 032739
Methods of quality evaluation of *ice-cream* and **storage** behaviour of vanilla ice cream. 032951
Advances in the theory of *ice* **sublimation** [Freeze drying]. 032737
Methods of quality evaluation of ice-cream and storage behaviour of **vanilla** *ice* cream. 032951

ICHNEUMONIDAE

The amino acid requirements for larval development of the hymenopterous parasitoid Exeristes roborator Fabricius **(Hymenoptera:** *Ichneumonidae).* 039681
New representatives and key to Palearctic species of the genus Erigorgus **(Hymenoptera,** *Ichneumonidae).* 040174
Species of the genus Glyptorhaestus Thomson (Hymenoptera, *Ichneumonidae)* **[New** Taxa]. 040159
Provancher's collections of insects, particularly those of Hymenoptera, and a study of the types of his **species** of *Ichneumonidae.* 040127

IDIOCERINAE

Studies on *idiocerinae* **leafhoppers.** XI. The neotropical genus Chunroides Evans. 040031

IDIOCERUS

A review of the **genus** *Idiocerus* Lewis (Homoptera: Cicadellidae) in the Ethiopian region, with description of eight new species. 040095

ILEUM

A comparative evaluation of bone marrow haemopoiesis in the breast bone and *iliac* **bone** of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435
Heat resistance of *ileal* **loop** reactive Bacillus cereus strains isolated from commercially canned food. 031949
The effects of removal of sodium ions from the mucosal solution on sugar absorption by **rabbit** *ileum.* 033815

ILEX

Holly *[Ilex* **aquifolium].** Can it be cultivated outside its usual area? 038419
A comparison of [the fertilizer] Osmocote 18-6-12 and 18-913 for use in containers [Juniperus chinensis, *Ilex* **cornuta].** 041064
Response of Juniperus chinensis 'Hetzi' and *Ilex* **cornuta** 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of single superphosphate in two container sizes. 041069
Response of Juniperus chinensis 'Hetzi' and *Ilex* **cornuta** 'Burford nana' to 3 levels of Dolomite and 3 levels of micronutrient fertilizer in two container sizes. 041070
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of cuttings *[Ilex,* **Ligustrum** japonicum, Juniperus chinensis]. 041068
Presence of theobromine in leaves of *Ilex* **perado.** 037197
Quercus *ilex* L. Distribution in Umbria (Italy). 035960

ILLUMINATION

Influence of *illumination* and **litter-drop** on the development of certain species of mosses [Musci, Picea, forests]. 036251

ILLUVIAL

North Atlantic facies of the turf subarctic and *illuvial-humus-Podzol* **soils.** 040603

IMAGINAL

The genus Protermes (Isoptera: Termitidae): description of *imago* **caste** and new records from central Africa. 040101
Aging and its relation to cell growth and differentiation in Drosophila [melanogaster] *imaginal* **discs:** developmental response to growth restricting conditions. 039900
Influence of alpha- and beta-ecdysone on the differentiation of the *imaginal* **disks** of Drosophila melanogaster, culturedin vitro. 039928
Morphofunctional state of principal organ system, life span, and fertility in the domestic cricket Acheta domestica during **normal** *imaginal* development and after allatectomy. 039930
Morphological and biological adaptations of the *imaginal* **phase** of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715

IMBIBITION

Studies on stable and during **early** *imbibition* phases synthesized Poly(A)-RNA of Agrostemma githago embryos. 036926

IMIDAZOLES

Effect of adenine and *imidazole* **derivatives** and indolylacetic acid on membrane potential of the cells of root hair in Trianea bogotensis. 036939

IMMATURITY

Co-ordinate synthesis of ribosomes and elongation factors in the liver of *immature* **chicks** following a metabolic shift-up. 034066
Relationships of *immature* **Dermacentor** variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. 039485
Effects of storage technique for *immature* **maize** on the utilization of its carbohydrates and nitrogen in growing-finishing swine. 034289

IMMERSION

Effects of chemical pretreatments on Ludwigia alternifolia L. ovules prior to *immersion* in **Herr's** clearing fluid. 037244

IMMOBILIZATION

Transformation of phosphorus in organic matter decomposition studies with special reference to the *immobilisation* **aspect.** 040840
Soil as a system of humus and **clay** *immobilized* enzymes. 040574
Influence of carbon dioxide narcosis and **cold** *immobilization* on the ovarian growth of the cockroach Nauphoeta cinerea. 039909

IMMUNITY

Adaptive *immunity* in hoofed animals in ontogenesis. 035201
Babesia rodhaini: *immuno-induction* of **antigenic** variation [Mice]. 035089
Vitamin B1 and *immunity:* **available** data and issues subject to further studies. 032502
Cell-mediated *immunity* [Nutritional deficiencies]. 032264
Salmonella enteritidis infection in rats: antigens involved in **cell-mediated** *immunity.* 035000
Lethal trait A46 (hereditary zinc deficiency) in Dutch Friesian cattle, a deficiency of **cellular** *immunity?* 035302
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: *immunity* in **chickens** with low multiple doses of mixed oocysts. 035059
Immune **deficiency** in malnutrition. 032423
Correction: Mouse spleen cells cultured in homologous serumcan indeed make primary antibodies to sheep **erythrocytes** *[Immunity].* 035199
Natural remission of nephrotic syndrome in a dog with *immune-complex* **glomerular** disease. 035343
Passive transfer of **heterologous** *immunity* in avian malaria [Chickens, Plasmodium relictum]. 035099
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a **highly** *immune* barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. 036500
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a **highly** *immune* barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
Humoral *immunity* [Protein synthesis]. 032286
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local **intestinal** *immunity* against enterotoxic strain of Escherichia coli O55 in **germfree** piglets. 035064
Mycotoxin-induced alterations of *immunity* **[Livestock** diseases]. 035147
Transition of *immunity* from the **mother** to the offspring in ruminants. 035210
The epidemiology of breast feeding **[Nutrition,** *immunity].* 032474
Transition of *immunity* to the **offspring** in animals with the chemochorial type of placenta. 035209
The role of *immune* **pig** colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in **germfree** piglets. 035064
Problems of biochemistry of [fungal] pathogenesis and *immunity* in **plants.** 038807
Post-vaccination *immunity* to foot-and-mouth disease in the calf. Determination of the optimal moment for the first vaccination. 035022
The *immune* **response** obtained with quadrivalent FMD [footand-mouth disease] vaccines in Kenyan cattle. 035025
Effect of host's nutrition [Rabbits] on *immune* **response** to amoebic antigen & on susceptibility to infection with Entamoeba histolytica. 035075
Genetic control of *immune* **responses** to parasites: selection for responsiveness and non-responsiveness to [the nematode] Trichuris muris in random-bred mice. 035180
Immune **responses** to infections with coccidia [of Eimeria acervulina] in chickens: gut hypersensitivity. 035181
Erythropoietin in the urine of horses donors of *immune* **sera.** 034961
Adherence reaction between Cystocaulus ocreatus L. Sensitized in *immune* **sera** from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. 034980
Babesia rodhaini: a study of the effects of *immune* **serum** [Mice]. 035090
Attempts to **transfer** *immunity* to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum [Pekin ducklings]. 035217
Immunity **trial** of fowl pox 'BM' strain vaccine against virulent fowl pox virus (Punjab isolate-1) [Chickens]. 035186
Enhancement of **two** *immune* reactions by vitamin A. 032277
Duration of post **vaccination** *immunity* to foot-and-mouth disease in cattle with chronic diseases. Experiments on leukosis and tuberculosis. 035018
Duration of post **vaccination** *immunity* to foot-and-mouth disease. New experimental works [Cattle]. 035019

IMMUNIZATION

Effects of **active** *immunization* with steroids on endocrine and reproductive functions in male animals. 034639
The effects of **active** *immunisation* against androstenedione on luteinizing hormone levels in the ewe. 034641
The oestrous cycle of the ewe after **active** *immunization* against prostaglandin F-2alpha. 034700
Aerosols in **animal** *immunization* [Poultry]. 035259
Experimental studies on the *immunization* of **avian** infectious bronchitis virus: immunogenicity of the CK attenuated virus. 035010
Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B cells at various stages after *immunization* for T **cells,** macrophages and antigen. 035057
Complex *immunization* of swine against hog cholera, Aujeszky's disease and erysipelas. 035232
Self-immunization in the **cutaneous** papillomatosis in cattle. 035194
Infectious tenosynovitis: *immunization* **experiments** with a viral isolate [Chickens]. 035044
Immunization against **gonadotropins** in dogs. 035071
Antibody response in sows following intramammary on **intramuscular** *immunization* with a killed Escherichia coli vaccine. 034998
Immunization against **Q-fever** of naturally infected dairy cows. 034959

IMMUNOCHEMISTRY

Immunochemical **analysid** of water-soluble antigens of chick retina in the course of embryogenesis. 035106
Immunochemistry of **carrageenans** from gametophytes and sporophytes of certain red algae. 036855
Comparative *immunochemical* study of proteins of the root and other organs of pea seedlings. 037860
Characterization of proteins and allergens in germinating castor seeds by *immunochemical* **techniques** [to study its potential toxicity as feed]. 033549

IMMUNODIFFUSION

Immunodiffusion and **electrophoretic** analysis of antigens from Strongyloides papillosus [obtained from infected rabbits]. 035008
A **single** *immunodiffusion* drop test for the detection of lily symptomless virus. 038878

IMMUNOELECTROPHORESIS

Immunoelectrophoretic **analysis** (IEA) of seminal plasma and fluids from seminal vesicles and ampullae of vasa deferentia of bulls. 034588

IMMUNOFLUORESCENCE

Use of *immunofluorescence* in the **diagnosis** of leptospirosis [Cattle]. 035255
Demonstration of antibodies against rabies by the **indirect** *immunofluorescence* method. 035224

IMMUNOGENICITY

The *immunogenic* **activity** of ribosomal fractions derived from Brucella abortus [Mice, guinea pigs]. 035115
Experimental studies on the immunization of avian infectious bronchitis virus: *immunogenicity* of the **CK** attenuated virus. 035010
Action of *immunogenic* **RNA** on lymphocyte replication [Mice]. 035055

IMMUNOGLOBULINS

Immunoglobulins of **blood** and milk of Indian pure and crossbred cattle. 035073
Immunoglobulin-containing **cells** in pig mammary gland. 033996
Isolation and physico-chemical characterization of bovine serum and **colostral** *immunoglobulin* G (IgG) subclasses. 033924
Effect of ricin on biosynthesis of myeloma protein (IgA) *[immunoglobulin* A] and **general** cellular proteins in MOPC-315 cells [Castorbeans]. 037361

Some properties of IgG [immunoglobulin G1] and IgG2 *[immunoglobulin* G2] **globulins** from normal and adjuvant stimulated guinea-pigs. 033925
The role of immune pig colostrum, serum and *immunoglobulins* **IgG,** IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. 035064
Formation persistence of latex-agglutination-inhibiting IgG- and IgM *[immunoglobulins* G and **M]-antibodies** in rabbits inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
Complement-binding activity of *immunoglobulins* of **sera** of blood and ewe colostrum infected with sheep abortion virus. 035202
Immunoglobulins on the **surface** of lymphocytes in ontogeny [Baby pigs]. 035063

IMMUNOHISTOCHEMISTRY
Immunohistochemical **localization** of alpha-amylase in barley aleurone cells. 036321

IMMUNOLOGY
Commentary: effects of malnutrition on *immunological* **functions.** 032265
Changes of protein fractions in the ontogenesis of four lupin species studied by *immunological* **methods.** I. Differences in the seed protein fractions of the studied lupin species and varieties. 037437
Changes of protein fractions in the ontogenesis of four lupin species studied by *immunological* **methods.** II. Changes of protein fractions during germination and development of etiolated plants and grown in light. 037438
Changes of protein fractions in the ontogenesis of four lupin species studied by *immunological* **methods.** III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and development of seedling. 037439
Effect of vitamin C on the *immunological* **reactivity** of animal anaerobic infections. 035204
The effects of malnutrition on *immunological* **responses** of the host: the key role of scarce amino acids. 032319
Experimental production of infectious bovine keratoconjunctivitis: comparison of serological and *immunological* **responses** using pili fractions of Moraxella bovis. 035030
Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, *immunological* **responses].** 035138
Influence of humoral factors from the calf thymus on the *immunological* **status** and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
Immunological **studies** in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep red blood cells] administration. 035078

IMPATIENS
Studies on the downy mildew disease of balsam *[Impatiens* **balsamina]** caused by Peronospora obducens. 038663
Diapause in the Australian flesh fly **Tricholioproctia** *impatiens* (Diptera: Sarcophagidae). 039630
Diapause in the Australian flesh fly **Tricholioproctia** *impatiens* (Diptera: Sarcophagidae). 039631

IMPERATA
Land preparation of *Imperata* **savannah** or grass pastures [which is to be planted in oil palm or coconut]. 038091

IMPLANTS
Aseptic milking by *implanted* **cannulae** as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
Effect of **electrode** *implantation* and electrical stimulation of hypothalamus on food intake in cats. 033718
Effect of *implanting* and **reimplanting** zeralanol (Ralgro) insteers during deferred growing, winter grazing and feedlot finishing programs [Beef cattle]. 034443
Suppression of the development of female hamster [sexual] behaviour by *implants* of **testosterone** and non-aromatizable androgens administered neonatally. 034673
Zeranol *implantation* in grazing heifers and in combination with melengestrol acetate in feedlot-fed heifers. 034482

IMPORTERS
Venezuela to continue as **grain** *importer* in future. 031615

IMPORTS
U.S. **Agricultural** *imports* from 50 major countries, fiscal years 1970-75 [Statistics]. 031586
Import of **agricultural** machinery, 1974. 040500
Preparations and preserved fruit and vegetable products for *imports* into the **area** of the Organization for Economic Cooperation and Development. 031657
Canada's European **cattle** *importation.* 031561
Imports of **citrus** juice in the European Economic Community. 031616
Import of **cut** flowers. 031617
The brown dog tick (Rhipicephalus sanguineus) on an *imported* **dog.** 039491
Rising energy costs imperil East **Europe's** *import* growth. 031610
On the possibility of the acclimatization of *imported* **farm** [insect] pests. 039245
EEC [European Economic Community] **food** *imports* from the Third World and international responsibility in agricultural policy. 031577
Bangladesh grain crops on uptrend, but *imports* **heavy** [Production]. 031601
Eimeria leuckarti and Dicrocoelium dendriticum observed in **horses** *imported* to Denmark. 035170
Affluent Saudis **increase** *imports* of some U.S. Foods. 031599
Biotic interference with **insect** *imported* for [biological] weed control. 039098
Quality problems of South American honeydew **melons** *imported* into Britain [Contamination]. 032135
Import of **nursery** articles [Common Market]. 031618
USSR facing **possible** *import* payment pinch [Credit]. 031454
Regulation of the European Economic Committee with third countries for fruit and vegetable products *[Imports,* **prices].** 031658
United **States** *imports* more cut flowers. 031613
1974 turned out to be a good year for **tractor** *imports.* 040503
Norwegian **vegetable** *imports.* 031619

IMPREGNATION
Collapse phenomena in beechwood [Fagus sylvatica] during and after NH3 [**anhydrous** *ammonia]-impregnation.* 035905
Retention rate in cows and heifers of intravaginal silastic **coils** *impregnated* with progesterone. 034692
Weed control in a fruit tree nursery with *herbicide-impregnated* **string.** 039130
Evaluation of the sanitary harmlessness of the *wood-impregnation* **substance** Pentor 70 [Swine, toxicity]. 035452

IMPRINTING
Imprinting in **chickens.** 034185

IMPURITIES
Study of the influence of **paramagenetic** *impurities* of the relaxation of protons of the [plant] tissue water using the Overhauser effect. 036914

INACTIVATION
The *oxytocin-inactivating* **activity** of the rabbit testes homogenates. 034589
Inactivation by **detergents** to the proline transport system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. 033799
Inactivation and **mutation** of yeast cells by hydrogen peroxide [Saccharomyces cerevisiae]. 036599
Oxidative deamination of biogenic amines by intestinal amine oxidases: histamine is **specifically** *inactivated* by diamine oxidase [Dogs]. 033921
Thermal *inactivation* of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
Experimental study of a rabies vaccine from sheep brain **tissue** *inactivated* with ultraviolet rays. 035282

INBREEDING
Relation of *inbreeding* to **chromosomal** abnormalities in laboratory mice. 034797
Physicochemicl mechanisms of *inbred* **depression** and heterosis [Plants, animals]. 034822
Polymorphism of chromosomes of *inbred* **lines** and species of populations of rye (Secale cereale L.). 036469
Intrapopulation variability of isozyme spectrum of peroxydases in varieties of *inbred* **lines** of radish. 036521
Inheritance of pericarp thickness in short season **maize** *inbreds.* 036409
Influence of cytoplasms on the fatty acid composition of two **maize** *inbred* lines. 036559
Studies on prenatal and postnatal material influence on the progeny in mice. I. Investigations with *inbred* **strains.** 034619
Investigations on genetic constancy or subline drifting of *inbred* **strains** of rats and mice. 034872
Florida 32 and Florida 56—two shrunken-2 (sh2) **sweetcorn** *inbreds* [Genetics]. 036417
Combination of different *inbreeding* **systems** for the development of sugarbeet. 036640

INCARNATA *see* **GRANULES**

INCENTIVES
Economic *incentive* in the production of mustard seeds. 031510
Economic *incentive* in the harvesting of cereals. 035511
Efficient utilization of **economic** *incentives* of the development of production [Forest industries]. 035573

INCINERATION
Sludge **drying** and *incineration.* 041644

INCOME
Active *income* policy for farmers [Austria]. 031770
Interregional differences of **agricultural** *income* in the Federal Republic of Germany. 031412
1973 **agricultural** *income* accounts of European Economic Community member countries. 031475
Agricultural *income* situation [Common Market]. 031513
Varied development of *income* in **agriculture** and forestry [Austria]. 031405
Inquiries of *income* in **agriculture** and forestry [Policies, Austria]. 031771
The effect of output changes on [rural] *income,* **employment** and output in Assumption Parish. 031439
Reconsideration of the tax on potential **[farm]** *income.* 031424
Canada foresees 25 percent dip in **farm** *income* in 1976. 031453
Improving the nutrition awareness of *low-income* **groups.** 032289
World demand prospects for bananas and citrus fruits, the effect of prices and *income* on the **growth** rate of consumption. 031736
Expressed nutrition information needs of *low-income* **homemakers.** 032685
Economic growth of the greenhouse **industry** *[Income].* 031457
We must keep the people in the country with the only inducement of a **larger** *income* approximating that earned in the cities [Cotton industry, economic aspects, Colombia]. 031233
South Dakota **low** *income* families and migration [Rural sociology]. 031027
Investment furthering for **main** *income* farms capable of development. 031486
Measures to help **main** *income* farms which are not capable of development. 031488
Supplemental feeding of steers on everglades pasture. Effect on pasture and feedlot performance and economics of **production** *[Income].* 034350
The impact of concentration upon cost-, output- and *income* **relations** within the activities of sunflower production. 031461
Income and **resource** productivity of alternative rice farm cropping patterns in Bicol. 031471
Conversion and adaptation measures in **secondary** *income* farms. 031484
Part-time farming. The results of investigations into selected aspects of particular **significance** *[Income].* 031430

INCOMPATIBILITY
Recognition and gene expression during the *incompatibility* **reaction** in Petunia hybrida L. 036590
Stock-scion relationship in some compatible and *incompatible* **unions** of nursery pear plants. 038293

INCORPORATION
Comparative capacity of amino **acid** *incorporation* by isolated nuclei and chloroplast preparations [Chlorella, Algae]. 037269
Determination of the relative rates of *incorporation* of **arginine** and ornithine into retronecine during pyrrolizidine alkaloid biosynthesis [in Senecio by double-isotope technique]. 037161
Re-incorporation of **carbon** atoms into plasma glucose in newborn dogs. 033848
Incorporation of [2-14C **[carbon** isotope] acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Incorporation of **cytokinin** N6-benzyladenine into tobacco callus transfer ribonucleic acid and ribosomal ribonucleic acid preparations. 037813
The rate of *incorporation* and **degradation** of phenylalanine-14C [carbon isotope] by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. 034427
Incorporation of **exogenous** amino acids into metabolism of winter wheat at different temperatures of growth. 037427
Incorporation of N from **intravenously** administered 15N [nitrogen isotope] labelled urea into the bacterial protein in the sheep. 033721
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C [carbon **isotope]-sucrose** *incorporation* in their tissues. 039110
Incorporation of **lipid** into the epicuticle of Rhodnius (Hemiptera). 039826
Plant protein **materials** *incorporated* in foods. 032887
Studies with labelled urea on lactating ruminants. 4. *Incorporation* of 15N **[nitrogen** isotope] urea into the basic amino acids of goat milk. 034317
Ether lipid metabolism: *incorporation* of **O-Hexadecyl** ethanediol into rat brain lipids. 033795
Regulation by pyruvate kinase and phosphatase of inorganic **phosphate** *incorporation* during photophosphorylation. 036970
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of *incorporated* **phosphorus-32** on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the *incorporation* of 32P **[phosphorus** isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
Action of growth hormone in vitro on the net uptake and *incorporation* into **protein** of amino acids in muscle from intact rabbits given protein-deficient diets. 032183
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and *incorporation* of **radioactive** tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Retention of metals in sewage sludge. II. *Incorporated* **radioisotopes.** 041609
Incorporation of **sunflower** seed meal in bread [to improve nutritional quality]. 032369

Absorption and *incorporation* of **tracer-labelled** amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Absorption and *incorporation* of **tracer-labelled** amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Incorporation of **tritiated** uridine during pachytene and diplotene stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). 033894
Incorporation of (3H) **[tritium]-arachidonic** acid into cattle retina lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. 034101
Rapid detection of mycoplasmata and nonculturable agents in animal cell cultures by **uracil** *incorporation.* 035148
Contribution to the problem of whey utilization: general considerations and experiments on the *incorporation* of **whey** proteins in the rennet coagulum. 033033

INCREMENTS
Characteristics common to **choleretic** *increments* of bile induced by theophylline, glucagon and SQ-20009 in the dog. 034150
Method of examining the relationship between the **current** *increment* of [forest] stand volume on the one hand, and breast height cross-section area and the number of trees per area unit on the other. 035622
Seasonal **growth** *increment* of pine, spruce, oak and birch in mixed stands of the Svesskii Forest Enterprise. 035598
Fallow **land** *increment* and other phenomena of extensification [Soil conservation, Switzerland]. 041158
The evaluation of the dynamics of **seasonal** *increment* of Larix dahurica in a forest tract Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). 037899

INCUBATION
Action of radiation given prior to and in the process of *incubation* on the **growth** and development of embryos and chickens and oviparity of hens [Radiation, injuries]. 034166
Catabolism of fatty acids by chicken liver **homogenates** *incubated* with margaric, stearic and linoleic acids [Animal nutrition]. 034423
Fermentative conversion of sugarcane juice into fungal protein. II. Effect of different nitrogen sources, levels of ammonium nitrate and *incubation* **period.** 033243
Studies on soil fungistasis. V. Effect of temperature, moisture content and *incubation* **period.** 040661
Secondary dormancy in light-sensitive lettuce **seeds** *incubated* anaerobically or at elevated temperature. 037674
A note on the seasonal changes in the *incubation* **time** of groundnut rust [Puccinia arachidis]. 038602
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during *incubation* of **UV** [ultraviolet]-irradiated conidia in buffer. 036674

INDEX
The effect of physical stress on the values of the *indexes* of the **acid-base** homeostasis of the blood of pigs. 034227
Index selection for several **agronomic** traits in the BSSS2 maize population. 036432
Effects of gibberellic acid and maleic hydrazide on certain **biochemical** *indices* of Scenedesmus obliquus [Algae]. 037274
Investigation of some **biochemical** *indices* in grapevine berries in relation to grafting. 037854
Evaluation and interpretation of diversity measures as **biological** *indices* of pollution and/or environmental change in aquatic systems. 041572
Transformation of meadow and plant communities within the last few decades as an *index* of **changes** in natural and agricultural conditions [in Poland]. 036255
Influence of an anti atherosclerotic diet containing a protein enrichment agent on the **clinico-biochemical** *indices* in patients with Ischemic heart disease. 032488
Vegetables and fruits in the **consumers** *index.* 1. 031738
Determination of confidence intervals for **consumption** *indexes* of spare parts using a method of mathematical statistics [Equipment]. 040420
Selection-index for **cows** [Breeding]. 034718
The protein value of soy with a standard layer PDI [protein **dispersibility** *index]* number. 033275
Effect of concentration of production on the **economic** *indices* of widespread-demand enterprises [Forestry]. 035572
The status, **economic** *indices* and ways of improving production of planting stock in the Ukraine [Silviculture]. 035672
Meaning of **economic** *indices* [Multiple-story beehives in apiculture]. 040262
Rainfall **erosion** *index* of Bangalore agro-climatic area. 041174
Relationship of **fertility** *index* to the growth of Japanese native calves. 1. 034556
In vitro synthesis of lipids in relation to some **hematological** *indexes* in rats. 1. High cellulose, low fat content in feed. 034528
An *index* to the **insects** and spiders featured on Audubon's bird plates. 040039
CAIN [Cataloging and Indexing] on-line at the University of Wisconsin [Forestry **literature** *indexing* coverage]. 031003
Examination of the **metabolism** *index* of Salmonella typhimurium infected goose eggs. 034967
Effects of the amount of nitrogen absorbed up to the stage of 90 in leaf **number** *index* on the morphological characteristics, the degree of lodging and the yield components in rice plants. 037541
CAIN [Cataloging and *Indexing]* **on-line** at the University of Wisconsin [Forestry literature indexing coverage]. 031003
Peroxide *index* of bergamot essential oil. 033367
Study of the phosphate regime of soils with the application of *indices* of **phosphate-buffer** capacity (Q/I) and phosphate potential. 040848
Possibility of diagnosing resistance of grain legumes to low positive temperatures from **physiological** *indexes.* 037419
Index of **plant** diseases in Florida. 038964
Agricultural prices. Basis, results and problems of comparing some **price** *index* numbers. 031519
Prices and **price** *indexes* for Louisiana farm products, 19711975. 031569
Erythrocyte glutathione reductase activity as an *index* of **riboflavin** nutritional status in pregnant women. 032278
CAIN-on-line [Catalog and *Indexing]* **services** at the University of Arizona [Agricultural computer systems]. 031004
Effect of calcium cyanamide on the **structure** *index* of the soil. 040559
Economic use of water with nitrogen fertilization and assessment of **suitable** *indices* for scheduling irrigation in sugarcane. 041339
Variability in the chemical composition of grasses and its correlations with nutritive **value** *index.* 037459

INDICATORS
Persistence of fecal **coliform** *indicator* bacteria on alfalfa irrigated with municipal sewage lagoon effluent [Health hazards to livestock]. 041353
Activity of copper-proteid oxidases as an *indicator* of **copper** supply in plants [Oats, rape]. 037497
Bifidobacterium as an *indicator* of **faecal** pollution in water. 041630
Respiratory measurements as *indicators* of **field** emergence ability in peas. 037846
Phenol red as an *indicator* of the **flow** rate of digesta along the small intestine of pig. 033715
Effect of cereal mixtures with various moisture content on the *indicator* of a **humidifier.** 040460
Pasteurization of beer. 2. Determination of furfural, an *indicator* of **intensity** of pasteurization and aging of beer. 032906
Mushrooms as *indicators* of **mercury** emissions in the vicinity of a chlor-alkali plant. 041683
Microbial *indicators* of oil-rich salt marsh sediments. 041486
Soil insects [Collembola] as *indicators* of use **patterns** in recreation areas. 035563
The whey proteins as *indicators* of the **physiological** or of the pathological status of the mammary gland. 033747
The deposition of particles on moss [Hypnum cupressiforme] and grass surfaces *[Indicator* **plants].** 036176
The activity of glutathione-reductase and flavin adenine dinucliotide **effect** as *indicators* of the **riboflavin** allowance in experiments and in patients with phenylketonuria. 032498
Comb or wattle size of 10 weeks old cockerels as an *indicator* of **sexual** maturity in selection for egg production. 034568
A portable linear thermistor **temperature** *indicator* [Water analysis]. 041292

INDIGENOUS
Observations on the microbial quality of some *indigenous* **concentrated** milk products. 032054
A note on seasonal variation in normal water intake by *indigenous* and **crossbreed** sheep. 034278
Resistance of *indigenous* and **exotic** barley varieties to races of black rust (Puccinia graminis). 038661
Summary report on agricultural mechanization and development in *indigenous* **farm** machinery production in Thailand. 040404
The rhodesgrass scale [Antonina graminis] in Israel. 1. Life history, distribution, host plants and *indigenous* **natural** enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. 039281
An enumeration of *indigenous* **pteridophytes** in Taiwan. 6. 036126
Seeds for reforestation: a strategy for sustained supply of *indigenous* **species.** 035675
Studies on the nitrate nutrition of **two** *indigenous* Rhodesian grasses [Hyparrhenia filipendula, Sporobolus pyramidalis]. 037472

INDIGO
An historical memoir of the *Indigo* **[Indigofera]** industry of Bihar. 031803

INDIGOFERA
An historical memoir of the Indigo *[Indigofera]* **industry** of Bihar. 031803
Determination of the toxicity and phytotoxin of some cover crops *[Indigofera,* **Paspalum** notatum] inhibiting the growth of banana. 039136

INDOLE
Effects of *indol-3yl* **acetic** acid on floral induction and apical differentiation in Chenopodium rubrum L. 036762
Nature of *indole-oxidizing* **agents** in Chernozem. 040832
Indole **alkaloids** [Plants]. 036740
Formation of *indol* **compounds** by different strains of Ustilago zeae (Beckm) Ung. [Smut, maize]. 038803
Production of alkaloids and related substances by fungi. XII. Isolation of festuclavine and three **new** *indole* alkaloids, roquefortine A, B and C from the cultures of Penicillium roqueforti. 037006

INDOLEACETIC
Effect of adenine and imidazole derivatives and *indolylacetic* **acid** on membrane potential of the cells of root hair in Trianea bogotensis. 036939
Synthesis of *indoleacetic* **acid** in normal and autonomous cultures of plant tissues. 036943
Interactions between IAA *[indoleacetic* **acid],** potassium, and malate accumulation, and growth in Avena [oats] coleoptile segments. 037612
Effect of *indoleacetic* **acid** on the photophosphorylation of isolated pea chloroplasts. 037660
Significance of triton-extractable membranes for IAA *[indoleacetic* **acid]**—chromatin interactions [Peas]. 037887
Transport of *indoleacetic* **acid-carbon** 14 [isotope] under various conditions of potassium nutrition [Field beans, sunflowers]. 037434

INDOMETHACIN
The effects of *indomethacin* on the **pulmonary** vascular response to hypoxia in the premature and mature goat. 034155

INDUCERS
The mortality of puppies controlled by use of an **interferon** *inducer.* 035141

INDUCTION
Polyploidization and chromosomal **aberrations** *induced* by mutagens in the open flowering sterile mutants of spring barley. 036706
Polyamino **acid** *induced* aphid [Myzus persicae] transmission of plant viruses [Tobacco]. 038921
Enzyme activity changes during cyclic AMP **[adenosine** *monosphosphate]-induced* stalk cell differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. 037048
Physiological study of ergot [Claviceps fungi]: *induction* of **alkalois** synthesis by tryptophan at the enzymatic level. 037012
Ultraviolet-induced **alterations** of beat rate and electrical properties of embryonic chick heart cell aggregates. 034063
Mycotoxin-induced **alterations** of immunity [Livestock diseases]. 035147
Babesia rodhaini: *immuno-induction* of **antigenic** variation [Mice]. 035089
Characteristics common to choleretic increments of **bile** *induced* by theophylline, glucagon and SQ-20009 in the dog. 034150
Induction of **bovine** polioencephalomalacia with a feeding system based on molasses and urea. 035398
Granulated etherel and ARD-1266 as potential **branch** *inducing* agents of geraniums. 036944
Bromonium *ion-induced* cyclization of methyl farnesate: application to the synthesis of snyderol [Laurencia snyderae, algae]. 037290
Chromosomal variation in **calluses** *induced* in Vicia faba [broadbeans] and Allium cepa [onions]. 036574
Is *induced* **calving** right for your cows? [Breeding]. 034789
Studies on epinephrine & **carbachol** *induced* metabolic changes in Bubalus bubalis [Buffalo calves]. 033973
Glucose repression of the *inducible* **catabolic** pathway for pentitols in Rhodotorula gracilis [Fungi]. 037305
Induction of the **catalytic** protein of (Na+ +K+) [sodium and potassium ions]-ATPase in the salt gland of the duck. 033800
Effect of caffeine on recovery from DEB *[diepoxybutane]-induced* **cell** inactiation in UV [ultraviolet]-sensitive mutants of Saccharomyces cerevisiae. 036597
Temperature-induced **changes** in metabolism and body weight of cattle (Bos taurus). 033850
Role of catecholamines in *thyroxine-induced* **changes** in metabolism and body temperature during exercise in dogs. 033896
Induction of morphological changes and the effect of *induced* **changes** on the fertilizing capacity of cock spermatozoa. 034650
Ultraviolet-induced **changes** in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). 039669
Manganese mutagenesis in yeast. II. Conditions of *induction* and **characteristics** of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Chemical *induction* of chromosome aberrations in somatic cells of Drosophila melanogaster. 039878

Studies on **chemically** *induced* dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ cells [Mice]. 034758
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the *induction* of **chlorophyll** mutations in Oryza sativa L. [Rice]. 036555
Root tips of Vicia faba [broadbeans] for the study of the *induction* of **chromosomal** aberrations. 036601
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and *induced* **chromosome** translocations in the male germ cells. 034622
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and *radiation-induced* **chromosome** mutations [Onions, broadbeans]. 036667
Induction of **CMS** [cytoplasmic male sterility] in cotton by means of radiation-induced mutagenesis. 036520
A **colchicine** *induced* diploid from a haploid soybean twin. 036568
The reversible, *light-induced* **conversions** of xanthophylls in the chloroplast. 036802
Reactions of violaxanthine **cycle** *induced* by high and lower beams of red light [Hydrangea hortensis]. 037708
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on *light-induced* **cytochrome** changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Induction of **cytochrome** P-450 in yeast [Saccharomyces cerevisiae] by phenobarbital. 037306
A comparison between host density and inoculum density effects on the frequency of primary infection foci in Pythium *[irregulare]-induced* **damping-off** disease [of garden cress seedlings]. 038576
Inhibition, by the anti-oestrogen MER-25, of **defeminization** *induced* by the synthetic oestrogen RU2858 [Rats]. 034670
Bovine plasma oestrogens, progesterone and glucocorticoids during **dexamethasone** *induced* parturition. 034541
DDE **[dichlorodiphenyl** *dichloroethylene]-induced* eggshell-thinning in the American kestrel: a comparison of the field situation and laboratory results. 039568
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. *induced* by **dimethyl** sulfate. 036671
Androhaploids and restitutional **diploids** *induced* in vitro as the initial material for the analysis and for the selection of characters in synthetic breeding [Tobacco]. 036510
Possible mode of action of phenolics in *inducing* **disease** resistance in ragimillet plants against Helminthosporium tetramera. 038704
Hereditary changes in Capsicum annuum L. [Red peppers]. III. *Induced* by **DNA** treatment. 036577
A case of *induced* **double** interchange in rice involving six chromosomes. 036595
Dysenteries *induced* by nutrition in dogs. 035354
Study of the genetic **effects** *induced* in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Enzymatic basis for *DDE-induced* **eggshell** thinning in a sensitive bird. 039582
Changes of peripheral leukocyte-counts by **electrically** *induced* convulsion in rabbits. 034082
Effects of magnesium and chloride ions on *light-induced* **electron** transport in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
Isolation, culture, and *induction* of **embryogenesis** in protoplasts from cell-suspensions of Atropa belladonna. 036347
Behavior of sugarcane clones (genotypes) under natural and *induced* **environmental** stimulus [Genetics]. 036632
Genetic approaches to **enzyme** *induction* in mammalian cells and hybrids in culture. 034582
Induction of **estrus** in mares after foal heat with prostaglandin-F2alpha. 034727
Induction, selection, and **experimental** uses of temperature-sensitive and other conditional mutants of yeast [Saccharomyces cerevisiae]. 036585
Effect of several antipyretic substances on **experimentally** *induced* pyrogenic reaction in sheep. 033882
Investigations on an **experimentally** *induced* triploid hybrid of Datura innoxia Mill. 036479
Brinjal [eggplant] leaf **extract** *induced* resistance to virus infection in plants. 038904
Favorable *diet-induced* changes in coronary risk factors. 032281
Optical isomers of verapamil on canine heart. Prevention ofventricular **fibrillation** *induced* by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Effects of indol-3yl acetic acid on **floral** *induction* and apical differentiation in Chenopodium rubrum L. 036762
Analysis of temperature-jump chlorophyll **fluorescence** *induction* in plants [Algae]. 036808
Fluorescence *induction* of normal and mutant maize seedlings. 037441
Effect of aeration on the *flood-induced* **formation** of adventitious roots and other changes in sunflower (Helianthus annuus L.). 037529
On nature of y chromosome **fragments** *induced* in Drosophila melanogaster females. III. C (1) RA vs C (1) RM females. 039882
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of *puberty-induced* **gilts** following estrus synchronisation and artificial insemination. 034577
New criterion for estimating inhibition of initial plant **growth** *induced* with mutagens. 037321
Respiration of the cells of corn roots during deceleration of the rate of root **growth** *induced* by reduced temperature. 037587
Induction of **haploid** glycoprotein mating factors in diploid yeasts [Hansenula wingei]. 037103
Hormonal *induction* of acid phosphatase activity in salivary glands of larvae of Drosophila melanogaster during metamorphosis. 039694
Auxin-induced **hydrogen** ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and water stress [Oats]. 037528
Long term effect of onion on *experimentally-induced* **hypercholesteremia** and consequently decreased fibrinolytic activity in rabbits. 035322
Radiation-induced **increased** melanosis in crustacean shellfish [Shrimp, lobster]. 032902
Ultrastructure of *Rhizobium-induced* **infection** threads in clover root hairs. 038853
Light-induced **inhibition** of sporangial formation of Phytophthora infestans on potato leaves. 038583
Viral factors required for **interferon** *induction* by Newcastle disease virus in mouse macrophages and chicken embryo cells. 035112
Lime-induced **iron** chlorosis in groundnut: treatment and prevention [Deficiency diseases, peanuts]. 039050
Bowing in roof **joists** *induced* by moisture gradients and slope of grain [Wood]. 035889
We must keep the people in the country with the only *inducement* of a **larger** income approximating that earned in the cities [Cotton industry, economic aspects, Colombia]. 031233
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, *induced* by **low** doses of X-rays and nitrosomethylurea. 036670
Post-transcription control of isocitrate **lyase** *induction* in the eukaryotic alga Chlorella fusca. 037132
Autonomous and *induced* **mechanisms** of regulation of plant flowering. 036936
Effect of cold acclimation on changes in blood **metabolites** *induced* by high-fat diet. 032381
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS **[methyl** *methanesulfonate]-induced* dominant lethality in post-meiotic male germ cells [Mice]. 034758
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of *induced* **mitotic** recombination in diploid [Saccharomyces cerevisiae] yeast cells. 036515
Induction of **morphological** changes and the effect of induced changes on the fertilizing capacity of cock spermatozoa. 034650
Studies on spontaneous and *induced* **mutability** in pea mutants. 036528
Induction of CMS [cytoplasmic male sterility] in cotton by means of *radiation-induced* **mutagenesis.** 036520
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae **mutants** *induced* with manganese and cobalt. 036502
Electron-microscopic examination of maize sterile **mutants** *induced* by acridine dyes. 036703
The influence of calf thymus DNA and deoxyribonucleosides on the *induction* of different **mutation** types in Drosophila. 039744
Polyploidy and **mutations** *induced* in apricot by colchicine treatment. 036412
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of *induced* **mutations** [Yeasts]. 036675
Mycotoxin *induced* developmental abnormalities [Rats]. 035415
Experimental mutagenesis in apple. III. Morphological and genetic effects in Malus domestica, *induced* by **N-nitroso-N-methylurea.** 036672
Induction of **nondormant** mutants in black gram [Mungo beans]. 036569
Radiation-induced **numerical** aberrations in wild type Drosophila females. 039883
The *induction* of **obesity** in rodents by means of monosodium glutamate. 032190
Histological uterus examination of gilts for possibilities of earlier puberty and *induction* of **onset.** 034749
Studies into ways to *induce* the **onset** of puberty by means of heat and ovulation synchronisation [Swine]. 034753
Induction of **outgrowth** formation on storage roots of sweetpotato due to plant pathogenic bacteria. 038870
The effects of indoleamines (serotonin and melatonin) on *induction* of **ovulation** in rabbits. 034543
Induction of **ovulation** in hens by an analogue of LH-RH [luteinizing hormone, releasing hormone]. 034685
Induction of **parturition** in the mare with prostaglandin-F2alpha. 034728
Biogenesis of mitochondria. 43. A comparative study of **petite** *induction* and inhibition of mitochondrial DNA replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Photoperiodic *induction* of the diapause of the egg phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
Changes in phenolic content of gram [pea] **plant** *induced* by Ascochyta rabiei infection. 038677
Induced **polygenic** mutations in wheat (Triticum aestivum L.). 036496
Phytophthora root rot [Phytophthora megasperma] in seedingyear alfalfa as affected by management **practices** *inducing* stress. 038598
Prostaglandin *induced* parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, agalactia) syndrome. 034766
Investigations into **puberty** *inducement* with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of puberty induced gilts and fertility results following artificial insemination. 034575
Investigations into **puberty** *inducement* with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
"Closing volume" changes in *alloxan-induced* **pulmonary** edemain anesthetized dogs. 034007
The *induction* of **pyrimidine** dimers in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces cerevisiae [Yeasts]. 036557
The timing of pre-meiotic chromosome pairing and duplication in Glossina morsitans morsitans assessed by **radiation** *induced* mutations. 039688
Induced **resistance** from simultaneous inoculation of tomato with Fusarium oxysporum Sacc. and Verticillium albo-atrum Reinke & Berth [Wilt]. 038635
A genetic analysis of the nature of the **reversions** *induced* by ultraviolet light in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. 036664
Biochemical and cytological studies of mitochondrial development in *chloramphenicol-induced* **rice** coleoptiles. 037360
Problem of **salinity** *induced* putrescine formation in plants [Peas, maize]. 037142
Critical level of airborne sea **salt** *inducing* foliar injury to bean. 038992
Studies of FeSV [Feline sarcoma virus] *induced* **sarcomata** in sheep with particular reference to the regional lymphatic system. 035006
Hairy shaker disease: preliminary studies on the nature of the agent, and the *induced* **serological** response [Sheep]. 035161
Plant-induced **soil** chemical patterns in some shrub-dominated semi-desert ecosystems of Utah. 036222
Induced **somatic** pairing in Nigella sativa L. [Chromosomes]. 036459
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. **Specific** *induction* of recessive lethals in the absence of detectable chromosome breakage. 039881
Changes in protein amino acid composition in the seeds of an *induced* **spring** vetch mutant. 036461
Induction of **sterility** in male houseflies [Musca domesticus] by vapors of Acorus calamus L. oil. 039493
Presence of an *oviposition-inducing* **substance** in the anterior lobe of pituitary of the chicken. 034094
Megestrolacetat administered for *induction* of and **synchronization** of estrus in heifers. 034765
Unscheduled DNA **synthesis** *induced* in barley seeds by gamma rays and 4-nitroquinoline 1-oxide. 037483
Photoperiodic and **temperature** *induction* of egg diapause in Aedes caspius caspius Pall. (Diptera, Culicidae). 039500
Certain problems of nitrogen metabolism in plants [of kidney beans] under expansion of **tissues** *induced* by 2,4-dichlorophenoxyacetic acid. 037622
Soluble proteins and hydrolases during crown-gall [Agrobacterium tumefaciens] *induction* in the **tomato,** Lycopersicon esculentum. 038858
The *induction* of **transport** channels by auxin [Kidney beans]. 037818
Induction of **transport** of organic anions in Malpighian tubules of Rhodnius. 039847
Tritiated-thymidine *induced* changes in cell population kinetics in root meristems of Pisum sativum [Peas]. 039054
Effect of rifampin application time on crown-gall **tumor** *induction* by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. 038856
The influence of cyclic 3'5'-adenosine monophosphate on the *induction* of **tumour** transformation of carrot tissue. 037875
Induction of **udpglucose** dehydrogenase during development, organ culture, and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. 033801
Investigations on laboratory methods in estimating the resistance of potato selection materials to leaf roll virus *[induced* through **viruliferons** Myzus persicae]. 038933
Ethylene-induced **volatle** inhibitors causing soil fungistasis. 038754
A scanning electron microscope study of the structures of normal, tension and morphactin IT 3456 *induced* **wood** in Aesculus hippocastanum. 035703

INDUSTRIALISTS

Industrialists **constrained** to yield after absurd strong-arm tactics [Contract farming]. 031254

INERTIA

Preservation of food liquids under *inert* **gases.** 032907

INFANCY

Oral feeding versus total parenteral nutrition in low **birthweight** *infants.* 032427
Obesity and the question of cholesterol reduction in *infancy* and **childhood.** 032443

Pathological growth and maturation in *infants* and **children** associated with modern methods of feeding. 032218
Dietary cholesterol **control** - for all *infants?* 032361
The influence of dietary fat on the composition of the body **fat** of *infants.* 032432
Advertising and *infant* **feeding.** 032216
The unfavourable trend in *infant* **feeding.** 032219
Impact of food and water contamination on gestation and *infant* **growth.** 032044
Tetrahedron-packed milk for *infants*—a **method** for optimum infant nutrition [Bacteria, quality]. 032121
Effect of improved nutrition during pregnancy and lactation on developmental retardation and *infant* **mortality.** 032273
Tetrahedron-packed milk for infants—a method for **optimum** *infant* nutrition [Bacteria, quality]. 032121
Study of acceptability of fortesan nutriment (milk with soya flour) by the *infantile* **population** of Curico, Chile. 032312
Effects of zinc deficiency on the *infant* **rat** which are associated with abnormal adult behavior. 032275
Mother-infant **relationship** prior to the development of clinically severe malnutrition in the child. 032298
Changes in taste with age - *infancy* to **senescence.** 032241
Use of elemental diet and nitrogen balance studies in **severe** *infantile* protein-calorie malnutrition. 032327

INFECTION

Effect of **accute** *infection* and endotoxemia on zinc absorption in the rat. 032451
The effect of a long contact of the population of fleas [Xenopsylla cheopis] with plague Bacteria on the *infection* **activity** of vectors. 039503
An outbreak of Pseudomonas **aeruginosa** *infection* in mink in Hokkaido and inoculation with OEP vaccine. 035120
Fungicidal control of secondary **air-borne** *infection* of brown leaf spot of rice [Cochliobolus miyabeanus]. 038652
Biochemical changes in a resistant and susceptible variety of watermelon due to *infection* by **Alternaria** cucumerina. 038675
Effect of vitamin C on the immunological reactivity of animal **anaerobic** *infections.* 035204
Dwarf mistletoe **[Arceuthobium** *pusillum]-infected* [Pinus] ponderosa pines survive top-pruning. 039141
Artificial *infection* backgrounds in the development of field crops resistant to root diseases [Verticillium dahliae]. 038797
Variants of **artificial** *infection* of Culex modestus larvae with the entomopathogenic fungus Coelomomyces iliensis. 039895
Changes in proteins and free and total amino acids of peanuts (Arachis hypogaea) *infected* with **Aspergillus** parasiticus. 038582
THe characteristics of a new **Australian** *infectious* bronchitis virus [Poultry]. 035081
Experimental studies on the immunization of **avian** *infectious* bronchitis virus: immunogenicity of the CK attenuated virus. 035010
Market milk products, *infected* by **Bacillus** cereus in the dairy [Contamination]. 032122
The relative incidence and effect of **bovine** *infectious* keratoconjunctivitis in Bos indicus and Bos taurus cattle. 034979
Conventional milking machines and the risk of *infection* of the **bovine** mammary gland. 035004
Experimental production of *infectious* **bovine** keratoconjunctivitis: comparison of serological and immunological responses using pili fractions of Moraxella bovis. 035030
The prevalence of antibodies to bovine virus diarrhoea and *infectious* **bovine** rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163
Morphological picture of testes of **bulls** *infected* with microorganisms of the genus Chlamydia. 035009
Serological survey of *infectious* **bursal** disease [Chickens]. 035085
Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of **calves** *infected* experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
Capillaria *infection* in a pig. 035158
Ultrasonic treatment of **cells** *infected* with myxomatosis virus. 034985
Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from **cells** *infected* with pig herpes virus 1. 035216
Electron microscopy of some grasses and **cereals** *infected* with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. 038919
Post-infection **changes** in amino-acid contents of leaves of Mimusops hexandra infected by Pestalotiopsis neglecta. 038707
Studies on alfalfa grown after cutting dodder (Cuscuta) *infection:* **changes** in content and nature of phenolics [Weed control]. 039134
Temperature sensitivity studies on selected strains of Mycoplasma gallisepticum *[Infected* **chicken** flocks]. 035036
Pathogenicity and control of root-knot nematodes (Meloidogyne spp.) *infecting* **chickpea.** 039037
Changes in amino acids, carbohydrates and capsaicin content of red fruits of **chillies** *infected* with Colletotrichum piperatum. 038676
Transformation of ultrastructure of grape leaves under the effect of *infectious* **chlorosis** virus. 038941
Cytological characteristics of bovine kidney cell culture **chronically** *infected* with foot-and-mouth disease virus. 035279
Immune responses to *infections* with **coccidia** [of Eimeria acervulina] in chickens: gut hypersensitivity. 035181
The effect of weather conditions on *infection* by **coffee** berry disease [Colletotrichum coffeanum]. 038740
Complement-binding activity of immunoglobulins of sera of blood and ewe **colostrum** *infected* with sheep abortion virus. 035202
The *infection* of **Corsican** pine [Pinus nigra poiretiana] by Crumenula sororia Karst. 038620
Spectral reflectance studies on healthy and *fungus-infected* **cotton** and corn plants in Egypt. 038757
Infectious **disease** from food. 032030
Infectious **diseases** from water. 032031
Heredity and *infectious* **diseases** of domestic animals [Resistance breeding]. 034564
Some *[infectious]* **diseases** fo free-living wildlife. 034966
Summer vaccination [Mink, *infectious* **diseases].** 035054
The failure of allogeneic cells to maintain an immume response in nude mice *[Infectious* **diseases].** 035200
Curative and prophylactic measures taken in a poultry factory *[Infectious* **diseases,** Kuibyshev Region]. 035233
Protection of the air basin of large livestock farms and poultry factories [Control of *infectious* **diseases** and of air pollution]. 035252
A contribution to the occurrence of fetal hepatopathies in cattle *[Infectious* **diseases,** Aspergillus fumigatus]. 035257
Landscape epidemiology (epizootiology) *[Infectious* **diseasesof** domestic and wild animals]. 034964
Is the **dog** *infected* by oxyurid nematodes? [Enterobius vermicularis]. 034983
Effect of host's nutrition [Rabbits] on immune response to amoebic antigen & on susceptibility to *infection* with **Entamoeba** histolytica. 035075
Salmonella **enteritidis** *infection* in rats: antigens involved in cell-mediated immunity. 035000
Equine *infectious* anemia [Virus]. 034963
The role of phytoalexin as the inhibitor of *infection* **establishment** in plant disease [Peas, Erysiphe]. 038756
Observations on an **experimental** *infection* of baby chicks with tenosynovitis virus. 035045
Preventive effect of a mixture of sulfamonomethoxine and pyrimethamine on swine against **experimental** *infection* with Toxoplasma oocysts. 035121
Persistence of foot-and-mouth disease virus in **experimentally** *infected* jackdaws. 035250
Feline *infectious* peritonitis: a review [Cats]. 035160
Filarial *infections* of dogs in the Zaria area. A microfilarial survey. 034994
Ultrastructure of white-streaked dendrobium phalaenopsis orchid **flowers** *infected* with a rhabdovirus. 038925
On the mechanism of chronic **foot-and-mouth** *infection* of cell cultures with specific resistance to the virus. 035207
Quantitative studies on Heterakis **gallinarum** *infections* in the common fowl, Gallus gallus L. 035113
Cytopathology of large cardamom and **ginger** *infected* with wheat mosaic streak virus. 038680
Stimulators of growth of gall tissues in *Phylloxera-infected* **grape** plants. 039364
Effect of **grapevine** *infectious* chlorosis virus on protein metabolism in the plant. 038899
Post-infection changes in amino-acid contents of leaves of Mimusops **hexandra** *infected* by Pestalotiopsis neglecta. 038707
Epidemiological studies on **horses** *infected* with nematodes of the family Trichonematidae (Witenberg, 1925). 035092
The structure of pili (fimbriae) of Moraxella bovis [Bacteria pathogenic to animals, *infectious* **keratitis].** 035039
Effects of **leaf** *infections* by Septoria nodorum Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in spring wheat. 038570
Content of nucleic acids and protein in wheat **leaves** *infected* with rust [Puccinia graminis]. 038798
Mineral composition of canker, halo and green regions of citrus **leaves** *infected* by Xanthomonas citri. 038862
Activity and localization of succinyl-conzyme A synthetase in tobacco **leaves** *infected* with tobacco mosaic virus. 038900
Production of cellulose microfibrils by Rhizobium *[Infection* of **legumes].** 037355
Mosquitoes, arboviruses and vertebrates *[Infections* of **man].** 039459
Infectious **mastitis** in the Novy Jicin district. 035264
Improvement of natural **meadows** *infected* with field horsetail (Equisetum arvense). 039090
An entomological contribution to the problem of *fly-infected* **meat.** A few biological data on Piophila and Calliphora. 031996
Aseptic milking by implanted cannulae as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence **mechanisms** against *infection.* 035003
The histopathology of experimental disease produced in **mice** *infected* with Trypanosoma vivax. 034956
Cortisone-resistant effector T cells in acute lymphocytic choriomeningitis and Listeria **monocytogenes** *infection* of mice. 034999
Aedes hendersoni: failure of *laboratory-infected* **mosquitoes** to transmit LaCrosse virus (California encephalitis group). 039473
To protect rabbits against **myxomatosis** *infection.* 035002
Leptospirosis of sheep; **natural** *infection* by the serotype Leptospira hardjo [Abortion]. 034984
Natural *infection* test with sugarcane mosaic virus. 038891
Natural *infection* of Aedes (Stegomyia) herbrideus by a Coelomomyces [finlayae] in New Hebrides. 039443
Immunization against Q-fever of **naturally** *infected* dairy cows. 034959
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from **naturally** *infected* sheep, and peritoneal macrophages from normal guinea pigs. 034980
The indirect hemagglutination test for the detection of antibodies in cattle **naturally** *infected* with mycoplasmas. 035037
The effect of fenbendazole (Panacur) in sheep **naturally** *infected* by gastrointestinal and lung nematodes [Anthelmintics]. 035229
Epidemiology of Vibrio **parahaemolyticus** *infection* in humans[Raw fish, shellfish, and cucumbers in brine]. 032111
Number and percentage of some *infectious* and **parasitic** diseases experienced by slaughterhouses, 1971-1973. 035065
Infection and **pathological** histology of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
Comparison of RNA polymerase associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from **persistently** *infected* L cells. 035130
Cat bite transmission of Yersinia **pestis** *infection* to man. 035125
A method of quantification of the *infection* **phenomenon** in blast disease [Pyricularia oryzae] of rice for the use in genetical studies. 038669
Small spherical virus particles found in rice **plants** *infected* with the "waika" disease. 038885
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) *infecting* **Polygramma** undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365
Post *infection* changes in nitrogen metabolism in virus infected Carica papaya L. [Papayas]. 038905
Some biochemical alterations in sheep **pox** *infected* lamb testicular cells. 035076
A comparison between host density and inoculum density effects on the frequency of **primary** *infection* foci in Pythium [irregulare]-induced damping-off disease [of garden cress seedlings]. 038576
Infection of **Pythium** arrhenomanes in vitro with tobacco mosaic virus and tobacco necrosis virus. 038946
Immunodiffusion and electrophoretic analysis of antigens from Strongyloides papillosus [obtained from *infected* **rabbits].** 035008
Changes in phenolic content of gram [pea] plant induced by Ascochyta **rabiei** *infection.* 038677
Histopathology of fennel [Foeniculum vulgare] *infected* by **Ramularia** foeniculi. 038653
Fleas [Siphonaptera] of Citellus fulvus Licht. And their *infection* **rate** with the plague agent over the territory of Kazakhstan and Central Asia. 039498
Applications of mineral oils for deterring potato virus Y *infections* in **redpepper** crops. 038934
Ultrastructure of **Rhizobium-induced** *infection* threads in clover root hairs. 038853
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [rice tungro virus] *infected* **rice** varieties. 038909
The interaction between foot **rot** *infection* and yield components of winter wheat in dependance on cultivation techniques. 038833
Yield response of resistant and susceptible cucumber cultivars to **scb** *infection* [Cladosporium cucumerinum]. 038636
Protein and amino acid changes in peanut (Arachis hypogaea L.) **seeds** *infected* with Aspergillus oryzae. 032341
Perpetuation of Pyricularia oryzae Cav. Through *infected* **seeds** in Vidarbha region [Rice]. 038702
Observations on the development of Haemonchus contortus in young sheep given a **single** *infection* [an intestinal nematode]. 035182
Exungulation of all extremities in a female elephant in consequence of a **smallpox** *infection.* 035155
Loose smut [Ustilago nuda] of barley: the embryo test as a means of assessing loose **smut** *infection* in seed stocks. 038792
Reliability of the enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of Trichinella **spiralis** *infections* in conventionally raised pigs. 035118
Multiple forms of endo-pectate lyase formed in culture and in *infected* **squash** hypocotyls by Hypomyces solani f. sp. cucurbitae. 038770
Some observations on assessing Phoma betae [blackleg] *infection* of **sugarbeet** seed. 038567

Control of Haemophilus **suis** *infection* in swine. 034976
Changes in phenolic compounds of **sunflowers** *infected* by Plasmopara halstedii. 038581
Changes in the chlorophyll, plastoquinones and ubiquinone content of the peach leaves (cv. Elberta) *infected* by **Taphrina** deformans (Berk.) Tul. 038758
Infectious **tenosynovitis:** immunization experiments with a viral isolate [Chickens]. 035044
Two *infection* sites of Hypoxylon mammatum in trembling aspen (Populus tremuloides) [Saperda concolor]. 038589
Examination of the metabolism index of Salmonella **typhimurium** *infected* goose eggs. 034967
Electron microscope examination of **Tyuleniy** *virus-infected* chick fibroblast cells. 035281
Chronic relapsing stomatitis in a cat associated with feline leukemia **virus** *infection.* 035061
DNA polymerase in pseudorabies **virus** *infected* cells. 035109
The inhibitory activity of alginic acid against tobacco mosaic **virus** *infection.* 038886
Brinjal [eggplant] leaf extract induced resistance to **virus** *infection* in plants. 038904
Post infection changes in nitrogen metabolism in **virus** *infected* Carica papaya L. [Papayas]. 038905
Biochemical changes in leaves of different rice varieties due to tungro **virus** *infection.* 038908
Replication of a nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the **virus** *infection.* 039866
Survey of **viruses** *infecting* Daphne in New Zealand. 038929

INFESTATION

Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on **artificially** *infested* weeds, plant residues and soils. 038852
Natural enemies of Trogoderma granarium **everts** *infesting* wheat in the rural stores in the Punjab. 039427
Study of rickettsioses in Slovakia. II. *Infestation* of **fleas** and mites in mole nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. 039472
Dynamics of complement-linked antibodies in Nuttalia *[equi]infestation* and the **freeing** of the horses from the pathogen. 035237
Infestations by **insects** and mites of [forest] trees and shrubs in 1974. 039405
Preventing **mice** *infestations* [in bakery]. 032015
Phalaris **minor** *infestation* is increasing in Punjab. 039166
The effects of cooling on **mite** *infestations* in bulk grain. 039418
The origin and sources of **mite** *infestation* of stored grain and related products in the Republic of Ireland. 039419
The chemical control of **mites** *infesting* Freesia corms and Narcissus bulbs [During storage]. 039416
Alarming wild **oats** *infestation* of wheat in Punjab. 039163
Some possible effects of dung beetle activity on the *infestation* of **pastures** by intestinal worm larvae of cattle. 039469
Pest *infestation* [Coleoptera, Lepidoptera] in stored mushroom. 039434
Light-induced inhibition of sporangial formation of **Phytophthora** *infestans* on potato leaves. 038583
Dry rot **[Phytophthora** *infestans]* of potatoes is very serious. 038627
The relation of rainfall, relative humidity and temperature to late blight **[Phytophthora** *infestans]* of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Involvement of DNA in resistance of potatoes to invasion by **Phytophthora** *infestans.* 038755
Yield losses in maize caused by different levels of *infestation* of **second-brood** European corn borers [Ostrinia nubilalis]. 039288
Let us close the discussion on **Varroa** *infestation* [of honeybees]. 040261
Reaction of sweet potato varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of *infestation* by **weevil.** 039351

INFILTRATION

Applicability of some *infiltration* **formulae** to rangeland infiltrometer data. 038051
Experimental results of a two-year comparative irrigation research program between the drip-method and the side *infiltration* **method** [Tomato yields]. 041342
Infiltration of **organic** phosphate compounds in soil. 041041
Stability analysis of *infiltration* [in **soil**]. 040776
The growth of disturbances in **unstable** *infiltration* flows [in soil]. 040778

INFILTROMETER

Applicability of some infiltration formulae to **rangeland** *infiltrometer* data. 038051

INFLAMMABILITY

Meeting the **mattress** *flammability* standard with treated cotton batting. 031956

INFLAMMATION

The use of radioactive microspheres to quantitate hyperemia in **dermal** *inflammatory* sites [Guinea pigs, rabbits]. 034157
Patho-physiological studies on microcirculatory disturbance in *inflammation:* **Isolation** and characterization of vascularpermeability factors derived from guinea pig PMN [polymorphonuclear]-leukocytes [Rabbits]. 035304

INFLATION

Inflation and **agriculture.** 031493
Agriculture and *inflation.* 031629
Summary of main consequences of *inflation* on **agriculture,** food and farming. 031643
Views of the American Meat Institute on *inflation* in the **agriculture** and food industry. 031645
Inflation: **causes,** impacts on agriculture, farming and food, suggested policies. 031634
Inflation—Its **causes,** its effects and its cure. 031636
Main **causes** of *inflation.* 031638
Combating *inflation* [Food prices]. 031631
Inflation-causes, **consequences** and controls [Food prices]. 031635
Inflation: Can we **control** it? [Agricultural prices]. 031633
Policies and practices in the private non-agriculture and non-food economic sector to **control** *inflation.* 031641
Actions in the private economic sector of agriculture, farming and food to **control** *inflation.* 031836
Government policies and actions to **control** *inflation.* 031837
Controlling *inflation.* 031632
Inflation and **fictitious** profits [Agribusiness]. 031411
Some thoughts on *inflation* **[Food** prices]. 031642
Inflation in our **industry!** [Costs, horticulture]. 031508
Paper on *inflation* **[Prices].** 031640
The general financial overview and implications to the livestock industry **[Prices,** *inflation].* 031715
Inflation—**probable** causes and possible cures [Agricultural prices]. 031637
Our love-hate **relationship** with *inflation.* 031639
Causes and effects of [agricultural] *inflation* and **suggested** corrective actions. 031630

INFLORESCENCE

Poly (G) synthesizing activity in soluble chromatin isolated from **cauliflower** *inflorescence.* 037783
Water deficit and *inflorescence* **development** in Zea mays L. [Maize]. 037350
Influence of environmental factors on bud burst, *inflorescences,* **fertility,** and shoot growth of vines. 037882
Developmental studies in Ptychosperma (Palmae). I. The *inflorescence* and the **flower** cluster. 036265
Glume of maize Zea mays L. **Male** *inflorescence* damaged by Sorosporium reilianum (Kuehn) Mc Alpine. 038580

INFLUENZA

Animal *influenza* [Virus diseases]. 035072
An in vivo study of the action of type A2 *influenza* **virus** on the chromosomes of animal cells 034600

INFORMATION

Information in **agriculture:** technical assistance and popularization. 031091
Proposed for an **audiovisual** *information* system in agriculture. 031013
Area as an *information* **clearinghouse** [for research in arboriculture]. 038392
Information **concerning** seed inspection [Field crops]. 033298
Molecular size and the *information* **content** of chloroplast DNA s from higher plants. 036314
Important and **current** *information* on foulbrood and acarine disease [of Apis mellifera] 040204
Compiling preliminary foundation data with photointerpretation and **existing** *information* on soils and geology. 040709
Analysis of *information* **flow** at the republic level in the administration of state farm production of Ukraine. 031388
General *information* on agricultural equipment and agriculture. 040461
Structure and function of the **genetic** *information* in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394
More efficient control activities by an **improved** *information* system [Cooperatives]. 031249
[Agricultural] *information* **networks:** technology, input and output mechanisms. 031007
New *information* on virus paralysis of bees [Apis mellifera]. 040272
Expressed **nutrition** *information* needs of low-income homemakers. 032685
Analysis and control of the projection of **ocellar** *information* in the brain of cockroaches [Periplaneta americana, Blabera fusca]. 039650
Partition of *information* [in **plant** sciences]: some formulae revisited. 035911
Practical *information* about tasks of veterinary service in sheep husbandry. 034943
Some *information* on **rearing** of turkey hens. 033691
Agricultural **research** *information* support at Kentucky State University. 031001
Techniques of **researching** *information* for the development of a manual to vegetate soils of low productivity disturbed by construction activities. 041183
States vary in *information* **support** for [agricultural] extension and research programs. 030992
Some *information* of **swine** fattening in the Jindrichuv Hradec district. 034518
Concept of organization of an *information* **system** for agriculture. 031121
A network for **technological** *information* transfer in developing countries. 031840
Information on **wing-reduced** Diptera in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165

INFRARED

Annotated bibliography on the use of light (UV [ultraviolet], visible and IR *[infrared])* in **assessing** the quality, maturity or defects in fruit and vegetables, 1967-1974. 033445
Chloroplast fluorescence of C4 [carbon] plants. I. Detection with *infrared* **color** film. 037206
The use of **color** *infrared* photography for the determination of suspended sediment concentrations and source areas [Watersheds]. 041396
Infrared and **Raman** spectra [for identifying organic compounds] of maltooligosaccharides [in cereals]. 033204
Studies and considerations on the influence of insecticides on the process of autoxidation. VII. *Infrared* **spectroscopic** changes of lipids due to Autoxidatin and their evaluation. 039540
Infrared **study** of exchangeable cation hydration in montmorillonite. 040763

INFUSION

Continuous *infusion* of follicle stimulating hormone for follicular growth in embryo transfer heifers. 034722

INGESTION

90SR-90Y [strontium-yttrium isotope] dose distribution in Beagles: injection relative to *ingestion* **[Dogs].** 033915
Notes on the role of ticks feeding on lagomorphs and *ingestion* of **ticks** by vertebrates in the epidemiology of Rocky Mountain Spotted Fever. 039482
Effects of the *ingestion* of **vitamin** E with vitamin A on serum levels and urinary creatine/-creatinine in children with cystic fibrosis. 032274

INGREDIENTS

Confectionery *ingredients.* 6. Lipids. 032774
Utilizing the independent [food] research organization to extend uses for a **cost-cutting** *ingredient.* 032816
Milk sugar, an *ingredient* of **fat-free** milk solids for ice cream manufacture. 033036
Collective terms for **feed** *ingredients* [Association of American Feed Control Officials]. 033562
Using rapeseed meal as a **feed** *ingredient* for pigs. 034253
Rubber seed meal as a potential **feed** *ingredient* for poultry. 034387
Leaf protein: scant research despite economic potential [as **food** *ingredient].* 032814
Thermal analysis for rapid, precise testing of **food** *ingredients.* packaging materials. 032815

INHABITANTS

Osmoregulation in Trichocorixa verticalis interiores Sailer (Hemiptera, Corixidae)—an *inhabitant* of **Saskatchewan** saline lakes, Canada. 039663

INHALATION

144Ce [cerium isotope] in tissues of Beagle dogs after *inhalation* of **CeCl3** [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413

INHERITANCE

Inheritance of some **characters** and properties in sunflower (Helianthus annuus L.). 036497
Color *inheritance* in Sokol sheep. 034814
Cytoplasmic *inheritance* and mitochondrial genetics in yeasts [Saccharomyces cerevisiae] 036584
Inheritance of **earliness** components in a tomato diallel cross including Lycopersicon pimpinellifolium mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. 036478
Young farmers and the structure policy [Land tenure, *inheritance,* **family** farms]. 031092
Inheritance of **flour** protein content in a wheat cross between C 273 X S 308 [Varieties]. 036605
The *inheritance* of **genes** in mitchondria and chloroplasts [Plants, animals]. 036398
Inheritance of **growth** habit components in self-pruning tomatoes. 036476
Chondrodystrophy: an *inherited* **lethal** condition in turkey embryos. 035345
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. **Mechanism** of *inheritance.* 036500
An *inherited* **"neoplasm"** in a fungus [Schizophyllum commune]. 036622
The *inheritance* of **penicillin** titre in crosses between lines of Aspergillus nidulans selected for increased productivity. 036567
Inheritance of **pericarp** thickness in short season maize inbreds. 036409
Role of single chromosomes of Agropyron glaucum X genone in the *inheritance* of the **physiological** basis of winter hardiness. 036526
The *inheritance* of **resistance** to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. 036500
The *inheritance* of **resistance** to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
The *inheritance* of **resistance** to eyespot (Cercosporella herpotrichoides) in wheat. 036503

Inheritance of **resistance** to bacterial leaf blight [Xanthomona oryzae] in rice. 038865
Inheritance of **resistance** to cowpea chlorotic mottle virus (soybean strain) in soybeans. 038895
Inheritance of **seed** germinating capacity and rate at 26 and 11 degrees Centigrade in F1 tomato interspecies hybrids. 036477
Short internode character in **soybeans** and its *inheritance*. 036456
Inheritance of **split-corolla**, a developmental instability in Nicotiana [Tobacco]. 039196
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. *Inheritance* of the **yellow** and red colors of the grain. 036692

INHIBITION

Localization of *growth-inhibiting* **action** of aluminium ions in elongating cell walls [Pea roots]. 037706
Investigation of interrelationship between the *inhibitory* **activity** of milk with different beta-lactoglobulin types and the resistance of cows to mastitis. 034627
Carboxypeptidase inhibitor from potatoes. The effects of chemical modifications on *inhibitory* **activity**. 037646
The *inhibitory* **activity** of alginic acid against tobacco mosaic virus infection. 038886
Mode of yeast [Saccharomyces cerevisiae] *inhibition* by A-435 **antibiotic**. 036317
Inhibition, by the **anti-oestrogen** MER-25, of defeminization induced by the synthetic oestrogen RU2858 [Rats]. 034670
Inhibition of **bovine** factor IXalpha and factor Xalpha-beta by antithrombin III. 033781
Inhibition of **cellular** protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Chemical *inhibition* of Ceratocystis ulmi growth. 038678
Cumene hydroperoxide-mediated formation of *inhibited* **complexes** of methylenedioxyphenyl compounds with cytochrome P-450 [Insecticide synergists]. 039595
Studies on phenonal related **compounds** *inhibiting* the growth of lactic acid bacteria. II. Substances in green tea inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
Neuronal activity in the lateral vestibular nucleus of the cat. V. Topographical distribution of *inhibitory* **effects** mediated by the spino-olivocerebellar pathway. 034133
Enhanced *inhibition* of RNA synthesis by amanitins in in vitro cultured cells [Amanita phalloides, poisonous fungi]. 036925
New criterion for **estimating** *inhibition* of initial plant growth induced with mutagens. 037321
Inhibition of **fungicidal** action of cyano (methylmercuri) guanidine by cysteine and glutamic acid [of Sclerotium rolfsii]. 038697
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, Paspalum notatum] *inhibiting* the **growth** of banana. 039136
Existence of a follicle-stimulating **hormone** *inhibiting* factor 'inhibin' in bull seminal plasma. 034763
Formation persistence of *latex-agglutination-inhibiting* **IgG**- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
Light *inhibits* the labelling of gangliosides in chicken retina. 034113
Light-induced *inhibition* of sporangial formation of Phytophthora infestans on potato leaves. 038583
Studies on the evaluation of the **measles** *haemagglutination-inhibition* test for rinderpest in Gujarat State [Cattle]. 035086
Inhibition of **6-methylsalicylic** acid synthesis by the antibiotic cerulenin [Penicillium urticae, fungi]. 037017
Microbial *inhibition* by an isolate of Pediococcus from cucumber brines. 031950
Microbial *inhibition* caused by p-hydroxybenzoate esters in wine. 033323
Skin reaction and macrophage **migration** *inhibition* tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
Biogenesis of mitochondria. 43. A comparative study of petite induction and *inhibition* of **mitochondrial** DNA replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Stimulatory processes of the exocrine pancreas and their *inhibition* by a **non-penetrating** SH [sulfhydryl]-reagent. 033961
Potentiation by urethane and *inhibition* by **pentobarbitone** of oxytocin release in vitro [Rats]. 034056
Some observations on a **perigo-type** *inhibition* of Clostridium botulinum in a simplified medium [Food contamination]. 032097
Inhibition of **3-phosphoglycerate** dehydrogenase from Pisum sativum [peas] by pyridoxal 5'-phosphate and by pyridoxamine 5'-phosphate. 037872
Inhibition of **plasmin-mediated** fibrinolysis by vitamin E. 032396
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. *Inhibition* of **RNA** and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Phosphodiesterases from porcine coronary arteries: *inhibition* of **separated** forms by xanthines, papaverine, and cyclic nucleotides. 034106
Mitochondrial malate dehydrogenase of bovine cerebrum. Characterization and mechanisms of *inhibition* by **silver** ions. 034029
Presence of *inhibiting* **substances** in the meat and organs of livestock killed in a sanitary slaughterhouse. 034944
Stabilization of harvest of the [grape[variety Neuburger by means of *inhibiting* **substances** and spraying with ammonium molybdate. 038412
The effect of protein **synthesis** *inhibition* by cycloheximide on the fractionation of chloroplast structural elements [Barley]. 037400
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in green **tea** *inhibiting* the growth of [Leuconostoc mesenteroides P-60]. 2. 032848

INHIBITORS

Effect of germination on the carbohydrates, proteins, trypsin inhibitor, **amylase** *inhibitor* and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Carboxypeptidase *inhibitor* from potatoes. The effects of chemical modifications on inhibitory activity. 037646
Synthesis of aflatoxins by the non-growing mycelia of Aspergillus parasiticus and the **effect** of *inhibitors*. 037053
The growth inhibitors in sugarbeet seed balls. II. Isolation of potassium nitrate as the **germination** *inhibitor* and hypocotyl stimulating substance. 037545
The effect of phytohormones and *inhibitors* on the **growth** of pea and wheat dwarfs during presowing treatment of seeds. 037399
Sucker control: a review of experimental work 1966-1974 [Tobacco **growth** *inhibitors]*. 037487
The **growth** *inhibitors* in sugarbeet seed balls. II. Isolation of potassium nitrate as the germination inhibitor and hypocotyl stimulating substance. 037545
Determination of the content of natural **growth** *inhibitors* of the potato tuber-caffeic acid and scopoletin. 037636
Could the seeds [of winter wheat] treated with [the **growth** *inhibitor]* Tur be stored for a long time? 038191
The role of phytoalexin as the *inhibitor* of **infection** establishment in plant disease [Peas, Erysiphe]. 038756
Double-headed protease inhibitors from black-eyed peas. V. Analysis of the energetics of *protease-inhibitor* **interactions**. 037772
Inhibitors of **macromolecular** synthesis in yeast. 037104
Effect of **metabolic** *inhibitors* on the preservability of baker's yeast [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase activity during its storage. 032864
Effect of bacterial & fungal extracts & **metabolic** *inhibitors* on excystment of soil amoebae. 040659
Synthesis and biological activity of some cystine peptides from the active center of the basic trypsin inhibitor from bovine **organs** *(Kunitz-Inhibitor)*. 033922
Effects of injections of monoamine **oxidase** *inhibitor* or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667
Effect of **pepsin** *inhibitor* (S-PI) [Streptomyces naniwaensis] on the growth and carotene formation of Rhodotorura glutinis [Yeasts]. 037005
The relation of pigment composition in algae mutant cells to their resistance to *inhibitors* of **photophosphorylation**. 036976
Double-headed **protease** *inhibitors* from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Double-headed **protease** *inhibitors* from black-eyed peas. II. Structural studies by optical absorption and circular dichroism. 037769
Double-headed **protease** *inhibitors* from black-eyed peas. III. Subunit enteractions of the native and half-site chemically modified proteins. 037770
Double-headed **protease** *inhibitors* from black-eyed peas. IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. 037771
Double-headed **protease** *inhibitors* from black-eyed peas. V. Analysis of the energetics of protease-inhibitor interactions. 037772
Double-headed **protease** *inhibitors* from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
Gamma-irradiation of lima bean **protease** *inhibitor* in dilute aqueous solutions. 037826
Purification and properties of **proteinase** *inhibitors* from the albumin of the eggs of certain species of birds [Chickens, quail]. 033119
The amino acid sequence of the double-headed protein **proteinase** *inhibitor* from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Isolation of a low molecular weight active fragment of potato **proteinase** *inhibitor* IIb. 037766
Purification and characterization of **proteinase** *inhibitors* from adsuki beans (Phaseolus angularis). 037767
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit **ripening** *inhibitor]* tomato mutant [in storage]. 033388
Results of tests for *inhibitors* in **slaughter** swine. 033903
The action of some *inhibitors* and **stimulators** of phosphodiesterase and adenylate cyclase on electrolyte and enzyme secretion by the pancreas [Cyclic adenosine monophosphate]. 033944
Effect of DNA **synthesis** *inhibitor* 5-aminouracil on the mitotic cycle of sprouting seeds of Crepis capillaris L. 036369
Effect of germination on the carbohydrates, proteins, **trypsin** *inhibitor*, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Synthesis and biological activity of some cystine peptides from the active center of the basic **trypsin** *inhibitor* from bovine organs (Kunitz-Inhibitor). 033922
The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory **trypsin** *inhibitors*. 033923
Determination of the **trypsin** *inhibitor* in [pea] seeds. 037821
Stability and specificity of protein-protein interactions: the case of the **trypsin-trypsin** *inhibitor* complexes [Soybeans]. 037481
Ethylene-induced **volatile** *inhibitors* causing soil fungistasis. 038754

INJECTION

Respiratory effects of H+ [hydrogen ion] and **dinitrophenol** *injections* into the brain stem subarachnoid-space of fetal lambs. 033849
Fungicide *injection* for the control of Dutch elm disease [Ceratocystis ulmi]. 038618
The influence of **intracoelomal** *injections* of solutions and suspensions on the phagocytosis with larvae of the wax moth, Galleria mellonella (L.). 039644
Effect of **intraperitoneal** *injections* of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400
Disinfection of clay soil using the *injection* **method** [Spraying equipment]. 040499
Effects of *injections* of **monoamine** oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667
Effect of **oxytocin** *injection* on the rabbit testis homogenate oxytocic activity. 034587
Release of FSH [follicle-stimulating hormone] from the pituitary of the hen following an *injection* of **progesterone**. 034095
Studies of *injected* **237Pu(IV)** [plutonium isotope] citrate in Beagles [Dogs]. 033912
90SR-90Y [strontium-yttrium isotope] dose distribution in Beagles: *injection* **relative** to ingestion [Dogs]. 033915
Tree *injection*—new application technique [Disease control]. 038975

INJURY

Chinchillas. XXII. [**Diseases,** *injuries]*. 034930
Modification of the *injurious* **effect** in the gamma irradiation of seeds of radiosensitive and radioresistant crops. 036630
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and birch [Betula verrucosa] leaves to detect "hidden" **fluorine** *injury*. 038973
Critical level of airborne sea salt inducing **foliar** *injury* to bean. 038992
Researches regarding **frost** *injury* on tea plants in ShizuokaPrefecture in 1972. 039047
Plant attack by air pollution: Minnesota **impacts** *[Injuries]*. 039036
Insect *injuries* of cereal grains [Storage pests]. 039413
Four cases of traumatic **intestinal** *injuries* in dogs. 035420
Determination of losses of the potato yield due to Phytophthora by the dynamics of *injuries* on **leaves**. 038799
Cell isoperoxidases in sweetpotato plants in relation to **mechanical** *injury* and ethylene. 037809
Control of snow and field **mice** *injuries* to fruit orchards [Grapes, persimmons]. 039023
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of *injury*, **ontogenetic** status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive **organs** *[Injuries]*. 035413
Impact of air pollution on the growth of ponderosa pine [**Pinus,** *injuries]*. 035466
Biochemical activity of polluted soil [**Plant** *injuries*, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. 040811
Response of plant fruiting to hydrogen fluoride fumigation [**Pollution** *injuries]*. 038958
Effects of oil spill on the shore vegetation [**Pollution** *injuries]*. 038961
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and chickens and oviparity of hens [**Radiation,** *injuries]*. 034166
The action of small radiation doses on spermatogenesis [Dogs, **radiation** *injuries]*. 034792
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [**Radiation** *injuries]*. 035435
Copper and iron content of tissues of X-irradiated rabbits [**Radiation,** *injuries]*. 035436
Thrombocytes and coagulation of blood in cows affected by a mixture of nuclear fission products [**Radiation** *injuries]*. 035438
The effect of caffeine on the survival and recovery of irradiated yeast cells [**Radiation,** *injuries]*. 037250
On the part played by tocopherol in **radiation** *injury* in Pisum sativum [Peas]. 039055
Injury and **size** of barley seed as affecting its biological activity. 037553
Copper **spray** *injury* and correction of citrus maladies. 038969
Chinchillas. XXVI. *[Injuries,* **vices**]. 035450

INNOVATION

6 **blocks** to *innovation*. 032611
Process, **package** *innovations* open markets for fabricated steaks in retail, foodservice outlets. 033079
Procedural *innovations* in revisionary studies: computer-assisted citation of representative specimens [Use in plant taxonomy]. 036054

INOCULATION

Appraisal of the effectiveness of treating pine stumps by **artificial** *inoculation* with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. 038814
Influence of the tobacco mosaic virus (TMV), **artificially** *inoculated*, on yields of Virginia tobacco. 038938
Enhancement and interference in **chickens** *inoculated* with Marek's disease herpesvirus and oncornaviruses. 035189
A comparison between host density and *inoculum* **density** effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of garden cress seedlings]. 038576
A method of tracing **fungi** *inoculated* into the stems of living maple [Acer saccharum, Coniochaeta velutina]. 038578
Chemical treatment and *inoculation* of **hardwood** stumps for control of Armillaria mellea. 038565
Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of virus particles recovered from *inoculated* **leaves.** 038926
A method of culturing Rhizobium meliloti on porous granulesto form a *pre-inoculant* for **lucerne** seed. 040665
Contribution to the methods of Sclerotinia sclerotiorum (Libert) **Masse** *inoculation* of sunflower. 038783
Several tests of **mycorrhizal** *inoculations* [Forest nurseries, propagation]. 035645
The effect of *inoculation* [with **nodule** bacteria] on the assimilation of hardly accessible sources of phosphorus by soybeans. 037960
An outbreak of Pseudomonas aeruginosa infection in mink in Hokkaido and *inoculation* with **OEP** vaccine. 035120
Estimating the efficiency of **partial-vacuum** *inoculation* of barley with Ustilago hordei [covered smut]. 038766
Infection and pathological histology of pigeon pea (Cajanuscajan (L.) Millsp.) **plants** *inoculated* with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
Physiological and biochemical changes in tobacco plants after their *inoculation* with **potato** Y virus (Solanum virus 2 Smith). 038898
Problems on the **preventive** *inoculation* against canine distemper. 035122
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in **rabbits** *inoculated* with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
Lentil yield increases with **Rhizobium** *inoculation*. 038127
Detection and location of **seed-borne** *inoculum* of Ascochyta rabiei and its transmission in chickpea (Cicer arietinum). 038788
Induced resistance from **simultaneous** *inoculation* of tomato with Fusarium oxysporum Sacc. and Verticillium albo-atrum Reinke & Berth [Wilt]. 038635
Interrelationships of seedling age, *inoculum*, **soil** moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Soil *inoculation*—good insurance [Rhizobium japonicum]. 040838

INORGANIC

The effect of regular annual dressing on phosphates in strongly leached Chernozem. I. Changes in the supply and forms of **active** *inorganic* phosphates. 041035
The effectiveness of **applying** *inorganic* fertilizers under winter wheat on ordinary Chernozem of various texture. 040876
The effect of *inorganic* **fertilizers** on the intensity of transpiration in hemp. 037343
The effectiveness of *inorganic* **fertilizers** applied under spring wheat in connection with its predecessors on the soils of the Buryat ASSR. 040875
Subcellular localization of *inorganic* **ions** in plant cells [Nitella translucens, algae]. 037261
Reproductive performance of rabbits on organic and *inorganic* **leys.** 034791
Regulation by pyruvate kinase and phosphatase of *inorganic* **phosphate** incorporation during photophosphorylation. 036970
Excretion of ammonia and *inorganic* **phosphorus** by Euphausia pacifica and Metridia pacifica at different concentrations of phytoplankton. 037046
Determination of *inorganic* **pollutants** in river water with ion selective electrode. 041604
Renaturation of yeast [Saccharomyces cerevisiae] *inorganic* **pyrophosphatase** denatured in urea and guanidine hydrochloride. 037018
Evaluation of methods for preserving the levels of **soluble** *inorganic* phosphorus and nitrogen in unfiltered water samples. 041352

INOSITOL

Selection of spontaneous mutants by *inositol* **starvation** in yeast [Saccharomyces cerevisiae]. 036591

INPUT

The organization of the claustrum somatosensory **afferent** *input* in cats. 034194
[Agricultural] information networks: technology, *input* and **output** mechanisms. 031007
Pollutant *inputs* and distributions off southern California [Water pollution]. 041473
Industrial orientation of agriculture and agribusiness: an analysis of **regional** *input-output* tables. I. 031371

INSECTICIDES

Effect of alkaline and acid solutions on *insecticidal* **activity** of Bacillus thuringiensis [Bombyx mori]. 039210
Synthesis and *insecticidal* **activity** of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, lima beans]. 039341
Experiments with fungicides and *insecticides* in **agricultural** crops 1974. 039066
Radioisotopes in pesticide research. VI. Review papers, general methods of **analysis,** *insecticides*. 039554
Cytogenetic activity of dichlorvos *[insecticide]* in **barley.** 039284
Gas chromatographic determination of residues of *insecticidal* **carbamates.** 039589
Residues of the *insecticides* **carbaryl** and monocrotophos in honeybee [Apis mellifera] colonies. 039567
Agricultural **chemicals,** *insecticides*. 039220
Preliminary studies on screening of *insecticides* for the **control** of rice stem borer [Tryporyza incertulas]. 039252
Evaluation of *insecticides* for **control** of Egyptian alfalfa weevil [Hypera brunneipennis]. 039265
Laboratory and field evaluation of *insecticides* for **control** of periodical cicada [Magicicada septendecim, in orchards]. 039362
Control of Japanese beetle [Popillia japonica] and European chafer grub [Amphimallon majalis in turf] with **Dursban** *insecticide*. 039276
Prevention of potato top-roll by *aphicide* and its **effect** on leaf area and photosynthesis [Macrosiphum euphorbiae]. 039314
Ecology fears boost Kenyan pyrethrum **exports** *[Insecticides]*. 031605
Preparing of dimethoate in *insecticide* **form** for ultra-low volume treatments [Leptinotarsa decemlineata, Eurygaster]. 039299
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the rat [Residues, **formamidine** *acaricide-insecticide*, toxicity]. 039565
Slow-release *[insecticide]* **formulation** shows promise. 039239
Irradiation studies of mallard duck eggs material containing the *insecticide]* **mirex** [Degradation]. 039561
Problems of housefly (Musca domestica) control due to **multiresistance** to *insecticides*. 039471
Behavior of four bush redpepper varieties treated with *insecticidal* **oils** for retarding potato virus Y. 038935
Effect of washing, cooking and dehydration on the removal of some *insecticides* from **okra** (Abelmoschus esculentus Moench.). 032082
Clean-up cereal and milk for determination of residues of **organochlorine** *insecticides*. 032080
Residues of **organochlorine** *insecticides* and polychlorinated biphenyls in some Norwegian foods. 032123
Hepatic drug metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an **organophosphorus** *insecticide* take-20 (0,0-dimethyl malathion). 039550
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental **organophosphorus** *insecticides* for control of Heliothis]in a lactating cow [Toxicity tests]. 039562
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental **organophosphorus** *insecticide* for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564
Sulfoxide reduction in relation to **organophosphorus** *insecticide* detoxification. 039593
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: *insecticides,* **petroleum** distillates, and flaming. 039301
The genetic variability of the yield components in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] population *[Insecticides,* **plant** origin]. 036626
A new colorimetric method of determination of O,O-dimethyl 2,2-dichlorovinyl phosphate in *insecticidal* **preparations.** 039579
Studies and considerations on the influence of *insecticides* on the **process** of autoxidation. VII. Infrared spectroscopic changes of lipids due to Autoxidatin and their evaluation. 039540
The control of the greenhouse white [Trialeurodes vaporariorum] on gherkins with insect growth **regulators** and *insecticides*. 039349
Biochemical genetics of *insecticide* **resistance.** 039201
Investigations on the *insecticide* **resistance** of Drosophila melanogaster M. within the Kaiserstuhl area 1957-1973. 039371
Residues of carbaryl *[insecticide]* in **ridge** gourd (Lufa acutangula Roxb.: Cucurbitaceae). 039230
Practical considerations in use of **selective** *insecticides* against major crop pests. 039283
Effects of Dimillin, a new **selective** *insecticide*, on forestinsects. 039379
Comparative biotransformation as a forecaster of the ecological consequences of **selective** *insecticides*. 039547
Fungitoxicity and *insecticide* **synergism** of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529
Cumene hydroperoxide-mediated formation of inhibited complexes of methylenedioxyphenyl compounds with cytochrome P-450 *[Insecticide* **synergists].** 039595
Semiautomated determination of Di-Syston in granular formulations [**Systemic** *insecticide*, for the control of sucking insects and mites on plants]. 039227
Field studies of **systemic** *insecticides*. I. Evaluation of phoxim for control of fleas [Polygenis gwyni] on cotton rats. 039477
Residues of certain **systemic** *insecticides* in sweetpotato tubers [Cylas formicarius]. 039534
Long range transport of **toxaphene** *insecticide* in the atmosphere of the western North Atlantic [Pollution]. 041617
Insecticide **treatment** tests against the tarnished plant bug [Lygus lineolaris] of apple orchards in south-west Quebec. 039353
Studies on the compatibility of foliar application of urea with weedicide, fungicide and *insecticide* in **upland** rice. 040909

INSECTIVORES

[Insect] prey characteristics and predator niche width *[Insectivorous* **birds].** 039769

INSECTS

Natural selection and specialized chorusing behavior in **acoustical** *insects*. 039784
Downstream drift of invertebrates in a river in southern Ghana [**Aquatic** *insects].* 039745
The effect of Dendrobacillin on *insect* and **arachnid** fauna of oak forests of the trans-Carpathian region [Forest pests, biological control]. 039394
A preliminary survey of *insect* **attack** on seedlings and saplings in Bukit Belata Forest Reserve. 039397
The neural basis of *[insect]* **behaviour.** 039779
The cytophysiology of *insect* **blood.** 039612
Methods with *insect* **cells** in suspension culture. I. Aedes albopictus. 039872
Methods with *insect* **cells** in suspension culture. II. Drosophila melanogaster. 039873
Insect **chemistry.** III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the African monarch butterfly [Danaus chrysippus]. 039935
The biological **clock** of *insects*. 039912
West Sussex to Wester Ross in 1974 *[Insects* **collecting].** 039723
Who designed the Schmitt Box? *[Insect* **collections].** 039652
Insect **communication**—chemical. 039781
Axonal **conduction** in *insects*. 039774
Conservation of eggs of Graphosoma lineatum L. Bug by the method of deep freezing and their possible use to destroy eggs of harmful **corn** *bugs*. 039302
When will you have *insect-resistant* **cotton?** [Breeding]. 036625
Control of some important **cotton** *insect* pests in the MiddleEast with chlorpyrifos. 039277
Depredatory *insects* of the Mediterranean forests. 037907
Somatic polyploidy in tissue **development** *[Insects]*. 039932
The function of moulting hormones during *insect* **development.** 039944
Insect **dispersal.** 039782
Insects [**Empoasca** devastans, Empoasca kerri motti] and plant hosts [Castor, cotton]. 039255
A survey of the invertebrates of four streams in the Moor House National Nature Reserve in northern **England** [Includes *insects]*. 040083
Phoresy among **entomophagous** *insects* [Biological control]. 039204
Hormonal control of *insect* **epidermal** cell commitment in vitro [Tobacco hornworm, Manduca sexta]. 039296
Excretion in *insects*. 039772
Polarisation sensitivity in *insect* **eyes** with fused rhabdoms. 039793
Properties and functions of screening pigments in *insect* **eyes.** 039794
Regulatory mechanisms in *insect* **feeding.** 039611
Natural enemies used to **fight** *insect* ravages [Biological control, Aphytis maculicornis, Bacillus thuringiensis]. 039246
Biochemistry of *insect* **flight.** 1. Utilization of fuels by muscle. 039770
Biochemitry of *insect* **flight.** 2. Fuel supply. 039771
Insects on **flowers** of Inula crithmoides L. (Compositae). 036003
Insects at **flowers** of Elecampane (Inula helenium L.). 040021
Dung as an *insect* **food** source: dung beetles as competitors of other coprophagous fauna and as targets for predators. 039819
Parasite problems in the biological regulation of mass increase of **forest** *insects*. 039376
Ultra-low-volume aerial spraying—a new technique in controlling **forest** *insect* pests. 039396
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to *insect* and **fungal** pathogens]. 037919
Biodegradation of litter in Eucalyptus pauciflora communities. I. Techniques for comparing the effects of **fungi** and *insects*. 036248
The effect of *insect* **growth** regulators (IGR) on spider mites and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. 039248
The control of the greenhouse white [Trialeurodes vaporariorum] on gherkins with *insect* **growth** regulators and insecticides. 039349
Insect **growth** regulating agents for control of arthropods of medical and veterinary importance. 039478
Records of phoretic attachment of Mallophaga (Insecta: Phthiraptera) on *insects* other than **Hippoboscidae.** 040109
Major patterns of gene activity during development in **holometabolous** *insects*. 039610

Insects and **human** welfare. 039783
Biotic interference with *insect* **imported** for [biological] weed control. 039098
Insect **injuries** of cereal grains [Storage pests]. 039413
Utilization of the *insect-plant* **interactions** in pest control. 039223
The Coleoptera of the Ehime University Forest. II. Researches on the *insect-fauna* of **Komenono** University Forest. 5. 039999
Modifications in the **Malaise** *insect* trap. 039946
Metarrhizium anisopliae (Metch.) Sorokin on Brinjal **mealy** *bug* [Centrococcus insolitus] and its use in the biological control of the pest. 039328
Conservation of eggs of Graphosoma lineatum L. *Bug* by the **method** of deep freezing and their possible use to destroy eggs of harmful corn bugs. 039302
Standover lifts **"minor"** *insect* numbers [Sugarcane pests, Aulacaspis madiunesis, Opogona glcyphaga]. 039269
Misconceptions about *insects*. 039808
Infestations by *insects* and **mites** of [forest] trees and shrubs in 1974. 039405
Insect **mycophagy:** a preliminary bibliography [Fungi, insectvectors]. 038827
Insect **mycoses** and their importance in the [biological] control of biting flies [Livestock pests]. 039515
Some timely points on parasite control in strawberry cultivation *[Insects,* **nematodes].** 039073
The environment and function of *insect* **nerve** cells. 039778
The organization of *insect* **nervous** systems. 039780
Neurosecretion *[Insects].* 039776
Oosorption in *insects.* 039642
Photoperiodic determination of *insect* **[Ostrinia** nubilalis] development and diapause. III. Effects of nondiel photoperiods. 039831
Corpus allatum and ovarian growth in a polymorphic **paedogenetic** *insect* [Aphis craccivora]. 039885
Host selection by *insect* **parasitoids** [Manduca sexta, Telenomus sphingis, Trichogramma minutum, tobacco pests]. 039203
Provancher's collections of *insects,* **particularly** those of Hymenoptera, and a study of the types of his species of Ichneumonidae. 040127
Peas—*insect* and disease control. 038947
The ecology and behavior of a subsocial **pentatomid** *bug* [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a host and its parasites. 039914
Grape breeding and adaptation [for *insect* **pest** resistance]. 036538
Problems associated with the use of arthropod viruses in *[insect]* **pest** control. 039205
Diversity, complexity, stability and *[insect]* **pest** control [Crop systems]. 039228
The grain goes to the radiologist *[Insect* **pest** and food quality control]. 039412
Research on the biology and control of *insect* **pests** in horticulture and viticulture. 037741
Genetic problems in the production of biological *[insect* **pests** and weeds] control agents. 039202
Parasites, predators, and population dynamics [of *insect* **pests** of plants]. 039221
After-effect of Bacillus thuringiensis preparations on the development of *[insect]* **pests** [Biological control]. 039243
On the possibility of the acclimatization of imported farm *[insect]* **pests.** 039245
Pest management: concept to practice [Cotton, soybeans, *insect* **pests,** control]. 039282
Insect **pests** of sugarcane and their control. 039285
Insect **pests** of sugarcane and their control. 039286
Less known *[insect]* **pests** of alfalfa and sainfoin crops in the Constanta district, and their control. 039298
Some of the main beet **pests** *[Insects].* 039300
Navel orangeworm control through early harvest *[Insect* **pests** of walnuts]. 039324
Are your houseplants **"bugged"?** *[Insect* **pests].** 039335
Integrated control of *[insect* **pests]** in horticulture in Canada. 039354
Photoregeneration and the adaptation process in *insect* **photoreceptors.** 039792
Phytophagous *insects* of the weed Trichodesma incanum (Bge.) D. C. in Uzbekistani. 039114
Bacillus thuringiensis preparations harmless to the parasite Trichogramma cacoeciae (Hymenoptera, Trichogrammitidae) **[Plant** *insect* pests, biological control]. 039247
Insecticide treatment tests against the tarnished **plant** *bug* [Lygus lineolaris] of apple orchards in south-west Quebec. 039353
Genetic mechanisms and the evolution of heterosis [Animals, **plants,** *insects].* 034818
Miscellaneous alkaloids **[Plants,** *insects].* 036743
Study of Andrena carantonica behavior during blooming of Golden Delicious apple trees *[Insects* as **pollinators].** 039624
The dynamics of *insect* **populations** [including plant pests]. 039785
[Insect] **prey** characteristics and predator niche width [Insectivorous birds]. 039769
Insect-tree **relationships** in the urban environment [Diseases, pests]. 039352
Getting laughed at. They didn't believe [Dr. Axel L.] Melander when he **reported** *insect* resistance to chemical spray. 039199
The role of male accessory glands in *insect* **reproduction.** 039621
A new observation on the association between ants (Hymenoptera: Formicidae) and armoured **scale** *insects* (Homoptera: Diaspididae). 039229
Epidemiological studies on Salmonella in a particular area **("Walcheren Project").** I. The presence of Salmonella in man, swine, *insects* and **seagulls** as well as in foods and effluents. 035214
Insect **seasonality:** diapause maintenance, termination, and postdiapause development. 039619
Strategies in the design of **selective** *insect* toxicants [Pests, control]. 039226
The evolutionary significance of the **social** *insects.* 039786
Haplodiploidy and the evolution of the **social** *insects.* 039913
Soil *insects* [Collembola] as indicators of use patterns in recreation areas. 035563
Insects as **source** of food for human: consideration of its development. 032192
Biorhythm disturbances and the life **span** of some *insects.* 039958
Insects and **spiders** from year-old galls caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on goldenrod, Solidago canadensis L. 039233
An index to the *insects* and **spiders** featured on Audubon's bird plates. 040039
Synthesis and laboratory and field evaluation of a new, highly active and **stable** *insect* growth regulator [for control of fruit pests]. 039342
Semiautomated determination of Di-Syston in granular formulations [Systemic insecticide, for the control of **sucking** *insects* and mites on plants]. 039227
Development and physiology of the oocyte-nurse cell **syncytium** *[Insects].* 039609
Synaptic transmission in the central nervous **system** of *insects.* 039777
Tackling *insect* problems of plant bakeries. 039429
Texas research **taps** *insects* for brush and weed control [Biological control]. 039180
Tentative appraisal of losses caused by *insect,* **technical** pests of wood, in the Hajnowka woodworking installations. 035830
Studies on chestnut [Castanea] *insects* in **Ticino** (Switzerland) [Pest control]. 039346
Synaptic **transmission** in *insects.* 039773
Nerve-muscle **transmission** *[Insects].* 039775
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an *insect* **[Trichoplusia** ni] cell line cultured in vitro. 039904
Oscillations of **tropical** *insect* populations. 039888
Problems of *insect* **vector** control. 039224
Significant recent advances in biological control of **vector** *insects* [Pests of livestock and man]. 039439
Ferritin in *insect* **vectors** [Cicadulina mbila] of the maize streak disease agent electron microscopy and electron microprobe analysis. 038923
The persistence and toxicity of pesticides in relation to enzymic activity [in **vertebrates** and *insects].* 039584
Structure of an *insect* **virus** [Trichoplusia ni, Pseudoplusia includens, Autographa californica, biological control]. 039217
Study of the settling process of various **xylophagous** *insects* on Abies cephalonica in Greece (Mount Parnis, Attica). 039374
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on **xylophagous** *insects* [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876

INSEMINATION

Knowing your market situation **[Artificial** *insemination,* cattle]. 031711
The A. I. **[Artificial** *insemination]* industry market potential [Beef cattle]. 031714
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of puberty induced gilts and fertility results following **artificial** *insemination.* 034575
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following estrus synchronisation and **artificial** *insemination.* 034577
Studies on **artificial** *insemination* of rabbits with special reference to thinning and preservation of semen. 034579
More proven bulls are needed **[Artificial** *insemination].* 034636
Artificial *insemination* stations as centers for improving livestock performance [Poland]. 034654
Artificial *insemination* with spermatozoa in formaldehyde [Sheep, swine]. 034679
Management practices to improve reproductive performance with **artificial** *insemination* in beef cattle. 034730
Oxytocin following **artificial** *insemination* in crossbred heifers. 034731
The role of **artificial** *insemination* in the genetic improvement of cattle. 034778
Discussion: What's expected from beef [cattle] A. I. **[Artificial** *insemination]?* 034781
Promoting the A. I. **[Artificial** *insemination]* industry [Dairy cattle]. 034783
Estimate of fertility of bulls for **artificial** *insemination.* 034831
Rationalization of **artificial** *insemination* in hens. 034836
Artificial *insemination* in mink. 034841
Artificial *insemination* of sheep. 035836
Fertility differences between groups of sires relative to the stage of estrus at the time of *insemination* **[Dairy** cattle]. 034559
Natural and **instrumental** *insemination* of Apis cerana indicain India. 040247
Multiple *insemination* of turkey hens. 034595
Health importance of **swine** *insemination* [for disease control]. 034941

INSOLUBLE

Stabilization of wine materials with *insoluble* **polyvinyl** pyrrolidone. 033461
Separation of water-soluble and *water-insoluble* **saponins** from rhizones of Dioscorea deltoidea. 036774

INSPECTION

Continuous *inspection* of the effect of temperature on the growth of ornamental plants in winter. 037714
Destination *inspection* out-turn in view of the 1974 Conference [on Handling Perishable Agricultural Commodities]. 032060
Lettuce: **destination** *inspections*—why and how. 032062
The problem of **effective** *inspection* of meat for harmful substances. 032008
Bacteriological survey of frankfurters produced at establishments under **federal** *inspection.* 032093
Weighing the risks and responsibilities of a HACCP [Hazard Analysis Critical Control Point] *inspection* **[Food** processing]. 032024
Forest *inspection* in Askim. 035523
Inspection of **fresh** meat at destination. 032061
Inspection of **honey** from the producer at Honey Central. 031969
Studies on the administration of food sanitation: an attempt to the establishment of a methodology for quantitative administrative **hygiene** *[Inspection].* 031974
Results of veterinary **hygienic** *inspection* activities in the Slovak Socialist Republic after 4 years of the fifth Five-Year Plan. 034946
Inspection of **mink** pups [Nutrition]. 034504
Studies on the administration of food sanitation, especially for the theoretical development of probability **process** *[Inspection].* 031973
Amnesty bins, a valuable adjunct to **quarantine** *inspections* [Animal and plant products]. 031946
Information concerning **seed** *inspection* [Field crops]. 033298
Preparation and handling of meat and meat food products *[Inspection* **standards** and regulations]. 032064
Veterinary *inspection.* 034879

INSTABILITY

Inheritance of split-corolla, a **developmental** *instability* in Nicotiana [Tobacco]. 039196
Slope *instability* in relation to timber harvesting in the Chilliwack Provincial Forest. 035742

INSTARS

A multivariate study of mandibular characters in **fifth** *instar* workers and nymphs of Drepanotermes perniger (Froggatt) (Isoptera: Termitinae). 039813
Effects of some juvenile hormone analogues on the last *instar* **larvae** of Cephonodes hylas L. (Lepidoptera). 039211
Effects of high temperature and soil moisture on survival of *first-instar* **larvae** of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
Puffing patterns during the fourth **larval** *instar* in Chironomus pallidivittatus salivary glands. 039677
Locomotor activity and respiration of the **3rd** *instar* of Calliphora erythrocephala (Diptera, Calliphoridae). 039643

INSTITUTIONS

A research approach to *institutional* **alternatives** in the administration of agrarian development programmes. 031774
Experience regarding the organization of joint vegetable production in the **"Lobitzgemuse" cooperative** *institution,* Micheln. 031285
Gradual concentration and specialization of cooperative farms, state farms and their interfarm **cooperative** *institutions,* a basic requirement of socialist intensification. 031288
Institutions & **equipment** maintenance. 032647
Pesticides and requirements of *institutional* **finance** [India]. 039543
Israel's *institutional* framework of land policy. 031199
Professional workers in state agricultural experiment stations and other cooperating **state** *institution,* 1975-76. 031000

INSTRUCTION

150 years of public **agricultural** *instruction* in Norway. 031106
Experiences with and *instructions* on, the **erection** and operation of very high frequency radio networks [Agriculture]. 040422
Relevance check for *self-instructional* **packages.** 032588
Polytechnical *instruction* on livestock units in the region of Schwerin: experience under veterinary aspects. 034915
Instructions for **skinning** mink. 033052
Use of *instructional* **television:** a shared program. 032596
Instruction of **topography** and construction in courses for obtaining academic degrees in agricultural and forest sciences. 031093

INSTRUMENTS
Recommended design of sample intake systems for **automatic** *instrumentation* [Measurement of water quality and waste effluents]. 041509
Instrumentation for **biological** monitoring of industrial wastes. 041576
Socialist competition as a **comprehensive** *instrument* of [farm] management. 031341
Hydrologic *instrumentation* in the research watersheds: St. Louis Heights and Waahila Ridge, Oahu, Hawaii. 041304
Instrumentation for **hydrologic** research on the Reynolds Creek Experimental Watershed. 041306
Trade contracts as **indispensable** *instruments* of management in the planned cooperation of cooperative associations. 031343
The present status of testing **measuring** *instruments* in machinery maintenance. 040439
New methods and *instruments* for **measuring** groundwater quantity. 041312
Survey of **measuring** *instruments* and techniques for groundwater prospecting. 041326
One *instrument* of the energy revolution: the hot air pump [for buildings]. 040381
Quality control requirements for water **quality** *instruments* and measurements. 041318
Remote **sensing** *instrumentation* and methods used for identifying center pivot sprinkler irrigation systems and estimating crop water use. 041320
Remote **sensing** *instrumentation* and methods [Control of water pollution]. 041583
Instrumentation **techniques** for evaluation of a batch type drier. 040513
Instrumentation for **urban** stormwater and wastewater. 041575

INSUFFICIENCY
Drought in the Sahara: *insufficient* **biogeophysical** feedback? 036247

INSULATION
Cattle housing: *insulated*—not **insulated.** 033641
Efficiency of enamel **varnish** *insulation* on stator windings during operation of electric pumps in water [Farm equipment]. 040392

INSULIN
Effect of trauma on plasma glucagon and *insulin* **concentrations** in sheep [Metabolism]. 033845
Receptors for *insulin* and **epidermal** growth factor: relation to synthesis of DNA in cultured rabbit lens epithelium. 033766
Potassium depletion and **impaired** *insulin* release in proteinenergy malnutrition. 032428
CD spectral comparison of **porcine** *proinsulin* C-peptide and several fragments of its sequence. 033919

INSURANCE
Soil inoculation—good *insurance* [**Rhizobium** japonicum]. 040838
Cost of **unemployment** *insurance* for farmworkers in selected states. 031414

INTAKE
Effect of water deficit on **deuterium** *intake* and transport in winter wheat. 037414
Comments on **dietary** *intake* of drug-dependent persons. 032345
Potassium concentration in bovine muscle as influenced by carcass location, breed, sex, **energy** *intake*, age and shrunk body weight. 033089
The grazing **feed** *intake* of Hereford and Brahman cross cattle in a cool temperate environment. 034403
Loss of ducklings **following** *intake* of maple [Acer] seedlings [Intoxication]. 035427
Nutritional status of Head Start and nursery school children. I. **Food** *intake* and anthropometric measurements. 032356
Humoral factors controlling **food** *intake* in dogs. 033709
Effect of electrode implantation and electrical stimulation of hypothalamus on **food** *intake* in cats. 033718
The effect of lesions of the dorsomedial thalamic nucleus on alimentary conditioned reflexes and **food** *intake* in dogs. 033723
Experiments on the influence of the frequency of feeding on rumen fermentation, **food** *intake* milk yield. 034334
Effects of simultaneous reductions of **food** *intake* and dietary protein concentration on the growth and carcass quality of bacon pigs. 034401
The effect of a reduction in **food** *intake* during late pregnancy on nitrogen metabolism in ewes. 034402
The effect of physical activity, **nutrient** *intake*, and growth on body composition of myelomeningocele patients as measured by the whole body counter, creatinine, and anthropometric determinations. 032318
Food habits and **nutrient** *intakes* of Filipino women in Los Angeles. 032353
Studies on the Misaki horse. III. Nutrient composition of main herbs and scrubs, and estimates of their **nutrient** *intake*. 034349
The utilization of potassium 40 isotope for labelling in the study of **potassium** *intake* from fertilizers and soil by plants. 040879
Recommended design of **sample** *intake* systems for automatic instrumentation [Measurement of water quality and waste effluents]. 041509
Sodium hydroxide treatment of barley straw; effect of volume and concentration of solution on digestibility and *intake* by **sheep.** 034276
Influence of the type of forage harvester on the **silage** *intake* level and the performances of dairy cows. 034293
A comparison of supplementary sources of nitrogen and energy for increasing the **voluntary** *intake* and utilization of barley straw by sheep. 034398
Effect of intraperitoneal injections of DL-methionine on the **voluntary** *intake* and wool growth of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400
A note on seasonal variation in normal **water** *intake* by indigenous and crossbreed sheep. 034278
Experience of utilization of **water** *intakes* on mountainous rivers. 041256
The manipulation of the flow of solid substances during the **water** *intake* from the Amu Darya River. 041272

INTEGRATION
Scientific and technical progress and *integration* in **agriculture.** 031804
Integration of **chemoreceptor** stimuli by rostral brainstem respiratory areas [Cats]. 034016
An *integrated* **classification** for polymorphism and sexual dimorphism in butterflies. 040111
Integrated **control** of phytophagous mites [Apples]. 039325
Integrated **control** of [insect pests] in horticulture in Canada. 039354
Integrated **control** of the European red mite of apples, Panonychus ulmi (Koch). 039355
Dynamics of a cotton field arthropod association in northern Afghanistan (the case for an *integrated* **cotton** pest control system). II. 039278
Integration of **forest** planning and accounting. 035540
A model for the *integration* of **health** and nutrition planning. 032213
Variations of biochemical oxygen demand and dissolved oxygen in a steady stream by *integration* of a **hyperbolic** differential equation [Water pollution]. 041485
Transporting agricultural personnel by means of the new product of *integration* **Ikarus/IFA** bus. 040445
Integration of **nutrition** in medical education. 032600
Establishing an *integrated* **pest** control program for street trees. 039388
The chemical method as a component of *integrated* **plant** protection. 039010
Integrated **reclamation** [by irrigation] and farming of the future. 041258
Considerations on the program of *integrated* **rural** development and the national food and nutrition plan [Colombia]. 031913
Integrated **solution** of water management problems on the Lubanskaia Lowland. 041259
The *integrated* **utilization** of technical means for the transportation of the sunflower [seed] harvest. 031399
Integrated **utilization** of underground and surface waters for irrigation. 041260
Rationalization of forms of contract type of **vertical** *integration* in agriculture. 031255

INTEGUMENTS
Ultrafine structure of the *integument* of the [**blood** sucking] tick Hyalomma asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504

INTENSITY
Changes in the oxidative phosphorylation of pea plants affected by magnesium **deficiency** of different *intensity*. 037686
Fattening and slaughter performance results of German Black Pied young bulls as influenced by **feeding** *intensity*. 1. Fattening performance of young bulls under varying feeding intensities. 034323
The influence of different **feeding** *intensities* on the fattening and slaughter performance of young bulls. 034500
The development of *intensity* in **fruit** growing [Costs]. 031456
Studies on the formation of vitamin D by sunlight irradiation of provitamin D. III. Yearly variation of ultraviolet **light** *intensity* in sunlight. 032466
Changes in lower layers of a forest phytocoenosis under the influence of a faint increase of **light** *intensity*. 037325
Pasteurization of beer. 2. Determination of furfural, an indicator of *intensity* of **pasteurization** and aging of beer. 032906
Effect of sulphur efficiency on water regime and *intensity* of **pea** and wheat photosynthesis. 037701
Preliminary investigations on the possitility of applying a rapid isotopic method for comparing the *intensity* of **photosynthesis** in the alfalfa leaves. 037504
Influence of some microelements and phytohormones in the **photosynthesis** *intensity* and yield of malting barley. 037552
Content of phoshorus of nuclei acids and the *intensity* of **respiration** in leaves and roots of wheat as affected by water deficit. 037569
Evaluation of the precision of measuring **respiration** *intensity* of different plant species [Fruits and vegetables]. 037614
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated ergosterol solutions and **sunlight** *intensity*. 032465
The effect of inorganic fertilizers on the *intensity* of **transpiration** in hemp. 037343
Peculiarities of diurnal and seasonal dynamics of **transpiration** *intensity* of meadow plants. 037375
Transpiration *intensity* of meadow plants [in the Leningrad province]. 037377
Yeast composition of grape musts subjected to thermal treatments of **varied** *intensity* and duration. 033338

INTENSIVE
Chemicals for farming essential to *intensifying* **agricultural** production. 031036
Livestock breeding in conditions of *intensification* of **agriculture.** 034777
Sugarcane as the basis for *intensive* **animal** production in the tropics [Cattle, feeding]. 034369
Intensification of **beef** cattle production by achieving high carcass weights in fattening bulls. 033108
Results on feed consumption and nutrient requirement in *intensive* **bull** fattening as obtained in fattening test stations. 034324
An *intensive* **calf-rearing** unit. 033653
Intensification, **concentration** and specialization on the Oberbohmsdorf livestock production cooperative farm [Management, East Germany]. 031379
Detection of triazine herbicides and their degradation products in tile-drain water from fields under *intensive* **corn** (maize) production. 039558
Agrochemical centres, present position and size of network, performance and results, and forthcoming tasks for *intensification* of **crop** farming. 031814
The use of fertilisers in the maintenance of soil fertility under *intensive* **cropping** in northern Nigeria. 040977
Apple black rot [Sphaeropsis malorum] in orchards under *intensive* **cultivation.** 038786
Influence of modernizatin and *intensification* of **culture** on the economic results of production and on the characteristics of wine. Influence on consumption. 038278
State agriculture on the path of *intensive* **development.** 031906
Intensification of **education** and further training [East Germany]. 031102
Early weaning and *intensive* **fattening** of lambs. 034361
Big gain in weight of lambs submitted to *intensive* **fattening,** led to intensive fattening, fed with adequate rations. 034484
Intensification of **greenhouse** tomato production in Leipzig county. 038313
Influence of veterinary medicine on the *intensification* of **industrial** livestock production by speeding up scientific and technological advances. 034923
Intensification of **meadow** and pasture management in Leningrad Region [Farm management]. 031345
Problems of **modern** *intensive* fertilizer application on farm crops in Bulgaria. 041032
Systematic and science-based fertilization for *intensified* **mowing-threshing** cropping. Experience and results of crop farming cooperative Prohn. 040919
Merits of conventional aerial photography in an *intensive* **natural** resources inventory in Puerto Rico [Land use]. 031213
Intensive **research** with mink [Husbandry]. 033682
Training of vines on parental stocks of *intensive-type* **scion** grapevines. 038476
Gradual concentration and specialization of cooperative farms, state farms and their interfarm cooperative institutions, a basic requirement of **socialist** *intensification*. 031288
Efficiency of sugarbeet production under conditions of *intensified* **specialization.** 031390

INTERCALATION
Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. Crystal tubes, *intercalary* **crystals,** K fabric. 040706

INTERCELLULAR *see* CELLS

INTERCROPPING
Intercropping of **autumn** planted sugarcane with wheat. 038036

INTERFERONS
The mortality of puppies controlled by use of an *interferon* **inducer.** 035141
Viral factors required for *interferon* **induction** by Newcastle disease virus in mouse macrophages and chicken embryo cells. 035112

INTERGOVERNMENTAL *see* GOVERNMENT

INTERMITTENT
Intermittent **feeding** and lighting of layers. 034385
Intermittent **light** speeds broiler growth and improves efficiency [Chickens]. 033916
Influence of *intermittent* **long-term** stimulation on contractile, histochemical and metabolic properties of fibre populations in fast and slow rabbit muscles. 034130

INTERNODES
Short *internode* character in soybeans and its inheritance. 036456
The epidemiology of common root rot [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on **subcrown** *internodes* and the effect of added phosphate. 038587

INTERRELATION
Physical and **biological** *interrelationships* in a complex coastal zone [Sewage discharge]. 041581
Interrelationships of **fodder** yield and its components in oats (Avena sativa L.) [India]. 036498
About the *interrelation* between **individual** groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light Gray Forest fine loamy soil. 040869

Investigation of *interrelationship* between the **inhibitory** activity of milk with different beta-lactoglobulin types and the resistance of cows to mastitis. 034627
Metabolic *interrelations* of hydroxy-substituted ether-linked glycerolipids in the pink portion of the rabbit Harderian gland. 033764
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the *interrelation* between **photosynthesis,** growth, and the accumulation of non-structural carbohydrate. 041019
Interrelationships of **seedling** age, inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Interrelationships between **serum** vitamins A and E and lipid fractions in women receiving oral contraceptives. 032290
Interrelation of **water** state and energy metabolism of winter wheat leaves. 037417

INTERROWS
The sowing of seed kenaf with **broad** *interrow* spacings. 038075

INTERSECTION
A test of a modified **line** *intersect* method of estimating root length [in wheat]. 037475

INTERSEX
Polledness and *intersexuality* in the **Damascus** breed of goat. 034562
The occurrence of C19 [carbon] steroids in testicular tissue and submaxillary glands of *intersex* **pigs** in relation to morphological characteristics. 034699

INTERSTITIAL
Interstitial **spaces** a review and observations on some Araucariaceae. 036022

INTESTINES
Oxidative deamination of biogenic amines by *intestinal* **amine** oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. 033921
The effect of calcium on the tryptic digestion of **bovine** *intestinal* calcium-binding protein. 033814
Activation of trypsinogen in the normal and **coeliac** *intestine* [damaged by the gliadin fraction of wheat and other cereals]. 032462
Influence of restrictive use of antibiotics on the development of drug resistance in *intestinal* **Escherichia** coli from pigs [Diarrhea]. 035171
The influence of the method of preservation of forages on the digestion in dairy cows. 2. Digestion of organic matter, energy and amino acids in **forestomachs** and *intestines.* 034119
The relationship between peptide hydrolases of cytoplasm and brush borders of **guinea-pig** *small-intestinal* mucosa. 034215
Electron microscope studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the *intestine* and **haemolymph** of Hyalomma anatolicum excavatum (Koch, 1844). 039517
Studies on Bacteroides fragilis group. 1. Distribution of Bacteroides fragilis group in the **large** *intestine* of guinea pigs and chickens. 035011
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in **local** *intestinal* immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. 035064
Analysis of the structural forms of alpha-amylase present in chicken (Gallus domesticus) pancreatic duct juice and *intestinal* **lumen.** 033866
Effect of chronic nicotine administration on the *intestinal* **mucosal** alkaline phosphatase in rats. 033970
Observations on the development of Haemonchus contortus in young sheep given a single infection [an *intestinal* **nematode**]. 035182
Intestinal **parasites** and commensal protozoa in foodhandlers from the central area of the city of Concepcion, Chile [Food sanitation]. 031970
Experiments to improve the exploitation of the energy potential of the fodder by speeding its **passage** through the *intestine.* 034335
Effect of different bathing media on the short-circuit current across the *intestine* of the **rat** and guinea-pig. 033891
Intestinal **resorption** of the tetanic antitoxin in the newborn calf. 034988
The time-course of changes in mucosal architecture and epithelial cell production and cell shedding in the **small** *intestine* of the rat fed after fasting. 032364
Phenol red as an indicator of the flow rate of digesta along the **small** *intestine* of pig. 033715
In vitro absorption of amino acids by the **small** *intestine* of sheep. 034002
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the **small** *intestine* of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Effects of a diet containing 40 percent dried whey on the performance and lactase activities in the **small** *intestine* and cecum of Hampshire and Chester white pigs. 034409
Coprophagy-dependent changes of the anaerobic bacterial flora in stomach and **small** *intestine* of the rabbit. 035289
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the *gastro-intestinal* **tract** after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Four cases of **traumatic** *intestinal* injuries in dogs. 035420
Contribution concerning the study of *intestinal* **tumors** in dogs. 035298
Intestinal **uptake** by starved-refed rats of sugars derived from disaccharides and from their monosaccharide equivalents. 032412
Morphogenesis of *intestinal* **villi.** II. Mechanism of formation of previllous ridges [Chick embryos]. 034053
Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) liver and *intestine* during in **vitro** and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Some possible effects of dung beetle activity on the infestation of pastures by *intestinal* **worm** larvae of cattle. 039469

INTOXICATION
Hygienic assessment of agents of *intoxications* found in **foods** [Contamination]. 032152
Mercury and mink. II. Experimental methyl **mercury** *intoxication.* 035400
Effect of experimental **Neguvon** *intoxication* on iron, copperand 14 C [carbon isotope] glycine content in the blood of poultry. 035404
Physiopathological effect of **Neguvon** *intoxication* of poultry. 035405
Loss of ducklings following intake of maple [Acer] **seedlings** *[Intoxication].* 035427
Compatibility of nitrate in **swine** *[Intoxication].* 035426

INTRACELLULAR *see* CELLS

INTRAMAMMARY *see* MAMMARY

INTRAMUSCULAR *see* MUSCLE

INTRAPERITONEAL *see* PERITONEUM

INTRAUTERINE *see* UTERUS

INTRAVENOUS
Incorporation of N from *intravenously* **administered** 15N [nitrogen isotope] labelled urea into the bacterial protein in the sheep. 033721
Passage of the *intravenously* **administered** 15N [nitrogen isotope] urea into the digestive tract and its excretion in thesheep. 033722
Changes in urinary water and electrolyte excretion in sodium-loaded sheep in response to *intravenous* **infussion** of arginine vasopressin. 034159

INTRAVENTRICULAR *see* VENTRICULAR

INULA
Insects on flowers of *Inula* **crithmoides** L. (Compositae). 036003
Insects at flowers of **Elecampane** *(Inula* helenium L.). 040021
Sesquiterpene lactones of *Inula* **helenium.** 036898

INVENTORIES
Canadian *inventory:* how much land do we have? 031156
Growing potatoes for alcohol production; results of an *inventory* **[Culture].** 038403
Inventory of the **degree** of surface water pollution in France. 041636
Forest *inventory* in the tropics [Nicaragua]: a consideration. 035557
Use of electron computers to plan **livestock** *inventories,* production, costs and proceeds in industrial swine production facilities. 031381
An *inventory* of **Ohio** soils: Mercer County. 040786
Merits of conventional aerial photography in an intensive natural **resources** *inventory* in Puerto Rico [Land use]. 031213
Timber resource statistics for the Copper **River** *Inventory* Unit, Alaska, 1968. 035613

INVERSION
Invert **sugar** degradation during juice purification in the presence of atmospheric oxygen. Results obtained from industrial experiments. 033311
Use of *invert* **sugar** in honeybee feeding. 040255
Carbohydrate changes in *invert* **syrups** [in sugarcane sugar manufacture]. 033160

INVERTASE
Specific binding of *invertase* of the **medium** by yeast [Saccharomyces cerevisiae] cell surface during the regulation of formation of the enzyme. 036912

INVERTEBRATES
The comparative biochemistry of *invertebrate* **mucopolysaccharides.** V. Insecta (Calliphora erythrocephala). 039685
Downstream drift of *invertebrates* in a **river** in southern Ghana [Aquatic insects]. 039745
A survey of the *invertebrates* of four **streams** in the Moor House National Nature Reserve in northern England [Includes insects]. 040083
Dark regeneration of *invertebrate* **visual** pigments [Butterflies]. 039789

INVESTMENTS
About the calculation of the efficiency of **capital** *investments* in the constructions for the control of high waters and soil erosion. 031463
Efficient utilization of storage capacity, the basis of highly **effective** *investment* [Fruit]. 033373
Changes in farm structure and individual **farm** *investment* aids. 031408
Investment **furthering** for main income farms capable of development. 031486
Investment **preparation** problems of industrial cabbage storage and dressing centers. 031455
Existence maintenance and the furthering of single farm growth arguments, for and against state [West Germany] *investment* **promotion.** 031485
The *investment* **requirements** of rain-plants in the irrigation systems at Kiskore. 031462
Government policy of *investment* in the **sugar** sector. 031434

IODINE
Iodine **accumulation** in plants relative to their systematic position and habitat. 037001
[Human] *iodine* **deficiency** and toxicity. 032331
The optimization of conditions for **determining** *iodine* [content] by a kinetic rhodanine-nitrite method [in biological materials]. 036735
Interventions of the physiological stage [parturition, lactation] and *iodine* in the **feed** on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
Methods to **identify** *iodine* content of grass. 037599
125I *[iodine* **isotope]** radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH [bovine parathormone] with high specific activity and without destroying biological activity. 034122
Distribution of gonadotropic hormones labelled with 125I *[iodine* **isotope]** in animal organs and tissues. 034182
Proteolytic activity of beef liver determined by natural substrates labelled with 125I *[Iodine* **isotope].** 034223
Radiation doses from *iodine-129* **[isotope]** in the environment. 041524
Radioimmunoassay of arthropod moulting hormone: beta-ecdysone antibodies production and 125I *[iodine* **isotope]-iodinatedtracer** preparation. 039743
Intraaxonal and extraaxonal transport of *125I-[iodine* **isotope]-tetanus** toxin in early local tetanus [Cats]. 035167
Effects of **radioactive** *iodine* on cotton seeds. 037596

IONIZATION
Effects of group size and of negative **air** *ionization* on performance of growing-finishing swine. 034000
Molecular mechanisms of stimulating effect of *ionizing* **radiation** on seeds: Activation of RNA synthesis [Castorbeans]. 037249
The effect of *ionizing* **radiation** CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402
On the possible development of radio-resistance in Sitophilus oryzae (L.) following exposures of successive generations to *ionizing* **radiation.** 039432
Use of *ionized* **rays** in agriculture and the food industry. 032844

IONONES
Chemistry of tobacco constituents: oxidation of *alpha-ionone* and the **acid-catalyzed** rearrangement of 5-keto-alpha-ionone. 033251

IPHICLIDES
The scarce swallow-tail: *Iphiclides* **podalirius** (L.) in Britain. I. The evidence before Haworth. 040062

IPOMOEA
In vitro tissue culture of sweetpotatoes, *Ipomoea* **batatas** (L.) Lam., for the production of new cultivars. 038458
Extraction and identification of clavine and lysergic acid alkaloids from morning **glories** *[Ipomoea].* 037144
Response of sweet **potato** *(Ipomea* batatas), to potassium fertilization on a red Oxisoil in Tanzania. 040969
Distribution of protein within sweetpotato **roots** *(Ipomea* batatas L.). 033412

IPS
Selective production of cis- and trans- verbenol from (-)-and (+)-alpha-pinene by a bark beetle *[Ips* **paraconfusus].** 039406
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects *[Ips* **subelongatus,** Xylotrechus altaicus, Monochamus urussovi]. 039876

IRIDOIDS
Proof and isolation of *iridoid* **glucoside** from Galeopsis tetrahit L. (Labiatae) as well as structure elucidation of gluroside. 037148
Two **new** *iridoid* glucosides from Ixora chinensis. 037182

IRIDOMYRMEX
Short-term change in a population of the meat **ant** *Iridomyrmex* purpureus (Hymenoptera: Formicidae). 039633
Short-term change in a population of the meat **ant** *Iridomyrmex* purpureus (Hymenoptera: Formicidae). 039634

Dispersion and history of a population of the meat **ant** *Iridomyrmex* purpureus (Hymenoptera: Formicidae) [Geographical distributions]. 039988
Dispersion and history of a population of the meat **ant** *Iridomyrmex* purpureus (Hymenoptera: Formicidae). 039989

IRISES

All kinds of observations on the high **beard** *iris* [Varieties]. 036143
Biological studies on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, *Iris* and **Crocus.** 039013
In memory of Harold Castle Fletcher *[Iris* **culture,** Great Britain]. 038489
Nuclear DNA content and ploidy values in clonally-developed plasmodia of the myxomycete **Didymium** *iridis* [Fungi]. 036415
Weed control and phytotoxicity of herbicides in **Dutch** *Iris;* progress report. 039123
Xiphium filifolium (Boissier/Rodionenko) *[Iris* **filifolia].** 038494
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of callus tissues of **Pelargonium** *Iris* and Ruta grown in the dark. 037664

IRON

Translocation of *iron* in **acid** sulfate soils. I. Soil morphology, and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Translocation of *iron* in **acid** sulfate soils. II. Production and diffusion of dissolved ferrous iron [in Thailand]. 040782
Translocation of iron in acid sulfate soils. I. Soil morphology, and the chemistry and mineralogy of *iron* in a **chronosequence** of acid sulfate soils [from Thailand]. 040781
Copper and *iron* **content** of tissues of X-irradiated rabbits [Radiation, injuries]. 035436
Modification of *iron* and **copper** metabolism by dietary starch and glucose in rats. 032415
Effect of experimental Neguvon intoxication on *iron,* **copperand** 14 C [carbon isotope] glycine content in the blood of poultry. 035404
Control of nutritional anaemia with special reference to *iron* **deficiency.** 032504
Correcting the chlorosis of pin oaks [Quercus palustris, *iron* **deficiency** diseases]. 039056
Black olives by alkaline oxidation. III. A comparative study of *iron* **determination** methods. 033381
Iron-loading: **effect** on the activity of liver ribosomes in protein synthesis in rats [Nutrition study]. 032413
Utilization of *iron* from **enriched** wheat bread by normal and anemic rats. 032198
Storage of *iron* as **ferritin** in the liver of the protein-deficient rat. 034207
A model for the simultaneous production and diffusion of **ferrous** *iron* in submerged soils. 040755
Translocation of iron in acid sulfate soils. II. Production and diffusion of dissolved **ferrous** *iron* [in Thailand]. 040782
The effects of various dietary levels of menadione and *iron* on **hepatic** catalase activity in rats maintained on a vitamin E deficient diet. 032320
The effct of *iron* on a **high-yielding** industrial strain of Penicillium chrysogenum [fungi] and production levels of penicillin G. 037045
Changes in the physical properties of soil clays due to precipitated aluminum and *iron* **hydroxides.** I. Swelling and aggregate stability after drying. 040758
Lime-induced *iron* chlorosis in groundnut: treatment and prevention [Deficiency diseases, peanuts]. 039050
Effect of *iron,* **manganese,** zinc and other nutrients on maize plants in pot experiments with calcareous Chernozem. 037532
Iron and **manganese** status of citrus trees grown in Egypt inrelation to location, variety, and plant organ. 040906
Characteristics aspects of *iron* **metabolism** in piglets. 034096
Noninserted *cast-iron* pipes for reclamation construction works. 040359
Iron **nutriture** [Foods, diet]. 032291
Food enrichment with *iron* to **prevent** its deficiency (Literature survey). 032486
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of **protein-bound** *iron* and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
A complete **serum** *iron* profile in pregnancy: study of the maternal and cord blood. 032256
Role of microorganisms in the mobilization and fixation of *iron* in **soils.** 040835
Selection of *iron* **sources** for cereal enrichment. 032197
Iron **supplementation** for gestational anemia: a model field trial. 032424
Influence of dietary carbohydrate on copper, *iron,* and **zinc** status of the rat. 032452
Fixation of *iron* and **zinc** applied as chelates into a soil column during leaching. 040762

IRRADIATION

Acute *irradiation* of vegetating plants and prospects of its use in plant growing and breeding [Genetics]. 036610
Mutability of the garden pea and tomato with chronic gamma-irradiation of the plants and the **acute** *irradiation* of the seeds. 036681
Sterochemistry of freelingyne [(4Z,6E)-9-(3-furyl)-2,6-dimethylnona-2,4,6-trien-8-yn-4-olide] by *X-ray* **analysis** [Eremophila freelingii]. 037026
Changes in the pyrimidine nucleotide DNA isopliths of the haemopoietic system of *gamma-irradiated* **animals** [Rabbits]. 034167
The effect of pre-irradiation of seeds with *gamma-rays* on **biology** and fruitfulness of cucumbers. 037827
The presence of **biseriate** *rays* in fir (Abies alba Mill.) [Wood anatomy]. 035779
Effects of *X-irradiation* on **cell** division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Degradation of **cellulose** by *gamma-ray-irradiation.* 035724
Irradiation of **cereal** grains and cereal grain products [for preservation]. 033216
Mutability of the garden pea and tomato with **chronic** *gamma-irradiation* of the plants and the acute irradiation of the seeds. 036681
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV [ultraviolet]-sensitive yeasts under different *postirradiation* **conditions.** 036664
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV *[ultraviolet]-irradiated* **conidia** in buffer. 036674
X-ray **contrast** method for seed viability determination of cereals and millets. 037565
X-ray **diffraction** determination of the structure of lagochilin [Lagochilus inebrians]. 036848
X-ray **diffraction** from oriented outer mitochondrial membranes. Detection of in-plane subunit structure [Mung beans, potatoes]. 037658
Quantitative fabric analysis of Drammen clay using *X-ray* **diffraction** technique [Marine sediment]. 040678
Energy-dispersive *X-ray* analysis on thin sections and unimpregnated soil material. 040707
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of **external** *beta-irradiation* and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
A comparative study of *gamma-ray,* **fast-neutron** and ethyleneimine mutagenic effects on Phaseolus vulgaris [kidney beans]chromosomes. 036470
Study of chimerism in the reproductive tissue of Arabidopsis thaliana plants **following** *irradiation* of seeds. 036690
Mutagenic effect of **gamma** *rays* and fast neutrons on Pisum sativum [Peas]. 036480
Radiobiological studies in Triticum [wheat]. II. Response to chronic and acute **gamma** *irradiation* of 25 ditelocentric lines of wheat cv. Chinese Spring. 036482
Modification of the injurious effect in the **gamma** *irradiation* of seeds of radiosensitive and radioresistant crops. 036630
A cytogenetic study of the effect of the joint action of ethyleneimine and **gamma** *rays* on the cells of Crepis capillarisseeds in two successive mitotic cycles. 036663
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute **gamma** *irradiation* of diploid, tetraploid and hexaploid species of Triticum and Aegilops. 037404
Study of malate dehydrogenase and glutamate dehydrogenase activity in maize radicles after treatment with **gamma** *rays.* 037465
Unscheduled DNA synthesis induced in barley seeds by **gamma** *rays* and 4-nitroquinoline 1-oxide. 037483
Study on the effect of dry seed irradiation with **gamma** *rays* in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Effect of pre-sowing **gamma** *irradiation* (60Co) [cobalt isotope] on yield development of earliest red radish (Raphanus sativus sub. var. radicula). 038226
The effect of **gamma** *irradiations* on the longevity of the queens and the workers of Temnothorax recedens (Nyl.) (Formicidae, Myrmicinae). 039816
Isolation and characterization of variant clones of Chinesehamster cells after treatment with *irradiated* **5-iodouridine.** 034757
Use of **ionized** *rays* in agriculture and the food industry. 032844
Practical application of *X-ray* **irradiation** to improve keeping quality of onions. 033391
Gamma-irradiation of **lima** bean protease inhibitor in dilute aqueous solutions. 037826
The effects of **low-dose** *gamma-irradiation* on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding studies using rats. 032189
Effect of temperature on the mating compatibility of *irradiated* **males** of Callosobruchus analis. 039200
Chloroplast growth and replication in germinating spinach cotyledons following **massive** *gamma-irradiation* of the seed. 037811
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and *X-ray* **microanalysis** [Algae]. 036341
Dynamics of carbonyl-compound accumulation in *irradiated* **mixed** eggs during storage. 033118
Effect of doses and types of *irradiation* on **mutation** frequency in Chlorella [Algae]: mutation maximum effect. 036514
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by low doses of *X-rays* and **nitrosomethylurea.** 036670
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the *irradiated* **organism.** 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
The effect of storage and culinary treatment of *irradiated* **potatoes** on the cytogenetic activity of extracts obtained from them. 032499
Copper and iron content of tissues of *X-irradiated* **rabbits** [Radiation, injuries]. 035436
Effect of **seed** *irradiation* (60Co) [cobalt isotope] on the development of coloring substances and total surface of tomato leaves. 037618
Study on the effect of dry **seed** *irradiation* with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Effectiveness of 0.2 MeV neutrons in the *irradiation* of **seeds** of Arabidopsis thaliana (L.) Heynh. 036629
The effect of *pre-irradiation* of **seeds** with gamma-rays on biology and fruitfulness of cucumbers. 037827
Small-angle *X-ray* scattering study of the interaction between lysine transfer RNA ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057
Use of *gamma-irradiation* of **soil** for an analysis of the composition of microbial communities. 040689
X-ray **structure** and absolute stereochemistry of stemarin, a diterpene with a new skeleton [Stemodia maritima]. 036868
X-ray **studies** of poly(amino acids) as structural models for proteins. 032836
Irradiation **studies** of mallard duck eggs material containing the insecticide] mirex [Degradation]. 039561
Studies on the formation on vitamin D by **sunlight** *irradiation* of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated ergosterol solutions and sunlight intensity. 032465
Studies on the formation of vitamin D by **sunlight** *irradiation* of provitamin D. III. Yearly variation of ultraviolet light intensity in sunlight. 032466
The gene dosage effect of the rad52 mutation on *X-ray* **survival** curves of tetraploid yeast strains [Saccharomyces cerevisiae]. 036602
The induction of pyrimidine dimers in nuclar DNA after U.V. *[Ulraviolet]-irradiation* during the **synchronous** cycle of Saccharomyces cerevisiae [Yeasts]. 036557
Ray **tissue** percentages in wood of Yugoslavian hardwoods. 035776
The influence of *irradiation* on **tomato** fertilization. 037668
Acute lethality after fast-neutron and *X-irradiation* of **Tribolium** confusum. 039903
Experimental study of a rabies vaccine from sheep brain tissue inactivated with **ultraviolet** *rays.* 035282
Effect of cadmium ions on chlorella [Algae]. II. Modification of **ultraviolet** *irradiation* effect. 036513
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of **ultraviolet** *rays.* 039916
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after **uneven** *irradiation* with protons of doses varying inside the organism [Radiation injuries]. 035435
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers **via** *X-ray* diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. 037656
Row over *irradiation* of **wheat.** 033282
Practical application of **X-ray** *irradiation* to improve keeping quality of onions. 033391
The effect of caffeine on the survival and recovery of *irradiated* **yeast** cells [Radiation, injuries]. 037250

IRRIGATION

Irrigated **alfalfa** for hay meal [Culture, manufacture]. 038059
Possibilities of increasing the yields, the quality and the longevity in *irrigated* **alfalfa** crop. 038146
Persistence of fecal coliform indicator bacteria on **alfalfa** *irrigated* with municipal sewage lagoon effluent [Health hazards to livestock]. 041353
Irrigation **amount** and number of single irrigation quantities in the sugarbeet during the ontogenesis. 041402
Water requirements of the crops in the *irrigated* **areas** of the Bras de la Plaine [Reunion]. 041229
Soil cultivation under *irrigation* on **Baragan** Chestnut Chernozen. 041195
The experience of operating pump units on the *[irrigation]* **canal** Irtysh-Karaganda. 040361
A horizontal sediment bowl with hydroaerodynamical washing [for the control of deposits in *irrigation* **canals].** 041249
Reglon—an effective [pre-harvest] desiccant of **castorbean** under *irrigation.* 038559
Effects of soil furrowing [on the yield of sunflowers and **castorbeans** under *irrigation].* 041213
Studies on the cultural procedures of grain bean as an *irrigated* **catch** crop. 038451
The study of leaking of soil on cucumber field with the application of **chopping** *irrigation.* 041222
Experimental results of a two-year **comparative** *irrigation* research program between the drip-method and the side infiltration method [Tomato yields]. 041342
Heritability and variability of characters in intervarietal and interspecific cotton hybrids under different *irrigation* **conditions.** 036678
Yields of 2900 kg soybeans per acre under without *irrigation* **conditions.** 038122
Irrigation **control** for Pinus radiata in the Koetong Nursery. 041246

Pupation sites of pink bollworms [Pectinophora gossypiella]: potential mortality resulting from cultivation of *irrigated* **cotton.** 039307
Report from Group I on golf **course** *irrigation* workshop problem. 041407
Report from Group II on golf **course** *irrigation* workshop problem. 041408
Report from Group III on golf **course** *irrigation* workshop problem. 041409
Relationship of *irrigation* with **cultured** cucumber variety and with the climate. 041221
Effluent [for *irrigation]* as **defined** by water quality. 041048
What is master planning? *[Irrigation* **design].** 041413
A forecast of *irrigation* **developments** in Italy. 041340
Soybean cultivation in stubble, under *irrigation* in **Dobrudsha.** 038120
Changes in the soil cover under the effect of reclamation [by *irrigation* and **drainage].** 041254
International Commission on *Irrigation* and **Drainage** and its role in the development of irrigation, drainage and control of high waters in the world. 041261
Land reclamation [by *irrigation* and **drainage]** and the problem of stability of the farm production. 041263
The utilization of a system analysis in reclamation [by *irrigation* and **drainage]** and water management. 041278
Computer-aided advice for more **effectiveness** of *irrigation.* 041244
Antitranspiration agents employed with *irrigation:* **efficiency** and possibilities of use [Sorghum]. 041341
Control of land salinization and conservation of the **environment** *[Irrigation].* 041255
Guidelines for the selection of turbine pump materials for use in groundwaters *[Irrigation* **equipment,** water supply]. 040454
The main directions in the improvement of the *irrigation* **equipment** in the USSR. 040472
Sprinkler demonstration in the northeastern polder *[Irrigation* **equipment].** 040502
Effects of waste water on corrosivity [of *irrigation* **equipment].** 040516
Soil nitrates following four years continuous corn and as surveyed in *irrigated* **farm** fields of central and eastern Colorado. 040677
Integrated reclamation [by *irrigation]* and **farming** of the future. 041258
Effects of soil physical properties, *irrigation,* and **fertilization** on Pinus radiata seedling development in the Benalla nursery. 035648
Effect of *irrigation,* **fertilization** and CCC [chlorocholine chloride] treatment on the 1000-grains weight and seed germination of wheat. 038132
Studies on *irrigation,* **fertilization** and planting density of the selfed maize line SH-144. 038137
Changes in certain qualitative features of winter wheat varieties as a response to **fertilization** and *irrigation.* 041020
Some knowledge obtained from *irrigation* and **fertilization** of sugarbeet in the East Slovakian Lowland. 041403
Possibilities of **fertilizing** *irrigation* [Horticulture]. 041024
Agriculture, rural development and *irrigation* in the **Fifth** Plan [India]. 031830
A million gallons of water for a single acre of **food** *[Irrigation].* 041460
New **frontiers** for *irrigation.* 041225
The prevention of erosion during **furrow** *irrigation.* 041274
The response of grass and **grass/clover** to *irrigation.* 041433
[Land] reclamation [by drainage and *irrigation]* and the **international** cooperation. 041279
Sediment-phosphorus relations in surface runoff from *irrigated* **lands.** 041390
The effect of *irrigation* of **large** areas on natural and social and economic conditions. 041269
Distribution of *irrigation* by **line** sprays and circular sprinklers. 040421
Changes in the microclimate of *irrigated* **maize** crop under the influence of some agrotechnical operations. 038131
Using the associated herbicides based on atrazine and butylate in irrigated and *non-irrigated* **maize** crops. 039161
Dates and methods for urea and ammonium nitrate application to *irrigated* **maize** on soils having a heavy mechanical composition. 041030
Soil furrowing [for better aeration] when growing **maize** under *irrigation.* 041265
System of **maize** *irrigation* [Yields, costs]. 041360
When the land is thirsty, there is no bread for **man** *[Irrigation].* 041226
Molybdenum in the soils of Andizhan oblast and prospects for using molybdenum **micronutrients** *[Irrigation].* 041096
Gypsum application to water and soils during *irrigation* with **mineralized** water. 040727
Research on the technology of maize growing under *irrigation,* in the **Moldavian** plain. 038117
Irrigation, **nematicide** boost fall rye production. 038991
Crop production function determinations [relating to maize yield] as influenced by *irrigation* and **nitrogen** fertilization using a continuous variable design. 038098
Using the associated herbicides based on atrazine and butylate in *irrigated* and **non-irrigated** maize crops. 039161
Prediction of soil water content changes in *[irrigated* and **non-irrigated]** Pangola grass [Digitaria decumbens] pastures. 040842
Bloat survey in the **northern** *irrigation* areas [Dairy cattle]. 035313
Prediction of soil water content changes in [irrigated and *non-irrigated]* **Pangola** grass [Digitaria decumbens] pastures. 040842
Corn and sorghum as silage crops under **partial** *irrigation.* 041281
The dynamics of carotene formation in plants as related to the level of nitrogen nutrition and *irrigation* [of **pasture** grasses]. 037342
How to regulate the system of **[pasture]** *irrigation.* 041358
Irrigated **pastures** in the Transcarpathian Region [Grass yields]. 041359
Irrigation of **peaches:** comparison of three methods after two years of testing. 041345
The effect of mineral fertilizers on quality of yield of crops grown on *irrigated* **peat** soils. 041128
The effect of construction parameters on the strength of flexible *[irrigation]* **pipes.** 040360
Irrigation [of **potatoes]** with potato processing water. 041356
Response of 'Thompson Seedless' grapevines to the timing of **preharvest** *irrigation* cut-off. 041230
Effect of *irrigation* of **productivity** of meadows on muck-peat and muck-mineral soils. 041463
Stubble crops of **proso** under *irrigation.* 038181
Data about the influence of fertilizing and *irrigation* on the **quality** of artificial meadows. 041085
Determination of *irrigation* **rates** for a thorough washing irrigation. 041400
Experimental results **regarding** *irrigation* with sewage obtained from large complex swine farms. 041414
Water consumption and *irrigation* **regime** in principal agricultural crops. 041420
[Growing] soybeans under *irrigation* in the **region** east of the Volga. 041462
Boosting sugarcane quality through nitrogen application in **relation** to *irrigation.* 040983
A method for determining the *irrigation* **requirement** in Antigua, West Indies. 041434
Irrigation **requirements** of maize in a tropical environment. 041217
Irrigation **requirements** of Bundaberg soils. 041235
Scientific irigation scheduling for salinity control of *irrigation* **return** flows. 041241
The construction of profile embankments [for **rice** *irrigation]* from overmoistened cohesive earth in the conditions of the Maritime territory. 041267
An automated management system for the complex water installations on Zeravshan **River** *[Irrigation].* 041253
Effect of method of nitrogen application on corn (Zea mays L.) grown on *irrigated* **sandy** soils. 041039
Scheduling *irrigation* with constant level evaporimeter. 041242
Economic use of water with nitrogen fertilization and assessment of suitable indices for **scheduling** *irrigation* in sugarcane. 041339
Irrigation amount and number of **single** *irrigation* quantities in the sugarbeet during the ontogenesis. 041402
Ways of increasing potato yield in *irrigated* **soils.** 038530
Mobile sprinklers for the *irrigation* of **sown** pastures. 040471
Mode and density of planting maize as a **spray** *irrigated* catch crop. I. 038134
Experience in the management of the joint department for **spray** *irrigation* [East Germany]. 041357
Measures recommended for the cultivation of winter wheat under *irrigation* in **spring** 1975. 038111
Remote sensing instrumentation and methods used for identifying center pivot **sprinkler** *irrigation* systems and estimating crop water use. 041320
Economic situation leads to master planning **[Sprinkler** *irrigation].* 041405
Selling the concept of a master plan **[Sprinkler** *irrigation* system]. 041411
Economics of *irrigation* in a **Sprinkler** Irrigation Association. 041448
The reservoir on the Karadarya River [Dam **structure,** *irrigation].* 040362
Experimental results obtained with non-conventional fertilizers in *irrigated* **sugarbeet** crops. 041053
Use of saline water in agriculture. I. Description of the **system** *[Irrigation].* 041232
Sprinkler *[irrigation]* **system** design for operation in variable wind. 041282
Can you prepare a master plan on existing projects? *[Irrigation* **system].** 041404
Master planning to avert a water crisis [Golf course, *irrigation* **system].** 041406
What happens without a master plan? *[Irrigation* **system].** 041412
Irrigation **system** for residual waters of Braunschweig, Federal Republic of Germany. 041416
The *irrigation* **system** Sadova-Corabia has come into operation. 041419
The investment requirements of rain-plants in the *irrigation* **systems** at Kiskore. 031462
Results concerning the behaviour in exploitation of some *irrigation* **systems,** based on modern solutions, in southern Baragan and in the Oltenia plain. 041418
The basic method for field **trials** under *irrigation.* 041238
Trickle *irrigation* in Australia. 041435
A simple and inexpensive chlorinator for **trickle** *irrigation* systems. 041439
Trickle *irrigation* blockages can be removed and prevented. 041440
Land application of municipal effluent waste [for *irrigation]* on **turf.** 041049
Santa Barbara problem as an example of what may lie ahead **[Turfgrass** *irrigation].* 041410
Determination of irrigation rates for a thorough **washing** *irrigation.* 041400
Equipment used to meet health regulations for effluent **water** use [for *irrigation].* 040517
Evapotranspiration as a basis for *irrigation* **water** requirement calculations. 041219
Testing of *irrigation* **water** prevents soil and crop damage. 041243
The operation of pipelines and hoses under high muddiness of *irrigation* **water.** 041273
Improve quality of *irrigation* **water.** 041338
Remarks on the economic efficiency of *irrigation* **water** [Maize, cost, returns]. 041343
Methods of *irrigation* and **water** regime of lucerne as affecting its morphological structure and root system. 041423
Integrated utilization of underground and surface **waters** for *irrigation.* 041260
Varieties and hybrids of agricultural crops cultivated under conditions of *irrigation* **[Wheat,** barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Irrigation of **winter** wheat under conditions of the plain in the south of Romania. 041415
Irrigation of **winter** wheat in wedge-shaped furrows. 041461
Irrigation in **world** agriculture. 041287
Fertilization, *irrigation* and **yield** of sheep pastures. 038057
Soil and ground water salination in the Stara **Zagora** *irrigation* system. 041401

ISCHAEMUM
An electron microscopic study of the nucellus cells in **bothriochloa** *ischaemum* L. 036296

ISOBUTYL
Origin of *di-isobutyl* **phthalate,** a contaminant mimicking nonadecenoic acid in fatty acids of egg membrane lipids. 033124

ISOBUTYRIC
17-beta-estradiol and transportation of *alpha-amino-isobutyric* **acid** in chicken's liver sections. 033884

ISOCITRATES
Post-transcription control of *isocitrate* **lyase** induction in the eukaryotic alga Chlorella fusca. 037132

ISOCOUMARINS
Homalicine & (-)-dihydrohomalicine, two **new** *isocoumarin* glucosides from Homalium zeylanicum Benth. 036985

ISOELECTRIC
Studies on biosynthesis of soluble lens crystallin antigens in the chick by *isoelectric* **focusing** in thin-layer polyacrylamide gel. 033888
Electromobility of aquatic humus: fractionation by the use of the *isoelectric* **focusing** technique. 040625

ISOENZYMES
Lactate dehydrogenase and *isoenzyme* **changes** in rats with experimental thiamine deficiency. 032387
Genetic studies on European larch (Larix decidua Mill.) **employing** *isoenzyme* polymorphisms. 036495
Behaviour of **lactate-dehydrogenase** *isoenzyme* in blood serum of sows during parturition. 034746
Phospholipase A2, *isoenzyme* from **porcine** pancreas purification and some properties. 033810

ISOETES
The spores and taxonomy of *Isoetes* **butleri** and Isoetes melanopoda [Pteridophyta]. 035949

ISOFLAVONES
Further *isoflavones* from Pterodon apparicioi. 037164
Degradation of flavonoids and *isoflavones* **[metabolically** active plant constituents], a review. 036796
Studies on the constituents of flowers. V. On the components of flower of [Kudzu] Pueraria thunbergiana Benth. 2. Isolation of a **new** *isoflavone* glycoside. 037482
Isoflavones of the **roots** of Lupinus luteus [Lupine]. 037385

ISOGENIC
Spontaneous male recombination and mutation in *isogenic-derived* **chromosomes** of Drosophila melanogaster. 039853
A method for determining the survival rate of *isogenic* **erythrocytes** in the blood flow of cattle in cases of transfusions. 033880
Amino acid composition of *isogenic* **lines** in barley. 037466

ISOHUMULONES
Gas chromatographic procedure for the analysis of *isohumulone* **[Hops].** 032860

ISOMERASES
Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate **dehydrogenasephosphohexose** *isomerase].* 034606

ISOMERS
Extraction and *isomerization* of **bitter** substances of hops. 032727
Studies directed toward a practical synthesis of brevicomin. V. *Isomer* **enrichment** of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. 039392
Geometrical *isomerization* of 1,5-dienes: isomers of gossyplure, the pink bollworm [Pectinophora gossypiella] sex attractants. 039289
Influence of solvents on *isomerization* in the **hydrogenation** of cottonseed oil. 033211

Optical *isomers* of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Determination of vitamin D3 and its *isomers* in D3 **resins** and in mixtures with vitamin A acetate. 032367

ISOMETRY

Oppositional effects of acetylcholine and isoproterenol on *isometric* **tension** and cyclic nucleotide concentrations in rabbit atria. 034050
New host plants of **three** *isometric* plant viruses. 038875

ISOPEROXIDASES

Cell *isoperoxidases* in sweetpotato plants in relation to mechanical injury and ethylene. 037809
Changes in *isoperoxidases* during **cold** treatment of dormant pear embryo. 037810
Genetic variability studies of *isoperoxidases* and **morphological** characters in sugarcane subclones produced by "in vitro" culture. 036633
Effect of darkness on *isoperoxidases* in **tobacco** tissue cultures. 037512

ISOPODA

The water content of muscle and cuticle of the *woodlouse* **Oniscus** asellus in conditions of hydration and desiccation. 039682
New species of the genus **Protracheoniscus** *(Isopoda,* Oniscoidea). 040176

ISOPODS

Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a wood **boring** *isopod]* and records of other species [Tests with various kinds of woods]. 038625

ISOPRENE

Synthesis of compounds containing the *isoprene* **unit.** A stereospecific synthesis of dehydronerol isovalerate, a component of Anthemis montana L. 037287

ISOPROPYL

The effect of **atrazin** *(2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine)* on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920

ISOPROTERENOL

Oppositional effects of acetylcholine and *isoproterenol* on **isometric** tension and cyclic nucleotide concentrations in rabbit atria. 034050

ISOPTERA

Endocrine activity during caste differentiation in Zootermopsis angusticollis **Hagen** *(Isoptera):* a morphometric and autoradiographic study. 039661
Endocrine control of caste differentiation in Zootermopsis angusticollis **Hagen** *(Isoptera).* 039662
Influence of Basidiomycetes [Fungi] on the development of neotenics in Heterotermes **indicola** *(Isoptera).* 039869
The genus **Protermes** *(Isoptera:* Termitidae): description of imago caste and new records from central Africa. 040101
A multivariate study of mandibular characters in fifth instar workers and nymphs of Drepanotermes perniger (Froggatt) *(Isoptera:* **Termitinae).** 039813

ISOQUINOLINE

Beta-phenethylamines and the *isoquinoline* **alkaloids** [Plants]. 036737

ISOSPORA

Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of *Isospora* **bigemina** from cats. 035292

ISOTHERM

On the **local** *isotherm* concept and modes of moisture binding in food products. 032851
Humectant water **sorption** *isotherms* [for use in foods]. 032812

ISOTOMIDAE

Collembola from the East Pamirs. II. The **family** *Isotomidae* [New taxa]. 040049

ISOTOPES

DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [**americum** *isotopes]* from a simulated wound site [Dogs]. 035411
The fractional composition of strontium 90 *[isotope]* and **calcium** in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, radioactive contamination]. 040877
Utilization of 14C [**carbon** *isotope]*- labelled Escherichia coli by rats [Nutrition]. 032191
Metabolism of 14C [**carbon** *isotope]-glutamic* acid and 14C-DL-arginine in chickens with different genotypes of the blood catalase. 033883
Metabolism of L-leucine-U-14C [**carbon** *isotope]* in young rats fed excess glycine diets. 034252
The rate of incorporation and degradation of phenylalanine-14C [**carbon** *isotope]* by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. 034427
Incorporation of [2-14C [**carbon** *isotope]* acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Effect of experimental Neguvon intoxication on iron, copperand 14 C [**carbon** *isotope]* glycine content in the blood of poultry. 035404
Nuclear magnetic resonance analysis of hydrogen and **carbon** *isotopes* of azulene extract derivatives of Eriocephalae punctulactus. 036860
Nonmetabolic catalysis of 14C [**carbon** *isotope]-furfuryl* amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
The use of mid-day 14C [**carbon** *isotope]* fixation studies inthe determination of primary productivity in lake systems [Algae]. 037246
The effects of defoliation on the pattern of 14C [**carbon** *isotope]* assimilate distribution in the long peach shoots. 037687
Studies on the quality of citrus fruits. III. Translocation of 14C [**carbon** *isotope]-labeled* compounds from leaves to fruit in Satsuma mandarin oranges. 037757
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C [**carbon** *isotope]-labelled* assimilates in spring wheat. 038570
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C [**carbon** *isotope]-sucrose* incorporation in their tissues. 039110
14C [**carbon** *isotope]-labelled* material leached from the rhizosphere of plants supplied continuously with 14CO2 [carbon dioxide isotope]. 040805
Effect of drought on post-photosynthetic conversions of **C14**[**carbon** *isotope]* in [broad] bean leaves. 037579
144Ce [**cerium** *isotope]* in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413
Study on the effect of dry seed irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and **cesium** *isotopes]* on the economic qualities of alfalfa. 038138
Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, sodium, **chlorine** *isotopes]* in Nitella translucens [Algae]. 037039
The energy spectrum of a relatively large kilocurie 60Co [**cobalt** *isotope]* source used in agriculture. 031087
Effect of seed irradiation (60Co) [**cobalt** *isotope]* on the development of coloring substances and total surface of tomato leaves. 037618
Effect of pre-sowing gamma irradiation (60Co) [**cobalt** *isotope]* on yield development of earliest red radish (Raphanus sativus sub. var. radicula). 038226
The effect of ionizing radiation CO60 [**cobalt** *isotope]* on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402
Transport of indoleacetic acid-carbon 14 *[isotope]* under various **conditions** of potassium nutrition [Field beans, sunflowers]. 037434
Removal of inhaled 239PuO2 [plutonium **dioxide** *isotope]* from beagle dogs by pulmonary lavage. 033911
14C [carbon isotope]-labelled material leached from the rhizosphere of plants supplied continuously with 14CO2 [carbon **dioxide** *isotope].* 040805
Radiation doses from iodine-129 *[isotope]* in the **environment.** 041524
Intraaxonal and extraaxonal transport of **125I**-[**iodine** *isotope]-tetanus* toxin in early local tetanus [Cats]. 035167
125I [**iodine** *isotope]* radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH [bovine parathormone] with high specific activity and without destroying biological activity. 034122
Distribution of gonadotropic hormones labelled with 125I [**iodine** *isotope]* in animal organs and tissues. 034182
Proteolytic activity of beef liver determined by natural substrates labelled with 125I [**Iodine** *isotope].* 034223
Radioimmunoassay of arthropod moulting hormone: beta-ecdysone antibodies production and 125I [**iodine** *isotope]-iodinatedtracer* preparation. 039743
Turnover of 15N-14C [nitrogen **isotope-carbon** *isotope]* acetyl urea in sheep. 034321
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 *[isotope]-leucine* and. 034303
The utilization of potassium 40 *isotope* for **labelling** in the study of potassium intake from fertilizers and soil by plants. 040879
The use of natural Pb-210 [**lead** *isotope]* as a heavy metal tracer in the river-estuarine system. 041216
54Mn [**manganese** *isotope]* uptake by the ovaries and reproductive tract of cycling and anestrous ewes. 033853
The binding of 86 rubidium *[isotope]* by a **microsomal** fraction of the ox cortex cells. 034218
Prognosis of cesium 137 *[isotope]* **migration** in soils [Radioactive contamination]. 040739
Total muscle mass in malnourished children measured by N [**nitrogen** *isotope]-creatine.* 032326
Incorporation of N from intravenously administered 15N [**nitrogen** *isotope]* labelled urea into the bacterial protein in the sheep. 033721
Passage of the intravenously administered 15N [**nitrogen** *isotope]* urea into the digestive tract and its excretion in thesheep. 033722
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [**nitrogen** *isotope]* urea into the basic amino acids of goat milk. 034317
Turnover of 15N-14C [**nitrogen** *isotope-carbon* isotope] acetyl urea in sheep. 034321
Quartz **oxygen** *isotopic* stability in relation to isolation from sediments and diversity of [soil] source. 040771
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [**phosphorus** *isotope]* into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
An investigation into the study of phosphorus nutrition of soybeans in pot tests using P32 [**phosphorus** *isotope].* 040858
Studies of injected 237Pu(IV) [**plutonium** *isotope]* citrate in Beagles [Dogs]. 033912
The subcellular distribution of 239Pu [**plutonium** *isotopes]* in rat liver parenchymal cells after exposure in vivo and invitro. 033913
Response of femoral and vertebral colony-forming units to 226Ra [**radium** *isotope]* internal contamination in mice [Toxicity]. 035434
Preliminary investigations on the possitility of applying a **rapid** *isotopic* method for comparing the intensity of photosynthesis in the alfalfa leaves. 037504
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [**selenium** *isotopes]* in the mouse, rat, monkey and dog. 033909
Entrance of 90 Sr [**strontium** *isotope]* into meadow grasses from different soils of the Nonchernozemic zone [Radioactive contamination]. 033567
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (**strontium** *isotope]* administration and age of animals [Swine, dogs]. 034168
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and **strontium-yttrium** *isotope]-labeled* Beagle humeri [Dogs]. 033910
90SR-90Y [**strontium-yttrium** *isotope]* dose distribution in Beagles: injection relative to ingestion [Dogs]. 033915
Use of the stable N15 [nitrogen] *isotope* to **study** the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy loam soil. 041097
Effect of selenium on the 35S [**sulfur** *isotope]-cysteine* metabolism in lambs. 033881
Determination of methionine requirements with 35S [**sulfur** *isotope]* methionine determined on the basis of metabolic data[Rats]. 034304
35S [**sulfur** *isotope]* translocation and reduction in Sinapis arvensis L. depending upon the light regime. 036921
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during pyrrolizidine alkaloid biosynthesis [in Senecio by *double-isotope* **technique].** 037161
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [**thorium** *isotope]-dotetracontapeptide* (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 *[isotope]-leucine* and **tritiated** glycine. 034302
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [**uranium** *isotope,* algae]. 036691
Effects of carnitine on oxygen uptake and utilization of (U-14C) [**uranium-carbon** *isotope]* palmitate by ejaculated bull spermatozoa. 034683
Metabolism of A cobalt 58 *[isotope]-tagged* **vitamin** B12 in normal and fasting albino rats. 032494

ISOTYPES

New Lichens, [in Lecanora, Ramalina and Usnea] **whose** *isotype* will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the Botanical Institute of the Czechoslovak Academy of Sciences]. 036013

ISOZYMES

Cytoplasmic synthesis of soluble and mitochondrial malate **dehydrogenase** *isozymes* in maize. 037356
Formation of molecular hybrid forms in the system of *isozymes* of **malate** dehydrogenase in cotton and Fusarium [oxysporumvasinfectum]. 038804
Isozymes **patterns** and enzyme activity of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Genic analysis for acid **phosphatase** *isozymes* in Oryza perennis and Oryza sativa [Rice]. 036407
Carbohydrate compositions of the rabbit **plasminogen** *isozymes.* 033759
Intrapopulation variability of *isozyme* **spectrum** of peroxydases in varieties of inbred lines of radish. 036521
Horse liver aldehyde dehydrogenase: Purification and characterization of **two** *isozymes.* 034040

IXODES

The biology of *ixodes* **(Ceratixodes)** uriae White, 1852 in Newfoundland. 039603
Recent records of ticks, *Ixodes* **cookei** Packard and Dermacentor variabilis (Say) (Acarina: Ixodoidea) in southwestern Ontario. 040043

Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a parasite of ticks *[Ixodes,* **Haemaphysalis,** Ornithodoros] in Queensland. 039483
The absolute registration of **pasture** *ixodid* ticks (parasitiformes, Ixodidae) from the eastern slope of Sikhote-Alin. 039502
Materials on the distribution of *Ixodes* **pavlovskyi** Pom. In the Altai (Acarina, Ixodidae). 040136
The ability of the females of ixodid ticks to recover after DDT poisoning during feeding *[Ixodes* **persulcatus,** Haemaphysalis concinna, Dermacentor silvarum]. 039501
First contribution to the ecological study of *Ixodes* **ricinus** (Linne, 1758) (Acarina, Ixodoidea) in southeastern France. 039436
The role of mammals in natural foci of tick-borne *[Ixodes* **ricinus**] encephalitis in Central Europe. 039457
Scanning electron microscopy of the **ticks** *Ixodes* laguri andIxodes arboricola: surface structures of Haller's organ. 039456
The ability of the females of *ixodid* **ticks** to recover after DDT poisoning during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501

IXODIDAE
Materials on the distribution of Ixodes pavlovskyi Pom. In the Altai **(Acarina,** *Ixodidae).* 040136
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: *Ixodidae)* **[Dairy** cattle, pests]. 039470
The absolute registration of pasture ixodid ticks (parasitiformes, *Ixodidae)* from the **eastern** slope of Sikhote-Alin. 039502
Relationships of immature Dermacentor variabilis (Say) (Acari: *Ixodidae)* with the **white-footed** mouse, Peromyscus leucopus, in southwestern Wisconsin. 039485

IXODIDES
National [livestock] tick *[Ixodides]* **surveillance** program, calendar year 1974. 039446

IXODOIDEA
A rapid spectrophotometric method for the monitoring of embryonic development in ticks [Boophilus decoloratus] **(Acarina:** *Ixodoidea).* 039893
First contribution to the ecological study of Ixodes ricinus (Linne, 1758) (Acarina, *Ixodoidea)* in **southeastern** France. 039436
Recent records of ticks, Ixodes cookei Packard and Dermacentor variabilis (Say) (Acarina: *Ixodoidea)* in **southwestern** Ontario. 040043

JAMS
How to make jellies, *jams,* and **preserves** at home. 033384

JAW
Analysis of activity of muscle spindles of the *jaw-closing* **muscles** during normal movements in the cat. 034071

JELLY
How to make *jellies,* **jams,** and preserves at home. 033384
Dimethylnitrosamine in souse and **similar** *jellied* cured-meat products. 032011

JOISTS
Bowing in **roof** *joists* induced by moisture gradients and slope of grain [Wood]. 035889

JUGLANS
Rooting of walnut *[Juglans]* **grafts** depending on the supply of water. 037667
Dependence of stomatal number and size in *Juglans* **regia** L. on ecological conditions. 037699
On grafting dates for *Juglans* **regia.** 038473
Anthracnose of walnut **trees** *(Juglans* regia L.) produced by Phyllosticta juglandis (D.c.) Sacc. 038785

JUICES
Variations in the polyol content during fermentation of **apple** *juices* and wines. 033442
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing **bitterness** of *juices].* 033414
Bitterness prevention in **citrus** *juices:* Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. 033411
Use of Ough's method to determine proline in light and highly colored **fruit** *juices* and their concentrates [Adulteration]. 032132
Analyses of authentic **fruit** *juices* of the 1974 vintage. 033430
Free amino acids of enzymically brightened **[fruit]** *juices.* 033439
Composition and qualith of commercial **orange** *juices.* 1. Bottled orange juices sold in European countries not producing citrus fruit. 033362
Bitterness prevention in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in **orange** *juices].* 033411
Quality control of the 1975 wild mushroom and berry crops in the Bavarian Forest—characteristics of wild **raspberry** *juices.* 032049
Gas chromatographic method for determining acids in technical **sugar** *juices.* 033310
Periods of difficult mud settling **[Sugarcane** *juices,* processing]. 033245

JUJUBE
The *jujube* **oil** [Composition]. 033447

JUNCUS
Manual of the **rushes** *(Juncus* spp.) of the Rocky Mountains and Colorado Basin. 036167
The development and shoot formation of *Juncus* **trifidus** L. In the Khibiny Mountains. 036844

JUNGERMANNIA
Studies on Jungermannioideae (Hepaticae). 8. *Jungermannia* **subgenus** Plectocolea and subgenus Solenostoma in Australia, New Zealand and Oceania [New Taxa]. 036015

JUNGERMANNIOIDEAE
Studies on *Jungermannioideae* **(Hepaticae).** 8. Jungermannia subgenus Plectocolea and subgenus Solenostoma in Australia, New Zealand and Oceania [New Taxa]. 036015

JUNIPERUS
Effects of pruning severity and frequency and fertilizer levels on growth and quality of *Juniperus* **chinensis** varieties 'Pfitzeriana' and 'Hetzi'. 038455
A comparison of [the fertilizer] Osmocote 18-6-12 and 18-913 for use in containers *[Juniperus* **chinensis,** Ilex cornuta]. 041064
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, *Juniperus* **chinensis].** 041068
Response of *Juniperus* **chinensis** 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of single superphosphate in two container sizes. 041069
Response of *Juniperus* **chinensis** 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of micronutrient fertilizer in two container sizes. 041070
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, *Juniperus* **procumbens].** 041065

JURINEA
Lactones of *Jurinea* **maxima.** 036888

JUTE
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of *jute* in **Bangladesh.** 031564
A note on the pollen morphology of *Corchorus* **capsularis** Linn. Corchorus olitorius Linn. and their hybrid. 036304
Influence of N, P, K [nitrogen, phosphorus, potassium] on stem rot [Macrophomina phaseoli] incidence of **capsularis** *jute.* 038657
Seed-borne fungi of *jute* and their **control.** 038715
Committee on Commodity Problems, Intergovernmental Group on *Jute,* **Kenaf** and Allied Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. 031564
Committee on Commodity Problems, Intergovernmental Group on *Jute,* **Kenaf** & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. 031565
Committee on Commodity Problems, Intergovernmental Group on *Jute,* **Kenaf** and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. 031756
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price **levels** for *jute.* 031565
A note on the pollen morphology of Corchorus capsularis Linn. *Corchorus* **olitorius** Linn. and their hybrid. 036304
A new cropping **pattern** with *jute.* 038025

JUVENILE
The difference in absorption of bull seminal ribonuclease by organ tissues of *juvenile* and **adult** mice. 033906
Effects of some *juvenile* **hormone** analogues on the last instar larvae of Cephonodes hylas L. (Lepidoptera). 039211
Juvenile **hormone** active principle in Attacus atlas L. [In the control of Ostrinia furnacalis, pest of corn]. 039215
Age-dependent changes in *juvenile* **hormone** esterase and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, Leptinotarsa decemlineata. 039877
Formation of genital system in Tenebrio molitor at latent stages of ontogenesis determined by means of the *juvenile* **hormone** analogues. 039968
Sex determination in bees. IV. Genetic control of *juvenile* **hormone** production in Melipona quadrifasciata (Apidae). 040225
Control of various functions by various *juvenile* **hormones** in the cockroach Nauphoeta cinerea. 039908
Effect of low moisture level on catalase activity in some [field] crop plants during *juvenile* **phase.** 037346
Laboratory and field trials with two **synthetic** *juvenile* hormone analogues on four aphid species [Pest control]. 039207

KAEMPFEROL
Glycosides of *kaempferol* from **Campanula** hypopolia. 036882

KALANCHOE
Kalanchoe **blossfeldiana** 'Tetra Vulcan': suggestions for growing as a pot plant. 037712
Effect of rifampin application time on crown-gall tumor induction by Agrobacterium tumefaciens *[Kalanchoe,* **carrots,** kidney beans]. 038856

KALE
Development of water stress in *kale* **leaves** of different insertion levels. 037663

KALLIKREIN
Isolation of *kallikrein* from **mammary** gland of cows. 034160
Control of *kallikrein* **secretion** from salivary glands. 033951

KALOTERMITIDAE
Kalotermitidae of the **Oriental** region, its distribution andzoogeography. 040166

KAOLINITE
Redox dependence of papain enzyme activity on **charged** *kaolinite* surfaces and in solution [Clay minerals]. 040801

KAOLINS
Explorations of principal stress space with *kaolin* in a **true** triaxial apparatus [Soil testing]. 040586

KARYOLOGY
Karyological **studies** on crown gall tumors [caused by Agrobacterium tumefaciens] of the pea. 036329

KARYOTYPES
Positional effects of the polar plasm on the *karyotype* **differentiation** in Heteropeza pygmaea (Cedidomyiidae, Diptera). 039911
On the origin of *karyotype* of the **genus** Galanthus L. 035979
Karyotype of the **guinea** fowl under normal conditions. 034603
Karyotype of an **interspecific** hybrid of the urial (Ovis vignei) with the Kazakh Fine-Fleeced sheep. 034820
Karyotype of the **Kazakh** Arkhar-Merino sheep. 034821
A study of similar species of aphids with different *karyotypes* by the **method** of DNA cytophotometry [Anuraphis farfarae, Anuraphis subterranea]. 039691

KATYDIDS
Two **new** *katydids* of the genus Melanonotus [tico, Melanonotus powellorum] from Costa Rica with comments on their life history strategies (Tettigoniidae: Pseudophyllinae). 040045

KELP *see* SEAWEED

KENAF
Committee on Commodity Problems, Intergovernmental Group on Jute, *Kenaf* and **Allied** Fibres; eleventh session, Rome, 19-21 January 1976. Domestic prices of jute in Bangladesh. 031564
Committee on Commodity Problems, Intergovernmental Group on Jute, *Kenaf* & **Allied** Fibres; eleventh session, Rome, 19-21 January 1976. Competitive price levels for jute. 031565
Committee on Commodity Problems, Intergovernmental Group on Jute, *Kenaf* and **Allied** Fibers; eleventh session, Rome, 19-21 January 1976. The statistical situation. 031756
Problems of **expanding** *kenaf* growing [in the Uzbek SSR]. 038072
Herbicides on *kenaf* **plantings.** 039143
Sulfate **pulping** of *kenaf.* 033227
The sowing of **seed** *kenaf* with broad interrow spacings. 038075

KERATINIZATION
Epidermal protein metabolism directed toward *keratinization* by **hydrocortisone** in the chick embryonic skin growing in a chemically defined medium. 033876

KERATITIS
The structure of pili (fimbriae) of Moraxella bovis [Bacteria pathogenic to animals, **infectious** *keratitis].* 035039

KERATOCONJUNCTIVITIS
Experimental production of infectious **bovine** *keratoconjunctivitis:* comparison of serological and immunological responses using pili fractions of Moraxella bovis. 035030
The relative incidence and effect of bovine **infectious** *keratoconjunctivitis* in Bos indicus and Bos taurus cattle. 034979

KERNELS
Amino acid composition of opaque-2 [corn] *kernels* from different **backgrounds.** 037332
Oil characteristics of sweet and sour **cherry** *kernels.* 033423
Process of dry matter accumulation into the *kernel* and **grain** characteristics of Japonica and Indica rice [Varieties]. 033288

Dimensional changes in peanut pods, *kernels*, and **hulls** as moisture is removed during drying. 033165
Investigation on fat quality of embryo, endosperm and crush fractions of **maize** *kernel*. 033304
Differential scanning calorimetry of **palm** *kernel* oil products. 032856
Characteristics of **pistachio** *kernel* oils from Iranian cultivars. 033419
The feedingstuff potential of cashewnut **scrap** *kernel* meal [Rats, swine]. 034370
Chemical and microbial changes in dehulled confectionery **sunflower** *kernels* during storage under controlled conditions. 033271
Breakage of long-grain rice in relation to *kernel* **thickness.** 033201

KETOGENESIS
Different regulation of **hepatic** *ketogenesis* during starvation in rats and pigeons. 033985

KETONES
Blood *ketone* body content of ewes administered propionic acid with concentrated forage for a long time. I. 034532
Ontogenetic specificity of metabolism of *ketonic* **bodies** in ruminants (review). 034189
Structure of zerumbone oxide, a new sesquiterpene **epoxy** *ketone* from Zingiber zerumbet Smith (wild ginger oil). 037750

KETOSIS
Resistance to *ketosis* during **prolonged** fasting by rats fed on a diet containing undecanoic acid, an odd-carbon-number fatty acid. 032186

KIDNEYS
Enzyme activity in *kidney*, **adrenal** and gonadal tissue of rats treated neonatally with androgen or oestrogen. 034055
The vital capacity of the *kidney* after **autovenoplastics** of its artery [Dogs]. 033775
Quality factors affecting the nutritive value of *[kidney]* **bean** seed protein [Methionine]. 032210
Flowering and fruit set of *[kidney]* **bean** (Phaseolus vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris *[kidney* **bean**] xylem by the use of an azo-dye method. 037774
Effect of the host plant *[kidney* **bean**] nutrition on the population of the two spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris *[kidney* **beans**] phloem by the use of the azo dye method. 036362
Heritability estimates of percentage seed protein and available methionine and correlations with yield in dry *[kidney]* **beans.** 036430
Certain problems of nitrogen metabolism in plants [of *kidney* **beans**] under expansion of tissues induced by 2,4-dichlorophenoxyacetic acid. 037622
A comparative study of the effects of photoperiod on flower bud development and stem elongation in three varieties of Phaseolus vulgaris, L. *[Kidney* **beans**]. 037630
General and specific features in the process of rhizogenesis in stem and leaf cuttings of *kidney* **beans.** 037678
Triplet states of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees *[Kidney* **beans,** peas]. 037685
Seed selection for potential viability *[Kidney* **beans,** peanuts, cotton]. 037780
The induction of transport channels by auxin *[Kidney* **beans**]. 037818
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of leaf heating *[Kidney* **beans**]. 037869
About the major changes in the varietal zoning of grain legumes [Peas, *kidney* **beans,** chickpeas]. 038535
Effect of rifampin application time on crown-gall tumor induction by Agrobacterium tumefaciens [Kalanchoe, carrots, *kidney* **beans**]. 038856
Organizing mechanized harvesting of soybeans and *kidney* **beans.** 040523
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil *[Kidney* **beans,** oats, radioactive contamination]. 040877
A comparative study of gamma-ray, fast-neutron and ethyleneimine mutagenic effects on Phaseolus vulgaris *[kidney* **beans**]**chromosomes.** 036470
Cytological characteristics of **bovine** *kidney* cell culture chronically infected with foot-and-mouth disease virus. 035279
Propagation and characterization of Ranikhet (Newcastle) disease virus in chicken embryo fibroblast and *kidney* **cell** culture. 035084
The regulatory role of calcium in 25-hydroxycholecalciferol metabolism in **chick** *kidney* in vitro. 033769
Functional disorders of the *kidney* **dependent** upon extrarenal factors. 035356
Development of the **giant** *kidney* worm, Dioctophyma renale (Goeze, 1782) (Nematoda: Dioctophymatoidea) [Found in mink]. 035040
Ferrihemoglobin and *kidney* **lesions** in rats produced by 4-aminophenol or 4-dimethylaminophenol. 035393
Lead and mercury residues in *kidney* and **liver** of Canadian slaughter animals. 031977
Relatonship between sodium excretion and renin secretion by the **perfused** *kidney* [Dogs]. 034154
Pig *kidney* epithelial (PS) cells: a perfect tool for the study of Flaviviruses and some other arboviruses. 034960
A fluorescent probe study of the lipid mobility of membranes containing sodium- and potassium-dependent adenosine triphosphatase [**Sheep** *kidney]*. 034105
Biotin deficiency and fatty liver and *kidney* **syndrome** in chicks given purified diets containing different fat and protein levels. 034344
Response of renal calcium-binding protein independence of *kidney* **vitamin** D hydroxylation [in chickens]. 034343

KIDS *see* **GOATS**

KINASES
Purification of **creatine** *kinase* from bull heart mitochondria. 033827
Nucleoside **diphosphate** *kinase* of beef erythrocytes. Purification of the phosphorylated form. 033819
Effects of adenosine 3':5'-monophosphate-dependent **protein** *kinase* on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic monophosphate-dependent **protein** *kinase*. 034200
Protein *kinase* in cultured plant cells. 036821
Regulation by **pyruvate** *kinase* and phosphatase of inorganic phosphate incorporation during photophosphorylation. 036970
A revised preparation of yeast (Saccharomyces cerevisiae) **pyruvate** *kinase*. 037019

KINETINS
Stimulation of ethylene production in the mung bean hypocotyls by cupric ion, calcium **ion,** and *kinetin*. 037527
Some aspects of practical application of *kinetin* [for **plant** growth and the formation of nodules and tubers]. 037709
Effect of *kinetin* on **potato** growth and productivity. 037862
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl amino **purine** *(kinetin)* and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Effect of gibberellin and *kinetin* on the **rate** of photophosphorylation in maize seedlings. 037424

KITCHENS
Crime in the *kitchen*. 032646
The need: getting more out of **existing** *kitchens*. 032661
Cutlery: sharp eye on care keeps *kitchen* **humming.** 032653
Kitchen **search** (Game). 032648
Processing appliances: technology **sweeps** the *kitchen*. 032657
Washability of syntanol DC-10 from *kitchen* **utensils.** 032918

KLUYVEROMYCES
The isolation of yeast nuclei and methods to study their properties [Saccharomyces carlsbergensis, *Kluyveromyces* **fragilis**]. 037111
Reltionship between the presence of linolenic acid and the ability to form respiration-deficient mutants in yeast [Candida pseudotropicalis, Debaryomyces hansenii, *Kluyveromyces* **marxianus**]. 036948

KNIT
Migration of finishing agent in tubular processing of *knitted* **cotton** fabrics. 033176
Processing facilities and program for research on **cotton** *knits*. 033183
Shrinkage control of durable-press **cotton** *knits*. 033184

KNOTS
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of *root-knot* **[nematode]** caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Meloidogyne microtyla *[root-knot* **nematode**] sp. Nov. From southwestern Ontario, Canada. 038967
Cellulase secretion by second stage larvae of the *root-knot* **nematode** (Meloidogyne javanica) [Tomatoes]. 039032
Effects of various plants on *root-knot* **nematodes** in two-years tobacco rotation plots. 039005
Pathogenicity and control of *root-knot* **nematodes** (Meloidogyne spp.) infecting chickpea. 039037
Comparative study of Nicotiana tabacum [tobacco] varieties in relation to **root** *knot* nematodes. 038949

KOCHIA
Isolation of a pure fungal culture during cultivation of cells of *Kochia* **americana.** 037278

KOHLRABI
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in *kohlrabi*, **cauliflower,** and tomatoes). 037824
Kohlrabi 2d **ed.** Rev. 032540

KRAFT
How hardwoods respond to H2S [hydrogen sulfide] **pretreatment** *kraft* pulping. 035855
Full forest utilization. II. Quality and *kraft* **pulp** yield of eastern Canadian hardwoods. 035849

KUDZU
Studies on the constituents of flowers. V. On the components of flower of *[Kudzu]* **Pueraria** thunbergiana Benth. 2. Isolation of a new isoflavone glycoside. 037482

KYNURENINE
Occurrence of *kynurenine* **aminotransferase** in extracts of yeasts. 036849

LABELING
Absorption and incorporation of *tracer-labelled* **amino** acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon l4 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of *tracer-labelled* **amino** acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon l4 [isotope]-leucine and. 034303
The binding of *labelled* **basic** proteins by boar spermatozoa. 034695
Studies on the quality of citrus fruits. III. Translocation of 14C **[carbon** *isotope]-labeled* compounds from leaves to fruit in Satsuma mandarin oranges. 037757
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C **[carbon** *isotope]-labelled* assimilates in spring wheat. 038570
14C **[carbon** *isotope]-labelled* material leached from the rhizosphere of plants supplied continuously with 14CO2 [carbon dioxide isotope]. 040805
Light inhibits the *labelling* of **gangliosides** in chicken retina. 034113
A comparative study on the irreversible binding of *labeled* **halothane** trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in vitro and in vivo [in mice]. 035391
Distribution of gonadotropic **hormones** *labelled* with 125I [iodine isotope] in animal organs and tissues. 034182
Utilization of 14C [carbon **isotope]-** *labelled* Escherichia coli by rats [Nutrition]. 032191
Quality wines in Italian and European Economic Communuty **legislation** *[Labeling]*. 031787
A method for extraction of soil **moisture** *labeled* with deuterium. 040719
Balancing the costs and benefits of **nutrient** *labeling*. 032017
Emerging food patterns: coping with reality **[Nutritional** *labeling]*. 032124
Photoaffinity *labeling* of concanavalin A [from jackbeans]: preparation of a concanavalin A derivative with reduced valence. 037473
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and **strontium-yttrium** *isotope]-labeled* Beagle humeri [Dogs]. 033910
Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in yeast [Saccharomyces cerevisiae]. II. *Labelling* **studies** of the precursor product relationship. 036825
The utilization of potassium 40 isotope for *labelling* in the **study** of potassium intake from fertilizers and soil by plants. 040879
Proteolytic activity of beef liver determined by natural **substrates** *labelled* with 125I [Iodine isotope]. 034223
Incorporation of N from intravenously administered 15N [nitrogen isotope] *labelled* **urea** into the bacterial protein in the sheep. 033721
Studies with *labelled* **urea** on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of goat milk. 034317

LABIATAE
Proof and isolation of iridoid glucoside from Galeopsis tetrahit L. *(Labiatae)* as **well** as structure elucidation of gluroside. 037148

LABOR
On the problem of *[labor]* **accidents** in the livestock industry. 031386
Dynamics and structure of *labor* in the **agriculture** of Hungary [Statistics]. 031763
Suggestions on the development of forms of *[labor]* **compensation** according to performance. 031342
Equipment probe 7: **cut** *labor* and material costs with systematized dishwashing. 032663
Labor **efficiency** in poultry processng plants. 033123
Substitution of *labour* and **energy** in agriculture and options for growth. 031362
Health, *labor* and **fire** protection as a task of [farm] management. 031327
Improving the organization of *labor* in **forest** management. 035575
Socioeconomic dimensions of Florida citrus **harvesting** *labor*. 031279
The scientific organization of *labor* as an **important** factor in the effective utilization of rural manpower. 031393
Proceedings in developing technics in respect of **increasing** *labour* and energy costs in farm production. 031347

Wintergrazing beef cattle on Louisiana farms *[Labor,* **management].** 031275
Culinary apprenticeships earn respect from *labor,* **management.** 032595
Labor-saving **management** in the control of poultry diseases. 034880
Improvement of *labor* **organization** and wages in mechanized teams [in fiber flax growing farms]. 031355
Flow line management of *labor* in the **postharvest** processing of grain [on collective farms]. 031397
A comparative analyse of the *labour* **requirements** and the costs involved in various dairying procedures. 033612
Northumberland in the 1870s **[Rural** *labor* unrest]. 031075
Village radicalism in East Anglia 1800-50 **[Rural** *labor* unrest]. 031077
Organization of *labor* in **silviculture** brigades. 035666
The effect of *labour* on **uterine** blood flow in the pregnant ewe. 034790
Regions under the microscope *[Labor* and **utilization** of agricultural and forest lands]. 031256

LABORERS
Physical working capacity in a tropical country **[Agricultural** *laborers].* 031377

LACCASE
A paramagnetic intermediate in the reduction of oxygen by reduced **[fungal]** *laccase.* 036929

LACTASES
Effects of a diet containing 40 percent dried whey on the performance and *lactase* **activities** in the small intestine and cecum of Hampshire and Chester white pigs. 034409

LACTATES
Isozymes patterns and enzyme activity of *lactate* and **alcohol** dehydrogenase of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Lactate **dehydrogenase** and isoenzyme changes in rats with experimental thiamine deficiency. 032387
Relationship of *lactate* **dehydrogenase** specificity and growth rate to lactate metabolism by Selenomonas ruminantium [Rumen bacteria]. 033754
Genetic control of the expression of genes for *lactate* **dehydrogenase** A in sheep erythrocytes. 034626
Relationship between turnover rate and blood concentration of *lactate* in **exercising** dogs. 034020
Effect of *lactate* on **FFA** [free fatty acid] and glycerol turnover in resting and exercising dogs. 034012
Behaviour of *lactate-dehydrogenase* **isoenzyme** in blood serum of sows during parturition. 034746
Relationship of lactate dehydrogenase specificity and growth rate to *lactate* **metabolism** by Selenomonas ruminantium [Rumen bacteria]. 033754

LACTATION
The effects of pregnancy and *lactation* on the **activities** in rat liver of some enzymes associated with glucose metabolism. 033816
Possibilities of increasing sow reproductive performance by having *lactation* **coincide** with pregnancy [Swine]. 034835
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a *lactating* **cow** [Toxicity tests]. 039562
Zinc excretion of *lactating* **cows** receiving varying levels of zinc. 034322
Digestibility and the use of nutrients of green feeds by *lactating* **cows.** 034520
The rhythm of milk yield in dairy cattle *[Lactation* **curve].** 034091
Effect of improved nutrition during pregnancy and *lactation* on **developmental** retardation and infant mortality. 032273
Estimation of milk production in nursing cows during **early** *lactation.* 033749
Electron microscopy study of the structure of cells of the mammary gland during various periods of *lactation* and under the **effect** of luteotropin. 034183
Studies on dairy cattle production. III. Relationship between criteria of production, duration of *lactation* and **interval** between first and second calving [Selection]. 034571
Interventions of the physiological stage [parturition, *lactation]* and **iodine** in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
Mammary lymphology and physiology of *lactation* [Includes **livestock].** 033840
Milk secretion in the rabbit: Changes during *lactation* and the **mechanism** of ion transport. 034075
Techniques and practice in milk production. 1. *Lactation* and **milking** [Physiology of mammary gland]. 033737
Maternal **nutrition** in *lactation.* 032205
Mating of sows during *lactation:* **observations** from a commercial unit. 034560
Ways to achieve superposition of *lactation* and **pregnancy** by administration of gonadotropic hormones [Swine]. 034756
Optimum combination of age at 1st calving and 1st *lactation* **production** of Hariana cows. 033634
The constituent concentrations of mammary gland secretions of *non-lactating* **quarters** as influenced by lactating quarters [Dairy cattle]. 034174
Studies with labelled urea on *lactating* **ruminants.** 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of goat milk. 034317
Vulnerable periods of *lactation* - a **view** on breast feeding practices in Brazil. 032220

LACTIC
Studies on phenonal related compounds inhibiting the growth of *lactic* **acid** bacteria. II. Substances in green tea inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
Influence of thermophilic methane fermentation products on the metabolism of *lactic* **acid** bacteria [during culturing in milk]. 032945
Autolytic properties of some *lactic* **acid** bacteria used in cheese production. II. Experiments with fluid substrates and cheese. 032993
The effect of agitation on the production of *lactic* **acid** by Lactobacillus bulgaricus in a casein whey medium. 033014
The effect of *lactic* **acid** [as a preservative] on the bacterial flora and the color of fresh meat. 033072
Physiological-biochemical properties of *lactic* **acid** bacteria of haylage. 033575
Stimulation of *lactic* **acid** production in chick embryo fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Comparative study of moderate and virulent phages of **mesophilous** *lactic* acid streptococci. 033021

LACTOBACILLUS
Market outlook for *[Lactobacillus]* **acidophilus** food products. 031568
Acidophilus milk products: little known cultured milks of great potential *[Lactobacillus* **acidophilus].** 032997
The effect of agitation on the production of lactic acid by *Lactobacillus* **bulgaricus** in a casein whey medium. 033014
Lactobacilli and **gas** formation of film wrapped Cheddar cheese. 033029
Lactobacilli in **human** nutrition [Milk]. 032393
Study on lactobacteria in Kashkaval cheese prepared from ewe's **milk** *[Lactobacillus].* 033035

LACTOGLOBULINS
Investigation of interrelationship between the inhibitory activity of milk with different *beta-lactoglobulin* **types** and the resistance of cows to mastitis. 034627

LACTONES
Metabolism of limonoids: Limonin **D-ring** *lactone* hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414
Lactones of **Jurinea** maxima. 036888
Sesquiterpene *lactones* of Inula helenium. 036898
Sesquiterpene *lactones* of sagebrush [Artemisia cana]: The structure of artecanin. 037175
New **sesquiterpene** *lactone* and aldehyde of Frullania tamarisci subsp. obscura (Hepaticae). 037294
A first allergenic **sesquiterpene** *lactone* from Chrysanthemumindicum L.: arteglasin-A. 037792
Analytical study of the distribution of **sesquiterpene** *lactones* of different Ambrosia species [Taxonomy]. 037799

LACTOSE
Production of **crude** *lactose* from ultrafiltration permeate. 033012
Evaluation of a *low-lactose* **nutritional** supplement in malnourished children. 032351

LACTUCA
Hormonal regulation of hypocotyl elongation in *Lactuca* **sativa** L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778

LAELIA
With Ghillany in Brazil. X. **Rediscovering** *Laelia* jongheana in unique grutas on the Pico do Itambe. 036105

LAGERSTROEMIA
Increasing trunk caliper by heading back laterals *[Lagerstroemia* **speciosa,** culture]. 038352

LAGOONS
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal **sewage** *lagoon* effluent [Health hazards to livestock]. 041353
Effect of anaerobic **swine** *lagoons* on ground water quality. 041652
Effects of **swine** *lagoon* effluent disposal on soil-plant-runoff quality. 041653

LAMBDINA
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on survival of western hemlock looper *[Lambdina* **fiscellaria** lugubrosa]. 039383

LAMBS
A thermogravimetric study of the pyrolysis of the bark and chemically-modified bark of Jack pine, Pinus **banksiana** *Lamb.* 037941
Washing does not affect bloom or keeping quality of *lamb* **carcasses.** 031992
Determination of age of *lamb* **carcasses** from pelvic ossification. 033037
Prediction on the lean content of *lamb* **carcasses** of different breed types. 033086
Dynamics of some N [nitrogen] metabolites in the blood serum of *lambs* in **combined** feeding conditions. 034510
Cooking frozen and thawed roasts: beef, pork, and *lamb* **cuts.** 032640
Effect of dried grass and whole grain in the diet of **early-weaned** *lambs* on performance and carcass fat quality. 034296
Selenium and white muscle disease in *lambs:* **effects** of vitamin E and ethoxyquin. 035369
Management systems for **ewes** and *lambs.* 033662
Early weaning and intensive **fattening** of *lambs.* 034361
Technological flux in **fattening** *lambs* and sheep. 034485
Effects of drying on forage quality of alfalfa and reed canarygrass [Phalaris arundinacea] **fed** to *lambs.* 034411
Respiratory effects of H+ [hydrogen ion] and dinitrophenol injections into the brain stem subarachnoid-space of **fetal** *lambs.* 033849
Protein binding of plasma cortisol in the **foetal** *lamb* near term. 034057
Wool growth rate in relation to plasma catecholamine and serum total thyroxine concentrations in **growing** *lambs.* 033717
Increasing *lamb* production by selection. 034596
Some biochemical alterations in sheep pox **infected** *lamb* testicular cells. 035076
Effect of selenium on the 35S [sulfur isotope]-cysteine **metabolism** in *lambs.* 033881
Lamb and **mutton** on the market. Problems of supply and demand. 031589
Comparative management programs for *lamb* **production** [Feeding]. 034438
Different levels of nitrogen in the ration for wool production from **Rahmani** *lambs.* I. Effect of ration containing high quality roughage with different levels and sources of nitrogen on wool production and characteristics. 034264
Effects of type and variety and stage of maturity on feeding values of cereal **silages** for *lambs.* 034412
Wheat, barley and corn silages for growing **steers** and *lambs.* 034418
Big gain in weight of *lambs* **submitted** to intensive fattening, led to intensive fattening, fed with adequate rations. 034484
A comparison of rations for **suckling** *lambs* on heavily stocked permanent pastures. 034464
Equipment for total collection of feces from *lambs* during **suckling** or fattening and for ewes. 040453
A comparison between rotational [creep] grazing and set stocking with ewes and *lambs* at **three** stocking rates. 034271
Performance of *lambs* **weaned** at different weights. 033663
Fattening early **weaned** *lambs.* 034394

LAMELLA
The first optic ganglion of the bee [Apis mellifera]. I. Correlation between visual cell types and their terminals in the *lamina* and **medula.** 040216

LAMELLICORNIA
Olfactory sensilla and systematics of *Lamellicornia* **(Insecta,** Coleoptera). 039949

LAMINATION
Strength and deformation of pitched-tapered Douglas-fir [Pseudotsuga menziesii] *glued-laminated* **beams.** 035900

LAMINITIS
Equine *laminitis.* 035332

LAND
A concept for **agricultural** *land* use: Michigan Department of Agriculture. 031197
Treatment of potato processing waste water on **agricultural** *land.* 041610
Land use in **Alabama.** 031170
Anticommunity *land* settlement: concept and problem [Legislation, Austria]. 031234
Land **application** of municipal effluent waste [for irrigation] on turf. 041049
On the dynamics of the distribution of **arable** *land* in landscape districts of Estonia [Soils]. 041138
Automated *land-use* mapping from spacecraft data. 031210
Biophysical *land* classification schemes: a review of their relevance and applicability to agricultural development in the humid tropics. 031201
The forest resources of Sabah and their development in the light of *land* **capability** classification. 035600
Impact of **changing** *land* use on delta hardwood forests. 035560
Investigations of [Delaware] **coastal** *land* use and vegetation with ERTS [Earth Resources Technology Satellite]-1 and Skylab-EREP. 031211
Land-grant **college** of agriculture's role in meeting the world food crisis. 031876
Swiss colonists in East Prussia from 1710 to 1730 as an example of colonizing peasants [History, *land* **colonization].** 031057
Problem of the formation and age of radial villages in eastern Lower Saxony *[Land* **coloniza-**

Correcting the fertility of **cotton** *land* showing deficiencies of the major elements [Fertilizers]. 040901
Soil and *land* **cover** overlay analyses. 040718
The **crofter's** *"land* war" [Rural unrest]. 031073
On the 30th anniversary of the **democratic** *land* reform [EastGermany]. 031237
30th anniversary of the **democratic** *land* reform, thirty years of Marxist-Leninist agricultural policy. 031827
A suggestion for increasing food production by **developing** *land* resources. 031236
Heavy metals application and plant uptake in a *land* **disposal** system for waste water. 041606
Hydrological and ecological results of *land* **drainage.** 041257
This **fair** *land* [Landscape]. 041555
Fallow *land* increment and other phenomena of extensification [Soil conservation, Switzerland]. 041158
Forest research in a *land* of **fields:** Poland. 035478
Improving the performance of citizens' committee [for **forest** *land* management]. 035561
Erosion and sediment from **forest** *land* uses, management practices and disturbances in the southeastern United States. 035606
Research at Coolnakilla is important for one million acres of **hill** *land* [Soil reclamation]. 041149
Regular elongated strip fields and Frankish colonization: an investigation of their relations in the western areas of the Upper Rhine and in other German districts *[Land.* **history].** 031185
Hydrologic *land* use classifications of the Patuxent River watershed using ERTS [Earth Resources Technology Satellite]-1 digital data. 041365
The ruling class and the subject class with *land* **interests** in the German southwest [History, social organization]. 031062
Canadian inventory: how much *land* do we have? 031156
The politics of *land* use. 031158
The economics of water oriented outdoor recreation in the Kissimmee River Basin *[Land* use]. 031165
Merits of conventional aerial photography in an intensive natural resources inventory in Puerto Rico *[Land* use]. 031213
Private land leasing for public recreation—snowmobiling in Michigan *[Land* use]. 031230
Resident and tourist perceptions of the Ozark Folk Center *[Land* use]. 031235
Lincoln and the liberation of the man on the *land* **[Legislative** history]. 031931
Regional document delivery via [agricultural] *land-grant* **libraries** in 1974. 031005
Report by Bureau of *Land* **Management** on range conditions and grazing in Nevada. 031164
Application of a landscape-preference model to *land* **management.** 031194
Agricultural productivity grouping of soils for *land* **management.** 031238
Mapping *land-use* from existing air photos [Michigan]. 031212
[Landscape] preservation policy and personal perception: a 200-million-acre **misunderstanding** *[Land-use].* 031195
Questions on **Northwest-German** *land* settlement and field research in the light of East-German research [History]. 031184
History of development of field forms in the **old** *land* settlements of South Germany. 031178
[Forest] *land-use* **planning:** a view from Holland. 035565
A *land* use **policy** for Canada. 031155
In search of a *land* use **policy.** 031157
Israel's institutional framework of *land* **policy.** 031199
Land **preparation** of Imperata savannah or grass pastures [which is to be planted in oil palm or coconut]. 038091
Private *land* leasing for public recreation—snowmobiling in Michigan [Land use]. 031230
Competition for **productive** *land* in New Zealand. 031207
Effective exploitation of each hectare of *land* **[Productive** capacity of agriculture, Five-Year Plan, pasture management of sheep]. 031891
The optimum repartition of fodder crops on plots of *land* depending of the **productive** potential. 038147
The matter of **radial** *land* settlement in the Hannover Wend area [History]. 031188
The question of **radial** *land* settlement in western East Germany [History]. 031190
Team contracting in *[land]* **reclamation** construction in Belorussia. 031299
Builders and *land* **reclamation** in [French] Guiana. 041148
The prospects of using aerial survey for the purpose of *[land]* **reclamation** and conservation of environment. 041156
Urgent goals of *[land]* **reclamation** in the Soviet Georgia. 041157
Land **reclamation** [by irrigation and drainage] and the problem of stability of the farm production. 041263
[Land] **reclamation** [by drainage and irrigation] and the international cooperation. 041279
We have stopped at 1927 with our civic customs *[Land* **reform,** legislation, history]. 031154
Green revolution and agrarian conflict *[Land* **reform** laws inIndia]. 031834
[Soil] erosion and sediment control on **reshaped** *land.* 041185
Taxation of **returns** from the *land.* 031438
Rural *land* use in the Monongahela River Basin [West Virginia]. 031166
Control of *land* **salinization** and conservation of the environment [Irrigation]. 041255
Effect of *land* use on **sediment** delivery ratios [Erosion on watersheds]. 041371
Development of the west German furlong field *[Land* **settlement,** history]. 031171
Development of the furlong field as reflecting events of cultivated areas *[Land* **settlement,** history, Lower Franconia]. 031172
Early medieval roots of the furlong field in southwest Germany *[Land* **settlement,** history]. 031173
Elongated strip field and previllage, a contribution to the *land* **settlement** geography of western Germany [History]. 031174
Elongated strip fields in old northwestern North Germany *[Land* **settlement,** history]. 031175
Field and *land* **settlement** development in old Westphalia [History]. 031176
Furlong village and detached village *[Land* **settlement,** history]. 031177
Introduction: paths taken by historic and genetic *[land]* **settlement** research. 031179
National and colonial forms of *land* **settlement** of the Slavs: a contribution to the problem of the detached farm, clustered village and radial settlement [History, USSR]. 031180
Primary and secondary *[land]* **settlement** forms in the Lower Geest of the Hannover Wend area [History]. 031181
Principles and methods of furlong measurement *[Land* **settlement,** history]. 031182
Spread of Alemannic-Frankish *[land]* **settlement** and its connection with the spread of furlong villages [History]. 031186
The "Eschkern" theory and the problem of Germanic—German cultivated area continuity *[Land* **settlement,** history, northwestern Germany, Netherlands]. 031187
The northern strip field *[Land* **settlement,** history]. 031189
The radial matter as a problem of the map of the form of historical *[land]* **settlement** of Mecklenburg and Pomerania. 031191
The Wendish radial village *[Land* **settlement,** history]. 031192
Statewide *land* cover mapping using ERTS [Earth Resources Technology Satellite] imagery [Wisconsin]. 031215
Outdoor recreation in southeastern Iowa: 1970 and 1985 *[Land* use, **statistics].** 031217
Outdoor recreation in southwestern Iowa: 1970 and 1985 *[Land* use, **statistics].** 031218
Outdoor recreation in central Iowa: 1970 and 1985 *[Land* use, **statistics].** 031219
Outdoor recreation in east central Iowa: 1970 and 1975 *[Land* use, **statistics].** 031220
Outdoor recreation in northwestern Iowa: 1970 and 1985 *[Land* use, **statistics].** 031221
Outdoor recreation in north central Iowa: 1970 and 1985 *[Land* use, **statistics].** 031222
Outdoor recreation in northeastern Iowa: 1970 and 1985 *[Land* use, **statistics].** 031223
Outdoor recreation in Iowa: 1970 and 1985 *[Land* use, **statistics].** 031224
Surprise *land* use law raises flood of fears. 031908
Young farmers and the structure policy *[Land* **tenure,** inheritance, family farms]. 031092
When the *land* is **thirsty,** there is no bread for man [Irrigation]. 041226
The right to space *[Land* **utilization].** 031145
Prognosis of the development of the structure of agricultural soil fund and planted areas in the Slovak Socialist Republic up to 1990 *[Land* **utilization].** 031225
Land **utilization** and its economic contribution to the rural communities. 031227
Industrial society and rural district *[Land* **utilization].** 031239
Problem of the regeneration of fir and mixed stands with fir with the use of improved cutting methods in the light of studies in the **VIth** *Land*—Central Poland Uplands. 035623
China recycles her **wastes** by using them on the *land.* 040898

LANDLORDS

Landlord and **tenant** shares, 1974 [Farms, statistics]. 031743

LANDRACE

Comparing national breeds of *Landrace* **[Swine].** 034770

LANDSCAPING

The historic **American** *landscape.* 041553
Antropogenic *landscapes* and their plant associations. 036231
Assessing *landscape* resources: a proposed model. 041547
Landscape **assessment** of the Upper Great Lakes Basin resources: a macro-geomorphic and micro-composition analysis. 041549
On the dynamics of the distribution of arable land in *landscape* **districts** of Estonia [Soils]. 041138
What can one expect from the silviculturist in relation to *landscape* **ecology** and regional planning? 035631
Qualitative values in the *landscape* **[Environmental** planning]. 041552
Landscape **epidemiology** (epizootiology) [Infectious diseasesof domestic and wild animals]. 034964
A new **farming** *landscape?* 038287
Landscape and **flower** culture in the prealpine lake zone. 038234
Approaches to **home** *landscape* design. 84. Developing doorwaydesigns. 038247
Home *landscape* design. 85. A decade of development. 038250
This fair **land** *[Landscape].* 041555
Landscape **management** in the Principality of Liechtenstein. 041611
Visual and cultural components of the landscape resource assessment model of the MET-LAND [Model for **Metropolitan** *Landscape* Planning] study. 041556
Application of a *landscape-preference* **model** to land management. 031194
Energy conservation on the home grounds: the role of **naturalistic** *landscaping.* 041498
Oleasters—**overlooked** *landscape* treasures [Elaeagnus, varieties]. 038336
[Landscape] **perception** and prediction of scenic resource values of the Northeast. 041557
The introduction, growth and *landscape* **performance** of new plants for Oklahoma [Ornamental plant varieties]. 038457
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and *landscape* **performance** of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
Mock-oranges in the *landscape* **[Philadelphus,** cultivars]. 038335
Effects of Bermudagrass [Cynodon dactylon] competition on the establishment and growth of woody **plants** in the *landscape.* 036246
Effects of black plastic and mulches on growth and survival of *landscape* **plants** [Culture]. 038453
[Landscape] **preservation** policy and personal perception: a 200-million-acre misunderstanding [Land-use]. 031195
Qualitative *landscape* values: the historical perspective. 041551
The **regional** *landscape* concept for the Basel region. 041554
Visual and cultural components of the *landscape* **resource** assessment model of the MET-LAND [Model for Metropolitan Landscape Planning] study. 041556
Effect of soil and water conditions on the **rural** *landscape* around Wouw, North Brabant. 040570
Using **taxus** in the *landscape.* 038254
National forest visual management: a blend of *landscape* and **timber** management. 035562
Results of *landscape* **tree** testing. 038252
Effects of [the herbicide] Roundup on **woody** *landscape* plants [in controlling Cynodon dactylon]. 039176
Home grounds planning **worksheet** *[Landscaping].* 038431

LANDSLIDE

Reservoir sedimentation associated with catchment **attributes** *landslide* potential, geologic faults, and soil characteristics. 041380

LANTANA

1-caffeylrhamnose from *Lantana* **hybrida.** 037184

LAODELPHAX

Purification of rice stripe virus [transmitted by *Laodelphax* **striatellus].** 038884
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, *Laodelphax* **striatellus,** Spodoptera litura]. 039529

LAPPA

Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in burdock root tea **[Atropa** *lappa].* 036928

LARCHES

Genetic studies on **European** *larch* (Larix decidua Mill.) employing isoenzyme polymorphisms. 036495
Seasonal dynamics of lysimetric water composition in the profile of a sandy podzolic soil of a *larch* **forest** (Karelian isthmus). 040741
Annual research with *larch* **[Larix,** culture]. 035661
Development and crop bearing of *larch* **(Larix** decidua Mill.) strains in a clonal seed orchard in the Miedzylesie forest district. 035687
On variations in anatomical structure of the bark of two species of *larch* **[Larix** sibirica, Larix dahurica]. 036330
The mortality factors of experimental populations of Lymantria dispar in a *larch* **[Larix** leptolepis] plantation and natural forest. 039389
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of *larch* **moths** (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
Synthesis of pulvinones, metabolites of [fungi] Aspergillusterreus and *[larch* **mushroom]** Suillus grevillei. 036867
Use of increased radial areas relative to **sawing** *larch* wood by the method of sawing through and through without first slabbing. 035827
Response of **western** *larch* [Larix occidentalis] to changes in stand density and structure. 035693
Effect of excess hydraulic pressure on yield and composition of water-soluble substances extracted from *larch* **wood.** 035807

LARD

The effect of **experimental** *lard* diet on the occurrence of the signs of vitamin E deficiency in pigs. 035374
Toxic and dystrophic manifestations in rats on a diet with **high** *salted-lard* content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
Use of rape oils and *lard* in **[leather]** lubrication blends [Properties]. 032778
Toxic and dystrophic manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and **salted** *lard* and the means of curing. 032392

LARIX
Annual research with larch *[Larix,* **culture].** 035661
On variations in anatomical structure of the bark of two species of larch [Larix sibirica, *Larix* **dahurica].** 036330
The evaluation of the dynamics of seasonal increment of *Larix* **dahurica** in a forest tract Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). 037899
Development and crop bearing of **larch** *(Larix* decidua Mill.) strains in a clonal seed orchard in the Miedzylesie forest district. 035687
Genetic studies on European **larch** *(Larix* decidua Mill.) employing isoenzyme polymorphisms. 036495
The mortality factors of experimental populations of Lymantria dispar in a larch *[Larix* **leptolepis]** plantation and natural forest. 039389
Response of western larch *[Larix* **occidentalis]** to changes in stand density and structure. 035693
On variations in anatomical structure of the bark of two species of larch *[Larix* **sibirica,** Larix dahurica]. 036330
New flavonol glycosides from the needles of *Larix* **sibirica.** 037905

LARKSPURS
Anthocyanin, flavonol copigments, and pH [hydrogen-ion concentration] responsible for *larkspur* **flower** color [Consolida ambigua; Delphinium ajacis]. 037802

LARVAE
Larvae of **African** allodapine bees. 2. Braunsapis and Nasutapis (Hymenoptera: Xylocopinae). 040253
Larvae of **African** allodapine bees. 3. The genera Allodapula and Eucondylops [New taxa]. 040254
Studies on the feeding of *larval* **Argas** persicus Oken [Chickens, pests]. 039518
Laboratory studies with antifeeding compounds against *larvae* of **Ascotis** selenaria reciprocaria on coffee. 039240
Detection of aflatoxin B1 in silkworm [Bombyx mori] *larvae* **attacked** by an Aspergillus flavus [Fungi] isolate from a sericultural farm. 040201
The *larvae* of the **British** genera of Cantharidae (Coleoptera). 040094
Chloride cells of the *larvae* of **Caenis** diminuta Walker (Ephemeroptera, Caenidae) under different salinity. 039818
Larvae of **Calliphoridae** as pathogens of myiasis in guinea pigs. 039490
Sublethal effect of 5-chlorouracil on carp (Cyprinus **carpio)** *larvae.* 039577
Mechanical properties of some *larval* **cuticles** [Agenius zebra, Bombyx mori]. 039841
The amino acid requirements for *larval* **development** of the hymenopterous parasitoid Exeristes roborator Fabricius (Hymenoptera: Ichneumonidae). 039681
The endocrine glands of Chironomus thummi Kief. During *larval* **development** and metamorphosis. 039933
Larval **diagnosis** of the tribe Stenolophini and notes on theclassification of the subfamily Harpalinae (Coleoptera, Carabidae) [New taxa]. 039979
Intraspecific variability of reactions controlling the *larval* **diapause** in Calliphora vicina (Diptera, Calliphoridae). 039713
Hormonal induction of acid phosphatase activity in salivary glands of *larvae* of **Drosophila** melanogaster during metamorphosis. 039694
Effects of high temperature and soil moisture on survival of **first-instar** *larvae* of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
A key to *larvae* of the **genus** Glyptotendipes (Diptera, Chironomidae) in wter bodies of the Moscow district [New taxa]. 040172
Effect of margosa & marigold root exudates on mortality & *larval* **hatch** of certain nematodes. 039001
Affinity chromatography of phenoloxidase in the *larvae* of **housefly** [Musca domestica]. 039613
Effects of some juvenile hormone analogues on the last **instar** *larvae* of Cephonodes hylas L. (Lepidoptera). 039211
Puffing patterns during the fourth *larval* **instar** in Chironomus pallidivittatus salivary glands. 039677
Queen rearing [Apis mellifera, *larvae,* **introduction].** 040221
Kelp fly [Chaetocoelopa sydneyensis] virus [cultured in Galleria **mellonella** *larvae].* 039851
Variants of artificial infection of Culex **modestus** *larvae* with the entomopathogenic fungus Coelomomyces iliensis. 039895
Linkage of the genes for DDT and dieldrin resistance in *larvae* of the **mosquito** Aedes aegypti. 039450
Overcrowding factors of **mosquito** *larvae.* VII. Preparation and biological activity of methyloctadecanes and methylnonadecanes against mosquito larvae [of Culex pipiens quinquefasicatus]. 039468
Aminopeptidases in webbing clothes **moth** *larvae* [Tineola bisselliella. Properties and specificities of the enzymes of intermediate electrophoretic mobility. 039639
A method of collecting and processing **nematode** *larvae* for electron microscopy [Animal diseases]. 035123
Larvae of **Novius** cruentatus (Mulsant) (Coleoptera, Coccinellidae). 040008
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. I. *Larvae,* **nymphs** and native adults. 040199
Study on relationships between habits and external structures in **oligotrophidi** *larvae* (Diptera, Cecidomyiidae). 039963
Effect of temperature and density of the *larval* **population** on the mutation penetrance in Drosophila virilis. 039758
A description of the *larva* and **pupa** of Haematopota scutellata rossica Olsufjev et Ivanistshuk (Diptera, Tabanidae). 040046
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. I. *Larva,* **pupae** and native adults. 040197
Comparative study of asynapsis of *larvae* **salivary** gland polytene chromosomes of Drosophila melanogaster, Drosophila simulans and their hybrids. 039757
Chromosome puff activity and protein synthesis in *larval* **salivary** glands of Drosophila melanogaster. 039902
Cellulase secretion by second **stage** *larvae* of the root-knot nematode (Meloidogyne javanica) [Tomatoes]. 039032
The *larvae* of **Tahitian** Simuliidae (Diptera: Nematocera). 040110
The public health implications of *larval* **Thynnascaris** nematodes from shellfish. 032101
Herbicides and fauna. III. Effects of herbicides on the embryonal and post embryonal development of Bufo vulgaris L. and enzymatic modifications in the *larvae* **[Toxicity].** 039525
The influence of intracoelomal injections of solutions and suspensions on the phagocytosis with *larvae* of the **wax** moth, Galleria mellonella (L.). 039644
Some possible effects of dung beetle activity on the infestation of pastures by intestinal **worm** *larvae* of cattle. 039469

LARYNX
Laryngeal **tumor** in a dog. Epithelial neopalsia with sarcomatous aspect. 035299

LASIUS
A model of digging behaviour and tunnel production in ants [Formica lemani, *lasius* **niger].** 039812

LASPEYRESIA
New fruit pests: the oriental fruit moth, **Grapholitha** *(Laspeyresia)* molesta Busch, on the peach tree. 039311
Field tests using a granulosis virus to control the codling **moth** *(Laspeyresia* pomonella (L.) [Apple pests, biological cntrol]. 039370
On the microflora of *Laspeyresia* **pomonella** L. (Lepidoptera Tortricidae). II. Fungi. 039718

LATENCY
Latent **form** of foot-and-mouth disease [Cattle]. 035244
Zinnia elegans Jacq.—the *latent* **host** of watermelon mosaic virus. 038896
Occurrence of *latent* **metabolic** disturbances in clinically healthy dairy cows. 035382
Formation of genital system in Tenebrio molitor at *latent* **stages** of ontogenesis determined by means of the juvenile hormone analogues. 039968

LATERAL
Axial and *lateral* **order** of regenerated cellulose fibres. Paracrystalline condition of cellulose. 035721
Neuronal activity in the *lateral* **vestibular** nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. 034132
Neuronal activity in the *lateral* **vestibular** nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133

LATEX
A new micromethod for the *latex* **agglutination** test [to detect plant viruses]. 038944
The thermomigration of aqueous binder dispersions during the manufacture of nonwovens *[Latex,* **fabrics].** 032915
Formation persistence of *latex-agglutination-inhibiting* **IgG-** and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291

LATHYRUS
A new synthesis of L-2-amino-3-oxalylaminopropionic acid, the *Lathyrus* **sativus** neurotoxin. 037061

LATITUDE
The evaluation of the dynamics of seasonal increment of Larix dahurica in a forest tract Ary-Mas (Taimyr Peninsula, 72 degrees 30' **northern** *latitude).* 037899

LAUAN
Red *lauan* [Shorea negrosensis]—a new species of wood for use in the furniture industry. 035771

LAWN
Lawns: **preparation** and care. 038439

LAWS
Milk marketing and the *law* **[Agricultural** Marketing Agreement Act]. 031712
A *law* of **diminishing** returns in organizational behavior? 032580
Feed regulations of the new **food** *law.* 031820
Effects of Codex Alimentarius on food design [Food standards, **food** *laws].* 032038
Surprise land use *law* **raises** flood of fears. 031908
Green revolution and agrarian conflict [Land **reform** *laws* inIndia]. 031834
The environmental **statistics** *law* [Water and soil pollution]. 041679
Vavilov's *law* of homologous series [in genetic variability] at the fiftieth anniversary of its formulation. 036484

LAYERING
A note on *air-layering* of **Pinus** pseudostrobus. 035652
Homogeneous and *layered* **sand** in triaxial compression [in natural soils]. 040587

LAYERS
Evaluation of change of salt reserves in the **active** *layer* of paddy soils. 040724
Heat transfer through *layers* of **agricultural** products of near spherical shape. 032746
Scanning electron microscopy of the endosperm of cereal crops. 3. Starch **cell** *layer* of white-core rice. 033195
Scanning electron microscopy of the endosperm of cereal crops. 4. Starch **cell** *layer* of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Thin-layer **chromatographic** assays of histamine and its metabolites in urine of man and dog. 034049
Thin-layer **chromatographic** analysis in soil chemistry. 040598
Thin-layer **chromatographic** analysis in air pollution. 041535
Thin-layer **chromatographic** analysis in water pollution. 041536
Thin-layer **chromatographic** analysis in waste chemistry. 041537
Isolation of Gonyaulax tamarensis toxins from soft shell clams (Mya arenaria) and a *thin-layer* **chromatographic-fluorometric** method for their detection. 032068
Simple, rapid quantitative determination of lysine and arginine [in wheat flour and rat tissues] by *thin-layer* **chromatography.** 032343
Use of color reactions to identify lipid classes [of plant origin], tocopherols including, by *thin-layer* **chromatography.** 037235
Why do the *layers* **die?** [Mortality]. 034885
Structural studies of a raw soil from the top *layer* of a **gypsum** quarry [Reclamation]. 041212
Effect of soybean meal, extruded soybeans and ground, raw soybeans on the performance of White **Leghorn** *layers.* 034494
Intermittent feeding and **lighting** of *layers.* 034385
Changes in **lower** *layers* of a forest phytocoenosis under the influence of a faint increase of light intensity. 037325
Boron in the **plow** *layer* of soils in the European USSR. 040813
Studies on biosynthesis of soluble lens crystallin antigens in the chick by isoelectric focusing in *thin-layer* **polyacrylamide** gel. 033888
Studies of different levels of protein in *layer's* **ration** [Chicks]. 034267
The protein value of soy with a **standard** *layer* PDI [protein dispersibility index] number. 033275
The birefringence of wood pulp fibres and the **thickness** of the S1 and S3 *layers.* 035901
Thin *layer* chromatography identification of calcium- and sodium stearoyllactylate in addition to other emulsifiers in food. 032861
Thin *layer* chromatography of 2,4-dinitrophenylhydrazones of carbonyl compounds [in dairy products]. 032989
Development and composition of the [wood] **warty** *layer* in balsam fir [Abies balsamea]. II. Composition. 035897

LAYING
Change in numerical strength of the bee colony. IV. Interplay of *laying* **activity** of the queen and the emergence rate and longevity of workers (Apis mellifera L.). 040292
Acid and alkaline phosphatase activity in relation to *egg-laying* and **aging** in Callosobruchus analis (Fab.) (Coleoptera: Bruchidae). 039658
The heritability of liability to *laying* **anormal** eggs [Poultry]. 034708
Losses of **caged** *laying* hens from obesity. 035380
Drone *laying* of [honeybee] queens. 040299
Programs for the management of **egg** *laying* chickens by computer [Production planning]. 031258
Optimal production time for **egg** *laying* chickens—how long to retain the hens? 033642
Dietary effect on the performance of the Silver Montazah and the Golden Montazah pullets. 1. Rate of *lay* [**Egg** production]. 034260
Influence of the presence of rape cake in the chicken feed on **egg** *laying* performances. 034392
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of **egg** *laying* and fecundity [Flour pests]. 039426
Ovary development and **egg** *laying* in Apis cerana indica workers. 040248
The influence of fat mobilizing substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic acid metabolism in the *laying* **hen.** 033989
Egg thickness as affected by calcium level in *laying* **hen** ration. 034536
20 weeks of lay above 80 percent rate *[Laying* **hens].** 033628
What body weight for *laying* **hens.** 033975

Apparent amino acid digestibility of feather meal with *laying* **hens.** 034383
Feed concentrates as meal, grain, or pellets for *laying* **hens?** 034433
20 weeks of *lay* above 80 **percent** rate [Laying hens]. 033628
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the *laying* **period** of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the *laying* **period** of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
A guide to the choice of *laying* **stock** [Chickens]. 033593
Microclimate examinations in various **type** *laying-sheds.* 033595
Renovating and *laying* **wooden** floors. 040347

LEACHING

Losses of nutrient by *leaching* in **agricultural** plant production, 1971-1974. 041208
On the optimum density of *leached* **Chernozem-Smolnitza** for maize and wheat. 040749
Fixation of iron and zinc applied as chelates into a soil **column** during *leaching.* 040762
14C [carbon isotope]-labelled **material** *leached* from the rhizosphere of plants supplied continuously with 14CO2 [carbon dioxide isotope]. 040805
Some methods for pre-planting preparation of *leached* **Meadow-Cinnamon** soil to winter wheat. 041197
Leaching of N **[nitrogen]**—problem of cropping efficiency, not of pollution [Maize]. 040594
Studying the mechanism of **salt** *leaching* in soil columns. 040746
The effect of regular annual dressing on phosphates in **strongly** *leached* Chernozem. I. Changes in the supply and forms of active inorganic phosphates. 041035
Amelioration of subsurface acidity by *leaching* of **surface** applied amendments. A laboratory study [Soils]. 041139
Nitrogen in crops and *leaching* **water** using nitrate and ammonium nitrogen as fertilizers. Lysimeter experiments 1962-1972. 041107
Sulphur received in rainfall and *leached* from a **yellow** brown loam. 041017

LEAD

Determination of *lead,* **cadmium,** and zinc in sugar [for possible contamination]. 032066
National marine fisheries service preliminary survey of selected seafoods for mercury, *lead,* **cadmium,** chromium, and arsenic content [Contamination]. 032070
Studies on tea. I. Contents of mercury, *lead,* and **cadmium** in tea leaves and tea decoctions [Toxic trace elements]. 032157
Survey of *lead* in **Christchurch** soils. [Contaminatiom]. 041616
The use of natural Pb-210 *[lead* **isotope]** as a heavy metal tracer in the river-estuarine system. 041216
The violation of the time limit [for harvesting] *leads* to **losses** of grain [of cereal crops]. 038203
Lead and **mercury** residues in kidney and liver of Canadian slaughter animals. 031977
Lead from **motor-vehicle** exhausts in sweet-corn plants and soils along a highway in Hawke's Bay, New Zealand. 039041
ARA's nutrition **rainbow** *leads* school lunch to gold. 032544
Anodic stripping voltammetry—a new, simple answer for *lead* **residue** analysis [in food]. 032016
Economic **situation** *leads* to master planning [Sprinkler irrigation]. 041405
The influence of applied phosphorus, manure, or lime on uptake of *lead* from **soil** [by maize]. 041000
Ultrastructural localization of *lead* in **Stigeoclonium** tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and X-ray microanalysis [Algae]. 036341
Student guides in **Vermont** *lead* natural resource studies. 041663
Anomaly content of *lead* and **zinc** in soils affected by the antropogenic factor. 040720

LEAFHOPPERS

Leafhoppers **[Dalbulus** maidis] on silage corn. 039266
Gyponana (Zerana) secunda, a new species of *leafhopper* **fromPanama** and Grand Cayman Island (Homoptera: Cicadellidae). 040040
Transmission by **green** *leafhopper,* Nephotettix cincticeps Uhler of a new dwarf [virus] disease in rice plants. 038887
Studies on **idiocerinae** *leafhoppers.* XI. The neotropical genus Chunroides Evans. 040031

LEAFROLLERS

The green **oak** *leafroller* moth [Tortrix viridana] and its entomophages in Ivano-Frankovskii Region [Natural control]. 039395

LEAFWORMS

Egyptian **cotton** *leafworm* [Spodoptera littoralis] on tomato [Pakistan]. 039357

LEAKAGE

Valuation of computation models to **determine** *leakage* losses of gear pumps [Equipment]. 040447
Report on a [wine] bottling test made by the Tempio Pausania cork experimental station **(Italy)** *[Leakage].* 035788
Nitrate *leakage* from soils differing in texture and nitrogen load. 040672

LEASING

Clear arrangements prevent disputes **[Farm** *leasing].* 031203
Farm *leasing* in North Dakota. 031359
Is it profitable to *lease* a **farm?** 031487
Leasing **farms.** 031204
Private **land** *leasing* for public recreation—snowmobiling in Michigan [Land use]. 031230
Depreciation as a factor—is *leasing* **[veterinary]** equipment better than purchasing? 040489

LEATHER

Genetic study of aggressiveness of two subspecies of Apis mellifera in Brazil. 2. Time at which the first sting reached a *leather* **ball.** 040246
Chinchilla *leather*—A general review. 033053
Use of rape oils and lard in *[leather]* **lubrication** blends [Properties]. 032778
Formula for obtaining clean mink skins with **soft** *leather.* 033110

LEAVES

Germination of Puccinia striiformis uredospores on *leaves* of **adult** winter wheat plants [Resistance to yellow rust]. 038566
Steroid glycosides from the *leaves* of **Agava** americana L. 036913
Dissipation and respiration temperature of young and **aged** *leaves* in the dark. 036918
Preliminary investigations on the possitility of applying a rapid isotopic method for comparing the intensity of photosynthesis in the **alfalfa** *leaves.* 037504
Analysis of steady state photosynthesis in **alfalfa** *leaves.* 037518
Leaf **amino** acids of Psidium guajava [Guavas]. 037790
Gibberellin promotion of physiological leaf spot [non-pathogenic disorders] in detached 'Golden Delicious' **apple** *leaves.* 037793
Venturia asperata sp. Nov. And its Fusicladium state on **apple** *leaves* [Fungi, new taxa]. 038752
Leaf **area** and its components in spring barleys. 037337
Changes in *leaf* **area** and specific leaf weight of sugarbeet leaves during the growing season. 037388
Prevention of potato top-roll by aphicide and its effect on *leaf* **area** and photosynthesis [Macrosiphum euphorbiae]. 039314
The change of the plastid apparatus per unit of *leaf* **area** and the yield of barley under various application of zinc. 040874
Ascochyta *leaf* spot of papaya and its perfect state [Ascochyta caricae papayae, Mycosphaerella]. 038647
Inheritance of resistance to **bacterial** *leaf* blight [Xanthomona oryzae] in rice. 038865
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on **barley** *leaves]* as observed by scanning electron microscope. 038846
Effect of drought on post-photosynthetic conversions of C14[carbon isotope] in [broad] **bean** *leaves.* 037579
Carbon dioxide transfer and photochemical activities as factors of photosynthesis during ontogenesis of primary **bean** *leaves.* 037742
The distribution and ultrastructural effects of passionfruit woodiness virus in **bean** *leaves.* 038889
A review of the *leaf* **beetles** of the genus Pachybrachys Redt. (Coleoptera, Chrysomelidae) of Soviet Central Asia and Kazkhstan. 040065
Ecological-geographical review of the fauna of *leaf* **beetles** (Coleoptera, chrysomelidae) in central Kazakhstan. 040173
Genetic variation in enzyme activity of tall fescue [Festuca arundinacea] *leaf* **blades.** 036428
A *leaf* **blight** [Alternaria alternata] of Fagopyrum tataricum in India. 038643
Chemical nature of disease resistance and susceptibility in *leaf* **blight** of wheat caused by Alternaria triticina. 038648
Nature of disease resistance and susceptibility in *leaf* **blight** of wheat caused by Alternaria triticina in vivo and in vitro. 038699
A quantitative method for estimating density of Septoria tritici pycnidia on wheat leaves *[Leaf* **blotch].** 038761
Fungicidal control of secondary air-borne infection of **brown** *leaf* spot of rice [Cochliobolus miyabeanus]. 038652
Can the **cabbage** *leaf* louse be controlled on autumn rape? [Diaeretiella rapae, biological control]. 039303
Effects of water stress on the ultrastructure of *leaf* **cells** of Sorghum bicolor. 037520
Cherry *leaf* roll virus causing a disease of Betula spp. In the United Kingdom. 038901
Triplet states of chlorophyll and its predecessor in *leaves* and **chloroplasts** as detected according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney beans, peas]. 037685
Occurrence of avicularin in the *leaves* of **Cinchona** officinalis and Cinchona robusta. 036906
Mineral composition of canker, halo and green regions of **citrus** *leaves* infected by Xanthomonas citri. 038862
Composition of soil and **coffee** *leaves* on plantations under varying copper fungicide spraying regimes. 038823
Scanning electron microscopy of the backs of Tortula desertorum Broth. *leaves* **coming** from different localities in Spain. 036259
Nutritional deficiencies of yams (Dioscorea spp.) and related effects on yield and *leaf* **composition.** 039014
Leaf **conductance** and leaf water status of sesame strains in hot, dry climates. 037392
Estimation of method for determination of photophosphorylation activity in chloroplasts of **cotton** *leaves.* 037415
On phenolic acids of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of Brassica-Species and *leaves* of other **Cruciferae.** 033485
Cryoprotective *leaf* proteins [Spinach, cabbage]. 037651
General and specific features in the process of rhizogenesis in stem and *leaf* **cuttings** of kidney beans. 037678
Demonstration of virus-like particles in sweet chestnut [Castanea savits] and oak [Quercus cerris] with *leaf* **deformations** in Hungary. 038945
Structural modification of the chloroplasts caused by changes in the rate of photosynthesis as a result of **dehydration** of the *leaf.* 036941
Measurement of steroid saponins in Dioscorea **deltoidea** *leaves.* 037223
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and water vapour efflux during leaf ontogenesis with the differences between the [tobacco] *leaves* according to their **descending** insertion level. 037367
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] needles and birch [Betula verrucosa] *leaves* to **detect** "hidden" fluorine injury. 038973
The effect of wind and humidity on *leaf* **diffusive** resistance in Sitka spruce [Picea sitchensis]. 037917
Genetic variation of photosynthetic rate in *leaf* **discs** of Zea mays L. [Maize]. 036544
Rapid metabolic changes in the wounding response of *leaf* **discs** [of tobacco] following excision. 037526
Simultaneous demonstration of separate phases with different phenol content in the *leaf* **epidermis** cells of Salix alba L. 036350
Cell enlargement and tissue differentiation during *leaf* **expsnsion** in beech, Fagus grandifolia. 036291
Brinjal [eggplant] *leaf* **extract** induced resistance to virus infection in plants. 038904
Leaf **fall** and the rate of litter decay in some forest habitats [in relation to leaf production and saphrophage activity]. 036923
The triterpenoid constituents of the *leaves* of **Ficus** nitidaL. Constituents of local plants. XXII. [Egypt]. 037135
Aquatic [ornamental] plants with **floating** *leaves.* 038485
Ideal number of *leaves* for **foliar** diagnosis of sugarcane (ratoons). 040893
A preliminary study of aquatic hyphomycetes on *leaves* in **forest** and stream leaf litter. 036230
Influence of weather on **frogeye** *leaf* spot [Cercospora nicotianae] incidence on cigarette tobacco. 038696
Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from *leaves* to **fruit** in Satsuma mandarin oranges. 037757
Effect of yellow mosaic on the composition of free amino acids in the **grape** *leaves.* 038902
Transformation of ultrastructure of **grape** *leaves* under the effect of infectious chlorosis virus. 038941
Gray *leaf* spot-resistant Lupinus angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596
The relationship of chlorophyll biosynthesis to protein and RNA synthesis in greening and **green** *leaves.* 036977
The effect of delta-aminolevulinic acid on the protochlorophyllide accumulation and chlorophyll formation in barley **green** *leaves.* 037398
An explosion of *leaf* **growth** after stress conditions [Maize]. 037489
The influence of thinning upon defoliation by the **gum** *leaf* skeletonizer [Uraba lugens] in river red gum [Eucalyptus camaldulensis] forests. 039387
Types of curves of the time course of photosynthesis and their dependence upon the strength and duration of *leaf* **heating** [Kidney beans]. 037869
Presence of theobromine in *leaves* of **Ilex** perado. 037197
Effects of *leaf* **infections** by Septoria nodorum Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in spring wheat. 038570
Determination of losses of the potato yield due to Phytophthora by the dynamics of **injuries** on *leaves.* 038799
Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of virus particles recovered from **inoculated** *leaves.* 038926
Development of water stress in **kale** *leaves* of different insertion levels. 037663
Daily changes of xanthophyll content in *leaves* of **lady's** mantle [Alchimilla subcrenata] growing beyond the polar circle. 037273
Studies on the *leaf-margins.* 2. On the **leaf-margin** morphology of Cercidiphyllum japonicum Sieb et Zucc. 036327
Changes of glycolic acid oxidase and peroxidase activity in **maize** *leaves* during the vegetation period. 037333
Localisation of carbon metabolism in two assimilation tissues of **maize** *leaf.* 037443
Comparison of methods for **measuring** *leaf* and tuber water potentials in potatoes. 037627
Leaf-cutters **[Megachile]** of the serpentine. 039807

The *leaf-eating* **microlepidoptera** of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. 040075
The carotenoid content of galls produced by Eriophyes tiliae var. rudis Nal. (Acarina) on Tilia cordata **Mill.**, *leaves*. 039400
Post-infection changes in amino-acid contents of *leaves* of **Mimusops** hexandra infected by Pestalotiopsis neglecta. 038707
Studies on the leaf-margins. 2. On the *leaf-margin* **morphology** of Cercidiphyllum japonicum Sieb et Zucc. 036327
Comparative studies on the physiology of *leaf*, **neck** and earhead isolates of Helminthosporium sativum Pam., King and Bakke parasitic on wheat crop in Karnataka. 038748
Observations of the penetration of the phloem in *leaves* of **Nerium** oleander (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). 036349
Effects of the amount of nitrogen absorbed up to the stage of 90 in *leaf* **number** index on the morphological characteristics, the degree of lodging and the yield components in rice plants. 037541
Comparative wet-digestion and dry-ashing of orange and Schefflera [actinophylla] *leaves* for **nutrient** determinations. 037730
Environmental regulation of the population size of the **oak** *leaf* roller moth (Tortrix viridana L.) in the Niepolomice Forest. 039384
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and water vapour efflux during *leaf* **ontogenesis** with the differences between the [tobacco] leaves according to their descending insertion level. 037367
The importance of *leaf* **orientation** for light reception by sunflower plant. 037601
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal [rats] and plant [**pea** *leaves*] tissues. 034195
Mutations of the type of *leaf* in **pea** and the system of the genetic control of this character. 036650
Isolation of chloroplasts and chloroplast DNA from **pea** *leaves*. 037661
Some regulatory properties of **pea** *leaf* carbamoyl phosphate synthetase. 037815
Changes in the chlorophyll, plastoquinones and ubiquinone content of the **peach** *leaves* (cv. Elberta) infected by Taphrina deformans (Berk.) Tul. 038758
Volatile components of **pecan** *leaves* and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. 037760
Ultrastructure of **pepper** *leaves* with chlorophyll changes under the effect of nitrosomethylurease. 036282
Peculiarities of the anatomical structure of the *leaf* **petiole** in the species of Seseli L. and their taxonomic significance. 035980
Gibberellin promotion of **physiological** *leaf* spot [non-pathogenic disorders] in detached 'Golden Delicious' apple leaves. 037793
Water-vapor transfer from fluttering [citrus] *leaves* within a **plant** canopy. Field observations and laboratory experiments. 037797
Diseases and physiological damage to *leaves* of **pome** fruit. 038980
Linospora ceuthocarpa (Fr.) Munk ex Morelet, a parasite of poplar [**Populus**] *leaves*. 038612
Note on epidemiology and control of popular [**Populus** *nigra*]*leaf* rust [Melampsora laricipopulina]. 038753
Potato *leaf* and tuber water potential measurements with a pressure chamber. 037628
Light-induced inhibition of sporangial formation of Phytophthora infestans on **potato** *leaves*. 038583
Leaf fall and the rate of litter decay in some forest habitats [in relation to *leaf* **production** and saphrophage activity]. 036923
Leaf **protein:** scant research despite economic potential [as food ingredient]. 032814
Observations on the development and the ultrastructure of some erinoses. II. Erinose caused by Eriophyes paderineus L. on the *leaves* of **Prunus** padus L. 039235
Geographical differences in *leaf* **resin** components of Eremophila fraseri F. Muell. (Myoporaceae) [from Australia]. 035965
Flavonoids of the *leaves* of **Rhamnus** pallasii. 036880
Biochemical changes in *leaves* of different **rice** varieties due to tungro virus infection. 038908
Investigations on laboratory methods in estimating the resistance of potato selection materials to *leaf* **roll** virus [induced through viruliferons Myzus persicae]. 038933
Root formation in poplar [Populus nigra] cuttings: the effect of the *leaf* on **root** formation. 035660
Content of phoshorus of nuclei acids and the intensity of respiration in *leaves* and **roots** of wheat as affected by water deficit. 037569
Better coffee farming. Control of coffee berry disease (CBD) [Colletotrichum coffeanum] and *leaf* **rust.** 038739
Changes of longitudinal growth and chemical components in pine (Pinus densiflora) *leaves* on **sandy** soils resulting from fertilization. 037920
Etiology of almond [Prunus amygdalus] *leaf* **scorch** disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. 038869
Physiological studies in **senescent** *leaves* of sugarcane var. Co. 740. 037454
Incidence of pathogenic fungi on *leaves* [**Sesame**]. 038692
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] *leaves* and **Sinapis** alba cotyledons. 036920
The distribution of phenolic compounds in the *leaves* of some **species** of the genus Allium. 036915
Changes in leaf area and **specific** *leaf* weight of sugarbeet leaves during the growing season. 037388
Photosynthetic CO2 [carbon dioxide] assimilation in maize and **spinach** *leaves* and chloroplasts. 037446
Purification and properties of S-adenosyl-L-homocysteine hydrolase from *leaves* of **spinach** beet. 037640
Penetration of Zea mays [maize] by Helminthosporium carbonum *[leaf* **spot].** 038585
In vitro and in vivo germination of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of *leaf* **spot** of Populus]. 038611
CR 17-1-34, Cercospora [cruenta] *leaf* **spot** resistant southernpea [Vigna unguiculata] germplasm [South Carolina]. 038634
Curvularia [lunata] *leaf* **spot** of Japanese mint in India. 038649
Epidemiological observations on *leaf* **spot** (Cercospora sp.) of black gram [Mungo beans]. 038686
Role of auxins in *leaf* **spot** incidence in ragimillet incited by Helminthosporium tetramera. 038712
Role of phenolics in *leaf* **spot** disease incidence in ragimillet incited by Helminthosporium tetramera. 038713
Leaf **spot** of tomato caused by Sclerotium rolfsii [Nigeria]. 038778
A contribution to the occurrence of *leaf* **spot** fungi on Kentucky bluegrass (Poa pratensis L.). 038835
Studies on bitter pit of apple. III. Effect of *leaf* **spraying** with different products. 038957
Beta-sitosterol from Rhododendron caucasicum Pall **stems** and *leaves*. 037268
A preliminary study of aquatic hyphomycetes on leaves in forest and **stream** *leaf* litter. 036230
Changes in leaf area and specific leaf weight of **sugarbeet** *leaves* during the growing season. 037388
Ultrastructure of wilt syndrome caused by Verticillium dahliae. II. In **sunflower** *leaves*. 038590
Modification of metabolism in Virginia creeper [Parthenocissus tricuspidata] *leaves* from **sunny** or shaded exposures. 037141
Structural organization and the pigment fund of the plastid apparatus of the unit of the *leaf* **surface** area and the productivity of flax under different conditions of zinc and copper nutrition. 037576
Studies on tea. I. Contents of mercury, lead, and cadmium in **tea** *leaves* and tea decoctions [Toxic trace elements]. 032157
Estimation of chlorophyll in **tobacco** *leaves* by direct photometry. 037349
Transpiration rate and intercellular diffusive resistance in the **tobacco** *leaf*. 037372
Influence of ionic strength, pH [hydrogen-ion concentration], and **chelation of divalent metals** on isolation of polyribosomes from **tobacco** *leaves*. 037521
Germination of Botrytis [cinerea] and Sclerotinia [sclerotiorum] **spores in the presence of** pollen on **tobacco** *leaves*. 038751
Activity and localization of succinyl-conzyme A synthetase in **tobacco** *leaves* infected with tobacco mosaic virus. 038900
Effect of seed irradiation (60Co) [cobalt isotope] on the development of coloring substances and total surface of **tomato** *leaves*. 037618
Effect of alkaline cations on the electrophoretic spectrum of water-soluble proteins of **tomato** *leaves*. 037861
[Seasonal] variation in the mineral contents of *leaves* of **trees** in miombo woodland [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. 037918
First the blossoms and then the *leaves* [**Tussilago** farfara, physiology]. 037784
Water movement into and through Tradescantia virginiana (L.) *leaves*. I. **Uptake** during conditions of dynamic equilibrium. 037043
Nonnuclear mutations in sunflowers. III. Unusual somatic segregation of plants with **variegated** *leaves*. 036684
Structure of new alkaloids from the *leaves* of **Voacanga** thouarsii. 036853
Leaf conductance and *leaf* **water** status of sesame strains in hot, dry climates. 037392
Quantitative and qualitative variations in *leaf-surface* **wax** in three varieties of wheat varying in susceptibility to blight caused by Alternaria triticina. 038708
Identification of the small subunit of ribulose 1,5-bisphosphate carboxylase as a product of **wheat** *leaf* cytoplasmic ribosomes. 037357
Content of plastid pigments in winter **wheat** *leaves* in autumn-winter-spring period. 037412
Interrelation of water state and energy metabolism of winter **wheat** *leaves*. 037417
Phosphoric metabolism in winter **wheat** *leaves* depending on plant supply with phosphorus. 037418
Content of growth substances in **wheat** *leaves* in ontogenesis. 037568
A quantitative method for estimating density of Septoria tritici pycnidia on **wheat** *leaves* [Leaf blotch]. 038761
Content of nucleic acids and protein in **wheat** *leaves* infected with rust [Puccinia graminis]. 038798
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in *leaves* of **Xanthium** strumarium L. after pretreatments in warm and cold growth chambers. 037200
Nutrient concentrations and interactions in **young** *leaves* of potato plants growing with and without tubers. 037631

LECITHIN

Control of bitter pit in apples with *lecithin* and **calcium** [Physiological disease]. 039039
Differences in total lipid and fatty acid composition of doughnuts as influenced by *lecithin* **leavening** agent, and use of frying fat. 032196
The different fatty acid composition of *lecithins* in the **sacroplasmic** reticulum vesicles and the membranes of adrenal chromaffin granules [Cattle, rabbits, rats]. 034118
Soybean *lecithin* processing unit operations. 033259

LEEKS

Use of benomyl in the storage of *leeks* [**Fungus** diseases]. 038626
On the pathogenesis of Leveillula taurica Arn. [Powdery mildew, **Solanaceae,** *leeks]*. 038608

LEEUWENHOEKIIDAE

A new species of the trombiculid mites, Straelensia tauricasp. n., (Acarina, *Leeuwenhoekiidae,* **Apoloniinae).** 040134

LEGAL

New *legal* regulations concerning service standards [Equipment]. 031773
New *legal* regulations [Food]. 032048
Legal **regulation** of breeding and reproduction of farm animals. 034858

LEGHEMOGLOBIN

Tryptophanyl circular-dichroic band in **soybean** *leghemoglobin*. 037407

LEGISLATION

Anticommunity land settlement: concept and problem *[Legislation,* **Austria].** 031234
Coordination of apiculture with agriculture in **Baden-Wurttemberg** *[Legislation].* 040202
Need for **bringing** *legislation* up to date for greater diversification and better utilization of foods. 031778
Policy on grape growing and wine production in the EuropeanEconomic **Community** *[Legislation].* 031786
Quality wines in Italian and European Economic **Communuty** *legislation* [Labeling]. 031787
Co-operation, co-operativism? Notes on certain provisions in recent **co-operative** *legislation.* 031801
Hidden vices in the sale of domestic animals [**Diseases,** *legislation].* 034875
Turning point in agricultural and forestry **education** *[Legislation].* 031823
Federal *legislation* of forest practices. 035556
We have stopped at 1927 with our civic customs [Land reform, *legislation,* **history].** 031154
Too many doctors around the mountain, the large patient [Forest **management,** *legislation].* 035513
Planning activities in the area of **nutrition** *legislation.* 032470
Current status of **pesticide** *legislation.* 031866
Honey **standards** *legislation* [Quality control]. 032033
Aggravations in the maintenence of bodies of **water** *[Legislation].* 041441
The Mediterranean sea condemned to death because of inadequacy of *legislation* **[Water** pollution]. 041479

LEGS

Changes in the metabolism of the shivering **hind** *leg* of the young ox during several days of continous cold exposure. 034158
Results **regarding** *leg* and claw health in swine [Abnormalities]. 035372

LEGUMES

Stimulation of the quality [of grain of cereals, *legumes* and **buckwheat,** through state procurement prices]. 031511
Results of four years of grazing experiments with Dactylis glomerata associated with five different *legumes*. I. **Evolution** of the soil-covering ability of the seeded species and some weeds. 037973
The most appropriate moisture content of [vegetable, grass, *legume* and **flower]** seeds for their long life span [Viability]. 037848
Amount of micronutrients in *[leguminous]* **forage** crops grown in the Khar'kov area. 037603
Annual **forage** *legumes*, a source of feed protein [Cultivation]. 038037
Effect of harvesting stage on cereal and *legume* **forage** production in low rainfall regions. 038047
Winter weeding of **forage** *legumes*. 039156
Studies on the in vitro digestibility of starch in some *legumes* before and after **germination.** 032417
Possibility of diagnosing resistance of **grain** *legumes* to low positive temperatures from physiological indexes. 037419
Comparative productivity of **grain** *legumes* [for food and feed, Mordvinian ASSR]. 038190
About the major changes in the varietal zoning of **grain** *legumes* [Peas, kidney beans, chickpeas]. 038535
The SS-0,5 scarifier [**Herbacious** *legumes*, seed processing equipment]. 040492
Herbage *legumes* in Northern Ireland [Culture]. 037974

Production of cellulose microfibrils by Rhizobium **[Infection** of *legumes].* 037355
Studies on competition between grasses and *legume* in **mixed** sward [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243
Diversify cropping pattern in rabi by sowing raya *[Leguminous* **oil** crop]. 038124
Some comments on the effect of *leguminous* **plants** on health conditions of farm animals. 034517
Effect of germination on the biological value, digestibility coefficient and net protein utilization of some *legume* **proteins.** 032408

LEGUMINOSAE
Effects of bentazon and dinoseb on soil microorganisms and on the *Rhizobium-Leguminosae* **symbiosis.** 039182
Brachycylix, a new genus of **tropical** *Leguminosae* (Caesalpinioideae). 036119

LEMMINGS
Mites from *lemmings* of **east** Taimyr. 039499

LEMONS
Thermophysical properties of **frozen** *lemon* juice related to freeze-drying problems. 033354
A comparison of two pruning methods on **mature** *lemon* trees. 038279

LENSES
Leucine aminopeptidase **(bovine** *lens):* Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. 034041
Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in cultured **rabbit** *lens* epithelium. 033766
Studies on biosynthesis of **soluble** *lens* crystallin antigens in the chick by isoelectric focusing in thin-layer polyacrylamide gel. 033888

LENTILS
Lentil **yield** increases with Rhizobium inoculation. 038127

LEPIDOPTERA
Contribution to the study of Coleophoridae. VII. A new Coleophora species from southern Spain. First classes and the male of Coleophora nitidipennella Toll ' Amsel, 1967. The male of Coleophora coarctataephaga Toll, 1961. *(Lepidoptera,* **Coleophoridae).** 040155
Study of *Lepidoptera-,* **Coleoptera-** and Hymenoptera borers. II. 039212
Chemical control of the potato tuber worm, Gnorimoschema operculella Zell. *(Lepidoptera:* **Gelechiidae)** in Karnataka. 039350
New data on the fauna of **Gelechiidae** *(Lepidoptera)* from the European part of the USSR [New taxa]. 040052
The resistnace of corn to Ostrinia nubilalis **Hbn** *(Lepidoptera,* Pyralidae) and the prospects for international cooperation on this problem. 039279
Effects of some juvenile hormone analogues on the last instar larvae of Cephonodes **hylas** L. *(Lepidoptera).* 039211
Toxic effects of copper on turnip moth (Scotia segetum Den. Et Schiff. *Lepidoptera).* 3. **Influence** of anorganic copper compounds on fertility of imagos. 039318
Descriptions of two new species of butterflies [Strymonidiajebelia, Pseudophilotes sinaicus] *(Lepidoptera,* **Lycaenidae)** from the south Sinai. 040090
Further investigations on biophysical factors and their effects on Lymantria monacha L. *(Lepidoptera,* **Lymantriidae)** [Forest pests]. 039380
Geographical patterns of evolution in **neotropical** *Lepidoptera.* Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091
Adult dormancy in some species of the genus **Noctua** *(Lepidoptera,* Noctuidae) in Central Europe. 039604
Effect of some host plants on development and reproduction of Spodoptera littoralis (Boisd.) *(Lepidoptera,* **Noctuidae)** [Cotton pests]. 039260
Effect of photoperiod on emergence rhythm of adult Spodoptera littoralis Boisd. *(Lepidoptera,* **Noctuidae).** 039622
The effect of the light regime upon the Accumulation of phospyhorus combinations in pupae of Heliothis armigera Hb. *(Lepidoptera,* **Noctuidae).** 039719
New Noctuidae from the Vartian Collection (Vienna). I. *(Lepidoptera,* **Noctuinae)** [Austria]. 040156
Life history of Precis hedonia zelima (Fabricius) *(Lepidoptera:* **Nymphalidae).** 039628
Melanitis leda bankia (Fabricius) *(Lepidoptera:* **Nymphalidae)** in Sydney and on Norfolk Island. 039984
A review of the subfamilies of the **Oecophoridae** *(Lepidoptera)* of Europe. 040067
Presence in Indonesia and Malaysia of a *Lepidoptera* **oilpalm** root miner, Sufetula sunidesalis Walker, and its relationship to attacks by Ganoderma. 039238
Varietal differences in the susceptibility of Brussels sprouts to *lepidopterous* **pests.** 039316
Catalog and location of types of the Central European **Pterophoridae** *(Lepidoptera,* Pterophoridae). II. 040005
Cephalic and thoracic nerves of the castor silk moth Samia **ricini** *(Lepidoptera,* Saturniidae). 039606
The external genitalia of a gynandromorph of Nudaurelia cytherea cytherea (Fabr.) *(Lepidoptera:* **Saturniidae).** 039843
Studies on the natural history of Central American butterflies in the family cluster **Satyridae-Brassolidae-Morphidae** *(Lepidoptera:* Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. 040147
Pest infestation [Coleoptera, *Lepidoptera]* in **stored** mushroom. 039434
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of larch moths (Tortricidae, *Lepidoptera)* **[Tmetocera** lariciana, Ptycholoma aeriferana,. 039407
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., *Lepidoptera,* **Tortricidae)** populations in Hungary [Pest of hemp]. 039249
On the microflora of Laspeyresia pomonella L. *(Lepidoptera* **Tortricidae).** II. Fungi. 039718
Zygaena orana in western Algeria, with the description of anew subspecies Zygaena orana tafnae *[Lepidoptera,* **Zygaenidae).** 040079

LEPTINOTARSA
Preparing of dimethoate in insecticide form for ultra-low volume treatments *[Leptinotarsa* **decemlineata,** Eurygaster]. 039299
Glandular hairs on [the potato] Solanum polyadenium lessen damage by the Colorado beetle *[Leptinotarsa* **decemlineata].** 039313
Age-dependent changes in juvenile hormone esterase and general carboxyesterase activity in the hemolymph of the Colorado potato beetle, *Leptinotarsa* **decemlineata.** 039877

LEPTOCERA
Leptocera **(Opacifrons)** moravica sp. N. From Czechoslovakia (Diptera, Sphaeroceridae). 039980

LEPTOSPIRA
Leptospirosis of sheep; natural infection by the **serotype** *Leptospira* hardjo [Abortion]. 034984

LEPTOSPIROSIS
Use of immunofluorescence in the diagnosis of *leptospirosis* **[Cattle].** 035255
Serologic evidence of **equine** *leptospirosis* in the northeast United States. 035052
The efficacy of Candivac SHL against distemper, canine viral hepatitis, *leptospirosis,* and **rabies** tested in dogs. 035140
Leptospirosis of **sheep;** natural infection by the serotype Leptospira hardjo [Abortion]. 034984
Dynamics of antibody formation in **swine** with *leptospirosis.* 035236

LEPUS
A study of seasonally delayed puberty in the male hare, *Lepus* **europaeus.** 034678
Preliminary results on plasma progesterone levels during pregnancy and superfetation in the hare, *Lepus* **europaeus.** 034689

LESIONS
Selective deficit in feeding behavior following the antero-medial **amygdaloid** *lesions* in cats. 033716
The effect of *lesions* of the **dorsomedial** thalamic nucleus on alimentary conditioned reflexes and food intake in dogs. 033723
Lesions by **hepatitis-B** [virus] antigen-containing sera in tobacco plants (Nicotiana tabaccum variety Xanthi). 038906
Ferrihemoglobin and **kidney** *lesions* in rats produced by 4-aminophenol or 4-dimethylaminophenol. 035393
Observations concerning the relationship between some epizootologic factors and the frequency of *lesions* in **pig** enzootic pneumonia. 035191
Chorioretinitis and detached retina as **post-distemper** *lesions* in the canine. 035100
Effects of partial **prefrontal** *lesions* in dogs on go-no go avoidance reflex differentiation and reversal learning. 033707
Retention of symmetrical go-no go avoidance differentiation after **prefrontal** *lesions* in dogs. 033838
Dissociative effects of **selective** *lesions* in the caudate nucleus of cats and rats. 033706
The epidemiology of common root rot [Cochliobolus sativus[in Manitou wheat. III. Development of *lesions* on **subcrown** internodes and the effect of added phosphate. 038587
The influence of seasonal changes in light on hormones in normal cats and in cats with *lesions* of the **superior** colliculi and pretectum. 034064

LESPEDEZA
Sericea *[Lespedeza* **cuneata]-grass** mixtures [Forage varieties]. 037992
Management of Serala **sericea** *(Lespedeza* cuneata) for forage and seed [Varieties]. 037991

LETHAL
Acute *lethality* after fast-neutron and X-irradiation of Tribolium confusum. 039903
Studies on chemically induced **dominant** *lethality.* I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ cells [Mice]. 034758
Yield and protein content of wheat varieties (Kalyansona and N1-5642) as influenced by *sublethal* **doses** of herbicides. 039169
Sublethal **effect** of 5-chlorouracil on carp (Cyprinus carpio) larvae. 039577
Chondrodystrophy: an **inherited** *lethal* condition in turkey embryos. 035345
Isozymes patterns and enzyme activity of lactate and alcohol dehydrogenase of the *lethal* **mutant** 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Temperature-dependence of repair of *sublethal* **radiation** damage in Drosophila [melanogaster]. 039905
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of **recessive** *lethals* in the absence of detectable chromosome breakage. 039881
Lethal **trait** A46 (hereditary zinc deficiency) in Dutch Friesian cattle, a deficiency of cellular immunity? 035302

LETTUCE
Relations between divalent cation binding and ATPase [adenosintriphosphatase] activity in coupling factor from **chloroplast** *[Lettuce].* 037698
Postharvest requirements of *lettuce* to **control** physiological disorders. 033402
What's new in growing **cos** *lettuce?* [Varieties]. 038349
Packaging and handling **crisphead** *lettuce.* 033398
[Mechanical] harvesting and handling of **crisphead** *lettuce.* 033407
Further use of systemic fungicides in *lettuce* **cultivation.** 038824
Further use of systemic fungicides in *lettuce* **cultivation.** 2. 038825
Production of **desert** *lettuce.* 038377
Lettuce: **destination** inspections—why and how. 032062
Hormonal regulation of hypocotyl elongation in Lactuca sativa L. *[Lettuce].* I. **Evidence** against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778
Rail/ship distribution of **fresh** *lettuce.* 031669
Growing *lettuce* for harvest in February. 038309
What's new in **growing** *cos* lettuce? [Varieties]. 038349
Lettuce **handling** systems [Container packing]. 033397
Lettuce **handling** systems [Harvesting]. 038376
Short day handling of early autumn **head** *lettuce* [grown] under glass. 037877
Further determination concerning breakdown of PCNB [pentachloronitrobenzene] in **head** *lettuce* cultivated under glass. 039596
Lettuce **head** maturity gage [Measuring equipments]. 040476
Transportation of western **Iceberg** *lettuce,* yesterday, today, and tomorrow. 031672
Harvesting, packing, and cooling western **Iceberg** *lettuce.* 033396
Unitized handling of western **Iceberg** *lettuce.* 033406
The **Iceberg** *Lettuce* Research Program. 038378
Swedish hothouse research with *lettuce* **indicates** many promising varieties. 038330
Background of the *lettuce* **industry** [Production, marketing, transportation]. 031665
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis **isolated** from *lettuce].* 038851
Secondary dormancy in **light-sensitive** *lettuce* seeds incubated anaerobically or at elevated temperature. 037674
Marketing of *lettuce.* 031667
Reference list: postharvest handling and **physiology** of *lettuce.* 033403
The relationship between crop yield (or mean plant weight) of *lettuce* and **plant** density, length of growing period, and initial plant weight. 038389
Attempts to detect cyclic adenosine 3':5'-monophosphate in higher plants by three assay methods [Oats, tobacco, **potatoes,** *lettuce].* 037519
On the cause of *[lettuce]* **seed** deterioration in dry storage [Germination]. 037845
Test of varietal behavior of *lettuce* under **shelter.** 038429
Selection of *lettuce* **varieties.** 038515
Research to improve transit environments for **western** *lettuce.* 031671

LEUCAENA
Registration of Hawaiian Giant K8 *Leucaena* **[latisiliqua].** 036441

LEUCINE
Leucine **aminopeptidase** (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, magnesium ions] to and on activation of the enzyme. 034041
Response of alanine, tyrosine & *leucine* **aminotransferases** to dietary pyridoxine & protein in rat tissues. 032336
Metabolism of *L-leucine-U-14C* **[carbon** isotope] in young rats fed excess glycine diets. 034252
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 *[isotope]-leucine* and. 034303
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 *[isotope]-leucine* and **tritiated** glycine. 034302

LEUCOJUM
Alkaloids of *Leucojum* **vernum.** 036870

LEUCONOSTOC
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in green tea inhibiting the growth of *[Leuconostoc* **mesenteroides** P-60]. 2. 032848

LEUCOPENIA
A feline calicivirus vaccine combined with feline viral rhinotracheitis and **feline** *panleukopenia* vaccine. 035060

LEUCOPHAEA
Histological and cytological study of the tergal gland of *Leucophaea* **maderea** and its evolution during the sexual maturation of the male. 039625

LEUCOPUS
Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, **Peromyscus** *leucopus*, in southwestern Wisconsin. 039485

LEUKEMIA
Characteristics of the major internal protein and RNA-dependent DNA polymerase of **bovine** *leukaemia* virus [Cattle, sheep]. 035108
Cat *leukemia* and its viruses. 034962
Glycogen demonstration in the leucocytes of healthy and leucotic **cattle** *[Leukemia].* 035373
Detection of a specific antigen in white blood cells of cattle with *leukemia* by the **direct** fluorescent antibody procedure. 035280
Chronic relapsing stomatitis in a cat associated with **feline** *leukemia* virus infection. 035061
Myeloproliferative disorders in the cat. 3. Progression from erythroleukemia into **granulocytic** *leukemia.* 035314
High molecular weight RNAs from Rous sarcoma virus and Moloney **murine** *leukemia* virus contain two subunits. 035105

LEUKOCYTES
Electron microscopy study of the development of neurovaccinia virus in rabbit **blood** *leucocyte* cultures. 035117
Phagocytic activity of **bovine** *leukocytes* during pregnancy [Staphylococcus aureus]. 035034
Method of **calculating** *leukocytes* in phase contract [Leukosis, cattle]. 035246
Influence of some hormones on the oxygen consumption in *leucocytes* of different **cattle** races and hybrids. 034617
Glycogen demonstration in the *leucocytes* of **healthy** and leucotic cattle [Leukemia]. 035373
The multiple forms of acid phosphatase from **horse** *leucocytes.* 033839
Milk *leucocyte* counts and their significance in mastitis control [Dairy cattle]. 035162
Determination of genetic sex by sexual chromatine in nuclei of **neutrophyl** *leucocytes* of the peripheral blood in vertebrates. 034807
Changes of **peripheral** *leukocyte-counts* by electrically induced convulsion in rabbits. 034082
Patho-physiological studies on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN *[polymorphonuclear]-leukocytes* **[Rabbits].** 035304
The effect of plant growth substances and natural products on RNA and DNA **synthesis** in *leukocytes.* 036927

LEUKOSIS
Some elements of etiopathogeny in **cattle** *leukosis.* 035195
Method of calculating leukocytes in phase contract *[Leukosis,* **cattle].** 035246
Glycogen demonstration in the leucocytes of healthy and *leucotic* **cattle** [Leukemia]. 035373
Some problems of *leucosis* **genetics** in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. 035315
Duration of post vaccination immunity to foot-and-mouth disease in cattle with chronic diseases. Experiments on *leukosis* and **tuberculosis.** 035018

LEVEILLULA
On the pathogenesis of *Leveillula* **taurica** Arn. [Powdery mildew, Solanaceae, leeks]. 038608

LEVOGLUCOSAN
Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the acid-catalyzed pyrolysis of cellulose and **1,6-anhydro-beta-d-gluco-pyranose** *(levoglucosan).* 035718

LEWISIA
A rarely seen small perennial *[Lewisia]* in the **southwesternarea** of Norway [Varieties]. 038417

LIBOCEDRUS
Lignans and sugiol from *Libocedrus* **bidwillii.** 037932

LIBRARIES
National Society of Agriculture and the **depository** *library* of the Food and Agriculture Organization. 031107
The *library* **exchange** project of the US-USSR agricultural agreement. 031006
Regional document delivery via [agricultural] **land-grant** *libraries* in 1974. 031005
Bibliographic control of USDA—owned [agricultural] *library* **materials.** 031002
"Our prime obligation is to teach, to educate and to act asa living **reference** *library"* says John Bryan, Strybing arboretum director. 035920

LICE
Clover and *lice* **[Anoplura,** Mallophaga] in pasture cultivation. 039304
Lice **[Anoplura,** Mallophaga]. Means of controlling lice [in fur animals]. 039512
Can the cabbage **leaf** *louse* be controlled on autumn rape? [Diaeretiella rapae, biological control]. 039303
The catastrophe also started in Switzerland 100 years ago: the course of the **vine** *louse* [Phylloxera vastatrix] epidemic. 039363
Role of desert **wood** *lice* [Hemilepistus fedtschenkoi] in decomposition of plant [Phlomis bucharicus] remains. 039975

LICHENS
Some Ramalina species with punctiform pseudocyphellae in East **Africa** *[Lichens].* 036089
Growth of some **caribou** *lichens* of the genus Cladonia (subgenus Cladina) in a subarctic environment in New Quebec. 037130
New *Lichens,* [in Lecanora, Ramalina and Usnea] whose isotype will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the Botanical Institute of the Czechoslovak Academy of Sciences]. 036013
The genus Pyxine in East Africa *[Lichens,* **new** taxa]. 036093
Some new or interesting *lichens* from the **Sierra** del Cabo de Gata (Almeria, southeastern Spain). 035938
Studies on *lichen-dominated* **systems.** XIII. Seasonal and geographical variation of new CO2 [carbon dioxide] exchange of Alectoria ochroleuca. 036856
Studies on *lichen-dominated* **systems.** XIV. The comparative ecology of Alectoria nitidula and Cladina alpestris [Photosynthesis and respiration]. 036857
Studies on *lichen-dominated* **systems.** XV. The temperature and humidity profiles in a Cladina alpestris mat. 036858
Studies on *lichen-dominated* **systems.** XVI. Comparative patterns of net CO2 [carbon dioxide] exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859

LIGANDS
Ligand **binding** properties of horse hemoglobins containing deutero- and mesoheme. 034042

LIGASES
Small-angle X-ray scattering study of the interaction between lysine transfer **RNA** *ligase* from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057

LIGATION
The effects of **ductal** *ligation* on the parenchyma of salivary glands of cat studied by enzyme histochemical methods. 033918

LIGHT
Ultrastructural studies of development and *light-dark* **adaptation** of the eye of Coccinella septempunctata L., with particular reference to ciliary structures. 039940
[Poultry] selection for egg production under **ahemeral** *light-dark* cycles [Genetics]. 034573
Raising tomato plants under **artificial** *light* in greenhouse and in the growing room. 037876
Regulatory action of **blue** *light* on the activity of carboxylating enzymes and enzymes of the glycolate pathway in broadbean and maize plants. 037449
Natural radiocarbon measurements on humic substances in the *light* of **carbon** cycle estimates. 040630
On the mechanism of photoregulation or morphoses: *light-depending* **carotenoid** synthesis [Fusarium aquaeductuum, Neurospora crassa, fungi]. 036798
Light-dependent **carotenoid** synthesis in the tomato fruit. 037759
Safety of *light-activited* **chemical** substances in foods, drugs, and cosmetics. 031993
The *light-harvesting* **chlorophyll** a/b-protein complex of Chlamydomonas reinhardii [Algae]. 037205
The pigment fund of [pea] chloroplasts as a function of the spectral **composition** of *light.* 037867
Effects of *light* on **concentrations** of some volatile materials in milk. 032977
Study of supplementary lighting in greenhouses. Ecophysiological aspects of flax growth under different *light* **conditions.** 037495
Regulation of pineal rhythms in chickens: effects of blinding, **constant** *light,* constant dark and superior cervical ganglionectomy. 033887
Effects of a light-Dark cycle on the growth of Scenedesmus protuberans Fritsch [Algae] in *light-limited* **continuous** cultures. 036961
The reversible, *light-induced* **conversions** of xanthophylls in the chloroplast. 036802
Effects of a *light-Dark* **cycle** on the growth of Scenedesmus protuberans Fritsch [Algae] in light-limited continuous cultures. 036961
Effect of *light-dark* **cycles** on adult emergence in the aphid parasite Aphidius smithi. 039660
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on *light-induced* **cytochrome** changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Kinetics of auxin transport in *light* and in **dark** grown Zea mays L. coleoptile segments. 037613
Some elements of traffic in the *light* of **direct** measurements on forest roads. 035624
Questions on Northwest-German land settlement and field research in the *light* of **East-German** research [History]. 031184
Light and **electron** microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep. 035286
Light and **electron** microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
A note on *light* and **electron** microscopy studies of white pine [wood] exposed to marine [mollusk and crustacean] borer damage. 035894
Effects of magnesium and chloride ions on *light-induced* **electron** transport in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
The tympanic organ of Cicada orni L. (Cicadina, Homoptera). A *light* and **electron** microscopic investigation. 039954
Problems of breeding barley with a high lysine content in the *light* of **genetic,** biochemical and nutritional studies. 036616
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the *light* **Gray** Forest fine loamy soil. 040869
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. II. Changes of protein fractions during germination and development of etiolated plants and **grown** in *light.* 037438
Effect of a *light-break* on the **growth** and development of Epilobium hirsutum and Lythrum salicaria in short photoperiods. 036761
Use of Ough's method to determine proline in *light* and **highly** colored fruit juices and their concentrates [Adulteration]. 032132
The influence of seasonal changes in *light* on **hormones** in normal cats and in cats with lesions of the superior colliculi and pretectum. 034064
Light-induced **inhibition** of sporangial formation of Phytophthora infestans on potato leaves. 038583
Light **inhibits** the labelling of gangliosides in chicken retina. 034113
Changes in lower layers of a forest phytocoenosis under the influence of a faint increase of *light* **intensity.** 037325
Intermittent *light* speeds broiler growth and improves efficiency [Chickens]. 033916
The forest resources of Sabah and their development in the *light* of **land** capability classification. 035600
Secondary dormancy in *light-sensitive* **lettuce** seeds incubated anaerobically or at elevated temperature. 037674
Functional role of photoinduced electric response of the plant during uptake of phosphorus from soil in the *light* **[Maize,** grapes]. 036940
Carboxylic ester hydrolases in the thyroid gland of the guinea-pig. A *light* **microscopic** study. 033917
Studies on Sargassum. I. A *light* **microscopic** examination of the wound regeneration process in mature stipes of Sargassum filipendula [Algae]. 036268
Genetic analysis of *light-sensitive* **mutants** of Chlaydomonasreinhardi [Algae]. 036541
Translocation and metabolism of [3H]gibberellins by *light-grown* **Phaseolus** coccineus [scarlet runner beans] seedlings. 037819
The importance of leaf orientation for *light* **reception** by sunflower plant. 037601
Reactions of violaxanthine cycle induced by high and lower beams of **red** *light* [Hydrangea hortensis]. 037708
35S [sulfur isotope] translocation and reduction in Sinapis arvensis L. depending upon the *light* **regime.** 036921
The effect of the *light* **regime** upon the Accumulation of phospyhorus combinations in pupae of Heliothis armigera Hb. (Lepidoptera, Noctuidae). 039719
Energy migration from photoreceptors of green **region** *light* (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
Light **responses** of Daphnia pulex [Algae]. 037089
The effect of [field] crop rotation on yield variation in the *light* of **results** from some long-term rotation experiments. 038071
Effect of *light* on **seed** germination and seedling growth of Merremia species. 036945
The change of agrochemical properties of **soddy-podzolic** *sandy-light* loamy soil as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Effect of *light* **spectrum** on the growth and sporulation of two strains of Choanephora cucurbitarum. 038685
Problem of the regeneration of fir and mixed stands with fir with the use of improved cutting methods in the *light* of **studies** in the VIth Land—Central Poland Uplands. 035623
Consumptive use and water requirement of dwarf wheat in *light* **textured** soils of Rajasthan. 041231
Two mechanisms of the *light-dependent* **transport** of proton in chloroplasts of plants [Maize, peas]. 037402
Some *light* **trap** investigations in the assessment and forecasting of sugarcane borers. 039253
The significance of *light* **trap** results for field studies on Neuroptera. 039623
Studies on the formation of vitamin D by sunlight irradiation of provitamin D. III. Yearly variation of **ultraviolet** *light* intensity in sunlight. 032466
A genetic analysis of the nature of the reversions induced by **ultraviolet** *light* in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. 036664

Annotated bibliography on the use of *light* (**UV** [ultraviolet], visible and IR [infrared]) in assessing the quality, maturity or defects in fruit and vegetables, 1967-1974. 033445
The effect of *light* on the **vegetative** and generative development of further five apple varieties, grown on M4 rootstocks. 037644
Phototaxis of the Myxomycetes [Fungi]: Behaviour of old plasmodia in **white** *light* [Physarum nudum]. 036847

LIGHTWEIGHT
New **Norwegian** *lightweight* saw [Logging]. 035793
Trials with *lightweight* **sugarbeet** toppers. 040458

LIGNAN
The isolation and structure of 6"-bromo-isoarboreol—the first bromine **containing** *lignan* [Gmelina arborea]. 037300
Lactonic *lignans* from Cnicus benedictus. 037167
Lignans and **sugiol** from Libocedrus bidwillii. 037932

LIGNINS
Use of a modified method for determining methoxyl groups in *lignin* **preparations.** 035826
Sugar form paper filters *[Lignin* **research].** 035839
Microbiological degradation of *lignin* [**Wood** destroying fungi]. 035860

LIGNITES
Forest regeneration of *lignite* mine **terraces** of the Dnieperarea and its limiting factors. 034435

LIGNOCELLULOSE
Lignocellulose **batteries:** potential sources of stored electrical energy. 035883
Brown rot [Piptoporus betulinus] of [Betula] wood as a model for studies of *lignocellulose* **humification.** 035700

LIGUSTRUM
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals *[Ligustrum* **japonicum,** Juniperus procumbens]. 041065
Effects of [the fertilizer] Osmocote in the rooting medium and auxin levels on rooting and subsequent growth of cuttings [Ilex, *Ligustrum* **japonicum,** Juniperus chinensis]. 041068

LILIES
Lily **breeding**—Asian hybrids [Lilium]. 036697
Both concentration and quantity of retardant affect height of *lilies* **[Culture].** 038297
Easter *lily* root rot control [Fungicides]. 038616
A single immunodiffusion drop test for the detection of *lily* **symptomless** virus. 038878
Encounters with **wild** *lilies* [Lilium] in 1967 [Yugoslavia]. 036144

LILIUM
Differences in the rate of mitotic transformation of chromosomes in the endosperm of some monocotyledonous plants [Irispumila, *Lilium* **davidii,** onions]. 036364
Lily breeding—Asian **hybrids** *[Lilium].* 036697
Effects of plant growth regulators on *Lilium* **longiflorum** Thunb. cv. Georgia. 037732
Encounters with wild lilies *[Lilium]* in 1967 **[Yugoslavia].** 036144

LIMA
Gamma-irradiation of *lima* **bean** protease inhibitor in dilute aqueous solutions. 037826
Investigation of the protein composition of anti-A of phytohemagglutinins, obtained from Phaseolus lunatus *[Lima* **beans].** 033342
Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, *lima* **beans].** 039341

LIMES
The dynamics of the content of atrazine in washing waters as related to the levels of the herbicide and of the mineral fertilizers with *lime* **applied** previously [Maize]. 039524
Effect of *lime* on **boron** transport to and uptake by cotton. 041038
Growth of root-callus tissues of Citrus aurantifolia *[Limes]* **(Christm.)** Swing. in longterm culture. 037753
Lime **introduction** and nitrogen fertilizer. 041008
Lime-induced **iron** chlorosis in groundnut: treatment and prevention [Deficiency diseases, peanuts]. 039050
Lime **mud** deposition and calcareous algae in the Bight of Abaco, Bahamas: a budget. 037077
Lime and **peat-mineral-ammonia** fertilizers on drained [pasture] lands. 041005
Molybdenum nutrition of maize (Zea mays L.) on an Avalon medium sandy loam as affected by molybdenum, *lime* and **phosphate** applications. 040863
Renewed interest concerning the need for *lime,* **phosphorus,** and some trace elements in cattle [nutrition]. 034328
Lime and **phosphorus** on low areas [Barley, oats, wheat]. 041106
Interaction of *lime* and **seed** pelleting on the nodulation and growth of white clover. II. Oversown trials. 037484
The effect of hydrogen-ion and tartaric acid concentrations on the yield and quality of the *lime* **tartrate** [Wine production]. 033477
Effect on *lime* **treating,** oil spraying and thermostabilization on the keeping quality of shell eggs [Chickens]. 033130
The influence of applied phosphorus, manure, or *lime* on **uptake** of lead from soil [by maize]. 041000

LIMESTONE
Studies on the availability to plants of soil nitrogen in Malaysian tropical oligotrophic peat. I. Effect of *liming* **andpH** [hydrogen-ion concentration]. 041109
Agrochemical characteristics and water-physical properties of Tatar **Chernozems** on *limestone.* 040810
[Citrus] *liming.* 040897
A midge [Dasyhelea lithotelmatica] (Diptera, Ceratopogonidae) new to Britain that is abundant in the *limestone* **pavement** of the Yorkshire Pennines. 040010
Effect of the **repeated** *liming* on soil biological activity. 040843

LIMNOBIUM
Effect of adenine and imidazole derivatives and indolylacetic acid on membrane potential of the cells of root hair in *Trianea* **bogotensis.** 036939

LIMNORIIDAE
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with *Limnoria* **Menzies** [a wood boring isopod] and records of other species [Tests with various kinds of woods]. 038625

LIMONIN
Limonin **content** of the juice of Calabrian blond oranges. 033366
Metabolism of limonoids: *Limonin* **D-ring** lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414

LIMONIUM
Weed control in German statice *[Limonium* **tataricum];** progress report. 039124

LIMONOIDS
Metabolism of *limonoids:* **Limonin** D-ring lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414

LINARIA
Linaroside—a new flavone glycoside from some species of *Linaria* **[kokanica,** Linaria sessilis]. 036889

LINDANE
The effect of *lindane* on the **biological** effectiveness of estradiol in chickens. 035453
Changes in the biological effectiveness of androgens after the exposure of **cockerels** to *lindane.* 035451

LINDENS
Nectar production of the *linden* **tree** [Tilia, honey plants]. 037146

LINEAR
The growth of Ayrshire cattle: an analysis of *linear* **body** measurements. 033740
Variation in *linear* **growth** and sporulation of single spore isolates of Helminthosporium maydis. 038738
A **portable** *linear* thermistor temperature indicator [Water analysis]. 041292
Linear **programing** in the planning of timber production in a forestry unit. 035616
Application of *linear* **programming** in the determination of an optimum organization of the cattle branch under varying conditions. 031245
Determination of an assemblage by *linear* **programming** [Wine manufacture]. 033443
Least cost combination of fertilizers—an application of *linear* **programming** technique. 041016
Linear **regeneration** sampling in Peninsular Malaysia. 035674

LINECROSSES
Diversity in the anionic peroxidase spectra of *linecross* **radish** hybrids. 036669

LINOLEIC
Investigations on fat quality of maize with special considerations of *linoleic* **acid** contents. 033305
Qualitative and quantitative studies of the metabolism of fatty acids, in particular that of *linoleic* **acid,** in calves. 033772
The influence of fat mobilizing substance and dietary linoleic acid on blood plasma fatty acid composition and *linoleic* **acid** metabolism in the laying hen. 033989
Catabolism of fatty acids by chicken liver homogenates incubated with margaric, stearic and *linoleic* **acids** [Animal nutrition]. 034423
The influence of fat mobilizing substance and **dietary** *linoleic* acid on blood plasma fatty acid composition and linoleic acid metabolism in the laying hen. 033989

LINOLENIC
Reltionship between the presence of *linolenic* **acid** and the ability to form respiration-deficient mutants in yeast [Candida pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. 036948

LINSEED
Rigid polyurethane foams from diethanolamides of carboxylated *[linseed* and **soybean]** oils and fatty acids. 033258
Grow **yellow-seeded** *linseed* [Culture]. 038554

LINT
Influence of *lint* **percentage,** boll size, and seed size on lint yield of Upland cotton with high fiber strength [Breeding, selection]. 036433
Effect of plant density and time of thinning on the yield of seed cotton and *lint* **percentage** of Egyptian cotton (Gossypium barbadense L.). 038185
Influence of lint percentage, boll size, and seed size on *lint* **yield** of Upland cotton with high fiber strength [Breeding, selection]. 036433

LINUM
Results of interfarm units for crop production in *Linum* **andFehrbellin** and their agrochemical centre in achieveing techno-scientific progress [Agronomy]. 038012
Effects of combinations of different day-length conditions during the growth of flax **plants** *(Linum* usitatissium L.) on their growth and development. II. Effects of transfer from short day to natural long day. 037539
Callus formation and organogenesis of mature cotyledons of *Linum* **usitatissimum** L. variety szokijskij [flax] in vitro culture. 037436

LINURON
Chemical control of weeds of fiber crops with *linuron* in **France.** 039157

LIPASES
Lipase **activity** in calf blood serum with different types of feeding. 034222
On the formation of a ternary complex between [porcine pancreatic] *lipase,* **colipase** and micelles of amphipathic compounds. 033820
Rapid selection of microorganisms forming **extracellular** *lipases* [Aspergillus, fungi]. 037122
Crystallographic data and circular dichroism spectrum of *lipase* from **Geotrichum** candidum Link [Fungi]. 036328
Detection and partial characterization of **lipoprotein** *lipase* in bovine aorta. 033791
Occurrence of **lipoprotein** *lipase* in the fat-body of Triatomamaculata [Vector of Chagas' disease]. 039452
The present validity of the **pancreatic** *lipase* method for husk oil protection [Olive oil cake, composition, adulteration]. 033455
Screening for fatty acids in oilseed breeding programmes using *lipase* and **paper** chromatography. 036564
Nutrient media for the *lipase* **synthesis** by Aspergillus awamori [Fungi]. 037226
Lipase and **unspecific** esterase activity in the fat body of Aedes aegypti L. 039607

LIPIDS
Contribution of *lipid* to **aroma** of ripening mango (Mangiferaindica L.). 033421
Studies and considerations on the influence of insecticides on the process of autoxidation. VII. Infrared spectroscopic changes of *lipids* due to **Autoxidatin** and their evaluation. 039540
A study of the effects of diet composition, within the pounds of normal diversity, on the characteristics of **backfat** *lipid* in pigs. 034399
Biliary *lipids* and cholesterol gallstone formation [Nutrition and metabolic diseases]. 032165
Influence of substrate n-alkane composition on *lipid* **biosynthesis** by the yeast Candida guilliermondii [Animal feed, industrial fats]. 033502
Lack of effect on **blood** *lipid* and calcium concentrations of young men on changing from white to wholemeal bread. 032184
Fractionation and partial analysis of the **'bound'** *lipid* fraction of muck soil organic matter. 040626
Ether lipid metabolism: incorporation of O-Hexadecyl ethanediol into rat **brain** *lipids.* 033795
Changes in **coconut** *lipids* during desiccation. 037781
Changes in *lipid* **components** of miso-dama koji [Soybean pastes, yeasts]. 033264
Non protein and *non-lipid* **components** of oilseeds: chemical composition, properties, characterization. 033295
The difference in *lipid* **composition** between Tuber magnatum Plco and tube melanosporum Vitt [Truffles]. 033446
Lipid **composition** and protein profiles of outer and inner membranes from pig heart mitochondria. Comparison with microsomes. 033805
Changes of *lipid* **composition** with growth phase of Cryptococcus neoformans [Yeasts]. 036728
Influence of various carbon souces and temperature on *lipid* **composition** of Rhizopus arrhizus [Fungi]. 037318
Lipid **composition** in photosystem I-containing fragments of pea chloroplast intergrana and grana thylakoids. 037704
The effects of allatectomy on the *lipid* **composition** of the fat body and haemolymph of adult Locusta [migratoria migratorioides]. 039686
Incorporation of *lipid* into the **epicuticle** of Rhodnius (Hemiptera). 039826
Ether *lipid* metabolism: incorporation of O-Hexadecyl ethanediol into rat brain lipids. 033795
Interrelationships between serum vitamins A and E and *lipid* **fractions** in women receiving oral contraceptives. 032290

Lipid **geochemistry** of recent sediments from the Great Marsh, Lewes, Delaware [Vegetation]. 036172
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of **high** *lipid* content using hydrogen peroxide under high temperature and pressure. 032820
Pigments and *lipids* in the **humic** acids of some Canadian lake sediments. 040632
Use of color reactions to **identify** *lipid* classes [of plant origin], tocopherols including, by thin-layer chromatography. 037235
Measurement of relative volume of *lipid* **incorporations** of the yeast Candida guilliermondii cultivated on hydrocarbons. 037222
Confectionery **ingredients.** 6. *Lipids.* 032774
Electron paramagnetic resonance studies of *actin-lipid* **interaction** in aqueous media [Fish processing]. 032850
Distribution of *lipid* in the **lamellate** endocuticle of Rhodnius prolixus (Hemiptera). 039825
Adjuvant effect of lipid A obtained from Salmonella typhimurium on antibody response in mouse spleen: the role of carriers conjugated to *lipid* A. 035137
Nutritive content of college **meals.** II. *Lipids.* 032357
Origin of di-isobutyl phthalate, a contaminant mimicking nonadecenoic acid in fatty acids of egg **membrane** *lipids.* 033124
Diabetes and *lipid* **metabolism** in nonhuman primates. 032166
Lipid **metabolism** in the extreme north aboriginals residing in the Krasnoyarsk territory [Nutrition]. 032493
Application of Liebermann-Burchard reaction to the unsaponifiable portion of **milk** *lipids* as a criterion for the quantitative determination of cholesterol in milk and milk products. 032992
Incorporation of [2-14C [carbon isotope] acetate into *lipids* of **mink** (Mustela vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
A fluorescent probe study of the *lipid* **mobility** of membranes containing sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
Adjuvant effect of *lipid* A **obtained** from Salmonella typhimurium on antibody response in mouse spleen: the role of carriers conjugated to lipid A. 035137
The occurrence of *lipid* in the **oxyntico-peptic**c cells of the proventriculus of the fasting domestic fowl [Chickens]. 033999
Hepatic drug metabolizing enzymes and *lipid* **peroxidation** in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Lipid and **phospholipid** extraction from fungal mycelia. 032840
Qantitative content of total **polar** *lipids* in soybean seeds. 033257
Effect of varying fat and protein levels upon some fundamental characteristics of the *lipid* and **protein** metabolism in the blood serum and upon the body composition of growing rats. 034307
In vitro synthesis of *lipids* in **relation** to some hematological indexes in rats. 1. High cellulose, low fat content in feed. 034528
Incorporation of (3H) [tritium]-arachidonic acid into cattle **retina** *lipids:* high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. 034101
Influence of proteins, mucilaginous compounds, and *lipids* on **rye** starch-paste formation. 033155
Dietary regulation of **serum** *lipids* in healthy, young adults. 032349
Lipids of **seven** cereal grains. 033256
Fatty acid composition of *lipids* in some **species** of marine algae [Codium fragile, Gracilaria vercosa, Undaria pinnatifida, Sargassum]. 036852
Fatty acid compostion of *lipids* of some **spices.** 032790
Lipid **staining** for the electron microscope: a new method [Tests with tissues of Rhodnius]. 039827
Distribution of *lipids* and **starch** in nutritive tissues of five cynipid galls. 039232
Effect of Ginseng [Panax ginseng] extract on *lipid* and **sugar** metabolism. I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
Synthetic *pigment-protein-lipoid* complexes—models of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. 036973
Differences in **total** *lipid* and fatty acid composition of doughnuts as influenced by lecithin leavening agent, and use of frying fat. 032196
Effect of **total** *lipids* and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. 033131
Lipid and **vitamin** metabolism during mycotoxicoses [Aflatoxicosis, poultry]. 035425
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and *lipids* in **vitro** and in vivo [in mice]. 035391
Culture of *lipid-forming* **yeasts** in mixtures of oxidate and hydrolysate of peat. 037000

LIPOGENESIS

Influence of dietary fat source on **hepatic** *lipogenesis* in the fasted-refed chick (Gallus domesticus). 033869
Features specific for the influence exerted by excess amounts of qualitatively differing fats on **liver** *lipogenesis.* 032485

LIPOLYSIS

Purification and characterization of *lipolytic* **acyl-hydrolases** from rice bran. 033249
Purification and characterization of *lipolytic* **acyl-hydrolases** from rice endosperm. 033250

LIPOPHILIC

Effect of tetraphenylboron upon the uptake of the *LIpophilic* **cation** dibenzylidmethylammonium by yeast [Saccharomyces cerevisiae] cells. 036814

LIPOPROTEINS

Detection and partial characterization of *lipoprotein* **lipase** in bovine aorta. 033791
Occurrence of *lipoprotein* **lipase** in the fat-body of Triatomamaculata [Vector of Chagas' disease]. 039452
Lipoprotein **metabolism** [Man, animals]. 032167
The effect of oral contraceptives on **plasma** *lipoproteins,* cholesterol and tocopherol levels in young women. 032317
Three new allotypes of mink **serum** *alpha-lipoproteins* Lpm 6, Lpm 7, Lpm 8 [Genes]. 034632

LIPOXYGENASES

Lipoxygenase of **chloroplasts** [Peas]. 037679
Partial purification and characterization of the *lipoxygenase* from **grains** of Hordeum distichum [Barley]. 037514

LIQUORS

Physicochemical properties of **black** *liquors* from sulfate cooking of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. 035816
Characterization and comparison of spent oxygen—alkali and soda **pulping** *liquors.* 035878
Let us **speak** of *liquors.* 032905

LIRIODENDRON

Synthesis of (plus/minus)-3-methoxy-N-acetylnornantenine *[Liriodendron* **tulipifera].** 037926

LISTERIA

Cortisone-resistant effector T cells in acute lymphocytic choriomeningitis and *Listeria* **monocytogenes** infection of mice. 034999

LITHOSPERMUM

Antimicrobial activity of *Lithospermum* **erythrorhizon** calluscultures. 037068

LITTERS

Fermentation, utilization and palatability of **broiler** *litter* ensiled at different moisture levels. 033572
Fermentation, utilization and palatability of **broiler** *litter* ensiled with high moisture corn grain [Sheep, cattle]. 034471
Performance and liver copper levels of beef heifers fed **broiler** *litter.* 034477
Leaf fall and the rate of *litter* **decay** in some forest habitats [in relation to leaf production and saphrophage activity]. 036923
Influence of illumination and *litter-drop* on the **development** of certain species of mosses [Musci, Picea, forests]. 036251
Biodegradation of *litter* in **Eucalyptus** pauciflora communities. I. Techniques for comparing the effects of fungi and insects. 036248
Nature of the biogenous accumulation of microelements in **forest** *litters.* 040833
Information on wing-reduced Diptera in the **ground** *litter.* VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165
Large *litters,* big pigs from Duroc cross [Swine, breeding]. 034773
A preliminary study of aquatic hyphomycetes on leaves in forest and stream **leaf** *litter.* 036230
The distributions of the combinations of the sexes in **mammalian** *litters* [Pigs, rabbits and mice]. 034623
Pre- and **postnatal** *litter* size of mice selected for high weight, gains at different levels of feeding. 034618
Study on *litter* **size** and litter weight at birth and weaning in middle White Yorkshire pigs [heritability]. 034652
Constructional design of the front walls of rearing stalls with large trough for **sows** with *litter.* 040317
Results of Louisiana's 1975 **swine** *litter* tests. 034735
Study on litter size and *litter* **weight** at birth and weaning in middle White Yorkshire pigs [heritability]. 034652

LITTORAL

Field experiment on the effect of municipal sewage on macrophytes and epifauna in the **lake** *littoral* [Tests with Potamogeton perfoliatus]. 041497
The *littoral* **vegetation** of Nordbytjernet, a small lake in south-east Norway. 036238

LIVER

Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between *liver* and **adipose** tissue [in rats]. 032200
Microbial spoilage of fresh refrigerated **beef** *liver.* 032074
Purification and characterization of **beef** *liver* dihydrofolate reductase. 033765
Proteolytic activity of **beef** *liver* determined by natural substrates labelled with 125I [Iodine isotope]. 034223
Influence of qualitatively differing fats on the cholesterol level ina the *liver* and **blood** serum in cases of choline-proteinic deficiency. 032490
Isolation and characterization of a photolabile corrinoid-polypeptide complex from **bovine** *liver.* 033837
Effect of sodium dodecyl sulfate on the dissociation of **bovine** *liver* catalase. 034026
The interaction of tetraiodofluorescein with glutamate dehydrogenase from **bovine** *liver.* 034211
Lead and mercury residues in kidney and *liver* of **Canadian** slaughter animals. 031977
Structural properties of pyruvate carboxylases from **chicken** *liver* and other sources. 034148
Catabolism of fatty acids by **chicken** *liver* homogenates incubated with margaric, stearic and linoleic acids [Animal nutrition]. 034423
The effect of age and sex on dihydrofolic acid reductase activity in **chicken** *liver.* 034768
17-beta-estradiol and transportation of alpha-amino-isobutyric acid in **chicken's** *liver* sections. 033884
Effect of folic acid on serum and *liver* **cholesterol** in rats fed casein at two levels. 032337
Performance and *liver* **copper** levels of beef heifers fed broiler litter. 034477
On the technique for investigation into the function of the **dog** *liver.* 033902
Effect of dietary dieldrin on the *liver* and **drug** metabolism in the female Swiss-Vancouver mouse. 039533
Purification and properties of bovine uterine glutamic dehydrogenase: a comparison with the *liver* **enzyme.** 033987
Biotin deficiency and **fatty** *liver* and kidney syndrome in chicks given purified diets containing different fat and protein levels. 034344
Experimental testing of chemical substances for their action on *liver* **fluke** [Fasciola]. 035154
Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus *[Liver* **fluke,** cattle, sheep]. 035179
Testing of sulfene and KP-5 for fascioliasis of ruminants [Cattle, sheep, *liver* **fluke].** 035254
The influence of pesticides on the oxygen uptake by miracidia of Fasciola hepatica (Trematoda) *[Liver* **fluke].** 039530
Horse *liver* aldehyde dehydrogenase: Purification and characterization of two isozymes. 034040
Co-ordinate synthesis of ribosomes and elongation factors in the *liver* of **immature** chicks following a metabolic shift-up. 034066
Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) *liver* and **intestine** during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
The effect of endotoxin upon retention and **intracellular** *liver* distribution in rats. 035431
Features specific for the influence exerted by excess amounts of qualitatively differing fats on *liver* **lipogenesis.** 032485
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, *liver,* **lung** and peritoneum of rats. 034109
Liver **microsomal** system and mycotoxin metabolism [Food toxicity]. 032113
Purification of *liver* **microsomal** cytochrome P-448 from 3-methylcholanthrene-treated rabbits. 034107
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the *liver* and in the **mucosa** of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, *liver* and **muscular** tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically modified **ox** *liver* mitochondrial glutamate dehydrogenase. 033760
Investigations into the primary and tertiary structures of **ox** *liver* glutamate dehydrogenase. 034204
Studies on the nutrient content of the *liver,* **pectoral** muscle, total body and eggs of hens as influenced by graded supplies of vitamin B6. 034316
Adenosine triphosphate: nicotinamide mononucleotide adenylyltransferase of **pig** *liver.* Purification and properties. 033784
Guinea **pig** *liver* L-asperaginase. Separation, purification, and intracellular localisation of two distinct enzymatic activities. 033798
Effect of calcium ions on pyruvate carboxylase from **pigeon** *liver.* 033794
Kinetic mechanism of formiminotransferase from **porcine** *liver.* 033804
Storage of iron as ferritin in the *liver* of the **protein-deficient** rat. 034207
The effects of nickel on the growth and on the *liver* **proteins** of ducks. 034228
Evidence for an essential histidine residue in **rabbit** *liver* aryl sulfatase A. 033761
Control of **rabbit** *liver* fructose-1, 6-diphosphatase activity by magnesium ions. 034024

Purification and properties of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 reductase from **rabbit** *liver* microsomes. 034032
Effect of osmotic pressure on spontaneous afferent discharge in the nerves of the perfused **rabbit** *liver*. 034126
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling **rat** *liver*. 032405
Kinetic studies on **rat** *liver* and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
The effects of pregnancy and lactation on the activities in **rat** *liver* of some enzymes associated with glucose metabolism. 033816
Special features of Pi [phosphate] transport in pig heart and **rat** *liver* mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823
The subcellular distribution of 239Pu [plutonium isotopes] in **rat** *liver* parenchymal cells after exposure in vivo and invitro. 033913
Influence of the dietary protein deficiency on the protein synthetic activity of microsome and soluble fraction from muscle and *liver* of **rats.** 035297
Polymorphism in fowl serum albumin. V. Protein in synthesis in cell-free systems from **regenerating** *liver* of the fowl (Gallus domesticus). 033872
Iron-loading: effect on the activity of *liver* **ribosomes** in protein synthesis in rats [Nutrition study]. 032413
Physical guide values for meat technology. II. 4. Cooked cured meat products. 5. *Liver* **sausage.** 6. Blood sausage. 033062
Electron spin resonance spectra of chicken hepatoma and *liver* **tissue.** 033702

LIVERWORTS

Dendroid *liverworts* of the order Metzgeriales in New Zealand. 036067

LIVESTOCK

Livestock at the **agricultural** fair: the goat. 033602
Livestock at the **agricultural** fair: sheep [Breeds]. 033603
Livestock **associations** for collective sanitary protection. 034877
Climate and ventilation in *livestock* **barns.** 040316
Antibiotics curb [bacterial] diseases in *livestock,* **boost** growth. 035285
Genetic resources of animal populations *[Livestock* **breeding,** research projects, Italy]. 034655
Livestock **breeding** in conditions of intensification of agriculture. 034777
Verminosis or verminous **bronchitis** *[Livestock].* 035005
Proposals for the organization of forage supply on *livestock* **cooperative** farms with several lines of production [East Germany]. 031380
Livestock at the **country** fair: cattle [Breeds]. 033604
Experimental comparison between rotation and three-way **crossing** *[Livestock].* 034574
The vets save our beef and milk, and the bacon [Veterinarians, *livestock* **diseases,** control]. 034953
Mycotoxin-induced alterations of immunity *[Livestock* **diseases].** 035147
Effects of external and internal arthropod parasites on **domestic** *livestock* production. 039445
First results in the development and use of aerosol disinfection methods in industrial *[livestock]* **facilities.** 034922
Effective utilisation of manure from *livestock* **farming** [Fertilizers]. 040912
Reproduction of organic matter in soil under conditions of industrialised crop and *livestock* **farming.** 040917
System of centralized control of the state of technological equipment on *livestock* **farms** and complexes. 031392
The technique of sprinkling with liquid waste from *livestock* **farms.** 041277
Value of herring-/fish meal *[Livestock* **feed].** 033559
Utilisation of pyrethrum wste products as a *livestock* **feed** [Cattle]. 033928
New links in the selenium cycle *[Livestock* **feed].** 034256
Role of aminoacids and specific efficiency-possessing substances in treating the protein-deficit balance *[Livestock,* **feeding].** 034516
Actual and potential use of the *livestock* **futures** market by Illinois producers. 031516
Fusariotoxicosis [Fusarium] from barley in British Colombia. I. Natural occurrence and diagnosis [Feeding of mouldy **grain** to *livestock].* 035396
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with municipal sewage lagoon effluent [Health **hazards** to *livestock].* 041353
Livestock **improvement:** the application and impact of techniques in reproduction. 034759
Livestock **improvement** associations of New Zealand. Their historical development, organization and services. 034760
Artificial insemination stations as centers for **improving** *livestock* performance [Poland]. 034654
Recorded distribution of the face fly [Musca autunmalis] **inArkansas** in 1975 *[Livestock].* 039447
Influence of veterinary medicine on the intensification of **industrial** *livestock* production by speeding up scientific and technological advances. 034923
On the problem of [labor] accidents in the *livestock* **industry.** 031386
The general financial overview and implications to the *livestock* **industry** [Prices, inflation]. 031715
Presence of inhibiting substances in the meat and organs of *livestock* **killed** in a sanitary slaughterhouse. 034944
Mammary lymphology and physiology of **lactation** [Includes *livestock].* 033840
Protection of the air basin of **large** *livestock* farms and poultry factories [Control of infectious diseases and of air pollution]. 035252
Biochemistry of *livestock.* 14. 033736
Significant recent advances in biological control of vector insects [Pests of *livestock* and **man].** 039439
The influence of semiautomatic milking plants on the sequence of operations *[Livestock* **management].** 031263
Organization of the comparison of economic performance according to uniform standards *[Livestock* **management,** East Germany]. 031336
Some agronomic aspects of factors underlying production in the New South Wales grazing industry *[Livestock* **management].** 031372
Analysis of feed economy at the Wildberg industrial swine fattening plant, in the Neuruppin district [Nutritive value, *livestock* **managment].** 034496
Livestock **market** and marketing of livestock. 031660
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and *livestock* **meat].** 033131
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 harvest [Feeding, *livestock,* **mycotoxicosis].** 034495
Current research on *livestock* **nutrition** and feeds in Japan. 2. 034269
Experience in the use of enzyme preparations in *livestock* **nutritions** [Chickens, turkeys, swine]. 034393
Intensification, concentration and specialization on the **Oberbohmsdorf** *livestock* production cooperative farm [Management, East Germany]. 031379
Ova of mammals. 7. **Ovulation** *[Livestock].* 034555
Insect mycoses and their importance in the [biological] control of biting flies *[Livestock* **pests].** 039515
Dimidin for **piroplasmoses** of *livestock.* 035235
Use of electron computers to **plan** *livestock* inventories, production, costs and proceeds in industrial swine production facilities. 031381
Cassava as a total substitute for cereals in *livestock* and **poultry** rations. 033517
Firm action demanded on *[livestock]* **predator** control. 033616
Investigative results of efficiency criteria in *livestock* **production** [Management]. 031331
Estimated crop and *livestock* **production** costs, Nebraska; 1975. 031500
The development of *livestock* **production** in the USSR since 1965. 031921
Filling and systematic overfilling of the 1975 milk production plan—a task having priority in the *livestock* **production** of Neubrandenburg County, with special consideration of the experience gained in the Prenzlau district. 033668
Proposal for formation of relations between plant and *livestock* **production** in the sphere of the liquid manure industry. 041002
1974-75 *Livestock* **Research** Report. 033665
The Chilean agrarian reform. III. Squandering of *livestock* **riches** [Policies]. 031784
A new look at *livestock* and **sheep** research. 033652
Status of swine breeding at *livestock* **shows,** 1975. 033644
National *[livestock]* **tick** [Ixodides] surveillance program, calendar year 1974. 039446
The partial purification of Clostridium perfringens beta **toxin** *[Livestock].* 035177
Concentrate feeds for *livestock* in **Trinidad** and Tobago: an economic view of developments since 1960. 033518
Protection of *livestock* from **tsetse** [Glossina morsitans] bites by means of repellents [Cattle] 039505
Polytechnical instruction on *livestock* **units** in the region of Schwerin: experience under veterinary aspects. 034915
Mechanization of fecal diagnosis for **verminosis** *[Livestock].* 035245
New lines of cells and the adaptation to them of the foot-and-mouth disease **virus** *[Livestock].* 035248

LIVEWEIGHTS

Use of a method for the comparison of weight gains of calves **stabled** at different *liveweights.* 033676

LOAMS

Sulphur received in rainfall and leached from a yellow **brown** *loam.* 041017
Influence of the thermal characteristics of a moist **clay** *loam* soil on the temperature regime at the surface. 040708
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light Gray Forest **fine** *loamy* soil. 040869
Micromorphology of Sod-Podzolic soils on a moraine and on **mantle** *loam.* 040829
Molybdenum nutrition of maize (Zea mays L.) on an Avalon medium **sandy** *loam* as affected by molybdenum, lime and phosphate applications. 040863
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic **sandy** *loam* soil. 041097
The change of agrochemical properties of soddy-podzolic **sandy-light** *loamy* soil as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Soil splash and runoff from untreated and chemically treated **silt** *loam* aggregates. 041172
The migration of nitrogen, phosphorus and potassium of nitroammophoska in *loamy* **soddy-podzolic** soil. 040878
Green manuring and output of sugarbeets on *loamy* **soil.** 040889
Influence of nematicides on growth of plots of white clover on a **yellow-brown** *loam.* 039040
Effect of drainage conditions on nitrogen supply and yield of **young** *loamy* soils in the Ysselmeer polders [Barley]. 041437

LOASACEAE

Taxonomy of Mentzelia mollis and allied **species** *(Loasaceae)* [New taxa, northwestern U.s.]. 036057

LOBES

Presence of an oviposition-inducing substance in the **anterior** *lobe* of pituitary of the chicken. 034094
The effect of *lobar* **obstruction** on regional perfusion in the intact dog. 033852
Stability in *lobar* **ventilation** distribution during change in thoracic configuration [Dogs]. 034022

LOBLOLLY

Biological potential for the *loblolly* **pine** [Pinus taeda] ecosystem east of the Mississippi River. 036252
Relationships between plant surface area and respiration in *loblolly* **pine** [Pinus taeda]. 037916
How to double the harvest of *loblolly* and **slash** pine timber [Pinus taeda, Pinus elliottii]. 035559

LOBSTERS

Radiation-induced increased melanosis in crustacean shellfish **[Shrimp,** *lobster].* 032902

LOCUSTA

The effects of allatectomy on the lipid composition of the fat body and haemolymph of **adult** *Locusta* [migratoria migratorioides]. 039686
The significance of palpation by the maxillary palps of *Locusta* **micratoria** (L.): an electrophysiological and behavioural study. 039848
Chromosome distribution in neuroblast metaphase cells of *Locusta* **migratoria** L. 039676
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, *Locusta* **migratoria].** 039795
How does the female locust *[Locusta* **migratoria** migratorioides] dig her oviposition hole? 039836
Frequency and direction specific receptors of *Locusta* **migratoria.** 039890

LOCUSTS

Chiasma frequency and **adaptability** in *locusts.* 039729
Distribution of D-galactosyl groups in guaran and *locust-bean* **[carob]** gum. 032768
Co-ordinating interneurones of the *locust* which **convey** two patterns of motor commands: their connexions with flight motoneurones. 039845
Co-ordinating interneurones of the *locust* which **convey** two patterns of motor commands: their connexions with ventilatory motoneurones. 039846
How does the **female** *locust* [Locusta migratoria migratorioides] dig her oviposition hole? 039836
Offshore migration and the collapse of outbreaks of the Australian **plague** *locust* (Chortoicetes terminifera Walk.) in Southeast Australia. 039209
Offshore migration and the collapse of outbreaks of the Australian **plague** *locust* (Chortoicetes terminifera Walk.) in south-east Australia. 039632
Locusts in **Queensland** cane areas. 039268

LOESS

Compacting *loess* soils in the USSR. 040585
Distribution of reservoir sediment—Iowa and Missouri **deep** *loess* hills. 041370
Loess in **Ohio** in relation to several possible source areas: I. Physical and chemical properties. 040764
Loess in **Ohio** in relation to several possible source areas: II. Elemental and mineralogical composition. 040765
Geologic nitrogen in **pleistocene** *loess* of Nebraska. 040670
Note on occurrence of barite in B horizons of paleosols in *loess,* **South** Canterbury, New Zealand. 040704
Distribution and some properties of *loess* in **southcentral** and southeastern Idaho. 040761
Physical and chemical characteristics of sediments originating from Missouri **valley** *loess.* 041180

LOGGERS

Cariboo *loggers* grapple with rot, twist and boulders. 035711
New tasks for the *loggers* of **Karelia.** 035584

LOGGING
Improving the technology of **alpine** *logging.* 035798
A study on the prevention of vibration and noise of forest machines *[logging* **equipment]:** considerations mainly with relation to improvement of forest operations. 035709
FMC 200bg helps tackle steep slopes of Kootenays *[Logging* **equipment].** 035853
New Norwegian **lightweight** saw *[Logging].* 035793
Logging and **log** transportation in the peat swamp forests of Sarawak, Malaysia. 035832
Simulation and the *logging* **manager.** 035856
On the dynamic activity of the **MAZ-509** *logging* truck on tract surface of ferroconcrete slabs [Forest roads]. 035813
Neutron *logging* in partially saturated media [Water content]. 041578
Logging **practices** under attack in Okanagan Valley. 035714
Calculating the stream rate of flow-formers [Hydraulics, *logging* **rafts].** 035794
Chipping [of *logging* **residue]** in the bush. 035712
Pointers in *logging* and **sawmilling** malabayabas [Dipterocarpus grandiflorus, Tristania decorticata] for railways ties. 035755
Effect of three species of *logging* **slash** [from Populus tremuloides, Pinus banksiana, and Picea mariana]. 035745
Alternative methods for *logging* **steep** slopes in the Nelson Forest District of British Colombia. 035781
On improving the methodology of determining parameters of vertical vibration of *logging* **trailer-trains.** 035811
Effectiveness of using R24-type rails *[Logging,* **transport].** 035796
Terrain classification for **tropical** *logging:* application to the case of Gabon. 035528
Determining total radial reactions to wheels of the *logging* **truck,** including hardness of suspension and tires. 035806
How to estimate the maximum load of the *logging* **wheel-type** tractor. 035792

LOGS
Determining basic parameters of *logs* **collectors** [before floating]. 035795
Forced oscillations and resonant oscillations of circular saw blades for *log* **conversion.** 3. Resonant speed of unsymmetric oscillations. 035768
The agricultural **machine** *log* book—a necessity for industrial production. 040437
Processing *logs* on the Volga. 035800
The importance of solving the problems with dividing cut of *logs* for the **sawn** wood industry in the German Democratic Republic. 035772
Improving operations of equipping **secondary** *log-storage* depots. 035797
On the problem of selecting a calculation system for a bundle of *logs* in **studying** the vertical vibrations of skidder tractors. 035815
Radiometric gamma-defectoscope for observing internal rots in *logs* in the **technological** flow-line. 035818
Differences between *logs* and **timbers.** 035751
Regional distribution of construction of *log* **transport** roads in the Carpathians. 035586
Logging and *log* **transportation** in the peat swamp forests of Sarawak, Malaysia. 035832
Analysis of weight distribution for a *log* on **undersling** device and on the ground in the process of semi-undersling skidding. 035828
Long time storage of beech [Fagus] *logs* under **water** sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733
Effects of crown release and fertilizer on small saw *log-sized* **yellow** birch [Betula alleghaniensis]. 041114

LOIN
Studies on estimating the daily meat gain in swine by means of the *loin-fat* **quotient,** with consideration of net increase. 033674

LOLIUM
Machinery and technologies applied in flax seed conditioning in order to **eliminate** *Lolium* remotum seeds. 040520
No till and seedbed production of small grains-ryegrass *[Lolium]* **mixture** for forage in east Texas [Cynodon dactylon]. 041147
Studies on the effects of overseeding of Italian-ryegrass *[Lolium* **multiflorum]** on the production of knotgrass sward [Paspalum distichum]. 037986
Barley, oats, and field beans with undersown Italian ryegrass *[Lolium* **multiflorum].** The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, *Lolium* **perenne,** Festuca gigantea]. 038121
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, *Lolium* **perenne]** in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019
Semisolid fermentation of ryegrass *[Lolium]* **straw.** 033157
The effect of interval between harvests and nitrogen application on the proportion and yield of crop fractions in four ryegrass *[Lolium]* **varieties** in the first harvest year. 038048

LONCHAEA
Palearctic species of the *Lonchaea* **corticis** group (Diptera, Lonchaeidae) [New taxa]. 040177

LONCHAEIDAE
Palearctic species of the Lonchaea corticis group (Diptera, *Lonchaeidae)* [New taxa]. 040177

LONGEVITY
Possibilities of increasing the yields, the quality and the *longevity* in **irrigated** alfalfa crop. 038146
The effect of gamma irradiations on the *longevity* of the **queens** and the workers of Temnothorax recedens (Nyl.) (Formicidae, Myrmicinae). 039816
New wheat cultivars and *longevity* of **rust** resistance, 1971-75 [Fungus diseases]. 038575
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of age at time of treatment on **sterility** and *longevity.* 039475
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. *Longevity* and **survival** density of the bacterium on artificially infested weeds, plant residues and soils. 038852
Change in numerical strength of the bee colony. IV. Interplay of laying activity of the queen and the emergence rate and *longevity* of **workers** (Apis mellifera L.). 040292

LONGIDORUS
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and *Longidorus].* I. **Effects** on yield of sugarbeet and subsequent barley crops. 038953
Fumigation with D-D or Telone on soils prone to Docking disorder. II. Effects on numbers of Trichodorus spp. and *Longidorus* spp. **(Nematoda).** 038954

LONGITUDE
Longitudinal **fascicular** growth in the porcine longissimus muscle. 034004
Changes of *longitudinal* **growth** and chemical components in pine (Pinus densiflora) leaves on sandy soils resulting from fertilization. 037920

LONGLEAF
Stem and primary product weights for *longleaf* **pine** [Pinus palustris] sawtimber trees. 035626

LOOPERS
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on survival of western **hemlock** *looper* [Lambdina fiscellaria lugubrosa]. 039383

LOTUS
A study of the relationship between honeybee (Apis mellifera L.) and birdsfoot **deervetch** *(Lotus* corniculatus L.). 040285
The variations in the content of cyanogenic glucosides in ontogenesis of bird'sfoot **trefoil** *(Lotus* corniculatus L.). 037510
Varietal and topographic variability of cyanogenic glucoside occurrence in bird'sfoot **trefoil** *(Lotus* corniculatus L.). 037511

LOUSE *see* LICE

LOWLANDS
Salt associations in soils of **Caspian** *lowland* as related tosoil genesis. 040740
Role of allelopathy as expressed by dominating trees in a *lowland* **forest** in controlling the productivity and pattern of herbaceous growth. 037888
Several methods of increasing the production of oil flax under conditions of the *lowland* **Jijia-Bahlui.** 038118
Integrated solution of water management problems on the **Lubanskaia** *Lowland.* 041259
Soil relict and late holocene tectonic movement in the **north-Crimean** *lowland.* 040605
Some knowledge obtained from irrigation and fertilization of sugarbeet in the East **Slovakian** *Lowland.* 041403
The effect of manure and mineral fertilizers on fractional composition of phosphates in deep soddy-podzolized soil in the **trans-Carpathian** *lowlands.* 041127

LOXOSCELES
Notes on the biology and geographical distribution of spiders of the **genus** *Loxosceles.* 039992
A revision of the spider **genus** *Loxosceles* Heinecken & Lowe, 1835 (Araneae: Scytodidae) in southern Africa with notes on the natural history and morphology. 040096
A histopathological study on necrotic arachnidism by *Loxosceles* **laeta** [Venom]. 039646
In vitro activity of the venom and other components of *Loxosceles* **laeta** on human and animal erythrocytes. 039647
Some data on the venomous apparatus of *Loxosceles* **laeta** andtoxicity of its venom on diverse animal species. 039648

LUBRICATION
Use of rape oils and lard in [leather] *lubrication* **blends** [Properties]. 032778

LUCERNES
Degenetative diseases of *lucerne* **[Corynebacterium** insidiosum, Verticillium albo-atrum]. 038868
Hints for **maximizing** *lucern* yield. 038126
Methods of irrigation and water regime of *lucerne* as affecting its **morphological** structure and root system. 041423
A disc electrophoretic study of the protein of susceptible, tolerant and **resistant** *lucerne* with reference to Verticillium [albo-atrum] wilt. 038668
A method of culturing Rhizobium meliloti on porous granulesto form a pre-inoculant for *lucerne* **seed.** 040665

LUCIFERIN
Biosynthesis of firefly [Luciola cruciata] *luciferin.* **Probable** formation of benzothiazole from p-benzoquinone and cysteine. 039675

LUCIOLA
Biosynthesis of firefly *[Luciola* **cruciata]** luciferin. Probable formation of benzothiazole from p-benzoquinone and cysteine. 039675

LUDWIGIA
Effects of chemical pretreatments on *Ludwigia* **alternifolia** L. ovules prior to immersion in Herr's clearing fluid. 037244

LUMBER
Drying *lumber* in the home freezer. 035780
Hedging strategies in the *lumber* **futures** market. 035747
Tentative determination of price for coniferous medium-sized wood for the production of *lumber* and **industrial** chips. 035873
Commodity hedging in *lumber* and **plywood** [future]. 035743
Loading railroad freight cars with various *lumber* **products.** 035810
Lumber **recovery** from large, highly defective, low grade coast Douglas-fir **[Pseudotsuga** menziesii]. 035893
Comparison of exclusion values for *lumber* **strength.** 035896
Performance of 14-gauge Sencote staples [In *lumber* and **wood-base** products]. 035867

LUMINESCENCE
Application of *luminescence* **methods** for determination of aromatics in water [Algae, oil, pesticides, pollution]. 041564
Application of circular polarization of *luminescence* to the **study** of peptides, polypeptides, and proteins. 032833
Luminescent-microscopic **study** of root tissue of common rue [Ruta graveolens]. 037280

LUNCH
Now, **hot** *lunch* for all kids at Reading schools. 032656
What's for *lunch?* A look at **school** lunches [Programs]. 032169
ARA's nutrition rainbow leads **school** *lunch* to gold. 032544
School *lunches* go buffet. 032619
Enid **school** *lunch* packs one-two punch. 032682
Principal champions **school** *lunch.* 032683
Fast food gets an "A" in **school** *lunch.* 032687
How **two** *lunch* programs save money. 032572
Type A *lunches* **win** high marks at Bethel Park Schools. 032575

LUNGS
Prostaglandin-sepharose: application to the purificaton of **bovine** *lung* 15(S)-hydroxyprostaglandin dehydrogenase. 034170
Activity of medullary respiratory neurones during reflexes from the *lungs* in **cats.** 034172
Diaphragmatic activity and *lung* **liquid** flow in the unanesthetized fetal sheep. 034009
The effect of fenbendazole (Panacur) in sheep naturally infected by gastrointestinal and *lung* **nematodes** [Anthelmintics]. 035229
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, *lung* and **peritoneum** of rats. 034109
Unique virus-related DNA sequences in sheep progressive **pneumonia** *lung.* 035111

LUPINE
The effect of GA3 [gibberellic acid] on the germination of **ageing** *lupin* seeds. 037562
The purification and properties of glutamine-dependent asparagine synthetase isolated from Lupinus **albus** *[Lupine].* 037548
Isoflavones of the roots of Lupinus **luteus** *[Lupine].* 037385
Development of **new** *lupine* forms with the help of chemical mutagens. 036642
Correlation between nitrogen-fixing activity of *lupine* **nodules** and the content of nitrogen compounds in them. 037423
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species [Nodule bacteria from *lupine,* **peanuts** and cowpeas]. 036947
Changes of protein fractions in the ontogenesis of four *lupin* **species** studied by immunological methods. I. Differences in the seed protein fractions of the studied lupin species and varieties. 037437
Changes of protein fractions in the ontogenesis of four *lupin* **species** studied by immunological methods. II. Changes of protein fractions during germination and development of etiolated plants and grown in light. 037438

Changes of protein fractions in the ontogenesis of four *lupin* **species** studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and development of seedling. 037439
For weed-free **stands** of *lupine*. 038193
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the seed protein fractions of the **studied** *lupin* species and varieties. 037437
Quantitative and qualitative changes in proteins and amino acids in **white** *lupine* plants during growth and development. 037463
Selectivity in xylem to phloem transfer of amino acids in fruiting shoots of **white** *lupin* (Lupinus albus L.). 037530
On the optimum planting date of **white** *lupine* (Lupinus albusL.) grown for green matter in the Middle Rhodope Upland. 038136
Certain carbohydrate-metabolism enzymes in the nodules of **yellow** *lupine*. 037354
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a new alkaloid in Lupinus [luteus, **yellow** *lupine]* seedlings]. 037517
Negative secondary effect from green manuring with **yellow** *lupine* [Fertilizing Picea abies and Picea omorika]. 040904

LUPINUS

The purification and properties of glutamine-dependent asparagine synthetase isolated from *Lupinus* **albus** [Lupine]. 037548
Selectivity in xylem to phloem transfer of amino acids in fruiting shoots of white **lupin** *(Lupinus* albus L.). 037530
On the optimum planting date of white **lupine** *(Lupinus* albusL.) grown for green matter in the Middle Rhodope Upland. 038136
Isoflavones of the roots of *Lupinus* **luteus** [Lupine]. 037385
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a new alkaloid in *Lupinus* **[luteus,** yellow lupine] seedlings]. 037517
Gray leaf **spot-resistant** *Lupinus* angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596

LUTEINIZATION

Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH *[luteinizing* **hormone** releasing hormone/follicle stimulating hormone releasing hormone]. 033886
Electrical stimulation of the hypothalamus and *luteinizing* **hormone** secretion in Japanese quail. 034054
Effects of specific neutralization of *luteinizing* **hormone** and prolactin on ovarian blood flow and progesterone secretion [in ewes]. 034640
The effects of active immunisation against androstenedione on *luteinizing* **hormone** levels in the ewe. 034641
Ovulation rate in ewes treated with pregnant mares' serum gonadotrophin and *luteinizing* **hormone** releasing factor. 034657
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of *luteinizing* **hormone** during sexual maturation in the hen (Gallus domesticus). 034669
Induction of ovulation in hens by an analogue of LH-RH *[luteinizing* **hormone,** releasing hormone]. 034685
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH *[luteinizing* **hormone,** follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH *[luteinizing* **hormone,** follicle-stimulating hormone]. 034691
Seasonal variations in the response of the testis and LH *[luteinizing* **hormone]** levels to hemicastration of adult rams. 034693
The LH response of pregnant cows and their calves to synthetic LH-RH *[luteinizing* **hormone,** releasing hormone]. 034698
In vitro release of gonadotropins from the pituitary of cocks by an analogue of *luteinizing* **hormone-releasing** hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
A comparative study of preparations of **ovine** *luteinizing* hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and polyacrylamide gel electrophoresis. 033704
Plasma *luteinizing* hormone and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. 034671
Effects of progesterone and **synthetic** *luteinizing* hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). 034669

LUTEOTROPIN

Electron microscopy study of the structure of cells of the mammary gland during various periods of lactation and under the **effect** of *luteotropin*. 034183

LUTZOMYIA

Polytene chromosomes of the **sandfly** *Lutzomyia* longipalpis and the cytogenetics of Psychodidae in relation to other Diptera. 039838
Lutzomyia **vespertilionis** (Diptera: Psychodidae): potential vector of chiropteran trypanosomes in Panama. 039480

LUZULA

Australasian *Luzula* [New taxa]. 036065

LYASES

Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of cellulase, *pectin-lyase*, and **acid** proteinase [Fungi]. 037253
Multiple forms of **endo-pectate** *lyase* formed in culture and in infected squash hypocotyls by Hypomyces solani f. sp. cucurbitae. 038770
Post-transcription control of **isocitrate** *lyase* induction in the eukaryotic alga Chlorella fusca. 037132

LYCAENIDAE

Descriptions of two new species of butterflies [Strymonidiajebelia, Pseudophilotes sinaicus] (Lepidoptera, *Lycaenidae)* from the **south** Sinai. 040090
The life history of a hitherto **unrecognised** *Lycaenid* species: Theclinesthes albocincta (Waterhouse) from South Australia [New taxa]. 039987

LYCOPENE

Studies on beta-carotene and *lycopene* **content** in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids [Tomatoes, breeding]. 036628

LYCOPERSICON

Studies on beta-carotene and lycopene content in the fruits of Lycopersicon esculentum Mill. X *Lycopersicon* **chilense** Dun. hybrids [Tomatoes, breeding]. 036628
Metabolism of quinic acid depsides in *Lycopersicon* **esculentum** Mill. [Tomatoes]. 037825
Correlation studies on *Lycopersicon* **esculentum,** Mill [Tomatoes, cultivation]. 038229
Soluble proteins and hydrolases during crown-gall [Agrobacterium tumefaciens] induction in the tomato, *Lycopersicon* **esculentum.** 038858
Inheritance of earliness components in a tomato diallel cross including Lycopersicon pimpinellifolium mill. and *Lycopersicon* **hirsutum** f. glabratum Humb. et Bonpl. 036478
Interspecies hybridization of tomatoes (Lycopersicon esculentum Mill and *Lycopersicon* **peruvianum** Mill). 036648
Inheritance of earliness components in a tomato diallel cross including *Lycopersicon* **pimpinellifolium** mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. 036478
A study on the number of ovules per fruit set in **tomato** *(Lycopersicon* esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. 036472
General and specific combining abilities for percent of fruit set in a **tomato** *(Lycopersicon* esculentum Mill.) diallel cross. 036473
General and specific combining ability for mean fruit weight in a **tomato** *(Lycopersicon* esculentum Mill.) diallel cross. 036474
Varietal variations in the physical characteristics and chemical constituents of the fruits of **tomato** *(Lycopersicon* esculentum Mill). 037747
A study on the resistance to *Lycopersicon* **[tomato]** virus 3 Smith in progenies of Nicotiana tabacum L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. 038897
Interspecies hybridization of **tomatoes** *(Lycopersicon* esculentum Mill and Lycopersicon peruvianum Mill). 036648

LYCOPODIACEAE

The life forms of *Lycopodiaceae* and some **general** aspects ofevolution and system plant life-forms. 037331

LYCOPODIUM

Lycopodium **alkaloids.** 036742
Some ultrastructural aspects of spermatogenesis in *Lycopodium* **complanatum.** 036351

LYGAEIDAE

A new species of the genus microplax [fasciata] (Heteroptera, *Lygaeidae)* from the **Caucasus.** 040047
Scolopostethus pictus (Schilling) (Hemiptera, *Lygaeidae)* in **Scotland.** 040029

LYGUS

Insecticide treatment tests against the tarnished plant bug *[Lygus* **lineolaris]** of apple orchards in south-west Quebec. 039353

LYMANTRIA

The mortality factors of experimental populations of *Lymantria* **dispar** in a larch [Larix leptolepis] plantation and natural forest. 039389
Further investigations on biophysical factors and their effects on *Lymantria* **monacha** L. (Lepidoptera, Lymantriidae) [Forest pests]. 039380

LYMANTRIIDAE

Further investigations on biophysical factors and their effects on Lymantria monacha L. (Lepidoptera, *Lymantriidae)* **[Forest** pests]. 039380

LYMEXYLONIDAE

Remarks on the biology and control of Hylecoetus dermestoides L. (Coleoptera, *Lymexylonidae)* against the **background** of observations made during 1953-1973 in the Rogow Experiment Forest of the Agricultural University in Warsaw. 039393

LYMPH

Electrochemical properties of blood and *lymph* **proteins** of cows sick with lymphomatosis. 035241
Studies of FeSV [Feline sarcoma virus] induced sarcomata in sheep with particular reference to the **regional** *lymphatic* system. 035006

LYMPHOCYTES

Cortisone-resistant effector T cells in **acute** *lymphocytic* choriomeningitis and Listeria monocytogenes infection of mice. 034999
Dissociation of the DNA replicase system of **bovine** *lymphocyte* nuclei. 033793
Immunoglobulins on the surface of *lymphocytes* in **ontogeny** [Baby pigs]. 035063
A study of the mode of *lymphocyte* **recirculation** in the dog. 033744
Action of immunogenic RNA on *lymphocyte* **replication** [Mice]. 035055
Failure of attenuated canine distemper virus (Rockborn strain) to **suppress** *lymphocyte* blastogenesis in dogs. 035050

LYMPHOID

Immunological studies in protein malnutrition: IV. *Lymphoid* **cell** proliferation in malnourished mice after SRBC [sheep red blood cells] administration. 035078
Comparison of in vitro and in vivo cell cycle parameters of *lymphoid* **cells** in pig spleens. 033857
Origin of antibody-dependent, *lymphoid-cell-independent* **hemolytic** plaques in rabbit spleen cell cultures. 035190
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively **via** *lymphoid* cells and/or serum [Pekin ducklings]. 035217

LYMPHOMATOSIS

Vaccination against Marek's disease in chicken **[Avian** *lymphomatosis].* 034978
Comparison of an avian osteopetrosis virus with an **avian** *lymphomatosis* virus by RNA-DNA hybridization. 035129
Electrochemical properties of blood and lymph proteins of cows **sick** with *lymphomatosis.* 035241

LYONETIIDAE

Effects of pilose, pubescent, and smooth cottons on the cotton leafperforator *[Bucculatrix* **thurberiella].** 039274

LYOPHILIZATION

Testing the protective effect of **cell-free** *lyophilized* vaccine against Marek's disease in field trials [Chickens]. 035228

LYSANDRA

Notes on breeding aberrations of the Chalk Hill Blue: *Lysandra* **coridon** (Poda). 039721

LYSERGIC

Extraction and identification of clavine and *lysergic* **acid** alkaloids from morning glories [Ipomoea]. 037144

LYSIMETRY

Nitrogen in crops and leaching water using nitrate and ammonium nitrogen as fertilizers. *Lysimeter* **experiments** 1962-1972. 041107
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in **field** *lysimeters* on sod-podzolic sandy loam soil. 041097
Consolidation tests in **refilled** *lysimeters* [Underground water]. 041442
Influence of vegetation covering on natural groundwater recharge as exemplified by the *lysimeter* **system** of Saint Arnold near Rheine (Westphalia). 041450
Seasonal dynamics of *lysimetric* **water** composition in the profile of a sandy podzolic soil of a larch forest (Karelian isthmus). 040741

LYSINE

The role of *lysine* in the **action** of bovine pancreatic ribonuclease A. 033782
Simple, rapid quantitative determination of *lysine* and **arginine** [in wheat flour and rat tissues] by thin-layer chromatography. 032343
Determining **available** *lysine* content in corn varieties of Upper Austria. 037597
Mutants of Saccharomycopsis lipolytica defective in *lysine* **catabolism** [Yeasts]. 036562
Evaluation of *lysine* **content** in [barley and wheat] breeding material by the colorimetric method. 037572
Effects on the growth of the rabbit of *L-lysine* and **DL-methionine** supplementation of simplified plant diets. 034290
Early effects of **feeding** *lysine* and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
Isolation of *Ne-(2-furoylmethyl)-L-lysine* **(furosine)** from an acid hydrolyzate of casein heated with glucose. 032927

Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of **graded** *lysine* supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. **Graded** *lysine* supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Protein quality of two varieties of **high** *lysine* maize fed alone and with black beans or milk in normal and depleted weanling rats. 032306
Problems of breeding barley with a **high** *lysine* content in the light of genetic, biochemical and nutritional studies. 036616
A faster completion of the **high** *lysine* barley program by growing a winter generation in South America [Breeding]. 036699
Nitrogen and dry-matter accumulation in **high** *lysine* and normal varieties of barley. 037470
Substitution of *lysine-supplemented* **high-protein** wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of *lysine-supplemented* **high-protein** wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Determination of *lysine* and **methionine** requirements. II. Establishment of amino acid supplies in fattening pigs by the determination of certain parameters of the blood plasma. 034249
Lysine **requirement** of nulliparous gilts. 034294
Lysine **requirement** for reproduction in swine. 034413
Small-angle X-ray scattering study of the interaction between *lysine* **transfer** RNA ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057

LYSIS

Ecological studies on *algal-lysing* **bacteria** in fresh waters. 036211

LYSOZYMES

The structure of triclinic [of the hen egg-white] *lysozyme* at 2.5 A **[angstrom]** resolution. 034067
Effects of net charge on the hydrogen-deuterium exchange parameters of [egg **white**] *lysozyme*. 033120

LYTHRUM

Effect of a light-break on the growth and development of Epilobium hirsutum and *Lythrum* **salicaria** in short photoperiods. 036761

MACACA *see* **MONKEYS**

MACARONI

Who puts the **hole** in *macaroni?* 032676

MACERATION

Properties of polysaccharides liberated from cell wall-materials during the *macerating* **action** by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851

MACHINERY

Electric fences at the International Show of **Agricultural** *Machinery*, March 1975. 040340
Outline of the policy for the development of **agricultural** *machinery* in Viet-Nam. 040402
Progress on the establishment of the ACAM [Asian Centre for **Agricultural** *Machinery*]. 040403
Current thoughts after the 46th International Show of **Agricultural** *Machinery*. 040406
Noise reduced in the **agricultural** *machinery* district services of Zerbst. 040429
The role of **agricultural** *machinery* district services in the reproduction process of plant production and conclusions to be drawn for maintenance planning. 040441
Work with the personal creativity of engineers at the state farm Weimar, **agricultural** *machinery*. 040448
Modern **agricultural** *machinery* in the service of food industry. 040469
Import of **agricultural** *machinery*, 1974. 040500
Mechanized harvesting of plums for processing; results of trials with a prototype [of *machinery*] **constructed** by the Institute of Fruit Culture of the University of Bologna. 038384
Demands expected of the repair and testing service for **electrical** *machinery*. 040418
Infrafactory cost accounting system for repair enterprises of "Sel'khoztekhnika" **[Farm** *machinery]*. 031277
Summary report on agricultural mechanization and development in indigenous **farm** *machinery* production in Thailand. 040404
Current standards and trends of deveopment of the specialized **farm** *machinery* repair service in the USSR. 040415
Research and development of **farm** *machinery*. 040474
International New Holland conference: more achievements **[Farm** *machinery]*. 040501
Farm *machinery* and problems of unemployment in developing countries. 040540
The present status of testing measuring instruments in *machinery* **maintenance.** 040439
Evaluation of operating expenses for the preventive maintenance of plant **production** *machinery*. 031406
Proposals aimed at determining more exactly the cost of plant **production** *machinery*. 031407
Machinery and **technologies** applied in flax seed conditioning in order to eliminate Lolium remotum seeds. 040520

MACROMOLECULES

Active sites of **biological** *macromolecules* and their interaction with heavy metals. 035406
Interactions of mycotoxins [produced by toxicogenic fungi] with substrate molecules and *macromolecules* **[Food** research]. 032112
Inhibitors of *macromolecular* **synthesis** in yeast. 037104

MACROMYCETES

The **obligate** *macromycetes* of sand dunes in Norway, with special regard to the occurrences on Lista, Vest-Agder county [Fungi]. 035969

MACRONUTRIENTS

The effect of *macronutrients* and their **dates** of application on the cut flower and seed yield with summer asters [Callistephus chinensis]. 040941

MACROPHAGES

Antibody synthesis by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, *macrophages* and **antigen.** 035057
Skin reaction and *macrophage* **migration** inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
Viral factors required for interferon induction by Newcastle disease virus in **mouse** *macrophages* and chicken embryo cells. 035112
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and **peritoneal** *macrophages* from normal guinea pigs. 034980

MACROPHOMINA

Influence of N, P, K [nitrogen, phosphorus, potassium] on stem rot *[Macrophomina* **phaseoli]** incidence of capsularis jute. 038657
The role of peroxidase and polyphenoloxidase systems in relation to charcoal rot disease of soybean incited by *Macrophomina* **phaseolina.** 038666
Melanin like compound in the sclerotia of *Macrophomina* **phaseolina** [Soybeans]. 038698
The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in soybeans *[Macrophomina* **phaseolina,** charcoal rot]. 038774

MACROPHYTES

Field experiment on the effect of municipal sewage on *macrophytes* and **epifauna** in the lake littoral [Tests with Potamogeton perfoliatus]. 041497
The effect of **seaweed** *macrophytes* [Algae] on diurnal balance of vitamin B12 in Bay of Barentz Sea. 036845

MACROSCOPY

Macroscopic **observations** on pituitary gland of Indian buffalo (Bos bubalis). 033980
Brugia pahangi: susceptibility and *macroscopic* **pathology** of golden hamsters. 035058
A *macroscopic* **study** of the brain of Bison bison bison, the American plains buffalo. 033731

MACROSIPHUM

Glandular hairs are a possible means of limiting aphid *[Macrosiphum* **euphorbiae,** Myzus persicae] damage to the potato crop. 039312
Prevention of potato top-roll by aphicide and its effect on leaf area and photosynthesis *[Macrosiphum* **euphorbiae].** 039314

MAGGOTS

Studies on the prognosis of terms of the individual developmental stages in red **plum** *maggot* (Grapholitha funebrana Tr.) based on effective temperature summations. 039360

MAGICICADA

Ovipositional host plants of 17-year **cicadas** *[Magicicada].* 039242
Laboratory and field evaluation of insecticides for control of periodical cicada *[Magicicada* **septendecim,** in orchards]. 039362

MAGNESIUM

Arterial-venous *magnesium* gradients in hypovolemic shock: an indicaton of the irreversible state [Dogs]. 034149
Femur zinc, *magnesium*, and **calcium** in rats fed Tower rapeseed (Brassica napus) protein concentrate. 032410
Metabolism of amino acids in bean plants under the deficit of *magnesium* and **calcium** in the nutritive medium. 037852
Monthly determinations of the concentrations of sodium, potassium, *magnesium* and **calcium** in the rain and in pools on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
Role of *magnesium* **chloride** in crosslinking cellulosics [Fabrics]. 032713
Effects of *magnesium* and **chloride** ions on light-induced electron transport in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
Effect of *magnesium* **concentration** in the culture liquid on the yeast [Candida guilliermondii] consumption of trace elements. 037214
Field studies on the *magnesium*, **copper** and zinc nutrition of maize [Soil testing]. 040664
Changes in the oxidative phosphorylation of pea plants affected by *magnesium* **deficiency** of different intensity. 037686
The effect of ionic strength on the *magnesium* **ion-activated** adenosine triphosphatase of natural actomyosin from mammalian skeletal muscle [Swine]. 034210
Control of rabbit liver fructose-1, 6-diphosphatase activity by *magnesium* **ions.** 034024
Leucine aminopeptidase (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ [zinc, *magnesium* **ions]** to and on activation of the enzyme. 034041
Observations on the Ca2+ +Mg2+) [calcium and *magnesium* **ions]-ATPase** activator found in various mammalian [Calf, cow, pig] erythrocytes. 033806
Effect of dietary potassium level on utilization of magnesium by sheep fed different *magnesium* **levels.** 034468
Magnesium in **New** Zealand soils. II. Distribution of exchangeable and "reserve" magnesium in the main soil groups. 040699
Magnesium in **New** Zealand soils. III. Availability of non-exchangeable magnesium to white clover during exhaustive cropping in a pot trial. 040700
Physiological differences among populations of Anthoxanthumodoratum L. collected from the Park Grass Experiment, Rothamsted. IV. Response to **potassium** and *magnesium*. 037471
Magnesium in New Zealand soils. II. Distribution of exchangeable and **"reserve"** *magnesium* in the main soil groups. 040699
Effect of dietary potassium level on utilization of *magnesium* by **sheep** fed different magnesium levels. 034468
A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, *magnesium*, **sodium,** potassium] by pigs growing at a high ambient temperature. 033738
Magnesium **supplementation** of beef cows on pasture with mixtures containing different levels of cottonseed meal. 034472

MAGNETIC

Study of the self-diffusion of water in biological objects by the method of nuclear spin echo using pulse gradient of the *magnetic* **field** [Plants, mice]. 033879
Removal of algae from Florida lakes by *magnetic* **filtration** [Pollution]. 041487
Use of broad-line NMR **[nuclear** *magnetic* resonance] to determine the amount of solid phase in cottonseed oil hydrogenates. 033213
Nuclear *magnetic* resonance analysis of hydrogen and carbon isotopes of azulene extract derivatives of Eriocephalae punctulactus. 036860
Revision of the structure of the bisindole alkaloid 14',15'dihydropycnanthine. A carbon-13 **nuclear** *magnetic* resonance study [Gonioma malagasy]. 037065
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption polarization spectroscopy and **nuclear** *magnetic* resonance. 037656
Proton *magnetic* resonance study of troponin-C [Rabbits]. 033898

MAGNETISM

Electron *paramagnetic* resonance studies of actin-lipid interaction in aqueous media [Fish processing]. 032850
A *paramagnetic* **intermediate** in the reduction of oxygen by reduced [fungal] laccase. 036929

MAIZE

Turbidimetry and colorimetry in the sulfur content determination of plants compared with the gravimetry method [Hay, *maize*, **Abies].** 037324
Corn fertilization programme in Arab Republic of Egypt. I. Utilization of nitrogen by *maize* as **affected** by time and method of application. 040859
Criteria for evaluation of resistance to *maize* **anthracnose** [Colletotrichum graminicola]. 038765
Cytogenetic characterization of some herbicides **applied** to *maize*. 039170
Evaluation of analytical methods for estimating available zinc and response of *maize* to **applied** zinc in major soil series of Ludhiana, Punjab (India). 040866
"Nagykalloi **aranymazsola"** *maize* [Varieties]. 037947
Aneuploidy in *corn* **autotetraploids.** 036460
Effect of some aromatic amines of mitotic activity of meristematic cells of *maize* and **bean** roots. 037373
Digestibility of finishing rations containing milled rice or *corn* **[Beef** cattle]. 034441
Drainage economics *[Maize,* **beets,** grass]. 041465
Toward sturdier stalks **[Breeding** *maize* for lodging resistance]. 036377
Index selection for several agronomic traits in the **BSSS2** *maize* population. 036432
Animal improvement with *maize* **[Cattle,** swine]. 034451
Yield losses in *maize* **caused** by different levels of infestation of second-brood European corn borers [Ostrinia nubilalis]. 039288
The biosynthesis of plastid membrane system proteins during the biogenesis of **chloroplasts** *[Maize]*. 037396
Manganese stimulation of oxygen consumption in [spinach, *maize]* **chloroplasts** with dibromothymoquinone. 037406

Digestibility for swine of fresh, ensiled and dried **chopped** *maize* cobs. 034525
Influence of pollinating conditions on the manifestation of the gametophyte locus of the fourth **chromosome** in *maize*. 036679
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays *[maize]* **coleoptiles** in relation to tropic stimuli and curvatures. 037348
Characterization of the phytochrome-containing particles obtained by glutaraldehyde prefixation of *maize* **coleoptiles.** 037477
Some physical characteristics of the enzymes of L-tryptophan biosynthesis in higher plants [Peas and *maize* **compared** to fungi and algae]. 037204
Potentiometric investigation of kinetics of the Hill reaction as a function of ferricyanide **concentration** *[Maize].* 037586
An explosion of leaf growth after stress **conditions** *[Maize].* 037489
Soil nitrates following four years **continuous** *corn* and as surveyed in irrigated farm fields of central and eastern Colorado. 040677
Detection of triazine herbicides and their degradation products in tile-drain water from fields under intensive **corn** *(maize)* production. 039558
Effect of method of nitrogen application on **corn** *(Zea* mays L.) grown on irrigated sandy soils. 041039
Remarks on the economic efficiency of irrigation water *[Maize,* **cost,** returns]. 041343
New herbicide for **cotton,** *corn.* 039093
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, **cotton,** *maize].* 040657
Catch **crops** for *maize.* 038055
Average gene frequency estimates in two open-pollinated **cultivars** of *corn.* 036421
Nutritive value [for ruminants] of green **cut** *maize* ensiled by a trench method. 034285
Reaction of diallel crosses of *maize* in T and N **cytoplasms** to Bipolaris maydis race T [Breeding for disease resistance]. 038599
The occurrence of stalk rot [Fusarium] of *maize* in **dependence** on row distance and susceptibility of hybrid cultivars. 038834
A new mutant, "cob turned out" (cto), changing the cob **development** in *maize.* 036509
[Maize] **dialdehyde** starches and their hygienic evaluation [in the diet]. 032503
Selective effect of a *maize* **diet** in reducing serum and brain tryptophan contents and blood and brain serotonin levels. 032384
Salt supplementation of *corn-soy* **diets** for swine. 034415
High frequency of haploidy in the progeny of **diploidized** *maize* haploid. 036518
Registration of **elite** *maize* germplasm lines. 036452
In vitro cultures of *maize* **endosperm**—a model system for studying in vivo starch biosynthesis. 037389
The **European** *corn* borer [Ostrinia nubilalis]. 039257
Yield losses in maize caused by different levels of infestation of second-brood **European** *corn* borers [Ostrinia nubilalis]. 039288
A kinetic study of phosphorus absorption by **excised** *maize* roots from flowing solutions with different phosphorus concentrations. 037366
Tassel trivia: little-known **facts** about *corn.* 038023
Corn **fertilization** programme in Arab Republic of Egypt. I. Utilization of nitrogen by maize as affected by time and method of application. 040859
Nitrogen **fertilization** of *maize.* 041100
Nitrate movement and its distribution in the soil profile of differentially **fertilized** *corn* watersheds [in Iowa]. 041043
New complementary gene CFL2 changing the manifestation of allele **fl2** in *maize.* 036522
Production of high-protein quality pasta products using a *semolina-corn-soy* **flour** mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Influence of soil moisture regimes and soil fertility levels on water use by summer **fodder** *maize.* 040696
A two-year comparison of **fortified** *corn* silage and alfalfa hay (mixed) for wintering ewes. 034465
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low temperature fluorescence spectra of chloroplasts and **fragments** *[Maize].* 037405
Prospects for **French** *corn* production: an assessment [Statistics]. 031595
Examination of the toxic effect of Fusarium **fungi** of *maize.* 038561
Mounting, dismounting and storing the equipment for **gathering** *maize* spadixes with the self-propelled combine C-12. 040521
Further studies on the balance between Adh1 and Adh2 in *maize:* **gene** competitive programs. 036506
Phenotypic description of double homozygotes for certain sex **genes** in *maize.* 036523
A design III study of linkage disequilibrium for percent oil in *maize* [**Genetic** variance]. 036419
Preparing and using *maize* **grain** silage with high humidity rate as fodder for fattening cattle. 033573
Corn and **grain** sorghum performance tests, 1976 [Varieties, yields]. 038141
Effect of mineral fertilizer application dosage, dates and methods on the yield and quality of *maize* **grain.** 041121
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on biomass production of *corn* **grains** (Zea mays L.) [Maize, pests]. 039015
Functional role of photoinduced electric response of the plant during uptake of phosphorus from soil in the light *[Maize,* **grapes].** 036940
Research on the technology of *maize* **growing** under irrigation, in the Moldavian plain. 038117
Soil furrowing [for better aeration] when **growing** *maize* under irrigation. 041265
Kinetics of auxin transport in light and in dark **grown** *Zea* mays L. coleoptile segments. 037613
Conservation of eggs of Graphosoma lineatum L. Bug by the method of deep freezing and their possible use to destroy eggs of **harmful** *corn* bugs. 039302
Work organization using the combine C-12 in **harvesting** *maize.* 040527
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and **heat-treated** *corn* flour and of the mixtures studies. 033208
Penetration of Zea mays *[maize]* by **Helminthosporium** carbonum [leaf spot]. 038585
Membrane-bound receptors for plant **hormones** *[Maize].* 037594
A comparative study of the quiescent center and primary meristematic tissues in the roots of *maize* and **horsebeans.** 036368
Increase in **hybrid** *maize* yield by means of reciprocal recurrent selection on the basis of varietal crosses. 036647
Man-molded cereal—**hybrid** *corn's* story [Breeding]. 036714
Activity of succinate dehydrogenase in self-pollinated lines and **hybrids** of *maize.* 037602
Effects of storage technique for **immature** *maize* on the utilization of its carbohydrates and nitrogen in growing-finishing swine. 034289
Detection of triazine herbicides and their degradation products in tile-drain water from fields under **intensive** *corn* (maize) production. 039558
The mechanism of auxin action on membrane transport of hydrogen **ions** *[Maize].* 037589
Changes in the microclimate of **irrigated** *maize* crop under the influence of some agrotechnical operations. 038131
Dates and methods for urea and ammonium nitrate application to **irrigated** *maize* on soils having a heavy mechanical composition. 041030
System of *maize* **irrigation** [Yields, costs]. 041360
Cytoplasmic synthesis of soluble and mitochondrial malate dehydrogenase **isozymes** in *maize.* 037356
Investigation on fat quality of embryo, endosperm and crush fractions of *maize* **kernel.** 033304
Amino acid composition of opaque-2 *[corn]* **kernels** from different backgrounds. 037332
Localisation of carbon metabolism in two assimilation tissues of *maize* **leaf.** 037443
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays *[maize]* **leaves** and Sinapis alba cotyledons. 036920
Changes of glycolic acid oxidase and peroxidase activity in *maize* **leaves** during the vegetation period. 037333
Protein quality of two varieties of high **lysine** *maize* fed alone and with black beans or milk in normal and depleted weanling rats. 032306
Maximum yields of *maize* in 1975. 038110
Glume of **maize** *Zea* mays L. Male inflorescence damaged by Sorosporium reilianum (Kuehn) Mc Alpine. 038580
Molybdenum nutrition of **maize** *(Zea* mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and phosphate applications. 040863
The rise of *maize* as a **major** crop plant in the Philippines [Culture, history]. 038050
The quiescent center and primary vascular tissue pattern formaton in cultured roots of *Zea* **[mays,** maize]. 036295
Genetic variation of photosynthetic rate in leaf discs of *Zea* **mays** L. [Maize]. 036544
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from *Zea* **mays** [maize] leaves and Sinapis alba cotyledons. 036920
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and *Zea* **mays** [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
Water deficit and inflorescence development in *Zea* **mays** L. [Maize]. 037350
Vitality test on aleurone cells of the endosperm of *Zea* **mays** (aleurone-tetrazolium test) [Corn]. 037563
Penetration of *Zea* **mays** [maize] by Helminthosporium carbonum [leaf spot]. 038585
The recurrent selection. Objectives and **methods** *[Maize].* 036385
Clustering of specific crossovers in *maize* **microsporocytes.** 036504
Fermentation, utilization and palatability of broiler litter ensiled with high **moisture** *corn* grain [Sheep, cattle]. 034471
A cropping pattern for uplands of Orissa [Rice, *maize,* **mustard].** 038024
Fluorescence induction of normal and **mutant** *maize* seedlings. 037441
Pigment synthesis and photosynthetic activity in carotenoid deficient **mutants** of *maize.* 037448
Toxicity to white mice of *corn* **naturally** contaminated with aflatoxin. 035419
Selection of a **new** *maize* variety. 037958
The effect of certain herbicides used in a *maize-field* on the **nitrogen** circulation of the soil. 039092
Using the associated herbicides based on atrazine and butylate in irrigated and **non-irrigated** *maize* crops. 039161
Amino acid and protein evaluation of commercially grown opaque-2 and **normal** *corns.* Two year summary. 033570
Stand, early growth and plant and ear height of endosperm mutants and **normal** *maize* hybrids under field conditions. 036715
Growing-degree units for *corn* in the **North** Central Region. 037556
Runoff and soil losses from Barnes soils in the **northwestern** *Corn* Belt [Erosion]. 041143
North Dakota barley, *corn,* **oats,** rye historic estimates, 1955-1970 [Statistics]. 031744
Digestibility of nutrients from alfalfa hay, *corn* and **oats** by ponies. 034467
What are "Secondary products" of *maize* **oil** production? 033278
The resistnace of *corn* to **Ostrinia** nubilalis Hbn (Lepidoptera, Pyralidae) and the prospects for international cooperation on this problem. 039279
Two types of conidia of Colletotrichum graminicola (Ces.) G. W. Wils. formed on artificial media, and their **pathogenicity** [to *maize].* 038574
Problem of salinity induced putrescine formation in plants **[Peas,** *maize].* 037142
Two mechanisms of the light-dependent transport of proton in chloroplasts of plants *[Maize,* **peas].** 037402
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of chloroplasts *[Maize,* **peas].** 037588
Juvenile hormone active principle in Attacus atlas L. [In the control of Ostrinia furnacalis, **pest** of *corn].* 039215
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) *[Maize,* **pests].** 039015
Participation of different tiers of the root in supply of *maize* with **phosphorus.** 037431
Behavior of (brachytic-2) **Piranao** *maize* and normal-sized maizes at different nitrogen and plant density levels [Culture, varieties]. 038004
Mode and density of **planting** *maize* as a spray irrigated catch crop. I. 038134
Digestibility of rations made of *maize* **plants** and poultry manure [Sheep]. 034526
Combining ability of self-pollinated lines in *corn* **plants** of different origin. 036641
Regulatory action of blue light on the activity of carboxylating enzymes and enzymes of the glycolate pathway in broadbean and *maize* **plants.** 037449
Effect of iron, manganese, zinc and other nutrients on *maize* **plants** in pot experiments with calcareous Chernozem. 037532
Chemical forms of calcium in relation to the growth of young **plants** of *maize.* 037533
Effect of nitrogen nutrition on glycolate oxidase activity in [broad] bean and *corn* **plants.** 037580
Spectral reflectance studies on healthy and fungus-infected cotton and *corn* **plants** in Egypt. 038757
Lead from motor-vehicle exhausts in *sweet-corn* **plants** and soils along a highway in Hawke's Bay, New Zealand. 039041
Reaction products of polyphosphates and orthophosphates with soils and influence on uptake of phosphorus by **plants** *[Maize].* 041045
Leaching of N [nitrogen]—problem of cropping efficiency, not of **pollution** *[Maize].* 040594
The dynamics of the content of atrazine in washing waters as related to the levels of the herbicide and of the mineral fertilizers with lime applied **previously** *[Maize].* 039524
Rheological behaviour of agricultural **products** *[Maize].* 033277
Harvesting of *maize* with self **propelled** combine C-12 equiped with devices for spadixes and grains. 040519
The activity and localization of alanine- and aspartate amino-transferases in plants with C4[carbon]-photosynthesis *[Maize,* **proso,** rye]. 037395
The nutritive value of dried potato and *maize* **pulps** for swine. 034527
Study of malate dehydrogenase and glutamate dehydrogenase activity in *maize* **radicles** after treatment with gamma rays. 037465
The fire brigade stops a **raging** *corn* epidemic [Blight, Helminthosporium maydis]. 038832
Mutagenic activity of chemical compounds of the diazoketone class with **respect** to *corn.* 036464
Evaluation of **roasted** *corn* and soybeans for swine. 034469
Free nucleotides in the primary **root** of *maize.* 037368
Spectra of protein synthesis in dividing and mature cells of *maize* **root.** 037432
Isolation of plasma membranes from *corn* **roots** by sucrose density gradient centrifugation: an anomalous effect of Ficoll. 037522
Respiration of the cells of *corn* **roots** during deceleration of the rate of root growth induced by reduced temperature. 037587
Corn **rootworms** [Diabrotica longicornis, Diabrotica virgifera, Diabrotica undecimpunctata howardi] and their control. 039297
Position of *maize* in the **rotation.** 037948
Inheritance of pericarp thickness in short **season** *maize* inbreds. 036409
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on *maize* **seed** germination and embryo growth. 038791
Effect of gibberellin and kinetin on the rate of photophosphorylation in *maize* **seedlings.** 037424
Influence of the crop stand and fertilization on the yield of **selfed** *maize* lines. 038133

Studies on irrigation, fertilization and planting density of the **selfed** *maize* line SH-144. 038137
Comparisons of ground and whole **shelled** *corn*, roughage supplements and potassium and cobalt additions in finishing beef steers. 034440
Comparison of the effect of 3 diets containing beets or beet pulps or *maize* **silage** on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Acidity and proteolysis as factors affecting the nutritive value of *corn* **silage** [Calves]. 034404
Two levels of supplemental protein for performance testing bulls on *corn* **silage.** 034481
Leafhoppers [Dalbulus maidis] on **silage** *corn.* 039266
Wheat, barley and *corn* **silages** for growing steers and lambs. 034418
Formation of indol compounds by different strains of Ustilago zeae (Beckm) Ung. **[Smut,** *maize].* 038803
Distribution of protein-bound hexosamine in chloroplasts [of spinach, **snflower** and *maize].* 037201
Field studies on the magnesium, copper and zinc nutrition of *maize* **[Soil** testing]. 040664
The influence of applied phosphorus, manure, or lime on uptake of lead from **soil** [by *maize].* 041000
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, *corn* and **sorghum** plant. 037544
Corn and **sorghum** as silage crops under partial irrigation. 041281
Investigations on fat quality of *maize* with **special** considerations of linoleic acid contents. 033305
Photosynthetic CO2 [carbon dioxide] assimilation in *maize* and **spinach** leaves and chloroplasts. 037446
Research on pesticide residues resulting from a new method of their application for control of soil pests in *maize* **stands.** 039586
Electron-microscopic examination of *maize* **sterile** mutants induced by acridine dyes. 036703
Variable restorers of Texas type CMS [cytoplasmic male **sterility]** in *corn.* 036695
Ferritin in insect vectors [Cicadulina mbila] of the *maize* **streak** disease agent electron microscopy and electron microprobe analysis. 038923
Use of male-sterile 1 gene to eliminate detasseling in production of hybrid seed of bicolor **sweet** *corn.* 036572
Marketing is a two-way street [Sugar, *corn* **syrup,** prices]. 031556
Vitality test on aleurone cells of the endosperm of Zea mays (aleurone-tetrazolium **test)** *[Corn].* 037563
Feeding and replacement value of calcium hydroxide **treated** *maize* cobs for dairy cows. 034368
Irrigation requirements of *maize* in a **tropical** environment. 041217
Influence of cytoplasms on the fatty acid composition of **two** *maize* inbred lines. 036559
Soil potassium relationships as indicated by solution equilibrations and plant **uptake** *[Maize].* 040773
Top dressing of *maize* with **urea** from airplane. 041007
Results with the extrusion of *corn* **varieties** grown in the Federal Republic of Germany. 033235
Comparison of the digestibility and nutritive value of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 *maize* **varieties** [tested on ruminants]. 034284
Determining available lysine content in *corn* **varieties** of Upper Austria. 037597
Analysis of greening in virescent mutants of *maize* by in **vivo** spectrophotometry. 037381
Effect of chemical modifications on the ultrastructure of *corn,* **waxy** maize, and tapioca starches. 033203
Present situation of cereal production [Prices, statistics, **wheat,** *maize].* 031536
Tissue cultures of *maize,* **wheat,** rice & sorghum. II. Growth & nutrition of callus cultures. 037455
Tissue cultures of *maize,* **wheat,** rice & sorghum. III. Growth & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Tissue cultures of *maize,* **wheat,** rice & sorghum. IV. Studies of organ differentiation in tissue cultures of maize, wheat & rice. 037457
Tissues cultures of *maize,* **wheat,** rice & sorghum. I. Initiation of viable callus & root cultures. 037458
Activity of beta-glucosidase in plants with different boron requirements *[Maize,* **wheat,** beans]. 037578
On the optimum density of leached Chernozem-Smolnitza for *maize* and **wheat.** 040749
Comparative biochemical study of *maize* and its **wild** relatives (Enchlaena, Tripsacum, Coix). 037567
Crop production function determinations [relating to *maize* **yield]** as influenced by irrigation and nitrogen fertilization using a continuous variable design. 038098
Glume of *maize* **Zea** mays L. Male inflorescence damaged by Sorosporium reilianum (Kuehn) Mc Alpine. 038580
Molybdenum nutrition of *maize* **(Zea** mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and phosphate applications. 040863
Effect of method of nitrogen application on *corn* **(Zea** mays L.) grown on irrigated sandy soils. 041039

MALABSORPTION

Absorption of amino acids in **tropical** *malabsorption.* 032260

MALACHIIDAE

34th contribution to the knowledge of **Neotropical** *Malachiidae* (Coleoptera) [Lemphus, new taxa]. 040117

MALACOSOMA

Control of the forest tent caterpillar *[Malacosoma* **disstria]** with microbial agents [Bacillus thuringiensis, biological control]. 039403

MALARIA

Passive transfer of heterologous immunity in **avian** *malaria* [Chickens, Plasmodium relictum]. 035099
Mosquitoes, *malaria* and **man.** 039460
Studies on *malaria* and **responses** of Anopheles balabacensis balabacensis and Anopheles minimus to DDT residual spraying in Thailand. II. Post-spraying observations. 039437

MALATE

Interactions between IAA [indoleacetic acid], potassium, and *malate* **accumulation,** and growth in Avena [oats] coleoptile segments. 037612
Study of *malate* **dehydrogenase** and glutamate dehydrogenase activity in maize radicles after treatment with gamma rays. 037465
Formation of molecular hybrid forms in the system of isozymes of *malate* **dehydrogenase** in cotton and Fusarium [oxysporumvasinfectum]. 038804
Mitochondrial *malate* dehydrogenase of bovine cerebrum. Characterization and mechanisms of inhibition by silver ions. 034029
Cytoplasmic synthesis of soluble and **mitochondrial** *malate* dehydrogenase isozymes in maize. 037356

MALATHION

Hepatic drug metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 **(0,0-dimethyl** *malathion).* 039550
Three years large area control of the spruce sawfly [Pristiphora abietina] with ultralow **volume** *malathion* spray in Styria. 039377

MALE

The role of *male* **accessory** glands in insect reproduction. 039621
Cyclic guanosine 3',5'-monophosphate. High levels in the *male* **accessory** gland of Acheta domesticus and related crickets. 039640
Blood values of *male* **adult** Beagle [dog] and seasonal variation. 033841
Plasma luteinizing hormone and testosterone in the **adult** *male* pig: 24 hour fluctuations and the effect of copulation. 034671
Sexual behavior maturation in *male* **Aedes** triseriatus (Diptera: Culicidae): a re-examination. 039858
Effects of active immunization with steroids on endocrine and reproductive functions in *male* **animals.** 034639
Meat production from **buffalo** *male* calves at different ages [Fattening]. 034265
Contribution to the study of Coleophoridae. VII. A new Coleophora species from southern Spain. First classes and the *male* of **Coleophora** nitidipennella Toll ' Amsel, 1967. The male of Coleophora coarctataephaga Toll, 1961. (Lepidoptera, Coleophoridae). 040155
Pigments of the vegetable organs of soft winter wheat plants with **cytoplasmic** *male* sterility. 036466
Induction of CMS **[cytoplasmic** *male* sterility] in cotton by means of radiation-induced mutagenesis. 036520
Variable restorers of Texas type CMS **[cytoplasmic** *male* sterility] in corn. 036695
Manifestation of male sterility in autotetraploids derived from **diploid** *male-sterile* radishes (Raphanus sativus L.). 036583
Uterus masculinus in a *male* **dog.** 035360
Genetic analysis of maternal effect on the "puffed" mutant character in female Drosophila virilis Sturt. X *male* **Drosophila** littoralis Sokolov hybrids. 039760
The head caruncles of the Muscovy duck (Cairina moschata domestics L.). Development of the surface in *males* and **females** of some types. 033742
Tests of *male* **fertility** restoration in some common wheat varieties (Triticum aestivum L). 036382
Use of *male-sterile* 1 **gene** to eliminate detasseling in production of hybrid seed of bicolor sweet corn. 036572
Uteroglobin-like antigen in the *male* **genital** tract secretions [Rabbits]. 033861
On the use of the structure of the *male's* **genitalia** for the taxonomy of horseflies (Diptera. Tabanidae). 040054
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the *male* **germ** cells. 034622
Hepatic drug metabolizing enzymes and lipid peroxidation in young **growing** *male* rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
A study of seasonally delayed puberty in the *male* **hare,** Lepus europaeus. 034678
Influence of social experience on sexual readiness of *male* **house** crickets, Acheta domestica. 039741
Induction of sterility in *male* **houseflies** [Musca domesticus] by vapors of Acorus calamus L. oil. 039493
Glume of maize Zea mays L. *Male* **inflorescence** damaged by Sorosporium reilianum (Kuehn) Mc Alpine. 038580
Effect of temperature on the mating compatibility of **irradiated** *males* of Callosobruchus analis. 039200
On some problems of onion hybrid seed production *[Male-sterile* **lines].** 036534
Histological and cytological study of the tergal gland of Leucophaea maderea and its evolution during the sexual **maturation** of the *male.* 039625
Survival of **Ms/***—males* in two lines of mice selected for a different expression of the gene mosaic (Ms) in heterozygous females. 034620
Partial *male* sterility and spontaneous hybridization in wheat. 036651
Combat between *males* of **Pogonortalis** doclea (Diptera, Platystomatidae) and its relation to structural modification. 039627
Studies on chemically induced dominant lethality. I: The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in **post-meiotic** *male* germ cells [Mice]. 034758
Screwworm flies [Cochliomyia hominivorax] for *sterle-male* **relase:** laboratory tests of the quality of candidate strains. 039487
Studies on *male* **sheep** investigating the feeding value of excreta from young hens and broilers. 034314
Pollen movement within and between rows to *male-sterile* **soybeans.** 036437
Spontaneous *male* recombination and mutation in isogenic-derived chromosomes of Drosophila melanogaster. 039853
Data on the flowering biology of *male* **sterile** wheat. II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. 037491
Male **sterility** in diploid species of coffee. 036552
Manifestation of *male* **sterility** in autotetraploids derived from diploid male-sterile radishes (Raphanus sativus L.). 036583
Male **sterility** caused by cooling treatment at the young microspore stage in rice plants. XI. Effects of some substanceson sterility. 036620
On the nature of *male* **sterility** occurring in the seed progeny of scions in sugarbeet. 036685
Observations on *male* **territories** in a carpenter bee, Xylocopa (Neoxylocopa) hirsutissima Maidl (Hymenoptera, Anthophoridae). 039956
Use of **triploid** *males* for increasing hop yields. 036457
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and seed set on *male-sterile* **wheat.** 036380

MALEIC

Effect of colchicine, *maleic* **hydrazide,** caffeine & theobromine on cell division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Effects of gibberellic acid and *maleic* **hydrazide** on certain biochemical indices of Scenedesmus obliquus [Algae]. 037274
Respiration of *maleic* **hydrazide** treated and untreated onion bulbs during storage [Sprouting and behaviour]. 037629

MALIC

L *malic* **acid** in bergamot juice [Analysis]. 033365

MALIGNANCY

Genetic determination of the *malignant* **hyperthermia** syndrome in the Pietrain pig. 034570
Factors affecting serum creatine phosphokinase activity in pigs [Genetic marker for *malignant* **hyperthermia** syndrome]. 035348
A *malignant* **neoplasm** resembling a circumanal gland adenocarcinoma in a dog. 035309

MALLOPHAGA

A review of the Geomydoecus texanus **complex** *(Mallophaga:* Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae) [New taxa]. 040108
Records of phoretic attachment of *Mallophaga* **(Insecta:** Phthiraptera) on insects other than Hippoboscidae. 040109
Lice [Anoplura, *Mallophaga].* **Means** of controlling lice [in fur animals]. 039512
Clover and lice [Anoplura, *Mallophaga]* in **pasture** cultivation. 039304
Contribution to the knowledge of the *Mallophaga* of the **pheasang (**Phasianus colchicus L.) in Tuscany. 039442
Host races of Cervicola meyeri (Taschenberg, 1882) *(Mallophaga:* **Trichodectidae)** [New taxa]. 039513

MALLOW *see* MALVACEAE

MALNUTRITION

Energy metabolism in children with protein **calorie** *malnutrition* (PCM). 032276
Total muscle mass in *malnourished* **children** measured by N [nitrogen isotope]-creatine. 032326
Evaluation of a low-lactose nutritional supplement in *malnourished* **children.** 032351
Immune **deficiency** in *malnutrition.* 032423
Malnutrition in **early** childhood and some of its consequences for the individual and the community. 032365

Malnutrition and **environmental** enrichment by early adoption. 032456
Dimensions and causes of **hunger** and *malnutrition.* 032533
Commentary: effects of *malnutrition* on **immunological** functions. 032265
The effects of *malnutrition* on **immunological** responses of the host: the key role of scarce amino acids. 032319
Effect of **maternal** *malnutrition* on intra-uterine growth of the human foetus. 032463
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in *malnourished* **mice** after SRBC [sheep red blood cells] administration. 035078
Vegetable protein for combating **protein** *malnutrition* in developing countries. 032334
Immunological studies in **protein** *malnutrition:* IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep red blood cells] administration. 035078
T3 resin uptake in **protein-calorie** *malnutrition* [Children]. 032163
Use of elemental diet and nitrogen balance studies in severe infantile **protein-calorie** *malnutrition.* 032327
The endocrinology of adult **protein-calorie** *malnutrition.* 032431
Potassium depletion and impaired insulin release in **proteinenergy** *malnutrition.* 032428
Systems analysis in nutrition and health planning: approximate model relating birth weight and age to **risk** of *malnutrition.* 032314
Mother-infant relationship prior to the development of clinically **severe** *malnutrition* in the child. 032298

MALONALDEHYDE

Formation of *malonaldehyde* in **frozen** Baltic herring and itsinfluence on the changes in proteins. 032920

MALPIGHIAN

Induction of transport of organic anions in *Malpighian* **tubules** of Rhodnius. 039847

MALT

Analysis of carbohydrate components of beer wort from **barley** *malt.* 032895
Acid proteases of barley and **barley** *malt.* 033147
Influence of some microelements and phytohormones in the photosynthesis intensity and yield of *malting* **barley.** 037552
Comparative test methods for identification of proteins *[Malting,* **brewing].** 032726
Relative amylase activity of some *malted* **cereal** grains. 033269
Connection between protein content and *malt* **extract** yield in brewing barley. 033279
Use of *malt* **extract** as a nitrogen source for continuous cultivation of yeast Candida utilis. 037236
Change in the sugars of Egyptian [barley] *malt* during **mashing.** 033151
Effects of nitrogen and phosphorus fertilizer on *malting* **quality** of wheat. 033190
Barley for *malting* **[Varieties,** production]. 037956
Alcoholic beverage processes [Wort, hops, *malt,* **wine,** spirits]. 032817
Change in the free amino acid composition of Egyptian barley during preparation of *malt* and **wort.** 033150

MALTOSE

Alpha-glucose 1-phosphate, a precursor in the biosynthesis of *maltose* in **higher** plants [Gentiana lutea, spinach, Acer pseudoplatanus]. 037303
Maltose **phosphate** in isolated spinach chloroplasts. 037696

MALUS

Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in *Malus* **domestica,** induced by low doses of X-rays and nitrosomethylurea. 036670
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in *Malus* **domestica** L. induced by dimethyl sulfate. 036671
Experimental mutagenesis in apple. III. Morphological and genetic effects in *Malus* **domestica,** induced by N-nitroso-N-methylurea. 036672
What is *Malus* **pumila** Mill.? 035987

MALVA

Chemical composition and feeding value of **mallow** *(Malva* verticillata L.) (first results) [Sheep]. 034287

MALVACEAE

Chemical composition and feeding value of *mallow* **(Malva** verticillata L.) (first results) [Sheep]. 034287

MAMMALIA

Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various *mammalian* **[Calf,** cow, pig] erythrocytes. 033806
A model for the regulation of growth in *mammalian* **cells.** 034085
Genetic approaches to enzyme induction in *mammalian* **cells** and hybrids in culture. 034582
Consequences of using the pesticide affecting the reproductive **function** of *mammals.* 039602
The distributions of the combinations of the sexes in *mammalian* **litters** [Pigs, rabbits and mice]. 034623
Evolution of the *mammalian* **middle** ear. 034070
The role of *mammals* in **natural** foci of tick-borne [Ixodes ricinus] encephalitis in Central Europe. 039457
Notes on a collection of *mammal-fleas* from **New** Hampshire. 039453
Further investigation of the response of the *mammalian* **oviduct** to catecholaines. 034684
Ova of *mammals.* 7. **Ovulation** [Livestock]. 034555
Comparative metabolism of radionuclides in *mammals.* IX. **Retention** of 75Se [selenium isotopes] in the mouse, rat, monkey and dog. 033909
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of natural actomyosin from *mammalian* **skeletal** muscle [Swine]. 034210
Gamasid mites ectoparasites of **small** *mammals* in Iran. 039519
Beetles (Coleoptera) from nests of **small** *mammals* of Donetsk province. 040068
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats *[Mammalian* **toxicity** tests]. 039564
Quantitative analysis of the rescue of RNA sequences by *mammalian* **type** C viruses. 035134

MAMMARY

Conventional milking machines and the risk of infection of the **bovine** *mammary* gland. 035004
The effects of prolactin and oxytocin on milk secretion and on the permeability of the *mammary* **epithelium** in the rabbit. 034079
Antibody response in sows **following** *intramammary* on intramuscular immunization with a killed Escherichia coli vaccine. 034998
Techniques and practice in milk production. 1. Lactation and milking [Physiology of *mammary* **gland].** 033737
The whey proteins as indicators of the physiological or of the pathological status of the *mammary* **gland.** 033747
Isolation of kallikrein from *mammary* **gland** of cows. 034160
The constituent concentrations of *mammary* **gland** secretions of non-lactating quarters as influenced by lactating quarters [Dairy cattle]. 034174
Electron microscopy study of the structure of cells of the *mammary* **gland** during various periods of lactation and under the effect of luteotropin. 034183
Electrophoresis of blood proteins, tissue of the *mammary* **gland** and milk in acrylamide gel. 034184
Permeation of certain milk components through the cell membrane of *mammary* **glands.** 034139
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the *mammary* **glands.** 034280
Mammary **lymphology** and physiology of lactation [Includes livestock]. 033840
Mammary **neoplasia** in the guinea pig (Cavia porcellus). 035311
Immunoglobulin-containing cells in **pig** *mammary* gland. 033996

MAMMILLARIA

Mammillaria **heidiae** Kraintz spec. Nov. 036043

MAN

Molybdenum—a toxicological appraisal *[Man* and **animals].** 031988
Lipoprotein metabolism *[Man,* **animals].** 032167
Air pollution [harmful to *man,* **animals,** plants]. 033128
Comparison of free amino acids in blood serum of *men* and **animals.** 1. Man, rat, mouse, cock [chickens]. 034239
Impact of *man* on **biological** equilibrium [Natural resources]. 041477
Man-molded **cereal**—hybrid corn's story [Breeding]. 036714
Sugar in the **diet** of *man.* 032505
A study of the host selection patterns of the mosquitoes of the Kisumu area of Kenya [Vectors of **disease** to *man].* 039511
Erythrocyte enzyme activities and glutathione levels of the horse, cat, **dog** and *man.* 033867
Thin-layer chromatographic assays of histamine and its metabolites in urine of *man* and **dog.** 034049
The metabolism of cimetidine in the rat, **dog** and *man.* 034212
Advanced techniques for **feeding** *man.* 032171
Man and his **food** [World food supply]. 031898
Hereditary multiple exostosis. A comparative genetic evaluation in *man* and **horses.** 035347
Forests as energy sources in the year 2000: what *man* can **imagine,** man can do. 035479
Man's **impact** on the tropical rainforest of peninsular Malaysia: a review. 035525
Cat bite transmission of Yersinia pestis **infection** to *man.* 035125
Mosquitoes, arboviruses and vertebrates **[Infections** of *man].* 039459
Man's **interference** in nature [Agricultural aspects]. 031133
When the land is thirsty, there is no bread for *man* **[Irrigation].** 041226
Lincoln and the liberation of the *man* on the **land** [Legislative history]. 031931
Significant recent advances in biological control of vector insects [Pests of **livestock** and *man].* 039439
Mosquitoes, **malaria** and *man.* 039460
Forests as energy sources in the year 2000: what man can imagine, *man* can do. 035479
Effect of fluoride on mineral **metabolism** in *man.* 032272
Stinging of *man* by the **pavement** ant, Tetramorium caespitum (L.) is painful and the reaction lasts for several days. 039466
The chronic toxicity of organochlorine **pesticides** in *man.* 039546
Comparison of free amino acids in blood serum of men and animals. 1. *Man,* **rat,** mouse, cock [chickens]. 034239
The acid-based ratio of minerals in nutrition and the work of Ragnar Berg concerning their influence on the protein **requirements** of *man.* 032473
A course description: FS [Food **science]-201** *Man's* Food, University of Florida. 031869
Unusual sources of proteins for *man* **[Single** cell protein, algae, yeasts, bacteria]. 032781
Sugar in the diet of *man;* a **summary.** 032506
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in *man,* **swine,** insects and seagulls as well as in foods and effluents. 035214
Psoralens in foods *[Man,* **toxicity,** melanogenesis]. 032052
Lack of effect on blood lipid and calcium concentrations of **young** *men* on changing from white to wholemeal bread. 032184

MANDARINS

Profitable santra *[Mandarin* **oranges]** cultivation. 038296
Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in **Satsuma** *mandarin* oranges. 037757

MANDIBLES

Effects of ouabain on two types of active cation transport in the **cat** *submandibular* gland. 033936
A multivariate study of *mandibular* **characters** in fifth instar workers and nymphs of Drepanotermes perniger (Froggatt) (Isoptera: Termitinae). 039813
The amino acid sequence of the double-headed protein proteinase inhibitor from **dog** *submandibular* glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Preliminary observations on the permeability of *submandibular* **glands** to horseradish peroxidase in rabbits. 033941

MANDUCA

Host selection by insect parasitoids *[Manduca* **sexta,** Telenomus sphingis, Trichogramma minutum, tobacco pests]. 039203
Hormonal control of insect epidermal cell commitment in vitro [Tobacco hornworm, *Manduca* **sexta].** 039296

MANGANESE

Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with *manganese* and **cobalt.** 036502
Manganese **deficiency**—common in maples [Acer]. 4. 038952
Character of ultraviolet-spectra of native DNA and DNA after acidic and alkaline denaturation depending on degree of plant supply with *manganese* **ions.** 036932
54Mn *[manganese* **isotope]** uptake by the ovaries and reproductive tract of cycling and anestrous ewes. 033853
Distribution of *manganese-oxidizing* **microorganisms** [Metallogenium] in soils. 040821
Manganese **mutagenesis** in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Iron and *manganese* **status** of citrus trees grown in Egypt inrelation to location, variety, and plant organ. 040906
Manganese **stimulation** of oxygen consumption in [spinach, maize] chloroplasts with dibromothymoquinone. 037406
Effect of iron, *manganese,* **zinc** and other nutrients on maize plants in pot experiments with calcareous Chernozem. 037532

MANGE

Comparative susceptibility of the **chorioptic** *mange* mite, northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Demodex suis [Swine, **demodectic** *mange].* 039514
Satanicoptes armatus, n. Gen., n. Sp. (Astigmata: Sarcoptidae), a new mite **producing** *mange* in the Tasmanian Devil (Sarcophilus harrisii Boitard). 039486

MANGIFERA

The effects of low-dose gamma-irradiation on the wholesomeness of **mangoes** *(Mangifera* indica) as determined by short-term feeding studies using rats. 032189

MANGOES

Accelerated ripening of **'Alphonso'** *mangoes* by the application of Ethrel. 038510
Note on a canker of the *mango* **caused** by Phytophthora in theIvory Coast. 038621
Histopathology of *mango* **die-back** caused by Botryodiplodia theobromae. 038654
Feasibility of producing **grafted** *mangoes* in Reunion. 038301
The effects of low-dose gamma-irradiation on the wholesomeness of *mangoes* **(Mangifera** indica) as determined by short-term feeding studies using rats. 032189
Contribution of lipid to aroma of **ripening** *mango* (Mangiferaindica L.). 033421

MANGROVES
The potential of *mangrove* **forests** in Sarawak. 035602
About the primary stage in the soil formation under *mangrove* **vegetation** in sandy shallow-water regions of the CaribbeanSea. 040610

MANNANASE
An endo-alpha **yield** *6-D-mannanase* from soil bacterium [Arthobacter]. Purification, properties, and mode of action. 040668

MANNITOL
A comparison of strontium selenite broth and *mannitol-selenite-cystine* **broth** in the isolation of salmonellae from egg products. 031962

MANNOSES
Characterization of the *mannosyl* and **fucosyl** transferases in the ovine anterior pituitary glands. 033817

MANPOWER
Manpower in **Greek** agriculture: development perspectives to 1981. 031919
The scientific organization of labor as an important factor in the effective utilization of **rural** *manpower*. 031393

MANUAL
Study of the work of red wine vats: "self-emptying" vats and vats with **improved** *manual* emptying. 033490
Manual of the **rushes** (Juncus spp.) of the Rocky Mountains and Colorado Basin. 036167
Techniques of researching information for the development of a *manual* to **vegetate** soils of low productivity disturbed by construction activities. 041183

MANUFACTURE
Camembert cheese: certain **aspects** of *manufacture*. 033026
Separated fermentation of starch syrup **[Beer** *manufacture]*. 032728
Sauerkraut, a natural product in tin **cans** *[Manufacture]*. 033392
Card-Phenol (Cardanol) *[manufactured* from **cashew** nut shell liquid] & its utilisation. 033357
Ability of the species of Geotrichum candidum to produce proteolytic enzymes. Additional note **[Cheese** *manufacture]*. 032983
Cheese *manufacture* with the DDS reversal osmosis system. 033000
Continuous soft **cheese** *manufacture*. 033001
New ways in large block **cheese** *manufacture*. 033004
Cheese *manufacture*. 033027
The bacteriological composition of some commercial starters used for Gouda **cheese** *manufacturing* [Streptococcus cremoris, Streptococcus lactis, Streptococcus diacetilactis]. 033030
The **continuous** *manufacture* of yogurt. 033020
Milk sugar, an ingredient of fat-free milk solids for ice **cream** *manufacture*. 033036
Irrigated alfalfa for hay meal **[Culture,** *manufacture]*. 038059
Dry filtering systems for bacteriologically sound powder recovery [Air pollution from *manufacture* of **dried** milk]. 041623
Possible ways of controlling the *manufacture* of **dry** sausage. 033064
Technology—the *manufacture* of **electric** heating elements on a plastic base [Grapes, culture]. 040388
Technical problems of *manufacturing* **feed** protein. 033547
Modern sulphuric acid practice **[Fertilizer** *manufacture]*. 041037
Overcoming the bird [pests] problem [in **food** *manufacturing]*. 032014
Continuous freezers for the *manufacture* of **ice** cream. 033018
Factors affecting the quality of [sawn timber] finger **joints** *manufactured* in commercial jointing machines. 035845
Some problems of *manufacturing* and **marketing** compounded feeds in developing countries. 033527
The *manufacture* of **Mozzarella** and related cheese by ultrafiltration. 032957
More European ideas for the *manufacture* of **new** milk products. 032998
The thermomigration of aqueous binder dispersions during the *manufacture* of **nonwovens** [Latex, fabrics]. 032915
Test of a refrigerated farm milk tank, type RM/DX 1600, rated volume 1580 liters, *manufactured* by **Packo,** Zedelgem (Belgium). 040514
Design aspects of manifold-type flow spreaders **[Paper** *manufacture]*. 035879
Effect of polyelectrolyte molecular weight and stock agitation on filler retention **[Paper** *manufacture]*. 035881
Preliminary studies on some Malaysian timbers for **plywood** *manufacture*. 10. Keranji (Dialium platysepalum). 035833
Recent advances in the chemistry and physics of milk and milk products for standardisation of **processing** and *manufacture*. 032999
Studies on hydrogen sulphide in Cheddar cheese at differentstages of its *manufacture* and **ripening.** 032971
Studies on the survival of thermophilic bacteria during *manufacture* and **storage** in dried milks. 032056
Carbohydrate changes in invert syrups [in sugarcane **sugar** *manufacture]*. 033160
Starch: its occurrence, importance, and removal in **sugar** *manufacture*. 033186
Triple **superphosphate** *manufacture* [Mineral fertilizers]. 041029
Determination of the *manufacturing* **tolerance** from the maintenance point of view [Equipment]. 040419
Anatomical structure of lumbang [Aleurites moluccana] as regards wooliness in **veneer** *manufacture*. 035750
Malolactic fermentation in funcetion of sulfite treatment and heating **[Wine** *manufacture]*. 033316
Present state of **wine** *manufacture* from the technological point of view. Ways and means of development. 033355
Determination of an assemblage by linear programming **[Wine** *manufacture]*. 033443
Wine *manufacture* in vats with lids. 033696
Urease: the bye-product of **yeast** *manufacturing*. 032709

MANURE
Effect of dairy **cattle** *manure* on millet and rye forage and soil properties. 040998
Manure in a **cereals-sugarbeets** crop rotation on deep Chernozems. 040870
Nitrogen and phosphorus losses from winter disposal of **dairy** *manure*. 040999
Beet pulp and **dried** *manure* as a nitrogen source (protein) substitute for fattening bulls. 034327
The M 40 Mistral **Fella** *manure* spreader. 040466
Floristic and chemical changes in forage plants after using *manure* and **fertilizers.** 037598
Autumn tillage of soil and the application of **green** *manure* plants to cotton-alfalfa crop rotations. 038177
Green *manuring* and output of sugarbeets on loamy soil. 040889
Negative secondary effect from **green** *manuring* with yellow lupine [Fertilizing Picea abies and Picea omorika]. 040904
The influence of applied phosphorus, *manure,* or **lime** on uptake of lead from soil [by maize]. 041000
The present status and prospects of development of the mobile distribution of **liquid** *manure* [Equipment]. 040440
Proposal for formation of relations between plant and livestock production in the sphere of the **liquid** *manure* industry. 041002
Regulation of the delivery and utilization of **liquid** *manure* for the greatest common benefit [East Germany]. 041003
Effective utilisation of *manure* from **livestock** farming [Fertilizers]. 040912
The effect of *manure* and **mineral** fertilizers on fractional composition of phosphates in deep soddy-podzolized soil in the trans-Carpathian lowlands. 041127
Organic *manures* for meeting the plant nutrient shortage. 040946
Use of **poultry** *manures* in steer finishing rations. 034417
Poultry *manure* as feed for mink. 034505
Digestibility of rations made of maize plants and **poultry** *manure* [Sheep]. 034526
Poultry *manure*—its use in agriculture. 2. 040891
Recycled *manure:* a moneysaver and answer to a problem. 041055
Effect of coal fertilizer and Thomas phosphate in *manuring* **rice.** 040978
Recommendations for short-term no-delay application of **semiliquid** *manure,* using cultivation equipment [Fertilizers]. 040916
Mobile application of **semi-liquid** *manure* by agrochemical centres. 041521
The bacterial bed, a technique for deodorizing **semi-liquid** *manure*. 041626
Liquid **swine** *manure* and sewage sludge need careful supplementation [to fill nutritional requirements of field crops]. 040947
Effect on soil and plant mineral levels following three annual applications of **swine** *manures* of different copper contents. 041063
Biochemical method of disinfection and utilization of **swine** *manure*. 041117
Efficacy of certain chemical and biological compounds for control of odor from anaerobic liquid **swine** *manure*. 041603
Relative costs of wall construction for **underfloor** *manure-storage* tanks [for a confinement swine unit]. 040370

MAPLES
Loss of ducklings following intake of *maple* **[Acer]** seedlings [Intoxication]. 035427
Tree genera. 3. **Acer**—of the *maple*. 038261
Manganese deficiency—common in *maples* **[Acer].** 4. 038952
Sawing pattern effect on warp loss of **hard** *maple* [Acer saccharum] dimension stock. 035748
A method of tracing fungi inoculated into the stems of **living** *maple* [Acer saccharum, Coniochaeta velutina]. 038578
Effects of soil amendments and fertilizer on the establishment of **silver** *maple* (Acer saccharinum) in two soil types. 041066
Seed source effects on **sugar** *maple* [Acer saccharum, culture]. 038253
Mini-production of *maple* **syrup** [Acer saccharum]. 033221

MAPPING
Studies on the accuracy of **contour** *map* of a forest tract obtained from a magnification of medium-scale topographic map. 035593
Statewide land **cover** *mapping* using ERTS [Earth Resources Technology Satellite] imagery [Wisconsin]. 031215
Bibliography of **distribution** *maps* of fungi. V. Lower fungi (Phycomycetes) 1941-1974. 036005
The radial matter as a problem of the *map* of the **form** of historical [land] settlement of Mecklenburg and Pomerania. 031191
Mapping and **gene** conversion studies with the structural gene for iso-1-cytochrome C in yeast [Saccharomyces cerevisiae]. 036507
The vegetation of the Urals on a new **geobotanical** *map*. 036185
Lineament analysis using ERTS-1 [Earth Resources Technology Satellite] images of Alberta **[Hydrogeological** *mapping]*. 041309
Presentation of geomorphological and **hydromorphological** *maps* of the upper basin of the Lebrija River (Santander Department) [Colombia, soil erosion]. 041173
Automated **land-use** *mapping* from spacecraft data. 031210
Mapping **land-use** from existing air photos [Michigan]. 031212
Fate *mapping* of **nervous** systems and other internal tissues in genetic mosaics of Drosophila melanogaster. 039689
The organization of genes in yeast [Saccharomyces carlsbergensis] mitochondrial DNA. II. The **physical** *map* of ecoRI and HindII-III fragments. 036592
The world **soil** *maps* and the problems arising before soil scientists. 040617
Soil *mapping* in relation to the use of fertilizers in the humid tropics. 040647
Shifts in the use of selected **soil** *mapping* units as the result of agricultural utilization. 040679
Studies on the accuracy of contour map of a forest tract obtained from a magnification of medium-scale **topographic** *map*. 035593
Spectral signature selection for *mapping* **unvegetated** soils. 040787
Vegetation *map* of Cuba. 035993
Mapping **vegetation** in the Great Basin from ERTS [Earth Resources Technology Satellite]-1 imagery [Nevada]. 036242
Maps of **weeds** on a scale of 1:10 000 at the farms of the Agricultural State Enterprise Sarulesti. 039160
Applicability of Skylab orbital photography to coastal **wetland** *mapping* [Chesapeake Bay]. 031209
Quantitative photo-interpretation for **wetland** *mapping* [Wisconsin]. 031214

MAREK
Vaccination against *Marek's* **disease** in chicken [Avian lymphomatosis]. 034978
Stability of freeze dried vaccines against *Marek's* **disease.** 034991
Enhancement and interference in chickens inoculated with *Marek's* **disease** herpesvirus and oncornaviruses. 035189
Testing the protective effect of cell-free lyophilized vaccine against *Marek's* **disease** in field trials [Chickens]. 035228
Methods of diagnosis of *Marek's* **disease** in Czechoslovakia [Chickens]. 035265

MARES *see* HORSES

MARGARINE
Continuous sheeting and packaging of pastry type and other fats *[Margarine,* **butter].** 032969

MARGOSA
Effect of *margosa* & **marigold** root exudates on mortality & larval hatch of certain nematodes. 039001
Twigs from *Azadirachta* used as **toothbrushes** in India. 032730

MARIGOLDS
Effect of margosa & *marigold* **root** exudates on mortality & larval hatch of certain nematodes. 039001

MARINE
Osmotic regulation in the *marine* **alga,** Codium decorticatum. I. Regulation of turgor pressure by control of ionic composition. 037055
Seasonal occurrence and ecology of *marine* **algae** in a New Hampshire tidal rapid. 036136
Marine **algae** of western Norway species distribution and ecology. available reports. 036138
Fatty acid composition of lipids in some species of *marine* **algae** [Codium fragile, Gracilaria vercosa, Undaria pinnatifida, Sargassum]. 036852
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of *marine* **algae** and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Signy island, *Maritime* **Antarctic** [Vegetation, soils]. 036199
Alternatives to *marine* **disposal** of sewage sludge. 041467
Effects of baled solid waste disposal in the *marine* **environment**—a descriptive model [Water and air pollution]. 041470
Problems in aquatic ecosystems, with special reference to heavy metal pollution of the *marine* **environment.** 041517
Isolation of halophil Vibrio spp. In *marine* **fish** and fish products [Contamination]. 032154
Chlorophyll and peptide compositions in the two photosystems of *marine* **green** algae. 036810
Nitrogen fixation associated with the *marine* **macroalga** Codium fragile. 037090
Effect of environmental conditions on the degradation of DDT in **model** *marine* ecosystems. 039580
A note on light and electron microscopy studies of white pine [wood] exposed to *marine* **[mollusk** and crustacean] borer damage. 035894

National *marine* fisheries service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and arsenic content [Contamination]. 032070
Phosphorus quota and the chlorophyll: carbon ratio in *marine* **phytoplankton** [Algae]. 037091
Correlation between oxygen utilization and electron transport activity in *marine* **phytoplankton** [Algae]. 037093
Effects of power-plant cooling system on *marine* **phytoplankton** [Algae]. 037094
Measurements of electron transport activities in *marine* **phytoplankton** [Algae]. 037095
Utilization of *marine* **plants** [Algae] and their constituentsby bacteria isolated from the gut of echninoids (Echinodermata). 037097
Quantitative fabric analysis of Drammen clay using X-ray diffraction technique *[Marine* **sediment].** 040678
A comparison of three methods of extracting organic matter from soils and *marine* **sediments.** 040618
Presence and distribution of polychlorinated biphenyls (PCB) in arctic and **subarctic** *marine* food chains. 039576
Drying and processing rice grain in the *Maritime* **territory.** 033309
Ginseng and its role in the hunting and industrial areas of the *Maritime* **Territory.** 038553
Materials on the biology of xylophile staphylinids (Coleoptera, Staphylinidae) from the southern part of *Maritime* **Territory** [USSR]. 039714
The discovery of a member of the peculiar family Nymphomyiidae (Diptera) in the *Maritime* **Territory** [USSR]. 040074
The construction of profile embankments [for rice irrigation] from overmoistened cohesive earth in the conditions of the *Maritime* **territory.** 041267
Observations on the genus Lulworthia Suth. [A *marine* **wood** rotting fungus], its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [Tests with various kinds of woods]. 038625

MARKERS

Blood **genetic** *markers* in two breeds of ponies from Poland. 034565
Factors affecting serum creatine phosphokinase activity in pigs **[Genetic** *marker* for malignant hyperthermia syndrome]. 035348
Tobacco fraction 1 protein: a unique **genetic** *marker.* 036638
The digestive transit in the rabbit. IV. Assay on the mathematical modelling of the transfers of **radioactive** *marker* between the different digestive compartments. 033752
The first epoxycarotenoid in a fungus: possible **taxonomic** *marker* for cantharelloid fungi. 036163

MARKETING

Available publications of USDA's **Agricultural** *Marketing* Service [Bibliographies]. 031020
Some statements about **agricultural** *marketing* of individual firms under behavioral aspects. 031524
Milk marketing and the law **[Agricultural** *Marketing* Agreement Act]. 031712
World production and utilization of fishmeal and factors affecting quality and *marketability* [**Animal** feeds]. 033534
There is something you can do about **beef** *marketing!* 031720
The [milk] producer goes metric *[Marketing,* Great **Britain].** 031694
Retrospect and outlook of the **Central** *Marketing* Association of the German Agrarian Economy for potatoes. 031682
Soy oil faces stiff **competition** *[Marketing].* 031731
What you should know about your biggest soybean **competitor** *[Marketing].* 031721
Some problems of manufacturing and *marketing* **compounded** feeds in developing countries. 033527
Farm food [retail] *marketing* **costs.** 031562
Scientific modernization of *marketing* can **cure** the ills [Poultry]. 031709
The emerging agricultural food system **[Distribution,** *marketing].* 031533
Eggshell damage and master container costs of two shell **egg** *marketing* systems. 033121
Better [poultry] *marketing* **facilities** needed. 031707
South Carolina cash receipts from **farm** *marketings,* 1973 revised and 1974 preliminary. 031402
Extension and *marketing* of **fertilizers** in the Ivory Coast. 040958
Producers and business must cooperate for better *marketing* of **flowers.** 031621
Relative changes in prices received by farmers and hourly earnings of employees of **food** *marketing* firms. 031625
Increasing the *marketability* of **fruit** and vegetable products. 031741
Structural aspects of the *marketing* of **fruits.** 031538
Marketing of **lettuce.** 031667
Livestock market and *marketing* of **livestock.** 031660
Improving cooperation with the trade **[Meat** *marketing,* consumer preferences]. 031686
Organization and functions of the **Milk** *Marketing* board in England and Wales. 031522
The dairy goes metric **[Milk,** *marketing].* 031693
Milk *marketing* in an isolated large city [West Berlin]. 031701
Milk *marketing* and the law [Agricultural Marketing Agreement Act]. 031712
Agriculture **needs** more *marketing.* 031695
Committee on Commodity Problems, fiftieth session; Rome, 13-24 October 1975. Recent developments in the world agricultural commodity situation and **outlook** *[Marketing].* 031563
Agriculture and the Washington scene [Beef cattle industry, *marketing,* **outlook].** 031903
Distribution and future of the food sector **[Prices,** *Marketing].* 031529
Characteristics of economical and management aspects of increased turkey production **[Prices,** *marketing].* 031550
Marketing **problems** with consumer eggs [Austria]. 031517
Butter and cheese: sales changes associated with three levels of **promotion** *[Marketing].* 031525
Special theme on the proposals for promoting the production and *marketing* of **Satsuma** oranges. 031680
Equal rights for **soybeans** *[Marketing].* 031730
Canada, a producer of fresh fruit **[Supply,** *marketing].* 031652
Reorient farming and *marketing* **techniques** [Poultry]. 031708
Attainment of coordination without suppression of free initiative *[Marketing,* **trade,** Europe]. 031528
Background of the lettuce industry [Production, *marketing,* **transportation].** 031665
Marketing is a **two-way** street [Sugar, corn syrup, prices]. 031556
The production, *marketing* and **utilisation** of oilseed cakes and meals in Turkey. 033530
Determination of wheat gluten content with "gluto matic" considering the problem in relation to **varieties** and *marketing.* 033231
Growth rate and change by age in *marketability* of **white** willow stands of Astrakhan Region [Salix alba]. 035589
Methods and costs for the warehouse assembly of grocery orders for small stores **[Wholesale** *marketing].* 031687
The *marketing* of 2 1/2 **year** old Africander slaughter steersof the veld [Breed performance]. 034548

MARKETS

Regulation of the **agricultural** *market* in the European Economic Community. 031573
Dairy industry at the limit of its growth [Demand, *markets,* **Bavaria].** 031700
The **beef** *market* crisis. 031539
The **beef** *market* crisis. 031540
Demand and supply forces in the world **beef** *market.* 031724
Much friendliness [Supply of butter to **British** *market,* New Zealand, Common Market]. 031688
Forecasting the **cattle** *market.* 031521
Cattle *markets.* 031534
Good *market* **climate** nurtures soy industry growth. 031593
A study of the **coffee** *market* in France in relation to Indian coffee. 031659
Some conduct and performance aspects of food specials retailing: a **Columbus** *market* case study. 031726
Commodity *markets.* 2. Localities and futures [London, agricultural products, trade, prices]. 031554
Regulating the potential of glasshouse culture **[Common** *Market].* 031351
Common *Market's* budget under debate. Expenditures for the dairy sector in the limelight? 031356
Denmark after two and one-half years in the **Common** *Market.* 031363
Agricultural income situation **[Common** *Market].* 031513
Import of nursery articles **[Common** *Market].* 031618
Much friendliness [Supply of butter to British market, New Zealand, **Common** *Market].* 031688
Settlement stalls on butter price increase [Exports, **Common** *Market].* 031690
The British accept Europe **[Common** *Market].* 031691
Agricultural price situation, 1974-1975 **[Common** *Market].* 031735
New quality requirements for rape **[Common** *Market].* 032105
Importance of the European Economic **Community** *market* for Austrian agriculture. 031594
Market for **dehydrated** vegetables still poorly developed in Switzerland and Sweden. 031656
Difficult *market* situation today—but good long range perspectives [Forest products]. 035843
Studies on *market* **diseases** [caused by fungi] of vegetables in Karnataka State. II. 038749
Pathogenic Staphylococci associated with contamination of *market* **eggs.** 032086
Using the automatic interaction detection (AID) model to obtain homogeneous classifications of farmland [real **estate]** *markets.* 031149
Position of Italian wines on **foreign** *markets.* 031549
Actual and potential use of the livestock **futures** *market* by Illinois producers. 031516
Hedging strategies in the lumber **futures** *market.* 035747
Marketers will **"hold** the line" on pricing [Pesticides]. 039538
The world **honey** *market.* 031542
Chemical quality of *market* **ice** cream. 032079
The A. I. [Artificial insemination] **industry** *market* potential [Beef cattle]. 031714
Continued decline of oil seed prices on the **international** *market.* 031733
Livestock *market* and marketing of livestock. 031660
Trends in the wholesale **meat** *market.* 031591
Market **milk** products, infected by Bacillus cereus in the dairy [Contamination]. 032122
Farm grain storage gives you more *market* **muscle.** 031719
Process, package innovations **open** *markets* for fabricated steaks in retail, foodservice outlets 033079
Market **outlook** for [Lactobacillus] acidophilus food products. 031568
Market **partners** will be fair [Agriculture]. 031696
Towards a better knowledge of the national and international **potato** *market.* 031541
Thoughts on the **potato** *market* in fall 1975. 031684
A *market* **potential** for fresh vegetables. 031732
Lamb and mutton on the *market.* **Problems** of supply and demand. 031589
The president of the Sugar and Alcohol Institute [of Brazil] talks to sugar **producers** *[Markets]* 031558
Market **regulation** of vegetables produced during the current season. 031622
Amino acid content of Domiati **ripened** *market* cheese. 032931
Studies on the chemical composition of *market* **samples** of shrikhand [Fermented milk product]. 032973
Knowing your *market* **situation** [Artificial insemination, cattle]. 031711
The **skin** *market* [Mink]. 031740
Optimum plant size and location: a case for separable programming [Cost anaysis, **spatial** *markets* in agricultural economics]. 031415
The **sugar** *market* in the United States of America. 031518
Coping with the super **super** *market* [Food packaging]. 032810
The **swine** *market* in the European Economic Community. 031717
The *market* for **tulip** [Tulipa] bulbs. 031553
Fast food concepts invade **uncommon** *markets.* 032546
Assessment of storage losses, quality and pesticidal contamination in wheat available in the *markets* of **western** Uttar Pradesh, Punjam and Haryana. 5. 039531
Promoting Styria's **wood** *market,* official record of felled wood. 035696
Promoting the **wood** *market* in Styria. 035697
Notes on the **world** *market* for wheat [Prices]. 031535
Export turn-over of foods in 1974, in the mirror of **world** *market* situation. 031574

MARMOSETS

Reproduction of wild-caught and **laboratory-born** *marmoset* species used in biomedical research (Saguinus sp, Callithrix jacchus) [Animal models]. 034713

MARROW

Bone and **bone** *marrow* spaces in dosimetry of beagle skeletons [Dogs, radiation toxicity] 035410
A comparative evaluation of **bone** *marrow* haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism [Radiation injuries]. 035435

MARSHES

Applicability of Skylab orbital photography to **coastal** *wetland* mapping [Chesapeake Bay] 031209
Assessing visual-cultural values of **inland** *wetlands* in Massachusetts. 041548
Lipid geochemistry of recent sediments from the Great *Marsh,* **Lewes,** Delaware [Vegetation] 036172
Quantitative photo-interpretation for *wetland* **mapping** [Wisconsin]. 031214
Post maturity changes and keeping quality of seedless grapefruit **'Pink** *Marsh'* in relation to the age of harvest. 033345
The influence of tidal flux on microbial biomass in **salt** *marsh* creeks [Distribution and ecology of estuarine plants andanimals]. 036234
Nitrogen fixation in Flax Pond: a Long Island **salt** *marsh.* 040684
Production and dynamics of **salt** *marsh* vegetation and the effects of experimental treatment with sewage sludge. Biomass, production and species composition. 040996
Microbial indicators of oil-rich **salt** *marsh* sediments. 041486

MARSILEA

Contribution to the study of a fern, *Marsilea* **vestita** (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274

MARSILEACEAE

Contribution to the study of a fern, Marsilea **vestita** *(Marsileaceae),* from the embryo phase up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274

MARSSONINA

In vitro and in vivo germination of spores of *Marssonina* **brunnea** (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. 038611

MASHES

Mashes of **geese.** 034365
Change in the sugars of Egyptian [barley] **malt** during *mashing.* 033151

MASS
Seasonal dynamics of the *mass* of **aboveground** and underground organs of meadow steppe plants. 037326
Activity of nitrate reductase in cabbage and tomato plant with introduction of **algal** *mass* as organic fertilizer. 037700
A *mass* **attack** by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of sewage discharge. 039494
Algae from *mass* **cultures** as potential source of proteins [for food and feed]. 038552
Applications of high-pressure liquid chromatography and field **desorption** *mass* spectrometry in studies of natural porphyrins and chlorophyll derivatives. 037032
Plant desiccation [of the **drought-tolerant** *mass* Tortula ruralis]: polysome loss not due to ribonuclease. 037260
A case of *mass* **flight** of Sehirus morio L. 039645
Gas *chromatographic-mass* spectrometric identification of phenylurea herbicides after N-methylation [food chemistry]. 039138
Parasite problems in the biological regulation of *mass* **increase** of forest insects. 039376
Total **muscle** *mass* in malnourished children measured by N [nitrogen isotope]-creatine. 032326
Use of adjuvants for the *mass* **production** of diagnostic sera for some potato viruses. 038942
Mass **sorting** of mechanically harvested tomatoes. 033448
A useful equation for calculating heat and *mass* **transfer** processes with varying surface temperature [Food technology]. 032736
Research on *heat-mass* **transfer** in processes occurring at phase transformation under vacuum [Food technology]. 032754
Successions of microorganisms of the overground **vegetative** *mass* in meadow communities. 036184

MAST *see* FEED

MASTITIS
Prostaglandin induced parturition in swine with some aspects on prevention of the MMA (metritis, *mastitis*, **agalactia**) syndrome. 034766
On the compatibility of the electric conductivity in the **California** *Mastitis* Test for the detection of abnormal milk. 032103
Studies on histamine concentrations in milk and blood in health and **clinical** *mastitis* in buffaloes and cows. 033966
Milk leucocyte counts and their significance in *mastitis* **control** [Dairy cattle]. 035162
Mastitis **control** [Cattle]. 035211
Use of electronic computers for determining cell numbers in milk tank samples *[Mastitis* **control].** 035273
Investigation of interrelationship between the inhibitory activity of milk with different beta-lactoglobulin types and the resistance of **cows** to *mastitis*. 034627
Mastitis of **cows** and its real importance. 034972
You can't **cull** *mastitis* problems away [Cattle]. 034887
Etiology and geographical distribution of bacterial agents of *mastitis* in **dairy** cows in Slovakia in 1973 and 1974. 035262
Characters of the staphylococcal hemolysin beta produced by the causative agent of **gangrenous** *mastitis* in sheep. 035220
Studies on **heifer** *mastitis*. II. Biochemical properties and microbiological findings of exudates from normal and mastitic udders of the heifer. 035012
Infectious *mastitis* in the Novy Jicin district. 035264
Practical use of the N-test in the suppression of *mastitis* in the **Jicin** District. 035268
Changes in the whey protein fraction in *mastitis* **milk,** colostrum and drying off secretions. 032053
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of exudates from normal and *mastitic* **udders** of the heifer. 035012

MATERNAL
A complete serum iron profile in pregnancy: study of the *maternal* and **cord** blood. 032256
Genetic analysis of *maternal* **effect** on the "puffed" mutant character in female Drosophila virilis Sturt. X male Drosophila littoralis Sokolov hybrids. 039760
Effect of *maternal* **malnutrition** on intra-uterine growth of the human foetus. 032463
Maternal **nutrition** in lactation. 032205
Preweaning *maternal* heterosis of backcross and three-breed cross beef dams [Cattle]. 034732
The influence of *maternal* **traits** on the development of the progeny in higher plants. 036618

MATHEMATICS
Mathematical **alternative** models in water management. 041452
Mutual achievement by work and introduction of *mathematical* **methods** in the management system of agricultural production. 031321
The digestive transit in the rabbit. IV. Assay on the *mathematical* **modelling** of the transfers of radioactive marker between the different digestive compartments. 033752
Time series data analysis and synthesis for research watersheds *[Mathematical* **models].** 041234
Application of *mathematical* **models** to the study, monitoring and [natural resource] management of the North Sea. 041538
Determination of confidence intervals for consumption indexes of spare parts using a method of *mathematical* **statistics** [Equipment]. 040420

MATING
Selection for *mating* **activity** in two chromosomal arrangements of Drosophila pseudoobscura. 039732
Mating **behavior** in halictine bees (Hymenoptera: Halictidae). III. Copulatory behavior and olfactory communication. 039815
Temporal patterning of *courtship* **behaviour** in some parasitic Hymenoptera, with special reference to Melittobia acasta. 039839
Preparation of rams for the *mating* **campaign** on distant pastures. 034853
Effect of temperature on the *mating* **compatibility** of irradiated males of Callosobruchus analis. 039200
Contributions to the study of the *mating* **flight** of honeybee (Apis mellifica mellifica L.). 040192
Contributions to the knowledge of the *mating* **flight** of the honeybee (Apis mellifera mellifera L.). 040193
Induction of haploid **glycoprotein** *mating* factors in diploid yeasts [Hansenula wingei]. 037103
Mating times of **heifers** and milk productivity of once-calved cows. 034868
Mating of **sows** during lactation: observations from a commercial unit. 034560
Estimation of the *mating* **system** of Eucalyptus obliqua L'Herit. by using allozyme polymorphisms. 036392

MATRICARIA
Polysaccharides of *Matricaria* **chamomilla.** I. Monosaccharide composition of the polysaccharide complex. 036893

MATRICES
Ecological specialization of Hawaiian drosophila. II. The **community** *matrix*. ecological complementation, and phyletic species packing. 039891

MATURITY
The role of phytohormones in breaking deep dormancy of **Acerseeds,** depending on their *maturity*. 037900
Is ethephon the answer for color and *maturity* in **apples?** 038520
Estimating the state of *maturation* of a **banana** bunch from meteorological and supporting data. 037621
Effects of elevated temperature conditioning on youthful and *mature* **beef** carcasses. 033088
Sexual **behavior** *maturation* in male Aedes triseriatus (Diptera: Culicidae): a re-examination. 039858
Spectra of protein synthesis in dividing and *mature* **cells** of maize root. 037432
Effects of peapollen feeding on *maturation* & **copulation** in the beetle, Bruchus pisorum L. 039802
The degree of cell-wall thickening as a measure of the *maturity* of **cotton** fibres. 033272
Callus formation and organogenesis of *mature* **cotyledons** of Linum usitatissimum L. variety szokijskij [flax] in vitro culture. 037436
Annotated bibliography on the use of light (UV [ultraviolet], visible and IR [infrared]) in assessing the quality, *maturity* or **defects** in fruit and vegetables, 1967-1974. 033445
Studies on collagen synthesis in the *mature* **dermal** scar in the guinea pig. 034208
Weather conditions before *maturity* and **dormancy** in wheat in relation to prediction of sprouting. 037564
Correlation study of quality and yield contributing characters in **early** *maturing* sugarcane cultivars. 038034
Changes of antigene properties of the bovine spermatozoa during their *maturity* in the **epididymis** and ejaculation. 034805
Effects of type and variety and stage of *maturity* on **feeding** values of cereal silages for lambs. 034412
The effects of indomethacin on the pulmonary vascular response to hypoxia in the premature and *mature* **goat.** 034155
Changes in polyphenoloxidase activity and substrate levels in *maturing* **'Golden** Delicious' apple and other cultivars. 037729
Lettuce **head** *maturity* gage [Measuring equipments]. 040476
Pathological growth and *maturation* in **infants** and children associated with modern methods of feeding. 032218
Determination of *maturity* in **'Le** Conte', 'Shoubra' and 'Pine Apple' pear varieties. 037642
A comparison of two pruning methods on *mature* **lemon** trees. 038279
Ribosomal cistrons in higher plant cells. I. A definitive scheme for the *maturation* **pathway** of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus cells. 037894
Physiological studies on salt tolerance in Pisum sativum (L.). III. Growth and *maturation* **[Peas].** 037615
Post *maturity* changes and keeping quality of seedless grapefruit 'Pink Marsh' in relation to the age of harvest. 033345
Sieve-element ultrastructure in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous wall thickening and *maturation* of the **protoplast.** 036267
Comb or wattle size of 10 weeks old cockerels as an indicator of **sexual** *maturity* in selection for egg production. 034568
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during **sexual** *maturation* in the hen (Gallus domesticus). 034669
Regulation of gonadotrophin secretion in rams from birth to **sexual** *maturity*. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to **sexual** *maturity*. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
Results of studies on the **sexual** *maturity* of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837
Histological and cytological study of the tergal gland of Leucophaea maderea and its evolution during the **sexual** *maturation* of the male. 039625
Lack of an effect of caffeine on repair systems in oocytes of Drosophila melanogaster following treatment of *mature* **sperm** with alkylating agents. 039879
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the *mature* **sporophyte** phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
Studies on Sargassum. I. A light microscopic examination of the wound regeneration process in *mature* **stipes** of Sargassum filipendula [Algae]. 036268
Annotated bibliography on **transplanting** *mature* trees, 1932-1975. 038449
Ribosomal cistrons in higher plant cells. II. Sequence homology between the **two** *mature* rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895

MAXILLARY
On secretory proceses and membrane potential of **dogs** *submaxillary* gland. 033956
The occurrence of C19 [carbon] steroids in testicular tissue and *submaxillary* **glands** of intersex pigs in relation to morphological characteristics. 034699
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the cockroach [Periplaneta americana] *maxillary* **palp** as revealed by freeze fracturing. 039673
The significance of palpation by the *maxillary* **palps** of Locusta micratoria (L.): an electrophysiological and behavioural study. 039848
Cation and anion permeability of **rabbit** *submaxillary* main duct. 033932
Spontaneous secretion in the **rabbit** *submaxillary* gland. 033942
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by perfused main duct of **rat** *submaxillary* gland. 033935
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ [potassium] across **rat** *submaxillary* duct epithelium. 033938
The kinetics of Na [sodium] transport in the isolated perfused **rat** *submaxillary* main duct. 033945

MAYETIOLA
Hessian fly *[Mayetiola* **destructor]** biotype distribution, resistant wheat varieties and control practices in hard red winter wheat. 039263

MAZZARDS
Effect of mechanized tree pruning on yield of *mazzard* **cherries.** 038469
Mazzard **cherries** in various soils of the foothills of Dagestan. 038471
On newly bred varieties of *mazzard* **cherries** in the southern Ukraine. 038474

MEADOWS
Data about the influence of fertilizing and irrigation on the quality of **artificial** *meadows*. 041085
Process of drying up and differentiation of peat **bog** *meadows* in the Notec river valley [Soils, reclamation]. 038217
Successions of microorganisms of the overground vegetative mass in *meadow* **communities.** 036184
Effect of *meadow* and **field** utilization on physico-hydrological properties and agricultural value of mineral-muck soils. 040850
The effect of properties of microhabitats formed on various metamorphic schists on vegetation [of *meadows* and **forests].** 036924
Genetic and chemical characteristics of *Meadow* **Gley** soils in the rice fields of Primor'ye. 040825
Entrance of 90 Sr [strontium isotope] into *meadow* **grasses** from different soils of the Nonchernozemic zone [Radioactive contamination]. 033567
System of open and ground waters on *meadows* of the **Huczwa** river valley near Werbkowice. 041464
Change of the floristic composition in some *meadows* under the **influence** of fertilizing. 041084
Some methods for pre-planting preparation of **leached** *Meadow-Cinnamon* soil to winter wheat. 041197
Problems of melioration and *meadow* **management** in river valeys; proceedings of a conference organized by the Committee for Melioration, Meadow Management and Peat Science in Wagrowiec, September 24-26, 1973. 038216
Effect of irrigation of productivity of *meadows* on **muck-peat** and muck-mineral soils. 041463

Improvement of **natural** *meadows* infected with field horsetail (Equisetum arvense). 039090
Alluvial process in reclamation of *meadows* in the **Opatowka** river valley. 038213
Intensification of *meadow* and **pasture** management in Leningrad Region [Farm management]. 031345
Role of nitrogen fertilizers in increasing productivity of *meadows* in **peat** soils of the Ukrainian Polesye. 041126
Effect of reclamation and management on productivity and features of **peatland** *meadows.* 038214
Transformation of *meadow* and **plant** communities within the last few decades as an index of changes in natural and agricultural conditions [in Poland]. 036255
[Meadow] **plant** communities in the Tysmienica river valley before and after regulation of water conditions. 036257
Peculiarities of diurnal and seasonal dynamics of transpiration intensity of *meadow* **plants.** 037375
Transpiration intensity of *meadow* **plants** [in the Leningrad province]. 037377
Plant cover formation on **reclaimed** *meadows* in the Lyna river valley near Olsztyn. 036254
Collembola and other microarthropods of forest and *meadow* **regions** of the Terskei Ala-Too at the lower limit of the spruce ocurrence. 039966
Occurrence and production potential of more important kinds of *meadows* in **river** valleys and their reclamation needs. 038215
Effectiveness of nitrogen fertilizers on alpine **sown** *meadows.* 041125
Seasonal dynamics of the mass of aboveground and underground organs of *meadow* **steppe** plants. 037326
Effect of nitrogen fertilizers on productivity of *meadows* of the **Ukrainian** Polesye. 041123

MEALS

Radiographic evaluation of gastrointestinal tract in buffaloes calves by **barium** *meal* study. 033981
Source and level of phosphorus for growing-finishing swine [in **barley-soybean** *meal* diets]. 034416
The value of meat and **bone** *meal* as the major protein concentrate in the diet of weaners and fattening pigs in the tropics. 034377
Osteogenesis with homogenous **bone** *meal* in fracture repair in a Hariana bull calf—a case report. 035418
Nutritive value of oilseed **cakes** and *meals.* 033526
Nutritive content of **college** *meals.* II. Lipids. 032357
Problem: how to offer low **cost** *meals;* solution: mandatory meal tickets. 032569
Magnesium supplementation of beef cows on pasture with mixtures containing different levels of **cottonseed** *meal.* 034472
Crambe [abyssinica] seed processing: removal of glycosinolates by water extraction **[Crambe** *meal* preparation]. 033551
Economical *meals* for a month. 031990
Apparent amino acid digestibility of **feather** *meal* with laying hens. 034383
A survey on the quality of Indian **fish** *meal* of commerce. 033512
Broiler chicken compound forages mostly with native raw materials. I. Replacement of **fish** *meal* by bird offal and forage yeasts meal at normal protein level. 034533
The oviposition and development of the grain beetle Oryzaephilus mercator faur. on dry **fruit** *meals* (Coleoptera, Cuciyidae]. 039422
Feed concentrates as *meal,* **grain,** or pellets for laying hens? 034433
Grass *meal* production on a specialized farm. 033556
The effect of **grass** *meal* on metabolic processes in the body and on productivity of young cattle. 034523
Irrigated alfalfa for **hay** *meal* [Culture, manufacture]. 038059
Value of **herring-/fish** *meal* [Livestock feed]. 033559
The feedingstuff potential of cashewnut scrap **kernel** *meal* [Rats, swine]. 034370
Problem: how to offer low cost meals; solution: **mandatory** *meal* tickets. 032569
Noon-to-midnight specials: snacks and **mini** *meals.* 032633
Fats, oils and *meals* **plentiful** in 1976. 031580
Maximum dietary level of detoxified **rapeseed** *meal* for the rat. 032293
Using **rapeseed** *meal* as a feed ingredient for pigs. 034253
U. Of Penn. **Salvages** *meal* contracts. 032576
Supervision of tinned-foods freezing; experience in Rostockregion [Meat and **sauce** *meals].* 033098
Incorporation of sunflower **seed** *meal* in bread [to improve nutritional quality]. 032369
Rubber **seed** *meal* as a potential feed ingredient for poultry. 034387
The effects of different *blood-meal* **sources** on digestion and egg production in Culex tarsalis Coq. (Diptera: Culicidae) [Identification of host-blood sources or host preferences]. 039488
Demand for **soybean** *meal* in Denmark. 031576
Effect of **soybean** *meal,* extruded soybeans and ground, raw soybeans on the performance of White Leghorn layers. 034494
Effect of various technological procedures on the feeding properties of extracted **sunflower** *meal* and other commercial products. 034306
World oilcake and *meal* **supplies.** 031648
Tuber *meals* as carbohydrate sources in broiler rations [chickens]. 034378
The production, marketing and utilisation of oilseed cakes and *meals* in **Turkey.** 033530
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage **yeasts** *meal* at normal protein level. 034533
Yellow-seeded rape and turnip rape. II. Breeding for improved quality of oil and *meal* in **yellow-seeded** materials. 036701

MEALWORMS

The cryptonephridial system in the *mealworm* **Tenebrio** molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. 039672

MEALY

Metarrhizium anisopliae (Metch.) Sorokin on **Brinjal** *mealy* bug [Centrococcus insolitus] and its use in the biological control of the pest. 039328

MEALYBUGS

Simple extraction and bioassay of the female sex pheromone of the **citrus** *mealybug,* Planococcus citri. 039315
Notes on the **vine** *mealybug* [Planococcus ficus] (Homoptera: nufacture]. 039344

MEASLES

Studies on the evaluation of the *measles* **haemagglutination-inhibition** test for rinderpest in Gujarat State [Cattle]. 035086

MEAT

Reactions of nitrous acid and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents [Food **additives,** *meats].* 031982
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of *meat* **adhesiveness** to the casing. 032766
Effect of chemically **adjusted** *meat* pH [hydrogen-ion concentration] and drying air velocity on some properties of dry sausage. 033090
Views of the **American** *Meat* Institute on inflation in the agriculture and food industry. 031645
Short-term change in a population of the *meat* **ant** Iridomyrmex purpureus (Hymenoptera: Formicidae). 039633
Short-term change in a population of the *meat* **ant** Iridomyrmex purpureus (Hymenoptera: Formicidae). 039634
Dispersion and history of a population of the *meat* **ant** Iridomyrmex purpureus (Hymenoptera: Formicidae) [Geographical distributions]. 039988
Dispersion and history of a population of the *meat* **ant** Iridomyrmex purpureus (Hymenoptera: Formicidae). 039989
Differences in the chemical composition of *meat* and its **biological** value in the hybrids Hybro B, Ross and Hubbard [Poultry]. 033136
The value of *meat* and **bone** meal as the major protein concentrate in the diet of weaners and fattening pigs in the tropics. 034377
Microbial contamination of *meat* in **boning** and packing rooms. 032117
Streamlining the hog, an abused individual [**Breeding** for *meat].* 034871
A method for estimation of *meatiness* in **broilers.** 033129
Comparative study: carcass and *meat* **characteristics** in young bulls of the Campine Red Pied and Charolais breeds slaughtered at the age of 16 months. 033038
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and *meat* **characteristics** of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Trace elements content in **chicken** *meat.* 032501
Trials to isolate viral agents [Newcastle virus] from **chicken** *meats;* thoughts on their characteristics. 035049
Muscle pigment and *meat* **color.** 033060
Genetic parameters estimated on data from the Swedish pig progeny testing with special emphasis on *meat* **colour.** 034827
The world food crisis—the Watergate of animal agriculture [Cattle production, *meat* **consumption].** 031678
The world food problem and *meat* **consumption** in industrialized countries. 031792
The *meat* **content** of Konigsberger Klops, Kohlroulade und stuffed peppers. 033075
Dry sausage and raw meat products. II. Raw meat products. Smoking and storage of raw **cured** *meat.* 033057
Physical guide values in meat technology. III. 7. Dry sausage. 8. Raw **cured** *meat* products. 033061
Physical guide values for meat technology. II. 4. Cooked **cured** *meat* products. 5. Liver sausage. 6. Blood sausage. 033062
Studies on estimating the **daily** *meat* gain in swine by means of the loin-fat quotient, with consideration of net increase. 033674
Possible ways of checking the closure of aluminium containers for *meat* **dishes** and sausage products. 033065
A soil scientist's view of **eating** *meat* [Fertilizers]. 041013
Meat **exportation** [Foreign trade, Argentina]. 031546
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to *meat* **extract** stimulation in anaesthetized cats. 034078
Studies on adhesion of **fish** *meat* products to casing in fish sausage and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on adhesion of **fish** *meat* products to casing in fish sausage and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. 032766
An entomological contribution to the problem of **fly-infected** *meat.* A few biological data on Piophila and Calliphora. 031996
Preparation and handling of meat and *meat* **food** products [Inspection standards and regulations]. 032064
The history and use of nitrate and nitrite in the curing of *meat.* [**Food** flavoring]. 033078
Inspection of **fresh** *meat* at destination. 032061
Physical guide values for meat technology. I. 1. **Fresh** *meat.* 2. Frozen meat. 3. Frankfurter-type sausages. 033063
The effect of lactic acid [as a preservative] on the bacterial flora and the color of **fresh** *meat.* 033072
Application of quantitative television microscopy for studying **frozen** *meat* structure. 033046
Drying of *meat* **frozen** under vacuum in a liquid cooling medium. 033048
Physical guide values for meat technology. I. 1. Fresh meat. 2. **Frozen** *meat.* 3. Frankfurter-type sausages. 033063
A buyer's view of the **future** for *meat.* 031579
Determination of sulphydryl and disulphide groups in proteins by amperometric titration. [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH **groups** *[meat].* 033114
The problem of effective inspection of *meat* for **harmful** substances. 032008
Decline of animal power and rearing of solipeds, mechanization of agriculture: For large scale production of *meat* **horses,** creation of meat type breeds. 034610
The importance of some mineral substances in *meat* [**Human** nutrition]. 032225
Tasks in order to meet requirements of *meat* **hygiene.** 032028
Notes on some hygienic parameters in the production of Czabayka sausages under conditions of *meat-processing* **industrialgroup.** 032143
Achievements and outlook in the *meat* **industry.** 031910
State of *meat* **industry** and its demands from agriculture. 033083
Environmental problems in the *meat* **industry** [Waste disposal]. 041589
Precleaning of wastewater in *meat* **industry** plants by means of the "Hydrasieve" equipment. 041685
Dimethylnitrosamine in souse and similar **jellied** *cured-meat* products. 032011
General and specific combining ability of *meat* **lines** of hens in diallele crosses. 034809
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and **livestock** *meat].* 033131
Improving cooperation with the trade *[Meat* **marketing,** consumer preferences]. 031686
Export trade in *meat* and **meat** products within the OECD [Organization for Economic Cooperation and Development] area. 031588
Advice on calculations and conversions when applying the *meat* and **meat** products regulations. 031995
Factors arising during distribution and sale that make *meat* and **meat** products unattractive or repulsive to the buyer. 032002
Preparation and handling of *meat* and **meat** food products [Inspection standards and regulations]. 032064
Palletizations of *meat* and **meat** products. 033085
Possible relationships between shear, tensile, and adhesion properties of *meat* and **meat** structure. 033094
Testing bulls by their descendants, to assist the selection activity, aiming the increase of *meat* and **milk** production. 034801
On the rheology of **minced** *meat.* 033093
Presence of inhibiting substances in the *meat* and **organs** of livestock killed in a sanitary slaughterhouse. 034944
Detection of Yersinia enterocolitica in the feces and *meat* of **pigs,** bovines and poultry. 035062
Sulphhydryl and disulphide groups in PSE [pale, soft, exudative] *meat* **[Pork].** 032005
New ways to make *meat* & **potatoes.** 032625
Biological structure of **poultry** *meat* frozen in liquid nitrogen and in air. 033122
The effect of salting on the microbiology of **poultry** *meat.* 033132
Official limits to storage times for **pre-packed** *meat* and sausage products. 032004
Microbiological standards—are they realistic? [Quality or safety of fresh or **processed** *meats].* 032021
Smoke production with the friction smoke generator *[Meat* **processing].** 033067
High-quality milk and *meat* from all **producers** [Competition, farm management]. 031328
1975 *meat* **production** down 3 percent, world trade continues restricted [Statistics]. 031596
Sheep and goats for *meat* **production** under tropical conditions. 033678
Meat **production** from buffalo male calves at different ages [Fattening]. 034265
Relationship of serum transferrin type to *meat* **productivity** of Japanese Black cattle. 034090
Meat **productivity** and skin quality of calves: crosses of Bulgarian Red cattle with Charolais and Hereford. 034873
Export trade in meat and *meat* **products** within the OECD [Organization for Economic Cooperation and Development] area. 031588
Evolution of *meat* **products** handling and transportation. 031666

Advice on calculations and conversions when applying the meat and *meat* **products** regulations. 031995
Detecting the addition of phosphates to *meat* **products.** 031998
Factors arising during distribution and sale that make meat and *meat* **products** unattractive or repulsive to the buyer. 032002
The use of sequential test plans for factory supervision of the quality of *meat* **products.** 2. Examples of the use of sequential three-decision plans. 032009
Complex measures for high quality of *[meat]* **products.** 032104
Contemporary and future demands on examination of *meat* **products** [Quality control]. 032139
An analysis of *meat* **products** as possible factors responsible for transmission of dysenterial affections of the toxinfectional type [Shigella sonnei]. 032147
Determining the caloric content of *meat* **products.** 032224
Can protein hydrolysates simulate a higher protein content in *meat* **products?** 033056
Problems encountered in smoking meat and *meat* **products.** 033066
The *meat* **products** industry. 033076
Palletizations of meat and *meat* **products.** 033085
Different development standpoints of some new kinds of *meat* **products.** 033116
Studies on the histostructure of skeletal musculature and some *meat* **qualities** of sows raised under different exercise regimes. 034246
The feeding of alfalfa juice and the *meat* **quality** in swine [Pork]. 034524
Dry sausage and **raw** *meat* products. II. Raw meat products. Smoking and storage of raw cured meat. 033057
Dry sausage and **raw** *meat* products. II. Raw meat products. 033058
Checks on ready packaging in accordance with the new ready-packaging **regulations** *[Meat].* 031997
Influence of selection, age, sex and feeding on *meat* **retention** and fat content of ducks. 033670
Cleaning and **sanitizing** *meat* trailers [Control of microbialcontamination in transport]. 032059
Supervision of tinned-foods freezing; experience in Rostockregion *[Meat* and **sauce** meals]. 033098
The determination of 3,4-benzopyrene in **smoked** *meat* products [Contamination]. 032006
Problems encountered in **smoking** *meat* and meat products. 033066
Possible relationships between shear, tensile, and adhesion properties of meat and *meat* **structure.** 033094
Physical guide values in *meat* **technology.** III. 7. Dry sausage. 8. Raw cured meat products. 033061
Physical guide values for *meat* **technology.** II. 4. Cooked cured meat products. 5. Liver sausage. 6. Blood sausage. 033062
Physical guide values for *meat* **technology.** I. 1. Fresh meat. 2. Frozen meat. 3. Frankfurter-type sausages. 033063
The present status and future tasks of *meat* **technology.** 033077
Basic investigations into beef tenderness estimation. 1. Methodological studies on *meat* **tenderness.** 033043
Objective-subjective assessment of *meat* **tenderness.** 033092
Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of **thawed** *meat,* and upon cooking. 032773
Meat **thermometers,** aid or gadget? 032664
Austria's 1974 export **trade** in *meat.* 031587
Quality of on-board frozen **tuna** *meat* with reference to freshness of the fish and the freezing conditions. 032752
Decline of animal power and rearing of solipeds, mechanization of agriculture: For large scale production of meat horses, creation of *meat* **type** breeds. 034610
Cooling and freezing times and weight losses of *meat* under **U.k.** [United Kindgom] commercial conditions. 033047
Meat: towards better **understanding** of the mechanism of weight loss. 033051
Refrigeration & transportation *[Meat* and **vegetable** products]. 032843
Biochemical differences between the fed and **white** *meat* of tuna and changes in quality during freezing and storage. 032792
Trends in the **wholesale** *meat* market. 031591
Rebound in **world** *meat* trade seen for 1976. 031608

MECADOX

Testing of *Mecadox,* a **nonantibiotic** growth stimulant, for swine fattening in field conditions. 034519
A preliminary evaluation of *mecadox* [in **pig** feeds]. 034459

MECHANICS

Effectos on the soil of *mechanical* **cultivation** and fertilizer levels applied to sugarcane ratoons. 040571
[Mechanical **damage]** to sunflower seeds [at harvesting]. 038208
[Mechanical **damage]** to soybean seeds [at harvesting]. 038209
Regeneration in winter wheat varieties differing by winter hardiness after *mechanical* **damages.** 038976
Technical and economical aspects of *mechanical* **delimbing** and debarking [of trees]. 035698
Conversion and disposal of placentas by *mechanical* **disintegration** in industrial swine production plants [Sanitation]. 034921
A *mechanical* **dissociation** method for preparation of muscle cell cultures [Chick embryos]. 034044
Using ethephon for **easier** *mechanical* harvest of sweet cherries. 038325
Utilization of materials science to achieve a better understanding of the *mechanics* of **food** texture evaluation. 032872
Control in internal browning of 'Schmidt' sweet cherries [due to bruising during *mechanical* **harvest]** by handling in water. 033385
Mass sorting of *mechanically* **harvested** tomatoes. 033448
[Mechanical] **harvesting** and handling of crisphead lettuce. 033407
Mechanical **harvesting** of Brussels sprouts, with suggestionsfor cultural methods. 038069
Ethylene-releasing compounds to loosen olive fruits for *mechanical* **harvesting** [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. 038362
Mechanical **harvesting,** handling and related research [Harvester performance]. 040477
Dates and methods for urea and ammonium nitrate application to irrigated maize on soils having a **heavy** *mechanical* composition. 041030
Applying of mineral fertilizers during *mechanical* **hoeing** of crops. 040518
Cell isoperoxidases in sweetpotato plants in relation to *mechanical* **injury** and ethylene. 037809
Physico-mechanical **properties** of the wood of Alnus barbata C.a.m. 035817
Cell wall structure and *mechanical* **properties** of Phycomyces[Fungi]. 036319
Mechanical **properties** of some larval cuticles [Agenius zebra, Bombyx mori]. 039841
Pulp for hemp paper: *mechanical* **pulp** and mechano-chemical pulp [Analysis, properties]. 033197
A review of *thermo-mechanical* **pulping.** 035850
Effects of *mechanical* **scarification,** seed position and gibberellic acid on germination in Cherimoya (Annona cherimolia Mill). 037835
Chemical and *mechanical* **scrub** control methods. 039145
Associated and non-associated visco-plasticity and plasticity in **soil** *mechanics.* 040584
The role of ground improvement in foundation engineering **[Soil** *mechanics].* 040591
Thermal and *mechanical* **treatment** of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
On the 50th anniversary of the Faculty of *Mechanical* **Wood** Technology of the Order of Lenin S. M. Kirov Leningrad Forest Engineering Academy. 035486

MECHANIZATION

Advanced *mechanization* operations for grocery warehouses; an evaluation and projection. 032722
Summary report on **agricultural** *mechanization* and development in **indigenous** farm machinery production in Thailand. 040404
The reorientation of **agricultural** *mechanization* for the developing countries. 1. Policies and attitudes for action programs. 040405
Decline of animal power and rearing of solipeds, *mechanization* of **agriculture:** For large scale production of meat horses, creation of meat type breeds. 034610
Decline of animal power and rearing of solipeds, *mechanization* of **agriculture:** Study of the ass (and its hybrids) for slaughter. 034611
The international machine system and *mechanization* of **agriculture** in the Czechoslovak Socialist Republic. 040482
Mechanization of **agriculture** [Research projects, Italy]. 040487
Outlook for *mechanization* of **animal** production in the sixth Five-Year Plan. 031927
Classification and choice of *mechanized* **brigades** for determination of demand for special equipment and machines. 031389
Mechanization of **cattle** fattening units. 040480
Full feed and *mechanization* in **cattle** feeding [Equipment]. 040493
Joint solution of problems of **complex** *mechanization* of forest tasks. 035789
Effectiveness of **complex** *mechanization* of production processes in animal production. 040479
Mechanized **direct-seeding** of rice adapted to heavy rainfall condition in southeastern Japan. 038052
State and characteristics of *mechanization* in **drug** plant culture. 040475
Agricultural engineering and productivity **[Farm** *mechanization].* 040397
Level of tractor power utilization on different operations **[Farm** *mechanization].* 040401
Resource productivity on selected [mechanized and *non-mechanized]* **farming** areas on Punjab. 031240
Agricultural technique in India as example of a *development[Mechanization* of **farming].** 040398
Mechanization of **fecal** diagnosis for verminosis [Livestock]. 035245
Mechanized **flow** line for culture of planting stock [Silviculture]. 035664
Latvia: principles of management **[Forestry,** *mechanization].* 035583
Mechanization of the **grape** harvest in the Cognac area. 040528
The SZU-1-000 general-purpose grinder *[Mechanization,* **grape** culture]. 040534
Mechanized **harvesting** of plums for processing; results of trials with a prototype [of machinery] constructed by the Institute of Fruit Culture of the University of Bologna. 038384
A prototype of a machine for the *mechanized* **harvesting** of strawberries. 040486
Organization of *mechanized* **harvesting** in sunflower stands. 040522
On some problems of *mechanized* **harvesting** of tomatoes. 040542
Large *mechanized* farming in the Sudan. 031395
Resource productivity on selected *[mechanized* and **non-mechanized]** farming areas on Punjab. 031240
Organizing *mechanized* harvesting of soybeans and kidney beans. 040523
Mechanization for **peach** orchard management. 040491
Systematizing the tomato, or more punch for pizza [Varieties for **processing,** *mechanization].* 038533
The ways of economizing material and technical resources in reclamation construction [through *mechanization* and **proper** organization]. 040363
Demonstration of a *mechanized* **straw** harvest [Equipment]. 040497
Improvement of labor organization and wages in *mechanized* **teams** [in fiber flax growing farms]. 031355
Mechanized **testing** of grafted grape seedlings in cross-section [Propagation]. 038472
Effect of *mechanized* **tree** pruning on yield of mazzard cherries. 038469
Development prospects of *mechanization* of **vegetable** production. 040478
Bearings of modern enology in the sphere of *mechanized* **vinification** with autovinificators. 033326
Agriculture and *mechanization* in **West** Africa and South-East Asia: a comparison. 040399

MECHANORECEPTORS

The effect of various pattern of stimulation on the activity of the *mechanoreceptors* in **Achet** a domesticus L. 039608

MECOPTERA

Descriptions and distributional records of **African** *Mecoptera* [Bittacus erythrostigma, Bittacus tuxeni, new taxa]. 036034

MEDICAGO

Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in **alfalfa** *(Medicago* sativa L.) seedlings. 037480
Content and chemical composition of saponins in three local varieties of hybrid **alfalfa** *(Medicago* media Pers.). 037500
Occurrence of downy mildew on **alfalfa** *(Medicago* sativa) in the Punjab. 038659
The bees (Apoidea, Hymenoptera) on **alfalfa** *(Medicago* media Pers.) plantations. I. The species composition and variation of flights. 039697
The bees (Apoidea, Hymenoptera) on **alfalfa** *(Medicago* media Pers.) plantations. II. Trophic relationship to vegetation [Pollination]. 039698
Cytogenetic research on hexaploid alfalfa, *Medicago* **sativa** L. 036414
Storage of *Medicago* **sativa—**results obtained from a test under controlled conditions of temperature and humidity [Alfalfa, germination]. 037560

MEDICAL

A *medical* **approach** to adrenal gland problems: a report of three cases. 035333
Integration of nutrition in *medical* **education.** 032600
Nutrition as part of the *medical* **school** curriculum. 032469
Insect growth regulating agents for control of arthropods of *medical* and **veterinary** importance. 039478

MEDICINE

Vegetative history of Cinnabar Park in *Medicine* **Bow** National Forest, Wyoming [as related to soil characteristics]. 040784
Bush *medicine* in the Exumas and Long Island, Bahamas; a field study. 035918
Medicinal **flora** of Mount Peglia (Umbria). 035958
Medicinal **flora** of Mount Malbe (Umbria). 035959
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, Doctor of *Medicine],* **pioneer** in the area of prevention of botulism [Clostridium botulinum];. 032145
The herbarium of the All-Union Scientific Research Institute of *Medicinal* **Plants.** 035915
Studies on constituents of *medicinal* **plants.** XV. The constituents of the bark and wood of Wisteria floribunda DC. 037070
Natural products from *medicinal* **plants.** XX. Scutellarioside-I and -II, a 10-cinnamoyl-and 10-(4-hydroxycinnamoyl) from Scutellaria altissima L. 037081
Diagnostic radiology: its utilization in nonhuman **primate** *medicine* [Laboratory animals]. 034909
Professor K. F. Meyer, D.V.M., M.D. [Doctor of **Veterinary** *Medicine,* Doctor of Medicine], pioneer in the area of prevention of botulism [Clostridium botulinum];. 032145
Influence of **veterinary** *medicine* on the intensification of industrial livestock production by speeding up scientific and technological advances. 034923
Method of spectral analysis in **veterinary** *medicine.* 034935
Speicialized **veterinary** *medicine* in concentrated swine rearing. 034948
Use of analytical tables for diagnosis in **veterinary** *medicine.* 034951

MEDULLA
Catecholamine release from bovine **adrenal** *medulla* in response to maintained depolarization. 034072
Activity of *medullary* **respiratory** neurones during reflexes from the lungs in cats. 034172

MEGACHILE
Leaf-cutters *[Megachile]* of the **serpentine.** 039807

MEGAGAMETOPHYTES
The development of the *megagametophyte* in **Chrysanthemum** maximum R. 036281

MEGASPOROGENESIS
Megasporogenesis and **microsporogenesis** in Vicia faba [Broadbeans]. 036292

MEIOSIS
Meiotic **behaviour** of single-arm tetrasomic combinations of isochromosomes, telocentrics and normal chromosomes in rye (Secale cereale L.). 036416
Meiotic **chromosome** pairing in interspecific hybrids of Nicotiana. I. Comparative pairing of hybrids in section suaveolentes. 036607
Meiotic **chromosome** pairing in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of genotype on pairing. 036608
The timing of *pre-meiotic* **chromosome** pairing and duplication in Glossina morsitans morsitans assessed by radiation induced mutations. 039688
The mitotic, polytene, and *meiotic* **chromosomes** of Drosophila ananassae. 039854
Meiosis and **fertility** of pollen in rye triploids obtained when cultivating embryos. 036705
Cytomixis in *meiosis* in some **hybrid** forms of the subtribe Triticinae. 036668
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in *post-meiotic* **male** germ cells [Mice]. 034758
Genetic analysis in the dinoflagellate Crypthecodinium (Gyrodinium) cohnii: evidence for **unusual** *meiosis* [Algae]. 036623
Meiosis in **variegated** and anthocyaninless varieties of Rhoeo [spathacea]. 036570
The effect of chloramphenicol and cycloheximide on *meiotic* **zoosporogenesis** and mitotic gametogenesis in Ulva mutabilis [Algae]. 036413

MELAMPSORA
Note on epidemiology and control of popular [Populus nigra]leaf rust *[Melampsora* **laricipopulina].** 038753
Observations on the fine structure of the haustorium of *Melampsora* **pinitorqua** (A. Br.) Rostr. in cells of Pinus pinea L. 036298

MELANINS
Melanin **like** compound in the sclerotia of Macrophomina phaseolina [Soybeans]. 038698

MELANISM
A *melanic* **specimen** of Harpalus (Ophonus) schaubergerianus Puel (rufibarbis auctt.) (Coleoptera, Carabidae) from Suffolk. 040009

MELANOCYTES
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH *[melanocyte-stimulating* **hormone],** and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. 033885

MELANOSIS
Radiation-induced **increased** *melanosis* in crustacean shellfish [Shrimp, lobster]. 032902

MELANOSPORA
The difference in lipid composition between Tuber magnatum Pico and **tube** *melanosporum* Vitt [Truffles]. 033446

MELATONIN
The effects of indoleamines (serotonin and *melatonin)* on **induction** of ovulation in rabbits. 034543

MELENGESTROL
Effect of *melengestrol* **acetate** on the hematology of buffalo calves. 033977
Zeranol implantation in grazing heifers and in combination with *melengestrol* **acetate** in feedlot-fed heifers. 034482

MELIORATION
Problems of *melioration* and **meadow** management in river valeys; proceedings of a conference organized by the Committee for Melioration, Meadow Management and Peat Science in Wagrowiec, September 24-26, 1973. 038216

MELIPONA
Biology of *Melipona* **beecheii** B. (Hymenoptera: Meliponini), a bee of Mexico: an experimental study of caste determination. 040191
Sex determination in bees. IV. Genetic control of juvenile hormone production in *Melipona* **quadrifasciata** (Apidae). 040225

MELIPONINI
Biology of Melipona beecheii B. (Hymenoptera: *Meliponini),* a **bee** of Mexico: an experimental study of caste determination. 040191

MELODINUS
Revision of the strucure of melobaline [isolated from *Melodinus* **balansae].** 037297

MELOIDOGYNE
Studies on resistance of rice to the attack of *Meloidogyne* **graminicola.** 039084
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by *Meloidogyne* **incognita** (Kofoid and White, 1919) Chitwood, 1949. 038914
Effect of extracts and distillates of amended soil on the activity of *Meloidogyne* **javanica** [Okra, tomatoes]. 039003
Meloidogyne **microtyla** [root-knot nematode] sp. Nov. From southwestern Ontario, Canada. 038967
Cellulase secretion by second stage larvae of the root-knot **nematode** *(Meloidogyne* javanica) [Tomatoes]. 039032
Pathogenicity and control of root-knot **nematodes** *(Meloidogyne* spp.) infecting chickpea. 039037

MELOLONTHIDAE
Starling (Sturnus vulgaris L.) predation on grass grub (Costelytra zealandica (White), *Melolonthinae)* **populations** in Canterbury [Biological control]. 039295

MELONS
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, *melons,* **celery,** onions, bacteria, molds]. 038859
Filth fly [Musca domestica] sources in **decaying** *melon* fields in southern California's low deserts [Spalangia, biological control]. 039323
Isolation and characterization of a proteinase from the sarcocarp of *melon* **fruit.** 037765
Quality problems of South American **honeydew** *melons* imported into Britain [Contamination]. 032135

MEMBRANES
Analog circuit of the **Acetabularia** *membrane* [Algae]. 037054
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the *membranes* of **adrenal** chromaffin granules [Cattle, rabbits, rats]. 034118
Biosynthesis of **basement** *membrane* collagen by rabbit corneal endothelium in vitro. 034037
Permeation of certain milk components through the **cell** *membrane* of mammary glands. 034139
Organization of inner mitochondrial and **chloroplast** *membranes.* 036966
Trypsin-sensitive photosynthetic activities in **chloroplast** *membranes* from Chlamydomonas reinhardi, y-1 [Algae]. 037021
Preservation of **chloroplast** *membranes,* in vitro [Spinach]. 037739
Chloroplast *DNA-membrane* complex in Pisum sativum [Peas]. 037744
A fluorescent probe study of the lipid mobility of *membranes* **containing** sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
Origin of di-isobutyl phthalate, a contaminant mimicking nonadecenoic acid in fatty acids of **egg** *membrane* lipids. 033124
Synthesis of sluble, thylakoid, and **envelope** *membrane* proteins by spinach chloroplasts purified from gradients. 037641
Pig heart mitochondrial ATPase [adenosine triphosphate]: properties of purified and *membrane-bound* **enzyme.** Effects of flavonoids. 033821
Isolation of the terminal complement complex from target sheep **erythrocyte** *membranes.* 033803
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in *membrane* **fragments** from a blue-green alga [Nostoc muscorum]. 036813
Effects of magnesium and chloride ions on light-induced electron transport in *membrane* **fragments** from a blue-green alga [Nostoc muscorum]. 036815
Ultrastructure of the milk fat **globule** *membrane* with and without triglyceride. 032952
Lipid composition and protein profiles of outer and **inner** *membranes* from pig heart mitochondria. Comparison with microsomes. 033805
Procollagen biosynthesis and *polyribosome-membrane* **interactions** in embryonic chick tendon cells. 034205
Development of **mitochondrial** *membranes* in anaerobically grown yeast cells [Saccharomyces cerevisiae]. 037016
X-ray diffraction from oriented outer **mitochondrial** *membranes.* Detection of in-plane subunit structure [Mung beans, potatoes]. 037658
Localization of DNA replicator sites near the **nuclear** *membrane* in plant cells [Haplopappus gracilis]. 036308
Hematological studies on grazing cattle with petechia on the visible **mucous** *membrane* [Bracken poisoning]. 035423
Separation and some properties of the inner and **outer** *membranes* of yeast mitochondria [Saccharomyces carlsbergensis, Saccharomyces cerevisiae]. 037109
Biochemical characteristics of the **outer** *membranes* of plant mitochondria [Mung beans, potatoes]. 037650
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, proton flux and phosphorylation in the **photosynthetic** *membrane* [Spinach]. 037655
Comparison of early embryonic and differentiating cell surfaces: interaction of lectins with **plasma** *membrane* components [Chick blastoderm]. 033790
Developmentally regulated proteins of the **plasma** *membrane* of Dictyostelium discoideum. The carbohydrate-binding protein[Fungi]. 037056
Isolation of **plasma** *membranes* from corn roots by sucrose density gradient centrifugation: an anomalous effect of Ficoll. 037522
The biosynthesis of **plastid** *membrane* system proteins during the biogenesis of chloroplasts [Maize]. 037396
Membrane **potential** changes and secretion in parotid glands. 033954
Membrane **potential** and conductance measurements in mouse and rat pancreatic acinar cells. 033955
On secretory proceses and *membrane* **potential** of dogs submaxillary gland. 033956
Effect of adenine and imidazole derivatives and indolylacetic acid on *membrane* **potential** of the cells of root hair in Trianea bogotensis. 036939
Membrane **potentials** and activity of potassium ions cells of tobacco tissue cultures. 037584
Densities of bacteria and fungi in coastal surface films as determined by a *membrane-adsorption* **procedure.** 036233
Selective solubilization with sodium deoxycholate of *membrane* **proteins** from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. 038890
Membrane-bound **receptors** for plant hormones [Maize]. 037594
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk **sac-serosal** *membrane* [Chicken eggs]. 033733
The *membrane* of **secretory** granules: structure, composition and turnover. 033963
Study of the dynamics of formation of the **surface** *membrane* in isolated microdroplets of cytoplasm of Phycomyces blakesleeanus [Fungi]. 036307
Cellular contacts in the **synovial** *membrane* of the cat and the rabbit: an ultrastructural study. 033856
The mechanism of auxin action on *membrane* **transport** of hydrogen ions [Maize]. 037589
Membrane **treatments** of cider making and starch industry wastewaters. 041466
Significance of **triton-extractable** *membranes* for IAA [indoleacetic acid]—chromatin interactions [Peas]. 037887
Inactivation by detergents to the proline transport system in *membrane* **vesicles** from Escherichia coli and its reactivation by bovine serum albumin. 033799
Contributions to an analysis of the avian **vitelline** *membrane's* potential to promote outgrowth of the yolk sac-serosal membrane [Chicken eggs]. 033733

MEMORY
The Botanical Institute of the USSR Academy of Sciences during the first year of the Great Patriotic War (To the *memory* of **comrades-botanists** killed in the war of 1941-1945). 035914
In *memory* of **Filippo** Usuelli [Veterinarians]. 034881
In *memoriam:* **Geurt** Hupkes [Veterinarians]. 034929
In *memory* of **Harold** Castle Fletcher [Iris culture, Great Britain]. 038489
In *memory* of A. L. **Kurentzov** (1896-1975) [Entomologists]. 039712
In *memory* of **Professor** Elvio H. Sadun [Parasitologists]. 034982

MENTHA
Effect of rock phosphate in cojunction with organic matter in increasing the essential oil contents of *Mentha* **arvensis.** 038547
Contribution to the agrotechnics of **peppermint** *(Mentha* piperita L.) growh as a biennial crop. 038555
On the variability of essential oil quantity and quality in *Mentha* **piperita** L. 037828

MENUS
Almondized *menus* win patrons' ayes. 032628
Pilgrims discover **America's** *menu* riches. 032698
1975 *menu* **census.** 032579
A **computer-tallied** *menu* system. 032616
Presto-chango: turn leftovers into *menu* **magic.** 032635
Is the *menu* all **right** for your child? [Nutrition]. 032382
Computerizing your *menu* **selections.** 032615
Menus for **toddler** day care: food preference and spoon use. 032511
Citrus: golden fruit on the *menu* **yields** gold. 032629

MERCATOR
The oviposition and development of the grain beetle **Oryzaephilus** *mercator* faur. on dry fruit meals (Coleoptera, Cuciyidae). 039422

MERCURY
Research on the poisoning of chickens by *mercury* **administered** with drinking water. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological 035402
Mercury and mink. I. The use of *mercury* **contaminated** fish as a food for ranch mink [Toxicity]. 035399

DNA breakage caused by **dimethyl** *mercury* and its repair in a slime mould, Physarum polycephalum [Fungi]. 037131
Mushrooms as indicators of *mercury* **emissions** in the vicinity of a chlor-alkali plant. 041683
Mercury in **environment** of southern Lower Saxony. 041621
Determination of micro-amounts of *mercury* in **fish** [Contamination]. 032148
National marine fisheries service preliminary survey of selected seafoods for *mercury*, **lead**, cadmium, chromium, and arsenic content [Contamination]. 032070
Studies on tea. I. Contents of *mercury*, **lead**, and cadmium in tea leaves and tea decoctions [Toxic trace elements]. 032157
The protective effect of vitamin E and selenium against **methyl** *mercury* toxicity in the Japanese quail. 034457
Mercury and mink. II. Experimental **methyl** *mercury* intoxication. 035400
Prolonged oral administration of **methyl** *mercury* chloride to rainbow trout (Salmo gairdneri) fingerlings. 039345
Mercury and **mink.** I. The use of mercury contaminated fish as a food for ranch mink [Toxicity]. 035399
Mercury and **mink.** II. Experimental methyl mercury intoxication. 035400
Behavior of *mercury* in **natural** systems and its global cycle. 041511
Mercury in some **New** Zealand waters [Quality]. 041363
Lead and *mercury* **residues** in kidney and liver of Canadian slaughter animals. 031977

MERGERS

Re-evaluation of Cupressaceae and Taxodiaceae: a **proposed** *merger*. 036056

MERISTEMS

Morphological and physiological characteristics of the **apical** *meristem* of the shoot of Quercus robur at various stages of ontogeny. 036331
Effect of some aromatic amines of mitotic activity of *meristematic* **cells** of maize and bean roots. 037373
Study of the RNA and protein synthesis in *meristems* of **potato** tubers and the effect of growth regulators of a phenylic nature on these processes. 037683
A comparative study of the quiescent center and **primary** *meristematic* tissues in the roots of maize and horsebeans. 036368
Tritiated-thymidine induced changes in cell population kinetics in **root** *meristems* of Pisum sativum [Peas]. 039054
Meristem-tip in **vitro** culture of Cattleya sp. 037839

MERMITHIDAE

Studies on the bionomics of *mermithid* [**Neomesomermis** flumenalis]. 039666

MERREMIA

Effect of light on seed germination and seedling growth of *Merremia* **species.** 036945

MESENTERY

Histamine receptors in the **cat** *mesenteric* circulation. 033893

MESH

Umbilical hernia repair with **mersilene** *mesh* [Dogs]. 034918

MESOPHYLL

The age of chloroplasts in *mesophyll* of **deciduous** and evergreen plants. 036370
Regeneration of haploid and diploid Datura innoxia Mill. *Mesophyll* **protoplasts** to plants. 036716

MESOSTIGMATA

The Phytoseiidae (Acarina: *Mesostigmata)* of **Puerto** Rico [New taxa]. 040088

MESOTHORAX

Developmental compartmentalization in the **dorsal** *mesothoracic* disc of Drosophila. 040217

MESOZOIC

More evidence for a slender growth habit in *mesozoic* **cycadophytes** [Ischnopyton iconicum, Leptocycas gracilis]. 036130
The *mesozoic* **gymnosperms.** 036133

MESQUITE

Comparison of batch and semicontinuous cultures for production of protein from *mesquite* [**Prosopis**] wood by Brevibacterium sp. JM98A [Feed]. 033506

METABOLISM

Metabolic **abnormalities** in obesity: effect of exercise. 032294
The influence of fat mobilizing substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic **acid** *metabolism* in the laying hen. 033989
Recent findings on regulation of carbohydrate and fatty **acid** *metabolism* in ruminants. 034750
Nucleic **acid** *metabolism* in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Degradation of flavonoids and isoflavones *[metabolically* **active** plant constituents], a review. 036796
Fat metabolism in higher plants. The function of acyl thioesterases in the *metabolism* of **acyl-coenzymes** A and acyl-acyl carrier proteins. 036782
Influence of reduced diets on the glucose-6-phosphate-dehydrogenase activity of the fatty tissue in patients with *metabolic-alimentary* **adiposity.** 032491
Metabolism of **aldicarb** by five soil fungi [Degradation]. 039563
Metabolism of **amino** acids in bean plants under the deficit of magnesium and calcium in the nutritive medium. 037852
Metabolism of **3-amino-1,2,4-triazole** [herbicides] in rats. 039100
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the milk production of dairy cows: energy efficiency, digestive and *metabolic* **aspects.** 034288
Metabolism of **5beta-pregnane-3,20-dione** and 3beta-hydroxy-5beta-pregnan-20-one by Digitalis [purpurea] suspension cultures. 037170
Some *metabolic* and **biochemical** characteristics of representative microbial isolates from vacuum-packaged beef [Food bacteria]. 032076
Temperature-induced changes in *metabolism* and **body** weight of cattle (Bos taurus). 033850
Role of catecholamines in thyroxine-induced changes in *metabolism* and **body** temperature during exercise in dogs. 033896
Effect of oral contraceptives and vitamin B6 deficiency on **carbohydrate** *metabolism*. 032176
Carbohydrate *metabolism* in sheep endometrium during early pregnancy. 033875
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on **carbohydrate** *metabolism*, amylase activity and respiration in sprouting potato. 037617
Effect of the nitrogen source on the activites of key enzymes of **carbohydrate** *metabolism* in cultured plant cells in vitro [Acer pseudoplatanus]. 037939
Carbohydrate-fat *metabolism* in the digestive system of calves fed milk with the addition of formaline. 034488
Metabolism of 14C [**carbon** isotope]-glutamic acid and 14C-DL-arginine in chickens with different genotypes of the blood catalase. 033883
Photosynthetic **carbon** *metabolism* in certain plants of Vaigatch Island. 036842
Localisation of **carbon** *metabolism* in two assimilation tissues of maize leaf. 037443
Nonmetabolic **catalysis** of 14C [carbon isotope]-furfuryl amino purine (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Certain *carbohydrate-metabolism* enzymes in the nodules of yellow lupine. 037354
The influence of some dietary factors on **cholesterol** *metabolism*. 032450
Chondrocyte *metabolism* as affected by vitamin A [Chick embryos]. 033843
Studies on *metabolism* of **ciliatine** (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria [Escherichia coli] from the feces of sheep. 041602
The *metabolism* of **cimetidine** in the rat, dog and man. 034212
Metabolism of A **cobalt** 58 [isotope]-tagged vitamin B12 in **normal and fasting albino rats.** 032494
Comparative *metabolism* of radionuclides in mammals. IX. Retention of **75Se** [selenium isotopes] in the mouse, rat, monkey and dog. 033909
Modification of iron and **copper** *metabolism* by dietary starch and glucose in rats. 032415
Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. *Metabolic* **correlation** between liver and adipose tissue [in rats]. 032200
Absorption and *metabolism* of **CrO4** [chromate anion] by isolated chloroplasts [of spinach]. 037801
Determination of methionine requirements with 35S [sulfur isotope] methionine determined on the basis of *metabolic* **data[Rats].** 034304
Metabolism of **24-dihydrolanosterol** in Ochromonas malhamensis and Chlorella ellipsoidea [Algae]. 037169
Biliary lipids and cholesterol gallstone formation [Nutrition and *metabolic* **diseases].** 032165
Drug *metabolism* and hepatic heme proteins in the vitamin Edeficient **rat.** 032179
The effect of a vitamin E deficiency on **drug** *metabolism*. 032316
Effect of dietary dieldrin on the liver and **drug** *metabolism* in the female Swiss-Vancouver mouse. 039533
Hepatic **drug** *metabolizing* enzymes and lipid peroxidation in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Water and **electrolyte** *metabolism* in farm animals. 034234
Energy *metabolism* in children with protein calorie malnutrition (PCM). 032276
Current knowledge on the **energy** *metabolism* and the secretory mechanism of the eccrine sweat glands. 033933
Furfurol influence on the **energy** *metabolism* of fodder yeast [Candida tropicalis]. 037220
Interrelation of water state and **energy** *metabolism* of winter wheat leaves. 037417
Nucleotide-metabolizing **enzymes** in Chlamydomonas [reinhardi] flagella [Algae]. 037020
The *metabolic* and **epigenetic** control of chlorophyll biosynthesis. 036975
Studies on avian **erythrocyte** *metabolism*. II. Releationship between the major phosphorylated metabolic intermediates and oxygen affinity of whole blood in chick embryos and chicks. 033865
Fat *metabolism* in higher plants. The function of acyl thioesterases in the metabolism of acyl-coenzymes A and acyl-acyl carrier proteins. 036782
Fat *metabolism* in higher plants: production of short- and medium-chain acyl-acyl carrier protein by spinach stroma preparations treated with cerulenin. 037653
Qualitative and quantitative studies of the *metabolism* of **fatty** acids, in particular that of linoleic acid, in calves. 033772
Can Nitsch's hypothesis on the **floral** *metabolism* [in Euphorbia pulcherrima] by generalised? 037786
Comparative **gas** *metabolism* examinations in geese. 033727
Biological studies on environmental pollution by fluoride. III. Effect of hydrogen fluoride gas on *metabolism* of **Gladiolus,** Iris and Crocus. 039013
The effects of pregnancy and lactation on the activities in rat liver of some enzymes associated with **glucose** *metabolism*. 033816
The effect of catecholamines on the *metabolism* of **glucose,** fatty acids, and on the heart frequency in goats. 034226
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, **glucose** *metabolism* and urinary metabolite excretion in sheep. 034410
Avian mitochondrial **glutamine** *metabolism*. 034036
Glycoprotein *metabolism* in the cotyledons of Pisum sativum peas] during development and germination. 037812
Guanosine *metabolism* and regulation of fruiting body construction in Dictyostelium discoideum [Fungi]. 037239
Translocation and *metabolism* of **[3H]gibberellins** by light-grown Phaseolus coccineus [scarlet runner beans] seedlings. 037819
The regulatory role of calcium in **25-hydroxycholecalciferol** *metabolism* in chick kidney in vitro. 033769
Examination of the *metabolism* **index** of Salmonella typhimurium infected goose eggs. 034967
Studies on epinephrine & carbachol **induced** *metabolic* changes in Bubalus bubalis [Buffalo calves]. 033973
Effect of *metabolic* **inhibitors** on the preservability of baker's yeast [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase activity during its storage. 032864
Effect of bacterial & fungal extracts & *metabolic* **inhibitors** on excystment of soil amoebae. 040659
Effect of different types of rations on some characteristics of the ruminal and **intermediary** *metabolism* in sheep. 1. Formation of volatile fatty acids. 034305
Metabolic **interrelations** of hydroxy-substituted ether-linked glycerolipids in the pink portion of the rabbit Harderian gland. 033764
Characteristics aspects of **iron** *metabolism* in piglets. 034096
Effect of selenium on the 35S [sulfur **isotope]-cysteine** *metabolism* in lambs. 033881
Ontogenetic specificity of *metabolism* of **ketonic** bodies in ruminants (review). 034189
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the *metabolism* of CCC in **kohlrabi,** cauliflower, and tomatoes). 037824
Relationship of lactate dehydrogenase specificity and growth rate to **lactate** *metabolism* by Selenomonas ruminantium [Rumen bacteria]. 033754
Influence of thermophilic methane fermentation products on the *metabolism* of **lactic** acid bacteria [during culturing in milk]. 032945
Occurrence of **latent** *metabolic* disturbances in clinically healthy dairy cows. 035382
Metabolism of **limonoids:** Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414
Diabetes and **lipid** *metabolism* in nonhuman primates. 032166
Lipid *metabolism* in the extreme north aboriginals residing in the Krasnoyarsk territory [Nutrition]. 032493
Ether **lipid** *metabolism:* incorporation of O-Hexadecyl ethanediol into rat brain lipids. 033795
Lipoprotein *metabolism* [Man, animals]. 032167
Metabolism of **L-leucine-U-14C** [carbon isotope] in young rats fed excess glycine diets. 034252
Disturbances of the **methionine** *metabolism* in the presence of vitamin B12 deficiency in animals [Rats]. 032178
A note on the *metabolism* of Ca, P, **Mg,** Na and K [calcium, phosphorus, magnesium, sodium, potassium] by pigs growing at a high ambient temperature. 033738
Effect of fluoride on **mineral** *metabolism* in man. 032272
Liver microsomal system and **mycotoxin** *metabolism* [Food toxicity]. 032113
Further studies of the dynamics of **nitrogen** *metabolism* in sheep. 033830
Simulation of the dynamics of **nitrogen** *metabolism* in sheep. 033831
The effect of a reduction in food intake during late pregnancy on **nitrogen** *metabolism* in ewes. 034402
Effects of dietary soy or urea nitrogen and feeding frequency on **nitrogen** *metabolism*, glucose metabolism and urinary metabolite excretion in sheep. 034410
Nitrogen *metabolism* of Raya (Brassica juncea Coss.) during germination under simulated drought. 037340
Certain problems of **nitrogen** *metabolism* in plants [of kidney beans] under expansion of tissues induced by 2,4-dichlorophenoxyacetic acid. 037622
Post infection changes in **nitrogen** *metabolism* in virus infected Carica papaya L. [Papayas]. 038905
Effect of protein nutrition on **nitrogenous** *metabolism* in swine. 034490
Metabolic fate of **O-ethyl** O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. 039562

Metabolism of **O-ethyl** O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564
Dietary vitamin E and selenium requirements for **optimum** *metabolic* function at the subcellular level. 032269
Species variation in the *metabolism* of some **organic** halogen compounds [Organochlorine pesticides]. 039537
Peculiarities of the **oxygen** *metabolism* of the obligate phototrophic blue-green alga Anabaena variabilis in darkness. 037121
Phosphoric *metabolism* in winter wheat leaves depending on plant supply with phosphorus. 037418
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and **phosphorus** *metabolism* in the rabbit. 033885
Effect of water deficiency on *metabolism* of **phosphorus** compounds and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. 037426
Studies on avian erythrocyte metabolism. II. Releationship between the major **phosphorylated** *metabolic* intermediates and oxygen affinity of whole blood in chick embryos and chicks. 033865
The effect of SO2 [sulphur dioxide] pollution on **plant** *metabolism*. 039057
Purines and their *metabolism* in **plants.** 037311
Influence of special ecological conditions on growth, *metabolism*, and **potassium** nutrition of tropical crops (as exemplified by the case of rice). 037450
Glycoalkaloids of the **potato** *[Metabolism]*. 037800
The effect of grass meal on *metabolic* **processes** in the body and on productivity of young cattle. 034523
Effect of antibiotics on some *metabolic* **processes** in Black Pied bulls. 035203
Influence of intermittent long-term stimulation on contractile, histochemical and *metabolic* **properties** of fibre populations in fast and slow rabbit muscles. 034130
Epidermal **protein** *metabolism* directed toward keratinization by hydrocortisone in the chick embryonic skin growing in a chemically defined medium. 033876
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and **protein** *metabolism* in the blood serum and upon the body composition of growing rats. 034307
Metabolism of **protein** and nucleic acids during adaptation to various types of drought [Wheat]. 037429
Effect of grapevine infectious chlorosis virus on **protein** *metabolism* in the plant. 038899
Metabolism of **quinic** acid depsides in Lycopersicon esculentum Mill. [Tomatoes]. 037825
Acidosis and level of *metabolism* **[Rabbits].** 033741
Rapid *metabolic* changes in the wounding response of leaf discs [of tobacco] following excision. 037526
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) *metabolism* in the **rat** [Residues, formamidine acaricide-insecticide, toxicity]. 039565
Vitamin A *metabolism* in **rats** suffering from hypobetalipoproteinemia. 032329
Effects of asparagusate and lipoate on enzymes of the tricarboxylic acid cycle and **related** *metabolic* pathways [Asparagus]. 037764
Effect of temperature and active acidity of the medium on the *metabolism* of **reserve** carbohydrates and survivability of baker's yeast [Saccharomyces cerevisiae]. 037216
Characterization of the **respiratory** *metabolism* of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153
Metabolic **response** to overfeeding. 032295
Effect of trauma on plasma glucagon and insulin concentrations in **sheep** *[Metabolism]*. 033845
Effect of granular feeds on *metabolism* in **sheep.** 034509
Co-ordinate synthesis of ribosomes and elongation factors in the liver of immature chicks following a *metabolic* **shift-up.** 034066
Changes in the *metabolism* of the **shivering** hind leg of the young ox during several days of continous cold exposure. 034158
Metabolism of **starch** and other carbohydrates. 032247
Effect of Ginseng [Panax ginseng] extract on lipid and **sugar** *metabolism*. I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
Metabolism of **trehalose** and pullulan during the growth cycle of Aureobasidium pullulans [Fungi]. 037308
Nutritional studies with growing Friesian calves on certainfeeding levels under local conditions. 1. Feed utilization and *metabolism* **trials** during the 2nd six months of growth. 034266
Metabolism of **urea** in buffalo calves fed on diets of different crude protein content. 034382
Modification of *metabolism* in **Virginia** creeper [Parthenocissus tricuspidata] leaves from sunny or shaded exposures. 037141
Lipid and **vitamin** *metabolism* during mycotoxicoses [Aflatoxicosis, poultry]. 035425
Incorporation of exogenous amino acids into *metabolism* of **winter** wheat at different temperatures of growth. 037427
Metabolism of **zearalenone** by Fusarium roseum graminearum [Food, feed, contamination]. 032069

METABOLITES

Structure of sydowinin A, sydowinin B, and sydowinol, *metabolites* from **Aspergillus** sydowi [fungi]. 036732
Effect of cold acclimation on changes in **blood** *metabolites* induced by high-fat diet. 032381
Dynamics of some N [nitrogen] *metabolites* in the **blood** serum of lambs in combined feeding conditions. 034510
Metabolite of **Ceratocystis** ulmi and its association with pathogenicity [Great Britain]. 038820
Bone resorbing activity of vitamin D *metabolites* and **congeners** in vitro: influence of hydroxyl substituents in the a ring. 032215
Identification of salsolinol as a major **dopamine** *metabolite* in the banana. 033413
Biochemical effects of bromelins. Their therapeutic use *[Metabolites* of **fruits].** 033371
Synthesis of some **fungal** *metabolites* with 4-methoxy-5,6-dihydro-2-pyrone structure. 037082
A study of toxic effect of the strains of Aspergillus flavus **fungi** *metabolites*, isolted from Soviet-grown cereals. 032146
Synthesis of pulvinones, *metabolites* of **[fungi]** Aspergillusterreus and [larch mushroom] Suillus grevillei. 036867
Spectral and chemical characterization of fungal [Sporormiaaffinis] *metabolite* **LL-N313zeta.** 037066
A new **natural** *metabolite* of vitamin A. 032177
Isolation of **new** *metabolites* from Aspergillus sydowi [fungi] and structure of sydowic acid. 036729
Structure of versiol, a **new** *metabolite* from Aspergillus versicolor [Fungi]. 037299
Optimization of the nutrient medium for the biosynthesis of **phytotoxic** *metabolites* of Myrothecium verrucaria VKMF-183 [Soil fungi]. 040754
Structural revision for prenylated **pulvinone** *metabolites* from Aspergillus terreus [Fungi]. 037298
Reactive *metabolites* of organohalogen compounds. 039536
In vitro production of **toxic** *metabolite* by different species of Colletotrichum. 038656
Effect of different carbon sources on growth, sporulation and production of **toxic** *metabolite* in culture of Sphaceloma curcumae [Curcuma longa]. 038682
Quinol phosphate as a *metabolite* of **triphenyl** phosphate [Musca domestica]. 039448
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and **urinary** *metabolite* excretion in sheep. 034410
Thin-layer chromatographic assays of histamine and its *metabolites* in **urine** of man and dog. 034049

METALLOID

Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the *metalloid* **via** the mammary glands. 034280

METALS

Chemotropic effect of *metal* **cations** on Sinapis alba L. [Mustard] roots as affected by some factors. 037662
Performance of [wood] roof trusses with *metal-plate* **connectors.** 035754
The coat **defect** *metallic* [Fur animals, genetics]. 034847
Simultaneous analysis of **dissolved** *metal* pollutants in water. 041481
Influence of ionic strength, pH [hydrogen-ion concentration], and chelation of **divalent** *metals* on isolation of polyribosomes from tobacco leaves. 037521
Mobilization of *metals* in the **Dutch** Wadden Sea. 041514
Trace constituents in molasses **[Heavy** *metal* contaminants and organochlorine pesticide residues]. 031961
FDA [Food and Drug Administration] reports on **heavy** *metals* in foods, need for reductions in certain areas. 032019
Food and water contamination with **heavy** *metals*. 032039
Active sites of biological macromolecules and their interaction with **heavy** *metals*. 035406
Studies of tolerance to **heavy** *metals* in the flora of the rivers Ystwyth and Clarach, Wales [Algae, pollution monitoring]. 036951
Heavy *metal* residues in plants caused by pollution in the central area of Upper Austria. 039074
The use of natural Pb-210 [lead isotope] as a **heavy** *metal* tracer in the river-estuarine system. 041216
Chemical and bacterial cycling of **heavy** *metals* in the estuarine system [Water pollution]. 041468
Ecological toxicology research. Effects of **heavy** *metal* and organohalogen compounds, proceedings of a NATO science committee conference. 041512
Problems in aquatic ecosystems, with special reference to **heavy** *metal* pollution of the marine environment. 041517
Heavy *metals* application and plant uptake in a land disposal system for waste water. 041606
Retention of metals in sewage sludge. 1. Constituent **heavy** *metals*. 041608
Chemical factors **influencing** *metal* alkylation in water [Pollution]. 041469
Comparison of mineral acids in wet digestion of plant materials for flame and flameless atomic absorption **measuremnt** of *metals*. 037284
The significance of multielement analyses in *metal* **pollution** studies. 041519
The effect of the presence of the *metal* **prosthetic** groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. 034137
Metals-microelements and their **role** in enzymatic processes [in plants]. 036734
Retention of *metals* in **sewage** sludge. 1. Constituent heavy metals. 041608
Retention of *metals* in **sewage** sludge. II. Incorporated radioisotopes. 041609
Competition between *metal* **tolerant** and normal plant populations; a field experiment on normal soil. 036207
A carbon rod atomizer for analysis of **trace** *metals* in water [Quality]. 041289
The interaction of 2,6-disulphoanthrachinone radical-anions with the ions of transitive **valency** *metals* [Phytopathology]. 039060

METAMORPHOSIS

The endocrine glands of Chironomus thummi Kief. During larval **development** and *metamorphosis*. 039933
Hormonal induction of acid phosphatase activity in salivary glands of larvae of Drosophila **melanogaster** during *metamorphosis*. 039694
The effect of properties of microhabitats formed on various *metamorphic* **schists** on vegetation [of meadows and forests]. 036924

METAPHASE

Chromosome distribution in **neuroblast** *metaphase* cells of Locusta migratoria L. 039676
The ultrastructure of the **sheep** *metaphase* plate chromosomes. 034220

METARRHIZIUM

Metarrhizium **anisopliae** (Metch.) Sorokin on Brinjal mealy bug [Centrococcus insolitus] and its use in the biological control of the pest. 039328

METEOROLOGY

Frequency and probability of fry spells at Dharwar [**Agricultural** *meteorology]*. 031021
Micrometeorology and **assessment** of primary production of a tropical rain forest in West Malaysia. 037930
Estimating the state of maturation of a banana bunch from *meteorological* and **supporting** data. 037621

METERS

Organogeochemical studies of a *200-meter* **core** sample from Lake Biwa. III. The determination of chlorophyll derivatives and carotenoids. 036244
Electromagnetic water **current** *meter*. 041302
Problems relating to the measurement of near surface drift currents and a possible solution—the Tethered Drogue **current** *meter* [Water quality]. 041317
Some observations of velocity fluctuations in a strongly stratified estuary using an ultrasonic transit-time-difference **current** *meter* [Water quality]. 041323
The electrostatic **flow** *meter* [Water measurement]. 041330
New type of **grass** *meter* for pasture yield estimation. 038053
Establishing a suitable method of reconstructing existing vineyards of the Cabernet Sauvignon grape variety with inter-row **space** of 2 *meters*. 038356

METHANE

Chemical mutagenesis in soybean (Glycine max (L.) Merrill) using **ethyl** *methanesulphonate* and hydroxylamine hydrochloride. 036596
Comparative mutagenic effects of **ethyl** *methane-sulfonate*, nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126
How Taiwan homestead farmers make *methane* **[gas]** work for them. 040343
Methane **[gas]** generation on a farm. 040344
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS **[methyl** *methanesulfonate]-induced* dominant lethality in post-meiotic male germ cells [Mice]. 034758
Influence of **thermophilic** *methane* fermentation products on the metabolism of lactic acid bacteria [during culturing in milk]. 032945
Effect of products of **thermophilous** *methane* fermentation on the fermentation of fruit must by the yeast Saccharomyces vini. 033438

METHANOL

Purification of phosphoric acid with *methanol* and **ammonia** [solution fertilizer production]. 040992
Oxidation of *methanol* and **formaldehyde** by a system containing alcohol oxidase and catalase purified from Candida [fungi] sp. N-16. 032711
Methanol in **[grape]** wines in relation to processing and variety. 033322
Stereochemistry and mechanism of *methanol* **oxidase** from Candida boidinii [Yeasts]. 036958

METHIONINE

Heritability estimates of percentage seed protein and **available** *methionine* and correlations with yield in dry [kidney] beans. 036430
Determination of methionine requirements with 35S [sulfur isotope] *methionine* determined on the **basis** of metabolic data[Rats]. 034304
Gestational **dietary** *methionine* level effects on performance and methionine-load response in three generations of rats. 032411

Studies on *methionine* **imbalance** in rats as influenced by supplementation of threonin, serin, glycine or glutamic acid. 034315
Disturbances of the *methionine* **metabolism** in the presence of vitamin B12 deficiency in animals [Rats]. 032178
Quality factors affecting the nutritive value of [kidney] bean seed **protein** *[Methionine].* 032210
Determination of lysine and *methionine* **requirements.** II. Establishment of amino acid supplies in fattening pigs by the determination of certain parameters of the blood plasma. 034249
Determination of *methionine* **requirements** with 35S [sulfur isotope] methionine determined on the basis of metabolic data[Rats]. 034304
Gestational dietary methionine level effects on performance and *methionine-load* **response** in three generations of rats. 032411
Method of electrophoretic determination of **S-methyl** *methionine* in plants. 037224
Failure of supplemental zinc-proteinate, zinc sulfate and *methionine* to **stimulate** growth rate and feed efficiency of swine. 034470
Effects on the growth of the rabbit of L-lysine and *DL-methionine* **supplementation** of simplified plant diets. 034290
Purification of *methionine-accepting* **transfer** ribonucleic acid from Scenesmus obliquus D3 [Algae]. 037310
Effect of intraperitoneal injections of *DL-methionine* on the **voluntary** intake and wool growth of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400

METHOXY

Synthesis of *(plus/minus)-3-methoxy-N-acetylnornantenine* **[Liriodendron** tulipifera]. 037926
Synthesis of some fungal metabolites with *4-methoxy-5,6-dihydro-2-pyrone* **structure.** 037082

METHOXYCHLOR

Testing dosage rates of *methoxychlor* **applied** by helicopter for control of Dutch elm disease [Ceratocystis ulmi]. 038619

METHYL

Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, *methyl* **acetate,** acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and butanol-(2) [Wine]. 033431
Terpenes. XCVI. Synthesis of *4-hydroxy-4-methyl-trans-2-pentenoic* **acid** [Bunium cylindricum]. 036989
Methyl **bromide** fumigation. I. Effect of high dosages on breadmaking quality and germination of wheat. 033206
The use of *pirimiphos-methyl* to **control** mites in stored grain. 039420
Synthesis of *methyl* **ester** 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. 037231
Mercury and mink. II. **Experimental** *methyl* mercury intoxication. 035400
Bromonium ion-induced cyclization of *methyl* **farnesate:** application to the synthesis of snyderol [Laurencia snyderae, algae]. 037290
Poly(amide-acetals) and poly(ester-acetals) from polyol acetals of *methyl* **(9(10)-formylstearate:** preparation and physical characterization [Polymers]. 032858
Kinetics of *3-O-methyl* **glucose** transport in red blood cellsof newborn pigs. 034062
The protective effect of vitamin E and selenium against *methyl* **mercury** toxicity in the Japanese quail. 034457
Prolonged oral administration of *methyl* **mercury** chloride to rainbow trout (Salmo gairdneri) fingerlings. 039345
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS *[methyl* **methanesulfonate]-induced** dominant lethality in post-meiotic male germ cells [Mice]. 034758
Method of electrophoretic determination of *S-methyl* **methionine** in plants. 037224
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl *[(5-chloro-2-thienyl)methyl]* **phosphonium** chloride. 038772
Alkaloids in Tabernaemontana species. V. Accedine and N *(a)-methyl-epi-affinine,* **two** new alkaloids from Tabernaemontana accedens. 036864
Cytogenetic effect of *N-nitroso-N-methyl* **urea** on cells of Crepis capillaris L. seeds stored for a long time after treatment. 036954

METHYLATION

Effect of *guanidino-methylated* **arginines** on the growth of tobacco tissue cultures. 037336
The determination of saccharin by gas chromatography after *methylation* with **Diazomethane** [Food addtives]. 032924
Gas chromatographic-mass spectrometric identification of phenylurea herbicides after *N-methylation* **[food** chemistry]. 039138
Polysaccharides of brown algae [Phaeophyta]. VIII. A study of pelvecyan and **sargassan** by *methylation.* 036894

METHYLTHIO

Metabolic fate of **O-ethyl** *O[4-(methylthio)phenyl-14C]* Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. 039562
Metabolism of **O-ethyl** *O-[4-(methylthio)phenyl]* S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564

METHYLUREA

Experimental mutagenesis in apple. III. Morphological and genetic effects in Malus domestica, **induced** by *N-nitroso-N-methylurea.* 036672

METRIC

Metrication and the **consumer** [Food preparation]. 032403
Metrication and the **consumer.** 032641
Metric **conversion** in agriculture. 030998
Metric **forestry:** a measure of progress. 035549
The dairy **goes** *metric* [Milk, marketing]. 031693
The [milk] producer **goes** *metric* [Marketing, Great Britain]. 031694
Costings go *metric* [**Milk,** prices]. 031692

METRITIS

Pyometra *[metritis]* in the **dog;** a pathophysiological investigation. I. The pyometra syndrome [caused by a combination of hormonal and microbial factors]. 034917
Prostaglandin induced parturition in swine with some aspects on prevention of the **MMA** *(metritis,* mastitis, agalactia) syndrome. 034766

METROSIDEROS

Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil [Black rot, papayas, *Metrosideros* **collina,** Acacia koa]. 038763

METZGERIALES

Dendroid liverworts of the **order** *Metzgeriales* in New Zealand. 036067

MICE

The difference in absorption of bull seminal ribonuclease by organ tissues of juvenile and **adult** *mice.* 033906
Percent satellite DNA as a function of tissue and **age** of *mice.* 033809
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS [methyl methanesulfonate]-induced dominant lethality in post-meiotic male germ **cells** *[Mice].* 034758
Antiviral activity of isoquinolines carbazoles and other miscellaeous synthetic **chemicals** in *mice.* 035077
Induction of udpglucose dehydrogenase during development, organ culture, and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall **glucuronidation** in **chicken** and *mouse.* 033801
Comparison of free amino acids in blood serum of men and animals. 1. Man, rat, *mouse,* **cock** [chickens]. 034239
Effects of early pregnancy in growth, body composition and **efficiency** in *mice.* 034660
Freeze-fracture morphology of gap junctions in the trophoblast of the *mouse* **embryo.** 034086
Control of snow and **field** *mice* injuries to fruit orchards [Grapes, persimmons]. 039023
The immunogenic activity of ribosomal fractions derived from Brucella abortus *[Mice,* **guinea** pigs]. 035115
Sensitizing activity of plant radiotoxins [Allergic reaction in *mice* and **guinea** pigs]. 035437
Effects of diethylstilbestrol on feral **house** *mouse* (Mus musculus L.) population dynamics under experimental field conditions. 034006
Murine cytomegalovirus (MCMV) [Animals, *mice,* **human].** 034965
Influence of temperature on the detectibility and chromosomal distribution of specific DNA sequences by in situ **hybridisation** *[Mice].* 034598
The histopathology of experimental disease produced in *mice* **infected** with Trypanosoma vivax. 034956
Cortisone-resistant effector T cells in acute lymphocytic choriomeningitis and Listeria monocytogenes **infection** of *mice.* 034999
Studies on prenatal and postnatal material influence on the progeny in *mice.* I. **Investigations** with inbred strains. 034619
Relation of inbreeding to chromosomal abnormalities in **laboratory** *mice.* 034797
The influence of parental age on the genetic quality of the progeny of *mice.* IV. The **level** of spontaneous and induced chromosome translocations in the male germ cells. 034622
Viral factors required for interferon induction by Newcastle disease virus in *mouse* **macrophages** and chicken embryo cells. 035112
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in **malnourished** *mice* after SRBC [sheep red blood cells] administration. 035078
The influence of parental age on the genetic quality of the progeny of *mice.* III. The **mortality** of progeny in succeeding generations. 034621
Treatment of experimental poisoning produced by extracts of Amanita phalloides [Poisonious **mushrooms,** *mice].* 035447
The failure of allogeneic cells to maintain an immume response in **nude** *mice* [Infectious diseases]. 035200
Comparative investigation of cytogenetic effect of certain organophosphorus **pesticides** *[Mice].* 034625
Study of the self-diffusion of water in biological objects by the method of nuclear spin echo using pulse gradient of the magnetic field **[Plants,** *mice].* 033879
Preventing *mice* infestations [in bakery]. 032015
Effect of addition of formaldehyde on the dietary value of milk for *mice* and its **quality.** 034419
The distributions of the combinations of the sexes in mammalian litters [Pigs, **rabbits** and *mice].* 034623
Genetic control of immune responses to parasites: selection for responsiveness and non-responsiveness to [the nematode] Trichuris muris in **random-bred** *mice.* 035180
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [selenium isotopes] in the *mouse,* **rat,** monkey and dog. 033909
Membrane potential and conductance measurements in *mouse* and **rat** pancreatic acinar cells. 033955
Comparative effects of niridazole on spermatogenesis and reproductive capacity in the *mouse,* **rat** and Japanese quail. 034680
Investigations on genetic constancy or subline drifting of inbred strains of **rats** and *mice.* 034872
Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in *mice,* **rats,** and rabbits. 035432
Action of immunogenic RNA on lymphocyte **replication** *[Mice].* 035055
Hereditary influence on zinc **requirements** of *mice.* 034455
The effect of cholesterol oleate treatment of *mice* on the **rosette** forming cell response against sheep erythrocytes. 034164
Secretory potentials in cat, rabbit and *mouse* **salivary** glands. 033959
Pre- and postnatal litter size of *mice* **selected** for high weight, gains at different levels of feeding. 034618
Survival of Ms/—males in two lines of *mice* **selected** for a different expression of the gene mosaic (Ms) in heterozygous females. 034620
Babesia rodhaini: a study of the effects of immune **serum** *[Mice].* 035090
Correction: *mouse* **spleen** cells cultured in homologous serum can indeed make primary antibodies to sheep erythrocytes. 034175
Adjuvant effect of lipid A obtained from Salmonella typhimurium on antibody response in *mouse* **spleen:** the role of carriers conjugated to lipid A. 035137
Correction: *Mouse* **spleen** cells cultured in homologous serumcan indeed make primary antibodies to sheep erythrocytes [Immunity]. 035199
Suckling *mouse* cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492
Effect of dietary dieldrin on the liver and drug metabolism in the female **Swiss-Vancouver** *mouse.* 039533
On the estrogenic effect of white cabbage (Brassica oleraceae) **[Tested** on *mice].* 032495
Response of femoral and vertebral colony-forming units to 226Ra [radium isotope] internal contamination in *mice* **[Toxicity].** 035434
Babesia rodhaini: immuno-induction of antigenic **variation** *[Mice].* 035089
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in vitro and in **vivo** [in *mice].* 035391
Toxicity to **white** *mice* of corn naturally contaminated with aflatoxin. 035419
Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the **white-footed** *mouse,* Peromyscus leucopus, in southwestern Wisconsin. 039485
The Goodale **white-spotted** *mice:* a historical report. 034675

MICELLE

On the formation of a ternary complex between [porcine pancreatic] lipase, colipase and *micelles* of **amphipathic** compounds. 033820
Influence of the products of phospholipolysis of phosphatidylcholine on *micellar* **solubilization** of fatty acids in the presence of bile salts [Sheep, feeding]. 034345
Micellar **solubilization** of fatty acids in aqueous media containing bile salts and phospholipids [Sheep, feeding]. 034346

MICROALGAE

A method for the spectrophotometric measurement of chlorophyll a and pheophytin a in **benthic** *microalgae.* 037086

MICROANALYSIS

Microanalysis of **RNA** from defined cellular components [Chironomus tentans]. 039874
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and **X-ray** *microanalysis* [Algae]. 036341

MICROARTHROPODS *see* ARTHROPODA

MICROBES

Antimicrobial **action** of galbanum [Gum resin of Ferula gumosa]. 037190
Antimicrobial **activity** of Lithospermum erythrorhizon calluscultures. 037068
Alkaloids of Urginea altissima and their *antimicrobial* **activity** against Phytophthora capsici. 037159

A contribution to the biogenesis and biochemistry of the *antimicrobial* **activity** of the essential oils of onions (Alliumcepa L.). 037823
Rhizosphere of Abies religiosa. I. Microbiology and *microbial* **activity** [Soil microorganisms]. 040789
Control of the forest tent caterpillar [Malacosoma disstria] with *microbial* **agents** [Bacillus thuringiensis, biological control]. 039403
Adsorption of *microbial* **beta-amylase** on starch [from soybean, barley, potato]. 033141
The influence of tidal flux on *microbial* **biomass** in salt marsh creeks [Distribution and ecology of estuarine plants andanimals]. 036234
Chemical and *microbial* **changes** in dehulled confectionery sunflower kernels during storage under controlled conditions. 033271
Use of gamma-irradiation of soil for an analysis of the composition of *microbial* **communities**. 040689
Microbial **contamination** of meat in boning and packing rooms. 032117
Formation of volatile sulfur compounds by *microbial* **decomposition** of slfur-containing amino acids in soils. 040798
Microorganisms in gums. IV. *Microbial* **degradation** of plant exudates and seaweed extracts. 032155
Microbial **degradation** of plant protection chemicals [Pesticides, herbicides, fungicides]. 039549
Pyometra [metritis] in the dog; a pathophysiological investigation. I. The pyometra syndrome [caused by a combination of hormonal and *microbial* **factors**]. 034917
Hygienic studies on *microbial* **flora** of foods. 031972
The *microbial* **flora** of rock shrimp Sicyonia brevirostris. 032099
Development of *microbial* **flora** of "Caciotta" ewe's milk cheese during ripening. 032943
Vegetation management and *microbial* **function** in a tallgrass prairie. 038043
Quality control significance of special media for enumeration of *microbial* **groups** in cottage-type cheese. 032096
A circular paper technique for study of *microbial* **growth** [Aspergillus niger, Penicillium digitatum, citrus fruits]. 038735
Microbial **hydroxylation** of steroidal delta 3,5 enol acetates [Rhizopus arrhizus, fungi]. 037292
Microbial **indicators** of oil-rich salt marsh sediments. 041486
Microbial **inhibition** by an isolate of Pediococcus from cucumber brines. 031950
Microbial **inhibition** caused by p-hydroxybenzoate esters in wine. 033323
Observations on the *microbial* **quality** of some indigenous concentrated milk products. 032054
Some metabolic and biochemical characteristics of **representative** *microbial* isolates from vacuum-packaged beef [Food bacteria]. 032076
On the relationship between activity of **rumen** *microbes* and cobalt level in the culture medium [Goats]. 034089
The effect of molybdenum on the conversion of sulphate to sulphide and *microbial-protein-sulphur* in the **rumen** of sheep [Nutritional biochemistry]. 034347
Microbial **spoilage** of fresh refrigerated beef liver. 032074
Detection of *antimicrobial* **substances** by microbiological assays [Saccharomyces cerevisiae]. 032875

MICROBIOLOGISTS
A *microbiologist's* **view** of root anatomy. 036315

MICROBIOLOGY
Statistical approach to evaluating and securing methods and results in the context of hygiene and *microbiology* [**Animal** production]. 033649
Microbiological **aspects** of poultry processing [Food contamination]. 032057
Detection of antimicrobial substances by *microbiological* **assays** [Saccharomyces cerevisiae]. 032875
Microbiological **characteristics** of the eroded Chestnut soils of Buryatia. 041207
Microbiological **considerations** on pollution and eutrophication of waters. 041599
Microbiological **criteria** for food in military and Federal specifications. 032095
Microbiological **degradation** of lignin [Wood destroying fungi]. 035860
Microbiological **evaluation** of raw, pasteurised and flavoured milk [Quality control]. 032085
Microbiological **examination** of smears as an important part of prevention in food-processing plants [Food contamination]. 032142
Studies on heifer mastitis. II. Biochemical properties and *microbiological* **findings** of exudates from normal and mastitic udders of the heifer. 035012
Formation of primary alcohols and palmitic acid as a result of **hexasecane** *microbiological* oxidation [Candida, yeasts]. 037219
Microbiology of **Israeli** pickled cheese. 032978
Comparison of *microbiological* **methods** for the quality evaluation of soft drinks. 031986
Rhizosphere of Abies religiosa. I. *Microbiology* and **microbial** activity [Soil microorganisms]. 040789
The effect of salting on the *microbiology* of **poultry** meat. 033132
Biomass producton [for food and feed] on various substrates using *microbiological* **processes**. 037083
Microbiological **processes** in peat bog soils under perennial grasses. 040730
Microbiology of **ripening** honey. 032721
Achievements and new trends in **soil** *microbiology*. 040747
Microbiological **standards**—are they realistic? [Quality or safety of fresh or processed meats]. 032021
Microbiological **studies** of the fermentative dephosphorilation of phytates. 040792
Correlation of organoleptic [quality] evaluation with chemical and *microbiological* **tests** in oysters. 032018
Changes in the *microbiology* of **vacuum-packaged** beef. 032073
The production of hemagglutinin of Japanese B encephalitis virus in tissue cultures [**Veterinary** *microbiology*]. 035016
Developments in fermentation physiology and *microbiology* [in **wine** making]. 033389

MICROCHEMICAL
The results of anatomical and *microchemical* **analyses** of the roots of the Tbilisuri variety in relation with resistance to Phylloxera [vitifoliae]. 039367
Microstructural and *microchemical* **studies** of wood decay of Casuarina equisetifolia by Fomes durissimus [Fungi]. 035887

MICROCLIMATE
Introduction of a uniform system for controlling the *microclimate* in **animal** production units. 040371
Importance of *microclimate* in the **complex** of hygienic measures for fattening swine. 034942
Microclimate **examinations** in various type laying-sheds. 033595
Changes in the *microclimate* of **irrigated** maize crop under the influence of some agrotechnical operations. 038131
Theoretical engineering aspects of *microclimate* in **stables**. 040378

MICROCOCCUS
The significance of Propionibacterium species and *Micrococcus* **lactilyticus** to the ensiling process [Silage]. 033553
Comparative specificity of geranylgeranyl pyrophosphate synthetase of *Micrococcus* **lysodeikticus** and pumpkin. 037763

MICROCYSTS
Acid protease activity during germination of *microcysts* of the **cellular** slime mold Polysphondylium pallidum. 037010

MICROELEMENTS
Nature of the biogenous accumulation of *microelements* in **forest** litters. 040833
Nutritional status of the grapevine (Vitis vinifera L., variety Lambrusco Salamino) expressed by means of foliar analysis of **macro-** and *microelements*. 040867
Influence of some *microelements* and **phytohormones** in the photosynthesis intensity and yield of malting barley. 037552
Metals-microelements and their **role** in enzymatic processes [in plants]. 036734
Influence of *microelements* in a **sporulation** medium on subsequent water requirements for germination of Verticillium albo-atrum conidia. 038694

MICROENVIRONMENTAL *see* ENVIRONMENT

MICROFIBRIL
Production of **cellulose** *microfibrils* by Rhizobium [Infection of legumes]. 037355
Microfibrils in **primary** and secondary wall growth develop trellis configurations [Wood cells]. 035716

MICROFILARIA
Histochemical differentiation of the *microfilariae* of **Brugia** pahangi and sub-periodic Brugia malayi [Cats, dogs]. 034995

MICROFLORA
Changes in the *microflora* of **bovine** colostrm during natural fermentation. 032976
Nutrient media and the isolation of *microflora* in **cases** of swine dysentery. 035226
Studies of physiology for development of sour dough-bacteria. 4. The effect of different systems by the storage of sour **dough** on its *microflora*. 033237
The selective effect of protecting substances [fungicides] on the *microflora* of **grapes**. 038746
The *microflora* of the **hen** house and its influence on the health and performance of poultry 034901
On the *microflora* of **Laspeyresia** pomonella L. (Lepidoptera Tortricidae). II. Fungi. 039718
Structural changes in [wheat] straw as affected by **rumen** *microflora* [Cattle, feed digestibility] 034522
Quantitative and qualitative analysis of the *microflora* of **skim** milk powder. 032988
Influence of foliar nutrient sprays on the population of Fusarium oxysporum f. melonis and other **soil** *microflora* in the rhizosphere of muskmelon. 038693
Reaction of **soil** *microflora* [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. 040687
The cooling of milk destined for the making of Grana cheese. Distribution of *microflora* and **technical** controls. 032990

MICROGRAPHY
A technique to enhance detail on scanning **electron** *micrographs* of geological materials [Soils, sands]. 040583

MICROHABITATS *see* HABITATS

MICROLEPIDOPTERA
Some finds of *Microlepidoptera* from **Denmark** in 1974. 040081
The **leaf-eating** *microlepidoptera* of [ornamental] trees and shrubs in the region of Leningrad [Taxonomy]. 040075

MICROMETEOROLOGY *see* METEOROLOGY

MICRONIZATION
Critical test evaluation of *micronized* **mebendazole** against Anoplocephala perfoliata in the horse. 035159

MICRONUTRIENTS *see* NUTRIENTS

MICROORGANISMS
The influence of ultrasonic waves on **basic** *microorganisms* of wine. II. The relationship between the effect of ultrasonic waves on the physicochemical composition of bactericides in a workable medium. 033346
Activities of cholesterol **degrading** *microorganisms* [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, Nocardia erythropolis]. 037113
Aspect of herbicidal effects on the **ectosymbiotic** *microorganism* of the forest plants. 039115
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by *microorganisms* [**Environmental** contamination]. 039557
Contributions of *microorganisms* to **foods** and nutrition. 032401
Rapid selection of *microorganisms* **forming** extracellular lipases [Aspergillus, fungi]. 037122
Morphological picture of testes of bulls infected with *microorganisms* of the **genus** Chlamydia. 035009
Simulation of contact biooxidation process [to **grow** *microorganisms*] using a fixed bed [Fermentation techonology]. 032866
Microorganisms in **gums**. IV. Microbial degradation of plant exudates and seaweed extracts. 032155
Distribution of **manganese-oxidizing** *microorganisms* [Metallogenium] in soils. 040821
Role of *microorganisms* in the **mobilization** and fixation of iron in soils. 040835
Successions of *microorganisms* of the **overground** vegetative mass in meadow communities 036184
Studies on plant growth substances **produced** by *microorganisms*. 037007
Rhizosphere *microorganisms*—opportunists, bandits or benefactors [Soil lives]. 040654
Phosphorus cycling by **soil** *microorganisms* and plant roots. 036981
Effects of bentazon and dinoseb on **soil** *microorganisms* and on the Rhizobium-Leguminosae symbiosis. 039182
Rhizosphere of Abies religiosa. I. Microbiology and microbial activity [**Soil** *microorganisms*] 040789
Count and species composition of *microorganisms* on **stored** vegetable seeds [Tomatoes, melons, celery, onions, bacteria, molds]. 038859
Use of the method of "diffusion capsules" for studying the patterns of synthesis of some hydrolytic enzymes by *microorganisms* [**Trichoderma** lignorum]. 037004
The *microorganisms* of **tsetse** flies [Glossina]. 039438

MICROPLANKTON
Microplankton of the **north** Pacific central Gyre. Population structure and abundance, June 1973. 036032

MICROPLITIS
Trehalose and glucose levels in the hemolymph of Heliothis virescens parasitized by *Microplitis* **croceipes** or Cardiochiles nigriceps. 039271

MICROSCOPY
An *election-microscopic* and **biochemical** study of the spheroplasts of the blue-green alga Anabaena variabilis. 037114
Johne's disease of cattle: comparison of four **diagnostic** *microscopic* methods. 035196
Electron *microscopy* of flame-resistant fabrics [Cotton]. 031954
Studies on the denaturation of fish muscle proteins. I. Physico-chemical and **electron** *microscopical* studies of freezedenatured carp actomyosin. 032767
Scanning **electron** *microscopy* of the endosperm of cereal crops. 3. Starch cell layer of white-core rice. 033195
Scanning **electron** *microscopy* of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Scanning **electron** *microscopic* visualization of collagen fibers in embryonic chick skin 033877
Electron *microscopy* study of the structure of cells of the mammary gland during various periods of lactation and under the effect of luteotropin. 034183
Electron *microscopy* study of the development of neurovaccinia virus in rabbit blood leucocyte cultures. 035117
A method of collecting and processing nematode larvae for **electron** *microscopy* [Animal diseases]. 035123

Electron *microscope* examination of Tyuleniy virus-infected chick fibroblast cells. 035281
Light and **electron** *microscope* studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep. 035286
Light and **electron** *microscope* studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
A scanning **electron** *microscope* study of the structures of normal, tension and morphactin IT 3456 induced wood in Aesculus hippocastanum. 035703
Scanning **electron** *microscopy:* a practical tool in wood technology. 035749
A note on light and **electron** *microscopy* studies of white pine [wood] exposed to marine [mollusk and crustacean] borer damage. 035894
Scanning **electron** *microscopy* of the backs of Tortula desertorum Broth. leaves coming from different localities in Spain. 036259
An **electron** *microscopic* study of the nucellus cells in bothriochloa ischaemum L. 036296
Effect of polyoxin on fungi. II. **Electron** *microscopic* observations of spore germination of Alternaria kikuchiana Tanaka. 036768
Intercellular spaces of storing parenchyma studied by **electron** *microscopy* in Beta vulgaris [Sugarbeets]. 037428
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on barley leaves] as observed by scanning **electron** *microscope.* 038846
Electron *microscopic* investigations on the occurrence of rickettsia-like bacteria in the roots of Erica gracillis Salisb. 038874
Electron *microscopy* of some grasses and cereals infected with cocksfoot mottle, phleum motle and cocksfoot milk mosaic virus. 038919
A negative staining-carbon film technique for studying viruses in the **electron** *microscope.* III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
Ferritin in insect vectors [Cicadulina mbila] of the maize streak disease agent **electron** *microscopy* and electron microprobe analysis. 038923
Fate of tobacco mosaic virus after entering the host cell. II. **Electron** *microscopy* of virus particles recovered from inoculated leaves. 038926
Scanning **electron** *microscopy* of the ticks Ixodes laguri andIxodes arboricola: surface structures of Haller's organ. 039456
Electron *microscope* studies on developmental stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844). 039517
Electron *microscopic* investigations on the structure of the photoreceptor cells in the compound eye of Ascalaphus macaronius (Insecta: Neuroptera). (Preliminary note). 039790
Lipid staining for the **electron** *microscope:* a new method [Tests with tissues of Rhodnius]. 039827
The tympanic organ of Cicada orni L. (Cicadina, Homoptera). A light and **electron** *microscopic* investigation. 039954
A new specimen preparation technique for the scanning **electron** *microscope* [Soil structure]. 040582
Electron-microscopic **examination** of maize sterile mutants induced by acridine dyes. 036703
Fluorescence *microscopy* in relation to wheat mosaic streak virus disease. 038910
Microscopy of **honey** [Analysis, adulteration]. 032825
Regions under the *microscope* [**Labor** and utilization of agricultural and forest lands]. 031256
Carboxylic ester hydrolases in the thyroid gland of the guinea-pig. A **light** *microscopic* study. 033917
Studies on Sargassum. I. A **light** *microscopic* examination of the wound regeneration process in mature stipes of Sargassum filipendula [Algae]. 036268
The role of *microscopy* in **nutritional** evaluation of cereals. 033566
Microscopic **qualitative** analysis for the identification of a foreign solanaceous alkaloid in burdock root tea [Atropa lappa]. 036928
Application of antitranspirants in fruit growing; preliminary optic and **scanning** *microscopic* reliefs. 037836
Microscopic **structure** of frozen vegetable products: an aspect of practical interest. 033348
The *microscopic* **study** of vegetable tissue during freezing and thawing. 033351
The chitin-glucan complex of Saccharomyces cerevisiae [Yeasts]. III. *Electron-microscopic* **study** of the prebudding stage. 036311
Electron-microscopic **study** of chloroplasts in zygotes of Chlamydomonas reinhardi [Algae]. 036540
Luminescent-microscopic **study** of root tissue of common rue [Ruta graveolens]. 037280
Replication of a nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: *microscopy* **study** of the sequence of events of the virus infection. 039866
Application of quantitative **television** *microscopy* for studying frozen meat structure. 033046

MICROSOME

Lipid composition and protein profiles of outer and inner membranes from pig heart mitochondria. **Comparison** with *microsomes.* 033805
The binding of 86 rubidium [isotope] by a *microsomal* **fraction** of the ox cortex cells. 034218
Liver *microsomal* system and mycotoxin metabolism [Food toxicity]. 032113
Purification and properties of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 reductase from rabbit **liver** *microsomes.* 034032
Purification of **liver** *microsomal* cytochrome P-448 from 3-methylcholanthrene-treated rabbits. 034107
Influence of the dietary protein deficiency on the protein synthetic activity of *microsome* and **soluble** fraction from muscle and liver of rats. 035297

MICROSPORES

Studies on the *microspore* **genesis** date in some varieties of apples and pears. 037725
Haploid plantlets from *microspores* of **rye.** 036719
Male sterility caused by cooling treatment at the **young** *microspore* stage in rice plants. XI. Effects of some substanceson sterility. 036620

MICROSPORIDIA

Ultrastructural analysis of the freeze-etched spore envelope of the *microsporidian,* **Nosema** apis Zander [Disease of honeybee]. 040297
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. *(Microsporidia,* **Nosematidae**) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365

MICROSPOROCYTES *see* SPOROCYTES

MICROSPOROGENESIS *see* SPOROGENESIS

MICROTERMES

The role of zinc in the activation of the enzyme cellulase in termites *[Microtermes* **tragardhi**]. 039742

MICROTUBULES *see* TUBULES

MICROTUS

Growth and reproduction of the field **vole** *Microtus* agrestisL.) in forest plantations [Pests]. 038956

MIDGE

A mass attack by the **biting** *midge* Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of sewage discharge. 039494
On the classification of the **biting** *midges* (Diptera, Ceratopogonidae). 040137
Photoperiodic induction of the diapause of the egg phase in the **bloodsucking** *midge* Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
A *midge* [**Dasyhelea** lithotelmatica] (Diptera, Ceratopogonidae) **new** to Britain that is abundant in the limestone pavement of the Yorkshire Pennines. 040010
Incidence of rice **gall** *midges* Pachydiplosis oryzae Wood-Mason) **as affected** by variations in some cultural practices of rice. 039280
Sorghum *midge* [Contarinia sorghicola] pest **management in the San Joaquin Valley.** 039267

MIGRATION

Control of **binder** *migration* in nonwovens—use of anionically dispersed binders and cationic quaternary amines [Colloidal stability of latexes]. 032914
Migration and the **dynamics** of multiregional population systems. 031033
Energy *migration* from photoreceptors of green region light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
Acoustic behaviour and *migrations* of **field** crickets Grylluscampestris. 039964
Migration of **finishing** agent in tubular processing of knitted cotton fabrics. 033176
Controlling **interregional** *migration* processes of a Markovian type. 031032
Skin reaction and **macrophage** *migration* inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
The *migration* of **nitrogen,** phosphorus and potassium of nitroammophoska in loamy soddy-podzolic soil. 040878
Offshore *migration* and the collapse of outbreaks of the Australian plague locust (Chortoicetes terminifera Walk.) in Southeast Australia. 039209
Offshore *migration* and the collapse of outbreaks of the Australian plague locust (Chortoicetes terminifera Walk.) in south-east Australia. 039632
Migration and **pollination:** the best bees for the job. 040239
South Dakota low income families and *migration* [**Rural** sociology]. 031027
Prognosis of cesium 137 [isotope] *migration* in **soils** [Radioactive contamination]. 040739

MILDEW

Cucumber *mildew* [Pseudoperonospora cubensis] in protected cultures. 038725
Formation of cleistothecia in Sphaerotheca mors-uvae *[Mildew,* **currants**]. 038819
Occurrence of **downy** *mildew* on alfalfa (Medicago sativa) in the Punjab. 038659
Studies on the **downy** *mildew* disease of balsam [Impatiens balsamina] caused by Peronospora obducens. 038663
Downy *mildew* [Peronospora brassicae] in cauliflower in central-northern Italy. 038726
Studies on the interaction between bottle-gourd mosaic virus and *powdery-mildew* **fungus,** Sphaerotheca fuliginea. 038913
Phytoalexin activity in barley **powdery** *mildew* [Erysiphe graminis]. 038572
THe ultrastructure of M1-a-mediated resistance to **powdery** *mildew* [Erysiphe graminis hordei]. 038588
A study on wheat **powdery** *mildew* in Bulgaria. II. Physiological races of wheat powdery mildew (Erysiphe graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607
On the pathogenesis of Leveillula taurica Arn. [**Powdery** *mildew,* Solanaceae, leeks]. 038608
Materials for controlling **powdery** *mildew* on squash. 038631
Fungicidal control of **powdery** *mildew* [Erysiphe polygoni] ofBrassica juncea. 038651
Temperature effects on cleistothecium formation of cucurbits **powdery** *mildew* [Sphaerotheca fuliginea]. 038664

MILK

On the compatibility of the electric conductivity in the California Mastitis Test for the detection of **abnormal** *milk.* 032103
Acidophilus *milk* products: little known cultured milks of great potential [Lactobacillus acidophilus]. 032997
Electrophoresis of blood proteins, tissue of the mammary gland and *milk* in **acrylamide** gel. 034184
Ultrahigh temperature pasteurization increases starter **activity** *[Milk].* 032958
Identification and determination of ionogen surface active **agents** in *milk.* 033034
The vets save our beef and *milk,* and the **bacon** [Veterinarians, livestock diseases, control]. 034953
[Socio-economic] characteristics of dairy farmers in **Bangalore** *milk-shed* **area.** 031110
Investigation of interrelationship between the inhibitory activity of *milk* with different **beta-lactoglobulin** types and the resistance of cows to mastitis. 034627
Studies on histamine concentrations in *milk* and **blood** in health and clinical mastitis in buffaloes and cows. 033966
Effect of standardization of **buffalo** *milk* fat of soft cheese yield and properties. 032936
[Economic of the] transportation of **bulk** *milk.* 031729
The sampling and measuring of **bulk** *milk.* 033032
The determination of copper in *milk* and **butter** with the graphite furnace atomic absorption apparatus. 033031
Permeation of **certain** *milk* components through the cell membrane of mammary glands. 034139
Determination of nitrate in *milk* and **cheese** by cadmium reduction. 032091
Milk and **cheeses:** a basic sector of Italian agriculture [Research programs]. 032938
Electron microscopy of some grasses and cereals infected with cocksfoot mottle, phleum motle and **cocksfoot** *milk* mosaic virus. 038919
The Lockset method of sequential programming applied to *milk* **collection.** 031723
Study on milk yield and *milk* **composition** of purebred Murrahbuffalo cows and of crosses with native buffalo bulls. 034874
Observations on the microbial quality of some indigenous **concentrated** *milk* products. 032054
Penicillin-testing program focuses on **contaminated** *milk.* 031944
Conditions for using automatic methods of **counting** *milk* cells: calibration and preservation of milk samples. 032985
Identification of **cow's** *milk* in sheep's milk and sheep's milk cheeses [Adulteration]. 032107
Contribution to the study of variations of mineral salt content in **cow's** *milk* in different regions of France. 032986
Major elements of **cow's** *milk.* 032995
Factors affecting progesterone concentration in **cow's** *milk* and dairy products. 034001
Vitamin content in the blood and *milk* of **cows.** 034230
Acidophilus milk products: little known **cultured** *milks* of great potential [Lactobacillus acidophilus]. 032997
Influence of thermophilic methane fermentation products on the metabolism of lactic acid bacteria [during **culturing** in *milk].* 032945
Quantity and date statements on *milk* and **dairy** products. 032120
The cooling of *milk* **destined** for the making of Grana cheese. Distribution of microflora and technical controls. 032990
Clean-up cereal and *milk* for **determination** of residues of organochlorine insecticides. 032080
Wheat gluten as a pathogenic factor in schizophrenia [Cereal grain-free and *milk-free* **diet**]. 032458
Experiences from the group rearing of calves from birth to the end of the *milk* **diet** period. 034511
Studies on the survival of thermophilic bacteria during manufacture and storage in **dried** *milks.* 032056
Dry filtering systems for bacteriologically sound powder recovery [Air pollution from manufacture of **dried** *milk].* 041623
The *milk* we **drink.** 032963
Drinking *milk* [Grading, distribution, Brazil]. 032130
Minimum concentrate feeding for **efficient** *milk* production [Dairy cattle]. 034458
The effects of heat treatment and pH [hydrogen-ion concentration] on the heat stability of recombined **evaporated** *milk.* 033015
Study on enterococci in commercial cow's and **ewe's** *milk* [Contamination]. 032159
Development of microbial flora of "Caciotta" **ewe's** *milk* cheese during ripening. 032943

Study on lactobacteria in Kashkaval cheese prepared from **ewe's** *milk* [Lactobacillus]. 033035
Test of a refrigerated **farm** *milk* tank, type RM/DX 1600, rated volume 1580 liters, manufactured by Packo, Zedelgem (Belgium). 040514
Ultrastructure of the *milk* **fat** globule membrane with and without triglyceride. 032952
Use of *milk* **fat** fractions for improvement of butter spreadability. 033006
Milk sugar, an ingredient of **fat-free** *milk* solids for ice cream manufacture. 033036
Carbohydrate-fat metabolism in the digestive system of calves **fed** *milk* with the addition of formaline. 034488
Studies on the chemical composition of market samples of shrikhand **[Fermented** *milk* product]. 032973
Effects of *milk* on **fire-retardant** cotton fabric. 031953
Microbiological evaluation of raw, pasteurised and **flavoured** *milk* [Quality control]. 032085
Utilization of soymilk in **flavoured** *milk* preparation. 032974
Lypolysis in milk as a function of *milk* **flow** conditions in milking plants. 032947
Studies of xanthine oxidase in **goat** *milk*. 032968
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of **goat** *milk*. 034317
Comparative efficiency of triphenyl tetrazolium chloride reduction test for **grading** of *milk*. 032081
High-quality *milk* and meat from all producers [Competition, farm management]. 031328
Competition between pasteurized and **homogenized** *milk* as indicated by costs, prices and consumption. 031699
Preservation of *milk* with **hydrogen** peroxide. II. Physicochemical changes in milk with respect to rennet action. 032967
Techniques permitting **increased** *milk* production: round table synthesis, July 1974, of the Argentine Rural Society. 033606
Immunoglobulins of blood and *milk* of **Indian** pure and crossbred cattle. 035073
Experiments on the influence of the frequency of feeding on rumen fermentation, food **intake** *milk* yield. 034334
Experimental materials derived from virological **investigation** of *milk*. 032150
Milk **leucocyte** counts and their significance in mastitis control [Dairy cattle]. 035162
Application of Liebermann-Burchard reaction to the unsaponifiable portion of *milk* **lipids** as a criterion for the quantitative determination of cholesterol in milk and milk products. 032992
Market *milk* products, infected by Bacillus cereus in the dairy [Contamination]. 032122
Organization and functions of the *Milk* **Marketing** board in England and Wales. 031522
The dairy goes metric *[Milk,* **marketing].** 031693
Milk **marketing** in an isolated large city [West Berlin]. 031701
Milk **marketing** and the law [Agricultural Marketing Agreement Act]. 031712
Changes in the whey protein fraction in **mastitis** *milk*, colostrum and drying off secretions. 032053
Effects of light on concentrations of some volatile **materials** in *milk*. 032977
Effect of addition of formaldehyde on the dietary value of *milk* for **mice** and its quality. 034419
Survival of foot-and-mouth disease virus in *milk* and **milk** products. 031976
On the contamination of *milk* and **milk** products with chlorinated hydrocarbons. II. Results and discussion. 032156
Photooxidation of *milk* and **milk** products: a review. 032953
Application of Liebermann-Burchard reaction to the unsaponifiable portion of milk lipids as a criterion for the quantitative determination of cholesterol in *milk* and **milk** products. 032992
Recent advances in the chemistry and physics of *milk* and **milk** products for standardisation of processing and manufacture. 032999
More European ideas for the manufacture of **new** *milk* products. 032998
Protein quality of two varieties of high lysine maize fed alone and with black beans or *milk* in **normal** and depleted weanling rats. 032306
Study of acceptability of fortesan **nutriment** *(milk* with soya flour) by the infantile population of Curico, Chile. 032312
Lactobacilli in human **nutrition** *[Milk].* 032393
Penetration of oxygen to *milk* **packed** in paper cartons [Quality]. 032119
Domiati cheese from **pasteurized** *milk*. I. Curd formation. 032934
"Stock taking" of the *milk* **policy** [European Economic Community]. 031896
Costings go metric *[Milk,* **prices].** 031692
Hygienic control of UHT [ultra-high temperature treated] *milk* **[Processing].** 033028
Conditions enabling long distance delivery of *milk* **produced** in Hokkaido. 031722
Variation in composition of *milk* **produced** in Arkansas. 032948
The *[milk]* **producer** goes metric [Marketing, Great Britain]. 031694
Evaluation of the results and outlook *[Milk* **production,** quality, sanitation]. 033614
Points of departure and goals of the research project [Dairy cattle, *milk* **production** and processing]. 033615
Filling and systematic overfilling of the 1975 *milk* **production** plan—a task having priority in the livestock production of Neubrandenburg County, with special consideration of the experience gained in the Prenzlau district. 033668
Results and experiences in the use of compressed air udder stimulation at the Dedelow Dairy *[Milk* **production,** East Germany]. 033672
Techniques and practice in *milk* **production.** 1. Lactation and milking [Physiology of mammary gland]. 033737
Estimation of *milk* **production** in nursing cows during early lactation. 033749
Comparison of the effect of 3 diets containing beets or beet pulps or maize silage on the *milk* **production** of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
The practical and economic significance of the simultaneous increasing of the frequency of milking and feeding for *milk* **production** on semi-automated dairy procedures. 034341
The relative competitiveness of "complete diets" as opposed to individual component diets in *milk* **production.** 034342
Relative feed efficiency of crossbred cows for *milk* **production.** 034380
Correlation of phenotypic variation of *milk* **production** and genetic variations of transferrin and hemoglobin types in Simmenthal cows. 034601
Testing bulls by their descendants, to assist the selection activity, aiming the increase of meat and *milk* **production.** 034801
Mating times of heifers and *milk* **productivity** of once-calved cows. 034868
Survival of foot-and-mouth disease virus in milk and *milk* **products.** 031976
On the contamination of milk and *milk* **products** with chlorinated hydrocarbons. II. Results and discussion. 032156
Photooxidation of milk and *milk* **products:** a review. 032953
Effect of modern packaging materials on the keeping quality of khoa *[Milk* **products].** 032970
Application of Liebermann-Burchard reaction to the unsaponifiable portion of milk lipids as a criterion for the quantitative determination of cholesterol in milk and *milk* **products.** 032992
Recent advances in the chemistry and physics of milk and *milk* **products** for standardisation of processing and manufacture. 032999
Heredity of economically important **properties** in *milch-cattle.* 034634
Diet and *milk* **protein** production [Cattle]. 034420
Milk-clabbering and **proteinase** activity of modified alpha-chymotrypsin sorbed on anionites. 032946
Studies on casein proteolysis. II. Total casein proteolysis as influenced by heat treatment of *milk* **proteins.** 032996
Genetic polymorphism of *milk* **proteins** in Japanese cattle and European cattle breeds in Japan. 034706
The development of an automated analytical system for the determination of somatic cells in *milk* **[Quality,** sanitation]. 031966
The development of an automated system of analysis for the determination of the bacteriological **quality** of *milk*. 031967
Bacteriological and sensory investigations on *milk* **quality** with different packaging systems. 032118
Problems in increasing the sanitary **quality** of *milk*. 032137
A collaborative study of the microtiter count method and standard plate count method for viable cell count of **raw** *milk*. 032975
Preservation of milk with hydrogen peroxide. II. Physicochemical changes in *milk* with **respect** to rennet action. 032967
Co-precipitates [caseins and whey proteins derived from *milk]*—**a review.** 033010
Domiati cheese stored at room temperature as affected by heat treatment of *milk* and different **salting** levels. 032935
Conditions for using automatic methods of counting milk cells: calibration and preservation of *milk* **samples.** 032985
The interpretation of somatic cell counts in *milk* **[Sanitation].** 031968
Milk **secretion** in the rabbit: Changes during lactation and the mechanism of ion transport. 034075
The effects of prolactin and oxytocin on *milk* **secretion** and on the permeability of the mammary epithelium in the rabbit. 034079
Identification of cow's milk in **sheep's** *milk* and sheep's milk cheeses [Adulteration]. 032107
Hygienic problems in **sheep's** *milk* and production of rennin. 032141
Clotting and proteolytic properties of Cirsium arvense **[showing** *milk* coagulating ability]. 032984
Studies on the bottle breakages, number of trips made by a bottle and efficiency of aluminum caps forming and usage in a small **sized** *milk* processing plant. 032972
Spontaneous appearance of staphylococcal variants during vacuum concentration of reconstituted **skim** *milk*. 032055
Quantitative and qualitative analysis of the microflora of **skim** *milk* powder. 032988
Hydrogen peroxide alteration of whey protein in **skim** *milk* and whey protein solutions. 032994
Experimental atherosclerosis in rabbits fed cholesterol-free diets. 6. **Skim** *milk* powder. 035368
Kids can be raised on limited amounts of *milk* **substitutes.** 034364
Surveys on the *milk* **sucking** problem in cattle. 034927
Milk **sugar,** an ingredient of fat-free milk solids for ice cream manufacture. 033036
The keeping quality of pasteurized **table** *milk*. 033005
Use of electronic computers for determining cell numbers in *milk* **tank** samples [Mastitis control]. 035273
Tetrahedron-packed *milk* for infants—a method for optimum infant nutrition [Bacteria, quality]. 032121
Rennettability of *milk* after different **thermic** treatments. 033025
Only a modest portion of **world** *milk* production is sold in international trade. 031689
The rhythm of *milk* **yield** in dairy cattle [Lactation curve]. 034091
The effect of the level of concentrates in the ration on *milk* **yield** and composition in buffaloes. 034268
Preliminary remark to the problem area II: Feeding, *milk* **yield** and economical aspects of dairy cattle husbandry. 034339
Study on *milk* **yield** and milk composition of purebred Murrahbuffalo cows and of crosses with native buffalo bulls. 034874
Some problems of leucosis genetics in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of *milk* **yield** on the rate of leucosis. 035315
The effects of copper supplementation on stock health and production. 3. The effect of parenteral copper on the *milk* **yield** characteristics of a dairy herd with hypocuprosis. 035365
Measurements of the influence of certain parameters of teat cup design used in the nonpulsating milking system, and variations in *milk* **yield** when alternating between this system and the pulsating system. 040455

MILKING

Aseptic *milking* by implanted cannulae as a model for a pulsation-free milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
Automatic *milking* machine removal. 040551
Conventional *milking* machines and the risk of infection of the bovine mammary gland. 035004
Materials for cleaning and **disinfecting** *milking* machines and udders. 033627
Automation of cleaning systems *[Milking* **equipment].** 040463
The practical and economic significance of the simultaneous increasing of the frequency of *milking* and **feeding** for milk production on semi-automated dairy procedures. 034341
Construction of a **herringbone** *milking* shed. 039690
Data processing with a process control computer in experiments related to **non-pulsating** *milking* systems. 033613
Fundamental physical phenomena of the pulsating and **non-pulsating** *milking* systems. 033776
Measurements of the influence of certain parameters of teat cup design used in the **nonpulsating** *milking* system, and variations in milk yield when alternating between this system and the pulsating system. 040455
Choice of *milking* **parlor** based on the costs of organization. 031478
Techniques and practice in milk production. 1. Lactation and *milking* **[Physiology** of mammary gland]. 033737
Lypolysis in milk as a function of milk flow conditions in *milking* **plants.** 032947
Milking without **pulsation** by means of a jacketed airflow system in single-chamber teat cups (PME [pulsation-free milking] system). 040456
Aseptic milking by implanted cannulae as a model for a **pulsation-free** *milking* technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
Milking without pulsation by means of a jacketed airflow system in single-chamber teat cups (PME **[pulsation-free** *milking]* system). 040456
Preliminary remark to the problem area I: *Milking* and **quality.** 031965
Developments in parlour and **rotary** *milking* systems—a critical assessment. 040375
The influence of **semiautomatic** *milking* plants on the sequence of operations [Livestock management]. 031263
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown **Swiss,** *Milking.* 034580
Milking **systems** for the future. 033651

MILKY

Move over, *milky* way—our **cows** are stars too [Dairy cattle]. 033694

MILLET

X-ray contrast method for seed viability determination of **cereals** and *millets.* 037565
Pattern of dry matter accumulation and distribution in **finger** *millet* genotypes in relation to levels of spacing and nitrogen. 038084
Registration of Butte **foxtail** *millet* [Setaria italica]. 036443
Performance of Setaria italica (L.) P. Beauv. **(Foxtail** *millet)* varieties for grain production. 038082
The interaction of structural and regulatory genes controlling the color of the grains of *millet* **(Panicum** miliaceum L.). I. Inheritance of the yellow and red colors of the grain. 036692
Millet **(Pennisetum** typhoides) milling techniques and value of the semolinas and flours. 033146
Registration of Abarr **proso** *millet* [Panicum miliaceum]. 036442
Effect of dairy cattle manure on *millet* and **rye** forage and soil properties. 040998

MILLING

Protein and amino acid compositions of *dry-milled* and **air-classified** fractions of triticale grain. 033209

Effect of *milling* and **baking** on the retention of thiamine and riboflavin in some new wheat varieties of Pakistan. 033142
Digestibility of finishing rations **containing** *milled* rice or corn [Beef cattle]. 034441
Export prospects of the **French** *milling* industry. 031571
Controlled sun drying of freshly harvested paddy for **improved** *milling* quality. 033265
[Pesticide] residues in *milled* **products** of durum wheat. 039542
Measurement of the size and size distribution of *milled* **rice** [Grading, standards]. 031981
Millet (Pennisetum typhoides) *milling* **techniques** and value of the semolinas and flours. 033146
Effect of *milling* on **wheat** quality. 033284

MIMICRY
Theoretical genetics of **Batesian** *mimicry*. I. Single-locus models [Butterflies]. 039862
Theoretical genetics of **Batesian** *mimicry*. II. Evolution of supergenes [Papilio dardanus]. 039863
Theoretical genetics of **Batesian** *mimicry*. III. Evolution of dominance [Papilio dardanus]. 039864
Ephedra **pollen** *mimicry* by unidentified Pleistocene plant stomata. 036115

MIMOSA
Recovery process of the sensitive plant *[Mimosa* **pudica]**. 037133

MIMUSOPS
Post-infection changes in amino-acid contents of leaves of *Mimusops* **hexandra** infected by Pestalotiopsis neglecta. 038707

MINERALOGY
Mineralogy of **clay** fractions in typical Chernozems of Ukrainian forest steppe. 040731
Clay *mineralogy*, physical, and chemical properties of some soils in arid regions of Iran. 040759
Loess in Ohio in relation to several possible source areas: II. Elemental and *mineralogical* **composition.** 040765
Translocation of iron in acid sulfate soils. I. Soil morphology, and the chemistry and *mineralogy* of **iron** in a chronosequence of acid sulfate soils [from Thailand]. 040781
Mineralogy of **topsoils** and subsoils from Camp Stream Catchment of the Waimakariri Valley, New Zealand. 040703

MINERALS
Effect of B-995 (N-dimethylamino succinamic acid) on growth, flowering and *mineral* **accumulation** of tobacco plants. 037335
Comparison of *mineral* **acids** in wet digestion of plant materials for flame and flameless atomic absorption measuremnt of metals. 037284
Increased **bone** *mineral* content in young adults with familial hypophosphatemic vitamin D refractory rickets. 032386
Redox dependence of papain enzyme activity on charged kaolinite surfaces and in solution [**Clay** *minerals]*. 040801
Mineral **composition** of canker, halo and green regions of citrus leaves infected by Xanthomonas citri. 038862
Mineral **composition** and age of a three-storied soil on the sands of the Don Steppe. 040830
[Seasonal] variation in the *mineral* **contents** of leaves of trees in miombo woodland [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. 037918
Accumulation and *mineralization* of **crop** residues in dark Chestnut soil. 040809
Recent results and experience in transport, handling and storage of urea and other *mineral* **fertilisers.** 040915
Agrochemical centre of Delitzsch increased performance and workmanship in *mineral* **fertilization.** 040910
Mineral **fertilization** of sugarbeets. 041078
Effect of *mineral* **fertilizer** and of planting density on sunflower photosynthetic rate and net productivity. 037403
Effect of *mineral* **fertilizer** application dosage, dates and methods on the yield and quality of maize grain. 041121
Growth and development of potatoes in relation to application of *mineral* **fertilizers** and prometryne. 037881
The dynamics of the content of atrazine in washing waters as related to the levels of the herbicide and of the *mineral* **fertilizers** with lime applied previously [Maize]. 039524
Applying of *mineral* **fertilizers** during mechanical hoeing of crops. 040518
Yield-related mineral fertilization for efficient use of *mineral* **fertilizers** in field vegetable production. 040943
Mineral **fertilizers** as the basis for increasing crop yields. 040989
How to raise the nutritive value of the fodder beet *[Mineral* **fertilizers].** 041004
Lime and *peat-mineral-ammonia* **fertilizers** on drained [pasture] lands. 041005
Triple superphosphate manufacture *[Mineral* **fertilizers].** 041029
Mineral **fertilizers** and biological agriculture. 041077
The effect of *mineral* **fertilizers** on apple tree yield. 041090
Precision application of *mineral* **fertilizers.** 041116
Effect of *mineral* **fertilizers** on yield and quality of winter wheat. 041122
The effect of manure and *mineral* **fertilizers** on fractional composition of phosphates in deep soddy-podzolized soil in the trans-Carpathian lowlands. 041127
The effect of *mineral* **fertilizers** on quality of yield of crops grown on irrigated peat soils. 041128
Effect of *mineral* **fertilizers** on surface and drainage water [Pollution]. 041673
Factors influencing availability of *minerals* **[Foodstuffs].** 032279
Mineral **forms** of phosphates assimilated by vineyards in conditions of recultivation. 041094
Effect of fluoride on *mineral* **metabolism** in man. 032272
Dietary protein, fat, and *minerals* in **nephrocalcinosis** in female rats. 032385
New *mineral* dyes for cotton fabrics. 033177
Estimation of soil nitrogen reserves by determination of *mineral* **nitrogen.** 041073
Rhythm of **nutrient** *mineral* uptake by the poplar [Populus x euramericana] in an nursery. 037904
Green Revolution and *mineral* **nutrient** removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Mineral **nutrient** pool and cycling in a Missouri [Quercus alba, carya] forest [Soils]. 040669
The acid-based ratio of *minerals* in **nutrition** and the work of Ragnar Berg concerning their influence on the protein requirements of man. 032473
The interaction of plants in plant communities during root feeding [trees, grasses, *mineral* **nutrition].** 037003
The influence of *mineral* **nutrition** on the development of individual roots of sitka spruce [Picea sitchensis]. 037890
Evolution of *mineral* **nutrition** of Hevea in the Ivory Coast in function of vegetative cycle according to foliar diagnosis. 040957
Applications of *mineral* **oils** for deterring potato virus Y infections in redpepper crops. 038934
Effect of *mineral* and **organic** fertilizers on the development of algae in a sod-podzolic soil. 041012
Effect on soil and **plant** *mineral* levels following three annual applications of swine manures of different copper contents. 041063
Contribution to the study of variations of *mineral* **salt** content in cow's milk in different regions of France. 032986
Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on urine and **serum** *mineral* levels in wethers [Sheep]. 035351
Effect of meadow and field utilization on physico-hydrological properties and agricultural value of *mineral-muck* **soils.** 040850
Difficulties in reclamation of river valleys with *mineral* **soils** (exemplified by the Mienia river). 041215
Effect of irrigation of productivity of meadows on muck-peat and *muck-mineral* **soils.** 041463
The importance of some *mineral* **substances** in meat [Human nutrition]. 032225
Mineral **supply** by bread and cereal products. 032248
Functional load of calcium as a test of the *mineral* **supply** of ruminants. 034491
Effects of **trace** *minerals* on biological mechanisms. 032236
Mineral **trace** elements and related deficiencies; a summarizng review and report on experimentation. 034281
Yield-related *mineral* fertilization for efficient use of mineral fertilizers in field vegetable production. 040943

MINERS
Presence in Indonesia and Malaysia of a Lepidoptera oilpalm **root** *miner*, Sufetula sunidesalis Walker, and its relationship to attacks by Ganoderma. 039238

MINIATURE
Varietal trials of *miniature* **carnation** cultivars [Dianthus caryophyllus]. 038387
An **unusual** *miniature* soybean [F2 generation]. 036420

MINIMIZATION
Capital transfer tax: *minimising* the **effects** [Agricultural properties]. 031446

MINING
Revegetating **bituminous** *strip-mine* spoils with municipal wasstewater. II. Quality of the leachate and spoil chemical changes. 040899
Usefulness of [poplar] cuttings in the biological management of **coal** *mine* dumps [Afforestation]. 035691
Forest regeneration of **lignite** *mine* terraces of the Dnieperarea and its limiting factors. 034435
Conservation plant materials make good on 'moonscape' **[Openpit** *mining*, soil reclamation]. 041199

MINKS
Jet **[black]-Aleutian** *mink* [Breeding]. 034846
Formula for obtaining **clean** *mink* skins with soft leather. 033110
Development of the giant kidney worm, Dioctophyma renale (Goeze, 1782) (Nematoda: **Dioctophymatoidea**) [Found in *mink]*. 035040
Health and **disease** [in *mink]*. 034932
Better mushrooms, hops, tabasco, and **even** *mink* [Agricultural research]. 031136
Mercury and *mink*. II. **Experimental** methyl mercury intoxication. 035400
Hygienic aspects of *mink* **feed** [Bacterial contamination]. 033581
Poultry waste products as **feed** for *mink*. 033582
Soymeal as **feed** for *mink*. 033583
Poultry manure as **feed** for *mink*. 034505
Homozygous black **Finnish** *mink* [Genetics]. 034845
Before starting a new pelting season [Skinning fur-bearing animals, **foxes,** *minks]*. 033100
An outbreak of Pseudomonas aeruginosa infection in *mink* in **Hokkaido** and inoculation with OEP vaccine. 035120
Intensive research with *mink* **[Husbandry].** 033682
Summer vaccination *[Mink,* **infectious** diseases]. 035054
Artificial **insemination** in *mink*. 034841
Cross-breeding within and between different *mink* **lines.** 034844
Mink **management** and nutrition. 033660
The skin **market** *[Mink]*. 031740
Mercury and *mink*. I. The use of **mercury** contaminated fish as a food for ranch mink [Toxicity]. 035399
Heat preservation and emission from the body surface in the *mink* **Mustela** vison. 034248
Incorporation of [2-14C [carbon isotope] acetate into lipids of *mink* **(Mustela** vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390
Inspection of *mink* **pups** [Nutrition]. 034504
Connection between August and November gradation grading of *mink* **pups** [Performance]. 034843
Factors that influence results in **raising** *mink*. 033681
Mercury and mink. I. The use of mercury contaminated fish as a food for **ranch** *mink* [Toxicity]. 035399
Three new allotypes of *mink* **serum** alpha-lipoproteins Lpm 6, Lpm 7, Lpm 8 [Genes]. 034632
Instructions for **skinning** *mink*. 033052
Guide to **skinning** *mink*. 033111
Feed **standards** for *mink*. 034502
Aleutian disease *[Minks,* **virus** diseases]. 035218

MINT
Curvularia [lunata] leaf spot of **Japanese** *mint* in India. 038649

MIRABILIS
The biology of **Harveyella** *mirabilis* (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the parasitic red algae, Harveyella mirabilis. 036112
Redescription of **Ptenidiophyes** *mirabilis* Reuter (Heteroptera: Schizopteridae). 040152

MIREX
Irradiation studies of mallard duck eggs material containing the insecticide] *mirex* **[Degradation].** 039561

MIRIDAE
A second British record of Atractotomus mirificus Woodr. **(Hemiptera,** *Miridae).* 040011
Revision of Scirtetellus Reut. (Heteroptera, *Miridae)* **[New** taxa]. 040058

MISO
Changes in lipid components of *miso-dama* **koji** [Soybean pastes, yeasts]. 033264

MISTLETOE
Dwarf *mistletoe* [Arceuthobium pusillum]-infected [Pinus] ponderosa pines survive top-pruning. 039141

MISTS
Build your **own** *mist* [propagation] control [Designs]. 040386
Mist **propagation** of cassava tip cuttings for nutritional studies: effects of substrate calcium concentration, temperature and shading. 038509

MITE
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the alimentary canal of the **bulb** *mite* [Rhizoglyphus echinopus]. 038771
A survey of *mites* in **bulk** grain stored on farms in England and Wales. 039414
The role of predatory mites [Typhlodromus occidentalis] in *mite* **control** on tree fruits. 039366
The use of pirimiphos-methyl to **control** *mites* in stored grain. 039420
Population structure and dynamics of the house **dust** *mite* Dermatophagoides farinae (Acarina: Pyroglyphidae) in Czechoslovakia. 039455
Dehydration and survival of the European house **dust** *mite*, Dermatophagoides pteronyssinus. 039855
Parasitic mites of Surinam. XXXII. New species of **feather** *mites* (Sarcoptiformes, Analgoidea). 040082
Infestations by insects and *mites* of **[forest]** trees and shrubs in 1974. 039405
Comparative susceptibility of the chorioptic mange mite, northern **fowl** *mite*, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Gamasid *mites* ectoparasites of small mammals in Iran. 039519

The origin and sources of *mite* **infestation** of stored grain and related products in the Republic of Ireland. 039419
The effects of cooling on *mite* **infestations** in bulk grain. 039418
The chemical control of *mites* **infesting** Freesia corms and Narcissus bulbs [During storage]. 039416
Mites from **lemmings** of east Taimyr. 039499
Comparative susceptibility of the chorioptic **mange** *mite,* northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Study of rickettsioses in Slovakia. II. Infestation of fleas and *mites* in **mole** nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. 039472
Satanicoptes armatus, n. Gen., n. Sp. (Astigmata: Sarcoptidae), a **new** *mite* producing mange in the Tasmanian Devil (Sarcophilus harrisii Boitard). 039486
Relict elements in the fauna of **oribatoid** *mites* of Siberia. 039695
Parasitic *mites* of Surinam. XXXII. New species of feather mites (Sarcoptiformes, Analgoidea). 040082
Negative binomial distribution of **phoretic** *mites.* 040023
Integrated control of **phytophagous** *mites* [Apples]. 039325
Semiautomated determination of Di-Syston in granular formulations [Systemic insecticide, for the control of sucking insects and *mites* on **plants**]. 039227
Studies on the biology of the **predaceous** *mite* Cunaxa capreolus Berl. (Acari, Prostigmata, Cunaxidae). 039208
The effect of insect growth regulators (IGR) on spider mites and **predaceous** *mites* [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Organophosphorus resistance in a peach orchard population of **predacious** *mites* [Acarina, Phytoseiidae]. 039339
The role of **predatory** *mites* [Typhlodromus occidentalis] in mite control on tree fruits. 039366
On the fauna of **predatory** *mites* of Phytoseiidae (Parasitiformes) from the Yaroslavl district [New taxa]. 040053
The *mites* **Proctophyllodes** picae (Koch) and Proctophyllodes orientalis Gaud on the bird myna in India. 039454
Some laboratory observations on the biology and predaceous activities of the *mite* **Pyemotes** ventricosus Newport (Acarina: Pyemotidae) [Storage pests]. 039411
Integrated control of the European **red** *mite* of apples, Panonychus ulmi (Koch). 039355
The correlation between the occurrence of both **soil** *mites* (Oribatei) and soil fungi in Qualubia Governorate. 039948
The effect of insect growth regulators (IGR) on **spider** *mites* and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Effect of the host plant [kidney bean] nutrition on the population of the two spotted **spider** *mite,* Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
Resistance to acaricides of outdoor populations of the fruit tree **spider** *mite* Panonychus ulmi (Koch) on grapes. 039369
Ageing and histological degeneration of females of **spider** *mites* (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
An analysis of feeding in Cheyletus eruditus a predator of **storage** *mites* [Acarus, biological control]. 039415
The effect of physical conditions on the development and increase of some important **storage** *mites* [Cereals and cereal products]. 039417
A new species of the **trombiculid** *mites,* Straelensia tauricasp. n., (Acarina, Leeuwenhoekiidae, Apoloniinae). 040134
An assemblage of **uropodid** *mites* on a wasp's [Rhagium inquisior] nest. 039700
New **water** *mites* (Acari, Hydrachnellae) from Australia. 040170

MITICIDE

Effects of two **cyclopropane** *miticides* on Tetranychus urticae (Acari, Tetranychidae). 039198

MITOCHONDRIA

Development of glycolytic and *mitochondrial* **activities** in the early phase of germination of Phaseolus mungo seeds [Mungo beans]. 037478
Avian *mitochondrial* glutamine metabolism. 034036
The action of thyroxine on the structure of the heart muscle **cell** *mitochondria* in prenatal ontogenesis [Chick embryos]. 034217
Coding origin of isoaccepting tRNA in yeast [Saccharomyces **cerevisiae**] *mitochondria.* 036824
Biogenesis of *mitochondria.* 43. A **comparative** study of petite induction and inhibition of mitochondrial DNA replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Biochemical and cytological studies of *mitochondrial* **development** in chloramphenicol-induced rice coleoptiles. 037360
The organization of genes in yeast [Saccharomyces carlsbergensis] *mitochondrial* **DNA.** II. The physical map of ecoRI and HindII-III fragments. 036592
The restriction of the recombination of *mitochondrial* **DNA** molecules in the zygotes of Saccharomyces cerevisiae [Yeasts]. 036593
Rearrangement of *mitochondrial* **DNA** molecules during the differentiation of mitochondria in yeast [Saccharomyces cerevisiae]. II. Labelling studies of the precursor product relationship. 036825
In vivo and in vitro synthesis of yeast [Saccharomyces cerevisiae] *mitochondrial* **DNA.** 037102
The use of fluorescent DNA-binding agent for detecting and separating yeast [Saccharomyces cerevisiae] *mitochondrial* **DNA.** 037112
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of *mitochondrial* **DNA** replication in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Translation of RNA that contains polyadenylate from yeast [Saccharomyces cerevisiae] *mitochondria* in an **Escherichia** coli ribosomal system. 037243
Cytoplasmic inheritance and *mitochondrial* **genetics** in yeasts [Saccharomyces cerevisiae]. 036584
Kinetic studies on rat liver and beef **heart** *mitochondrial* adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
Studies on the regulation of pyruvate dehydrogenase in isolated beef **heart** *mitochondria.* 033767
Lipid composition and protein profiles of outer and inner membranes from pig **heart** *mitochondria.* Comparison with microsomes. 033805
Pig **heart** *mitochondrial* ATPase [adenosine triphosphate]: properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Purification of creatine kinase from bull **heart** *mitochondria.* 033827
Organization of **inner** *mitochondrial* and chloroplast membranes. 036966
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically modified ox **liver** *mitochondrial* glutamate dehydrogenase. 033760
Special features of Pi [phosphate] transport in pig heart and rat **liver** *mitochondria* as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823
Mitochondrial **malate** dehydrogenase of bovine cerebrum. Characterization and mechanisms of inhibition by silver ions. 034029
Cytoplasmic synthesis of soluble and *mitochondrial* **malate** dehydrogenase isozymes in maize. 037356
Development of *mitochondrial* **membranes** in anaerobically grown yeast cells [Saccharomyces cerevisiae]. 037016
Production of a *mitochondrial* **mutant** of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this antibiotic [Yeasts]. 036687
X-ray diffraction from oriented **outer** *mitochondrial* membranes. Detection of in-plane subunit structure [Mung beans, potatoes]. 037658
Biochemical characteristics of the outer membranes of **plant** *mitochondria* [Mung beans, potatoes]. 037650
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of *mitochondrial* **respiratory** deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Isolation of mitochondria and techniques for **studying** *mitochondrial* biogenesis in yeasts [Saccharomyces cerevisiae]. 036586
The state of oxidative systems in the *mitochondria* of **wheat** roots under conditions of phosphorus deficiency. 037433
Rearrangement of mitochondrial DNA molecules during the differentiation of *mitochondria* in **yeast** [Saccharomyces cerevisiae]. II. Labelling studies of the precursor product relationship. 036825
Separation and some properties of the inner and outer membranes of **yeast** *mitochondria* [Saccharomyces carlsbergensis, Saccharomyces cerevisiae]. 037109

MITOSIS

The *mitotic* **activity** of germinating seeds of barley varieties differing in their cold resistance. 036371
Effect of some aromatic amines of *mitotic* **activity** of meristematic cells of maize and bean roots. 037373
Mitotic **activity** in rice seedlings germinating under oxygen deficiency. 037474
Dynamics of the **circadian** *mitotic* rhythm during formation of Haplopappus gracilis strains during culturing in vitro. 036462
Effect of DNA synthesis inhibitor 5-aminouracil on the *mitotic* **cycle** of sprouting seeds of Crepis capillaris L. 036369
Fluctuations in deoxyribo- and ribonucleoside triphosphate pools during the *mitotic* **cycle** of Physarum polycephalum [Fungi]. 036816
The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and *mitotic* **gametogenesis** in Ulva mutabilis [Algae]. 036413
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of **induced** *mitotic* recombination in diploid [Saccharomyces cerevisiae] yeast cells. 036515
The *mitotic* **oscillator** in Physarum polycephalum. [Fungi]. 037078
The *mitotic,* **polytene,** and meiotic chromosomes of Drosophila ananassae. 039854
Some aspects of *mitosis* in **primitive** green algae: phylogeny and function. 036276
A cytogenetic study of the effect of the joint action of ethyleneimine and gamma rays on the cells of Crepis capillarisseeds in two **successive** *mitotic* cycles. 036663
The possible significance of variations in the *mitotic* **systems** of the aquatic fungi (phycomycetes). 036277
Differences in the rate of *mitotic* **transformation** of chromosomes in the endosperm of some monocotyledonous plants [Irispumila, Lilium davidii, onions]. 036364
Caryokinetic activity and dosage of DNA in root tips of Allium cepa L. [Onions] **treated** with B-995 *[Mitosis].* 036389

MITRAL

Motion of both *mitral* **valve** leaflets: a cineroentgenographic study in intact dogs. 034018

MIXING

A 20-year run on tests for early growth, **breed** *mixing* for beef tonnage [Cattle]. 034741
In vivo excretions of the blue-green algae Anacystis nidulans and Synechocystis aquatilis in mono- and *mixed* **cultures.** 037277
The economic advantage of pelletization of *mixed* **feed** in Mongolia. 033548
The *mixed* **feed** industry and the animal improvement sector. 034330
The use of fats and oils as a source of energy in *mixed* **feeds** [Chickens]. 034373
Efficiency of simple and *mixed* **fertilizers** for winter wheat and barley. 041118
The efficiency of superphosphate-phosphorite fertilizer applied to *mixed* **grasses** in the Troyan area. 041036
Mixed **hardwood** forests and the continuity of timber supply in Central Sarawak. 035599
A two-year comparison of fortified corn silage and alfalfa **hay** *(mixed)* for wintering ewes. 034465
Dynamics of carbonyl-compound accumulation in **irradiated** *mixed* eggs during storage. 033118
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: immunity in chickens with low multiple doses of *mixed* **oocysts.** 035059
Experience from the operation of a **permanent** *mixing* an filling station for plant protection in fruit plantations. 038981
Surface distribution of the fatty acid side chains of phosphatidylethanolamine in *mixed* **phospholipid** vesicles [Hen egg yolk]. 033813
Quality evaluation of industrially **prepared** *mixed* feeds. 033578
Properties of *mixed* **pulps.** 035756
Preparation and use of **silage** *mixed* with protein. 033577
A **Southwestern** *mixed* conifer plantation—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. 035692
Structural and dynamical studies of *mixed* **[spinach]** chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. 037656
Seasonal growth increment of pine, spruce, oak and birch in *mixed* **stands** of the Svesskii Forest Enterprise. 035598
Problem of the regeneration of fir and *mixed* **stands** with fir with the use of improved cutting methods in the light of studies in the VIth Land—Central Poland Uplands. 035623
Studies on competition between grasses and legume in *mixed* **sward** [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243
Synthesis of a *mixed* **triglyceride** with two different fatty acids: symmetrical and asymmetrical palmitodiolene. 032908

MIXTURES

Use of rennin and pepsin in a 50:50 *mixture* and of **bovine** liquid rennet in the "caciotta" technology [Cheese making]. 032944
The residues of 2,4-dichlorophenoxyacetic acid and its *mixtures* in **cereal** plants. 039151
Effect of **cereal** *mixtures* with various moisture content on the indicator of a humidifier. 040460
Magnesium supplementation of beef cows on pasture with *mixtures* **containing** different levels of cottonseed meal. 034472
Sericea [Lespedeza **cuneata]-grass** *mixtures* [Forage varieties]. 037992
Effect of enzyme preparation addition to *mixtures* for **early** weaned piglets and broiler chickens. 034535
Effect of feeding **feed** *mixtures* containing various amounts of animal protein. 034251
The use of some by-products in **feed** *mixtures* for animals [Cattle, sheep]. 034375
Roughage-containing **feed** *mixtures* as complete diets for dairy cows. 034529
Production of high-protein quality pasta products using a semolina-corn-soy **flour** *mixture.* II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Oats and Senji form the best **forage** *mixture.* 033569
Study of the effect of **forage** *mixtures* with stabilized and non-stabilized knackery fat, used after storage, for fattening pigs. 034538
No till and seedbed production of small grains-ryegrass [Lolium] *mixture* for **forage** in east Texas [Cynodon dactylon]. 041147
Forage yields of different alfalfa varieties in pure stands and in *mixtures* with **grasses.** 037972
Thrombocytes and coagulation of blood in cows affected by a *mixture* of **nuclear** fission products [Radiation injuries]. 035438

Recent studies on biological effects of crude oils and **oil-dispersant** *mixtures* to Red Sea macrofauna [Water pollution]. 041508
Culture of lipid-forming yeasts in *mixtures* of **oxidate** and hydrolysate of peat. 037000
New **protein** *mixture* for child feeding. 032299
Investigations on the dynamics of decomposition of 2,4-dichlorophenoxyacetic acid and its *mixtures* in the **soil.** 039150
Studies on Tempeh [fermented soybean food]. I. Processing and nutritional evaluation of Tempeh from a *mixture* of **soybean** and groundnut. 033270
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the *mixtures* **studies.** 033208
Preventive effect of a *mixture* of **sulfamonomethoxine** and pyrimethamine on swine against experimental infection with Toxoplasma oocysts. 035121
Determination of vitamin D3 and its isomers in D3 resins and in *mixtures* with **vitamin** A acetate. 032367
Velocity measurement of **water-air** *mixture* [Speed measuring system]. 041335

MOBILITY

Abstracts of papers to be presented at the annual meeting of the Southern Section, A.s.a.s. [American Society of Animal Science], February 1 to February 4, 1976, *Mobile,* **Alabama.** 033639
Mobile **application** of semi-liquid manure by agrochemical centres. 041521
Mobile **device** for sampling of soil water. 040682
The present status and prospects of development of the *mobile* **distribution** of liquid manure [Equipment]. 040440
Temperature of acrylamide polymerization and **electrophoretic** *mobilities* of nucleic acids [Plants]. 036760
Aminopeptidases in webbing clothes moth larvae [Tineola bisselliella. Properties and specificities of the enzymes of intermediate **electrophoretic** *mobility.* 039639
Outdoors study multiplies in *Mobile* **[Environmental** education]. 041662
Mobile **equipment** suits present - and future - needs for Cincinnati Milacron. 032662
A fluorescent probe study of the **lipid** *mobility* of membranes containing sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
About the interrelation between individual groups of phoshates, the phosphate potential and the *mobile* **phosphoric** acid in the light Gray Forest fine loamy soil. 040869
Effect of soil organic matter and of organic fertilizers on the *mobility* of **radiostrontium** and its availability to plants. 041095
Mobile **sprinklers** for the irrigation of sown pastures. 040471

MOBILIZATION

Mobilization of **chondroitin** sulphate by nitrilotriacetic acid [Dogs]. 035441
The influence of **fat** *mobilizing* substance and dietary linoleic acid on blood plasma fatty acid composition and linoleic acid metabolism in the laying hen. 033989
Role of microorganisms in the *mobilization* and **fixation** of iron in soils. 040835
Mobilization of **metals** in the Dutch Wadden Sea. 041514
Mobilizing **society** to responsible action: the case of nutrition and the poor. 032296
Accumulation, *mobilization* and **turnover** of glycogen in the blue-green bacterium Anacystis nidulans [Algae]. 037302

MODEL

Models **aiding** national settlement policies in the USSR: a survey. 031806
An **alternative** *model* for isosmotic water transport [across low resistance epithelia]. 033931
Mathematical **alternative** *models* in water management. 041452
Reproduction of wild-caught and laboratory-born marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus) **[Animal** *models].* 034713
Systems analysis in nutrition and health planning: **approximate** *model* relating birth weight and age to risk of malnutrition. 032314
CLEAN [Comprehensive Lake Ecosystem Analyzer], the **aquatic** *model* of the eastern deciduous forest biome. 041539
Visual and cultural components of the landscape resource **assessment** *model* of the MET-LAND [Model for Metropolitan Landscape Planning] study. 041556
Analysis of the status of development of partial processes based on *model* **calculations,** illustrated by the production of wilted plants [Feed processing]. 033492
Model **calculations** and data requirements for a business assessment of weed-killing methods. 039102
Synthetic pigment-protein-lipoid **complexes**—*models* of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. 036973
Valuation of **computation** *models* to determine leakage losses of gear pumps [Equipment]. 040447
Minas Gerais has a *model* **cooperative** of sugarcane planters. 031265
Effects of baled solid waste disposal in the marine environment—a **descriptive** *model* [Water and air pollution]. 041470
Models to **determine** the design period of water supply systems in developing countries—capacity expansion. 041453
A *model* of **digging** behaviour and tunnel production in ants [Formica lemani, lasius niger]. 039812
An **economic** *model* for selection of [forest] tree varieties [Fagus, Picea abies]. 035641
CLEANER **[ecosystem** *model]:* the Lake George model. 041540
Model of **elasticities** of demand and consumption of agricultural products in Juiz de Fora, Minas Gerais. 031582
Application of two **epidemiological** *models* for the identification of slow stem rusting [caused by Puccinia graminis tritici] in wheat [varieties of varying susceptibility]. 038762
Watershed **erosion** *model* validation for southwest Iowa. 041399
Phytoplankton [Algae] *models* and **eutrophication** problems. 041543
Model for **evaluation** of the visual-cultural resources of the southeastern New England region. 041550
Investigations into the effect of large fertilizer dressings on Chernozem soil in a *model* **experiment.** 040854
The role of *modelling* and **field** experiments in understanding complex systems. 031755
Iron supplementation for gestational anemia: a *model* **field** trial. 032424
CLEANER [ecosystem model]: the Lake **George** *model.* 041540
Using the automatic interaction detection (AID) *model* to obtain **homogeneous** classifications of farmland [real estate] markets. 031149
Properties of *model* **humic** acids synthesized by phenoloxidase and autoxidation of phenols and other compounds formed by soil fungi. 040633
A *model* to **improve** forages rationally for dairy cows [Pasture management]. 038143
Modelling **influent** BOD [biological oxygen demand] data for a sewage treatment plant. 041577
A *model* for the **integration** of health and nutrition planning. 032213
Application of a **landscape-preference** *model* to land management. 031194
Effect of environmental conditions on the degradation of DDT in *model* **marine** ecosystems. 039580
The digestive transit in the rabbit. IV. Assay on the **mathematical** *modelling* of the transfers of radioactive marker between the different digestive compartments. 033752
Time series data analysis and synthesis for research watersheds **[Mathematical** *models].* 041234
Application of **mathematical** *models* to the study, monitoring and [natural resource] management of the North Sea. 041538
Visual and cultural components of the landscape resource assessment model of the MET-LAND *[Model* for **Metropolitan** Landscape Planning] study. 041556
The wing venation of Chrysopa aspersa Wesm. (Chrysopidae, Neuroptera) as a *model* for **microevolutionary** studies. 039960
New *model* for Black Pied cattle. 034743
The world food crisis: projections, *models,* and **paradigms.** 031788
Application of a **parametric** *model* to simulate flows from an urban watershed. 041425
The Macaca nemestrina as a **primate** *model* in human nutrition. 032322
Activities of specialized sugar beet **producing** *model* farmes in 1974. 038000
Assessing landscape resources: a **proposed** *model.* 041547
Aseptic milking by implanted cannulae as a *model* for a **pulsation-free** milking technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
A chloride **reduction** *model* for the Rhine River [Water pollution]. 041559
Urban analysis in the regional-national [medium-term econometric **forecasting]** *model* **REGINA** of the French economy [includes rural areas]. 031807
A *model* for a **regional** centre of nutrition education. 032681
A statistical **regression** *model* of greenhouse tomato water exchange. 037718
A *model* for the **regulation** of growth in mammalian cells. 034085
Resource *models* for production of apples, blackberries, and table grapes in northwest Arkansas [Costs]. 031428
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 **revised** *model* of watershed hydrology. A United States contribution to the International Hydrological Decade. 041432
Abisko II: A computer **simulation** *model* of carbon flux in tundra ecosystems. 036187
A *model* for the **simultaneous** production and diffusion of ferrous iron in submerged soils. 040755
Theoretical genetics of Batesian mimicry. I. **Single-locus** *models* [Butterflies]. 039862
F1 hybrids of peach and almond [Prunus amygdalus] trees as *models* for both **species.** 036383
Population differentiation under the charge **state** *model* [Drosophila willistoni]. 039752
X-ray studies of poly(amino acids) as **structural** *models* for proteins. 032836
Brown rot [Piptoporus betulinus] of [Betula] wood as a *model* for **studies** of lignocellulose humification. 035700
Model **study** of the drag coefficient of a streambed particle [Sedimentation]. 041376
Investigations on heat transfer of *model* **substances** with regard to thawing and heating of frozen foods. 032748
In vitro cultures of maize endosperm—a *model* **system** for studying in vivo starch biosynthesis. 037389
Investigations of a *model* of the **system** montmorillonite + water-soluble organic substances [Soil formation]. 040827
A property **tax** *model* for Oklahoma. 031502
Theoretical *model* of the repulsion of a particle by a freezing front in movement and experimental study [Food technology]. 032759
Study of a *model* of the **two** component plant community. 036258
Simulating erosion dynamics with a deterministic distributed **watershed** *model.* 041391

MODULI

Determination of *modulus* of **elasticity** of wood from vibrating reed measurements. 035741

MOISTURE

The most **appropriate** *moisture* content of [vegetable, grass, legume and flower] seeds for their long life span [Viability]. 037848
On the local isotherm concept and modes of *moisture* **binding** in food products. 032851
Influence of the thermal characteristics of a *moist* **clay** loam soil on the temperature regime at the surface. 040708
Compression strength adjustments for *moisture* in **commercial** Douglas-fir [Pseudotsuga menziesii] plywood. 035744
Moisture **conservation** in feed grain. 033513
Soaking of complete fattening rations high in poor roughage. 1. The effect of *moisture* **content** and spontaneous fermentation on nutritional value [Cattle]. 034275
Control of the dimensions and *moisture* **content** of sawn timber. 035844
Effect of cereal mixtures with various *moisture* **content** on the indicator of a humidifier. 040460
Studies on soil fungistasis. V. Effect of temperature, *moisture* **content** and incubation period. 040661
Change of the proportion of phosphororganic compounds in Tashkent 2 cotton variety as affected by *moisture* **deficit.** 037566
Temperature regime and [soil] *moisture-content* **dynamics** of Sierozems in the semisavannahs of southern Tadzhikistan. 040808
Moisture use **efficiency** of dryland crops as influenced by fertiliser use. II. Rabi cereals. 040884
On the differential equation for the **equilibrium** *moisture* profile in swelling soil. 040766
Some aspects to be taken into account when plowing soils with **excess** of *moisture.* 041196
On the application of water regime and soil characteristics in the diagnosis of **excessive** *moisture.* 040736
Evaluation of *high-moisture* **forrages** with ruminants. II. Changes in the chemical composition of herbage after freezing and thawing. 033561
Bowing in roof joists induced by *moisture* **gradients** and slope of grain [Wood]. 035889
Determination of the wilting [soil] *moisture* for **grapevine.** 040818
Fermentation, utilization and palatability of broiler litter ensiled with **high** *moisture* corn grain [Sheep, cattle]. 034471
Fermentation, utilization and palatability of broiler litter ensiled at different *moisture* **levels.** 033572
The effect of *moisture* on **long-term** strength of wood. 035825
Effect of **low** *moisture* level on catalase activity in some [field] crop plants during juvenile phase. 037346
Frost resistance, winter hardiness and yield of winter wheat relative to its *moisture* and **nutrition** conditions. 037604
Influence of a preservative on bermudagrass hay stored with approximately 16 and 24 **percent** *moisture* content. 033552
Some *moisture* **properties** of high-percentage cotton blends [Textiles]. 033185
Dimensional changes in peanut pods, kernels, and hulls as *moisture* is **removed** during drying. 033165
Seed *moisture* and storage [Effects on seed quality]. 032911
Root regeneration of fall-lifted white spruce [Picea glauca] nursery stock in relation to **soil** *moisture* content. 035642
Interrelationships of seedling age, inoculum, **soil** *moisture* level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Effects of high temperature and **soil** *moisture* on survival of first-instar larvae of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
Influence of **soil** *moisture* regimes and soil fertility levels on water use by summer fodder maize. 040696
Stratified sampling of **soil** *moisture.* 040705
A method for extraction of **soil** *moisture* labeled with deuterium. 040719
Soil temperature, **soil** *moisture* and the productivity of young apple trees as influenced by bitumen mulch. 040940
Effect of the initial **soil** *moisture* content and various concentrations of Curasol AE and Tylose 666 on the formation and stability of dune sand aggregates. 041171
Studies on *moisture* **status** of forest soil. IV. Development of original field tensiometer into automatic recording system and some improvements of the system. 040573
Treatment of *moist* **straw** under the management of the BrunauAgrochemical Center [East Germany]. 033554
Effects of *moisture* **stress** on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. 037036

Influence of **substrate** *moisture* level on the germination of seed of selected Pinus species. 037936
Moisture **supply** and plant productivity [Winter wheat, planting density]. 038196
The biology of cereal-cyst nematode, Heterodera avenae in India. I. Effect of *moisture* and **temperature** on the survival of cyst contents. 039004
Note on the conversion plantations in *moist* **tropical** forests. 035527

MOLASSES
Trace constituents in *molasses* **[Heavy** metal contaminants and organochlorine pesticide residues]. 031961
Desugarization of *molasses* **increase** of yield of white sugar. 033219
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media **(such as *molasses* media)** from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
Induction of bovine polioencephalomalacia with a **feeding** system based on *molasses* and **urea.** 035398

MOLD
Multiple forms of acid phosphatase of the *mould* **Aspergillusawamori** str. 22. 037225
The control of *moulds* on **avocado** and its effect of the change in the flora of pathogenic fungi on the fruit. 038624
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, melons, celery, onions, **bacteria,** *molds].* 038859
A biochemical study of tobacco **blue** *mould* [Peronospora tabacina] pathogenesis. VI. On some resistance factors. 038606
The biology and pathogenicity of fungi **causing** *moulds* on avocados after harvest. 038623
Man-molded **cereal**—hybrid corn's story [Breeding]. 036714
Lentic *moulds* [Fungi] of southern Lake Winnebago. 036155
Cellular **slime** *molds* [Dictystelium] of southeast Asia. I. Description of new species [Acytostelium subglobosum]. 035952
Cellular **slime** *molds* [Dictyostelium, Polysphondylium, Acytostelium] of southeast Asia. II. Occurrence and distribution. 035953
The synthesis of messenger RNA in the cellular **slime** *mold* Dictyostelium discoideum. 036550
Poly(adenosine diphosphate ribose) glycohydrolase in Physarum polycephalum **[Slime** *molds].* 036786
Studies on the alkaline phosphatase and 5'-nucleotidase of Dictyostelium discoidleum [Cellular **slime** *mold].* 036789
Acid protease activity during germination of microcysts of the cellular **slime** *mold* Polysphondylium pallidum. 037010
DNA breakage caused by dimethyl mercury and its repair in a **slime** *mould,* Physarum polycephalum [Fungi]. 037131
Slime *moulds* [Acrasiales, Myxomycetes] in biological research. 037256
New Zealand fungi. 24. Capnokyma corticola gen. Nov., sp. Nov., a hyphomycetous **sooty** *mould.* 036069
The unsightly **sooty** *molds* [on ornamental plants]. 038629
Fungi in foods. VII. A comparison of the surface, pour plate, and most probable number methods for enumeration of **yeasts** and *molds.* 032094

MOLECULES
Prospects of the use of achievements of *molecular* **biology** in agriculture [Plant breeding]. 036653
The restriction of the recombination of mitochondrial **DNA** *molecules* in the zygotes of Saccharomyces cerevisiae [Yeasts]. 036593
Rearrangement of mitochondrial **DNA** *molecules* during the differentiation of mitochondria in yeast [Saccharomyces cerevisiae]. II. Labelling studies of the precursor product relationship. 036825
High *molecular* weight RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain two subunits. 035105
Formation of *molecular* **hybrid** forms in the system of isozymes of malate dehydrogenase in cotton and Fusarium [oxysporumvasinfectum]. 038804
Photoproduction of *molecular* **hydrogen** by a plant [Azolla]-algal symbiotic system. 037259
Radioisotope studies showing the role of phosphorus in the formation of a **large** *molecular* weight organic compound present in lake water. 041285
Isolation of a **low** *molecular* weight active fragment of potato proteinase inhibitor IIb. 037766
Effect of heat shock on the synthesis of **low** *molecular* weight RNAs in Drosophila: accumulation of a novel form of 5S RNA. 039671
Molecular **mechanisms** of stimulating effect of ionizing radiation on seeds: Activation of RNA synthesis [Castorbeans]. 037249
On some *molecular* **mechanisms** retaining water in plant cells. 037264
Molecular **mechanisms** of the thermoinactivation of [plant and animal] viruses. 038940
Filamin, a **new** *high-molecular-weight* protein found in smooth muscle and non-muscle cells [Chickens]. 034146
Determination of *molecular* **nitrogen** in studying gaseous losses. 040820
Synthetic pigment-protein-lipoid complexes—models of *molecular* **organization** and functional properties of the pigment system of the photosynthetic apparatus. 036973
Effect of **polyelectrolyte** *molecular* weight and stock agitation on filler retention [Paper manufacture]. 035881
Study of *high-molecular-weight* **polyphosphates** at different stages of development of Acetabularia crenulata [Algae]. 037282
The *molecular* **relatedness** of R factors in enterobacteria ofhuman and animal origin. 035107
Molecular **size** and the information content of chloroplast DNA s from higher plants. 036314
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of *molecular* **species** of phosphatidyl choline in weanling rat liver. 032405
Molecular **structure** of the polysaccharide exudate from Acacia baileyana F. Muell. [Raw gum]. 032769
Researches in the field of seaweeds [Cystoseira barbata] chemistry. IV. *Molecular* **structure** of alginic acid [Algae]. 036863
Crystal and *molecular* **structure** of eupatolide, the major cytotoxic principle from Eupatorium formosanum Hay. 037024
Interactions of mycotoxins [produced by toxicogenic fungi] with **substrate** *molecules* and macromolecules [Food research]. 032112
Technological control of dry sausage ripening. V. Quality of dry sausages as a function of *molecular* **weight** of added carbohydrates. 033068
Haemolymph proteins in Porcellio laevis Latreille (Porcellionidae, Isooda): the *molecular* **weight.** 039683

MOLES
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in *mole* **nests** in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. 039472

MOLLUSKS
Factors influencing the biosynthesis of beta-galactosidase in **Alternaria** *tenuis* [Fungi]. 037117
Preparation and properties of beta-galactosidase from **Alternaria** *tenuis* [Fungi]. 037227
Observations on the condition of red clover seeds during storage [Botrytis anthophila, **Alternaria** *tenuis].* 038793
Filarial infections of dogs in the *Zaria* **area.** A microfilarial survey. 034994
Intraspecific variability of reactions controlling the larval diapause in **Calliphora** *vicina* (Diptera, Calliphoridae). 039713
A method of tracing fungi inoculated into the stems of living maple [Acer saccharum, **Coniochaeta** *velutina].* 038578
A note on light and electron microscopy studies of white pine [wood] exposed to marine *[mollusk* and **crustacean]** borer damage. 035894
The polyphenol of **Dioscorea** *alata* (yam) tubers associated with oxidative browning. 033416
The Australian spider beetle **(Ptinus** *tectus)* [Pests of stored products]. 039430

MOLT
Radioimmunoassay of **arthropod** *moulting* hormone: beta-ecdysone antibodies production and 125I [iodine isotope]-iodinatedtracer preparation. 039743
The Rhodnius testis: hormones, differentiation of the germ cells, and duration of the *molting* **cycle.** 039667
The function of *moulting* **hormones** during insect development. 039944

MOLYBDATES
Stabilization of harvest of the [grape[variety Neuburger by means of inhibiting substances and spraying with **ammonium** *molybdate.* 038412

MOLYBDENUM
The effect of *molybdenum* on the **conversion** of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep [Nutritional biochemistry]. 034347
Molybdenum nutrition of maize (Zea mays L.) on an Avalon medium sandy loam as affected by *molybdenum,* **lime** and phosphate applications. 040863
Molybdenum in the soils of Andizhan oblast and prospects for using *molybdenum* **micronutrients** [Irrigation]. 041096
Molybdenum **nutrition** of maize (Zea mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and phosphate applications. 040863
Molybdenum in the **soils** of Andizhan oblast and prospects for using molybdenum micronutrients [Irrigation]. 041096
Molybdenum—a **toxicological** appraisal [Man and animals]. 031988

MONARCH
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the synthesis of dihydroterpenediol secreted by the **African** *monarch* butterfly [Danaus chrysippus]. 039935

MONEY
Use your feed to make more *money.* 10 **[Cattle,** returns]. 031483
Using cooperative **members'** *money.* 031450
How two lunch programs **save** *money.* 032572
Nitrogen [for sugarbeets]: why **waste** *money?* 040892
World *monetary* conditions in relation to agricultural trade [Statistics]. 031739

MONILIA
Contribution to the study of cytokinin production by phytopathogenic fungi *[Monilia,* **Cytospora].** 038579
Technical and sanitary aspects on the control of brown rot *[Monilia]* of **peaches** and plums [Fungicide residues]. 038727

MONITORING
Automatic *monitoring* of effluents—a feasibility study [Wastewater treatment]. 041567
Instrumentation for **biological** *monitoring* of industrial wastes. 041576
USDA to **continue** *monitoring* all export sales contracts. 031614
A CO [carbon **dioxide]2** *monitoring* and control system for plant growth chambers. 037143
A rapid spectrophotometric method for the *monitoring* of **embryonic** development in ticks [Boophilus decoloratus] (Acarina: Ixodoidea). 039893
Strategies for *monitoring* **environmental** impacts on the upper Mississippi River. 041585
The development of a **harmonized** *monitoring* programme for rivers in the United Kingdom [Water quality]. 041422
A method of separating and *monitoring* **honeybee** [Apis mellifera] flight activity at the hive entrance. 040241
Variations of the municipal waste effluent quality and the **implications** for *monitoring.* 041587
Application of mathematical models to the study, *monitoring* and **[natural** resource] management of the North Sea. 041538
Monitoring **pesticides** by means of changes in electric potential caused by fish opercular rhythms. 039587
Aerial **photographic** *monitoring* of selected water quality parameters. 041296
A preliminary analysis of [effluent] treatment **plant** *monitoring* programs. 041561
Studies of tolerance to heavy metals in the flora of the rivers Ystwyth and Clarach, Wales [Algae, **pollution** *monitoring].* 036951
Food consumption surveys: a data source for *contamination-monitoring* **programmes.** 032230
A water **quality** *monitoring* system for NOAA [National Oceanic and Atmospheric Administration] data buoys. 041295
State of Wisconsin automatic water **quality** *monitoring* system for the Fox and Wisconsin Rivers. 041325
Strategies for water **quality** *monitoring.* 041424
Data acquisition systems for remote **underwater** *monitoring* platforms [Environment protection]. 041569
Efficient strategies for sampling and *monitoring* **[Water** analysis]. 041301

MONKEYS
From attentiveness to sleep. A topographical analysis of localized "synchronized" activities on the cortex of normal **cat** and *monkey.* 033708
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [selenium isotopes] in the mouse, rat, *monkey* and **dog.** 033909
The *Macaca* **nemestrina** as a primate model in human nutrition. 032322
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and **rheusus** *monkey* heart. 034069
Ketamine HCl [hydrogen chloride], a dissociative anesthetic for **squirrel** *monkeys* (Saimiri sciureus) [Laboratory animals]. 034910
A review of reproductive patterns in New **World** *monkeys* [Laboratory animals]. 034710

MONOAMINES
Monoamine **fluorescence** in the median eminence of the Japanese quail, Coturnix coturnix japonica, following medial basal hypothalamic deafferentation. 033859
Distribution of type A and B *monoamine* **oxidase** activities in the central nervous system of rat and chick. 033889
Effects of injections of *monoamine* **oxidase** inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667

MONOCHAETIA
A new species of *Monochaetia* **[dimorphospora,** Fungi] with arthroconidia. 036150

MONOCHAMUS
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, *Monochamus* **urussovi].** 039876

MONOCOTYLEDONS
Nomenclatural adjustments in some **European** *monocotyledons.* 036014
Differences in the rate of mitotic transformation of chromosomes in the endosperm of some *monocotyledonous* **plants** [Irispumila, Lilium davidii, onions]. 036364

MONOCROTOPHOS
Residues of the insecticides carbaryl and *monocrotophos* in **honeybee** [Apis mellifera] colonies. 039567

MONOCULTURES
Effect of **Eucalyptus** *monoculture* on the status of soil organic matter in natural sal (Shorea robusta) zone in Doon valley. 040658

MONOGERM
On the chemical composition of *monogerm* **sugarbeet** seeds. 037606
Achievements in breeding of *monogerm* **sugarbeets.** 036624

MONOMORIUM
Investigations on the social organization in the Pharaoh's ant, *Monomorium* **pharaonis** L. (Hymenoptera, Formicidae). I. The regulation of the broad cycle. 039814

MONONUCLEOTIDES
Adenosine triphosphate: **nicotinamide** *mononucleotide* adenylyltransferase of pig liver. Purification and properties. 033784

MONOPHOSPHATES
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and enzyme secretion by the pancreas [Cyclic **adenosine** *monophosphate].* 033944
The role of calcium and of cyclic AMP [**adenosine** *monophosphate]* in pancreatic secretory processes. 033946
Effects of **adenosine** *3':5'-monophosphate-dependent* protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039
Attempts to detect cyclic **adenosine** *3':5'-monophosphate* in higher plants by three assay methods [Oats, tobacco, potatoes, lettuce]. 037519
The influence of cyclic **3'5'-adenosine** *monophosphate* on the induction of tumour transformation of carrot tissue. 037875
Role of calcium and cyclic AMP [**adenosine** *monophosphate]* in controlling fly [Calliphora] salivary gland secretion. 039799
Effects of dibutryl cyclic AMP *[adenosine-5'-monophosphate]* on **cultured** brain cells from chick embryos of different ages. 033892
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a phosphorylation involving an adenosine **3':5'-cyclic** *monophosphate-dependent* protein kinase. 034200
Evidence for the existence of two types of cAMP [**cyclic** *adenosine-5'-monophosphate]* binding sites in aggregating cells of Dictyostelium discoideum [Fungi]. 036862
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous **deoxythymidine** *5'-monophosphate* in 5'-dTMP low requiring strains. 037125
Discovery of a **3',5'-guanosine** *monophosphate* simulating factor in amoebae of Dictyostelium discoideum [Fungi]. 036812
Cyclic **guanosine** *3',5'-monophosphate.* High levels in the male accessory gland of Acheta domesticus and related crickets. 039640
Cyclic nucleotide phosphodiesterase in silkworm [Bombyx mori] characterization of cyclic GMP [**guanosine** *monophosphate]* phosphodiesterase. 040213
Role of cyclic-AMP *[adenosine-5'-monophosphate]* on **morphogenesis** in Chironomus thummi thummi (Kieffer). 039804
CAMP [cyclic adenosine-3',5', *monophosphate]* as a **second** messenger in central blood pressure control [Cats]. 035366

MONOSACCHARIDE
Polysaccharides of Matricaria chamomilla. I. *Monosaccharide* **composition** of the polysaccharide complex. 036893
Intestinal uptake by starved-refed rats of sugars derived from disaccharides and from their *monosaccharide* **equivalents.** 032412

MONOSODIUM
The induction of obesity in rodents by means of *monosodium* **glutamate.** 032190

MONOTERPENES
Mechanism of *monoterpene* **volatilization** in Salvia mellifera. 037168

MONOVALENT *see* **VALENCE**

MONOXIDE
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, **carbon** *monoxide,* nitric oxide, oxygen] complexes of reduced horseradish peroxidases. 037639

MONTANE
Vascular plants of *montane* **coniferous** forest in San Bernardino Mountains, California. 036059

MONTMORILLONITE
Infrared study of exchangeable cation **hydration** in *montmorillonite.* 040763
Investigations of a model of the **system** *montmorillonite* + water-soluble organic substances [Soil formation]. 040827

MOOR
Moor **forestry** in France [Pinus pinaster]. 035541
Moor **House** [Nature Reserve], United Kingdon [Vegetation, soils]. 036197
A survey of the invertebrates of four streams in the *Moor* **House** National Nature Reserve in northern England [Includes insects]. 040083
A *moor* is not **merely** ground peat [Soil genesis]. 040681
The **Tohela** *moors* [Plant ecology]. 036170

MORAIN
Micromorphology of Sod-Podzolic soils on a *moraine* and on **mantle** loam. 040829

MORAXELLA *see* **BRUCELLACEAE**

MORIO
A case of mass flight of **Sehirus** *morio* L. 039645

MORNING
Extraction and identification of clavine and lysergic acid alkaloids from *morning* **glories** [Ipomoea]. 037144

MORPHACTIN
A scanning electron microscope study of the structures of normal, tension and *morphactin* IT 3456 **induced** wood in Aesculus hippocastanum. 035703

MORPHINE
Raw stuff bulk and *morphine* **content** of soporific poppy (Papaver somniferum L.) as affected by the fruit stalk length. 037830

MORPHOGENETIC
Effect of cultural conditions on **apothecial** *morphogenesis* in Pyronema domesticum [Fungi]. 036854
Role of cyclic-AMP [adenosine-5'-monophosphate] on *morphogenesis* in **Chironomus** thummi thummi (Kieffer). 039804
Hormonal regulation of *morphogenesis* and **cold-resistance.** II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
Morphogenesis in **explants** of Citrus microcarpa bunge grown in vitro. 037754
Histological aspects of the effects of vinblastine on the *morphogenesis* of the **foot** of the chick embryo. 034052
Morphogenesis of **hybrids** between guinea fowl and chicken. 034585
Morphogenesis of **intestinal** villi. II. Mechanism of formation of previllous ridges [Chick embryos]. 034053
Morphogenetic **mosaicism** with respect to the homoeotic mutation "aristapedia" in Drosophila melanogaster. 039923
Current literature on **phytopathological** *morphogenesis* and cecidology an annotated bibliography. 039033

MORPHOLOGY
Morphological and **biochemical** blood changes in cows chronically exposed to strontium 90. 034243
Morphological and **biological** adaptations of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Materials concerning the *morphology,* **biology** and taxonomy of some species of Phytomyza Fallen (Diptera, Agromyzidae). 039994
Population study of Saccharomyces cerevisiae [yeasts]. I. **Cell** *morphology* and age categories distribution in dependence on the medium composition in a continuous cultivation. 036833
On the *morphology* of the **ceratoneon** thrips galls of Schefflera racemosa Harms. [Liothrips ramakrishnae]. 039236
Induction of *morphological* **changes** and the effect of induced changes on the fertilizing capacity of cock spermatozoa. 034650
The occurrence of C19 [carbon] steroids in testicular tissue and submaxillary glands of intersex pigs in relation to *morphological* **characteristics.** 034699
Effects of the amount of nitrogen absorbed up to the stage of 90 in leaf number index on the *morphological* **characteristics,** the degree of lodging and the yield components in rice plants. 037541
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with *morphological* **characters** of an ear. 036501
Diallel cross experiment among Sikkimese varieties, indica and japonica testers of rice, Oryza sativa L. III. *Morphological* **characters.** 036582
Genetic variability studies of isoperoxidases and *morphological* **characters** in sugarcane subclones produced by "in vitro" culture. 036633
Effect of different dosages of nitrogen fertilization upon some *morphological* **characters** of RTV [rice tungro virus] infected rice varieties. 038909
Pachytene **chromosome** *morphology* of Solanum nodiflorum Jacq. 036299
Innervation of salivary glands, *morphological* **considerations** [Rabbits]. 033953
Glycine canescens F. J. Herm., a wild relative of the soybean *[Morphological,* **cytological,** and certain chemical characteristics]. 036301
Studies on the *morphology* and **dimensions** of tree crowns in even-aged stand of sugi [Cryptomeria japonica]. I. Crown form. 035567
The *morphology* of the **dorsal** and ventral eye of the whirligig beetle Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). 039953
The intracellular digestive apparatus of cultured chicken heart cells. A *morphological,* **enzyme** cytochemical, and morphometriec study. 034247
The crested wheatgrasses [Agropyron cristatum] of Iran [Distribution, cytology, *morphology,* and **fertility].** 035997
Freeze-fracture *morphology* of gap junctions in the trophoblast of the mouse embryo. 034086
Proteases of Neurospora crassa: their role in *morphology* **[Fungi].** 036318
Reproductive biology and **gametophyte** *morphology* of Acrostichum danaeifolium from Mexico [Pteridophyta]. 036263
Experimental mutagenesis in apple. III. *Morphological* and **genetic** effects in Malus domestica, induced by N-nitroso-N-methylurea. 036672
Plasma cells in the avian harderian gland and the *morphology* of the **gland** in the rook [Poultry, quail]. 033854
Morphology and **growth** kinetics of hyphae of differentiated and undifferentiated mycelia of Neurospora crassa [Fungi]. 036324
The evolution of subdioecy in *morphologically* **gynodioecious** species of Fuchsia sect. Encliandra (Onagraceae). 036488
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the mature sporophyte phase. I. *Morphological,* **histochemical** and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
A revision of the spider genus Loxosceles Heinecken & Lowe, 1835 (Araneae: Scytodidae) in southern Africa with notes on the natural **history** and *morphology.* 040096
Morphologic **interpretation** of fertile structures in glossopterid gymnosperms [Paleobotany]. 036131
Studies on the leaf-margins. 2. On the **leaf-margin** *morphology* of Cercidiphyllum japonicum Sieb et Zucc. 036327
The **nucleolar** *morphology* in anther tissues of the onion Allium fistulosum L. 036372
Morphological and **physiological** bases of some locomotor disturbances of swine raised on a large-scale. 035381
Morphological and **physiological** characteristics of the apical meristem of the shoot of Quercus robur at various stages of ontogeny. 036331
Morphological **picture** of testes of bulls infected with microorganisms of the genus Chlamydia. 035009
A note on the **pollen** *morphology* of Corchorus capsularis Linn. Corchorus olitorius Linn. and their hybrid. 036304
Preimaginal *morphology* of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. (Diptera, Tabanidae). 039725
Relation between amylase release and changes in electrophysiological and *morphological* **properties** of cells in the exocrine pancreas. 033957
Study of the variability of some *anatomical-morphological* **properties** of wheat grain. 036358
Morphology of **Protosalvinia** [Algae] from the upper Devonian of Ohio and Kentucky [Paleobotany]. 035955
Thick Bh [humate] horizons in the North Carolina coastal plain. I. *Morphology* and **relation** to texture and soil ground water. 040779
Identifying Kentucky bluegrass (Poa pratensis) cultivars by **seed** *morphological* characters. 038151
Micromorphology of **Sod-Podzolic** soils on a moraine and on mantle loam. 040829
Translocation of iron in acid sulfate soils. I. **Soil** *morphology,* and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Methods of irrigation and water regime of lucerne as affecting its *morphological* **structure** and root system. 041423
The *morphology* and **systematic** position of the green algae Ernodesmis and Apjohnia. 036113
Fauna Argentinensis . VII. The Nahuel Huapi National Park. 316. Contribution to the *morphology* and **systematics** of the Scolytoidea. 040144
Morphology and **taxonomy** of Helminthosporium catenarium (Drechslera cateneria). 038033
Synonymy of bark beetles XXVI. 318. *Morphology* and **taxonomy** of Scolytoidea. 040160
An effect of osmotic pressure on the **valve** *morphology* of the diatom Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036338
Morphological **wealth** in Gymnocalycium [Succulents]. 036360
Studies on the embryology and *morphology* of the **whip** spider, Tarantula marginemaculata C. L. Koch (Arachnida, Amblypygi, Tarantulidae). 039951

MORPHOMETRIC
Endocrine activity during caste differentiation in Zootermopsis angusticollis Hagen (Isoptera): a *morphometric* and **autoradiographic** study. 039661

MORTALITY
Small calves—What's new! Can **calf** *mortality* be lowered? [Husbandry]. 033643
Why do the layers **die?** *[Mortality].* 034885
The *mortality* **factors** of experimental populations of Lymantria dispar in a larch [Larix leptolepis] plantation and natural forest. 039389
Effect of improved nutrition during pregnancy and lactation on developmental retardation and **infant** *mortality.* 032273

Effect of margosa & marigold root exudates on *mortality* & **larval** hatch of certain nematodes. 039001
Neonatal behavior and **nutrition-related** *mortality* in domestic swine [Piglets]. 034005
Pupation sites of pink bollworms [Pectinophora gossypiella]: **potential** *mortality* resulting from cultivation of irrigated cotton. 039307
Preweaning *mortality* in pigs. 6. Incidence and causes of pneumonia [Streptococcus, Haemophilus parahaemolyhticus, Bordetella bronchiseptica]. 035174
The influence of parental age on the genetic quality of the progeny of mice. III. The *mortality* of **progeny** in succeeding generations. 034621
The *mortality* of **puppies** controlled by use of an interferon inducer. 035141

MORTEM *see* DEATH

MOSAIC
Studies with cowpea **aphid-borne** *mosaic* virus and its effect on cowpea in Iran [Vectors]. 038932
Field studies with **apple** *mosaic* virus. 038927
The packing of southern **bean** *mosaic* virus [cowpea strain] in various crystal cells. 038924
Studies on the interaction between **bottle-gourd** *mosaic* virus and powdery-mildew fungus, Sphaerotheca fuliginea. 038913
The influence of **bottle-gourd** *mosaic* virus and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Studies on a virus **causing** *mosaic* disease of chilli [Aphis gossypii, Aphis craccivora, Myzus persicae vectors]. 038907
A *mosaic* **disease** of potato caused by potato virus S. 038881
Survival of Ms/—males in two lines of mice selected for a different expression of the **gene** *mosaic* (Ms) in heterozygous females. 034620
Fate mapping of nervous systems and other internal tissues in **genetic** *mosaics* of Drosophila melanogaster. 039689
The transmission and effect on yield of rye **grass** *mosaic* virus in a filtered air environment. 038880
Electron microscopy of some grasses and cereals infected with cocksfoot mottle, phleum motle and cocksfoot **milk** *mosaic* virus. 038919
Morphogenetic *mosaicism* with respect to the homoeotic mutation "aristapedia" in Drosophila melanogaster. 039923
A double-helical structure for re-aggregated protein of **Narcissus** *mosaic* virus. 038918
Optical diffraction from particles of **Narcissus** *mosaic* virus. 038920
Identification of **snakegourd** *mosaic* virus. 038911
Natural infection test with **sugarcane** *mosaic* virus. 038891
Polymorphism and *mosaicism* for **supernumerary** chromosomes in silver roxes [Fur bearing animals]. 034823
The inhibitory activity of alginic acid against **tobacco** *mosaic* virus infection. 038886
Activity and localization of succinyl-conzyme A synthetase in tobacco leaves infected with **tobacco** *mosaic* virus. 038900
Fate of **tobacco** *mosaic* virus after entering the host cell. II. Electron microscopy of virus particles recovered from inoculated leaves. 038926
The structure of the protein disk of **tobacco** *mosaic* virus to 5 A [angstrom] resolution. 038930
Influence of the **tobacco** *mosaic* virus (TMV), artificially inoculated, on yields of Virginia tobacco. 038938
Infection of Pythium arrhenomanes in vitro with **tobacco** *mosaic* virus and tobacco necrosis virus. 038946
Appearances of microtubules [of Nephrotoma saturalis and rats] after various fixative procedures, and comparison with the appearances of **tobacco** *mosaic* virus. 039824
The influence of bottle-gourd mosaic virus and brinjal [eggplant] *mosaic* **virus** on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Zinnia elegans Jacq.—the latent host of **watermelon** *mosaic* virus. 038896
Cytopathology of large cardamom and ginger infected with **wheat** *mosaic* streak virus. 038680
Fluorescence microscopy in relation to **wheat** *mosaic* streak virus disease. 038910
Serological differences between some isolates of bean **yellow** *mosaic* virus. 038876
Purification and serology of bean **yellow** *mosaic* virus [transmitted by Myzus amaranticolor]. 038883
Effect of **yellow** *mosaic* on the composition of free amino acids in the grape leaves. 038902
Some aspects of the relationship between mung bean **yellow** *mosaic* virus and its vector Bemisia tabaci. 038912

MOSELLE
Resistance of Botrytis cinerea to systemic fungicides in the valley of the *Mosel* and **Saar** [Grapes]. 038829

MOSQUITOES
Linkage of the genes for DDT and dieldrin resistance in larvae of the *mosquito* **Aedes** aegypti. 039450
Stability of pyrethrins in *mosquito* [**Aedes** aegypti] coils under long storage—a note. 039509
An eclosion timing mechanism in the *mosquito,* **Anopheles** gambiae. 039834
Mosquitoes, **arboviruses** and vertebrates [Infections of man]. 039459
Some observations on the biological performance of Pyrethrum **based** *mosquito* [Aedes aegypti] coils. 039508
A survey of haematophagous arthropods in western Himalayas, Sikkim and hill districts of West Bengal: records of *mosquitoes* **collected** from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. 039462
Pyrethrins and pyrethroids in coils—a review *[Mosquito* **control].** 039506
Pyrethrum airsprays **control** *mosquitoes* [Aedes taeniorhynchus] in the Caribbean. 039507
Genetics of eye-gap and maroon-eye mutants in the *mosquito* [**Culex** pipiens]. 039852
Peculiarities in the structure of the female's head as a taxonomic character in the family of *mosquitoes* **[Culicidae].** 040055
Autogenetic development of ovaries in *mosquitoes* of the **genus** Aedes (Diptera, Culicidae) in the south Yamal. 039965
A study of the host selection patterns of the *mosquitoes* of the **Kisumu** area of Kenya [Vectors of disease to man]. 039511
Aedes hendersoni: failure of **laboratory-infected** *mosquitoes* to transmit LaCrosse virus (California encephalitis group). 039473
Overcrowding factors of *mosquito* **larvae.** VII. Preparation and biological activity of methyloctadecanes and methylnonadecanes against mosquito larvae [of Culex pipiens quinquefasicatus]. 039468
Mosquitoes, **malaria** and man. 039460
Collection records of the **project** *"Mosquitoes* of Middle America". 3. Bahama Islands (BAH), Cayman Islands (CAY), Cuba (CUB), Haiti (HAC, HAR, HAT) and Lesser Antilles (LAR). 040121
Mosquitoes [**Vectors** of diseases]. 039461

MOSS
The deposition of particles on *moss* [**Hypnum** cupressiforme] and grass surfaces [Indicator plants]. 036176
Influence of illumination and litter-drop on the development of certain species of *mosses* [**Musci,** Picea, forests]. 036251
The loss of the ability for the transfer of cryptobiosis (anabiosis) in **poikiloxerophyte** *moss* Funaria hygrometrica. 036917
Recurrence surfaces in **Rusland** *Moss,* Cumbria (formerly north Lancashire) [Calluna, Sphagnum, musci]. 036223

MOTHERS
Cost in relation to benefits for *Mothercraft* **Centers** in Haiti, 1964-1974 [Nutrition]. 032266
Mothercraft **Centers** Project. 032686
From *"mother* **cow"** to "brood cow". Some impressions of a visit to the world's largest embryo transplant center [Breeding]. 034715
Nutrition, *mother's* **health** and fertility: the effects of childbearing on health and nutrition. 032440
Transition of immunity from the *mother* to the **offspring** in ruminants. 035210
Study on the effect of dimethylsulphate on the development of *mother* **pollen** cells in Coreopsis tinctoria. 036280
A standardized vitamin **profile** for 174 *mothers-neonates.* 032258
Mother-infant **relationship** prior to the development of clinically severe malnutrition in the child. 032298
Neutralizing antibodies of colostral origin in calves born of *mothers* **vaccinated** against foot-and-mouth disease. 035021

MOTHS
Prognosis concerning attack on apples by *moth* **(Argyresthia** conjugella Zell). 039334
Effect of germination on the carbohydrates, proteins, trypsin inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and *moth* **bean** [Twinflower dolichos]. 032407
Effect of salt and abscisic acid on in vitro activity of nitrate reductase in seedlings of Phaseolus aconitifolius *[Moth* **beans].** 037611
Aminopeptidases in webbing **clothes** *moth* larvae [Tineola bisselliella. Properties and specificities of the enzymes of intermediate electrophoretic mobility. 039639
Use of Trichogramma and Entobakterin for [biological] control of the **codling** *moth* [Carpocapsa pomonella, pest of apples]. 039368
Field tests using a granulosis virus to control the **codling** *moth* (Laspeyresia pomonella (L.) [Apple pests, biological cntrol]. 039370
Moths of the **families** Sphingidae, Notodontidae and Agaristidae observed in Ku-ring-gai Chase National Park, New South Wales. 039985
New fruit pests: the oriental **fruit** *moth,* Grapholitha (Laspeyresia) molesta Busch, on the peach tree. 039311
Sex attractant curbs **gypsy** *moth* [Porthetria dispar, forest trees]. 039375
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of **larch** *moths* (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
Nuclear structures in the ovarioles of the *moth* **Laspeyresiapomonella** sex chromatin in trophocytes. 039931
The green oak **leafroller** *moth* [Tortrix viridana] and its entomophages in Ivano-Frankovskii Region [Natural control]. 039395
Environmental regulation of the population size of the oak leaf **roller** *moth* (Tortrix viridana L.) in the Niepolomice Forest. 039384
Cephalic and thoracic nerves of the castor **silk** *moth* Samia ricini (Lepidoptera, Saturniidae). 039606
Toxic effects of copper on **turnip** *moth* (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on fertility of imagos. 039318
The influence of intracoelomal injections of solutions and suspensions on the phagocytosis with larvae of the **wax** *moth,* Galleria mellonella (L.). 039644

MOTILITY
Adenine nucleotide changes at initiation of bull **sperm** *motility.* 034665
Studies on whole semen and epididymal contents in a bull with low post-thawing **sperm** *motility.* 034767

MOTIVATION
Motivation of **study** of agricultural students during their tuition. 031025

MOTONEURONS
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with **flight** *motoneurones.* 039845
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with **ventilatory** *motoneurones.* 039846

MOTORS
Comparison of synaptic vesicle sizes in axonal profiles synapsing on neuronal bodies and dendrites in the **cat** *motor* cortex. 034216
Co-ordinating interneurones of the locust which convey two patterns of *motor* **commands:** their connexions with flight motoneurones. 039845
Co-ordinating interneurones of the locust which convey two patterns of *motor* **commands:** their connexions with ventilatory motoneurones. 039846
Possibilities of increasing the limit service life of motors and *motor* **components** by good maintenance and servicing, as well as by operative elimination of damage. 040431
Conditional *motor* reflexes after monolateral damage of the subthalamic Luys body in cat. 033829
Analysis of the **Diesel** *motor* noise of tractors in a brake room. 040407
Repair of **electric** *motors* for agriculture. 040433
Gastrointestinal transit in monogastric animals. II. *Motor* **events** and digesta movements. 033750
Lead from *motor-vehicle* **exhausts** in sweet-corn plants and soils along a highway in Hawke's Bay, New Zealand. 039041
The state of *motorization* of the **grape** harvest on the eve of demonstrations of Montpellier-Lavalette, November 4-6, 1975. 040529
Possibilities of increasing the limit service life of *motors* and **motor** components by good maintenance and servicing, as well as by operative elimination of damage. 040431
"Multicar 24" **operating** *motor* car, its modifications and fields of application. 040428
Effect of a low-carbohydrate diet and alcohol on **perceptual** *motor* skill. 032350

MOTTLE
Inheritance of resistance to cowpea **chlorotic** *mottle* virus (soybean strain) in soybeans. 038895
A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea **chlorotic** *mottle* virus. 038922
Electron microscopy of some grasses and cereals infected with **cocksfoot** *mottle,* phleum motle and cocksfoot milk mosaic virus. 038919
Occurrence of **plantago** *mottle* virus in pea, Pisum sativum, in New York State. 038879

MOUNDS
Mound-building **ants** of Washington [Formica]. 039809

MOUNTAINS
Agriculture and forestry in *mountain* **areas.** 031038
Vascular plants of montane coniferous forest in San **Bernardino** *Mountains,* California. 036059
High-mountain **birch** forests in the Transcaucasia and their phytocoenotic characteristics. 036180
The value of natural resources in the **Bukk** *Mountains* [Hungary]. 041499
Soils of High **Caucasus** *mountains.* 040606
Sediment storage in channels draining small forested watersheds in the *mountains* of **central** Idaho. 035500
The *mountain* and the **conservation** of nature in the programs of the European Economic Community. 041480
On the problem of optimum forest area of the southern macroslope of the **Crimean** *mountains.* 035597
Palynological study of late Pleistocene deposits on the **Hakkoda** *mountains.* 036002
Westensee and **Hutten** *Mountains:* two [national] parks in Schleswig-Holstein. 041620
The development and shoot formation of Juncus trifidus L. In the **Khibiny** *Mountains.* 036844

Too many doctors around the *mountain*, the **large** patient [Forest management, legislation]. 035513
Application of the energy principle to determine the amount of vegetation consumed by Orthoptera in the *mountain* **pastures** of eastern Georgia. 036249
Control of soil erosion on *mountain* **pastures.** 041166
Floristic notes. I. Cistus populifolius L., a new Catalan species, in the *mountains* of **Prades** and Serra del Pradell. II. Doronicum plantagineum L., a new Catalan species, in Puig Mollo (Coll d'Alforja). 035937
Suitability and feasibility analysis of [regional] planning for *mountain* **regions** [as shown by the example of Goms area (Wallis canton). 031160
Know-how-bank for the *mountain* **regions** [Agriculture, finance]. 031506
Viticulture in *mountainous* **regions** of Azerbaijan. 038525
Experience of utilization of water intakes on *mountainous* **rivers.** 041256
Manual of the rushes (Juncus spp.) of the **Rocky** *Mountains* and Colorado Basin. 036167
Range management in the central and southern **Rocky** *Mountains:* a summary of the state of our knowledge by range ecosystems. 038175
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of **Rocky** *Mountain* Spotted Fever. 039482
Clear lakes and aquatic bryophytes in the *mountains* of **Scotland** [Musci, liverworst]. 036033
Weed communities in the north **Slovakian** *mountain* area. 036209
Distribution of *mountain* **soils** and some characteristics of their genesis and classification. 040601
On the ecology of caddisflies (Trichoptera) from *mountain* **streams** of southern Tien-Shan (The fauna of the Ak-Bura river). 039717
Scarabaeidae in **two** *mountain* pastures in Poland and Bulgaria. 039998
Contemporary development of the peat bogs in the **Vitosha** *mountain* [Topography and the floristic composition]. 036208
Investigations on the primary production of an Agrostis capillaris L. + Festuca fallax Thuill. association grass stand on the **Vitosha** *mountain*. 037408
Investigations on the biology of seed germination of Agrostis capillaris L. and Festuca fallax Thuill. from grass coenoses on the **Vitosha** *mountain*. 037409

MOUNTING

Mounting, **dismounting** and storing the equipment for gathering maize spadixes with the self-propelled combine C-12. 040521

MOUTH

On the mechanism of **chronic** *foot-and-mouth* infection of cell cultures with specific resistance to the virus. 035207
Survival of *foot-and-mouth* **disease** virus in milk and milk products. 031976
Foot-and-mouth **disease** [Cattle]. 034971
Basic principles of specific prevention of *foot-and-mouth* **disease** in the USSR. 035017
Duration of post vaccination immunity to *foot-and-mouth* **disease** in cattle with chronic diseases. Experiments on leukosis and tuberculosis. 035018
Duration of post vaccination immunity to *foot-and-mouth* **disease.** New experimental works [Cattle]. 035019
Necessity to slaughter cattle vaccinated against *foot-and-mouth* **disease.** 035020
Neutralizing antibodies of colostral origin in calves born of mothers vaccinated against *foot-and-mouth* **disease.** 035021
Post-vaccination immunity to *foot-and-mouth* **disease** in the calf. Determination of the optimal moment for the first vaccination. 035022
Results of a small scale field trial in Nigerian cattle of *foot-and-mouth* **disease** vaccines produced from local virus strains. 035023
Study of persistance of *foot-and-mouth* **disease** antibodies in calves born from vaccinated cows. 035024
The immune response obtained with quadrivalent FMD *[footand-mouth* **disease]** vaccines in Kenyan cattle. 035025
The strategy of the fight against *foot-and-mouth* **disease** in the Americas. 035026
Vaccination against *foot-and-mouth* **disease** of swine in Spain. Field results obtained with an O-C bivalent specific vaccine. 035027
Vaccination as a method of *foot-and-mouth* **disease** control: An appraisal of the success achieved in Kenya, 1968-1973 [Cattle]. 035028
A *foot-and-mouth* **disease** vaccine for swine. 035029
Latent form of *foot-and-mouth* **disease** [Cattle]. 035244
New lines of cells and the adaptation to them of the *foot-and-mouth* **disease** virus [Livestock]. 035248
Persistence of *foot-and-mouth* **disease** virus in experimentally infected jackdaws. 035250
Production of highly active hyperimmune serums for control of *foot-and-mouth* **disease** virus. 035251
Cytological characteristics of bovine kidney cell culture chronically infected with *foot-and-mouth* **disease** virus. 035279
A case of swine vesicular disease (SVD) in the Netherlands [is compared with *foot-and-mouth* **diseases,** virus diseases]. 035213

MOVEMENT

Predicting **anion** *movement* in disturbed and undisturbed soils. 040769
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and **calcium** *movements* in rabbit pancreas. 033812
Movement of **carbaryl** through Congaree soil into ground water. 039573
What *moves* **chromosomes,** microtubules or microfilaments? [Nephrotoma suturalis]. 039638
Gastrointestinal transit in monogastric animals. II. Motor events and **digesta** *movements.* 033750
The use of a specific ion electrode for determination of bromide in soils [Tracer studies of the *movement* and **distribution** of nitrogen fertilizers]. 041047
Theoretical model of the repulsion of a particle by a freezing front in *movement* and **experimental** study [Food technology]. 032759
Effect of *moving* **honeybee** [Apis mellifera] colonies on their subsequent production and consumption of honey. 040244
Studies into stressor action on calf organism in the contest of adjustment after *movement* to **industrialised** young cattle breeding unit. 034108
Move over, **milky** way—our cows are stars too [Dairy cattle]. 033694
Nitrate *movement* and its distribution in the soil profile of differentially fertilized corn watersheds [in Iowa]. 041043
Analysis of activity of muscle spindles of the jaw-closing muscles during **normal** *movements* in the cat. 034071
Agricultural aspects of the Alburni region: Roscigno, an area on the *move;* the **old** and the new. 031089
Agriculture is just beginning to *move* in **Poland** [Economic aspects]. 031150
Pollen *movement* within and between rows to male-sterile soybeans. 036437
Food **price** *movements* and shifts in purchases. 031702
Food **price** *movements* and shifts. 032703
Growth and **revolutive** *movement* of shoots from Periploca graeca L. 037329
Results of studies on the adjustment of pail-fed calves as affected by **shipping** and *moving.* 033673
Soil relict and late holocene **tectonic** *movement* in the north-Crimean lowland. 040605
Axial and **transnodal** *movement* of 14C, 22Na, and 36Cl [carbon, sodium, chlorine isotopes] in Nitella translucens [Algae]. 037039
Water *movement* into and through Tradescantia virginiana (L.) leaves. I. Uptake during conditions of dynamic equilibrium. 037043
Influence of surface active agents on *movement* of **water** in soil. 040660
Kleingrass on the *move* in **west** central Texas [Varieties]. 038155

MOWER

Possibilities of *mowing* the **crop** remains in the field. 038115
Mowing of **high** yield grass stands [Costs]. 031474
Systematic and science-based fertilization for **intensified** *mowing-threshing* cropping. Experience and results of crop farming cooperative Prohn. 040919
Raising *mowing* performance by control and surveillance equipment. 040508

MUCILAGE

Influence of proteins, *mucilaginous* **compounds,** and lipids on rye starch-paste formation. 033155
Composition of Ocimum gratissimum (shrubby basil) **seed** *mucilage.* 037749

MUCK

Effect of irrigation of productivity of meadows on *muck-peat* and **muck-mineral** soils. 041463
Fractionation and partial analysis of the 'bound' lipid fraction of *muck* **soil** organic matter. 040626
Effect of meadow and field utilization on physico-hydrological properties and agricultural value of *mineral-muck* **soils.** 040850
Effect of irrigation of productivity of meadows on muck-peat and *muck-mineral* **soils.** 041463

MUCOPOLYSACCHARIDE

The comparative biochemistry of **invertebrate** *mucopolysaccharides.* V. Insecta (Calliphora erythrocephala). 039685

MUCOR

The effect of temperature on strains of soft fruit spoilage fungi [Botrytis cinerea, *Mucor* **mucedo,** Rhizopus]. 038568
Hyphal tip bursting in *Mucor* **rouxii:** antagonistic effects of calcium ions and acid. 037049

MUCORACEAE

Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the fungus Tieghemella orchidis **(fam.** *Mucoraceae).* 037116

MUCOSA

The time-course of changes in *mucosal* **architecture** and epithelial cell production and cell shedding in the small intestine of the rat fed after fasting. 032364
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and *mucosal* **blood** flow response to meat extract stimulation in anaesthetized cats. 034078
Effect of chronic nicotine administration on the **intestinal** *mucosal* alkaline phosphatase in rats. 033970
Estrous cycle and gastrin content of *mucosa* in **rat.** 034676
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the *mucosa* of the **small** intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
The relationship between peptide hydrolases of cytoplasm and brush borders of guinea-pig **small-intestinal** *mucosa.* 034215
The effects of removal of sodium ions from the *mucosal* **solution** on sugar absorption by rabbit ileum. 033815

MUCUS

The digestion of the glycoprotein from pig **gastric** *mucus* with pepsin and other proteolytic enzymes. 034209
A method for separation of slow-growing strains of nocule bacteria [Rhizobium **lupini]** from their *mucus.* 040568
Effects of dry air and subsequent humidification on **tracheal** *mucous* velocity in dogs. 034013

MUD

Periods of **difficult** *mud* settling [Sugarcane juices, processing]. 033245
Lime *mud* deposition and calcareous algae in the Bight of Abaco, Bahamas: a budget. 037077

MULCH

Soil temperature, soil moisture and the productivity of young apple trees as influenced by **bitumen** *mulch.* 040940
Changes in the physical properties of soil under the influence of *mulching* with **bituminous** emulsion and the significance of this treatment for early potato culture. 041189
Further experimental contributions to using plastic films for bleaching and *mulching* **chicory** (Cichorium intybus L.), variety Variegato di Castelfranco. 038464
Studies on *mulching* in **coconut** nursery. 040908
Effect of polyethylene and aluminium **foil** *mulches* at three plant populations on yields of glass house tomatoes. 038508
Studies on the "short **grass** *mulch"* soil cultivation technique. 041154
Effects of black plastic and *mulches* on **growth** and survival of landscape plants [Culture]. 038453
The advantages of *mulch* **planters** [for sowing winter wheat]. 040547
Rose response to nitrogen, phosphorus, and potassium fertilization rates in **plastic** *mulch* covered beds of find sand. 040894
Effect of black **polyethylene** *mulch* on the growth, earliness and yield of cauliflower (Brassica oleracea var. botrytis). 041015
The influence of Sclerotium rolfsii, *mulches* and **season** on dwarf bean (Phaseolus vulgaris) yields in Western Samoa. 038562

MULTIPLE

Planning resource use on national forests to **achieve** *multiple* objectives. 035555
Meaning of economic indices *[Multiple-story* **beehives** in apiculture]. 040262
Multiple **circadian** rhythms regulate photoperiodic flowering responses in Chenopodium rubrum. 037673
Effects of *multiple* **cuttings** per container and fertilizer levels on visual appearance, production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
On "the *multiple-use"* of **forests** in ancient times. 035617
The *multiple* **forms** of acid phosphatase from horse leucocytes. 033839
Multiple **forms** of acid phosphatase of the mould Aspergillusawamori str. 22. 037225
Multiple **forms** of endo-pectate lyase formed in culture and in infected squash hypocotyls by Hypomyces solani f. sp. cucurbitae. 038770
Hereditary *multiple* exostosis. A comparative genetic evaluation in man and horses. 035347
Multiple **insemination** of turkey hens. 034595
Multiple **job** holding and leisure time [of farmers]. 031035
Eimeria acervulina, Eimeria brunetti, and Eimeria maxima: immunity in chickens with **low** *multiple* doses of mixed oocysts. 035059
Principal components analysis and its use in hypothesis generation and *multiple* **regression.** 031752
Multiple **seedling** development in soybeans [Genetics]. 036571

MUNGBEAN

Heterosis in the *mung* **bean** (Vigna radiata (L.) Wilczek). 036702
Stimulation of ethylene production in the *mung* **bean** hypocotyls by cupric ion, calcium ion, and kinetin. 037527
Some aspects of the relationship between *mung* **bean** yellow mosaic virus and its vector Bemisia tabaci. 038912
Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii *[Mung* **beans,** red clover]. 037362

Biochemical characteristics of the outer membranes of plant mitochondria *[Mung* **beans,** potatoes]. 037650
X-ray diffraction from oriented outer mitochondrial membranes. Detection of in-plane subunit structure *[Mung* **beans,** potatoes]. 037658
The flowering behaviour of the *mung* **beans** (Phaseolus radiatus L.). 037669
The amount of flower shedding in some kharif pulses [Cowpeas, *mung* **beans,** mungo beans]. 037762

MUNGO

Induction of nondormant mutants in black gram *[Mungo* **beans].** 036569
Development of glycolytic and mitochondrial activities in the early phase of germination of Phaseolus mungo seeds *[Mungo* **beans].** 037478
Further studies on glucose catabolism in the early phases of germination of Phaseolus mungo seeds *[Mungo* **beans].** 037479
The amount of flower shedding in some kharif pulses [Cowpeas, mung beans, *mungo* **beans].** 037762
Epidemiological observations on leaf spot (Cercospora sp.) of black gram *[Mungo* **beans].** 038686
Development of glycolytic and mitochondrial activities in the early phase of germination of **Phaseolus** *mungo* seeds [Mungo beans]. 037478
Further studies on glucose catabolism in the early phases of germination of **Phaseolus** *mungo* seeds [Mungo beans]. 037479

MURCIA

The canning peach in *Murcia* **[Culture,** varieties]. 038241

MURINE

Murine **cytomegalovirus** (MCMV) [Animals, mice, human]. 034965
High molecular weight RNAs from Rous sarcoma virus and **Moloney** *murine* leukemia virus contain two subunits. 035105

MURRAYA

Studies on the constituents of *Murraya* **paniculata** Jack. I. 037029

MUSCA

Recorded distribution of the face fly *[Musca* **autunmalis]** inArkansas in 1975 [Livestock]. 039447
Effect of plant density on yield and other quantitative characters of the Maricongo plantain (Musca acuminata X *Musca* **balbisiana,** AAB). 038390
Filth fly *[Musca* **domestica]** sources in decaying melon fields in southern California's low deserts [Spalangia, biological control]. 039323
Quinol phosphate as a metabolite of triphenyl phosphate *[Musca* **domestica].** 039448
Chemical fly *[Musca* **domestica]** control in Ohio dairy barns. 039495
Affinity chromatography of phenoloxidase in the larvae of housefly *[Musca* **domestica].** 039613
Ambient temperature, physical activity and aging in the housefly, *Musca* **domestica.** 039736
Sampling of the visual environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, *Musca* **domestica,** Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795
Investigation of neguvon resistance in a laboratory-selected strain of *Musca* **domestica** L. 039919
Induction of sterility in male houseflies *[Musca* **domesticus]** by vapors of Acorus calamus L. oil. 039493
Pyrethroid contact sprays against the house **fly** *(Musca* domestica L.). 039484
Problems of **housefly** *(Musca* domestica) control due to multiresistance to insecticides. 039471
Waveguide mode effects, birefringence and dichroism in fly *[Musca]* **photoreceptors.** 039797
Effect of plant density on yield and other quantitative characters of the Maricongo **plantain** *(Musca* acuminata X Musca balbisiana, AAB). 038390
Studies of the freezing of green **plantains** *(Musca* paradisiaca). IV. Effect of cold storage on the quality of frozen sliced green plantains. 033418

MUSCADINE

Growing *muscadine* grapes at home. 038405

MUSCI

Nuclear nagnetic resonance of lichenin *[Musci,* **Cetraria** islandica]. 037295
Cyclodictyon laete-virens (Hook. Et Tayl.) Mitt., a new species for the Spanish **flora** *[Musci].* 035936
Clear lakes and aquatic bryophytes in the mountains of Scotland *[Musci,* **liverworst].** 036033
Growth measurements of five Sphagnum species in South **Norway** *[Musci].* 037139
Influence of illumination and litter-drop on the development of certain species of mosses *[Musci,* **Picea,** forests]. 036251
Recurrence surfaces in Rusland Moss, Cumbria (formerly north Lancashire) [Calluna, **Sphagnum,** *musci].* 036223
Significance of cytocontraction and plasmocontraction in poikiloxerophytic plants during dehydration [Funaria hygrometrica, *musci,* **Trentepholia** umbrina, Pleurococcus vulgaris, algae]. 037281
Cryptogamae exsiccatae, an annotated bibliography of Exsiccatae of Algae, LIchenes, Hepaticae, and *Musci.* V. **Unpublished** exsiccatae. I. Collectors. 035925

MUSCIDAE

Ecology of flies of the genus Fannia (Diptera, *Muscidae)* in **Ivanovo** district. 039967

MUSCLE

Postmortem glycolytic and nucleotide degradative changes in *muscle* of the **Atlantic** queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773
Potassium concentration in **bovine** *muscle* as influenced by carcass location, breed, sex, energy intake, age and shrunk body weight. 033089
Eating quality and thiamin retention of turkey **breast** *muscle* roasted and "slow-cooked" from frozen and thawed states. 032250
Light and electron microscope studies on cysts of Sarcocystis fusiformis in the *muscles* of **calves** infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
Separation and characterization of the troponin components from bovine **cardiac** *muscle.* 034043
Changes in the alpha-glucosidase activity during slow autolysis of **cattle** *muscular* tissues. 034140
A mechanical dissociation method for preparation of *muscle* **cell** cultures [Chick embryos]. 034044
Filamin, a new high-molecular-weight protein found in smooth muscle and *non-muscle* **cells** [Chickens]. 034146
Changes in chemosensitivity of developing **chick** *muscle* fibres in relation to endplate formation. 034124
Comparative aspects of buffering capacity in *muscle* **[Chickens,** pigeons]. 034173
The slow wave in the **circular** *muscle* of the guinea-pig stomach. 034080
The effects of *muscle* **cooling** and stretch on muscle spindle secondary endings in the cat. 033997
Polysomes from **cultured** *muscle* cells: the cell-free synthesis of myosin [Chick embryos]. 034046
The water content of *muscle* and **cuticle** of the woodlouse Oniscus asellus in conditions of hydration and desiccation. 039682
The contractile properties of slow muscle fibres in sheep **extraocular** *muscle.* 034077
Developmental changes in the structure and kinetic properties of myosin adenosinetriphosphatase of rabbit skeletal **fast** *muscle.* 034025
The contractile properties of slow *muscle* **fibres** in sheep extraocular muscle. 034077
Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within *muscle* **fibres** of sheep. 035286
Studies on the denaturation of **fish** *muscle* proteins. I. Physico-chemical and electron microscopical studies of freezedenatured carp actomyosin. 032767
Fish *muscle* structural proteins [Fishery products]. 032795
The growth of *muscle* **following** tenotomy [Rabbits]. 033998
Biochemistry of insect flight. 1. Utilization of **fuels** by *muscle.* 039770
The role of potassium ion in *muscle* **glycogenolysis** and glycolysis [Dogs]. 034156
Developmental changes of AMP-deaminase activity in chick **heart** *muscle.* 033984
The action of thyroxine on the structure of the **heart** *muscle* cell mitochondria in prenatal ontogenesis [Chick embryos]. 034217
The relationship of *muscle* pH **[hydrogen-ion** concentration] and beef tenderness. 033097
Antibody response in sows following intramammary on *intramuscular* **immunization** with a killed Escherichia coli vaccine. 034998
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in *muscle* from **intact** rabbits given protein-deficient diets. 032183
Analysis of activity of muscle spindles of the **jaw-closing** *muscles* during normal movements in the cat. 034071
The jumping mechanism of Xenopsylla cheopis. II. The fine structure of the **jumping** *muscle.* 039898
Influence of the dietary protein deficiency on the protein synthetic activity of microsome and soluble fraction from *muscle* and **liver** of rats. 035297
Longitudinal fascicular growth in the porcine **longissimus** *muscle.* 034004
Histochemical and biometrical comparison of the peroneus **longus** *muscle* and its innervation in Gallus gallus and Coturnix coturnix japonica [Chickens, quail]. 033699
Farm grain storage gives you more **market** *muscle.* 031719
Retrograde transport of horseradish peroxidase in afferent and efferent neurons from **masseter** *muscle* in the rat. 034115
Effects of diethylstilbestrol on feral house mouse (**Mus** *musculus* L.) population dynamics under experimental field conditions. 034006
Significance of genetic factors in the study of etiological factors of **nutritional** *muscular* dystrophy. 035386
Studies on the nutrient content of the liver, **pectoral** *muscle,* total body and eggs of hens as influenced by graded supplies of vitamin B6. 034316
Degenerative myopathy of the deep **pectoral** *muscle* in the turkey. 035346
Muscle **pigment** and meat color. 033060
Total body fat and *muscle* **predicted** by simple anthropometric field measurements. 032325
Effect of stacking and freezing on the *muscle* **qualities** of red salmon (Oncorhynchus nerka) [Fish]. 032741
Some structural features of **rabbit** *muscle* aldolase as derived from its limited proteolysis. 033703
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of fibre populations in fast and slow **rabbit** *muscles.* 034130
Effects of adenosine 3',5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting **skeletal** *muscles* [Dogs, cats]. 034039
Development of excitability in embryonic chick **skeletal** *muscle* cells. 034045
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of natural actomyosin from mammalian **skeletal** *muscle* [Swine]. 034210
Studies on the histostructure of **skeletal** *musculature* and some meat qualities of sows raised under different exercise regimes. 034246
The basal abdominal segments of the Neuropteroidea (Insecta, Holometabola). A comparative study of **skeleton** and *musculature.* 039952
Gamma-aminobutyric acid receptor on vascular **smooth** *muscle* of dog cerebral arteries. 033835
Filamin, a new high-molecular-weight protein found in **smooth** *muscle* and non-muscle cells [Chickens]. 034146
The effects of muscle cooling and stretch on *muscle* **spindle** secondary endings in the cat. 033997
Analysis of activity of *muscle* **spindles** of the jaw-closing muscles during normal movements in the cat. 034071
The jumping mechanism of Xenopsylla cheopis. I. Exoskeletal **structures** and *musculature.* 039897
On the role of noradrenaline in the regulation of *muscle* **thermogenesis** during cooling [Rabbits]. 033901
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and *muscular* **tissue** and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Total *muscle* mass in malnourished children measured by N [nitrogen isotope]-creatine. 032326
Nerve-muscle **transmission** [Insects]. 039775
Effect of total lipids and phospholipids on warmed-over flavor in red and **white** *muscle* from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. 033131
Selenium and **white** *muscle* disease in lambs: effects of vitamin E and ethoxyquin. 035369

MUSCOVY

The head caruncles of the *Muscovy* **duck** (Cairina moschata domestics L.). Development of the surface in males and females of some types. 033742

MUSEUMS

Stingless bees (excl. Tetragonula) from the continental Southeast Asia in the collection of Berince P. **Bishop** *Museum,* Honolulu (Hymenoptera, Apidae). 040107
Baetis species from **Kuopio** *Museum,* Finland (Ephemeroptera, Baetidae). 040129

MUSHROOMS

Influence of drying methods on the free amino acids and **amides** of *mushrooms.* 033341
Effect of different spawning methods on the productivity of Agaricus **bisporus** *[Mushrooms].* 037755
A new look at [edible] *mushrooms* **[composition** and food value]. 032398
Mycoflora in *mushroom* **compost.** 037756
Phenoxy herbicide residues in cowberries and *mushrooms* **[Conifers].** 039142
Present situation and prospects of **cultivated** *mushrooms.* 038428
News from the Educational and Experimental Institute for *Mushroom* **Culture** of the Rhineland Chamber of Agriculture. 038283
Annotated bibliography on *mushroom* **culture** in countries with warm climates, 1971-1975. 038450
Czechoslovakian *mushroom* culture and research results. 038282
ADAS survey of *mushroom* **diseases** and fungicide usage 1974/5. 038747
Rhodocybe truncata (Agaricales) new to Norway **[Edible** *mushroom].* 036087
Toxicity of the cardiotoxic protein, flammutoxin, isolted from the **edible** *mushroom* Flammulina velutipes. 037870
Growth potential of clostridium botulinum in **fresh** *mushrooms* packaged in semipermeable plastic film [Food contamination]. 031948
How to **grow** *mushrooms* [Culture]. 038443
Better *mushrooms,* **hops,** tabasco, and even mink [Agricultural research]. 031136
Mushrooms as **indicators** of mercury emissions in the vicinity of a chlor-alkali plant. 041683
The *mushroom* **industry** in the United States and Canada. 5. Growing and picking. 038415

The *mushroom* **industry** in the United States and Canada. 7. Crop emptying and miscellaneous items [Equipment]. 040512
Synthesis of pulvinones, metabolites of [fungi] Aspergillusterreus and [**larch** *mushroom]* Suillus grevillei. 036867
Twenty-five cases of poisoning by the *mushroom* **Pleurotus** olearius. 032134
Treatment of experimental poisoning produced by extracts of Amanita phalloides [**Poisonious** *mushrooms,* mice]. 035447
Pest infestation [Coleoptera, Lepidoptera] in **stored** *mushroom.* 039434
Quality control of the 1975 **wild** *mushroom* and berry crops in the Bavarian Forest—characteristics of wild raspberry juices. 032049

MUSK
The length and diameter of the coat fibres of the *Musk* **ox.** 033096

MUSKMELONS
Identification of the races of Fusarium oxysporum f. Sp. Melonis causing wilt of *muskmelon* in **California.** 038767
Influence of foliar nutrient sprays on the population of Fusarium oxysporum f. melonis and other soil microflora in the **rhizosphere** of *muskmelon.* 038693
Punjab sunehri—a new **variety** of *muskmelon.* 038435

MUSKRAT
A survey of the gastrointestinal helminths of the *muskrat,* **Ondatra** zibethicus, collected from two localities in Ohio. 035175

MUSSEL
Evaluating **sea** *mussels* in the consumer area on the basis of food regulations [Seafood]. 031999

MUSTARD
Fertiliser needs of *mustard* **appressed** mutant. 040923
White and **black** *mustard* for spicing and preservation. 032800
Assessment of feeding value of **extracted** *mustard* cake in starting growing phase of chickens. 034384
The harvesting of *mustard* with **grain** combines. 040548
A cropping pattern for uplands of Orissa [Rice, **maize,** *mustard].* 038024
Beneficial effect of zinc supplementation in young rats fed protein concentrate from **rapeseed** or *mustard.* 032404
Chemotropic effect of metal cations on Sinapis alba L. *[Mustard]* **roots** as affected by some factors. 037662
Economic incentive in the production of *mustard* **seeds.** 031510

MUSTELA
Heat preservation and emission from the body surface in the **mink** *Mustela* vison. 034248
Incorporation of [2-14C [carbon isotope] acetate into lipids of **mink** *(Mustela* vison) liver and intestine during in vitro and in vivo treatment with aflatoxin B1 [Aflatoxicosis]. 035390

MUSTS
Modern trends in refrigeration of wines and concentration and **desulfurization** of *musts.* 033332
Yeast composition of **grape** *musts* subjected to thermal treatments of varied intensity and duration. 033338
Acid proportions in the 1975 **grape** *musts* [East Switzerland]. 033465
Relation between the content of wines in higher alcohols and the content of *musts* in **nitrogen** substances particularly in amino acids. 033356
Fermentation of various sugars in Saccharomyces ellipoideus and Schizosaccharomyces pombe [**Wine** *musts,* yeasts]. 033337
Residues of 2-imidazolidine-thione (ethylenethiourea) in *musts* and **wines.** 031947

MUTAGENESIS
Mutagenicity of **actinomycin** D in Neurospora crassa [Fungi]. 036600
Mutagenic **activity** of chemical compounds of the diazoketone class with respect to corn. 036464
The *mutagenic* **activity** of diepoxbutane in yeast [Neurospora]. 036603
Correlatin between activity of nitrogen mustards in alkylation reactions and their *mutagenic* **activity** on fungi [Aspergillus nidulans]. 036666
Mutagenic **activity** of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of recessive lethals in the absence of detectable chromosome breakage. 039881
Chemical *mutagenesis* in soybean (Glycine max (L.) Merrill) using ethyl methanesulphonate and hydroxylamine hydrochloride. 036596
Development of new lupine forms with the help of **chemical** *mutagens.* 036642
Comparative *mutagenic* effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126
Mutagenic **effect** of gamma rays and fast neutrons on Pisum sativum [Peas]. 036480
[Mutagenic] **effect** of DNA from different sources and of different physico-chemical properties on hystidine-deficient strain of Candida tropicalis D-2 his- [Yeasts]. 036529
A comparative study of the *mutagenic* **effect** and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The *mutagenic* **effect** and nature of induced mutations [Yeasts]. 036675
A comparative study of gamma-ray, fast-neutron and **ethyleneimine** *mutagenic* effects on Phaseolus vulgaris [kidney beans]chromosomes. 036470
Experimental *mutagenesis* in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. 036670
Experimental *mutagenesis* in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. induced by dimethyl sulfate. 036671
Experimental *mutagenesis* in apple. III. Morphological and genetic effects in Malus domestica, induced by N-nitroso-N-methylurea. 036672
Genetic control of sensitivity to *mutagenic* **factors** in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet sensitive] mutants. 036673
Genetic control of sensitivity to *mutagenic* **factors** in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
The use of *mutagenic* **factors** for obtaining economically valuable characters in cotton. 036708
Development of **host-mediated** *mutagenicity* tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and peritoneum of rats. 034109
New criterion for estimating inhibition of initial plant growth **induced** with *mutagens.* 037321
The *mutagenic* **influence** of drying on pea seeds. 036693
Low *mutagenic* activity of four hycanthone analogues in Drosophila melanogaster. 039880
Manganese *mutagenesis* in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Polyploidization and chromosomal aberrations induced by *mutagens* in the **open** flowering sterile mutants of spring barley. 036706
Induction of CMS [cytoplasmic male sterility] in cotton by means of **radiation-induced** *mutagenesis.* 036520
Mutagenesis in **yeast** [Saccharomyces cerevisiae, Schizosaccharomyces pombe]. 036587

MUTANTS
The relation of pigment composition in **algae** *mutant* cells to their resistance to inhibitors of photophosphorylation. 036976
Fertiliser needs of mustard **appressed** *mutant.* 040923
Mutants of **Aspergillus** nidulans lacking nicotinamide adenine dinucleotide-specific glutamate dehydrogenase [Fungi]. 036561
Carotenoids in **blue** *mutant* and normal green pupae of Hyalophora cecropia. 039835
The synthesis of 5S RNA and its relationship to 18S and 28S ribosomal RNA in the **bobbed** *mutants* of Drosophila melanogaster. 039754
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces **cerevisiae** *mutants* induced with manganese and cobalt. 036502
Revertants of sunflower **chlorophyll** *mutants.* 036689
Contents of chlorophylls a and b in **chlorophyll-deficient** *mutants* of sweetclover. 036426
Complementation analysis of linked circadian **clock** *mutants* of Neurospora crassa. 036505
Isolation and characterization of a mitochondrially synthesized polypeptide from Neurospora crassa **cni-1** *mutant* [Fungi]. 036957
Cold-sensitive *mutants* of Drosophila melanogaster defectivein ribosome assembly. 039747
Induction, selection, and experimental uses of temperature-sensitive and other **conditional** *mutants* of yeast [Saccharomyces cerevisiae]. 036585
Pigment synthesis and photosynthetic activity in carotenoid **deficient** *mutants* of maize. 037448
Radiosensitivity of **double** *mutant* haploids of yeast [Saccharomyces cerevisiae]. 036525
Stand, early growth and plant and ear height of **endosperm** *mutants* and normal maize hybrids under field conditions. 036715
Isolation and characterization of sex-linked **female-sterile** *mutants* in Drosophila melanogaster. 039750
Anthocyanin synthesis in a white **flowering** *mutant* of Petunia hybrida by a complementation technique. 037816
Specificity of growth of *mutant* **forms** of apple trees in nurseries. 037853
Chemical alteration of carotene biosynthesis in Phycomyces blakesleeanus **[Fungi]** and *mutants.* 036775
The use of plastid and **gene** *mutants* of higher plants in studying the genetic control of plastid functions. 036549
Hill reaction and delayed fluorescence in *mutants* of **Gossypium** hirsutum [Cotton]. 037442
Mutant **Japanese** quail (Coturnix coturnix japonica) with marble plumage. 034628
Isozymes patterns and enzyme activity of lactate and alcohol dehydrogenase of the **lethal** *mutant* 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Genetic analysis of **light-sensitive** *mutants* of Chlaydomonasreinhardi [Algae]. 036541
Fluorescence induction of normal and *mutant* **maize** seedlings. 037441
Genetics of eye-gap and **maroon-eye** *mutants* in the mosquito [Culex pipiens]. 039852
Production of a **mitochondrial** *mutant* of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this antibiotic [Yeasts]. 036687
A **new** *mutant,* "cob turned out" (cto), changing the cob development in maize. 036509
Genetical and physiological investigations on mutants for polyenoic fatty acids in rapeseed, Brassica napus L. I. Selection and description of **new** *mutants.* 036718
Non-dematiaceous *mutant* of Graphium putredinis [Fungi]. 037319
Induction of **nondormant** *mutants* in black gram [Mungo beans]. 036569
Mutants as **objects** for investigations on the function of chlorophylls [Barley]. 037444
Studies on spontaneous and induced mutability in **pea** *mutants.* 036528
Genetical and physiological investigations on *mutants* for **polyenoic** fatty acids in rapeseed, Brassica napus L. I. Selection and description of new mutants. 036718
Effect of temperature on the expression of homoeotic mutations in Drosophila. I. Homoeotic transformation in **proboscipedia** *mutants.* 039759
Establishing optimum conditions for deep cultivation of some Aspergillus oryzae [Fungi] *mutants* **producers** of amylase. 036919
Genetic analysis of maternal effect on the **"puffed"** *mutant* character in female Drosophila virilis Sturt. X male Drosophila littoralis Sokolov hybrids. 039760
Extra-large Tribolium confusum: a new autosomal **recessive** *mutant.* 039653
Reltionship between the presence of linolenic acid and the ability to form **respiration-deficient** *mutants* in yeast [Candida pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. 036948
Mutants of **Saccharomycopsis** lipolytica defective in lysine catabolism [Yeasts]. 036562
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet **sensitive**] *mutants.* 036673
Genetic analysis of a population of Tribolium [castaneum]. V. Viability of the unsaturated fatty acid **sensitive** *mutant.* 039654
Selection of **spontaneous** *mutants* by inositol starvation in yeast [Saccharomyces cerevisiae]. 036591
Semilethal **spotted** *mutants* of Chlorella [vulgaris, algae]. 036527
Electron-microscopic examination of maize **sterile** *mutants* induced by acridine dyes. 036703
Polyploidization and chromosomal aberrations induced by mutagens in the open flowering **sterile** *mutants* of spring barley. 036706
Cell proliferation in the developing wing-bud of normal and **talpid3** *mutant* chick embryos. 034051
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with **temperature-sensitive** *mutants.* 035110
Comparison of RNA polymerase associated with Newcastle disease virus and a **temperature-sensitive** *mutant* of Newcastle disease virus isolated from persistently infected L cells. 035130
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] **tomato** *mutant* [in storage]. 033388
Expression of *mutant* **traits** in different genotypic media in winter **wheat.** 036463
Thiamine **transport** *mutants* of Saccharomyces cerevisiae [Yeasts]. 036823
Effect of caffeine on recovery from DEB [diepoxybutane]-induced cell inactiation in UV **[ultraviolet]-sensitive** *mutants* of Saccharomyces cerevisiae. 036597
Changes in protein amino acid composition in the seeds of an induced spring **vetch** *mutant.* 036461
Analysis of greening in **virescent** *mutants* of maize by in vivo spectrophotometry. 037381
A **waxless** *mutant* in rai (Brassica juncea Coss). 036458

MUTATION
Mutation **analysis** as a method of studying genotype structure of green algae. 036545
A comparative study of the mutagenic effect and the nature of the *mutations* **caused** by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
Mutational **changes** in rice. 036682
Effect of cadmium on Chlorella [Algae]. II. Growth, survival and *mutability* of **Chlorella.** 036512
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the induction of **chlorophyll** *mutations* in Oryza sativa L. [Rice]. 036555
Cytogenetic anaiysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced **chromosome** *mutations* [Onions, broadbeans]. 036667
Temperature-sensitive prune (pn) *mutations* of **Drosophila** melanogaster. 039884
Evolution of **experimental** *"mutator"* populations of Drosophila melanogaster. 039748
Effect of doses and types of irradiation on *mutation* **frequency** in Chlorella [Algae]: mutation maximum effect. 036514
Mutability of the **garden** pea and tomato with chronic gamma-irradiation of the plants and the acute irradiation of the seeds. 036681
Effect of temperature on the expression of **homoeotic** *mutations* in Drosophila. I. Homoeotic transformation in proboscipedia mutants. 039759
Interaction of **homoeotic** *mutations* antennapedia and aristapdia in Drosophila melanogaster. 039763

Morphogenetic mosaicism with respect to the **homoeotic** *mutation* "aristapedia" in Drosophila melanogaster. 039923
Polyploidy and *mutations* **induced** in apricot by colchicine treatment. 036412
Studies on spontaneous and **induced** *mutability* in pea mutants. 036528
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of **induced** *mutations* [Yeasts]. 036675
The timing of pre-meiotic chromosome pairing and duplication in Glossina morsitans morsitans assessed by radiation **induced** *mutations.* 039688
Spontaneous male recombination and *mutation* in **isogenic-derived** chromosomes of Drosophila melanogaster. 039853
Effect of doses and types of irradiation on mutation frequency in Chlorella [Algae]: *mutation* **maximum** effect. 036514
Nonnuclear *mutations* in sunflowers. III. Unusual somatic segregation of plants with variegated leaves. 036684
Breeding for *mutations.* II. [**Ornamental** plants]. 036696
Effect of temperature and density of the larval population on the *mutation* **penetrance** in Drosophila virilis. 039758
Structure and function of the genetic information in plastids. XIV. The consequences of the **plastom** *mutations* en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394
Interaction of the homeotic aristapedia and **polycomb** *mutations* in the ontogenesis of Drosophila melanogaster. 039929
Induced **polygenic** *mutations* in wheat (Triticum aestivum L.). 036496
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of *uvs-mutations* on **postradiation** effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
Further study of the *mutation* **process** in chinese hamster cells in vitro. 034815
Cytogenetic investigation of *mutation* **process** in the population and pure lines of rye seeds (Secale cereale L.) under storage. 036511
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The *mutation* **process** in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
The gene dosage effect of the **rad52** *mutation* on X-ray survival curves of tetraploid yeast strains [Saccharomyces cerevisiae]. 036602
A gene action for avirulence partially affected by *mutation* in **rice** blast fungus [Pyricularia oryzae]. 038571
Localization of *mutations* in the **second** chromosome of the yeast Saccharomyces cerevisiae. 036680
High **spontaneous** *mutation* rate of an avian sarcoma virus. 035131
The **spontaneous** *mutability* in Ulva mutabilis. Occurrence of unstable strains [Algae]. 036609
High frequency of **spontaneous** *mutations,* affecting viability in the chromosome II in LA strain of Drosophila melanogaster. 039762
Thermosensitive *mutations* affecting ribonucleic acid polymerases in Saccharomyces cerevisiae [Yeasts]. 036563
Two *mutations* which confer temperature-sensitive radiation sensitivity in the yeast Saccharomyces cerevisiae. 037127
Mutations of the **type** of leaf in pea and the system of the genetic control of this character. 036650
The influence of calf thymus DNA and deoxyribonucleosides on the induction of different *mutation* **types** in Drosophila. 039744
Mutation **variability** of chloroplasts in Arabidopsis thaliana(L.)Heynh. 036546
Chinchillas. XXVII [Breeding, *mutations,* **varieties].** 034842
Effect of uvs1, uvs2 and **xrs** *mutations* on radiosensitivity and the frequency of induced mitotic recombination in diploid [Saccharomyces cerevisiae] yeast cells. 036515
Inactivation and *mutation* of **yeast** cells by hydrogen peroxide [Saccharomyces cerevisiae]. 036599

MUTTON

Lamb and *mutton* on the **market.** Problems of supply and demand. 031589
Evaluation of *mutton* **quality** traits of four Indian carpet type sheep breeds. 032084
Breeding for fattening performance and carcass quality in the *mutton* **sheep** population. 034829

MYCELIA

Free intracellular amino acids of the *mycelium* of **Aspergillus** oryzae [Fungi] and acid proteinase synthesis. 036771
Influence of high pressure on the content of carotenoids in the *mycelium* of **Blakeslea** trispora Thaxter [Fungi]. 037120
Formation and distribution of free amino acids in the *mycelium* of **Cunninghamella** elegans [fungi] during growth on mediawith glucose or dodecane. 037119
Effect of antibiotics & fungicides on **endogenous** *mycelial* respiration & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Lipid and phospholipid extraction from **fungal** *mycelia.* 032840
Dextranase formation by *mycelial* **fungi** and actinomycetes [Chromogenes]. 037211
Synthesis of aflatoxins by the **non-growing** *mycelia* of Aspergillus parasiticus and the effect of inhibitors. 037053
Morphology and growth kinetics of hyphae of differentiated and **undifferentiated** *mycelia* of Neurospora crassa [Fungi]. 036324

MYCETOPHILIDAE

Review of the British and notes on other species of the Mycetophila ruficollis-group, with the description of a new species *[Mycetophila* **britannica]** (Diptera, Mycetophilidae). 040028
Two *Mycetophilidae* (Diptera), new to Britain. 040034

MYCOBACTERIACEAE

Atypical *mycobacteria* in cattle. 035260
True waxes of **Saprophytic** *mycobacteria* [isolated from various soils]. 040688
The utilisation of **soil** *mycobacteria* derivatives of purine and pirimidine (DPP) as the only source of nitrogen and carbon. 040847

MYCOBACTERIUM

Activities of cholesterol degrading microorganisms *[Mycobacterium* **rubrum,** Proactinomyces, Nocardia opaca, Nocardia erythropolis]. 037113

MYCOFLORA *see* FUNGUS

MYCOPHENOLIC

Long-term toxicity study of *mycophenolic* **acid** in rabbits. 035440

MYCOPLASMA

Mycoplasma-associated **diseases** of trees. 038917
Temperature sensitivity studies on selected strains of *Mycoplasma* **gallisepticum** [Infected chicken flocks]. 035036
The indirect hemagglutination test for the detection of antibodies in cattle naturally **infected** with *mycoplasmas.* 035037
Selective solubilization with sodium deoxycholate of membrane proteins from Spiroplasma citri [Plant **pathogenic** *mycoplasma-like* bacteria]. 038890
Plaque-forming factor produced by *Mycoplasma* **pulmonis** [Animal diseases]. 035166
The survival of *Mycoplasma* **pumonis** in drinking water and inother materials. 032158

MYCOPLASMOSIS

Chronic respiratory disease of poultry: vaccination against **avian** *mycoplasmosis* with the Mycovax vaccine. 035197
The place of spiramycin in *mycoplasmosis* **control** in poultry. 035198

MYCORRHIZA

Several tests of *mycorrhizal* **inoculations** [Forest nurseries, propagation]. 035645
Study of nitrogenase activity in the *mycorrhizal* **rhizosphere** of pine and oak [Pinus, Quercus]. 037889

MYCOSIS

Some comments on the eitiology of *mycoses* in **cattle.** 035272
Mycotic **diseases** [Cats]. 035069
Insect *mycoses* and their importance in the [biological] control of biting flies [Livestock pests]. 039515

MYCOSPHAERELLA

Ascochyta leaf spot of papaya and its perfect state [Ascochyta caricae **papayae,** *Mycosphaerella].* 038647

MYCOSPHAERELLACEAE

Venturia **asperata** sp. Nov. And its Fusicladium state on apple leaves [Fungi, new taxa]. 038752
An isolate of the pear scab fungus, *Venturia* **pirina,** tolerant to benzimidazole fungicides. 038630

MYCOTOXICOSIS

Lipid and vitamin metabolism during *mycotoxicoses* **[Aflatoxicosis,** poultry]. 035425
Estrogenic syndrome of fungal nature in **cattle** *[Mycotoxicosis].* 035439
Experimental Phomopsis **leptostromiformis** *mycotoxicosis* of pigs. 035127
Results of an inquiry made by the Veterinary Department on Fusarium contaminated grain of the 1972-1973 harvest [Feeding, **livestock,** *mycotoxicosis].* 034495
Data on *mycotoxicoses* of **poultry.** 035454

MYCOTOXINS

Mycotoxin-induced **alterations** of immunity [Livestock diseases]. 035147
Mycotoxin **determinations** on animal feedstuffs and tissues in Western Canada. 035401
Mycotoxin **induced** developmental abnormalities [Rats]. 035415
Liver microsomal system and *mycotoxin* **metabolism** [Food toxicity]. 032113
Monoacetoxyscirpenol, a **new** *mycotoxin* produced by Fusarium roseum Gibbosum [Feed, contamination, toxicity, cattle]. 033550
Interactions of *mycotoxins* **[produced** by toxicogenic fungi] with substrate molecules and macromolecules [Food research]. 032112
Current research on *mycotoxins:* a **status** report [Food contaminants]. 032037
Mycotoxin **synergism** [Fusarium, Penicillium, Aspergillus, fungal flora on agricultural commodities, feedstuffs]. 032114
A possible enzymic assay for **trichothecene** *mycotoxins* in animal feedstuffs. 033580

MYELOMA

Effect of ricin on biosynthesis of *myeloma* **protein** (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 cells [Castorbeans]. 037361

MYELOPROLIFERATIVE

Myeloproliferative **disorders** in the cat. 3. Progression from erythroleukemia into granulocytic leukemia. 035314

MYIASIS

A case of traumatic **dermal** *myiasis* in Quebec caused by Phormia regina (Meigen) (Diptera: Caliphoridae). 039451
Larvae of Calliphoridae as pathogens of *myiasis* in **guinea** pigs. 039490

MYOCARDIA

Primary structure of cytoplasmic aspartate aminotransferase from **porcine** *myocardium.* Amino acid sequence of peptides from cyanogen bromide hydrolysate. 033783

MYOEPITHELIAL

The physiology of the **salivary** *myoepithelial* cells. 033964

MYOPATHY

Degenerative *myopathy* of the deep pectoral muscle in the turkey. 035346

MYOPORACEAE

Geographical differences in leaf resin components of Eremophila fraseri F. Muell. *(Myoporaceae)* [from **Australia].** 035965

MYOSIN

Developmental changes in the structure and kinetic properties of *myosin* **adenosinetriphosphatase** of rabbit skeletal fast muscle. 034025
Polysomes from cultured muscle cells: the cell-free synthesis of *myosin* **[Chick** embryos]. 034046

MYRMELEOTETTIX

No detectable satellite DNA in supernumerary chromosomes of the **grasshopper** *Myrmeleotettix* [maculatus]. 039886

MYRMICA

A study of the photoperiodic reaction in the **ant** *Myrmica* rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. 039724

MYRMICINAE

The effect of gamma irradiations on the longevity of the queens and the workers of Temnothorax recedens (Nyl.) **(Formicidae,** *Myrmicinae).* 039816

MYROTHECIUM

Optimization of the nutrient medium for the biosynthesis of phytotoxic metabolites of *Myrothecium* **verrucaria** VKMF-183 [Soil fungi]. 040754

MYXOMATOSIS

To protect rabbits against *myxomatosis* **infection.** 035002
Ultrasonic treatment of cells infected with *myxomatosis* **virus.** 034985

MYXOMYCETES

Slime moulds [Acrasiales, *Myxomycetes]* in **biological** research. 037256
Nuclear DNA content and ploidy values in clonally-developed plasmodia of the *myxomycete* **Didymium** iridis [Fungi]. 036415
Phototaxis of the *Myxomycetes* **[Fungi]:** Behaviour of old plasmodia in white light [Physarum nudum]. 036847

MYZUS

Purification and serology of bean yellow mosaic virus [transmitted by *Myzus* **amaranticolor].** 038883
Studies on a virus causing mosaic disease of chilli [Aphis gossypii, Aphis craccivora, *Myzus* **persicae** vectors]. 038907
Polyamino acid induced aphid *[Myzus* **persicae]** transmission of plant viruses [Tobacco]. 038921
Glandular hairs are a possible means of limiting aphid [Macrosiphum euphorbiae, *Myzus* **persicae]** damage to the potato crop. 039312
Controlling green peach aphids *[Myzus* **persicae]** on potatoes. 039330
A naturally occurring chromosomal translocation in *Myzus* **persicae** (Sulzer). 039833
Investigations on laboratory methods in estimating the resistance of potato selection materials to leaf roll virus [induced through **viruliferons** *Myzus* persicae]. 038933

NADP

Purification and properties of polyol: *NADP* **[niconinamide** adenine dinucleotide phosphate] oxidoreductase from pichia quercuum [Fungi]. 036731

Effect of *NADP* [**nicotinamide** adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813

NANDINA
Growing *Nandina* domestica from cuttings. 037832

NAPHTHALENEACETIC
Purification and properties of the intact form of NADH *[naphthaleneacetic* **acid** dehydrogenase]-cytochrome b5 reductase from rabbit liver microsomes. 034032

NAPHTHOL
Degradation of *1-naphthol* by a **soil** pseudomonad. 040666

NARCISSUS
The chemical control of mites infesting Freesia corms and *Narcissus* **bulbs** [During storage]. 039416
A double-helical structure for re-aggregated protein of *Narcissus* **mosaic** virus. 038918
Optical diffraction from particles of *Narcissus* **mosaic** virus. 038920

NARCOSIS
Influence of carbon **dioxide** *narcosis* and cold immobilization on the ovarian growth of the cockroach Nauphoeta cinerea. 039909

NARTHECIUM
Observations on the performance of *Narthecium* **ossifragum** (L.) Huds. and Phragmites communis Trin [Plant competition]. 036221

NAUCORIDAE
On the genus Aphelochirus (Heteroptera, *Naucoridae)* of **tropical** Africa [New taxa]. 040133

NAUPHOETA
Activity of neurosecretory cells in relation to ovarian cycle of the viviparous **cockroach** *Nauphoeta* cinerea (Olivier). 039800
Control of various functions by various juvenile hormones in the **cockroach** *Nauphoeta* cinerea. 039908
Influence of carbon dioxide narcosis and cold immobilization on the ovarian growth of the **cockroach** *Nauphoeta* cinerea. 039909

NAVAL
Modern **gum** *naval* stores methods. 035891

NAVEL
Navel **orangeworm** control through early harvest [Insect pests of walnuts]. 039324
Tree density affects large-root distribution of **'Washington'** *navel* orange trees. 038366

NECK
Comparative studies on the physiology of leaf, *neck* and **earhead** isolates of Helminthosporium sativum Pam., King and Bakke parasitic on wheat crop in Karnataka. 038748

NECROSIS
A histopathological study on *necrotic* **arachnidism** by Loxosceles laeta [Venom]. 039646
Necrotic **enteritis** in broiler chickens. III. Reproduction of the disease [Clostridium perfringens]. 035033
Watermelon **rind** *necrosis* [Erwinia, Bacillus] in Imperial Valley. 038855
Infection of Pythium arrhenomanes in vitro with tobacco mosaic virus and **tobacco** *necrosis* virus. 038946

NECTAR
Transport and conversion of sugars in *nectaries* in **connection** with the secretory function [Asclepias, pumpkins]. 037283
The flowers honey comes from [Honey plants, varieties, *nectar* **flow,** apiculture]. 038546
Observations on the characteristics of the *nectar* **glucide** fraction of 5 fruit species [Prunus]. 037634
Nectar **production** of the linden tree [Tilia, honey plants]. 037146
Nectar **secretion** in cotton flowers and its relation to floral visits by honeybees [Apis mellifera]. 040188

NECTARINES
Peach [varieties] for consumption and for processing, *nectarines:* **situation** and prospects for culture in Italy, according to results of a special survey. 038385
Influence of controlled-atmospheres on the quality and condition of **stored** *nectarines.* 033387
In search of new fruit **varieties:** *nectarines.* 038239

NEEDLE
Measurement of phosphatase and esterase activity in Norway spruce [Picea abies] *needles* and **birch** [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973
Seasonal variations in the composition of Pinus halepensis and Pinus sylvestris twigs and *needles* **essential** oil. 037913
Needles in the **grass** [Forest grazing]. 035547
New flavonol glycosides from the *needles* of **Larix** sibirica. 037905
Needle **rust** of Pinus thunbergii caused by Coleosporium xanthoxyli Dietel et P. Sydow. 038736
Needle **variation** in natural populations of Cryptomeria japonica D. Don. 037903

NEGUVON *see* TRICHLORFON

NEMATOCERA
The larvae of Tahitian Simuliidae **(Diptera:** *Nematocera).* 040110

NEMATOCIDE
Irrigation, *nematicide* **boost** fall rye production. 038991
Influence of *nematicides* on **growth** of plots of white clover on a yellow-brown loam. 039040
Antihelminthic properties of punnakkai cake **(Calophyllum inophyllum)** *[Nematocides].* 036998
Nematicidal **polyacetylenes,** 3Z,11E- and 3E,11E-trideca-1,3,11-triene-5,7,9-triyne from Carthamus tinctorius L. 037293

NEMATODE
Cereal cyst eelworm [Heterodera **avenae,** *Nematodes].* 038948
The *nematodes* that **cause** anisakiasis [Contaminated raw fish]. 032100
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of root-knot *[nematode]* **caused** by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Damage **causing** *nematodes* in viticulture. 038995
The biology of **cereal-cyst** *nematode,* Heterodera avenae in India. I. Effect of moisture and temperature on the survival of cyst contents. 039004
Effect of margosa & marigold root exudates on mortality & larval hatch of **certain** *nematodes.* 039001
Notes on two experiments with *nematode* **control** in sugarcane. 039042
Chemical control of the sugarbeet **cyst** *nematode* [Heteroderaschachtii] in Imperial Valley. 038965
The influence of increasing amounts of nitrogen on the propagation of the cereal **cyst** *nematode,* Heterodera avenae Woll. [Oats, barley, wheat, rye]. 039068
Development of the giant kidney worm, Dioctophyma renale (Goeze, 1782) *(Nematoda:* **Dioctophymatoidea)** [Found in mink]. 035040
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the **ectoparasitic** *nematodes* Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
A new species of the **ectoparasitic** *nematode* (the genus Trichodorus [yokooi] from coniferous [Abies nephrolepis and Picea ajanensis] forests of the Far East of the USSR. 039049
Rhizosphere fungi and *nematodes* of **eggplant** as influenced by oilcake amendments. 038711
Epidemiological studies on horses infected with *nematodes* of the **family** Trichonematidae (Witenberg, 1925). 035092
Some timely points on parasite control in strawberry cultivation **[Insects,** *nematodes].* 039073
Observations on the development of Haemonchus contortus in young sheep given a single infection [an **intestinal** *nematode].* 035182
Comparative study of Nicotiana tabacum [tobacco] varieties in relation to root **knot** *nematodes.* 038949
Fumigation with D-D or Telone on soils prone to Docking disorder. II. Effects on numbers of Trichodorus spp. and **Longidorus** spp. *(Nematoda).* 038954
The effect of fenbendazole (Panacur) in sheep naturally infected by gastrointestinal and **lung** *nematodes* [Anthelmintics]. 035229
Studies on selected hosts of Rotylenchulus reniformis and its pathogenicity to soybean (Glycine **max)** *[Nematodes].* 039045
Is the dog infected by **oxyurid** *nematodes?* [Enterobius vermicularis]. 034983
Developmental effects of Brugia **pahangi** *(Nematoda:* Filarioidea) to high temperature in susceptible genotypes of Aedes aegypti (Diptera: Culididae). 039476
Ultrastructure of the esophageal procorpus in the plant **parasitic** *nematode,* Tylenchorhynchus dubius, and functional aspects in relation to feeding. 038968
Parasitic *nematodes* associated with cultivars and clones of banana and plantain in Venezuela. 039043
Plant **parasitic** *nematode* genera associated with sesame (Sesamum indicum L.) in Venezuela. 039044
Plant **parasitic** *nematodes* on roses [Rosa] in Danish glasshouses. 039067
Interactions of *nematodes* with other **pathogens** [Fungi, bacteria] attacking plants in the Western States. 039065
Weed control with plant **pathogens** and *nematodes.* 039105
Pathogenic types of **potato** *nematodes.* 039025
A method of collecting and **processing** *nematode* larvae for electron microscopy [Animal diseases]. 035123
Meloidogyne microtyla **[root-knot** *nematode]* sp. Nov. From southwestern Ontario, Canada. 038967
Effects of various plants on **root-knot** *nematodes* in two-years tobacco rotation plots. 039005
Cellulase secretion by second stage larvae of the **root-knot** *nematode* (Meloidogyne javanica) [Tomatoes]. 039032
Pathogenicity and control of **root-knot** *nematodes* (Meloidogyne spp.) infecting chickpea. 039037
Study of biomass and caloric value of the **soil** *nematode* population in hornbeam-oak [Carpinus, Quercus] forest in Bab. 040569
The public health implications of larval **Thynnascaris** *nematodes* from shellfish. 032101
Genetic control of immune responses to parasites: selection for responsiveness and non-responsiveness to [the *nematode]* **Trichuris** muris in random-bred mice. 035180

NEODIPRION
Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the fox-coloured **sawfly** *Neodiprion* sertifer. 039976
Aerial application of a nuclear polyhedrosis virus to control European pine sawfly *[Neodiprion* **sertifer].** 039382

NEODUSMETIA
The introduction of *Neodusmetia* **sangwani** (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the Rhodesgrass scale, Antonina graminis (Maskell) (Homoptera: Pseudococcidae). 039292

NEONATAL *see* BIRTH

NEOPLASIA
Mammary *neoplasia* in the guinea pig (Cavia porcellus). 035311

NEOPLASM
An **inherited** *"neoplasm"* in a fungus [Schizophyllum commune]. 036622
A **malignant** *neoplasm* resembling a circumanal gland adenocarcinoma in a dog. 035309

NEOPLASTIC *see* PLASTICS

NEOTHIOBINUPHARIDINE
Hemiaminal derivatives of *neothiobinupharidine* [**Nuphar** luteum]. 037063

NEOTROPICAL *see* TROPICAL

NEPHOTETTIX
Causal agent of "waika" [virus] disease of rice plants in Japan [transmitted by *Nephotettix* **cincticeps].** 038882
Transmission by green leafhopper, *Nephotettix* **cincticeps** Uhler of a new dwarf [virus] disease in rice plants. 038887
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, *Nephotettix* **cincticeps,** Laodelphax striatellus, Spodoptera litura]. 039529

NEPHROLEPIS
A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from coniferous [**Abies** *nephrolepis* and Picea ajanensis] forests of the Far East of the USSR. 039049

NEPHROLITHIASIS
Pathological studies on *nephrolithiasis* in **buffaloes** (Bubalus bubalis). 035329

NEPHROSIS
Natural remission of *nephrotic* **syndrome** in a dog with immune-complex glomerular disease. 035343

NEPHROTOMA
Appearances of microtubules [of *Nephrotoma* **saturalis** and rats] after various fixative procedures, and comparison with the appearances of tobacco mosaic virus. 039824
What moves chromosomes, microtubules or microfilaments? *[Nephrotoma* **suturalis].** 039638

NERIUM
Observations of the penetration of the phloem in leaves of *Nerium* **oleander** (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). 036349

NERVES
Histogenesis of **aminergic** *nerve* cells in the chick's diencephalon, Gallus gallus. 033756
The *neural* **basis** of [insect] behaviour. 039779
On the participation of the **diaphragm** *nerve* of swine in the innervation of certain organs. 033990
The environment and function of **insect** *nerve* cells. 039778
Bilateral **optic** *nerve* hypoplasia in a pup [Dogs]. 035341
Blockage of *nerves* of **organs** of the pelvis and udder of cows [Anesthesia]. 034934
Effect of osmotic pressure on spontaneous afferent discharge in the *nerves* of the **perfused** rabbit liver. 034126
Neuronal activity in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral **somatic** *nerves.* 034132
Electrophysiological and histological study of the **splanchnic** *nerve* fibers [Cats]. 033771
The effect of **sympathetic** *nerve* stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078
Cephalic and **thoracic** *nerves* of the castor silk moth Samia ricini (Lepidoptera, Saturniidae) 039606
Nerve-muscle **transmission** [Insects]. 039775

NERVOUS
Central *nervous* structures participating in the simple recognition of touch [Dogs]. 033705
Distribution of type A and B monoamine oxidase activities in the **central** *nervous* system of rat and chick. 033889
Differential influences of CNS [**central** *nervous* system] and superficial body temperatures on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. 034125
Synaptic transmission in the **central** *nervous* system of insects. 039777
An electrophysiological analysis of extra-axonal sodium and potassium concentrations in the **central** *nervous* system of the cockroach (Periplaneta americana L.). 039844
The organization of **insect** *nervous* systems. 039780
The *nervous* **system** [Cats, diseases]. 034896
Anatomy and histology of the *nervous* **system** of Ephemera vulgata L (Ephemeropera). 039711
Fate mapping of *nervous* **systems** and other internal tissues in genetic mosaics of Drosophila melanogaster. 039689

NEST
Nesting place of the **cabbage** aphid [Brevicoryne brassicae]. 039348
An assemblage of uropodid mites on a wasp's [Rhagium **inquisitor**] *nest*. 039700
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in **mole** *nests* in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the spotted fever (SF) group. 039472
Protection of bumblebees [Bombus] that build **natural** *nests*. 039896
Beetles (Coleoptera) from *nests* of **small** mammals of Donetsk province. 040068

NETWORK
Construction of the *network* of **country** roads in the German Federal Republic [Maintenance]. 040394
[Agricultural] **information** *networks:* technology, input and output mechanisms. 031007
Agrochemical centres, present position and size of *network*, **performance** and results, and forthcoming tasks for intensification of crop farming. 031814
Experiences with and instructions on, the erection and operation of very high frequency **radio** *networks* [Agriculture]. 040422
Trials and tribulations in operating an automatic stream-quality **sensing** *network* [Water, computers]. 041334
Evidence for a structural relationship between successive parrell tubules in the **SR** *network* and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and rheusus monkey heart. 034069
A *network* for **technological** information transfer in developing countries. 031840

NEUROBLAST
Chromosome distribution in *neuroblast* **metaphase** cells of Locusta migratoria L. 039676

NEUROGENESIS
Neurogenic **pulmonary** edema in the dog. 035336

NEUROHYPOPHYSIAL
Exocytosis and the exocytosis-vesiculation sequence: with special reference to *neurohypophysis*, **chromaffin** and mast cells, calcium and calcium ionophores [Posterior pituitary hormones]. 033952

NEURONS
Neuronal **activity** in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. 034132
Neuronal **activity** in the lateral vestibular nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133
Comparison of synaptic vesicle sizes in axonal profiles synapsing on *neuronal* **bodies** and dendrites in the cat motor cortex. 034216
Co-ordinating *interneurones* of the locust which convey two patterns of motor commands: their connexions with flight motoneurones. 039845
Co-ordinating *interneurones* of the locust which convey two patterns of motor commands: their connexions with ventilatory motoneurones. 039846
Retrograde transport of horseradish peroxidase in afferent and **efferent** *neurons* from masseter muscle in the rat. 034115
Activity of medullary **respiratory** *neurones* during reflexes from the lungs in cats. 034172
The character of functional associations of *neurons* determined by **RNA** and SH [sulfhydryl]-groups in the cat brain cortex. 034219

NEUROPTERA
Coniopterygidae from South **Africa** *(Neuroptera)* [New taxa]. 040130
The ultrastructure of trophocyte nuclei in the polytrophic ovarioles of **Chrysopa** *(Neuroptera)*. 039945
On the phylogenetic position of Brucheiser argentinus Navas 1927 and description of a second species [Brucheiser penai] from Chile **(Insecta:** *Neuroptera)*. 040145
The wing venation of Chrysopa aspersa Wesm. (Chrysopidae, *Neuroptera)* as a **model** for microevolutionary studies. 039960
Electron microscopic investigations on the structure of the photoreceptor cells in the compound eye of Ascalaphus macaronius (Insecta: *Neuroptera)*. **(Preliminary** note). 039790
Taxonomy of Raphidia (Iranoraphidia n. Sgen.) Wittmeri Asp. And Asp. *(Neuroptera,* **Raphidioptera,** Raphidiidae). 040161
The significance of light trap results for field **studies** on *Neuroptera*. 039623

NEUROSECRETION
Activity of *neurosecretory* **cells** in relation to ovarian cycle of the viviparous cockroach Nauphoeta cinerea (Olivier). 039800
Neurosecretion **[Insects].** 039776
Effects of dieldrin on the *neurosecretory* **system** and the ovarian development of Gryllus assimiliis F. (Orthoptera, Gryllidae). 039206

NEUROSPORAS
Proteases of *Neurospora* **crassa:** their role in morphology [Fungi]. 036318
Morphology and growth kinetics of hyphae of differentiated and undifferentiated mycelia of *Neurospora* **crassa** [Fungi]. 036324
Complementation analysis of linked circadian clock mutants of *Neurospora* **crassa.** 036505
Mutagenicity of actinomycin D in *Neurospora* **crassa** [Fungi]. 036600
Specificity and regulation of peptide transport in *Neurospora* **crassa** [Fungi]. 036788
On the mechanism of photoregulation or morphoses: light-depending carotenoid synthesis [Fusarium aquaeductuum, *Neurospora* **crassa,** fungi]. 036798
Isolation and characterization of a mitochondrially synthesized polypeptide from *Neurospora* **crassa** cni-1 mutant [Fungi]. 036957
Localization of enzymes in the cell walls of *Neurospora* **crassa** [Fungi]. 036993
Synthesis of polyadenylic acid-containing ribonucleic acid during the germination of *Neurospora* **crassa** conidia [Fungi]. 037015
Hyphal wall growth in *Neurospora* **crassa** and Geotrichum candidum [Fungi]. 037050
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an aromatic-amino-acid-synthesizing complex of *Neurospora* **crassa** [Fungi]. 037241
Kinetic and biological properties of trehalose phosphate synthase from *Neurospora* **crassa** [Fungi]. 037307
The mutagenic activity of diepoxbutane in **yeast** *[Neurospora]*. 036603

NEUROTOXIC
Carcinogenic and *neurotoxic* **components** in the cycad Encephalartos altensteinii, Lehm. (Family Zamiaceae). 037301

NEUROTOXIN
A new synthesis of L-2-amino-3-oxalylaminopropionic acid, the Lathyrus **sativus** *neurotoxin*. 037061

NEUTRALIZATION
Neutralizing **antibodies** of colostral origin in calves born of mothers vaccinated against foot-and-mouth disease. 035021
Diagnostic effectiveness of passive hemagglutination reaction and **antibody** *neutralization* reaction in brucellosis. 035234
Neutralization of **pheromones** by antisera in pigs. 033927
The disturbance of physiological gradient of flowering in the **photoperiodically** *neutral* species by means of ringing and biologically active substances [Tobacco]. 037397
The role of stem zones of different tiers in the flowering of plants of the **photoperiodically** *neutral* species [Tobacco]. 037401
Neutral **polysaccharides** in soy sauce. 033248
Comparison of *neutral* **proteinase** activities in cock and ram spermatozoa and observations on a proacrosin in cock spermatozoa. 034681
Phenotypes (killer, *neutral,* **sensitive)** of yeasts of the genus Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. 036062
Effects of **specific** *neutralization* of luteinizing hormone and prolactin on ovarian blood flow and progesterone secretion [in ewes]. 034640

NEUTRON
Neutron **activation** analyses of soils. 040576
A comparative study of gamma-ray, *fast-neutron* and **ethyleneimine** mutagenic effects on Phaseolus vulgaris [kidney beans]chromosomes. 036470
Mutagenic effect of gamma rays and **fast** *neutrons* on Pisum sativum [Peas]. 036480
Neutron **logging** in partially saturated media [Water content]. 041578
Effectiveness of 0.2 **MeV** *neutrons* in the irradiation of seeds of Arabidopsis thaliana (L.) Heynh. 036629
Acute lethality after *fast-neutron* and **X-irradiation** of Tribolium confusum. 039903

NEWBORN ***see*** **BIRTH**

NEWCASTLE
Oily vaccines *[Newcastle* **disease,** prevention, chickens]. 034973
Viral factors required for interferon induction by *Newcastle* **disease** virus in mouse macrophages and chicken embryo cells. 035112
Comparison of RNA polymerase associated with *Newcastle* **disease** virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. 035130
Interference between the pathogen of *Newcastle* **disease** in poultry and the Rous sarcoma virus in vitro. 035205
Some physico-chemical properties of dysentery therapeutic—**prophylactic** *Newcastle* phages H-17 and H-18. 035283
Propagation and characterization of **Ranikhet** *(Newcastle)* disease virus in chicken embryo fibroblast and kidney cell culture. 035084
The diets of preschool children in *Newcastle* upon **Tyne,** 1968-71. 032187
Trials to isolate viral agents *[Newcastle* **virus]** from chicken meats; thoughts on their characteristics. 035049

NIACIN
Niacin. 032425

NICKEL
The effects of *nickel* on the **growth** and on the liver proteins of ducks. 034228
Translocation of foliar applied radioactive [fungicide] *nickel* in **wheat** plants. 038718

NICOTIANA
Nicotine n-oxides [in tobacco, *Nicotiana* **affinis** and Nicotiana sylvestris]. 037513
Meiotic chromosome pairing in interspecific hybrids of *Nicotiana*. I. **Comparative** pairing of hybrids in section suaveolentes. 036607
A study on the resistance to Lycopersicon [tomato] virus 3 Smith in progenies of Nicotiana tabacum L. [Tobacco] X *Nicotiana* **glauca** Grah interspecies hybridization. 038897
Spontaneous diploidization in **haploid** *Nicotiana* silvestris Speg. et Comes. 036376
Lesions by hepatitis-B [virus] antigen-containing sera in tobacco **plants** *(Nicotiana* tabaccum variety Xanthi). 038906
Meiotic chromosome pairing in interspecific hybrids of *Nicotiana*. II. **South** American species hybrids: the influence of genotype on pairing. 036608
A new chromosome number in the Australian **species** *Nicotiana* cavicola L. (Burbidge). 036064
Nicotine n-oxides [in tobacco, Nicotiana affinis and *Nicotiana* **sylvestris**]. 037513
Genetic and breeding studies on *Nicotiana* **tabacum** L [Tobacco]. 036494
In vitro development of haploid embryos of *Nicotiana* **tabacum** cultivar Kentucky [Tobacco, tissue culture]. 037352
A study on the resistance to Lycopersicon [tomato] virus 3 Smith in progenies of *Nicotiana* **tabacum** L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. 038897
Comparative study of *Nicotiana* **tabacum** [tobacco] varieties in relation to root knot nematodes. 038949
Inheritance of split-corolla, a developmental instability in *Nicotiana* **[Tobacco].** 039196

NICOTINAMIDE
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) *[nicotinamide* **adenine** dinucleotide phosphate] redox balances. 032865
Effect of NADP *[nicotinamide* **adenine** dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813
Mutants of Aspergillus nidulans **lacking** *nicotinamide* adenine dinucleotide-specific glutamate dehydrogenase [Fungi]. 036561
Adenosine triphosphate: *nicotinamide* **mononucleotide** adenylyltransferase of pig liver. Purification and properties. 033784
Identification of NADPH **[reduced** *nicotinamide* adenine dinucleotide phosphate]-thioredoxin reductase system in Euglena gracilis [Algae]. 037240

NICOTINE
Effect of **chronic** *nicotine* administration on the intestinal mucosal alkaline phosphatase in rats. 033970
Densitometric method of determination of *nicotine,* **nornicotine** and anabasine in tobacco. 032891
Nicotine **n-oxides** [in tobacco, Nicotiana affinis and Nicotiana sylvestris]. 037513

NIGELLA
Induced somatic pairing in *Nigella* **sativa** L. [Chromosomes]. 036459

NIGHT
Arthropods in cereal crops: *nocturnal* **activity,** vertical distribution and aphid predation. 039290
Algal nitrogen fixation in Californian streams: diel **cyclesand** *nocturnal* fixation. 036950
Growth and development of soybean cv. TK5 as affected by tropical daylenghts, *day/night* **temperatures** and nitrogen nutrition. 037345

NIPTUS
Niptus **hololeucus** in toothpaste. 039421

NISIN

Effect of *nisin-producing* **strains** [of Streptococcus lactis]on the activity of some common starter cultures. 032965

NITELLA

Characterization of the respiratory metabolism of the **charophyte** *Nitella* acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153

Nonspecific hyperpolarization of plant cell under the action of poisons in small concentration *[Nitella* **syncarpa,** Algae]. 036909

Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, sodium, chlorine isotopes] in *Nitella* **translucens** [Algae]. 037039

Subcellular localization of inorganic ions in plant cells *[Nitella* **translucens,** algae]. 037261

NITRARIA

The effects of emus (Dromaius novaehollandiae Latham) on the distribution of the nitre **bush** *(Nitraria* billardieri DC.). 036226

NITRATES

Nitrate **absorption** by barley. I. Kinetics and energetics. 037524

Nitrate **absorption** by barley. II. Influence of nitrate reductase activity. 037525

Fermentative conversion of sugarcane juice into fungal protein. II. Effect of different nitrogen sources, levels of **ammonium** *nitrate* and incubation period. 033243

Short-term studies of the uptake of nitrogen by young apple trees after soil application of **ammonium** *nitrate.* 037632

Differences in volume growth increase after [forest] fertilization with urea and **ammonium** *nitrate* fertilizer. 040886

Dates and methods for urea and **ammonium** *nitrate* application to irrigated maize on soils having a heavy mechanical composition. 041030

Nitrogen in crops and leaching water using *nitrate* and **ammonium** nitrogen as fertilizers. Lysimeter experiments 1962-1972. 041107

Nitrate **determination** in soil using a nitrate selective electrode. 040841

Disposition of **fertilizer** *nitrate* applied to a swelling clay soil in the field [Sorghum]. 040997

Nitrate **leakage** from soils differing in texture and nitrogen load. 040672

Determination of *nitrate* in **milk** and cheese by cadmium reduction. 032091

Nitrate **movement** and its distribution in the soil profile of differentially fertilized corn watersheds [in Iowa]. 041043

The history and use of *nitrate* and **nitrite** in the curing of meat. [Food flavoring]. 033078

Nutritional and physiological effects of *nitrates,* **nitrites,** and nitrosamines. 032181

Studies on the *nitrate* **nutrition** of two indigenous Rhodesian grasses [Hyparrhenia filipendula, Sporobolus pyramidalis]. 037472

Possible participation of peroxidase in reduction of *nitrates* in **plants** [Broadbeans]. 037585

The growth inhibitors in sugarbeet seed balls. II. Isolation of **potassium** *nitrate* as the germination inhibitor and hypocotyl stimulating substance. 037545

Nitrate absorption by barley. II. Influence of *nitrate* **reductase** activity. 037525

Effect of salt and abscisic acid on in vitro activity of *nitrate* **reductase** in seedlings of Phaseolus aconitifolius [Moth beans]. 037611

Activity of *nitrate* **reductase** in cabbage and tomato plant with introduction of algal mass as organic fertilizer. 037700

Nitrate determination in soil using a *nitrate* **selective** electrode. 040841

Soil *nitrates* following four years continuous corn and as surveyed in irrigated farm fields of central and eastern Colorado. 040677

Compatibility of *nitrate* in **swine** [Intoxication]. 035426

NITRIC

Reactions of nitrous acid and *nitric* **oxide** with porphyrins and haems. nitrosylhaems as nitrosating agents [Food additives, meats]. 031982

Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, *nitric* **oxide,** oxygen] complexes of reduced horseradish peroxidases. 037639

NITRITES

The history and use of nitrate and *nitrite* in the **curing** of meat. [Food flavoring]. 033078

The optimization of conditions for determining iodine [content] by a **kinetic** *rhodanine-nitrite* method [in biological materials]. 036735

Nutritional and physiological effects of nitrates, *nitrites,* and **nitrosamines.** 032181

On the reduction of **residual** *nitrite* in the production of cooked sausages. 033113

NITRO

Comparative mutagenic effects of ethyl methane-sulfonate, *nmethyl-n'-nitro-n-nitrosoguanidine,* **ultraviolet** radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126

NITROAMMOPHOSKA

The migration of nitrogen, phosphorus and potassium of *nitroammophoska* in **loamy** soddy-podzolic soil. 040878

NITROGEN

Effects of the amount of *nitrogen* **absorbed** up to the stage of 90 in leaf number index on the morphological characteristics, the degree of lodging and the yield components in rice plants. 037541

Correlation between *nitrogen-fixing* **activity** of lupine nodules and the content of nitrogen compounds in them. 037423

Algal *nitrogen* fixation in Californian streams: seasonal cycles. 036949

Algal *nitrogen* fixation in Californian streams: diel cyclesand nocturnal fixation. 036950

Effect of availability of *nitrogen* on **alkaloid** synthesis in Solanaceae [Tobacco, potatoes, Datura stramonium]. 036846

Relation between *nitrogen* & **alkaloid** contents during different developmental stages of Datura innoxia Mill. 036996

Studies on cytochrome c. X. Synthesis of N *[nitrogen]* **alpha-benzyloxycarbonyl-[Thr107]** [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724

Nitrogen in crops and leaching water using nitrate and **ammonium** *nitrogen* as fertilizers. Lysimeter experiments 1962-1972. 041107

The effect of interval between harvests and *nitrogen* **application** on the proportion and yield of crop fractions in four ryegrass [Lolium] varieties in the first harvest year. 038048

Boosting sugarcane quality through *nitrogen* **application** in relation to irrigation. 040983

Effect of method of *nitrogen* **application** on corn (Zea mays L.) grown on irrigated sandy soils. 041039

Nitrogen fertilization of grassland. 8. Effect of previously **applied** *nitrogen.* 041099

Some physical properties of birch carbonized in a *nitrogen* **atmosphere** [Betula, wood]. 035899

Green Revolution and vital factors in steady increase in crop production and **atmospheric** *nitrogen* fixation in the slow oxidaton of organic matter by air and the protein problem. 031849

Nitrification and *nitrifying* **bacteria.** 040651

The influence of various forms of *nitrogen* and **bacterization** on the growth and development of soybean under sterile pot experiment conditions. 037577

Use of elemental diet and *nitrogen* **balance** studies in severe infantile protein-calorie malnutrition. 032327

N *[nitrogen]* **balance** in flooded rice culture in relation to methods of application. 040851

Nitrogen and **carbohydrate** exchange in poultry treated with ultraviolet radiation. 034237

The utilisation of soil mycobacteria derivatives of purine and pirimidine (DPP) as the only source of *nitrogen* and **carbon.** 040847

The effect of certain herbicides used in a maize-field on the *nitrogen* **circulation** of the soil. 039092

Correlation between nitrogen-fixing activity of lupine nodules and the content of *nitrogen* **compounds** in them. 037423

Age specificity of the amino acid composition and *nitrogen* **content** in the connective tissue of Caucasian Brown cattle. 034180

Nitrogen in **crops** and leaching water using nitrate and ammonium nitrogen as fertilizers. Lysimeter experiments 1962-1972. 041107

Comparative response to *nitrogen* **deficiency** of a tropical and temperate **grass** [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019

Can the *nitrogen* **demand** of shrinking nitrogen consumption be covered by forced symbiosis with natural nitrogen compounds? 041111

Nitrogen and **dry-matter** accumulation in high lysine and normal varieties of barley. 037470

Economising *nitrogen* fertiliser use for rice production in West Bengal. 040920

A comparison of supplementary sources of *nitrogen* and **energy** for increasing the voluntary intake and utilization of barley straw by sheep. 034398

Nitrogen **exchange** in potato plants damaged by S and M viruses. 038916

Nitrogenous **excretory** products of adults of Sitophilus oryzae and Sitophilus granarius [wheat]. 039270

Nitrogen **fertilisation** of winter cereals. 040914

Effective use of urea as a *nitrogen* **fertiliser** in crop farming. 040911

Effect of yield and *nitrogen* **fertilization** on grass drying in the open. 033587

Studies on clonal selection of sugarcane at different levels of *nitrogen* **fertilization** [Breeding, heredity]. 036636

Changes in the content and composition of carbohydrates in spring wheat caused by the *nitrogen* **fertilization.** 037498

Crop production function determinations [relating to maize yield] as influenced by irrigation and *nitrogen* **fertilization** using a continuous variable design. 038098

Effect of different dosages of *nitrogen* **fertilization** upon some morphological characters of RTV [rice tungro virus] infected rice varieties. 038909

Sunflower response to *nitrogenous* **fertilization** at G. R. S. [Sudan]. 040852

Results from *nitrogen* **fertilization** of potato plots. 040918

Effects of *nitrogen* **fertilization** on the quantity and quality of protein in barley grains. 041009

Nitrogen **fertilization** of spring wheat. 041010

Nitrogen **fertilization** of cereals. 041079

Nitrogen **fertilization** of grassland. 8. Effect of previously applied nitrogen. 041099

Nitrogen **fertilization** of maize. 041100

Economic use of water with *nitrogen* **fertilization** and assessment of suitable indices for scheduling irrigation in sugarcane. 041339

Investigations into the ripening of wheat affected of various amounts of *nitrogen* **fertilizer.** 037493

Duration and course of response to *nitrogen* **fertilizer** in pine and spruce [Pinus, Picea] stands. 040887

Lime introduction and *nitrogen* **fertilizer.** 041008

Use of the stable N15 [nitrogen] isotope to study the balance of **fertilizer** *nitrogen* in field lysimeters on sod-podzolic sandy loam soil. 041097

Commercial fertilizer. I. *Nitrogen* **fertilizer.** 041105

The levels of *nitrogenous* **fertilizers** and the structure of the apple tissues. 037624

A comparison of *nitrogenous* **fertilizers** applied to wheat. 040948

The use of a specific ion electrode for determination of bromide in soils [Tracer studies of the movement and distribution of *nitrogen* **fertilizers].** 041047

Effect of doses of *nitrogen* **fertilizers** on yield and quality of apple tree seedlings. 041086

Effect of *nitrogen* **fertilizers** on productivity of meadows of the Ukrainian Polesye. 041123

Effectiveness of *nitrogen* **fertilizers** on alpine sown meadows. 041125

Role of *nitrogen* **fertilizers** in increasing productivity of meadows in peat soils of the Ukrainian Polesye. 041126

Nitrogen **fixation** associated with the marine macroalga Codium fragile. 037090

Diurnal changes in *nitrogen* **fixation** in the root nodules of Casuarina [cunninghamiana]. 037247

Nitrogen **fixation** in Flax Pond: a Long Island salt marsh. 040684

Effect of sources of *nitrogen* on **flue-cured** tobacco. 040856

Changes in the composition of *nitrogen* **fractions** in the ripening grain of cereals. 037499

Influence of some herbicides on the content and composition of *nitrogen* **fractions** in grain of several wheat varieties; report. 039149

Geologic *nitrogen* in pleistocene loess of Nebraska. 040670

Effects of storage technique for immature maize on the utilization of its carbohydrates and *nitrogen* in **growing-finishing** swine. 034289

Incorporation of N from intravenously administered 15N *[nitrogen* **isotope]** labelled urea into the bacterial protein in the sheep. 033721

Passage of the intravenously administered 15N *[nitrogen* **isotope]** urea into the digestive tract and its excretion in thesheep. 033722

Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N *[nitrogen* **isotope]** urea into the basic amino acids of goat milk. 034317

Use of the stable N15 *[nitrogen]* **isotope** to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy loam soil. 041097

Turnover of 15N-14C *[nitrogen* **isotope-carbon** isotope] acetyl urea in sheep. 034321

Total muscle mass in malnourished children measured by N *[nitrogen* **isotope]-creatine.** 032326

Effects of daylength, temperature and *nitrogen* **level** on the heading of rice plants under the controlled environments. 037540

Barley, oats, and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and *nitrogen* **level** on yield and quality of yield. 038171

Green Revolution under **limited** *nitrogenous* fertilizer availability. 040979

Experimental results from a study on the use of **liquid** *nitrogen* for fish freezing. 032742

Biological structure of poultry meat frozen in **liquid** *nitrogen* and in air. 033122

Nitrate leakage from soils differing in texture and *nitrogen* **load.** 040672

Corn fertilization programme in Arab Republic of Egypt. I. Utilization of *nitrogen* by **maize** as affected by time and method of application. 040859

Further studies of the dynamics of *nitrogen* **metabolism** in sheep. 033830

Simulation of the dynamics of *nitrogen* **metabolism** in sheep. 033831

The effect of a reduction in food intake during late pregnancy on *nitrogen* **metabolism** in ewes. 034402

Effects of dietary soy or urea nitrogen and feeding frequency on *nitrogen* **metabolism,** glucose metabolism and urinary metabolite excretion in sheep. 034410

Effect of protein nutrition on *nitrogenous* **metabolism** in swine. 034490

Nitrogen **metabolism** of Raya (Brassica juncea Coss.) during germination under simulated drought. 037340

Certain problems of *nitrogen* **metabolism** in plants [of kidney beans] under expansion of tissues induced by 2,4-dichlorophenoxyacetic acid. 037622

Post infection changes in *nitrogen* **metabolism** in virus infected Carica papaya L. [Papayas]. 038905

Dynamics of some N *[nitrogen]* **metabolites** in the blood serum of lambs in combined feeding conditions. 034510

Estimation of soil nitrogen reserves by determination of **mineral** *nitrogen.* 041073

Determination of **molecular** *nitrogen* in studying gaseous losses. 040820

Correlatin between activity of *nitrogen* **mustards** in alkylation reactions and their mutagenic activity on fungi [Aspergillus nidulans]. 036666

Can the nitrogen demand of shrinking nitrogen consumption be covered by forced symbiosis with **natural** *nitrogen* compounds? 041111

Contribution of symbiosis to the *nitrogen* **needs** of soybean (Glycine max L. Merr.). 037334

Nitrification and **nitrifying** bacteria. 040651

How much **non-protein** *nitrogen?* [Ruminant diets]. 034255
Non-symbiotic *nitrogen* fixation in soil. 040652
The dynamics of carotene formation in plants as related to the level of *nitrogen* **nutrition** and irrigation [of pasture grasses]. 037342
Growth and development of soybean cv. TK5 as affected by tropical daylenghts, day/night temperatures and *nitrogen* **nutrition.** 037345
Effect of *nitrogen* **nutrition** on glycolate oxidase activity in [broad] bean and corn plants. 037580
Determination of levels of *nitrogen* **nutrition** for peaches at different growth periods by the method of foliar diagnosis. 037623
Effect of carbon and *nitrogen* **nutrition** on the growth and sporulation of Helminthosporium speciferum [Cotton]. 038650
Effect of soil applied pesticides on *nitrogen* **nutrition** and yield of sugarcane. 039552
Nitrogen **nutrition** for fruit trees. II. Sour cherry (Prunus cerasus). 041108
The **optimal** *nitrogen,* phosphorus and potassium fertilization of grasslands. 041082
Response of paddy to *nitrogen,* **phosphate** and potash and their respective economic optima under varying prices. 040927
Effects of *nitrogen* and **phosphorus** fertilizer on malting quality of wheat. 033190
The dynamics of *nitrogen* and **phosphorus** cycling in the open waters of the Chesapeake Bay [Phytoplankton, algae]. 036721
The influence of *nitrogen,* **phosphorus,** potassium, and copper doses on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
Energy dissipation and photosynthesis in *nitrogen* and **phosphorus** nutrition [Sunflowers]. 037582
Influence of N, P, K *[nitrogen,* **phosphorus,** potassium] on stem rot [Macrophomina phaseoli] incidence of capsularis jute. 038657
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, *nitrogen* and **phosphorus].** 040552
Nitrogen and **phosphorus** levels in soils beneath sewage disposal ponds. 040673
The migration of *nitrogen,* **phosphorus** and potassium of nitroammophoska in loamy soddy-podzolic soil. 040878
Effect of *nitrogen,* **phosphorus,** and potassium fertilizers on yield components and specific gravity of potatoes. 040882
Rose response to *nitrogen,* **phosphorus,** and potassium fertilization rates in plastic mulch covered beds of find sand. 040894
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. *[Nitrogen,* **phosphorus,** potassium] and their influence on quality of potato. 040980
Nitrogen and **phosphorus** losses from winter disposal of dairy manure. 040999
Action and interaction of *nitrogen,* **phosphorus** and potassium in sunflower fertilization on calcareous soils. 041062
Studies on the availability to plants of soil nitrogen in malaysian tropical oligotrophic peat. II. Effects of N, P, K *[nitrogen,* **phosphorus,** potassium] and micronutrients. 041110
Behavior of (brachytic-2) Piranao maize and normal-sized maizes at different *nitrogen* and **plant** density levels [Culture, varieties]. 038004
Assimilation of *nitrogen* by **plants** in conditions of phosphorus deficiency [Pumpkins]. 037705
Seasonal dynamics of humic acids and various forms of *nitrogen* in a **podzolic** soil. 040742
Interactions between *nitrogen* and **potassium** in the nutrition of tropical oil plants. 036979
Role of folair diagnosis in the establishment of *nitrogen,* **potassium** and phosphorus requirements of grapes. 037884
Early results of a comparison between a *nitrogen-rich* and a **potassium-rich** fertilizer in dwarf coconut palms. 041101
Leaching of N *[nitrogen]*—**problem** of cropping efficiency, not of pollution [Maize]. 040594
The influence of increasing amounts of *nitrogen* on the **propagation** of the cereal cyst nematode, Heterodera avenae Woll. [Oats, barley, wheat, rye]. 039068
A note on the retention of energy and *nitrogen* in **rabbits.** 033739
Different levels of *nitrogen* in the **ration** for wool production from Rahmani lambs. I. Effect of ration containing high quality roughage with different levels and sources of nitrogen on wool production and characteristics. 034264
The effect of development of podzolic soils on the Kola Peninsula on their *nitrogen* **regime** and biological activity. 040563
Nitrogen **removal** by biological denitrification. 041639
Leghaemoglobin and the supply of O2 [oxigen] to *nitrogen-fixing* **root** nodule bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051
In alkali soils urea spraying for **saving** *nitrogen* and more wheat. 040981
Nitrogen in **sedimented** organic matter from Lake Ontario. 040631
Can the nitrogen demand of **shrinking** *nitrogen* consumption be covered by forced symbiosis with natural nitrogen compounds? 041111
Nitrogen in **soil** cores and ground water under abandoned cattle feedlots. 040674
Estimation of **soil** *nitrogen* reserves by determination of mineral nitrogen. 041073
Studies on the availability to plants of **soil** *nitrogen* in Malaysian tropical oligotrophic peat. I. Effect of liming andpH [hydrogen-ion concentration]. 041109
Studies on the availability to plants of **soil** *nitrogen* in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. 041110
Changes in **soluble** *nitrogens* during spring growth of Cryptomeria japonica seedlings. 037922
Beet pulp and dried manure as a *nitrogen* **source** (protein) substitute for fattening bulls. 034327
Use of malt extract as a *nitrogen* **source** for continuous cultivation of yeast Candida utilis. 037236
Effect of the *nitrogen* **source** on the activites of key enzymes of carbohydrate metabolism in cultured plant cells in vitro [Acer pseudoplatanus]. 037939
Fermentative conversion of sugarcane juice into fungal protein. II. Effect of different *nitrogen* **sources,** levels of ammonium nitrate and incubation period. 033243
Pattern of dry matter accumulation and distribution in finger millet genotypes in relation to levels of **spacing** and *nitrogen.* 038084
Relation between the content of wines in higher alcohols and the content of musts in *nitrogen* **substances** particularly in amino acids. 033356
Nitrogen [for **sugarbeets]:** why waste money? 040892
Nitrogen and **sulfur** content and pH of precipitation in Iowa [Hydrogen-ion concentration , air pollution, water quality]. 041607
Biuret as a source of **supplemental** *nitrogen* for wintering beef cows. 034405
Effect of drainage conditions on *nitrogen* **supply** and yield of young loamy soils in the Ysselmeer polders [Barley]. 041437
Role of humus formation and decomposition in the **terrestrial** *nitrogen* cycles. 040634
Determination of **total** *nitrogen* in wine [raw] materials by the volumetric method. 033457
Effect of defoliation and *nitrogen* **treatment** on total and seasonal production of grass. 040885
Response of barley cultivars grown at **two** *nitrogen* levels. 041011
Evaluation of methods for preserving the levels of soluble inorganic phosphorus and *nitrogen* in **unfiltered** water samples. 041352
The influence of nitrogen, phosphorus, potassium, and copper doses on the yields, and the copper and *nitrogen* **uptake** by plants under the conditions of pot experiments [Field crops]. 037507
Effect of *nitrogen* on the **uptake** of selenite-selenium by excised barley roots. 040865
Effects of dietary soy or **urea** *nitrogen* and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. 034410
Initial release of *nitrogen* from **ureaform** under field conditions [of Israel, bananas]. 041042
Nitrogen in the **volcanic** soils of Caldas (Colombia). 040694
Different levels of nitrogen in the ration for wool production from Rahmani lambs. I. Effect of ration containing high quality roughage with different levels and sources of *nitrogen* on **wool** production and characteristics. 034264
Short-term studies of the uptake of *nitrogen* by **young** apple trees after soil application of ammonium nitrate. 037632

NITROGENASE
Photosynthetic electron transport, ATP [adenosine triphosphate] synthesis and *nitrogenase* **activity** in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
Study of *nitrogenase* **activity** in the mycorrhizal rhizosphere of pine and oak [Pinus, Quercus]. 037889

NITROPHENOL
Esterase of vetch seeds hydrolyzing **carbobenzoxy-alanine** *p-nitrophenyl* ester. 037702
Kinetic studies on the hydrolysis of *p-nitrophenyl-beta-D-glucoside* **catalyzed** by beta-glucosidase from sweet almond by means of the stopped-flow method. 033424

NITROQUINOLINE
Unscheduled DNA synthesis induced in barley seeds by gamma rays and *4-nitroquinoline* **1-oxide.** 037483

NITROSAMINE
Nutritional and physiological effects of nitrates, **nitrites,** and *nitrosamines.* 032181

NITROSO
Experimental mutagenesis in apple. III. Morphological and genetic effects in Malus domestica, **induced** by *N-nitroso-N-methylurea.* 036672
Cytogenetic effect of *N-nitroso-N-methyl* **urea** on cells of Crepis capillaris L. seeds stored for a long time after treatment. 036954

NITROSOGUANIDINES
Comparative mutagenic effects of ethyl methane-sulfonate, *nmethyl-n'-nitro-n-nitrosoguanidine,* **ultraviolet** radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126

NITROSOMETHYLUREA
Experimental mutagenesis in apple. IV. Phenotypic and genotypic changes in Malus domestica, induced by low doses of **X-rays** and *nitrosomethylurea.* 036670

NITROUS
Reactions of *nitrous* **acid** and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents [Food additives, meats]. 031982
Chromosome doubling of barley haploids by *nitrous* **oxide** and colchicine treatments. 036406

NOCARDIA
Successful management of nocardial empyema in a dog and cat *[Nocardia* **asteroides].** 035103
Activities of cholesterol degrading microorganisms [Mycobacterium rubrum, Proactinomyces, Nocardia opaca, *Nocardia* **erythropolis].** 037113
Reaction of soil microflora [Fusarium solani, Arthrobacter, *Nocardia,* **Geotrichium** candidum] to treatment with propanide [Herbicides]. 040687
Activities of cholesterol degrading microorganisms [Mycobacterium rubrum, Proactinomyces, *Nocardia* **opaca,** Nocardia erythropolis]. 037113

NOCTUIDAE
Adult dormancy in some species of the genus Noctua (Lepidoptera, *Noctuidae)* in **Central** Europe. 039604
Effect of some host plants on development and reproduction of Spodoptera littoralis (Boisd.) (Lepidoptera, *Noctuidae)* **[Cotton** pests]. 039260
Effect of photoperiod on emergence rhythm of adult Spodoptera littoralis Boisd. **(Lepidoptera,** *Noctuidae).* 039622
The effect of the light regime upon the Accumulation of phospyhorus combinations in pupae of Heliothis armigera Hb. **(Lepidoptera,** *Noctuidae).* 039719
New *Noctuidae* from the Vartian Collection (Vienna). I. (Lepidoptera, Noctuinae) [Austria]. 040156

NOCTURNAL *see* NIGHT

NODULES
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species *[Nodule* **bacteria** from lupine, peanuts and cowpeas]. 036947
The effect of inoculation [with *nodule* **bacteria]** on the assimilation of hardly accessible sources of phosphorus by soybeans. 037960
Studies of phage 1P receptors in Rhizobium trifolii and Rhizobium leguminosarum *[Nodule* **bacteria].** 040554
On the development of *nodular* **bacteria** [Rhizobium leguminosarum, Rhizobium lupini] in the soil. 040686
Interaction of lime and seed pelleting on the *nodulation* and **growth** of white clover. II. Oversown trials. 037484
Correlation between nitrogen-fixing activity of **lupine** *nodules* and the content of nitrogen compounds in them. 037423
Some morpho-physiological and symbiotic properties of polyploid forms of **pea** *nodule* bacteria [Rhizobium leguminosarum, alfalfa]. 037680
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing **root** *nodule* bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051
Diurnal changes in nitrogen fixation in the **root** *nodules* of Casuarina [cunninghamiana]. 037247
Some aspects of practical application of kinetin [for plant growth and the formation of *nodules* and **tubers].** 037709
Certain carbohydrate-metabolism enzymes in the *nodules* of **yellow** lupine. 037354

NOISE
The *noise* of **chainsaw.** III. Calculating method of the protection provided by the hearing protector and the noise control criterion. 035706
A study on the prevention of vibration and *noise* of **forest** machines [logging equipment]: considerations mainly with relation to improvement of forest operations. 035709
Analysis of the Diesel **motor** *noise* of tractors in a brake room. 040407
Noise **reduced** in the agricultural machinery district services of Zerbst. 040429

NOMENCLATURE
Nomenclatural **adjustments** in some European monocotyledons. 036014
Cork *terminology.* 035786
Terminology used for **describing** the cambium [Wood anatomy]. 035778
International **feed** *nomenclature.* 033523
Nomenclatural **invalidation** of the rust genus Jacksoniella [Thirumalachariella]. 036028
Proposal for a **new** *nomenclature* of the Sarcosporidia [Animal parasites]. 035287
Nomenclature **notes** on some species of Atraphaxis L. (Polygonaceae). 035978
Nomenclatural **notes** on Claytonia spathulata. 036053
Proposals on the classification and *nomenclature* of **ranges** [Biogeographical regions, entomology]. 040072

NONCHERNOZEM *see* CHERNOZEM

NONDORMANT *see* DORMANCY

NONHOST *see* HOST

NONMETABOLIC *see* METABOLISM

NONPROTEIN *see* PROTEINS

NORADRENALINE
On the role of *noradrenaline* in the **regulation** of muscle thermogenesis during cooling [Rabbits]. 033901

NORMALIZATION
Some properties of IgG [immunoglobulin G1] and IgG2 [immunoglobulin G2] globulins from *normal* and **adjuvant** stimulated guinea-pigs. 033925
Histidine: an essential amino acid for *normal* **adults.** 032421
Utilization of iron from enriched wheat bread by *normal* and **anemic** rats. 032198
Synthesis of indoleacetic acid in *normal* and **autonomous** cultures of plant tissues. 036943
From attentiveness to sleep. A topographical analysis of localized "synchronized" activities on the cortex of *normal* **cat** and monkey. 033708
The influence of seasonal changes in light on hormones in *normal* **cats** and in cats with lesions of the superior colliculi and pretectum. 034064
Meiotic behaviour of single-arm tetrasomic combinations of isochromosomes, telocentrics and *normal* **chromosomes** in rye (Secale cereale L.). 036416
Activation of trypsinogen in the *normal* and **coeliac** intestine [damaged by the gliadin fraction of wheat and other cereals]. 032462
Karyotype of the guinea fowl under *normal* **conditions.** 034603
Amino acid and protein evaluation of commercially grown opaque-2 and *normal* **corns.** Two year summary. 033570
Factors influencing changes in ploidy and nuclear DNA levels in cells from *normal,* **crown-gall** and habituated cultures of Helianthus annuus L. [Sunflowers]. 036345
Protein quality of two varieties of high lysine maize fed alone and with black beans or milk in *normal* and **depleted** weanling rats. 032306
A study of the effects of diet composition, within the pounds of *normal* **diversity,** on the characteristics of backfat lipid in pigs. 034399
Toxic effects of o,p'-DDD in the *normal* **dog.** 035421
Urinary phenolic acids of *normal* **dogs** & their retention in acute experimental uraemia. 035321
Metabolism of A cobalt 58 [isotope]-tagged vitamin B12 in *normal* and **fasting** albino rats. 032494
Carotenoids in blue mutant and *normal* **green** pupae of Hyalophora cecropia. 039835
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and peritoneal macrophages from *normal* **guinea** pigs. 034980
Food additives and hyperactivity; a comparison of food additives in the diets of *normal* and **hyperactive** boys. 032204
Morphofunctional state of principal organ system, life span, and fertility in the domestic cricket Acheta domestica during *normal* **imaginal** development and after allatectomy. 039930
Ventilation studies on **long-term** *normal* storage of onions. 033380
Stand, early growth and plant and ear height of endosperm mutants and *normal* **maize** hybrids under field conditions. 036715
Behavior of (brachytic-2) Piranao maize and *normal-sized* **maizes** at different nitrogen and plant density levels [Culture, varieties]. 038004
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of exudates from *normal* and **mastitic** udders of the heifer. 035012
Analysis of activity of muscle spindles of the jaw-closing muscles during *normal* **movements** in the cat. 034071
Fluorescence induction of *normal* and **mutant** maize seedlings. 037441
Competition between metal tolerant and *normal* **plant** populations; a field experiment on normal soil. 036207
Peripheral plasma levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in *normal* **pregnancy** and after dexamethasone treatment. 034687
Studies on the production of furfural from agro-industries wastes under *normal* **pressure.** 041596
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at *normal* **protein** level. 034533
Competition between metal tolerant and normal plant populations; a field experiment on *normal* **soil.** 036207
Some physiological differences in arabica and robusta coffee plants grown in *normal* **soil.** 036982
Sexual drive of *normal* and **SR** flies of Drosophila nebulosa. 039734
Carbohydrate tolerance test in buffalo calves under *normal* and **stress** situations. 033976
Cell proliferation in the developing wing-bud of *normal* and **talpid3** mutant chick embryos. 034051
A scanning electron microscope study of the structures of *normal,* **tension** and morphactin IT 3456 induced wood in Aesculus hippocastanum. 035703
A genetic analysis of the nature of the reversions induced by ultraviolet light in *normal* and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. 036664
Normal **values** of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in unanesthetized dogs. 033714
Nitrogen and dry-matter accumulation in high lysine and *normal* **varieties** of barley. 037470
Biosynthetic studies in mannolipids and mannoproteins of *normal* and **vitamin** A-Depleted hamster livers. 033787
A note on seasonal variation in *normal* **water** intake by indigenous and crossbreed sheep. 034278

NOSEMA
Ultrastructural analysis of the freeze-etched spore envelope of the microsporidian, *Nosema* **apis** Zander [Disease of honeybee]. 040297
Prophylaxis of *Nosema* **disease** of honeybees. 040311
Nosema **polygrammae** sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365
Effect of protein food on the multiplication of **protozoon** *Nosema* apis Z. [Bee diseases]. 040310

NOSEMATIDAE
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, *Nosematidae)* **infecting** Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365

NOSTOC
Effect of NADP [nicotinamide adenine dinucleotide phosphate ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga *[Nostoc* **muscorum].** 036813
Effects of magnesium and chloride ions on light-induced electron transport in membrane fragments from a blue-green alga *[Nostoc* **muscorum].** 036815

NOTABLE
Dorcatoma serra Pz. (Coleoptera, Anobiidae): a *notable* **addition** to the Suffolk list. 040018

NOTCH
Gaging sediment-laden flows with *V-notch* **weirs** [Watersheds]. 041374

NOTHOFAGUS
Extractives of New **Zealand** *Nothofagus* species. 1. Petroleum ether solubles. [Wood]. 035835

NOTOCACTUS
Notocactus H 339 **[Succulents,** varieties]. 038500
Notocactus H 80 **[Succulents,** varieties]. 038501

NOTODONTIDAE
Moths of the families Sphingidae, *Notodontidae* and **Agaristidae** observed in Ku-ring-gai Chase National Park, New South Wales. 039985

NUCLEAR
Revision of the structure of the bisindole alkaloid 14',15'dihydropycnanthine. A **carbon-13** *nuclear* magnetic resonance study [Gonioma malagasy]. 037065
Informational complexity of the *nuclear* and **chloroplast** genomes of Chamydomonas reinhardi [Algae]. 036818
Factors influencing changes in ploidy and *nuclear* **DNA** levels in cells from normal, crown-gall and habituated cultures of Helianthus annuus L. [Sunflowers]. 036345
Nuclear **DNA** content and ploidy values in clonally-developed plasmodia of the myxomycete Didymium iridis [Fungi]. 036415
Effect of cordycepin triphosphate on the *nuclear* **DNA-dependent** RNA-polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. 036780
Thrombocytes and coagulation of blood in cows affected by a mixture of *nuclear* **fission** products [Radiation injuries]. 035438
Study of the genetic effects induced in populations by radioactive products of the *nuclear* **fission** of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Use of broad-line NMR *[nuclear* **magnetic** resonance] to determine the amount of solid phase in cottonseed oil hydrogenates. 033213
Nuclear **magnetic** resonance analysis of hydrogen and carbon isotopes of azulene extract derivatives of Eriocephalae punctulactus. 036860
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption polarization spectroscopy and *nuclear* **magnetic** resonance. 037656
Localization of DNA replicator sites near the *nuclear* **membrane** in plant cells [Haplopappus gracilis]. 036308
Nuclear **magnetic** resonance of lichenin [Musci, Cetraria islandica]. 037295
Characterization of the DNA from the dinoflagellate Crypthecodinium cohnii [Algae] and implications for *nuclear* **organization.** 036861
Aerial application of a *nuclear* **polyhedrosis** virus to control European pine sawfly [Neodiprion sertifer]. 039382
Replication of a *nuclear* **polyhedrosis** virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. 039866
Effects of estrogen on gene expression in chick oviduct: *nuclear* **receptor** levels and initiation of transcription. 034145
Study of the self-diffusion of water in biological objects by the method of *nuclear* **spin** echo using pulse gradient of the magnetic field [Plants, mice]. 033879
Nuclear **structures** in the ovarioles of the moth Laspeyresiapomonella sex chromatin in trophocytes. 039931
Genetic and evolutionary relationships between plastids and the *nuclear-cytoplasmic* **system.** 036542

NUCLEIC
Nucleic **acid** probes and analysis of hormone action in [chick] oviduct. 033778
Nucleic **acid** metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Nucleic **acid** hybridization to the DNA of cytological preparations [Includes Drosophila]. 039875
Temperature of acrylamide polymerization and electrophoretic mobilities of *nucleic* **acids** [Plants]. 036760
Effect of water deficiency on metabolism of phosphorus compounds and *nucleic* **acids** in two cotton varieties resistant to wilt [caused by drought]. 037426
Metabolism of protein and *nucleic* **acids** during adaptation to various types of drought [Wheat]. 037429
Content of *nucleic* **acids** and protein in wheat leaves infected with rust [Puccinia graminis]. 038798
Fruit abscission in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of **total** *nucleic* acids in ovaries of persisting and abscissing flowers. 037777

NUCLEOLUS
Restriction enzyme digests of the **heavy** *nucleolar* satellite deoxyribonucleic acid of Physarum polycephalum [Fungi]. 037313
The *nucleolar* **morphology** in anther tissues of the onion Allium fistulosum L. 036372

NUCLEOSIDE
Nucleoside **diphosphate** kinase of beef erythrocytes. Purification of the phosphorylated form. 033819

NUCLEOTIDASES
Studies on the alkaline phosphatase and *5'-nucleotidase* of **Dictyostelium** discoidleum [Cellular slime mold]. 036789

NUCLEOTIDES
Adenine *nucleotide* changes at initiation of bull sperm motility. 034665
Energy-dependent release of **adenine** *nucleotides* tightly bound to chloroplast coupling factor CF [Spinach]. 037695
Action of gamma-radiation on the *nucleotide* **composition** of tRNA of cotton. 037550
Oppositional effects of acetylcholine and isoproterenol on isometric tension and **cyclic** *nucleotide* concentrations in rabbit atria. 034050
Phosphodiesterases from porcine coronary arteries: inhibition of separated forms by xanthines, papaverine, and **cyclic** *nucleotides.* 034106
Cyclic *nucleotide* phosphodiesterase activity in Cicer arietinum. 036905
Cyclic *nucleotide* phosphodiesterase in silkworm [Bombyx mori] characterization of cyclic GMP [guanosine monophosphate] phosphodiesterase. 040213
Postmortem glycolytic and *nucleotide* **degradative** changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of thawed meat, and upon cooking. 032773
Nucleotide-metabolizing **enzymes** in Chlamydomonas [reinhardi] flagella [Algae]. 037020
Free *nucleotides* in the primary root of maize. 037368
Adenyl and **pyridine** *nucleotides* of the forms of Verticillium dahliae Kleb. differing in the pathogenecity. 038605
Changes in the **pyrimidine** *nucleotide* DNA isopliths of the haemopoietic system of gamma-irradiated animals [Rabbits]. 034167
Utilizaton of adenosine for *nucleotide* **synthesis** in the erythrocytes of some animals [Dogs, rats, guinea pigs, hens]. 034034

NUCLEUS
Content of phoshorus of *nuclei* **acids** and the intensity of respiration in leaves and roots of wheat as affected by water deficit. 037569
Fluorochrome staining of yeast [Saccharomyces cerevisiae] *nuclei* with **acridine-yperite.** 037118
Toward a comparative study of the hormonal regulation of transcription in the *nuclei* of **animal** [rats] and plant [pea leaves] tissues. 034195
Dissociative effects of selective lesions in the **caudate** *nucleus* of cats and rats. 033706
Procedure to isolate **cell** *nuclei* from the callus of tobacco. 036357
Ribosomal RNA genes in the *nucleus* and **chloroplast** of Euglena [gracilis, algae]. 036278
Comparative capacity of amino acid incorporation by **isolated** *nuclei* and chloroplast preparations [Chlorella, Algae]. 037269
Dissociation of the DNA replicase system of bovine **lymphocyte** *nuclei.* 033793
Determination of genetic sex by sexual chromatine in *nuclei* of **neutrophyl** leucocytes of the peripheral blood in vertebrates. 034807
Isolation and experimental manipulation of **polytene** *nuclei* in Drosophila. 039942

Abnormal shapes of drake **spermatozoa** *nucleus.* 034851
Electrophysiological study of connections between some **subcortical** *nuclei* and the cerebral cortex [Cats]. 033900
The effect of lesions of the dorsomedial **thalamic** *nucleus* on alimentary conditioned reflexes and food intake in dogs. 033723
The ultrastructure of **trophocyte** *nuclei* in the polytrophic ovarioles of Chrysopa (Neuroptera). 039945
Neuronal activity in the lateral **vestibular** *nucleus* of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. 034132
Neuronal activity in the lateral **vestibular** *nucleus* of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133
The isolation of **yeast** *nuclei* and methods to study their properties [Saccharomyces carlsbergensis, Kluyveromyces fragilis]. 037111

NUDAURELIA

The external genitalia of a gynandromorph of *Nudaurelia* **cytherea** cytherea (Fabr.) (Lepidoptera: Saturniidae). 039843

NULLIPAROUS

Lysine requirement of *nulliparous* **gilts.** 034294

NUPHAR

Hemiaminal derivatives of neothiobinupharidine *[Nuphar* **luteum].** 037063

NURSERIES

On the variability of the growth characters of woody plants in the *nursery* **[Apple** trees]. 037643
Import of *nursery* **articles** [Common Market]. 031618
Controlling common Bermudagrass [Cynodon dactylon] in nonproduction areas [around *nursery* **beds].** 039173
Controlling common Burmudagrass [Cynodon dactylon, around *nursery* **beds]** with hand-applied applications of [the herbicide] Roundup. 039174
Effects of soil physical properties, irrigation, and fertilization on Pinus radiata seedling development in the **Benalla** *nursery.* 035648
Studies on mulching in **coconut** *nursery.* 040908
Field deveopment of **culled** *nursery* stock of Pinus radiata. 035649
Rhythm of nutrient mineral uptake by the poplar [Populus x **euramericana]** in an *nursery.* 037904
Supply of young trees to the public **[Forest** *nurseries].* 035629
Several tests of mycorrhizal inoculations **[Forest** *nurseries,* propagation]. 035645
The economic value of the *nursery* **industry.** 031294
Directory of **Iowa** *nurseries* that deal in forest tree stock. 035680
Irrigation control for Pinus radiata in the **Koetong** *Nursery.* 041246
Watering of **oilpalm** *nurseries* in polybags by sprinkler. 041364
Stock-scion relationship in some compatible and incompatible unions of *nursery* **pear** plants. 038293
Nursery **Research** Field Day [Culture of ornamental plants]. 038456
Douglas fir [Pseudotsuga menziesii] IUFRO [International Union of Forestry Research Organizations] provenances in the Netherlands 1968-69 series. *Nursery* **results.** 035677
Nutritional status of Head Start and *nursery* **school** children. I. Food intake and anthropometric measurements. 032356
Problems of the chemical control of damping-off of seedlings in *nurseries* of the **State** Forests. 038815
Root regeneration of fall-lifted white spruce [Picea glauca] *nursery* **stock** in relation to soil moisture content. 035642
Nursery **techniques** in the savanna region of Nigeria [Forestry]. 035683
Weed control in a fruit **tree** *nursery* with herbicide-impregnated string. 039130
Specificity of growth of mutant forms of apple **trees** in *nurseries.* 037853

NURSING

Development and physiology of the *oocyte-nurse* **cell** syncytium [Insects]. 039609
Number of sucklings and grazing time of calves in *nursing* **cow** herds. 034295
Estimation of milk production in *nursing* **cows** during early lactation. 033749
Hospital/nursing **home** casebook number 33030. 032705

NUTRIENTS

Digestibility of *nutrients* from **alfalfa** hay, corn and oats by ponies. 034467
Studies on the efficacy of *micro-nutrient* **application** for sugarcane in the Cuddalore tract. 040985
Vegetative and reproduction habits of castorbean (Ricinus communis) as affected by the *nutrient* **area** [Spacing]. 038556
Influence of fertilisation level on *nutrient* **balance** of two forage plants grown on a sandy soil of the lower Ivory Coast. 040960
Nutrient **budgets** in the Hudson River estuary [Sewage treatment, water pollution]. 041472
Effect of **certain** *micronutrients* on [disease] resistance of the newborn calf. 034235
The effect of *micronutrients* on **certain** volatile components of grapes and wine. 041120
Heterogeneity of chlorophyll and activity of Hill's reaction in the presence of aftereffects of **cobalt** *micronutrient* fertilizers [Barley chloroplasts]. 037416
Studies on the Misaki horse. III. *Nutrient* **composition** of main herbs and scrubs, and estimates of their nutrient intake. 034349
The effects of potassium supply on growth and *nutrient* **composition** of teak (Tectona grandis L.f.) seedlings. 040973
Nutrient **concentrations** and interactions in young leaves of potato plants growing with and without tubers. 037631
Nutrient **content** of wheat and rice: present knowledge, future problems, and needed research. 032199
Studies on the *nutrient* **content** of the liver, pectoral muscle, total body and eggs of hens as influenced by graded supplies of vitamin B6. 034316
Nutrient **content** and digestibility of permanent pasture [Beef cattle]. 034446
The relationship between site condition and circulation of nutrients in forest ecosystem. III. Above ground biomass and *nutrient* **contents** of stands. 036229
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the **crude** *nutrient* content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Nutrient **cycle** inside farms with large grassland [Fertilizers]. 041115
Relative value of *nutrients* in **dairy** cattle forages. 034325
The symptoms of *micronutrient* **deficiency** in peach and their control. 039053
Current concepts in the *nutrient* **design** of foods [Regulatory policies and procedures]. 032036
Comparative wet-digestion and dry-ashing of orange and Schefflera [actinophylla] leaves for *nutrient* **determinations.** 037730
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of digestible crude protein to total **digestible** *nutrients* of feedstuffs. 034426
Changes in the *nutrient* and **energy** content in defined parts of the veal calf. 032512
Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of Dolomite and 3 levels of *micronutrient* **fertilizer** in two container sizes. 041070
Peculiarities of the absorption of *nutrients* from **fertilizers** by Chernozem and Gray Podzolic soils of the forest-steppe of the Ukrainian SSR. 040871
Cultivation and fertilizer effects on the growth and **foliage** *nutrient* concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Influence of **foliar** *nutrient* sprays on the population of Fusarium oxysporum f. melonis and other soil microflora in the rhizosphere of muskmelon. 038693
The relationship between site condition and circulation of *nutrients* in **forest** ecosystem. III. Above ground biomass and nutrient contents of stands. 036229
Digestibility and the use of *nutrients* of **green** feeds by lactating cows. 034520
Human *nutrient* requirements—an update. 032285
The effect of physical activity, *nutrient* **intake,** and growth on body composition of myelomeningocele patients as measured by the whole body counter, creatinine, and anthropometric determinations. 032318
Studies on the Misaki horse. III. Nutrient composition of main herbs and scrubs, and estimates of their *nutrient* **intake.** 034349
Food habits and *nutrient* **intakes** of Filipino women in Los Angeles. 032353
Balancing the costs and benefits of *nutrient* **labeling.** 032017
Losses of *nutrient* by **leaching** in agricultural plant production, 1971-1974. 041208
Amount of *micronutrients* in **[leguminous]** forage crops grown in the Khar'kov area. 037603
Transport **limited** *nutrient* uptake rates in Ditylum brightwellii [Algae]. 037092
Nutrients **lost** in debris and runoff water from a burned chaparral watershed. 041377
Effect of iron, manganese, zinc and other *nutrients* on **maize** plants in pot experiments with calcareous Chernozem. 037532
Environmental and economic impact of *nutrient* **management** on the New York dairy farm [Agricultural pollution]. 041658
Nutrient **media** and the isolation of microflora in cases of swine dysentery. 035226
Nutrient **media** for the lipase synthesis by Aspergillus awamori [Fungi]. 037226
Zinc consumption from the *nutrient* **medium** by the cultures of Trichosporon capitatum and Aspergillus niger [Fungi]. 037237
Optimization of the *nutrient* **medium** for the biosynthesis of phytotoxic metabolites of Myrothecium verrucaria VKMF-183 [Soil fungi]. 040754
Rhythm of *nutrient* **mineral** uptake by the poplar [Populus x euramericana] in an nursery. 037904
Green Revolution and **mineral** *nutrient* removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Mineral *nutrient* pool and cycling in a Missouri [Quercus alba, carya] forest [Soils]. 040669
Molybdenum in the soils of Andizhan oblast and prospects for using **molybdenum** *micronutrients* [Irrigation]. 041096
Annotated bibliography on substrates and *nutrients* for **orchid** culture including references to seed germination, 1969-1974. 038448
Organic manures for meeting the **plant** *nutrient* shortage. 040946
Studies on the availability to plants of soil nitrogen in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, **potassium]** and *micronutrients.* 041110
Economics of **producing** *nutrients* from cellulose. 032670
On the *nutrient* **ratio** of fertilizers and earths for ornamental plants. 040937
Nutrient **reactions** [Eutrophication]. 041558
Results on feed consumption and *nutrient* **requirement** in intensive bull fattening as obtained in fattening test stations. 034324
Nutrient **requirements** as affected by drug therapy. 032300
Nutrient **requirements** for germination of seeds & development of protocorms & seedlings of Cymbidium in aseptic cultures. 036994
The balance of *nutrients* [in **soils]** under cereals in the Rostov province. 040562
Nutrient **status** of apple blossoms and their susceptibility to fire blight [Erwinia amylovora]. 038850
Control of *nutrient* **supply** in yeast propagation [Food technology]. 032729
Micronutrients on **timothy** [Phleum] plantings. 041006
Effect of site on *nutrient* **uptake** and utilization in sunflower. 037492

NUTRITION

Interchangeability of foods in their *nutritional* and **alimentary** aspects and the necessity of new consumption directions. 032173
Control of *nutritional* **anaemia** with special reference to iron deficiency. 032504
"Dietan"—a computer-assisted program on **anatomy** and *nutrition.* 032347
Catabolism of fatty acids by chicken liver homogenates incubated with margaric, stearic and linoleic acids **[Animal** *nutrition].* 034423
The beginning of science in **animal** *nutrition* by Justus von Liebig and Wilhem Henneberg. 034530
The 150th birthday of Wilhelm Henneberg, September 10, 1975 **[Animal** *nutrition].* 034531
An **applied** *nutrition* program among Philippine pre-school children. 032261
Research in **applied** *nutrition:* present needs and prospects for the future. 032307
ARA's *nutrition* rainbow leads school lunch to gold. 032544
Biological value and *nutritional* **aspects** of animal and plant proteins [Human nutrition]. 032172
Nutritional **aspects** of bone loss, part 1 of 2 parts. 032227
The role of *nutrition* in **atherosclerosis.** 032255
Improving the *nutrition* **awareness** of low-income groups. 032289
Modular communications system (MCS): an outpatient **bilingual** *nutrition* education program for a neighborhood health clinic. 032297
Nutritional **bioassay** of wheat grain for a wheat breeding program. 032303
The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep *[Nutritional* **biochemistry].** 034347
Semen quality in relation to the *nutrition* of **bulls**—a review. 034381
The **business** of *nutrition.* 032530
Tissue cultures of maize, wheat, rice & sorghum. II. Growth & *nutrition* of **callus** cultures. 037455
Renewed interest concerning the need for lime, phosphorus, and some trace elements in **cattle** *[nutrition].* 034328
The influence of *nutrition* on the **chemical** properties of some tropical plantation crop products [Hevea, oilpalm, cocoa, fertilization]. 040974
Child *nutrition* in a changing world. 032202
Is the menu all right for your **child?** *[Nutrition].* 032382
Child *nutrition:* a long way to go. 032562
Teens teach **children** *nutrition.* 032602
Are **community** *nutrition* programs meeting the needs of the elderly? 032371
Are **community** *nutrition* programs meeting the needs of the elderly? 032684
Nutritional **composition** of Latin American feeds. 033525
The science of *nutrition,* a **comprehensive** definition. 032477
Nutritionally **conditioned** virulence of Pythium butleri and susceptibility of tomato in causing damping-off. 038842
Frost resistance, winter hardiness and yield of winter wheat relative to its moisture and *nutrition* **conditions.** 037604
Nutritive **content** of college meals. II. Lipids. 032357
Structural organization and the pigment fund of the plastid apparatus of the unit of the leaf surface area and the productivity of flax under different conditions of zinc and **copper** *nutrition.* 037576
A personalized university **course** in *nutrition.* 032598
Problems of dairy **cow** *nutrition* in winter period. 034513
Cell-mediated immunity *[Nutritional* **deficiencies].** 032264
Nutritional **deficiencies** of yams (Dioscorea spp.) and related effects on yield and leaf composition. 039014
Nutrition, **diet,** and cancer. 032211
Nutrition and **disease** [Cats]. 034367
Functional and fine structural relationships of parathyroid glands *[Nutritional* **diseases,** cows, dogs, rabbits]. 033726
Digestibility of ground by-products (forestomach) of slaughter cattle used in **dog** *nutrition.* 034428

Dysenteries induced by *nutrition* in **dogs.** 035354
On the prevention of *nutritional* **dystrophy** in heifers in the Presov District. 035383
Management and *nutrition* of **early** weaned pigs. 1. Effect ofage at weaning upon incidence of scours, performance and survival. 033661
Management and *nutrition* of **early** weaned pigs. 2. Effect ofvarying levels of fiber in the diet upon incidence of scours, performance and survival. 034473
Management and *nutrition* of **early** weaned pigs. 3. A comparison between machine-fed and hand-fed pigs. 034474
Are we what we **eat?** *Nutrition* and health. 032507
A new Illinois soybean beverage: tasty, smooth, *nutritious,* and **economical.** 033240
Impact of a *nutrition* **education** program on Appalachian families in poverty. 032287
Television PSAs [public service announcements] for *nutrition* **education.** 032315
Homemakers' food and nutrition knowledge - implications for *nutrition* **education.** 032402
A model for a regional centre of *nutrition* **education.** 032681
Processing and *nutritional* **evaluation** of calcium caseinate [Protein supplement]. 032370
Studies on Tempeh [fermented soybean food]. I. Processing and *nutritional* **evaluation** of Tempeh from a mixture of soybean and groundnut. 033270
Biochemical and *nutritional* **evaluation** of various treatments of cereals [Feeds]. 033545
The role of microscopy in *nutritional* **evaluation** of cereals. 033566
Some preliminary findings from the first Health and *Nutrition* **Examination** survey, U.s.a., 1971-1972. 032308
Practices and problems in HANES [Health and *Nutrition* **Examination** Survey]. 032358
Expressed *nutrition* information needs of low-income homemakers. 032685
Nutritional **factors** in alcoholism. 032232
Calcium requirements for chicks as affected by some *nutrition* **factors.** III. Effect of feeding different levels of calcium and phosphorus with the same ratio on growth of Dokki-4 chicks. 034257
Calcium requirements for chicks as affected by some *nutritional* **factors.** IV. Effect of feeding different levels of vitamin D3 on growth of Dokki-4 chicks. 034258
Liquid swine manure and sewage sludge need careful supplementation [to **fill** *nutritional* requirements of field crops]. 040947
The influence of international financial problems on **food** and *nutrition.* 031847
Observations on the oral administration and toxicity of vinyl chloride in rats *[Nutrition* and **food** research]. 032012
Forecast of scientific developments in **food** and *nutrition.* 032283
The world food problem: a "course" of action for the future [on *nutrition* and **food** technology]. 032376
Nutrition, **food** needs and technologic priorities: the WorldFood Conference. 032548
Contributions of microorganisms to **foods** and *nutrition.* 032401
Forage *nutritive* value and palatability of 12 common annual weeds. 034355
Anthurium andreanum Lindl. In hydroponic culture: influenceof substrates and of *nutrition* on **formation** of calcium oxalate. 036767
Cost in relation to benefits for Mothercraft Centers in **Haiti,** 1964-1974 *[Nutrition].* 032266
Notes on the history of *nutrition:* **Harold** Hanson Mitchell (1886-1966)—in retrospect [Nutritionists]. 032354
Systems analysis in *nutrition* and **health** planning: approximate model relating birth weight and age to risk of malnutrition. 032314
Nutrition, mother's health and fertility: the effects of childbearing on **health** and *nutrition.* 032440
Relationship between *nutrition* and **heredity** in swine and beef cattle. 034447
Ultrastructural peculiarities of cells and plastids during change from tissue culture **heterotrophic** *nutrition* to autotrophic one. 036288
Some snack food of **high** *nutritional* value and low cost. 032309
Ice cream is a low-fat, **highly** *nutritious* food. 032175
The second half of your life (planning for retirement) *[Nutrition,* **home** management]. 032525
Effect of **host's** *nutrition* [Rabbits] on immune response to amoebic antigen & on susceptibility to infection with Entamoeba histolytica. 035075
Biological value and nutritional aspects of animal and plant proteins **[Human** *nutrition].* 032172
Agriculture and hunger in the world **[Human** *nutrition].* 032174
Dietary fiber in **human** *nutrition.* 032209
The importance of some mineral substances in meat **[Human** *nutrition].* 032225
Bread and other cereal products in modern **human** *nutrition.* 032246
Measuring the effects of *nutrition* on **human** development and behaviour. 032252
The Macaca nemestrina as a primate model in **human** *nutrition.* 032322
Lactobacilli in **human** *nutrition* [Milk]. 032393
Whither **[human]** *nutrition?* 032400
The epidemiology of breast feeding *[Nutrition,* **immunity].** 032474
Application of Carbowax 20M as an open-tubular liquid phase in analyses of *nutritionally* **important** fats and oils. 032368
Some methods to **improve** *nutrition* in the developing countries. 032253
Incorporation of sunflower seed meal in bread [to **improve** *nutritional* quality]. 032369
Effect of **improved** *nutrition* during pregnancy and lactation on developmental retardation and infant mortality. 032273
Tetrahedron-packed milk for infants—a method for optimum **infant** *nutrition* [Bacteria, quality]. 032121
A simple assessment of the risk of low birth weight to select women for *nutritional* **intervention.** 032257
Homemakers' food and *nutrition* **knowledge** - implications for nutrition education. 032402
Homemakers' food and *nutrition* **knowledge,** practices, and opinions. 032517
Emerging food patterns: coping with reality *[Nutritional* **labeling].** 032124
Better educate than **legislate** *nutrition* info. 032594
Planning activities in the area of *nutrition* **legislation.** 032470
Current research on **livestock** *nutrition* and feeds in Japan. 2. 034269
Evaluation of a **low-lactose** *nutritional* supplement in malnourished children. 032351
The importance of sugar in the *nutritional* **management** of the Dutch population. 032475
Mink **management** and *nutrition.* 033660
Effects of *nutritional* **management** systems on reproductive performance of dairy cross cows. 034444
Maternal *nutrition* in lactation. 032205
Integration of *nutrition* in **medical** education. 032600
Metabolism of amino acids in bean plants under the deficit of magnesium and calcium in the *nutritive* **medium.** 037852
Biliary lipids and cholesterol gallstone formation *[Nutrition* and **metabolic** diseases]. 032165
The [health] educational campaign (Beginning 1968 to the **middle** of 1970) *[Nutrition].* 032478
The interaction of plants in plant communities during root feeding [trees, grasses, **mineral** *nutrition].* 037003
The influence of **mineral** *nutrition* on the development of individual roots of sitka spruce [Picea sitchensis]. 037890
Evolution of **mineral** *nutrition* of Hevea in the Ivory Coast in function of vegetative cycle according to foliar diagnosis. 040957
Food and *nutrition* **minicourse.** 032604
Molybdenum *nutrition* of maize (Zea mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and phosphate applications. 040863
Neonatal behavior and *nutrition-related* **mortality** in domestic swine [Piglets]. 034005
Nutrition, **mother's** health and fertility: the effects of childbearing on health and nutrition. 032440
Significance of genetic factors in the study of etiological factors of *nutritional* **muscular** dystrophy. 035386
The priority of *nutrition* in a **nation's** development. 032254
Studies on the **nitrate** *nutrition* of two indigenous Rhodesian grasses [Hyparrhenia filipendula, Sporobolus pyramidalis]. 037472
The dynamics of carotene formation in plants as related to the level of **nitrogen** *nutrition* and irrigation [of pasture grasses]. 037342
Growth and development of soybean cv. TK5 as affected by tropical daylenghts, day/night temperatures and **nitrogen** *nutrition.* 037345
Effect of **nitrogen** *nutrition* on glycolate oxidase activity in [broad] bean and corn plants. 037580
Determination of levels of **nitrogen** *nutrition* for peaches at different growth periods by the method of foliar diagnosis. 037623
Effect of carbon and **nitrogen** *nutrition* on the growth and sporulation of Helminthosporium speciferum [Cotton]. 038650
Effect of soil applied pesticides on **nitrogen** *nutrition* and yield of sugarcane. 039552
Nitrogen *nutrition* for fruit trees. II. Sour cherry (Prunus cerasus). 041108
A challenge to make science education interesting and relevant: a case study in food science and *nutrition* for **nonmajors.** 032374
Effect of **non-root** *nutrition* supplements on yield and quality of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine [Soilless culture]. 041124
Nutritional **nuances** of the term preschool child and the need for precise definition. 032441
Survey anthropometric measurements [Effects of *nutrition* **onhuman** populations]. 032313
Research concerning the effect of the educational campaign **"Health orders"** *[Nutrition].* 032472
Oral feeding versus total **parenteral** *nutrition* in low birthweight infants. 032427
Nutrition as **part** of the medical school curriculum. 032469
Early frost damage on Sitka spruce [Picea sitchensis] seedlings and the influence of **phosphorus** *nutrition.* 035472
Energy dissipation and photosynthesis in nitrogen and **phosphorus** *nutrition* [Sunflowers]. 037582
An investigation into the study of **phosphorus** *nutrition* of soybeans in pot tests using P32 [phosphorus isotope]. 040858
Nutritional and **physiological** effects of nitrates, nitrites, and nitrosamines. 032181
Nutritional **physiological** importance of drinks on whey basis for osmolarity. 032389
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and *nutritional* **physiology.** 1. The effects of conservation on quality, losses, and variation in nutritive value. 034331
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and *nutritional* **physiology.** 2. Roughage consumption, time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
Effects of the granular soil fumigant Basamid on germination, growth, weed control, and *nutrition* of **Pinus** radiata seedlings in the Benalla nursey. 040578
Considerations on the program of integrated rural development and the national food and *nutrition* **plan** [Colombia]. 031913
A model for the integration of health and *nutrition* **planning.** 032213
A closed continuous flow system for hydroponic culture in **plant** *nutrition* research. 038243
Mobilizing society to responsible action: the case of *nutrition* and the **poor.** 032296
Effect of the host plant [kidney bean] *nutrition* on the **population** of the two spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
Influence of the level of **potassium** *nutrition* on the physiological functions of tropical plants and the quality of their products [Bananas, pineapples, cotton]. 036978
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of **potassium** *nutrition* [Field beans, sunflowers]. 037434
Influence of special ecological conditions on growth, metabolism, and **potassium** *nutrition* of tropical crops (as exemplified by the case of rice). 037450
Foliar diagnosis and **potassium** *nutrition* in the cotton plant. 040902
Foliar diagnosis and **potassium** *nutrition* of cotton. 040959
The influence of **potassium** *nutrition* on the yield and chemical composition of some tropical root and tuber crops [Fertilizers]. 040975
Single cell protein **potential** *[Nutrition].* 032397
Where do we go from here in **poultry** *nutrition.* 034389
Predicting *nutrition* conditions for the soils of Bulgaria. 040750
Food processing and *nutrition* - **priorities** and needed outputs. 032671
Increasing the **protein** *nutritive* value of [feed] rations. 033558
Effect of **protein** *nutrition* on nitrogenous metabolism in swine. 034490
Inspection of mink **pups** *[Nutrition].* 034504
Development of a computerized system for processing data obtained from *nutrition* **questionnaires.** 032468
Utilization of 14C [carbon isotope]- labelled Escherichia coli by **rats** *[Nutrition].* 032191
Effect of anabolics on amino acid imbalance in short term experiments. IV. Effects of stanozolol on plasma proteins in **rats** *[Nutrition].* 032406
Nutritional **regime** of a grist-free extraction fed to high-performance cows—results of a one-year production experiment on 2000 cows. 034499
Nutrition and **regional** foods cookery. 032605
Will there be a complete revolution in the cultivation of tomatoes and cucumbers in regard to *nutritional* **requirements?** [Soilless culture]. 037715
Nutrition **research**—a corporate responsibility. 032238
Nutrition **research** and education in the age of Franklin [History]. 032355
Laboratory aimals in *nutritional* **research.** 032388
Nutrition **research:** foliar analysis of woody ornamentals. 040881
Nutritional **review** [Food consumption]. 032394
Nutritional **review.** 032395
Determination of the **riboflavin** *nutritional* status of a pediatric population. 032267
Erythrocyte glutathione reductase activity as an index of **riboflavin** *nutritional* status in pregnant women. 032278
Liberty Bell **rings** of good *nutrition.* 032554
Tissue cultures of maize, wheat, rice & sorghum. III. Growth & *nutrition* of **root** cultures of maize, wheat & sorghum in agitated liquid media. 037456
Influence of *nutrition* on **rooting** capacity of [glasshouse ornamental] cuttings. 037787
Annotated bibliography on **rose** *nutrition,* including supplementary CO2 [carbon dioxide], 1970-1975. 041061
Nutrition **science:** an overview of American genius. 032426
Sociology and *nutrition.* 032231
Nutritional **status** of Head Start and nursery school children. I. Food intake and anthropometric measurements. 032356
Nutritional **status** of Thoroughbred horses. 034475
Nutritional **status** of the grapevine (Vitis vinifera L., variety Lambrusco Salamino) expressed by means of foliar analysis of macro- and microelements. 040867
Nutritional **studies** with growing Friesian calves on certainfeeding levels under local conditions. 1. Feed utilization and metabolism trials during the 2nd six months of growth. 034266
Nutritional **studies** with the early weaned neonatal pig [Baby pigs]. 034414
Problems of breeding barley with a high lysine content in the light of genetic, biochemical and *nutritional* **studies.** 036616
Mist propagation of cassava tip cuttings for *nutritional* **studies:** effects of substrate calcium concentration, temperature and shading. 038509
Iron-loading: effect on the activity of liver ribosomes in protein synthesis in rats *[Nutrition* **study].** 032413
Nutritional **supplementation** and the outcome of pregnancy in Colombian women. 032304
Nutrition **surveillance** in the United States. 032302
Nutrition **survey** of Canada—a summary. 032301
Nutrition in **Sweden:** research and public education. 032366
Live action drama **teaches** *nutrition.* 032601

Lipid metabolism in the extreme north aboriginals residing in the Krasnoyarsk **territory** *[Nutrition].* 032493
Construction and validation of a *nutrition* **test.** 032599
Comparative studies on the cells of *nutritive* **tissue** of the young gall Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. 039231
Distribution of lipids and starch in *nutritive* **tissues** of five cynipid galls. 039232
[Nutritional] **trace** element review. 032332
Interactions between nitrogen and potassium in the *nutrition* of **tropical** oil plants. 036979
Nutrition **update,** 1975. 032380
Quality factors affecting the *nutritive* **value** of [kidney] bean seed protein [Methionine]. 032210
The *nutritive* **value** of egg. 032448
Nutritional **value** of starchy food with addition of soybeans [Rats]. 032453
Methods of the evaluation of the *nutritive* **value** of protein in rye grain. 032459
Lesser known oil seeds: a note on their *nutritive* **value** as determined by in vitro digestion [Concentrated protein feeds]. 033524
Nutritive **value** of oilseed cakes and meals. 033526
Soaking of complete fattening rations high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on *nutritional* **value** [Cattle]. 034275
Digestibility and *nutritional* **value** of some forages (white clover hay, ryegrass, carrot-roots and wheat bran) for ponies. 034282
Digestibility and *nutritive* **value** of barley for ponies. 034283
Comparison of the digestibility and *nutritive* **value** of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties [tested on ruminants]. 034284
Nutritive **value** [for ruminants] of green cut maize ensiled by a trench method. 034285
Presence of carotenes and chemical composition determined and considered in some forage plants of Umbria *[Nutritive* **value** of feeds]. 034286
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 1. The effects of conservation on quality, losses, and variation in *nutritive* **value.** 034331
An investigation into methods of evaluating roughage. 2. Investigations into methods of estimating the *nutritive* **value** of roughage. 034333
The *nutritional* **value** of conophor seed (Tetracarpidium conophorum Welw.) [Rats]. 034371
Nutritive **value** of dried sugarbeet pulp (Beta saccharifer) [Buffalo bulls]. 034391
Acidity and proteolysis as factors affecting the *nutritive* **value** of corn silage [Calves]. 034404
Nutritive **value** of swine feces for swine. 034476
Nutritional **value** of three varieties of alfalfa hay from two harvest systems. 034483
Analysis of feed economy at the Wildberg industrial swine fattening plant, in the Neuruppin district *[Nutritive* **value,** livestock managment]. 034496
Availability and *nutritional* **value** of feed [Fur animals]. 034501
The *nutritive* **value** of dried potato and maize pulps for swine. 034527
Variability in the chemical composition of grasses and its correlations with *nutritive* **value** index. 037459
How to raise the *nutritive* **value** of the fodder beet [Mineral fertilizers]. 041004
Evaluation of the feed *[nutritive]* **values** of root crops. 033555
ARA **vends** *nutritious* foods and beverages in 2 N.J. High schools. 032559
Functional and biochemical tests for the assessment of **vitamin** *nutritional* status. 032284
The acid-based ratio of minerals in *nutrition* and the **work** of Ragnar Berg concerning their influence on the protein requirements of man. 032473
The effect of dietary zinc, calcium and the previous **zinc** *nutrition* of the sow on growth of progeny. 034480
Field studies on the magnesium, copper and **zinc** *nutrition* of maize [Soil testing]. 040664

NUTRITIONISTS

Notes on the history of nutrition: Harold Hanson Mitchell (1886-1966)—in **retrospect** *[Nutritionists].* 032354

NUTS

Volatile components of pecan leaves and *nuts,* **Carya** illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. 037760
Card-Phenol (Cardanol) [manufactured from **cashew** *nut* shell liquid] & its utilisation. 033357
Carotenoids of **pecan** *nutmeats* [Carya illinoinensis, varieties]. 038359
Nut **quality** of selected pecan varieties grown in south Alabama. 033358
The feedingstuff potential of *cashewnut* **scrap** kernel meal [Rats, swine]. 034370

NYMPHALIDAE

Geographical patterns of evolution in neotropical Lepidoptera. Systematics and derivation of known and new **Heliconiini** *(Nymphalidae:* Nymphalinae). 040091
Life history of Precis hedonia zelima (Fabricius) **(Lepidoptera:** *Nymphalidae).* 039628
Melanitis leda bankia (Fabricius) (Lepidoptera: *Nymphalidae)* in **Sydney** and on Norfolk Island. 039984

NYMPHOIDES

Evidence for structural units in chloroplast thylakoids *[Nymphoides* **indica,** beans]. 036344

NYMPHS

A multivariate study of mandibular characters in fifth instar workers and *nymphs* of **Drepanotermes** perniger (Froggatt) (Isoptera: Termitinae). 039813
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. I. Larvae, *nymphs* and **native** adults. 040199

OAK

Seasonal growth increment of pine, spruce, *oak* and **birch** in mixed stands of the Svesskii Forest Enterprise. 035598
Study of biomass and caloric value of the soil nematode population in *hornbeam-oak* **[Carpinus,** Quercus] forest in Bab. 040569
The effect of Dendrobacillin on insect and arachnid fauna of *oak* **forests** of the trans-Carpathian region [Forest pests, biological control]. 039394
The **green** *oak* leafroller moth [Tortrix viridana] and its entomophages in Ivano-Frankovskii Region [Natural control]. 039395
The biomass of the root systems of the pine and *oak* in the **Kampinos** National Park [in the association Vaccinio myrtilli-Pinetum typicum]. 037909
Environmental regulation of the population size of the *oak* **leaf** roller moth (Tortrix viridana L.) in the Niepolomice Forest. 039384
Contrbutions to the technology of obtaining reproduction material in Antheraea **pernyi** *(oak* silkworm). 040287
Correcting the chlorosis of **pin** *oaks* [Quercus palustris, iron deficiency diseases]. 039056
Study of nitrogenase activity in the mycorrhizal rhizosphere of pine and *oak* **[Pinus,** Quercus]. 037889
Demonstration of virus-like particles in sweet chestnut [Castanea savits] and *oak* **[Quercus** cerris] with leaf deformations in Hungary. 038945
Dying out of *oak* **stands** in the steppe zone of the Ukraine at the end of the sixities and beginning of the seventies. 035492
The composition of the essential oil from *oak* **wood.** 035735
Technical properties and use of *oak* **wood** in Poland. 035872

OATS

Interrelationships of fodder yield and its components in *oats* **(Avena** sativa L.) [India]. 036498
Correlations between quantitative characters and enzyme genotypes in Avena **barbata** *[Oats].* 036486
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, Heterodera avenae Woll. *[Oats,* **barley,** wheat, rye]. 039068
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and growth in Avena *[oats]* **coleoptile** segments. 037612
Combining ability analysis of near-homozygous lines derived from a 12-parent diallel **cross** in *oats.* 036425
Comparison of different hill-plot designs for evaluating quantitative response to *oat* **crown** rust [Puccinia coronata]. 038595
Utilization of explants for evaluating susceptibility of *oat* **cultivars** to Septoria avenae f. sp. avenae. 038777
Barley, *oats,* and **field** beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
Comparative performance of certain varieties of **forage** *oats.* 038030
Chromosome relationships in interspecific Avena hybrids, with special reference to hybrids with Avena **longiglumis** *[Oats].* 036576
Overseeding rhodesgrass [Chloris gayana] with *oats* on **peat** soil. 038020
Absorption of strontium-90, potassium and calcium by *oat* **plants** from soil during ontogenesis. 037420
Digestibility of nutrients from alfalfa hay, corn and *oats* by **ponies.** 034467
Chemistry of *oats:* **protein** foods and other industrial products. 033215
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, *oats,* **radioactive** contamination]. 040877
Activity of copper-proteid oxidases as an indicator of copper supply in plants *[Oats,* **rape].** 037497
North Dakota barley, corn, *oats,* **rye** historic estimates, 1955-1970 [Statistics]. 031744
Pathogenicity of Cercosporella herpotrichoides to wheat, barley, *oats* and **rye** [Eyespot disease]. 038821
Influence of chlorocholine chloride (CCC) on the growth, development and productivity of *oats* in the **second** seed generation; report. 037503
Oats and **Senji** form the best forage mixture. 033569
Protein composition in developing groats of an Avena sativaL. cultivar and an Avena sativa X Avena **sterilis** L. selection *[Oats].* 036438
Auxin-induced hydrogen ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and water **stress** *[Oats].* 037528
Attempts to detect cyclic adenosine 3':5'-monophosphate in higher plants by three assay methods *[Oats,* **tobacco,** potatoes, lettuce]. 037519
Oat **varieties** for 1976. 037942
Lime and phosphorus on low areas [Barley, *oats,* **wheat].** 041106
Wild *oats* [Avena fatua]: losses caused and advantages of controlling it before its emergence [Cereals]. 039095
Alarming **wild** *oats* infestation of wheat in Punjab. 039163
Control of **wild** *oats* [Avena fatua]. 039197

OBESITY

Emotional aspects of *obesity* in **children.** 032442
Behavioral therapy relating to *obesity* **[Eating** habits]. 032467
Free cortisol in *obesity;* **effect** of fasting [High and low protein diets]. 032162
Metabolic abnormalities in *obesity:* **effect** of exercise. 032294
Taste **factors** and *obesity.* 032243
Losses of caged laying **hens** from *obesity.* 035380
Obesity and the **question** of cholesterol reduction in infancy and childhood. 032443
Sensitivity to physiological hunger cues: are the *obese* **really** different? 032416
The induction of *obesity* in **rodents** by means of monosodium glutamate. 032190

OBSTRUCTION

The effect of **lobar** *obstruction* on regional perfusion in the intact dog. 033852

OCCIPITAL

The biological significance of PGO *[ponto-geniculo-occipital]* **spikes** in the sleeping cat. 033712

OCCLUSION

Optical isomers of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary **artery** *occlusion,* impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116

OCCUPATIONS

A *career* for you in **agricultural** and extension education. 031125
Rabbit rearing in Hungary: **vocational** *occupation* with export possibilities. 033657

OCHNACEAE

A contribution to the floral anatomy and **embryology** of *Ochnaceae.* 036325

OCHRATOXIN

Fate of *ochratoxin* A in **brewing.** 032720

OCHROMONAS

Metabolism of 24-dihydrolanosterol in *Ochromonas* **malhamensis** and Chlorella ellipsoidea [Algae]. 037169

OCIMUM

Study of some factors influencing the formation of endosperm and endospermous haustoria with *Ocimum* **basilicum** L. 036359
Composition of *Ocimum* **gratissimum** (shrubby basil) seed mucilage. 037749
Essential oils of *Ocimum* **suave** wild. Of East Africa [Composition]. 033364

OCTANE

Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of *5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane* under **catalytic** hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the *6,8-dioxabicyclo[3.2.1]octane* **series** by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. 039392

OCTOSPORA

Four **new** *Octospora* species from India [Fungi]. 036079

ODONATA

On a collection of *Odonata* from **Manipur,** India. 040041

ODOR

Efficacy of certain chemical and biological compounds for control of *odor* from **anaerobic** liquid swine manure. 041603
On the biological indication of *odour* **[Animal** behavior]. 034187
A Proteus inconstans which produced **'cabbage** *odour'* in the spoilage of vacuum-packed sliced bacon. 032072
Odorous **compounds** in water supplies: identification of camphor and p-methylacetophenone. 041355
The *scent* **gland** in foraging bees [Apis mellifera]. 040279
Use of *scent* **guidance** in apiculture. 040281

OECOPHORIDAE

A review of the subfamilies of the *Oecophoridae* **(Lepidoptera)** of Europe. 040067

OFFAL *see* WASTE

OIL

Investigation of the *oils* of **Anethum** graveolens [Essential and fatty oils]. 032770
Which row spacing is preferred for **autumn** *oil* plants? 038170

Autumn *oil* yielding plants and parasites. 039062
Induction of sterility in male houseflies [Musca domesticus] by vapors of Acorus **calamus** L. *oil.* 039493
Role of geometrical structure of fatty-acid radicals in dehydrated **castor** *oil* in its reaction with styrene. 032859
Oil **characteristics** of sweet and sour cherry kernels. 033423
Influence of solvents on isomerization in the hydrogenation of **cottonseed** *oil.* 033211
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of solid phase in **cottonseed** *oil* hydrogenates. 033213
Recent studies on biological effects of **crude** *oils* and oil-dispersant mixtures to Red Sea macrofauna [Water pollution]. 041508
Gas-liquid-solid chromatography: its application to the study of the **essential** *oils.* 032789
Some investigations on two types of coolers to a 100 liter distillation apparatus for **essential** *oil* raw materials. 032904
Deep-frozen **essential** *oils* [Citrus]. 033363
Essential *oils* of Ocimum suave wild. Of East Africa [Composition]. 033364
Peroxide index of bergamot **essential** *oil.* 033367
The composition of the **essential** *oil* from oak wood. 035735
Essential *oil* of Schraderia dracocephaloides. 036877
Essential *oils.* XVII. Oil of Pogostemon formosanus Oliv. II. Isolation and chemistry of germacrone [from Geranium macrorrhizum]. 037027
Studies on the **essential** *oil* of Asarum caulescens. III. 037073
Biological effect of some alcohols isolated from **essential** *oils* [of Scenedesmus acutus, Algae]. 037252
Biochemical characteristics of sterile-cultured tissue and cells of some **essential** *oil* plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
The effect of some procedural aspects in the extraction of cassie [Acaia farnesiana] **essential** *oils* on their yield, contents and properties. 037691
The effect of tree age and time of day for collecting the flowers on the flower yield, content and composition of cassie (Acacia farnesiana) **essential** *oils.* 037692
A contribution to the biogenesis and biochemistry of the antimicrobial activity of the **essential** *oils* of onions (Alliumcepa L.). 037823
On the variability of **essential** *oil* quantity and quality in Mentha piperita L. 037828
Seasonal variations in the composition of Pinus halepensis and Pinus sylvestris twigs and needles **essential** *oil.* 037913
Effect of rock phosphate in cojunction with organic matter in increasing the **essential** *oil* contents of Mentha arvensis. 038547
Application of Carbowax 20M as an open-tubular liquid phase in analyses of nutritionally important **fats** and *oils.* 032368
3,4-Benzopyrene content of *oils* and **fatts.** 032886
Investigation of the oils of Anethum graveolens [Essential and **fatty** *oils].* 032770
Rigid polyurethane foams from diethanolamides of carboxylated [linseed and soybean] *oils* and **fatty** acids. 033258
Raphia palms: the production of piassava in Nigeria *[Oil,* **fiber,** exports]. 031703
Several methods of increasing the production of *oil* **flax** under conditions of the lowland Jijia-Bahlui. 038118
Structure of zerumbone oxide, a new sesquiterpene epoxy ketone from Zingiber zerumbet Smith (wild **ginger** *oil).* 037750
Rape problems at the IV International Congress in Giessen [as source of *oil* and **high-protein** feed]. 038096
The present validity of the pancreatic lipase method for **husk** *oil* protection [Olive oil cake, composition, adulteration]. 033455
Behavior of four bush redpepper varieties treated with **insecticidal** *oils* for retarding potato virus Y. 038935
Hydrogenation of **jojoba** *oil* [Simmondsia californica]. 032897
Sulfurization of **jojoba** *oil* [Simmondsia chinensis]. 032898
The **jujube** *oil* [Composition]. 033447
Differential scanning calorimetry of palm **kernel** *oil* products. 032856
Characteristics of pistachio **kernel** *oils* from Iranian cultivars. 033419
Lesser **known** *oil* seeds: a note on their nutritive value as determined by in vitro digestion [Concentrated protein feeds]. 033524
Diversify cropping pattern in rabi by sowing raya **[Leguminous** *oil* crop]. 038124
What are "Secondary products" of **maize** *oil* production? 033278
Yellow-seeded rape and turnip rape. II. Breeding for improved quality of *oil* and **meal** in yellow-seeded materials. 036701
Fats, *oils* and **meals** plentiful in 1976. 031580
Applications of **mineral** *oils* for deterring potato virus Y infections in redpepper crops. 038934
Recent studies on biological effects of crude oils and *oil-dispersant* **mixtures** to Red Sea macrofauna [Water pollution]. 041508
On the composition of **olive** *oil* from Israel. 033454
The present validity of the pancreatic lipase method for husk oil protection **[Olive** *oil* cake, composition, adulteration]. 033455
Malaysia's **palm** *oil* exports up. 031606
Effect of antioxidants on refined **palm** *oil.* 032857
Palm *oil* processing. V. Comparison of processes and discussion. 032888
Palm *oil* steam refining, techniques, operating responses and economics. 032889
About some treatments of **palm** *oil* for edible uses. 032909
Land preparation of Imperata savannah or grass pastures [which is to be planted in *oil* **palm** or coconut]. 038091
Release and fixation of potassium in some soils supporting the *oil* **palm** (Elaeis guineensis Jacq.) in Nigeria. 040646
Oil-producing **palms** of the world—a review [Palmae]. 036117
Acidic compounds in **patchouli** *oil* [from Pogostemon cablin]. 032894
A design III study of linkage disequilibrium for **percent** *oil* in maize [Genetic variance]. 036419
Application of luminescence methods for determination of aromatics in water [Algae, *oil,* **pesticides,** pollution]. 041564
Fatty acid composition of oleaster [Elaeagnus angustifolia]pulp and **pit** *oils.* 033422
Study of tocopherols and sterols of some **plant** *oils.* 032896
Canadian report on sowing *[oil* **plants]** in the USSR. 038162
Problem of succession in the cultivation of *oil* **plants.** 038166
Quackgrass [Agropyron repens] and its control in *oil* **plantsand** seed fields. 039181
Essential oils. XVII. *Oil* of **Pogostemon** formosanus Oliv. II. Isolation and chemistry of germacrone [from Geranium macrorrhizum]. 037027
Analysis of trace quantities of *oil* **[pollution]** in water by gas chromatography. 041563
Labile bound phenolcarboxylic acids and flavonoids in pericarp and placenta of *oil* **poppy** [Papaver]. 036933
Study of the composition of Elaeis guineensis Jacq. *Oil.* **Possibilities** for improvement. 032890
Genetic improvement of *oil* **quality** of rape (Brassica napus L.). 036639
Use of **rape** *oils* and lard in [leather] lubrication blends [Properties]. 032778
Analysis of **rape** *oil.* 033287
Intervals of *oil* **renewal** and filter cleaning when using rotamol MD 302 in the engine JaMZ 238 NB of the K-700 tractor. 040427
Microbial indicators of *oil-rich* **salt** marsh sediments. 041486
Continued decline of *oil* **seed** prices on the international market. 031733
Seed *oils* of Malcolmia turkestanica and Euclidium syriacum. 032772
Characteristics of pumpkin **seed** *oil.* 033420
Endogenous toxic factors in *oil* **seed** residues. 033520
Oil of the **seeds** of Dictamus angustifolius. 032771
Oil of the **seeds** of the cotton plant of variety AN-401. 033212
The use of fats and *oils* as a **source** of energy in mixed feeds [Chickens]. 034373
Soy *oil* faces stiff competition [Marketing]. 031731
Effects of *oil* **spill** on the shore vegetation [Pollution injuries]. 038961
Oil **spill** prevention by early detection of oil on water [Pollution]. 041580
Effect on lime treating, *oil* **spraying** and thermostabilization on the keeping quality of shell eggs [Chickens]. 033130
Spring *oil* plants and parasites. 039063
Effects of refining and bleaching on oxidative stability of **sunflowerseed** *oil.* 033255
Can common flax become one of **Sweden's** *oil* plant crops? [Culture]. 038161
Interactions between nitrogen and potassium in the nutrition of **tropical** *oil* plants. 036979
Oily **vaccines** [Newcastle disease, prevention, chickens]. 034973
On the degree of **vegetable** *oil* oxidation in production of canned goods. 032917
Comparison of oxalic acid and phosphoric acid as degumming agents for [rapeseed, soybean] **vegetables** *oils.* 033254
The constituents of the stream **volatile** *oil* form Chrysanthemum coronarium L. var. spartiosum Baileg. 037758
Oil spill prevention by early detection of *oil* on **water** [Pollution]. 041580
Rapid wet-ashing of biogenous fats, *oils,* **waxes** and foodstuffs of high lipid content using hydrogen peroxide under high temperature and pressure. 032820
Research from soil to *oil:* Doing **whatever** is needed. 031140

OILMEAL
Rhizosphere fungi and nematodes of eggplant as influenced by *oilcake* **amendments.** 038711
World *oilcake* and meal supplies. 031648

OILPALM
The influence of nutrition on the chemical properties of some tropical plantation crop products [Hevea, *oilpalm,* **cocoa,** fertilization]. 040974
Potassium uptake rates in tropical **crops** *[Oilpalms].* 036980
Some notes on *oilpalm* **cultivation** in Surinam. 038160
Presence in Indonesia and Malaysia of a **Lepidoptera** *oilpalm* root miner, Sufetula sunidesalis Walker, and its relationship to attacks by Ganoderma. 039238
Watering of *oilpalm* **nurseries** in polybags by sprinkler. 041364

OILSEED
Screening for fatty acids in *oilseed* **breeding** programmes using lipase and paper chromatography. 036564
Nutritive value of *oilseed* **cakes** and meals. 033526
The production, marketing and utilisation of *oilseed* **cakes** and meals in Turkey. 033530
The supply and utilisation of *oilseed* **cakes** in the Sudan. 033532
Canada's *oilseed* crops rebound in 1975 [Production]. 031603
Non protein and non-lipid components of *oilseeds:* **chemical** composition, properties, characterization. 033295
Status report on sunflower as an *oilseed* **[Culture].** 038090
1,1,2-trichloro-1,2,2-trifluoroethane for *oilseed* **extractions** [Full fat and defatted soybean flake]. 033260
Danish fishmeal exports off; *oilseed* **needs** may rise. 031604
Bulgaria stresses grains, *oilseeds* **[Production].** 031602

OKRA
Effect of washing, cooking and dehydration on the removal of some insecticides from *okra* (**Abelmoschus** esculentus Moench.). 032082
Effect of extracts and distillates of amended soil on the activity of Meloidogyne javanica *[Okra,* **tomatoes].** 039003

OLEANDER
Observations of the penetration of the phloem in leaves of **Nerium** *oleander* (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). 036349

OLEIC
Decanoic acid, a new precursor for the in vitro biosynthesis of *oleic* **acid** by a plant subcellular fraction [Cauliflowerhomogenate]. 037659

OLFACTORY
Mating behavior in halictine bees (Hymenoptera: Halictidae). III. Copulatory behavior and *olfactory* **communication.** 039815
Olfactory **sensilla** and systematics of Lamellicornia (Insecta, Coleoptera). 039949

OLIGOTROPHIC
Studies on the availability to plants of soil nitrogen in Malaysian **tropical** *oligotrophic* peat. I. Effect of liming andpH [hydrogen-ion concentration]. 041109
Studies on the availability to plants of soil nitrogen in malaysian **tropical** *oligotrophic* peat. II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. 041110

OLIVES
Dangerous reappearing of Calocoris trivialis Costa on *olive-trees* in **Apulia.** 039338
Studies on Egyptian **black** *olives.* I. Raw materials used in the pickling. 033318
Black *olives* by alkaline oxidation. III. A comparative study of iron determination methods. 033381
Ethylene-releasing compounds to **loosen** *olive* fruits for mechanical harvesting [Ethephon, 2-chloro-ethyl-tris-(2-methoxyethoxy)silane tested in Italy]. 038362
On the composition of *olive* **oil** from Israel. 033454
The present validity of the pancreatic lipase method for husk oil protection *[Olive* **oil** cake, composition, adulteration]. 033455
Plant protection in the *olive* **plantations** of Tunisia. 039082
The *olive* **tree,** an ancient plant with new problems [Culture]. 038235
Wilt of the *olive* **tree** caused by Verticillium dahliae Kleb. 038731

ONAGRACEAE
The evolution of subdioecy in morphologically gynodioecious species of Fuchsia sect. **Encliandra** *(Onagraceae).* 036488

ONCIDIUM
Studies in the **genus** *Oncidium.* I. [New taxa]. 035970

ONIONS
The nucleolar morphology in anther tissues of the *onion* **Allium** fistulosum L. 036372
A contribution to the biogenesis and biochemistry of the antimicrobial activity of the essential oils of *onions* **(Alliumcepa** L.). 037823
Count and species composition of microorganisms on stored vegetable seeds [Tomatoes, melons, celery, *onions,* **bacteria,** molds]. 038859
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosome mutations *[Onions,* **broadbeans].** 036667
Formation of bulbs in **bulb** *onion* as affected by the photoperiodic reaction of varieties. 037851
Sources of resistance to basal rot of *onion* **caused** by Fusarium oxysporum. 038662
Chromosomal variation in calluses induced in Vicia faba [broadbeans] and Allium **cepa** *[onions].* 036574
Prediction of the first harvesting date of **Creole** *onions* inthe Palo Verde Valley of California. 038280
Differences in the rate of mitotic transformation of chromosomes in the endosperm of some monocotyledonous plants [Irispumila, Lilium **davidii,** *onions].* 036364
Gas chromatographic analysis of neodecanoic acids in *onions* **[Desiccants,** residues]. 032067
Seed production from **Egyptian** *onion* sets. 038232
Long term effect of *onion* on **experimentally-induced** hypercholesteremia and consequently decreased fibrinolytic activity in rabbits. 035322
Invigoration of seeds? *[Onions,* **germination].** 037844

On some problems of *onion* **hybrid** seed production [Male-sterile lines]. 036534
Results of **one-stage** *onion* harvest [Storage]. 033377
Preliminary studies on the variability among Sclerotium cepivorum Berk. isolates in their toxin(s) production and **pathogenicity** [to *onions]*. 038560
Practical application of X-ray irradiation to improve keeping **quality** of *onions*. 033391
The effect of ethephon on *onion* **seedstalk** height and seed production characteristics. 037737
Ventilation studies on long-term normal **storage** of *onions*. 033380
Caryokinetic activity and dosage of DNA in root tips of Allium cepa L. *[Onions]* **treated** with B-995 [Mitosis]. 036389
Respiration of maleic hydrazide treated and **untreated** *onion* bulbs during storage [Sprouting and behaviour]. 037629
Effect of uncontrolled conditions on the preservation of sets of some *onion* **varieties** [Growth, bolting]. 037721
Agrotechnics for *onions* in **western** regions of the Ukraine. 038528

ONISCOIDEA

New species of the genus Protracheoniscus **(Isopoda,** *Oniscoidea).* 040176

ONISCUS

The water content of muscle and cuticle of the **woodlouse** *Oniscus* asellus in conditions of hydration and desiccation. 039682

ONTHOPHAGUS

New Scarabaeidae (Coleoptera) from Asia **[Aphodius,** *Onthophagus].* 039995

ONTOGENY

Adaptive immunity in hoofed **animals** in *ontogenesis*. 035201
Immunoglobulins on the surface of lymphocytes in *ontogeny* **[Baby** pigs]. 035063
The variations in the content of cyanogenic glucosides in *ontogenesis* of **bird'sfoot** trefoil (Lotus corniculatus L.). 037510
Structure, *ontogeny,* **classification** and organographic distribution of trichomes in some Cucurbitaceae. 036310
Total serum thyroxine concentration during *ontogenic* **development** of sheep. 033725
Interaction of the homeotic aristapedia and polycomb mutations in the *ontogenesis* of **Drosophila** melanogaster. 039929
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and water vapour efflux during **leaf** *ontogenesis* with the differences between the [tobacco] leaves according to their descending insertion level. 037367
Content of growth substances in wheat **leaves** in *ontogenesis*. 037568
Changes of protein fractions in the *ontogenesis* of four **lupin** species studied by immunological methods. I. Differences in the seed protein fractions of the studied lupin species and varieties. 037437
Changes of protein fractions in the *ontogenesis* of four **lupin** species studied by immunological methods. II. Changes of protein fractions during germination and development of etiolated plants and grown in light. 037438
Changes of protein fractions in the *ontogenesis* of four **lupin** species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and development of seedling. 037439
Formation of genital system in Tenebrio molitor at latent stages of *ontogenesis* determined by **means** of the juvenile hormone analogues. 039968
Proteins of poultry blood at different *ontogenetic* **periods** and in connection with the use of biologically active substances. 033991
Ontogeny of **phloem** transfer cells in Hieracium floribundum. 036293
Ontogeny of the **pig** hypothalamic neurosectory system with particular reference to the distribution of neurophysin. 033860
The action of thyroxine on the structure of the heart muscle cell mitochondria in **prenatal** *ontogenesis* [Chick embryos]. 034217
Carbon dioxide transfer and photochemical activities as factors of photosynthesis during *ontogenesis* of **primary** bean leaves. 037742
Changes in the activity of some oxidases in different organs of **rice** during its *ontogenesis*. 037422
Absorption of strontium-90, potassium and calcium by oat plants from **soil** during *ontogenesis*. 037420
Sorus *ontogeny* and sporogenesis in some smut fungi [Ustilago and Sorosporium on Gramineae]. 038577
Ontogenetic **specificity** of metabolism of ketonic bodies in ruminants (review). 034189
Simulations of the *ontogeny* of **Spongiophyton,** a Devonian [thallophyte] plant. 036273
Morphological and physiological characteristics of the apical meristem of the shoot of Quercus robur at various **stages** of *ontogeny*. 036331
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, *ontogenetic* **status,** and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153
Irrigation amount and number of single irrigation quantities in the **sugarbeet** during the *ontogenesis*. 041402
Functional activity of the photosynthetic apparatus in the *ontogenesis* of **sunflower** plants. 037573

OOCYTE

Development and physiology of the *oocyte-nurse* **cell** syncytium [Insects]. 039609
Lack of an effect of caffeine on repair systems in *oocytes* of **Drosophila** melanogaster following treatment of mature sperm with alkylating agents. 039879
Incorporation of tritiated uridine during pachytene and diplotene stages in the *oocytes* of the **Japanese** quail (Coturnix coturnix japonica). 033894
Gene amplification in *oocytes* of the **rove** beetle Creophilusmaxillosus (Staphylinidae, Coleoptera-Polyphaga). 039739

OPAQUE

Amino acid composition of *opaque-2* **[corn]** kernels from different backgrounds. 037332
Amino acid and protein evaluation of commercially **grown** *opaque-2* and normal corns. Two year summary. 033570
The compound eye in the *opaque-eye* **phenotype** of Drosophila melanogaster. 039938

OPERCULELLA

Chemical control of the potato tuber worm, **Gnorimoschema** *operculella* Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350

OPERCULUM

Operculate **Discomycetes** from Rana (Norway). 1. Chalazion sociabile gen. nov., sp. nov. [Fungi]. 036083
Monitoring pesticides by means of changes in electric potential caused by **fish** *opercular* rhythms. 039587

OPIINAE

Three **oriental** *Opiinae* (Hymenoptera, Braconidae) from the Townes Collection [New taxa]. 040162
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, *Opiinae)* **reared** on Agromyza frontella Rondani (Diptera, Agromyzidae). 040157

OPIUM

Free phenolcarboxylic acids in the pericarp and placenta of *opium* **poppy.** 037275

OPIUS

Opius **dureseaui** n. Sp. (Hymenoptera, Braconidae, Opiinae) reared on Agromyza frontella Rondani (Diptera, Agromyzidae). 040157

OPOGONA

Standover lifts "minor" insect numbers [Sugarcane pests, Aulacaspis madiunesis, *Opogona* **glcyphaga].** 039269

OPTICS

Double-headed protease inhibitors from black-eyed peas. II. Structural studies by *optical* **absorption** and circular dichroism. 037769
Synthesis of *optically* **active** forms of sulcatol. The aggregation pheromone in the scolytid beetle, Gnathotrichus sulcatus. 039934
Bilateral *optic* nerve hypoplasia in a pup [Dogs]. 035341
Optical **diffraction** from particles of Narcissus mosaic virus. 038920
The **first** *optic* ganglion of the bee [Apis mellifera]. I. Correlation between visual cell types and their terminals in the lamina and medula. 040216
Investigations on the soil phase of Phytophthora cactorum (Leb. et Cohn) Schroet. with **fluorescent** *optical* direct observation. 038841
Optical **isomers** of verapamil on canine heart. Prevention ofventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Physiological *optics* of the fused rhabdom [Apis mellifera]. 040237
Application of antitranspirants in fruit growing; **preliminary** *optic* and scanning microscopic reliefs. 037836
Optical **qualities** of the fly [Diptera] eye—an approach from the side of geometrical, physical and waveguide optics. 039791
Arthropod **receptor** *optics*. 039788
Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other *optical* **studies** on the structure of trypsin and chymotrypsin complexes. 037773
Optical qualities of the fly [Diptera] eye—an approach from the side of geometrical, physical and **waveguide** *optics*. 039791

OPTIMIZATION

Optimizing the **capacity** of a round-wood storage facility. 035799
The *optimization* of **conditions** for determining iodine [content] by a kinetic rhodanine-nitrite method [in biological materials]. 036735
Selection of *optimal* **life** histories in plants. 036967
Post-vaccination immunity to foot-and-mouth disease in the calf. Determination of the *optimal* **moment** for the first vaccination. 035022
The *optimal* **nitrogen,** phosphorus and potassium fertilization of grasslands. 041082
The extraction of sugar and **non-sugars**—*optimization* of the parameters: draft and sugar loss. 033308
Optimization of the **nutrient** medium for the biosynthesis of phytotoxic metabolites of Myrothecium verrucaria VKMF-183 [Soil fungi]. 040754
The implications of genetic, physiological and environmental control of chloroplast ultrastructure to the *optimization* of **photosynthetic** activity. 036974
Use of stochastic optimization for *optimal* **planning** of agricultural production. 031324
Optimal **production** time for egg laying chickens—how long to retain the hens? 033642
Use of **stochastic** *optimization* for optimal planning of agricultural production. 031324
Optimising **water** usage a challenge to industry. 041245
Young bull production economics and *optimal* **weight** decrease under different conditions [Costs]. 031515

OPTIMUM

Calculating *optimum* parameters for wind erosion control of forest shelterbelts in the dry steppe area. 035485
Fermentative production of citric acid by Aspergillus niger[yeast]: strain selection and *optimum* **cltural** conditions for improved citric acid production. 032867
Optimum **combination** of age at 1st calving and 1st lactation production of Hariana cows. 033634
Optimum **conditions** for determining individual minor constituents in cane sugar by gas-liquid chromatography [Analysis]. 033178
High level productivity of soils and *optimum* **crop** production corresponding to appropriate choice of cultivation technique. 041194
On the *optimum* **density** of leached Chernozem-Smolnitza for maize and wheat. 040749
Establishing *optimum* conditions for deep cultivation of some Aspergillus oryzae [Fungi] mutants producers of amylase. 036919
On the problem of *optimum* **forest** area of the southern macroslope of the Crimean mountains. 035597
Tetrahedron-packed milk for infants—a method for *optimum* **infant** nutrition [Bacteria, quality]. 032121
Dietary vitamin E and selenium requirements for *optimum* **metabolic** function at the subcellular level. 032269
Application of linear programming in the determination of an *optimum* **organization** of the cattle branch under varying conditions. 031245
Optimum **parameters** of agricultural autumn works in cereal growing. 038114
Optimum **plant** size and location: a case for separable programming [Cost anaysis, spatial markets in agricultural economics]. 031415
On the *optimum* **planting** date of white lupine (Lupinus albusL.) grown for green matter in the Middle Rhodope Upland. 038136
A program for studying the *optimum* **plot** size in field experiments on the computer [Field crops, statistical analysis]. 037952
The *optimum* **repartition** of fodder crops on plots of land depending of the productive potential. 038147
The *optimum* **territorial** distribution of plant production on district level. 031124
Germination studies and *optimum* **testing** method for Pittosporum tobira (Japanese pittosporum) seed. 037795
The *optimum* **timing** and ways of fall plowing for subsequent sowing of sunflowers. 038200
Selecting the *optimum* **variant** of [pine] stand density according to economic criterium. 035590

OPUNTIA

A new species of cholla (Cactaceae: *Opuntia* **[anteojoensis]** from Coahuila, Mexico. 036049

ORAL

Observations on the *oral* **administration** and toxicity of vinyl chloride in rats [Nutrition and food research]. 032012
Practical verfication of the possibility of snynchronization of the estrus of semi-fine wool sheep in the period of fertility by *oral* **administration** of superlutine. 034138
Effect of *oral* **contraceptives** and vitamin B6 deficiency on carbohydrate metabolism. 032176
The effect of *oral* **contraceptives** on plasma lipoproteins, cholesterol and tocopherol levels in young women. 032317
The role of dietary carbohydrates in plaque formation and *oral* **disease.** 032433
Oral **feeding** versus total parenteral nutrition in low birthweight infants. 032427
Prolonged *oral* administration of methyl mercury chloride to rainbow trout (Salmo gairdneri) fingerlings. 039345
Interrelationships between serum vitamins A and E and lipid fractions in women **receiving** *oral* contraceptives. 032290
Some toxic, physical and chemical properties of the *oral* **secretion** of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. 039496

ORANGES

Limonin content of the juice of Calabrian **blond** *oranges*. 033366
Composition and qualith of commercial orange juices. 1. **Bottled** *orange* juices sold in European countries not producing citrus fruit. 033362
Overwintering of **Hassaku** *oranges* on trees. 038398

A new hydrolysis procedure for preparation of *orange* **juice** for trace element analysis by atomic absorption spectrometry. 033410
Bitterness prevention in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in *orange* **juices**]. 033411
Mock-oranges in the **landscape** [Philadelphus, cultivars]. 038335
Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in Satsuma **mandarin** *oranges.* 037757
Profitable santra [**Mandarin** *oranges]* cultivation. 038296
Tree density affects large-root distribution of 'Washington' **navel** *orange* trees. 038366
Special theme on the proposals for promoting the production and marketing of **Satsuma** *oranges.* 031680
Critical temperature for frost damage at sprouting stage in **Satsuma** *orange.* 039046
Comparative wet-digestion and dry-ashing of *orange* and **Schefflera** [actinophylla] leaves for nutrient determinations. 037730
The extent of **Shamouti** *orange* contamination with green moldand its effect on fruit decay. 038632
Ageing characteristics of wood of healthy and sandhill-declined Citrus sinensis **[Sweet** *oranges].* 036290
Virus-free budwood sources. II. The **Valencia** *orange.* 038894

ORBIT
Applicability of **Skylab** *orbital* photography to coastal wetland mapping [Chesapeake Bay]. 031209

ORCHARDGRASS
Electron microscopy of some grasses and cereals infected with cocksfoot mottle, phleum motle and *cocksfoot* **milk** mosaic virus. 038919
Dates, methods and rates of **sowing** *orchardgrass* [Dactylis] for seed. 038056

ORCHARDS
The quiet revolution in the **apple** *orchard.* 038534
Influence of fertilization and soil management on the occurrence of diseases and pests in an **apple** *orchard.* i. Effect of green covered and clean cultivated soil. 039078
Insecticide treatment tests against the tarnished plant bug [Lygus lineolaris] of **apple** *orchards* in south-west Quebec. 039353
Knowledge of the tydeids (Acarina, Trombidiformes) from **apple** *orchards* [Lorryia palsetosa, new taxa]. 040167
Soil composition in young **apple** *orchards* of the spur type. 040791
Reset problem in *orchards* **[Culture].** 038436
Control of snow and field mice injuries to **fruit** *orchards* [Grapes, persimmons]. 039023
Apple black rot [Sphaeropsis malorum] in *orchards* under **intensive** cultivation. 038786
Pulsed sprinkling of **palmetto-type** *orchards* [Apple trees]. 041428
A high-density **peach** *orchard* [Planting, pruning, Canada]. 038357
High density "tree walls" [in apple and **peach** *orchards].* 038363
Chemical weed control in **peach** *orchard.* 039185
Organophosphorus resistance in a **peach** *orchard* population of predacious mites [Acarina, Phytoseiidae]. 039339
Mechanization for **peach** *orchard* management. 040491
Forest tree **seed** *orchards* in Sweden, 1975 [Pinus, Picea]. 035634
Seed *orchards* of forest wood species (review) [Seed production]. 035685
Development and crop bearing of larch (Larix decidua Mill.) strains in a clonal **seed** *orchard* in the Miedzylesie forest district. 035687
Laboratory and field evaluation of insecticides for control of periodical cicada [Magicicada **septendecim,** in *orchards].* 039362
Thinning technique for densely planted citrus **trees** in *orchard.* 038400

ORCHIDACEAE
A reinvestigation of the development of the embryo sac in Gastrodia elata **Blume** *(Orchidaceae).* 036269

ORCHIDS
Amateur, *orchids* and **botany.** 035930
Annotated bibliography on substrates and nutrients for *orchid* **culture** including references to seed germination, 1969-1974. 038448
Plant protection and pest control in *orchids* **culture.** 038984
Industrially organized production of **cut** *orchid* flowers with the example of Paphiopedilum. 038312
Improved *orchids* supply by large scale production with the application of modern cultivation methods. 038311
Future utilization of **Indonesian** *orchid* germ-plasms. 038276
The Stanhopeas of **Mexico** *[Orchids].* 036103
Ultrastructure of white-streaked dendrobium **phalaenopsis** *orchid* flowers infected with a rhabdovirus. 038925

ORCHIECTOMY
The use of hemostatic clips in feline **ovariohysterectomy** and *orchiectomy.* 034884

ORDINATION
Data transformations in **ecological** *ordination.* II. On the meaning of [vegetation] data standardization. 036220

ORGANIC
Taste substances in foods. V. *Organic* **acids** in vegetables [Asparagus, Aralia elata, Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409
The connection between photooxidative transformations of *organic* **acids** in chloroplasts and the photosystem II [Peas]. 037684
Thick Bh [humate] horizons in the North Carolina Coastal Plain. II. Physical and chemical properties and rates of *organic* **additions** from surface sources. 040780
Phospho-potassium fertilizers and *organic* **amendments.** 041080
Distribution of gonadotropic hormones labelled with 125I [iodine isotope] in **animal** *organs* and tissues. 034182
Induction of transport of *organic* **anions** in Malpighian tubules of Rhodnius. 039847
Use of laboratory animals in **artificial** *organ* research. 034103
Assimilatory *organs* of Scots pine (Pinus silvestris L.) seedlings of different provenience on comparative plantations in three regions of Poland. 037908
Blood and **bloodforming** *organs* [Cats, diseases]. 034888
Synthesis and biological activity of some cystine peptides from the active center of the basic trypsin inhibitor from **bovine** *organs* (Kunitz-Inhibitor). 033922
On the participation of the diaphragm nerve of swine in the innervation of **certain** *organs.* 033990
Induction of udpglucose dehydrogenase during development, *organ* **culture,** and exposure to phenobarbital. Its relation to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. 033801
Tissue cultures of maize, wheat, rice & sorghum. IV. Studies of *organ* **differentiation** in tissue cultures of maize, wheat & rice. 037457
Effect of synthetic growth substances on endogenous growth regulators during *organic* **dormancy** of grape. 037665
Emergence and *organ* **elongation** of seedling of paddy rice sown under upland field condition as affected by specific gravity and weight of seed. 037542
A comparison of three methods of **extracting** *organic* matter from soils and marine sediments. 040618
A comparison of the production of the ground flora and of the rate of *organic* **fall** in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza National Park. 036922
Activity of nitrate reductase in cabbage and tomato plant with introduction of algal mass as *organic* **fertilizer.** 037700
Demand and supply of *organic* **fertilizers** in Cottbus county. 040936
The use of *organic* **fertilizers** in fruit growing. 040942
Effect of mineral and *organic* **fertilizers** on the development of algae in a sod-podzolic soil. 041012
Effect of soil organic matter and of *organic* **fertilizers** on the mobility of radiostrontium and its availability to plants. 041095
Activity of phosphofructokinase in some *organs* of **guinea** pigs with different ascorbic acid allowances of their organism. 032479
Scanning electron microscopy of the ticks Ixodes laguri andIxodes arboricola: surface structures of **Haller's** *organ.* 039456
Species variation in the metabolism of some *organic* **halogen** compounds [Organochlorine pesticides]. 039537
Infrared and Raman spectra [for **identifying** *organic* compounds] of maltooligosaccharides [in cereals]. 033204
The effect of feeding frequency on the growth and composition of **individual** *organs* in the rat. 032188
Potentially persistent **industrial** *organic* chemicals other than PCB [polychlorinated biphenyl]. 041516
Reproductive performance of rabbits on *organic* and **inorganic** leys. 034791
Organ and **interacellular** localization of short-chain acyl-CoA synthetases in rat and guinea-pig. 033808
Presence of inhibiting substances in the meat and *organs* of **livestock** killed in a sanitary slaughterhouse. 034944
Organic **manures** for meeting the plant nutrient shortage. 040946
Latest on the study of the *organic* **material** of Pinus sylvestris and Pinus nigra stands for industrial uses. 035737
Influence of different *organic* **materials** with and without rock phosphate and urea on reclamation of highly saline and alkaline soil. 041161
Green Revolution and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of *organic* **matter** by air and the protein problem. 031849
The influence of the method of preservation of forages on the digestion in dairy cows. 2. Digestion of *organic* **matter,** energy and amino acids in forestomachs and intestines. 034119
Effect of rock phosphate in cojunction with *organic* **matter** in increasing the essential oil contents of Mentha arvensis. 038547
Organic **matter** and the soil structure. 040663
Study of *organic* **matter** in the soils of Tusheti. 040807
Transformation of phosphorus in *organic* **matter** decomposition studies with special reference to the immobilisation aspect. 040840
The economic value of *organic* **matter** in crop production. 040900
Reproduction of *organic* **matter** in soil under conditions of industrialised crop and livestock farming. 040917
Changes in the composition of raw humus and the transport of *organic* **matter** as a result of urea fertilization. 040952
Comparative determinations of *organic* **matter** in polluted maintenance dredgings. 041568
Organic **matter** and soil pollution. 041600
Overall estimation of *organic* **micropollution:** development of and investigation into an electrochemical method. 041640
Comparative immunochemical study of proteins of the root and other *organs* of **pea** seedlings. 037860
Blockage of nerves of *organs* of the **pelvis** and udder of cows [Anesthesia]. 034934
Nonbiological degradation and transformations of *organic* **pesticides** in aqueous systems. 041471
Infiltration of *organic* **phosphate** compounds in soil. 041041
Quinoid pigments [found in all **plant** *organs].* 036800
Iron and manganese status of citrus trees grown in Egypt inrelation to location, variety, and **plant** *organ.* 040906
Morphofunctional state of **principal** *organ* system, life span, and fertility in the domestic cricket Acheta domestica during normal imaginal development and after allatectomy. 039930
Effect of dl-norgestrel (13beta-ethyl-17 alpha-ethynyl-19-nortestosterone, Wy3707) on the **reproductive** *organs* of rabbit. 033974
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and **reproductive** *organs* [Injuries]. 035413
Changes in the activity of some oxidases in different *organs* of **rice** during its ontogenesis. 037422
Nitrogen in **sedimented** *organic* matter from Lake Ontario. 040631
Fractionation and partial analysis of the 'bound' lipid fraction of muck **soil** *organic* matter. 040626
Ubiquity of some soil enzymes and isolation of **soil** *organic* matter with urease activity. 040637
Effect of Eucalyptus monoculture on the status of **soil** *organic* matter in natural sal (Shorea robusta) zone in Doon valley. 040658
Relationships between the denitrification capacities of soils and total, water-soluble and readily decomposable **soil** *organic* matter. 040802
Methods for determining biological energy balances of **soil** *organic* matter. 040828
Effect of **soil** *organic* matter and of organic fertilizers on the mobility of radiostrontium and its availability to plants. 041095
Potentials of *organic* **solvents** in finishing of cottons. 033180
Effect of erosion processes on *organic* **substances** of Chestnut soils in submontane zone of the Great Caucasus within Azerbaijan SSR. 041186
The difference in absorption of bull seminal ribonuclease by *organ* **tissues** of juvenile and adult mice. 033906
Age dynamics of the composition of phosphorous compounds in *organs* and **tissues** of broiler chickens. 034179
The effect of 2, 4-dinitrophenol on the growth of Bordetella pertussis in chick **tracheal** *organ* culture. 035139
The response characteristics of the **tympanal** *organs* of two species of bush cricket [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of sound transmission. 039832
The **tympanic** *organ* of Cicada orni L. (Cicadina, Homoptera). A light and electron microscopic investigation. 039954
Seasonal dynamics of the mass of aboveground and **underground** *organs* of meadow steppe plants. 037326
Pigments of the **vegetable** *organs* of soft winter wheat plants with cytoplasmic male sterility. 036466
Identification of **volatile** *organic* contaminants in Washington, D.c. municipal water. 041680
A system for rapid identification of *organic* **water** pollutants. 041629
Investigations of a model of the system montmorillonite + **water-soluble** *organic* substances [Soil formation]. 040827
Radioisotope studies showing the role of phosphorus in the formation of a large molecular **weight** *organic* compound present in lake water. 041285

ORGANISM
Activity of phosphofructokinase in some organs of guinea pigs with different ascorbic acid **allowances** of their *organism.* 032479
Studies into stressor action on **calf** *organism* in the contest of adjustment after movement to industrialised young cattle breeding unit. 034108

Activity of acethylcholinesteraze as a symptom of the non-specific resistance of the *organism* [**Calves**]. 034177
In vitro evaluation of fungicides against Helminthosporium spiciferum the **causal** *organism* of blight of cotton. 038655
Effect of dimidin on the *organisms* **causing** piroplasmosis and nuttalliosis in horses. 035238
An introductory review on humic substances aspects of research on their genesis, their physical and chemical properties , and their **effect** on *organisms*. 040619
Processing of tRNA precursors in **higher** *organisms* [Includes Drosophila]. 039798
Chloretracycline in the *organism* of the **honeybee** [Honey contamination with antibiotics]. 040269
The history of all *organisms* is **inscribed** in the chromosomes [Wheat]. 036580
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the **irradiated** *organism*. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
Research in pig dysentery attributed to the **pathogene** *organism* Treponema hyodysenteriae. 035193
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the *organism* [**Radiation** injuries]. 035435
Role of saponins in antifungal resistance. II. Tomatin dependent development of fruit **rot** *organisms* on tomato fruits. 038845
Effects of biocidal treatments on **soil** *organisms*. 040649

ORGANOCHLORINE

Clean-up cereal and milk for determination of residues of *organochlorine* **insecticides**. 032080
Residues of *organochlorine* **insecticides** and polychlorinated biphenyls in some Norwegian foods. 032123
Trace constituents in molasses [Heavy metal contaminants and *organochlorine* **pesticide** residues]. 031961
Species variation in the metabolism of some organic halogen compounds *[Organochlorine* **pesticides**]. 039537
The chronic toxicity of *organochlorine* **pesticides** in man. 039546

ORGANOGENESIS

Barley *organogenesis* under south Bulgarian conditions. 037551
Callus formation and *organogenesis* of **mature** cotyledons of Linum usitatissimum L. variety szokijskij [flax] in vitro culture. 037436
Chemical regulation of callus growth, *organogenesis*, **plant** regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. 037775

ORGANOLEPTIC

Organoleptic and **chemical** evaluation of flavour changes during storage of ghee prepared from fresh and ripened desi butters. 032966
Correlation of *organoleptic* [**quality**] evaluation with chemical and microbiological tests in oysters. 032018

ORGANOPHOSPHATES

Toxicity of some *organophosphates* and **carbamates** against Epilachna vigintioctopunctata F. [Eggplants, potatoes]. 039320
Change of the proportion of *phosphororganic* **compounds** in Tashkent 2 cotton variety as affected by moisture deficit. 037566
Health effects from *organophosphate* **pesticides.** 039545

ORGANOPHOSPHORUS

Comparative investigation of cytogenetic effect of **certain** *organophosphorus* pesticides [Mice]. 034625
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an **experimental** *organophosphorus* insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. 039562
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an **experimental** *organophosphorus* insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564
Hepatic drug metabolizing enzymes and lipid peroxidation in young growing male rats during treatment with an *organophosphorus* **insecticide** take-20 (0,0-dimethyl malathion). 039550
Sulfoxide reduction in relation to *organophosphorus* **insecticide** detoxification. 039593
Organophosphorus **resistance** in a peach orchard population of predacious mites [Acarina, Phytoseiidae]. 039339

ORIBATEI

The correlation between the occurrence of both soil **mites** *(Oribatei)* and soil fungi in Qualubia Governorate. 039948

ORIENTATION

Function *oriented* location for buildings, a prerequisite for cost saving production, adaptability and further expansion of farms. 040337
Industrial *orientation* of agriculture and agribusiness: an analysis of regional input-output tables. I. 031371
The importance of **leaf** *orientation* for light reception by sunflower plant. 037601
New *orientation* and processes in cultivating tobacco sprouts in Romania. 038113
A **new** *orientation* in selection [Apis mellifera]. 040289
X-ray diffraction from *oriented* **outer** mitochondrial membranes. Detection of in-plane subunit structure [Mung beans, potatoes]. 037658
The economics of **water** *oriented* outdoor recreation in the Kissimmee River Basin [Land use]. 031165

ORNAMENTAL

New pesticides as a means to improve the productiviness of *ornamental* **conifers** [Pratylenchus penetrans, Chamaecyparis lawsoniana columnaris, namatodes]. 039034
Control of lesser-seeded bittercress [Cardamine oligosperma] in **container-grown** *ornamentals;* progress report. 039119
Asexual propagation of hybrid *[ornamental]* **elms** [Ulmus pumila, Ulmus japonica]. 037831
Winter hardiness of endemic and introduced *[ornamental* and **fruit**] trees in the southern Far East. 037856
The *ornamental* **garden** as winter approaches. 038347
Influence of nutrition on rooting capacity of [**glasshouse** *ornamental]* cuttings. 037787
Some examples of the successful **introductions** or *ornamentals*. 038346
New *ornamental* plant varieties in 1975. 038314
State and trends in *ornamental* **plant** breeding on an international scale. 036493
Gross Kreutz agrochemical centre advances scientific and technological progress also in the field of *ornamental* **plant** production. 038307
The introduction, growth and landscape performance of new plants for Oklahoma *[Ornamental* **plant** varieties]. 038457
Practical results of urea fertilization in *ornamental* **plant** growing. 040938
Breeding for mutations. II. *[Ornamental* **plants**]. 036696
Continuous inspection of the effect of temperature on the growth of *ornamental* **plants** in winter. 037714
Bedding **plants** *[Ornamentals].* 038256
Ornamental **plants** in containers. 038427
Nursery Research Field Day [Culture of *ornamental* **plants**]. 038456
Aquatic *[ornamental]* **plants** with floating leaves. 038485
The unsightly sooty molds [on *ornamental* **plants**]. 038629
On the nutrient ratio of fertilizers and earths for *ornamental* **plants.** 040937
Fertilization of *ornamental* **plants.** 041074
Container grown tree seedlings *[Ornamental* **Quercus**]. 038452
GM [ground maintenance] guide to systemic pesticides [for protection of *ornamental* **trees**]. 039544
The leaf-eating microlepidoptera of *[ornamental]* **trees** and shrubs in the region of Leningrad [Taxonomy]. 040075
Acclimatization of *[ornamental]* **tropical** trees for interior use [Ficus benjamina, Brassaia actinophylla]. 038358
Effects of Probe on weed control in containers [**Woody** *ornamentals].* 039175
Weed control in containers [with the herbicides] Tolban, Ronstar and Devrinol [**Woody** *ornamentals].* 039177
Nutrition research: foliar analysis of **woody** *ornamentals*. 040881
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of **woody** *ornamentals* [Ligustrum japonicum, Juniperus procumbens]. 041065

ORNITHINE

Determination of the relative rates of incorporation of arginine and *ornithine* into **retronecine** during pyrrolizidine alkaloid biosynthesis [in Senecio by double-isotope technique]. 037161

ORNITHODOROS

Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, *Ornithodoros]* in **Queensland.** 039483
Lack of specificity in assembly pheromones of soft ticks (Acari: Argasidae) [Ornithodoros tholozani, *Ornithodoros* **savignyi,** Argas brumpti]. 039479
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, *Ornithodoros* **savignyi** Audouin (1827) [Ticks, cattle, sheep]. 039496
Lack of specificity in assembly pheromones of soft ticks (Acari: Argasidae) *[Ornithodoros* **tholozani,** Ornithodoros savignyi, Argas brumpti]. 039479

ORNITHOGALUM

Cardenolides of the flowers and bulbs of *Ornithogalum* **gussonii.** 036873
Cardenolides of *Ornithogalum* **schelkovnikovii.** 036874

OROBANCHE

Control of broomrape *[Orobanche* **crenata**] in broadbean and pea. 039154

ORTHOPEDICS

Surgery and *orthopedic* **equipment** in large-scale cattle farms. 034949
Rush pins in **veterinary** *orthopedics*—a review. 034903

ORTHOPHOSPHATES

Reaction products of polyphosphates and *orthophosphates* with **soils** and influence on uptake of phosphorus by plants [Maize]. 041045

ORTHOPTERA

Grasshoppers of the genus Dociostaurus Fieb. *(Orthoptera,* **Acrididae**). II. 040070
The synonymy and distribution of the crenulata- and psittacina-groups of Atractomorpha Saussure 1862 *(Orthoptera:* **Acridoidea:** Pyrgomorphidae). 040169
Grasshopper control *[Orthoptera,* **economic** plants]. 039216
Effects of dieldrin on the neurosecretory system and the ovarian development of Gryllus assimiliis F. *(Orthoptera,* **Gryllidae**). 039206
The endemism and fauna formation of **Grylloidea** *(Orthoptera)* in Central Asia [USSR]. 040163
Application of the energy principle to determine the amount of vegetation consumed by *Orthoptera* in the **mountain** pastures of eastern Georgia. 036249
Studies on the acridoid genera Opiptacris Walker and Bumacris **Willemse** *(Orthoptera,* Acridoidea). 032461

ORYZA

Genic analysis for acid phosphatase isozymes in *Oryza* **perennis** and Oryza sativa [Rice]. 036407
Seed-borne fungi of **rice** *(Oryza* sativa) in Nigeria [Drechslera oryzae, Pyricularia oryzae, Trichoconis padwickii]. 038795
Genic analysis for acid phosphatase isozymes in Oryza perennis and *Oryza* **sativa** [Rice]. 036407
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the induction of chlorophyll mutations in *Oryza* **sativa** L. [Rice]. 036555
Diallel cross experiment among Sikkimese varieties, indica and japonica testers of rice, *Oryza* **sativa** L. III. Morphological characters. 036582
Vegetative proliferations of floral spikelets in *Oryza* **sativa** L. [Rice]. VI. Development of proliferated spikelets (propagules) by means of soil cultivation. 036621
Reflexions on the choice of the parents and some ways of developing new rice **varieties** *(Oryza* sativa L.). 037964

ORYZAEPHILUS

The oviposition and development of the grain **beetle** *Oryzaephilus* mercator faur. on dry fruit meals (Coleoptera, Cuciyidae]. 039422
Studies of interspecific competition at early growth stages of a population of granary **beetles** *(Oryzaephilus* surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428

OSCILLATION

Eutrophication and occurrence of *Oscillatoria* **agardhii** Gom. [Algae] in the lakes bordering on Flevoland. 036962
Growth of *Oscillatoria* **agardhii** Gom. [Algae]. 036963
The occurrence of the blue-green **alga** *Oscillatoria* agardhiiGom. in some waters discharging into the Lauwersmeer (the Netherlands). 036021
Sulphide-dependent anoxygenic photosynthesis in the **cyanobacterium** *Oscillatoria* limnetica [Blue-green algae]. 037134
Forced *oscillations* and resonant oscillations of circular saw blades for log conversion. 3. Resonant speed of unsymmetric oscillations. 035768
A field and laboratory study of oxygen uptake by planktonic blue-green algae *[Oscillatoria* **redekei**]. 037034
Forced oscillations and **resonant** *oscillations* of circular saw blades for log conversion. 3. Resonant speed of unsymmetric oscillations. 035768
Rhythmic *oscillations* of phytochrome and its pelletability in Cucurbita pepa L. [Squash]. 037791
Cycling aggregation patterns of cytoplasmic F-actin coordinated with *oscillating* **tension** force generation [Physarum polycephalum, fungi]. 036300
Oscillations of **tropical** insect populations. 039888
Forced oscillations and resonant oscillations of circular saw blades for log conversion. 3. Resonant speed of **unsymmetric** *oscillations*. 035768

OSCINELLA

Frit fly *[Oscinella* **frit**] in grain and grass. 039293

OSMOSIS

Influence of *osmotic* **potential** on the growth and development of soybean tissue cultures. 037391
Effect of *osmotic* **pressure** on spontaneous afferent discharge in the nerves of the perfused rabbit liver. 034126
An effect of *osmotic* **pressure** on the valve morphology of the diatom Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036338
Normal values of body fluid volume, blood constituents, hemodynamic parameters, *osmotic* **reactivity** of the antidiuretic system and the thirst mechanism in unanesthetized dogs. 033714

Osmotic **regulation** in the marine alga, Codium decorticatum. I. Regulation of turgor pressure by control of ionic composition. 037055
Cheese manufacture with the DDS **reversal** *osmosis* system. 033000
Changes in blood arginine vasotocin level after *osmotic* **stimuli** in domestic fowl. 033713

OSSIFICATION
Determination of age of lamb carcasses from **pelvic** *ossification.* 033037

OSTEOCHONDRITIS
Osteochondritis **dissecans** of the epiphysis of the dog shoulder. 035384

OSTEOCHONDROMATOSIS
Osteochondromatosis of the **cervical** vertebrae in a dog. 035344
Osteochondromatosis in the **racing** greyhound [dogs]. 035350

OSTEOGENESIS
Osteogenesis with **homogenous** bone meal in fracture repair in a Hariana bull calf—a case report. 035418
Osteogenesis **imperfecta** in the cat. 035357

OSTEOMALACIA
Epidemiological and dietary aspects of **rickets** and *osteomalacia.* 032449

OSTEOPATHY
Alimentary *osteopathies.* 032480

OSTEOPETROSIS
Comparison of an **avian** *osteopetrosis* virus with an avian lymphomatosis virus by RNA-DNA hybridization. 035129

OSTRINIA
Juvenile hormone active principle in Attacus atlas L. [In the control of *Ostrinia* **furnacalis,** pest of corn]. 039215
The European corn borer *[Ostrinia* **nubilalis].** 039257
The resistnace of corn to *Ostrinia* **nubilalis** Hbn (Lepidoptera, Pyralidae) and the prospects for international cooperation on this problem. 039279
Yield losses in maize caused by different levels of infestation of second-brood European corn borers *[Ostrinia* **nubilalis].** 039288
Photoperiodic determination of insect *[Ostrinia* **nubilalis]** development and diapause. III. Effects of nondiel photoperiods. 039831

OUABAIN
Effects of *ouabain* on **two** types of active cation transport in the cat submandibular gland. 033936

OUTBREAK
Outbreaks of **abortion-arthrogryposis-hydranencephaly** syndrome in cattle in Japan, 1972/73. VI. Recent incidence of AAH syndrome in Miyazaki prefecture and subsequent survey of cows delivering defective calves. 035305
Outbreaks of **abortion-arthrogryposis-hydranencephaly** syndrome in cattle in Japan, 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. 035306
Offshore migration and the collapse of *outbreaks* of the **Australian** plague locust (Chortoicetes terminifera Walk.) in Southeast Australia. 039209
Offshore migration and the collapse of *outbreaks* of the **Australian** plague locust (Chortoicetes terminifera Walk.) in south-east Australia. 039632
Controlling black fly [Simulium arcticum] *outbreaks* **[Cattle].** 039449
Criteria and procedures for implicating Clostridium perfringens in **food-borne** *outbreaks.* 031978
A potential for **fowlpox** *outbreaks* [Virus diseases]. 035066
An *outbreak* of **Pseudomonas** aeruginosa infection in mink in Hokkaido and inoculation with OEP vaccine. 035120
Enterotoxemia [Clostridium welehii type D] *outbreaks* in **sheep** in Haryana. 035083
Esponse of the ovenbird (Aves: Parulidae) to an *outbreak* of the **spruce** budworm [Choristoneura fumiferana, control]. 039386
An *outbreak* of **viral** arthritis in broiler breeders [Chickens]. 035041

OVA
Ova of **mammals.** 7. Ovulation [Livestock]. 034555

OVALBUMIN
The synthesis and properties of the complete complementary DNA transcript of *ovalbumin* **messenger** RNA [Chickens]. 034584
Effect of estrogen on the synthesis and processing of *ovalbumin* **messenger** RNA in the chick oviduct. 034642

OVARY
Effects of specific neutralization of luteinizing hormone and prolactin on *ovarian* **blood** flow and progesterone secretion [in ewes]. 034640
Activity of neurosecretory cells in relation to *ovarian* **cycle** of the viviparous cockroach Nauphoeta cinerea (Olivier). 039800
Effects of dieldrin on the neurosecretory system and the *ovarian* **development** of Gryllus assimiliis F. (Orthoptera, Gryllidae). 039206
Ovary **development** and egg laying in Apis cerana indica workers. 040248
Corpus allatum and *ovarian* **growth** in a polymorphic paedogenetic insect [Aphis craccivora]. 039885
Influence of carbon dioxide narcosis and cold immobilization on the *ovarian* **growth** of the cockroach Nauphoeta cinerea. 039909
Factors **influencing** *ovary* development of worker honeybees of European and African origin [Apis mellifera adansonii, Apis mellifera ligustica]. 040215
Autogenetic development of *ovaries* in **mosquitoes** of the genus Aedes (Diptera, Culicidae) in the south Yamal. 039965
Fruit abscission in cowpea, Vigna unguiculata (L.) Walp. II. Quantitative estimations of total nucleic acids in *ovaries* of **persisting** and abscissing flowers. 037777
54Mn [manganese isotope] uptake by the *ovaries* and **reproductive** tract of cycling and anestrous ewes. 033853
Follicular population and body weight in relation to genetic differences in *ovarian* **response** to gonadotropin in rats. 034662
In vitro culture of *ovaries* of **Rubus** [raspberry] species. 038222
Ovarian **teratoma** in a fowl. 035328
Histopathological effect of thiourea on the *ovarian* **tissues** of Sarcophaga ruficornis (Fabr.). 039740

OVEN
On the benzpyrene content in dried fruits treated in a Soviet-made tunnel **drying** *oven.* 033483

OVERFEEDING *see* FEEDING

OVIDUCT
Nucleic acid probes and analysis of hormone action in **[chick]** *oviduct.* 033778
Effects of estrogen on gene expression in **chick** *oviduct:* nuclear receptor levels and initiation of transcription. 034145
Hormonal regulation of specific gene expression in the **chick** *oviduct.* 034583
Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the **chick** *oviduct.* 034642
Further investigation of the response of the **mammalian** *oviduct* to catecholaines. 034684

OVINE
Characterization of the mannosyl and fucosyl transferases in the *ovine* **anterior** pituitary glands. 033817
Cytoplasmic oestrogen receptor complex of **female** *ovine* pituitary: **changes associated with the** reproductive state and oestradiol treatment [Sheep]. 034666
A comparative study of preparations of *ovine* **luteinizing** hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and polyacrylamide **gel** electrophoresis. 033704
Purification and characterization of *ovine* **pancreatic** alphaamylase. 033822

OVIPOSITION
The *oviposition* and **development** of the grain beetle Oryzaephilus mercator faur. on dry fruit meals (Coleoptera, Cuciyidae]. 039422
How does the female locust [Locusta migratoria migratorioides] dig her *oviposition* **hole?** 039836
Ovipositional **host** plants of 17-year cicadas [Magicicada]. 039242
On the *ovipositor* of **Platambus** maculatus L. (1758) (Insecta, Coleoptera, Adephaga). 039962
Presence of an *oviposition-inducing* **substance** in the anterior lobe of pituitary of the chicken. 034094

OVIS
Isoenzyne comparisons of wild Iranian **sheep** *(Ovis* linnaeus). 033870
Genetic control of the potassium content in the erythrocytes of **sheep** *(Ovis* domesticus). 034817
Karyotype of an interspecific hybrid of the **urial** *(Ovis* vignei) with the Kazakh Fine-Fleeced sheep. 034820

OVULATION
Superovulation and **embryonic** survival rates in beef cattle [Estrus]. 034736
Effect of GnRH [gonadotropin releasing hormone] on estrus, *ovulation* and **fertility** in the mare. 034723
Induction of *ovulation* in **hens** by an analogue of LH-RH [luteinizing hormone, releasing hormone]. 034685
Ova of mammals. 7. *Ovulation* **[Livestock].** 034555
Content of RNA and sulfhydryl-groups in swine zygotes during **natural** *ovulation* and hormonal stimulation. 034806
The role of catecholamines in stimulating the release of **pituritary** *ovulating* hormone(s) in sheep. 034544
The effects of indoleamines (serotonin and melatonin) on induction of *ovulation* in **rabbits.** 034543
Ovulation **rate** in ewes treated with pregnant mares' serum gonadotrophin and luteinizing hormone releasing factor. 034657
Studies into ways to induce the onset of puberty by means of heat and *ovulation* **synchronisation** [Swine]. 034753
Results obtained from histological uterus examination of young sows after heat synchronization, heat stimulation and **synchronization** of *ovulation.* 034751

OVULE
A study on the number of *ovules* per **fruit** set in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. 036472
Effects of chemical pretreatments on Ludwigia alternifolia L. *ovules* **prior** to immersion in Herr's clearing fluid. 037244

OWNERSHIP
Household textiles consumption by farm and city families: **assortment** *owned,* annual expenditures, and sources. 032515
Public liability of southern **forest** *owners.* 035537
Concerning the Sor Trondelag **Forest** *Owners* organization and the proposed county plan. 035570
The use of simulation in the management of **privately** *owned* forests in Britain. 035551
Bibliographic control of **USDA**—*owned* [agricultural] library materials. 031002

OXALACETIC
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, *oxalacetic* **acid,** transaminase] a. 034318

OXALATE
Anthurium andreanum Lindl. In hydroponic culture: influenceof substrates and of nutrition on formation of **calcium** *oxalate.* 036767

OXALIC
Comparison of *oxalic* **acid** and phosphoric acid as degumming agents for [rapeseed, soybean] vegetables oils. 033254

OXALIS
Oxalis **[corniculata]** control in Gerbera [jamesonii]; progress report. 039121
Cytogeographic evidence for the evolution of distyly from tristyly in the North American species of *Oxalis* **section** ionoxalis. 035954

OXEN
The binding of 86 rubidium [isotope] by a microsomal fraction of the *ox* **cortex** cells. 034218
Investigations into the primary and tertiary structures of *ox* **liver** glutamate dehydrogenase. 034204
Effect of pH [hydrogen-ion concentration] and ionic strength on the catalytic and allosteric properties of native and chemically **modified** *ox* liver mitochondrial glutamate dehydrogenase. 033760
The length and diameter of the coat fibres of the **Musk** *ox.* 033096
Changes in the metabolism of the shivering hind leg of the **young** *ox* during several days of continous cold exposure. 034158

OXIDANTS
Photochemical *oxidants* in Yonkers, New York: [Ozone] effects on yield of bean and tomato. 039018
Effect of *antioxidants* on **refined** palm oil. 032857

OXIDASES
Changes of glycolic **acid** *oxidase* and peroxidase activity in maize leaves during the vegetation period. 037333
Oxidation of methanol and formaldehyde by a system containing **alcohol** *oxidase* and catalase purified from Candida [fungi] sp. N-16. 032711
Oxidative deamination of biogenic amines by intestinal **amine** *oxidases:* histamine is specifically inactivated by diamine oxidase [Dogs]. 033921
Activity of **copper-proteid** *oxidases* as an indicator of copper supply in plants [Oats, rape]. 037497
Oxidative deamination of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by **diamine** *oxidase* [Dogs]. 033921
Effect of nitrogen nutrition on **glycolate** *oxidase* activity in [broad] bean and corn plants. 037580
Stereochemistry and mechanism of **methanol** *oxidase* from Candida boidinii [Yeasts]. 036958
Distribution of type A and B **monoamine** *oxidase* activities in the central nervous system of rat and chick. 033889
Effects of injections of **monoamine** *oxidase* inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667

Changes in the activity of some *oxidases* in different **organs** of rice during its ontogenesis. 037422
Properties of the **polyphenol** *oxidase* of grapes of the Cabernet Sauvignon variety. 033343
Phenolic compounds & **polyphenol** *oxidase* activity in relation to resistance in potatoes against bacterial soft rot [Erwinia carotovora]. 038860
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root nodule bacteroids [Rhizobium japonicum]: presence of **two** *oxidase* systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051
Studies of **xanthine** *oxidase* in goat milk. 032968

OXIDATION

Nature of *indole-oxidizing* **agents** in Chernozem. 040832
Black olives by **alkaline** *oxidation.* III. A comparative study of iron determination methods. 033381
Chemistry of tobacco constituents: *oxidation* of **alpha-ionone** and the acid-catalyzed rearrangement of 5-keto-alpha-ionone. 033251
The polyphenol of Dioscorea alata (yam) tubers associated with *oxidative* **browning.** 033416
Change in activity of **certain** *oxidative* enzymes in apples and pears during growth and ripening. 037719
Oxidative **conversion** of vitamin A in rats with different allowances of it. 032496
Dark *oxidation-reduction* coupled phosphorylation in sonicated chloroplast vesicles [Spinach]. 037694
Oxidative **deamination** of biogenic amines by intestinal amine oxidases: histamine is specifically inactivated by diamine oxidase [Dogs]. 033921
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and **glycolate** *oxidizing* enzymes [Algae]. 037153
Biochemical studies of algal-bacterial symbiosis in **high-rate** *oxidation* ponds with varying detention periods and algae. 036790
Oxidation of **methanol** and formaldehyde by a system containing alcohol oxidase and catalase purified from Candida [fungi] sp. N-16. 032711
Formation of primary alcohols and palmitic acid as a result of hexasecane **microbiological** *oxidation* [Candida, yeasts]. 037219
Distribution of *manganese-oxidizing* **microorganisms** [Metallogenium] in soils. 040821
Photooxidation of **milk** and milk products: a review. 032953
New *oxidation* products of tryptophan. 032723
On the degree of vegetable **oil** *oxidation* in production of canned goods. 032917
Activity of dehydrogenases of the accumulative and continuous culture of the **paraffin** *oxidizing* yeast Candida. 037209
Oxidized **phosphatidylcholines** from defatted soybean flakes taste bitter. 033252
Changes in the *oxidative* **phosphorylation** of pea plants affected by magnesium deficiency of different intensity. 037686
Photosynthetically-linked *oxidation* of diaminobenzidine in blue-green algae. 037079
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, *oxidation* **reduction** potential, carbon, nitrogen and phosphorus]. 040552
Short-term baking systems. I. Interdependence of yeast concentration, fermentation time, proof time and *oxidation* **requirement.** 033210
Effects of refining and bleaching on *oxidative* **stability** of sunflowerseed oil. 033255
Sulfide *oxidation:* sulfox system of pollution control. 041628
The state of *oxidative* **systems** in the mitochondria of wheat roots under conditions of phosphorus deficiency. 037433
Species differences in erythrocyte glutathione reduction rates after *oxidation* with **t-butyl** hydroperoxide [Sheep, goats, dogs, horses]. 033988

OXIDE

Rate of passage of **chromic** *oxide* and polyethylene glycol and digestibility in the digestive tract of pigs. 034424
Four new labdane **diterpene** *oxides* from Sideritis gomerae. 037163
Nicotine *n-oxides* [in tobacco, Nicotiana affinis and Nicotiana sylvestris]. 037513
Reactions of nitrous acid and **nitric** *oxide* with porphyrins and haems. nitrosylhaems as nitrosating agents [Food additives, meats]. 031982
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, **nitric** *oxide,* oxygen] complexes of reduced horseradish peroxidases. 037639
Unscheduled DNA synthesis induced in barley seeds by gamma rays and **4-nitroquinoline** *1-oxide.* 037483
Chromosome doubling of barley haploids by **nitrous** *oxide* and colchicine treatments. 036406
Foliar element levels of Chrysanthemum [morifolium] and tomato grown in insolubilized **poly(ethylene** *oxide)* amended media. 037734
Isolation of 6,7-dehydro-8-oxokopsinine, **vincanine** *n-oxide,* and venalstonine from Vinca erecta. 036886
Structure of **zerumbone** *oxide,* a new sesquiterpene epoxy ketone from Zingiber zerumbet Smith (wild ginger oil). 037750

OXIDOREDUCTASES

Purification and properties of polyol: NADP [niconinamide adenine dinucleotide phosphate] *oxidoreductase* from **pichia** quercuum [Fungi]. 036731

OXYGEN

Oxygen **absorption** during high-temperature treatment of tobacco. 033156
Studies on avian erythrocyte metabolism. II. Releationship between the major phosphorylated metabolic intermediates and *oxygen* **affinity** of whole blood in chick embryos and chicks. 033865
Invert sugar degradation during juice purification in the presence of **atmospheric** *oxygen.* Results obtained from industrial experiments. 033311
Variations of **biochemical** *oxygen* demand and dissolved oxygen in a steady stream by integration of a hyperbolic differential equation [Water pollution]. 041485
A simple system for the measurement of the **biochemical** *oxygen* demand of an effluent sample [Dairy industry]. 041615
Modelling influent BOD **[biological** *oxygen* demand] data for a sewage treatment plant. 041577
Participation of Amadori rearrangement products and carbonyl compounds in *oxygen-dependent* **browning** of soy sauce [during storage]. 033253
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, *oxygen]* **complexes** of reduced horseradish peroxidases. 037639
Influence of some hormones on the *oxygen* **consumption** in leucocytes of different cattle races and hybrids. 034617
Manganese stimulation of *oxygen* **consumption** in [spinach, maize] chloroplasts with dibromothymoquinone. 037406
Effects of X-irradiation on cell division, *oxygen* **consumption,** and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line cultured in vitro. 039904
Mitotic activity in rice seedlings germinating under *oxygen* **deficiency.** 037474
The bacteriological behavior of beef, vacuum-packed in bags of **differing** *oxygen* permeability, under prolonged refrigerated storage. 033069
Variations of biochemical oxygen demand and **dissolved** *oxygen* in a steady stream by integration of a hyperbolic differential equation [Water pollution]. 041485
Peculiarities of the *oxygen* **metabolism** of the obligate phototrophic blue-green alga Anabaena variabilis in darkness. 037121
Penetration of *oxygen* to **milk** packed in paper cartons [Quality]. 032119
Quartz *oxygen* isotopic stability in relation to isolation from sediments and diversity of [soil] source. 040771
A paramagnetic intermediate in the reduction of *oxygen* by **reduced** [fungal] laccase. 036929
Characterization and comparison of **spent** *oxygen*—alkali and soda pulping liquors. 035878
Effects of carnitine on *oxygen* **uptake** and utilization of (U-14C) [uranium-carbon isotope] palmitate by ejaculated bull spermatozoa. 034683
A field and laboratory study of *oxygen* **uptake** by planktonic blue-green algae [Oscillatoria redekei]. 037034
The influence of pesticides on the *oxygen* **uptake** by miracidia of Fasciola hepatica (Trematoda) [Liver fluke]. 039530
Correlation between *oxygen* **utilization** and electron transport activity in marine phytoplankton [Algae]. 037093

OXYTOCIN

The *oxytocin-inactivating* **activity** of the rabbit testes homogenates. 034589
Oxytocin **following** artificial insemination in crossbred heifers. 034731
Effect of oxytocin injection on the rabbit testis **homogenate** *oxytocic* activity. 034587
The effects of prolactin and *oxytocin* on **milk** secretion and on the permeability of the mammary epithelium in the rabbit. 034079
Potentiation by urethane and inhibition by pentobarbitone of *oxytocin* **release** in vitro [Rats]. 034056

OYSTERS

Correlation of organoleptic [quality] evaluation with chemical and microbiological **tests** in *oysters.* 032018

OZONE

Chlorofluoromethanes in the stratosphere and some possible consequences for *ozone* **[Atmospheric** pollution]. 041489
Photochemical oxidants in Yonkers, New York: *[Ozone]* **effects** on yield of bean and tomato. 039018
Heterosis and combining ability estimates for air pollution damage, **primarily** *ozone,* in Maryland tobacco. 038972

PACHYBRACHYS

A review of the leaf beetles of the **genus** *Pachybrachys* Redt. (Coleoptera, Chrysomelidae) of Soviet Central Asia and Kazkhstan. 040065

PACHYDIPLOSIS

Incidence of rice gall **midges** *Pachydiplosis* oryzae Wood-Mason) as affected by variations in some cultural practices of rice. 039280

PACHYTENE

Pachytene **chromosome** morphology of Solanum nodiflorum Jacq. 036299
Incorporation of tritiated uridine during *pachytene* and **diplotene** stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). 033894
Chromosome associations at *pachytene* in the **interchange** heterozygotes of Sorghum bicolor. 036405

PACKAGING

A flourish of food and **dairy** *packaging* ideas—in time of crisis. 032877
Larger role for plastics in **food** *packaging* indicated by technical, economic changes. 032669
Coping with the super super market **[Food** *packaging].* 032810
Larger role for plastics in **food** *packaging* indicated by technical, economic changes. 032813
Packaging and **handling** crisphead lettuce. 033398
Packaging **horticultural** products. 031737
Heat transfer coefficients in plate freezing: the effect of *packaging* **materials** [Foods]. 032745
Thermal analysis for rapid, precise testing of food ingredients, *packaging* **materials.** 032815
Effect of **modern** *packaging* materials on the keeping quality of khoa [Milk products]. 032970
Checks on ready packaging in accordance with the **new** *ready-packaging* regulations [Meat]. 031997
Speciality wrapping and *packaging* **papers.** II. Proven ability to protect the [food] product. 032776
Continuous sheeting and *packaging* of **pastry** type and other fats [Margarine, butter]. 032969
What's ahead for cultured [dairy] **products** *packaging* systems? 032941
Checks on **ready** *packaging* in accordance with the new ready-packaging regulations [Meat]. 031997
Bacteriological and sensory investigations on milk quality with different *packaging* **systems.** 032118
Keeping quality of frozen chickens and chicken portions, time-temperature-tolerance and nature of *packaging* **tests.** 033125
Plastic container board containers for fresh **vegetables** *[Packaging].* 033401

PACKING

The bacteriological behavior of beef, *vacuum-packed* in **bags** of differing oxygen permeability, under prolonged refrigerated storage. 033069
Effect of stilbestrol dipropionate on hemoglobin, *packed* **cell** volume, plasma protein and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
Lettuce handling systems **[Container** *packing].* 033397
Harvesting, *packing,* and **cooling** western Iceberg lettuce. 033396
Lactobacilli and gas formation of **film** *wrapped* Cheddar cheese. 033029
Enid school **lunch** *packs* one-two punch. 032682
Official limits to storage times for *pre-packed* **meat** and sausage products. 032004
Penetration of oxygen to **milk** *packed* in paper cartons [Quality]. 032119
Tetrahedron-packed **milk** for infants—a method for optimum infant nutrition [Bacteria, quality]. 032121
Optimation of stand-by **power** *packs* [Electric energy, animalproduction]. 040323
Microbial contamination of meat in boning and *packing* **rooms.** 032117
A Proteus inconstans which produced 'cabbage odour' in the spoilage of *vacuum-packed* **sliced** bacon. 032072
The *packing* of **southern** bean mosaic virus [cowpea strain] in various crystal cells. 038924
Speciality *wrapping* and packaging papers. II. Proven ability to protect the [food] product. 032776
Ecological specialization of Hawaiian drosophila. II. The community matrix, ecological complementation, and phyletic **species** *packing.* 039891

PADDOCK

Paddock **subdivision** with electric fences. 040346

PADDY

Prediction of time of hydration during parboiling of *paddy* from **activation** energy. 033268
Relative importance of seeds and fertilisers to the production of *paddy*—**a case** study. 037954
Economic analysis of *paddy* **enterprise** in district Raipur [Production function analysis]. 031281
Controlled sun drying of freshly **harvested** *paddy* for improved milling quality. 033265
A sample survey on the performance of high yielding and **local** *paddy* [rice] varieties in relation to the agronomic practices at Mangalore. 038083
Response of *paddy* to **nitrogen,** phosphate and potash and their respective economic optima under varying prices. 040927
Emergence and organ elongation of seedling of *paddy* **rice** sown under upland field condition as affected by specific gravity and weight of seed. 037542
Mangan sediment in *paddy* **soil.** 040712
Evaluation of change of salt reserves in the active layer of *paddy* **soils.** 040724

PADUS

Observations on the development and the ultrastructure of some erinoses. II. Erinose caused by Eriophyes paderineus L. on the leaves of **Prunus** *padus* L. 039235

PAECILOMYCES
The effect of polyethylenimine on some fungi [Aspergillus, Chaetomium, *Paecilomyces*, **Penicillium**]. 037328

PAEONIA
Peonies *[Paeonia,* **varieties**]. 038490

PAIRING
Studies on intraindividual and interindividual variation of rye **chromosome** *pairing* in diploid and tetraploid populations. II Individual variation. 036395
Chromosome *pairing* in triploid F1 and hexaploid F1, F2, and F3 generation of Gossypium hirsutum L. X Gossypium sturtianum Willis [Cotton]. 036424
Meiotic **chromosome** *pairing* in interspecific hybrids of Nicotiana. I. Comparative pairing of hybrids in section suaveolentes. 036607
Meiotic **chromosome** *pairing* in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of genotype on pairing. 036608
The timing of pre-meiotic **chromosome** *pairing* and duplication in Glossina morsitans morsitans assessed by radiation induced mutations. 039688
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. I. **Comparative** *pairing* of hybrids in section suaveolentes. 036607
Meiotic chromosome pairing in interspecific hybrids of Nicotiana. II. South American species hybrids: the influence of **genotype** on *pairing*. 036608
Induced **somatic** *pairing* in Nigella sativa L. [Chromosomes]. 036459

PALAEARCTIC *see* ARCTIC

PALATABILITY *see* TASTE

PALEARCTIC
New representatives and key to *Palearctic* **species** of the genus Erigorgus (Hymenoptera, Ichneumonidae). 040174
Palearctic **species** of the Lonchaea corticis group (Diptera, Lonchaeidae) [New taxa]. 040177

PALEOBOTANY
Plant opal phytolith analysis in midwestern **archaeology** *[Paleobotany].* 036061
Patterns in gymnosperm **evolution** *[Paleobotany].* 036132
Morphologic interpretation of fertile structures in glossopterid **gymnosperms** *[Paleobotany].* 036131
Morphology of Protosalvinia [Algae] from the upper Devonian of Ohio and **Kentucky** *[Paleobotany].* 035955
On the history of the dark coniferous forests of Georgia *[Paleobotany,* **USSR**]. 036142

PALEOGENE
The genus Populus in *Paleogene* **flora** of Sakhalin. 035984

PALLETS
Auto-stapled *pallets* [Wood construction]. 035864
Contribution to behavior of deckboard-stringer joints to [wood] *pallet* **performance,** a pilot study. 035865
Performance of 2 1/2" 15-gauge pas-kote [wooden] *pallet* **staples.** 035866

PALM
South **Carolina** *palms* [Palmae introduction]. 038432
A possible phytotoxic effect of copper on dwarf **coconut** *palms* [during control of Phytophthora]. 039061
Early results of a comparison between a nitrogen-rich and a potassium-rich fertilizer in dwarf **coconut** *palms.* 041101
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of **date** *palms].* 039333
Differential scanning calorimetry of *palm* **kernel** oil products. 032856
Malaysia's *palm* oil exports up. 031606
Palm **oil** processing. V. Comparison of processes and discussion. 032888
Palm **oil** steam refining, techniques, operating responses and economics. 032889
About some treatments of *palm* **oil** for edible uses. 032909
Land preparation of Imperata savannah or grass pastures [which is to be planted in **oil** *palm* or coconut]. 038091
Release and fixation of potassium in some soils supporting the **oil** *palm* (Elaeis guineensis Jacq.) in Nigeria. 040646
Oil-producing *palms* of the world—a review [Palmae]. 036117
Raphia *palms:* the production of piassava in Nigeria [Oil, fiber, exports]. 031703
Effect of antioxidants on **refined** *palm* oil. 032857
Consumer's El Dorado amid **swaying** *palms* [Citrus, pests and diseases]. 039076

PALMAE
South Carolina palms *[Palmae* **introduction**]. 038432
Palmologue: this and that *[Palmae].* 036118
The concept and circumscription of Ganoderma tornatum [and Ganoderma applanatum, fungi **pathogenic** in *Palmae].* 036162
Developmental studies in **Ptychosperma** *(Palmae).* I. The inflorescence and the flower cluster. 036265
Developmental studies in **Ptychosperma** *(Palmae).* II. The staminate and pistillate flowers. 036266
Oil-producing palms of the world—a **review** *[Palmae].* 036117

PALMETTO
Pulsed sprinkling of *palmetto-type* **orchards** [Apple trees]. 041428

PALMITATE
Effects of carnitine on oxygen uptake and utilization of (U-14C) [uranium-carbon isotope] *palmitate* by **ejaculated** bull spermatozoa. 034683

PALMITIC
Formation of primary alcohols and *palmitic* **acid** as a result of hexasecane microbiological oxidation [Candida, yeasts]. 037219

PALPUS
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the cockroach [Periplaneta americana] **maxillary** *palp* as revealed by freeze fracturing. 039673

PALYNOLOGY
Palynological **study** of late Pleistocene deposits on the Hakkoda mountains. 036002

PANAX
Quantitative analysis of dammarane type saponins of *Panax* and its **application** to the evaluation of the commercial ginseng tea and ginseng extract. 032869
Effect of Ginseng *[Panax* **ginseng**] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
A colorimetric estimation of *[Panax]* **ginseng** saponins. 037187
Panax **[Polyscias]** propagation. 038353
Studies on the constituents of Himalayan ginseng, *Panax* **pseudoginseng.** II. The structures of the saponins. 2. 036903

PANCREAS
Characterization of the histones of **beef** *pancreas.* 033818
The role of lysine in the action of **bovine** *pancreatic* ribonuclease A. 033782
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and enzyme secretion by the *pancreas* [**Cyclic** adenosine monophosphate]. 033944
Analysis of the structural forms of alpha-amylase present in chicken (Gallus domesticus) *pancreatic* **duct** juice and intestinal lumen. 033866
Role of calcium in **exocrine** *pancreatic* secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in rabbit pancreas. 033812
Relation between amylase release and changes in electrophysiological and morphological properties of cells in the **exocrine** *pancreas.* 033957
Stimulatory processes of the **exocrine** *pancreas* and their inhibition by a non-penetrating SH [sulfhydryl]-reagent. 033961
A Ca++ [calcium ions] ionophore A 23 187 simulating hormone and neurotransmitter action in the rat parotid and *pancreas* **glands.** 033947
Study of proteins and some enzymes of *pancreatic* **juice** in swine by the method of disc elctrophoresis in polyacrylamide gel. 034191
The present validity of the *pancreatic* **lipase** method for husk oil protection [Olive oil cake, composition, adulteration]. 033455
Purification and characterization of **ovine** *pancreatic* alphaamylase. 033822
Phospholipase A2, isoenzyme from **porcine** *pancreas* purification and some properties. 033810
On the formation of a ternary complex between **[porcine** *pancreatic]* lipase, colipase and micelles of amphipathic compounds. 033820
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in **rabbit** *pancreas.* 033812
Adenylate cyclase and phosphodiesterase in **rat** *pancreas.* 033930
Membrane potential and conductance measurements in mouse and **rat** *pancreatic* acinar cells. 033955
Breakdown of phosphatidylinositol in the *pancreas* in **response** to pancreozymin and acetylcholine. 033950
The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the *pancreatic* **secretory** trypsin inhibitors. 033923
The role of calcium and of cyclic AMP [adenosine monophosphate] in *pancreatic* **secretory** processes. 033946

PANGOLAGRASS
Factors affecting feeding value of *pangola* **grass** (Digitariadecumbens, Stent) in a humid tropical climate [Goats]. 034291
Prediction of soil water content changes in [irrigated and non-irrigated] *Pangola* **grass** [Digitaria decumbens] pastures. 040842

PANICLE
Short height of the rice plant and good *panicle* **exertion.** 036260

PANICUM
Comparative response to nitrogen deficiency of a tropical and temperate grass *[Panicum* **maximum** trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019
Registration of Abarr proso millet *[Panicum* **miliaceum**]. 036442
The interaction of structural and regulatory genes controlling the color of the grains of **millet** *(Panicum* miliaceum L.). I. Inheritance of the yellow and red colors of the grain. 036692

PANLEUKOPENIA *see* LEUCOPENIA

PANONYCHUS
Resistance to acaricides of outdoor populations of the fruit tree spider **mite** *Panonychus* ulmi (Koch) on grapes. 039369
Integrated control of the European red mite of apples, *Panonychus* **ulmi** (Koch). 039355

PANORPA
Horse-faced flies *[Panorpa* **lugubris**]. 040086

PAPAIN
Redox dependence of *papain* **enzyme** activity on charged kaolinite surfaces and in solution [Clay minerals]. 040801

PAPAVER
Labile bound phenolcarboxylic acids and flavonoids in pericarp and placenta of oil **poppy** *[Papaver].* 036933
Raw stuff bulk and morphine content of soporific **poppy** *(Papaver* somniferum L.) as affected by the fruit stalk length. 037830

PAPAVERACEAE
The pharmacology and toxicology of the *Papaveraceae* **alkaloids.** 036757

PAPAVERINE
Phosphodiesterases from porcine coronary arteries: inhibition of separated forms by xanthines, *papaverine,* and **cyclic** nucleotides. 034106

PAPAYAS
Post infection changes in nitrogen metabolism in virus infected **Carica** *papaya* L. [Papayas]. 038905
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil [Black rot, *papayas,* **Metrosideros** collina, Acacia koa]. 038763
Post infection changes in nitrogen metabolism in virus infected Carica **papaya** L. *[Papayas].* 038905
Ascochyta leaf spot of *papaya* and its **perfect** state [Ascochyta caricae papayae, Mycosphaerella]. 038647

PAPER
Conference **background** *paper:* Agriculture and the Recycle Society. 041592
Penetration of oxygen to milk packed in *paper* **cartons** [Quality]. 032119
Paper **chromatographic** analysis in soil chemistry. 040597
Paper **chromatographic** analysis in air pollution. 041532
Paper **chromatographic** analysis in water pollution. 041533
Paper **chromatographic** analysis in waste chemistry. 041534
Screening for fatty acids in oilseed breeding programmes using lipase and *paper* **chromatography.** 036564
A **circular** *paper* technique for study of microbial growth [Aspergillus niger, Penicillium digitatum, citrus fruits]. 038735
Agriculture & food economic summit; **conference** *paper* [Food prices]. 031628
Economic and social aspects of *paper* **consumption** [in Italy from 1951 to 1974]. 035719
A *paper* **disc** technique for the recovery of Pythium spp. From soil or water. 038750
Application of both *paper* **disk** assay method and TTC [triphenyltetrazolium chloride] test for the detection of antibiotics in eggs. 032065
Sugar **form** *paper* filters [Lignin research]. 035839
Pulp for **hemp** *paper:* mechanical pulp and mechano-chemical pulp [Analysis, properties]. 033197
Paper on **inflation** [Prices]. 031640
A new hydraulic principle for headboxes *[Paper* **machines**]. 035874
Design aspects of manifold-type flow spreaders *[Paper* **manufacture**]. 035879
Effect of polyelectrolyte molecular weight and stock agitation on filler retention *[Paper* **manufacture**]. 035881
Agricultural and food economic summit conference [Food **prices,** *paper].* 031627
The status of water pollution control in the Soviet Union [Pulp and *paper* **production**]. 041670
Current status of *paper* **reprocessing** effluent characteristics and disposal-practices [Water pollution]. 041669
The *paper* **sector** in the European Economic Community and the European Free Trade Association. I. Pulps for paper [Trade and economic aspects, Europe, United States,. 035720

Physicochemical properties of black liquors from sulfate cooking of different species of wood from the forest base of the **Tavdinskii** *Paper-Pulp* Combine. 035816
The paper sector in the European Economic Community and the European Free Trade Association. I. Pulps for *paper* [**Trade** and economic aspects, Europe, United States,. 035720

PAPHIOPEDILUM

Industrially organized production of cut orchid flowers with the **example** of *Paphiopedilum.* 038312
Paphiopedilum **hookerae:** a Bornean rarity with note of a newcollection. 038423
Paphiopedilum **purpuratum** (Lindl.) Pfitz. 036100
A historical note on *Paphiopedilum* **stonei** var. Platytaenium. 036098
Paphiopedilum **stonei:** a noble species. 036101
Paphiopedilum **venustum** (Wall.) Pfitz. 036102
Paphiopedilum **volonteanum** (Sander) Pfitz. 1890 [Plant introduction]. 038424

PAPILIO

Theoretical genetics of Batesian mimicry. II. Evolution of supergenes *[Papilio* **dardanus**]. 039863
Theoretical genetics of Batesian mimicry. III. Evolution of dominance *[Papilio* **dardanus**]. 039864

PAPILLOMA

Self-immunization in the **cutaneous** *papillomatosis* in cattle. 035194
A wet-sieving and flotation technique for the detection of resting sporangia of Synchytrium endobioticum [**potato** *wart* disease] in soil. 038563

PAPRIKA

Use of herbicides for **tomatoes** and *paprika.* 039135

PARACRYSTALLINE

Axial and lateral order of regenerated cellulose fibres. *Paracrystalline* **condition** of cellulose. 035721

PARAFFIN

Physico-chemical properties of natural and *paraffin-adulterated* **bee's** wax. 032925
N-Paraffin **components** of some Gnaphalieae. 037194
Activity of dehydrogenases of the accumulative and continuous culture of the *paraffin* **oxidizing** yeast Candida. 037209
Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on **pure** *n-paraffins* [Industrial production of proteins]. 032013

PARALYSIS

Paralysis in **animals.** 035296
New information on **virus** *paralysis* of bees [Apis mellifera]. 040272

PARAMAGNETIC *see* **MAGNETISM**

PARAMETRY

Application of a *parametric* **model** to simulate flows from an urban watershed. 041425
Peroxidase activity in Golden Delicious apples as a **possible** *parameter* of ripening and senescence [in storage]. 033415

PARAQUAT

Analysis of *paraquat* **formulations** by liquid chromatography [herbicide residues]. 039570
The analysis of *paraquat* [**herbicide**] in urine by high-speed liquid chromatography. 039571

PARASITES

About the ways, directions and evolutionary importance of the reduction of biological structures *[Parasitic* **Angiospermae**]. 035913
Proposal for a new nomenclature of the Sarcosporidia [**Animal** *parasites].* 035287
Chalcid wasps from [cabbage] butterfly [Pieris brassicae] pupae *[Parasites,* **Apanteles** glomeratus, Pteromalus puparum]. 039347
Effect of light-dark cycles on adult emergence in the **aphid** *parasite* Aphidius smithi. 039660
Effects of external and internal **arthropod** *parasites* on domestic livestock production. 039445
Arthropod *parasites* of passerine birds from South Bass Island, Ohio. 039474
Comparative studies on the physiology of leaf, neck and earhead isolates of Helminthosporium sativum Pam., King and **Bakke** *parasitic* on wheat crop in Karnataka. 038748
Notes on *parasitism* of **black** flies (Diptera: Simuliidae) in streams treated with Abate. 039481
Some timely points on *parasite* **control** in strawberry cultivation [Insects, nematodes]. 039073
Number and percentage of some infectious and *parasitic* **diseases** experienced by slaughterhouses, 1971-1973. 035065
The low resolution structure analysis of an acid proteinase from **Endothia** *parasitica* [Fungi]. 037059
External *parasites* in animals and their control [Ticks]. 039458
Influence of *parasitic* **flies** (Phasiidae) upon the genital system Eurygaster integriceps. 039970
Some *parasitic* **fungi** on Cynodon dactylon from Varanasi. 036000
Parasitic **granulomas** in reindeer. A histopathological, parasitological and bacteriological study. 035173
The ecology and behavior of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a **host** and its *parasites.* 039914
Temporal patterning of courtship behaviour in some *parasitic* **Hymenoptera,** with special reference to Melittobia acasta. 039839
Intestinal *parasites* and commensal protozoa in foodhandlers from the central area of the city of Concepcion, Chile [Food sanitation]. 031970
Shrews: a review of the diseases, anomalies, and *parasites* [**Laboratory** animals]. 034911
Comparative studies on the cells of nutritive tissue of the young gall Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue **left** by the *parasite.* 039231
The structure and *parasitic* **life** cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: Ixodidae) [Dairy cattle, pests]. 039470
Parasitic **mites** of Surinam. XXXII. New species of feather mites (Sarcoptiformes, Analgoidea). 040082
Parasitic **nematodes** associated with cultivars and clones of banana and plantain in Venezuela. 039043
A dominant gene conferring disease resistance to tobacco plants is expressed in tissue cultures [**Phytophthora** *parasitica* nicotianae, black shank]. 038759
Screening tobacco seedlings for resistance to **Phytophthora** *parasitica* var. nicotianae [black shank]. 038773
Ultrastructure of the esophageal procorpus in the **plant** *parasitic* nematode, Tylenchorhynchus dubius, and functional aspects in relation to feeding. 038968
Plant *parasitic* nematode genera associated with sesame (Sesamum indicum L.) in Venezuela. 039044
Plant *parasitic* nematodes on roses [Rosa] in Danish glasshouses. 039067
Autumn oil yielding **plants** and *parasites.* 039062
Spring oil **plants** and *parasites.* 039063
Christmas greenery for restaurants, Viscum [album, *parasitic* **plants**]. 039147
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of **Poland** *parasite* of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
Linospora ceuthocarpa (Fr.) Munk ex Morelet, a *parasite* of **poplar** [Populus] leaves. 038612
Parasites, **predators,** and population dynamics [of insect pests of plants]. 039221
Parasite **problems** in the biological regulation of mass increase of forest insects. 039376
The biology of Harveyella mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the *parasitic* **red** algae, Harveyella mirabilis. 036112
Parasites in **reindeer** calves—feces examination. 035172
Genetic control of immune responses to *parasites:* selection for **responsiveness** and non-responsiveness to [the nematode] Trichuris muris in random-bred mice. 035180
Energetics of a *host-parasite* **system:** a preliminary report [Hymenolepis diminuta, rats]. 035091
Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a *parasite* of **ticks** [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. 039483
Bacillus thuringiensis preparations harmless to the *parasite* **Trichogramma** cacoeciae (Hymenoptera, Trichogrammitidae) [Plant insect pests, biological control]. 039247
Trehalose and glucose levels in the hemolymph of Heliothis **virescens** *parasitized* by Microplitis croceipes or Cardiochiles nigriceps. 039271

PARASITIFORMES

On the fauna of predatory mites of **Phytoseiidae** *(Parasitiformes)* from the Yaroslavl district [New taxa]. 040053
The absolute registration of pasture ixodid **ticks** *(parasitiformes,* Ixodidae) from the eastern slope of Sikhote-Alin. 039502

PARASITOIDEA

The amino acid requirements for larval development of the **hymenopterous** *parasitoid* Exeristes roborator Fabricius (Hymenoptera: Ichneumonidae). 039681
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their *parasitoid,* **Rhyssa** persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. 039705

PARATHION

Parathion **poisoning** in cattle. 035429

PARATHORMONE

125I [iodine isotope] radiolabelling of 1-34 N terminal tetratriacontapeptide of bPTH [**bovine** *parathormone]* with high specific activity and without destroying biological activity. 034122

PARATHYROID *see* **THYROID**

PARATUBERCULOSIS

Paratuberculosis, **symptomatology** and favoring factors [Cattle]. 034989

PARENCHYMA

The subcellular distribution of 239Pu [plutonium isotopes] in rat **liver** *parenchymal* cells after exposure in vivo and invitro. 033913
The effects of ductal ligation on the *parenchyma* of **salivary** glands of cat studied by enzyme histochemical methods. 033918
Intercellular spaces of **storing** *parenchyma* studied by electron microscopy in Beta vulgaris [Sugarbeets]. 037428
On the polylamellate structure of *parenchyma* **wall** in PHyllostachys edulis Riv. 035775

PARENT

The influence of *parental* **age** on the genetic quality of the progeny of mice. III. The mortality of progeny in succeeding generations. 034621
The influence of *parental* **age** on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced chromosome translocations in the male germ cells. 034622
A study on the number of ovules per fruit set in tomato (Lycopersicon esculentum Mill) hybrid combinations and the **corresponding** *parent* cultivars [Heterosis]. 036472
Reflexions on the choice of the *parents* and some ways of **developing** new rice varieties (Oryza sativa L.). 037964
Combining ability analysis of near-homozygous lines derived from a *12-parent* **diallel** cross in oats. 036425
Reciprocal crossing of Culex pipiens pipiens with Culex pipiens molestus and the development of *parental* and **hybrid** generations. 039915
Effect of different *parent* **materials** on some soil characteristics of Mohindergarh District (Haryana). 040560
Breeding potentials of noncultivated cottons. I. Some agronomic and fiber properties of **selected** *parents* and their F1 hybrids. 036422
Training of vines on *parental* **stocks** of intensive-type scion grapevines. 038476

PARENTERAL

The effects of copper supplementation on stock health and production. 3. The effect of *parenteral* **copper** on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
Oral feeding versus **total** *parenteral* nutrition in low birthweight infants. 032427

PARKS

Type A lunches win high marks at **Bethel** *Park* Schools. 032575
Vegetative history of **Cinnabar** *Park* in Medicine Bow National Forest, Wyoming [as related to soil characteristics]. 040784
Physiological differences among populations of Anthoxanthumodoratum L. collected from the *Park* **Grass** Experiment, Rothamsted. IV. Response to potassium and magnesium. 037471
Nature requires an act of humility on our part [**National** *parks,* conservation]. 033730
Possibilities of limiting the damage done by game in the Tatra **National** *Park.* 035504
The Meissner **National** *Park*—the Kaufung Forest. 035604
Scientific research at the Vanoise **National** *Park.* 4. [Plant ecology]. 036171
A comparison of the production of the ground flora and of the rate of organic fall in two areas of the association Circaeo-Alnetum Oberd., 1953, in the Bialowieza **National** *Park.* 036922
The biomass of the root systems of the pine and oak in the Kampinos **National** *Park* [in the association Vaccinio myrtilli-Pinetum typicum]. 037909
Variation in the fall rate of plant debris from trees in the association Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos **National** *Park.* 037910
Moths of the families Sphingidae, Notodontidae and Agaristidae observed in Ku-ring-gai Chase **National** *Park,* New South Wales. 039985
Fauna Argentinensis . VII. The Nahuel Huapi **National** *Park.* 316. Contribution to the morphology and systematics of the Scolytoidea. 040144
Excursions through the Elbufer-Drawehn **National** *Park.* 041618
The Altmuhltal **National** *Park:* organizational plan [Bavaria]. 041619
National *parks:* the dilemma of development. 041656
The Bieszczady **National** *Park.* 041667
[National] *parks* in **Poland.** 041488
Westensee and Hutten Mountains: two [national] *parks* in **Schleswig-Holstein.** 041620

PARLATORIA

Development cycle and life tables of *Parlatoria* **blanchardi** Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. 039333

PARMELIA

Parmelia **subgenus** Amphigymnia in Ethiopia [New taxa]. 036084
Parmeliaceae, with the exclusion of *Parmelia* and **Usnea,** in East Africa. 036085

PARMELIACEAE

Parmeliaceae, with the **exclusion** of Parmelia and Usnea, in East Africa. 036085

PAROTID

Membrane potential changes and secretion in *parotid* **glands.** 033954
A Ca++ [calcium ions] ionophore A 23 187 simulating hormone and neurotransmitter action in the **rat** *parotid* and pancreas glands. 033947
Autonomic regulation of secretory activity and growth responses of **rat** *parotid* gland. 033948
The composition and flow of *parotid* **saliva** during acute hyperkalemia in sodium-deficient sheep. 034163

Ductal reabsorption of Na [sodium] in 1:1 exchange for K [potassium] in **sheep** *parotid* gland. 033934

PARSLEY

Structure and mechanism of action of uridine diphosphate apiose/ uridine Diphosphate xylose synthase from cell-suspension cultures of *parsley* **(Petroselinum** hortense). 037873

PARTHENOCISSUS

Modification of metabolism in Virginia creeper *[Parthenocissus* **tricuspidata]** leaves from sunny or shaded exposures. 037141

PARTHENOGENESIS

Apomixis in **coffee** [Parthenogenesis]. 036551

PARTICLES

Economy of high frequency-preheating chip mats in *particle* **board** production. 035763
Engineering aspects of the coagulation of **colloidal** *particles* in natural waters. 041634
Theoretical model of the repulsion of a *particle* by a **freezing** front in movement and experimental study [Food technology]. 032759
The deposition of *particles* on **moss** [Hypnum cupressiforme] and grass surfaces [Indicator plants]. 036176
Optical diffraction from *particles* of **Narcissus** mosaic virus. 038920
Characterization of the **phytochrome-containing** *particles* obtained by glutaraldehyde prefixation of maize coleoptiles. 037477
The electrokinetic properties of isolated **secretroy** *particles* [Exocytosis]. 033962
Particle **sizes** of fluid feeds. 033494
Distribution of plutonium in **soil** *particle* size fractions of liquid effluent-receiving areas at Los Alamos [Radioactive contamination]. 041605
Model study of the drag coefficient of a **streambed** *particle* [Sedimentation]. 041376
Small spherical **virus** *particles* found in rice plants infected with the "waika" disease. 038885
Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of **virus** *particles* recovered from inoculated leaves. 038926
Detection of **virus-like** *particles* in the coremia of Penicillium claviforme [Fungi]. 038893
Demonstration of **virus-like** *particles* in sweet chestnut [Castanea savits] and oak [Quercus cerris] with leaf deformations in Hungary. 038945
Concrete with **wooden** *particles.* 035762

PARTICULATE

A semiautomated procedure for the determination of phosphorus in water, waste **waters** and *particulates.* 041459

PARTITION

Differential influences of CNS [central nervous system] and superficial body temperatures on the *partition* of **cutaneous** blood flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. 034125
Effect of garlic bulb extract on flowering, sex ratio, and yield of squash. I. Effect of different fractions of *partitioned* **garlic** bulb extract on flowering in squash. 037688
Partition of **information** [in plant sciences]: some formulae revisited. 035911

PARTURITION *see* BIRTH

PASPALUM

The effects of temperature and day length on the growth of dallisgrass (Paspalum dilatatum Poir.) and **bahiagrass** *(Paspalum* notatum Flugge.). 037380
Studies on the effects of overseeding of Italian-ryegrass [Lolium multiflorum] on the production of knotgrass sward *[Paspalum* **distichum].** 037986
Determination of the toxicity and phytotoxin of some cover crops [Indigofera, *Paspalum* **notatum]** inhibiting the growth of banana. 039136

PASSIFLORA

Passiflorine, a new glycoside from *Passiflora* **edulis** [Granadilla]. 037807
Earliness of production of the purple passion **fruit** *Passiflora* edulis Sims. in Reunion. Prospects for production. 038300
An investigation of the amino acids of *Passiflora* **incarnatacultivated** in Georgia. 036871

PASSIVE

Diagnostic effectiveness of *passive* **hemagglutination** reaction and antibody neutralization reaction in brucellosis. 035234
Passive **transfer** of heterologous immunity in avian malaria [Chickens, Plasmodium relictum]. 035099
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) *passively* **via** lymphoid cells and/or serum [Pekin ducklings]. 035217

PASTE

Influence of proteins, mucilaginous compounds, and lipids on **rye** *starch-paste* formation. 033155
Changes in lipid components of miso-dama koji **[Soybean** *pastes,* yeasts]. 033264
Viscosity characterization of unmodified cassava **starch** *paste.* 033426

PASTEURIZATION

Pasteurization of beer. 2. Determination of furfural, an indicator of intensity of *pasteurization* and **aging** of beer. 032906
Domiati cheese from *pasteurized* **milk.** I. Curd formation. 032934
The keeping quality of *pasteurized* **table** milk. 033005
Ultrahigh **temperature** *pasteurization* increases starter activity [Milk]. 032958

PASTURES

Bugiyals need urgent care **[Alpine** *pastures].* 038026
The importance of **Alpine** *pastures* as managed ecosystems. 038182
Forests **and/or** *pastures?* [Ecological equilibrium, conservation, reforestation]. 035458
Grazing of beef cattle in the forest **combined** with *pasture.* 034270
Weeds in *pastures* **[Control,** herbicides]. 039096
Cultivated *pastures* on the slopes of ravines [Soil erosion control, tillage]. 041167
Clover and lice [Anoplura, Mallophaga] in *pasture* **cultivation.** 039304
Prediction of soil water content changes in [irrigated and non-irrigated] Pangola grass [Digitaria **decumbens]** *pastures.* 040842
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, silage and *pasture* **differing** in digestibility. 034400
Preparation of rams for the mating campaign on **distant** *pastures.* 034853
Supplemental feeding of steers on **everglades** *pasture.* Effect on pasture and feedlot performance and economics of production [Income]. 034350
Biological test of fodder quality after *pasture* **fertilization** experiments. 034506
Spread of animals on the *pasture* as a **function** of group behaviour [Grazing]. 034190
Land preparation of Imperata savannah or **grass** *pastures* [which is to be planted in oil palm or coconut]. 038091
The dynamics of carotene formation in plants as related to the level of nitrogen nutrition and irrigation [of *pasture* **grasses].** 037342
Some possible effects of dung beetle activity on the infestation of *pastures* by **intestinal** worm larvae of cattle. 039469
Irrigated *pastures* in the Transcarpathian Region [Grass yields]. 041359
How to regulate the system of *[pasture]* **irrigation.** 041358
The absolute registration of *pasture* **ixodid** ticks (parasitiformes, Ixodidae) from the eastern slope of Sikhote-Alin. 039502
Lime and peat-mineral-ammonia fertilizers on drained *[pasture]* **lands.** 041005
Intensification of meadow and *pasture* **management** in Leningrad Region [Farm management]. 031345
Economic implications of producing beef calves with various *pasture* **management** systems [Costs, returns]. 031482
Attention to feed quality [Productive capacity of agriculture, *pasture* **management].** 031890
Effective exploitation of each hectare of land [Productive capacity of agriculture, Five-Year Plan, *pasture* **management** of sheep]. 031891
Effects of *pasture* **management** systems and season of breeding on reproductive performance of beef cattle. 034724
Pasture **management**—key to efficient dairy industry. 037988
Grass: the key to self-sufficiency? *[Pasture* **management].** 037998
Grazing areas *[Pasture* **management].** 038013
Green forage production line for sheep *[Pasture* **management].** 038058
Two yields per year [Forage plants, *pasture* **management].** 038065
Pasture **management** systems for improved calf production [Grazing]. 038079
Year round grazing with a beef cow herd *[Pasture* **management].** 038080
A model to improve forages rationally for dairy cows *[Pasture* **management].** 038143
Magnesium supplementation of beef cows on *pasture* with **mixtures** containing different levels of cottonseed meal. 034472
Application of the energy principle to determine the amount of vegetation consumed by Orthoptera in the **mountain** *pastures* of eastern Georgia. 036249
Scarabaeidae in two **mountain** *pastures* in Poland and Bulgaria. 039998
Control of soil erosion on **mountain** *pastures.* 041166
Nutrient content and digestibility of **permanent** *pasture* [Beef cattle]. 034446
A comparison of rations for suckling lambs on heavily stocked **permanent** *pastures.* 034464
Studies on competition between grasses and legume in mixed sward [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between *pasture* **plants** grown under the isolaled culture system. 036243
Sulphur supplying power of Japanese grassland soils. An outline of sulphur survey of grassland soils and *pasture* **plants.** 040680
Current notes on the cultivation of *pasture* **seed.** 038163
Time for *pasture* **seed** harvest. 038168
Fertilization, irrigation and yield of **sheep** *pastures.* 038057
Effects of storage on the activities of protease, urease, phosphatase, and sulphatase in three **soils** under *pasture.* 040702
Carbohydrate concentrates as an essential additive for cows on **sown** *pastures.* 034508
Mobile sprinklers for the irrigation of **sown** *pastures.* 040471
Effect of level of supplemental energy fed grazing steers on performance during the *pasture* and **subsequent** drylot period. 034406
Transition from [winter feeding] to *pasture* and **summer** feeding of dairy cows. 034434
High **valley** *pastures* of Menotre [Flora]. 035957
New type of grass meter for *pasture* **yield** estimation. 038053

PATHOGENESIS

A new 7-day spore sampler [for collection of **airborne** *pathogenic* fungi]. 038760
Three suction-type spore samplers [for collection of **airborne** *pathogenic* fungi]. 038775
Viruses *[pathogenic* to **animals** and plants; research projects, Italy]. 035102
The structure of pili (fimbriae) of Moraxella bovis **[Bacteria** *pathogenic* to animals, infectious keratitis]. 035039
Metabolite of Ceratocystis ulmi and its association with *pathogenicity* [Great **Britain].** 038820
On the delay of intraventricular conduction in the race horse—discussion of its *pathogenesis* and **causes.** 035300
Pathogenicity of **Cercosporella** herpotrichoides to wheat, barley, oats and rye [Eyespot disease]. 038821
Pathogenicity and **control** of root-knot nematodes (Meloidogyne spp.) infecting chickpea. 039037
Gibberellin promotion of physiological leaf spot *[non-pathogenic* **disorders]** in detached 'Golden Delicious' apple leaves. 037793
Life cycle and *pathogenicity* of **Emeria** acervulina [in poultry]. 035080
Wheat gluten as a *pathogenic* **factor** in schizophrenia [Cereal grain-free and milk-free diet]. 032458
The concept and circumscription of Ganoderma tornatum [and Ganoderma applanatum, **fungi** *pathogenic* in Palmae]. 036162
The biology and *pathogenicity* of **fungi** causing moulds on avocados after harvest. 038623
The control of moulds on avocado and its effect of the change in the flora of *pathogenic* **fungi** on the fruit. 038624
Incidence of *pathogenic* **fungi** on leaves [Sesame]. 038692
Occurrence of *pathogenic* **fungi** on trees incorrectly transplanted at an older **age.** 038744
Problems of biochemistry of [fungal] *pathogenesis* and **immunity** in plants. 038807
On the *pathogenesis* of **Leveillula** taurica Arn. [Powdery mildew, Solanaceae, leeks]. 038608
Two types of conidia of Colletotrichum graminicola (Ces.) G. W. Wils. formed on artificial media, and their *pathogenicity* [to **maize].** 038574
Infection and pathological histology of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with *pathogenic* and **nonpathogenic** formae speciales of Fusarium oxysporum. 038839
Preliminary studies on the variability among Sclerotium cepivorum Berk. isolates in their toxin(s) production and *pathogenicity* [to **onions].** 038560
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its biological activity towards the **plant** *pathogenic* fungus, Phytophthora cinnamomi]. 037180
Induction of outgrowth formation on storage roots of sweetpotato due to **plant** *pathogenic* bacteria. 038870
Selective solubilization with sodium deoxycholate of membrane proteins from Spiroplasma citri **[Plant** *pathogenic* mycoplasma-like bacteria]. 038890
A biochemical study of tobacco blue mould [Peronospora tabacina] *pathogenesis.* VI. On some **resistance** factors. 038606
Studies on selected hosts of Rotylenchulus reniformis and its *pathogenicity* to **soybean** (Glycine max) [Nematodes]. 039045
Pathogenic **Staphylococci** associated with contamination of market **eggs.** 032086
Quality of proteins in Verticillium dahliae Klebahn and Fusarium oxysporum f. vasinfectum **strains** with different *pathogenicity.* 038808
Pathogenic **types** of potato nematodes. 039025
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) *pathogenic* for **vertebrates** [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492
Polysaccharide-degrading ability of rice blast fungus [Pyricularia oryzae] of a different *pathogenicity* and **virulence.** 038573

PATHOGENS

Verticillium wilt of strawberry. II. Study of the diffusion of the *pathogen* **agent** in the stolon tissues and in young plants. 038729
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and **fungal** *pathogens].* 037919
Interactions of nematodes with other *pathogens* **[Fungi,** bacteria] attacking plants in the Western States. 039065
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and *pathogen* **genotype** in Phytopphthora [megasperma] root rot of alfalfa. 038768
Dynamics of complement-linked antibodies in Nuttalia [equi]infestation and the freeing of the **horses** from the *pathogen.* 035237
Variability of host and *pathogen* in **hypoxylon** [mammatum] canker of aspen [Populus tremuloides]. 038591
Larvae of Calliphoridae as *pathogens* of **myiasis** in guinea pigs. 039490
Interference between the *pathogen* of **Newcastle** disease in poultry and the Rous sarcoma virus in vitro. 035205
Effect of foliar application of chemicals on the survival of **plant** *pathogens* in the rhizosphere of two crop plants [Sorghum, Crotalaria juncea]. 038683

Weed control with **plant** *pathogens* and nematodes. 039105

PATHOLOGY

Studies on experimental vitamin A deficiency in **chicks**—*pathology*. 035324
The occurrence and *pathology* of **chlamydiosis** [Chlamydia] indomestic and laboratory animals: a review [Bacterial diseases]. 035176
The significance of the serotype in the clinical and *pathological* **features** of naturally occurring porcine salmonellosis [Salmonella choleraesuis kunzendorf, Salmonella typhimurium]. 035038
Pathological **growth** and maturation in infants and children associated with modern methods of feeding. 032218
Infection and *pathological* **histology** of pigeon pea (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
Brugia pahangi: susceptibility and **macroscopic** *pathology* of golden hamsters. 035058
Energy migration from photoreceptors of green region light (500-540 nm) to the main pigments of photosynthesis in [plant] *pathology* [**Phoma** tracheiphila]. 038812
Presidential address: **plant** *pathology* in a changing world. 039069
Research on the poisoning of chickens by mercury administered with drinking water. I. Evaluations of growth and feed consumption; clinical **remarks;** *anatomico-pathological*. 035402
Bovine respiratory syncytial virus in bovine **respiratory** *pathology*. 034987
The whey proteins as indicators of the physiological or of the *pathological* **status** of the mammary gland. 033747
Pathological **studies** on nephrolithiasis in buffaloes (Bubalus bubalis). 035329
The *pathology* of **subacute** methylmercurialism in swine [Toxicosis]. 035403

PATHOPHYSIOLOGY

Pyometra [metritis] in the dog; a *pathophysiological* **investigation.** I. The pyometra syndrome [caused by a combination of hormonal and microbial factors]. 034917

PATHWAYS

Biosynthetic *pathway* of cucumber alcohol: trans-2,cis-6-nonadienol via cis-3,cis-6-nonadienal. 037804
Glucose repression of the inducible **catabolic** *pathway* for pentitols in Rhodotorula gracilis [Fungi]. 037305
Regulatory action of blue light on the activity of carboxylating enzymes and enzymes of the **glycolate** *pathway* in broadbean and maize plants. 037449
State agriculture on the *path* of **intensive** development. 031906
Ribosomal cistrons in higher plant cells. I. A definitive scheme for the **maturation** *pathway* of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus cells. 037894
Effects of asparagusate and lipoate on enzymes of the tricarboxylic acid cycle and related **metabolic** *pathways* [Asparagus]. 037764
Wheels roll on **permanent** *paths* [Equipment]. 040531
Pathways of **pyrimidine** salvage in Drosophila melanogaster. 039943
A survey of tracks and *paths* in a **sand** dune ecosystem. II. Vegetation. 036216
A survey of tracks and *paths* in a **sand** dune ecosystem. I. Soils. 040667
Neuronal activity in the lateral vestibular nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the **spino-olivocerebellar** *pathway*. 034133
A hydraulic triaxial apparatus for controlled **stress** *path* testing [Soils]. 040580
Introduction: *paths* **taken** by historic and genetic [land] settlement research. 031179
Cysteine sulfinate carboxylase in the **visual** *pathway* of adult chicken. 034100

PATTERNS

Comparative properties and **action** *patterns* of the hemicellulases from the phytopathogens Ceratocystis paradoxa and Cephalosporium sacchari. 038817
Cycling **aggregation** *patterns* of cytoplasmic F-actin coordinated with oscillating tension force generation [Physarum polycephalum, fungi]. 036300
Pattern **analysis** in field experiments. 031751
Pattern of **binding** of tritiated actinomycin D to Phaseolus coccineus [scarlet runner beans] polytene chromosomes. II. the entire chromosome complement. 036492
Scutellar **bristles** *pattern* in Drosophila melanogaster. 039765
The effects of defoliation on the *pattern* of 14C [**carbon** isotope] assimilate distribution in the long peach shoots. 037687
Plant-induced soil **chemical** *patterns* in some shrub-dominated semi-desert ecosystems of Utah. 036222
Studies on lichen-dominated systems. XVI. **Comparative** *patterns* of net CO2 [carbon dioxide] exchange in Cetratia nivalis and Alectoria ochroleuca collected from a raisedbeach ridge. 036859
Income and resource productivity of alternative rice farm **cropping** *patterns* in Bicol. 031471
A **cropping** *pattern* for uplands of Orissa [Rice, maize, mustard]. 038024
A new **cropping** *pattern* with jute. 038025
Diversify **cropping** *pattern* in rabi by sowing raya [Leguminous oil crop]. 038124
DDT analog **depletion** *patterns* in steers [Gin trash, residues]. 039566
Pattern of **dry** matter accumulation and distribution in finger millet genotypes in relation to levels of spacing and nitrogen. 038084
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by **electrophoretic** *patterns* of cellulase, pectin-lyase, and acid proteinase [Fungi]. 037253
Flash *pattern* recognition in fireflies [Photinus macdermotti]. 039861
Emerging **food** *patterns:* coping with reality [Nutritional labeling]. 032124
G-band *patterns* of swine chromosomes. 034674
Geographical *patterns* of evolution in neotropical Lepidoptera. Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091
Patterns in **gymnosperm** evolution [Paleobotany]. 036132
Role of allelopathy as expressed by dominating trees in a lowland forest in controlling the productivity and *pattern* of **herbaceous** growth. 037888
Introduction to the study of **horizontal** *patterns* in steppes. II. Statistical treatment of transcets of contiguous quadrats [Artemisia herba-alba]. 036239
Isozymes *patterns* and enzyme activity of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the wild type of Drosophila melanogaster. 039910
Palletization/unitization [**Loading** *patterns* and their relationship to refrigeration in food transit]. 031668
Major *patterns* of gene activity during development in holometabolous insects. 039610
A study of the host selection *patterns* of the **mosquitoes** of the Kisumu area of Kenya [Vectors of disease to man]. 039511
Puffing *patterns* during the fourth larval instar in Chironomus pallidivittatus salivary glands. 039677
The control of prepupal **puffing** *patterns* in vitro; implications for prepupal ecdysone titres in Drosophila melanogaster. 040218
Soil insects [Collembola] as indicators of use *patterns* in **recreation** areas. 035563
A review of **reproductive** *patterns* in New World monkeys [Laboratory animals]. 034710
Sawing *pattern* effect on warp loss of hard maple [Acer saccharum] dimension stock. 035748
Agricultural potentials in relation to changing **social** *patterns*. 031132
Genetic approach to the acoustic communication system of grasshoppers. I. **Song** *pattern* of interspecific hybrids between Chorthippus biguttulus and Chorthippus mollis. 039829
Food **spending** *patterns* of Southern black households. 032221
The effect of various *pattern* of **stimulation** on the activity of the mechanoreceptors in Achet a domesticus L. 039608
Use of the method of "diffusion capsules" for studying the *patterns* of **synthesis** of some hydrolytic enzymes by microorganisms [Trichoderma lignorum]. 037004
Taxonomic *patterns* in amino-acids of Acacia seed globulins [from Australian species]. 036114
The quiescent center and primary vascular **tissue** *pattern* formaton in cultured roots of Zea [mays, maize]. 036295
Co-ordinating interneurones of the locust which convey **two** *patterns* of motor commands: their connexions with flight motoneurones. 039845
Co-ordinating interneurones of the locust which convey **two** *patterns* of motor commands: their connexions with ventilatory motoneurones. 039846

PAULOWNIA

The trichomes of *Paulownia* of **Taiwan.** 036353

PAVEMENT

Stinging of man by the *pavement* **ant,** Tetramorium caespitum (L.) is painful and the reaction lasts for several days. 039466
A midge [Dasyhelea lithotelmatica] (Diptera, Ceratopogonidae) new to Britain that is abundant in the **limestone** *pavement* of the Yorkshire Pennines. 040010

PCNB

Further determination concerning breakdown of *PCNB* [**pentachloronitrobenzene**] in head lettuce cultivated under glass. 039596

PEACHES

Structure elucidation of gibberellin A32 and its **acetonide** *[Peaches].* 037620
The structure of *peaches* and **Aesculus** pavia after various freezing and thawing treatments. Relation with quality. 033352
F1 hybrids of *peach* and **almond** [Prunus amygdalus] trees as models for both species. 036383
Effects of harvesting methods on the quality of the **canned** *peaches* [Damage, keeping quality]. 038463
The **canning** *peach* in Murcia [Culture, varieties]. 038241
Soup to salad, *peaches* **cling** to any dish. 032637
Irrigation of *peaches:* **comparison** of three methods after two years of testing. 041345
The symptoms of micronutrient deficiency in *peach* and their **control.** 039053
Western chicken teriyaki with **curried** *peaches.* 032614
Comparative study of U-shaped top and palmate trained treesof the Dixie **Gem** *peach* variety. 038355
Breeding behavior of resistance to **green** *peach* aphid [Myzuspersicae] in tuber-bearing Solanum germplasm [Potatoes]. 036387
Controlling **green** *peach* aphids [Myzus persicae] on potatoes. 039330
Determination of levels of nitrogen nutrition for *peaches* at different **growth** periods by the method of foliar diagnosis. 037623
A **high-density** *peach* orchard [Planting, pruning, Canada]. 038357
Changes in the chlorophyll, plastoquinones and ubiquinone content of the peach leaves (cv. *Elberta)* **infected** by Taphrina deformans (Berk.) Tul. 038758
Late-ripening *peach* cultivars: remarks on some new cultivars that should replace the [variety] J. H. Hale [in Italy]. 038383
Changes in the chlorophyll, plastoquinones and ubiquinone content of the *peach* **leaves** (cv. Elberta) infected by Taphrina deformans (Berk.) Tul. 038758
Chemical weed control in *peach* **orchard.** 039185
Organophosphorus resistance in a *peach* **orchard** population of predacious mites [Acarina, Phytoseiidae]. 039339
Mechanization for *peach* **orchard** management. 040491
High density "tree walls" [in apple and *peach* **orchards].** 038363
Isolation of gibberellins A5, A32, A32 acetonide and (+)abscisic acid from Prunus **persica** *[Peaches].* 037619
Technical and sanitary aspects on the control of brown rot [Monilia] of *peaches* and **plums** [Fungicide residues]. 038727
The effects of defoliation on the pattern of 14C [carbon isotope] assimilate distribution in the long *peach* **shoots.** 037687
Peach **tree** culture in Lerida. 038240
The *peach* **tree** [Prunus persica] and its culture. 038264
New fruit pests: the oriental fruit moth, Grapholitha (Laspeyresia) molesta Busch, on the *peach* **tree.** 039311
Peach [**varieties**] for consumption and for processing, nectarines: situation and prospects for culture in Italy, according to results of a special survey. 038385

PEANUTS

Protein and amino acid changes in *peanut* (**Arachis** hypogaea L.) seeds infected with Aspergillus oryzae. 032341
Effects of B-9 (N-dimethyl-aminosuccinamic acid) on growth and yield of *peanuts* (**Arachis** hypogaea L.). 037468
Changes in proteins and free and total amino acids of *peanuts* (**Arachis** hypogaea) infected with Aspergillus parasiticus. 038582
Cytogenetic relationships and barriers to gene exchange in **Arachnis** *[Peanuts].* 036611
Popularity of *peanut* **butter** is spreading. 032634
Formed *peanut* **butter** slice—process development seeks a product. 033223
Seed selection for potential viability [Kidney beans, *peanuts,* **cotton**]. 037780
Fructose 1,6-bisphosphate aldolase activity of Rhizobium species [Nodule bacteria from lupine, *peanuts* and **cowpeas**]. 036947
Transformation factor from carbon dioxide net assimilation to dry weight in **crops.** II. *Peanut.* 037546
Lime-induced iron chlorosis in groundnut: treatment and prevention [Deficiency **diseases,** *peanuts].* 039050
Aseptic culture of soybean and *peanut* **embryonic** axes to improve phytosanitation of plant introductions [to control virus diseases]. 038939
Evaluation of the amino acid content and the proximate composition of several varieties and **grades** of *peanuts.* 033571
Dimensional changes in *peanut* **pods,** kernels, and hulls as moisture is removed during drying. 033165
Peanut **proteins** as food supplements. 032383
Field crops performance tests cotton-forage crops summer annuals, *peanuts-soybeans,* **tobacco,** 1975 [Varieties, yields]. 038142

PEARL

Influence of different hydrothermal-treatment methods on the protein complex of *pearl* **barley.** 033154

PEARLMILLET

Ergot disease *[pearlmillet]* of **bajra** and its control. 038614
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, *pearlmillet,* **cotton,** maize]. 040657
Effect of variable plant heights and stump heights on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, *pearlmillet]* **hybrid** (NB-21). 038031
During winter grow berseem [Egyptian clover] in napier bajra *[pearlmillet]* **hybrid.** 038125
Main diseases of *pearlmillet* and **sorgum** in Cameroon. 038951

PEARS

Determination of maturity in 'Le Conte', 'Shoubra' and 'Pine **Apple'** *pear* varieties. 037642
Development and properties of streptomycin resistant cultures of Erwinia amylovora derived from English isolates [from *pear,* **apple** and hawthorn trees]. 038864
[Negative] changes in stored pomaceous fruit [Storage diseases, **apples,** *pears].* 033408
Studies on the microspore genesis date in some varieties of **apples** and *pears.* 037725
Extraction and purification of tRNA from fruit tissues [of tomatoes, *pears,* and **apples**]. 037805
Changes in isoperoxidases during cold treatment of **dormant** *pear* embryo. 037810
Development of new forms of *pear* from **embryos** cultured in vitro. 037850
New method for *pear* **grafting.** 038397
Change in activity of certain oxidative enzymes in apples and *pears* during **growth** and ripening. 037719

Nature of specific susceptibility to Alternaria kikuchiana in Nijisseiki cultivar among **Japanese** *pears.* IV. Target tissues of Alternaria kikuchiana toxin and their characteristic responses. 038733
Stock-scion relationship in some compatible and incompatible unions of **nursery** *pear* plants. 038293
A bibliography on the *pear* **psylla,** Psylla pyricola (Homoptera: Psyllidae). 039321
Temperature **requirements** of *pears.* 037713
An isolate of the *pear* **scab** fungus, Venturia pirina, tolerant to benzimidazole fungicides. 038630
On dependence of fruit weight upon the number of seeds in *pear* **trees.** 036366
Effects of SADH [Alar] fall sprays on the fruit set and **yield** of *pear.* 037837

PEAS

Respiratory measurements as indicators of field emergence **ability** in *peas.* 037846
Varietal resistance of gram *[peas]* to **Ascochyta** [rabiei] blight. 038720
Triplet states of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney **beans,** *peas].* 037685
Double-headed protease inhibitors from **black-eyed** *peas.* I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Double-headed protease inhibitors from **black-eyed** *peas.* II. Structural studies by optical absorption and circular dichroism. 037769
Double-headed protease inhibitors from **black-eyed** *peas.* III. Subunit enteractions of the native and half-site chemically modified proteins. 037770
Double-headed protease inhibitors from **black-eyed** *peas.* IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. 037771
Double-headed protease inhibitors from **black-eyed** *peas.* V. Analysis of the energetics of protease-inhibitor interactions. 037772
Double-headed protease inhibitors from **black-eyed** *peas.* VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
Laboratory technique for **bleaching** *pea* seeds [Identifying bleach-resistant selections]. 036434
Evaluation of fungicides for the control of gram *[peas]* **blight** [Ascochyta rabiei]. 038687
Control of broomrape [Orobanche crenata] in **broadbean** and *pea.* 039154
High yields of *peas* [in the **Cherkassy** province]. 038536
Lipid composition in photosystem I-containing fragments of *pea* **chloroplast** intergrana and grana thylakoids. 037704
Lipoxygenase of **chloroplasts** *[Peas].* 037679
Study of the localization of RNA synthesis in fine structure of **chloroplasts** *[Peas].* 037682
Fluorescent method for quantitative determination of flavonols and indols in Pisum sativum *[pea]* **chloroplasts.** 037703
Redox conversions of cytochrome f in isolated **chloroplasts** of *pea.* 037866
The pigment fund of *[pea]* **chloroplasts** as a function of the spectral composition of light. 037867
Characteristics of chloroplast DNA-protein **complex** *[Peas].* 037743
Cytochrome b-563 redox changes in intact CO2- [carbon dioxid]-fixing spinach chloroplasts and in **developing** *pea* chloroplasts. 037652
The role of phytoalexin as the inhibitor of infection establishment in plant disease *[Peas,* **Erysiphe].** 038756
Chloroplast messenger RNA from **etiolated** *pea* seedlings. 037745
Mutability of the **garden** *pea* and tomato with chronic gamma-irradiation of the plants and the acute irradiation of the seeds. 036681
Structural organization of chloroplast polyribosomes in connection with biogenesis of thylakoids of **grana** *[Peas].* 037681
The effect of fertilizer application to *peas* **grown** for grain, in various soil and climatic areas in Bulgaria. 041033
Peas—**insect** and disease control. 038947
Significance of triton-extractable membranes for IAA [indoleacetic acid]—chromatin **interactions** *[Peas].* 037887
Peculiarities of the growth and development of **introduced** *pea* specimens under north Bulgaria and Sofia plain conditions. 037829
Effect of indoleacetic acid on the photophosphorylation of **isolated** *pea* chloroplasts. 037660
Auxin-like activity of 1,2-benzisothiazole derivatives [in *pea* and **Jerusalem** artichoke tissues]. 037803
About the major changes in the varietal zoning of grain legumes *[Peas,* **kidney** beans, chickpeas]. 038535
Some regulatory properties of *pea* **leaf** carbamoyl phosphate synthetase. 037815
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal [rats] and plant *[pea* **leaves]** tissues. 034195
Isolation of chloroplasts and chloroplast DNA from *pea* **leaves.** 037661
Problem of salinity induced putrescine formation in plants *[Peas,* **maize].** 037142
Some physical characteristics of the enzymes of L-tryptophan biosynthesis in higher plants *[Peas* and **maize** compared to fungi and algae]. 037204
Two mechanisms of the light-dependent transport of proton in chloroplasts of plants **[Maize,** *peas].* 037402
Study of coupling factors in experiments with uncoupling and reconstruction of actively and weakly phosphorylating systems of chloroplasts **[Maize,** *peas].* 037588
Physiological studies on salt tolerance in Pisum sativum (L.). III. Growth and **maturation** *[Peas].* 037615
Studies on spontaneous and induced mutability in *pea* **mutants.** 036528
Some morpho-physiological and symbiotic properties of polyploid forms of *pea* **nodule** bacteria [Rhizobium leguminosarum, alfalfa]. 037680
The connection between photooxidative transformations of organic acids in chloroplasts and the **photosystem** II *[Peas].* 037684
New **pigeon** *peas* for old [Varieties]. 038042
Anthracnose of arhar **[pigeon** *peas]* incited by Colletotrichum truncatum. 038673
Infection and pathological histology of **pigeon** *pea* (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
Deoxyribonucleic acid polymerases and deoxyribonucleases in *[pea]* **Pisum** sativum. 037871
Occurrence of plantago mottle virus in *pea,* **Pisum** sativum, in New York State. 038879
Effect of seed damage on growth and development in *pea* **(Pisum** sitivum L.) and wheat (Triticum aestivum L.). 038955
Changes in phenolic content of gram *[pea]* **plant** induced by Ascochyta rabiei infection. 038677
Changes in the oxidative phosphorylation of *pea* **plants** affected by magnesium deficiency of different intensity. 037686
Effect of salinization of the medium on synthesis and qualitative composition of peptides in *pea* **plants.** 037863
A comparison of DNA from free living and endosymbiotic Rhizobium leguminosarum (strain **PRE)** *[Peas].* 037649
Investigations into the physiological, comulative and post-effect of pesticides in the seed **production** of *peas.* 039521
Inhibition of 3-phosphoglycerate dehydrogenase from Pisum sativum *[peas]* by **pyridoxal** 5'-phosphate and by pyridoxamine 5'-phosphate. 037872
Cellular funds of sugars and **respiration** *[Peas].* 037858
Localization of growth-inhibiting action of aluminium ions in elongating cell walls *[Pea* **roots].** 037706
Mutagenic effect of gamma rays and fast neutrons on Pisum **sativum** *[Peas].* 036480
Chloroplast DNA-membrane complex in Pisum **sativum** *[Peas].* 037744
Glycoprotein metabolism in the cotyledons of Pisum **sativum** *peas]* during development and germination. 037812
On the specificity of interaction between DNA and protein of the chloroplasts of Pisum **sativum** *[Peas].* 037865
Tritiated-thymidine induced changes in cell population kinetics in root meristems of Pisum **sativum** *[Peas].* 039054
On the part played by tocopherol in radiation injury in Pisum **sativum** *[Peas].* 039055
Comparative immunochemical study of proteins of the root and other organs of *pea* **seedlings.** 037860
The mutagenic influence of drying on *pea* **seeds.** 036693
A study of the ribosomal proteins and subunits of *pea* **seeds** by the method of electrophoresis in polyacrylamine **gel.** 037648
Determination of the trypsin inhibitor in *[pea]* **seeds.** 037821
Flowering in Pisum *[peas]:* **the sites** and possible mechanisms of the vernalization response. 037776
Agrotechnical importance of *peas* [in **soil** fertility improvement]. 041131
Mutations of the type of leaf in *pea* and the **system** of the genetic control of this character. 036650
Karyological studies on crown gall tumors [caused by Agrobacterium **tumefaciens]** of the *pea.* 036329
Peas—**weed** control. 039088
The effect of phytohormones and inhibitors on the growth of *pea* and **wheat** dwarfs during presowing treatment of seeds. 037399
Effect of sulphur eficiency on water regime and intensity of *pea* and **wheat** photosynthesis. 037701

PEASANTS

The *peasant* **aristocracy** of the Kocherberg area in the outgoing Middle Ages and at the beginning of modern times [History, sociology, France]. 031060
Peasants in the **Bavarian** Provincial Diet (1819-1970) [History]. 031054
Upper *peasant* **classes** in Old Wirtemberg [History, sociology]. 031063
Swiss colonists in East Prussia from 1710 to 1730 as an example of **colonizing** *peasants* [History, land colonization]. 031057
Peasant **co-operation,** consciousness and solidarity. 031276
The *peasants* in **East-Friesian** agriculture in the 16th to 18th centuries [History, social and political aspects]. 031061
Observations on the organisation of a unit **improved** *peasant* farm at the Institute of Agriculture, Ambo, Shoa Province, Ethiopia, 1969-1974. 031251
Peasant **leaders** in Tyrol from the 16th to the 18th century [History, social and political aspects]. 031053
Leading *peasant* classes in Old Bavaria [History, sociology]. 031048
Leading *peasant* classes of Dithmarschen between Peasants' War and peasants' liberation. 031049
Leading *peasant* classes of Austria-Hungary in the 19th and 20th centuries and their achievements [History, social and political aspects]. 031050
Leading *peasant* classes in Bavaria in the 19th to 20th centuries [History, sociology]. 031051
Leading *peasant* class in Hesse in the 19th and 20th centuries [History, social and political aspects]. 031052
Leading peasant classes of Dithmarschen between Peasants' War and *peasants'* **liberation.** 031049
Revolution of continuity—the personnel structure of the *peasants* of the Third **Reich** [History, social and political aspects]. 031055
Sociologic structure of the **Swiss** *peasants* in the late Middle Ages. 031056
Leading peasant classes of Dithmarschen between *Peasants'* **War** and peasants' liberation. 031049
The leaders in the *Peasants'* **War** [History]. 031058

PEAT

Process of drying up and differentiation of *peat* **bog** meadows in the Notec river valley [Soils, reclamation]. 038217
Microbiological processes in *peat* **bog** soils under perennial grasses. 040730
Contemporary development of the *peat* **bogs** in the Vitosha mountain [Topography and the floristic composition]. 036208
The automatically controlled system for designing horizontal drainage [of *peat* **bogs** and boggy soils]. 041266
Lime and *peat-mineral-ammonia* **fertilizers** on drained [pasture] lands. 041005
A moor is not merely **ground** *peat* [Soil genesis]. 040681
Biochemical investigation of *peat* **humic** acids. 040812
Culture of lipid-forming yeasts in mixtures of oxidate and **hydrolysate** of *peat.* 037000
The effect of mineral fertilizers on quality of yield of crops grown on **irrigated** *peat* soils. 041128
Effect of irrigation of productivity of meadows on *muck-peat* and **muck-mineral** soils. 041463
Studies on the availability to plants of soil nitrogen in Malaysian tropical **oligotrophic** *peat.* I. Effect of liming andpH [hydrogen-ion concentration]. 041109
Studies on the availability to plants of soil nitrogen in malaysian tropical **oligotrophic** *peat.* II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. 041110
Afforestation of bogs after industrial exploitation of *peat* **[Pinus,** Alnus, foliar diagnosis]. 035684
Problems of melioration and meadow management in river valeys; proceedings of a conference organized by the Committee for Melioration, Meadow Management and *Peat* **Science** in Wagrowiec, September 24-26, 1973. 038216
Selecting *peat* for rearing coniferous container seedlings. 035644
Transformation trends of plant cover and *peat* **sites** in river valleys under the influence of human activity. 036256
Overseeding rhodesgrass [Chloris gayana] with oats on *peat* **soil.** 038020
Perennial grasses on *peat-boggy* **soils** [Yields]. 038061
Productivity of forage plants on *peat* **soils** [Yields]. 038063
Role of nitrogen fertilizers in increasing productivity of meadows in *peat* **soils** of the Ukrainian Polesye. 041126
Logging and log transportation in the *peat* **swamp** forests of Sarawak, Malaysia. 035832
Cultivating **tomatoes** in *peat.* 038512

PEATLANDS

Effect of reclamation and management on productivity and features of *peatland* **meadows.** 038214

PEBULATE

A review of weed control in tobacco using **Tillam** E *(Pebulate).* 039146

PECANS

Volatile components of *pecan* **leaves** and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. 037760
Carotenoids of *pecan* **nutmeats** [Carya illinoinensis, varieties]. 038359
Nut quality of **selected** *pecan* varieties grown in south Alabama. 033358
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the *pecan* **weevil,** Curculio caryae]. 037760

PECTINASES

Nature and application of *pectinases* with **special** reference to fruit and vegetable processing industry. 033394

PECTINESTERASE

Pectinesterase, **polygalacturonase,** Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] tomato mutant [in storage]. 033388

PECTINOPHORA
Aflatoxins [Aspergillus flavus] in cottonseed as affected by the pink bollworm *[Pectinophora* **gossypiella].** 039272
Geometrical isomerization of 1,5-dienes: isomers of **gossyplure,** the pink bollworm *[Pectinophora* **gossypiella]** sex attractants. 039289
Pupation sites of pink bollworms *[Pectinophora* **gossypiella]:** potential mortality resulting from cultivation of irrigated cotton. 039307

PECTINS
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of cellulase, *pectin-lyase,* and **acid** proteinase [Fungi]. 037253
Pectic **enzyme** effects on red grapes. 037626
Properties of polysaccharides liberated from cell wall-materials during the macerating action by *pectolytic* **enzyme,** endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Pectic **enzymes** in wine. 033469

PECTOLYTIC ***see*** **PECTINS**

PECTORAL
Degenerative myopathy of the **deep** *pectoral* muscle in the turkey. 035346
Studies on the nutrient content of the liver, *pectoral* **muscle,** total body and eggs of hens as influenced by graded supplies of vitamin B6. 034316

PEDIOCOCCUS
Microbial inhibition by an isolate of *Pediococcus* from **cucumber** brines. 031950

PEDOGENESIS
Pedogenesis in the **humid** tropics and the dynamics of potassium. 040643
Measurement of the total chemical composition of the horizons as an aid in the study of *pedogenesis.* II. 040561

PEDOLOGY
Identification of Yellow soil, Red soils, and Brown Forest soils based on the Soviet achievement in *pedology.* II. **Brown** Forest soils. 040711

PEELS
Economic advantages of using citrus **fruit** *peels* for feeding [Cattle]. 034362
Ultrastructural observations of yellowish **green** *peels* of Citrus unshiu Marc. 036289

PEGANUM
New alkaloids from *Peganum* **harmala.** 036891

PEKIN
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum *[Pekin* **ducklings].** 035217

PELARGONIUM
Selection of **female** *Pelargonium* plants. 036710
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of callus tissues of *Pelargonium* **Iris** and Ruta grown in the dark. 037664
Structure and function of the genetic information in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of *Pelargonium* **zonale** to the fine structure of plastids. 036394

PELLETIZATION
Pellets may be **answer** to food needs. 032170
Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. *Pelleting* of **coarsely** ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
Feed concentrates as meal, grain, or *pellets* for **laying** hens? 034433
The economic advantage of *pelletization* of **mixed** feed in Mongolia. 033548
Interaction of lime and **seed** *pelleting* on the nodulation and growth of white clover. II. Oversown trials. 037484

PELVIS
Determination of age of lamb carcasses from *pelvic* **ossification.** 033037
Blockage of nerves of organs of the *pelvis* and **udder** of cows [Anesthesia]. 034934

PEMPHIGUS
On the life cycle of Pemphigus (Pemphiginus) populi Courchet with a key to British species of *Pemphigus* **Hartig** (Homoptera: Aphidoidea). 040092
A new species of *Pemphigus* **[trehernei]** Hartig (Homoptera: Aphidoidea) from Western Europe. 040089

PENETRATION
The *penetration* of **females** of the fruit bark beetle Scolytus mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Workshop on **fluid** *penetration* in wood [Held at College of Environmental Science and Forestry, Syracuse, N. Y. November 12, 13, 1973]. 035902
Environmental influences on cuticle development and resultant **foliar** *penetration.* 036836
Penetration of **oxygen** to milk packed in paper cartons [Quality]. 032119
About the possiblity of *penetration* of some **pesticides** into grapes. 039597
Observations of the *penetration* of the **phloem** in leaves of Nerium oleander (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). 036349
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). V. **Radiation** *penetration* theory and a test case. 037914
Stimulatory processes of the exocrine pancreas and their inhibition by a *non-penetrating* **SH** [sulfhydryl]-reagent. 033961
Effect of surface applied sulfuric acid on **water** *penetration* into dry calcareous and sodic soils. 041040
Penetration of **Zea** mays [maize] by Helminthosporium carbonum [leaf spot]. 038585

PENICILLIN
Hybridization and selection for **increased** *penicillin* titre in wild-type isolates of Aspergillus nidulans. 036566
The effct of iron on a high-yielding industrial strain of Penicillium chrysogenum [fungi] and production levels of *penicillin* G. 037045
Penicillin-testing **program** focuses on contaminated milk. 031944
The inheritance of *penicillin* **titre** in crosses between lines of Aspergillus nidulans selected for increased productivity. 036567

PENICILLIUM
Mycotoxin synergism [Fusarium, *Penicillium,* **Aspergillus,** fungal flora on agricultural commodities, feedstuffs]. 032114
Extracellular alkaline ribonuclease of *Penicillium* **brevicompactum** [Fungi]. 036770
The effct of iron on a high-yielding industrial strain of *Penicillium* **chrysogenum** [fungi] and production levels of penicillin G. 037045
The absolute configuration of the amino acids in delta-(alpha-aminoadiphyl)cysteinylvaline from *Penicillium* **chrysogenum[Fungi].** 036805
Detection of virus-like particles in the coremia of *Penicillium* **claviforme** [Fungi]. 038893
Studies on soil fungi. VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, *Penicillium* **commune].** 036031
A circular paper technique for study of microbial growth [Aspergillus niger, *Penicillium* **digitatum,** citrus fruits]. 038735
Obtaining catalase in crystalline form) from the **fungus** *Penicillium* vitale Pifopl. et Bilai. 036910
The effect of polyethylenimine on some fungi [Aspergillus, Chaetomium, **Paecilomyces,** *Penicillium].* 037328
Dextranase of *Penicillium* **purpurogenum** (Ftoll) [Fungi]. 036908
Production of alkaloids and related substances by fungi. XII. Isolation of festuclavine and three new indole alkaloids, roquefortine A, B and C from the cultures of *Penicillium* **roqueforti.** 037006
Inhibition of 6-methylsalicylic acid synthesis by the antibiotic cerulenin *[Penicillium* **urticae,** fungi]. 037017

PENNISETUM
Millet *(Pennisetum* typhoides) milling techniques and value of the semolinas and flours. 033146
Effect of variable plant heights and stump heights on the growth, yield and quality of Napier-Bajra *[Pennisetum* **purpureum,** pearlmillet] hybrid (NB-21). 038031

PENS
Body measurements of swine as a basis for suitable stall and *pen* **designs.** 040389
Instron **recorder** *pen* response [Food evaluation]. 032871

PENSTEMON
A new species of *Penstemon* **[henricksonii]** (Scrophulariaceae) from Mexico. 036048

PENTACHLORONITROBENZENE
Further determination concerning breakdown of PCNB *[pentachloronitrobenzene]* in **head** lettuce cultivated under glass. 039596

PENTANDRA
Water use by saltcedar **[Tamarix** *pentandra]* as measured by the water budget method [Evapotranspiration]. 037934

PENTATOMIDAE
The ecology and behavior of a **subsocial** *pentatomid* bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a host and its parasites. 039914

PENTOSES
Enzymes of *pentose* **biosynthesis.** The quaternary structure and reacting form of transketolase from baker's yeast [Saccharomyces cerevisiae]. 036781

PEONY
Peonies **[Paeonia,** varieties]. 038490

PEPPER
Some 4,5-dialkylthiazoles with potent **bell** *pepper* like aromas [Possible use as food flavorings]. 032854
Ultrastructure of *pepper* **leaves** with chlorophyll changes under the effect of nitrosomethylurease. 036282
Hereditary changes in Capsicum annuum L. **[Red** *peppers].* III. Induced by DNA treatment. 036577
Role of stem-fruit relation in the after-ripening process of **red** *peppers.* 037616
Stimulation of *pepper* **seed** germination by sodium hypochlorite treatment. 038365
The meat content of Konigsberger Klops, Kohlroulade und **stuffed** *peppers.* 033075

PEPPERMINT
Contribution to the agrotechnics of *peppermint* **(Mentha** piperita L.) growh as a biennial crop. 038555

PEPSIN
Investigation of the reaction of [swine] pepsin and *pepsinogen* with **dicyclohexylcarbodiimide.** 033826
Effect of *pepsin* **inhibitor** (S-PI) [Streptomyces naniwaensis] on the growth and carotene formation of Rhodotorura glutinis [Yeasts]. 037005
Use of rennin and *pepsin* in a 50:50 **mixture** and of bovine liquid rennet in the "caciotta" technology [Cheese making]. 032944
Investigation of the reaction of [swine] *pepsin* and **pepsinogen** with dicyclohexylcarbodiimide. 033826
The digestion of the glycoprotein from pig gastric mucus with *pepsin* and other **proteolytic** enzymes. 034209

PEPTIC
Peptic **peptides** from the beta polypeptide chain of AII component of chicken hemoglobin. 034031

PEPTIDES
Further studies on the peptido-galactomannan from the yeast form of Cladosporium werneckii. Identification of O-acetyl substituents and isolation of the *peptide* **components** following-beta-elimination. 036783
Chlorophyll and *peptide* **compositions** in the two photosystems of marine green algae. 036810
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino acid sequence of *peptides* from **cyanogen** bromide hydrolysate. 033783
Synthesis and biological activity of some **cystine** *peptides* from the active center of the basic trypsin inhibitor from bovine organs (Kunitz-Inhibitor). 033922
The relationship between *peptide* **hydrolases** of cytoplasm and brush borders of guinea-pig small-intestinal mucosa. 034215
Effect of salinization of the medium on synthesis and qualitative composition of *peptides* in **pea** plants. 037863
Peptic *peptides* from the beta polypeptide chain of AII component of chicken hemoglobin. 034031
Application of circular polarization of luminescence to the study of *peptides,* **polypeptides,** and proteins. 032833
CD spectral comparison of porcine **proinsulin** *C-peptide* and several fragments of its sequence. 033919
The amide hydrogen bond in energy functions for *peptides* and **proteins.** 032835
On the activation of bovine plasma Factor XIII: Amino acid sequence of the *peptide* **released** by thrombin and the terminal residues of the subunit polypeptides. 034030
Studies on cytochrome c. XI. Circular dichroism studies on **synthetic** *peptides* related to the C-terminal region of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Specificity and regulation of *peptide* **transport** in Neurospora crassa [Fungi]. 036788
Tryptic *peptides* from the beta polypeptide chain of AII component of chicken hemoglobin. 034033

PERCEPTION
[Landscape] preservation policy and **personal** *perception:* a 200-million-acre misunderstanding [Land-use]. 031195
[Landscape] *perception* and **prediction** of scenic resource values of the Northeast. 041557
The *perception* and **valuation** of water quality: a review of research method and findings. 041427

PERENNIAL
Seed yield and reproduction of *perennials* in **Artemisia** phytocoenoses in the Pamir. 036843
New aspects concerning the cultivation of *perennial* **gramineous** plants for seed. 038145
Perennial **grasses** on peat-boggy soils [Yields]. 038061
Microbiological processes in peat bog soils under *perennial* **grasses.** 040730
A rarely seen **small** *perennial* [Lewisia] in the southwesternarea of Norway [Varieties]. 038417
Evaluation of annual grass forages in prepared seedbeds and overseeded into *perennial* **sods.** 038049
Effectiveness of fertilizers on *perennial* **stands** on terraces [Grapes, vegetables]. 041088

Evolutionary and ecological relationships between Aquilegiaformosa and Aquilegia pubescens (Ranunculaceae), **two** *perennial* plants. 036487
Roundup—the end of *perennial* **weeds** [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. 039104

PERFORATIONS
Simple to scalariform **combination** *perforation* plates in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) [Wood anatomy]. 035777

PERFUSION
The kinetics of Na [sodium] transport in the **isolated** *perfused* rat submaxillary main duct. 033945
Relatonship between sodium excretion and renin secretion by the *perfused* **kidney** [Dogs]. 034154
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by *perfused* **main** duct of rat submaxillary gland. 033935
Effect of osmotic pressure on spontaneous afferent discharge in the nerves of the *perfused* **rabbit** liver. 034126
The effect of lobar obstruction on **regional** *perfusion* in the intact dog. 033852

PERICARP
Labile bound phenolcarboxylic acids and flavonoids in *pericarp* and **placenta** of oil poppy [Papaver]. 036933
Free phenolcarboxylic acids in the *pericarp* and **placenta** of opium poppy. 037275
Inheritance of *pericarp* **thickness** in short season maize inbreds. 036409

PERINATAL *see* **BIRTH**

PERIODONTAL
Uptake of 99m Tc-Sn-EHDP [technetium-99m-tin-diphosphonate] in Beagles with **advanced** *periodontal* disease [Dogs]. 035308

PERIPHERAL
Determination of genetic sex by sexual chromatine in nuclei of neutrophyl leucocytes of the *peripheral* **blood** in vertebrates. 034807
Changes of *peripheral* **leukocyte-counts** by electrically induced convulsion in rabbits. 034082
Peripheral **plasma** levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. 034687
Neuronal activity in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of *peripheral* **somatic** nerves. 034132

PERIPHYTON
The development of *periphyton* **[benthic** algae] on artificial substrates. 036965

PERIPLANETA
Preliminary report on the response of the efferent cells to ordor stimulation *[Periplaneta* **americana].** 039649
Analysis and control of the projection of ocellar information in the brain of cockroaches *[Periplaneta* **americana,** Blabera fusca]. 039650
Ultraviolet-induced changes in cuticular waxes of American cockroaches, *Periplaneta* **americana** (L.) (Dictyoptera: Blattaria: Blattidae). 039669
The microfiber texture in a specialized plastic cuticle area within a sensillum field on the cockroach *[Periplaneta* **americana]** maxillary palp as revealed by freeze fracturing. 039673
Estimation of glucose in the haemolymph of the American cockroach, *Periplaneta* **americana.** 039680
An electrophysiological analysis of extra-axonal sodium and potassium concentrations in the central nervous system of the **cockroach** *(Periplaneta* americana L.). 039844

PERIPLOCA
Growth and revolutive movement of shoots from *Periploca* **graeca** L. 037329

PERIPSOCIDAE
Ectopsocopis cryptomeriae (Enderlein, 1907) a remarkable species of the Yugoslavian Psocoptera **fauna** *(Peripsocidae,* Psocoptera). 040007

PERITONEUM
Effect of *intraperitoneal* **injections** of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and *peritoneal* **macrophages** from normal guinea pigs. 034980
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and *peritoneum* of **rats.** 034109

PERITONITIS
Feline **infectious** *peritonitis:* a review [Cats]. 035160
Characterization of atypical Actinobacillus lignieresii isolated from ducks with **salpingitis** and *peritonitis.* 035169

PERMEABILITY
Cation and **anion** *permeability* of rabbit submaxillary main duct. 033932
Permeation of **certain** milk components through the cell membrane of mammary glands. 034139
The effects of prolactin and oxytocin on milk secretion and on the *permeability* of the **mammary** epithelium in the rabbit. 034079
The bacteriological behavior of beef, vacuum-packed in bags of differing **oxygen** *permeability,* under prolonged refrigerated storage. 033069
Relative *permeability* and the gross pore structure of wood. 035898
Preliminary observations on the *permeability* of **submandibulør** glands to horseradish peroxidase in rabbits. 033941

PEROMYSCUS *see* **CRICETIDAE**

PERONOSPORA
Downy mildew *[Peronospora* **brassicae]** in cauliflower in central-northern Italy. 038726
Studies on the downy mildew disease of balsam [Impatiens balsamina] caused by *Peronospora* **obducens.** 038663
A biochemical study of tobacco blue mould *[Peronospora* **tabacina]** pathogenesis. VI. On some resistance factors. 038606
New virulent races of perenosporosis *[Peronospora* **tabacina]of** tobacco. 038805

PEROXIDASES
Peroxidase **activity** in Golden Delicious apples as a possible parameter of ripening and senescence [in storage]. 033415
Changes of glycolic acid oxidase and *peroxidase* **activity** in maize leaves during the vegetation period. 037333
Diversity in the **anionic** *peroxidase* spectra of linecross radish hybrids. 036669
Effect of dietary vitamin E on the activity of **glutathione** *peroxidase* and nonprotein-sulfhydryl level in erythrocytes and plasma of rats. 032271
Preliminary observations on the permeability of submandibular glands to **horseradish** *peroxidase* in rabbits. 033941
Retrograde transport of **horseradish** *peroxidase* in afferent and efferent neurons from masseter muscle in the rat. 034115
The effect of the prosthetic group of **horseradish** *peroxidase* on the stability of the enzyme. 036806
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, oxygen] complexes of reduced **horseradish** *peroxidases.* 037639
The relationships among Umbelliferone, growth and *peroxidase* **levels** in cucumber roots. 037625
Hepatic drug metabolizing enzymes and **lipid** *peroxidation* in young growing male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
The role of *peroxidase* and **polyphenoloxidase** systems in relation to charcoal rot disease of soybean incited by Macrophomina phaseolina. 038666
Possible participation of *peroxidase* in **reduction** of nitrates in **plants [Broadbeans].** 037585

PEROXIDES
Isolation of **ergosterol** *peroxide* from Alternaria dianthicola [Fungi]. 036791
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of high lipid content using **hydrogen** *peroxide* under high temperature and pressure. 032820
Preservation of milk with **hydrogen** *peroxide.* II. Physicochemical changes in milk with respect to rennet action. 032967
Hydrogen *peroxide* alteration of whey protein in skim milk and whey protein solutions. 032994
Use of **hydrogen** *peroxide* to disinfect installations producing brucellosis preparations. 034936
Inactivation and mutation of yeast cells by **hydrogen** *peroxide* [Saccharomyces cerevisiae]. 036599
Peroxide **index** of bergamot essential oil. 033367

PERSIMMON
Control of snow and field mice injuries to fruit orchards **[Grapes,** *persimmons].* 039023

PERSONALITY
Personality, **perserverance,** planning = prepared students. 032593

PERSONNEL
Transporting **agricultural** *personnel* by means of the new product of integration Ikarus/IFA bus. 040445
Problems on curriculum development in **extension** *personnel* training. 031095
Advertising support for **field** *personnel* [Agri-business]. 031710
Revolution of continuity—the *personnel* **structure** of the peasants of the Third Reich [History, social and political aspects]. 031055
The utilization of *personnel* [in **veterinary** practice]. 034905

PESTALOTIA
Pestalotia **gubiana** sp. Nov. [New taxa, fungi]. 036086

PESTICIDES
Pesticides in **air:** sampling methods [Pollution]. 039590
Automation in the *pesticide* **analytical** laboratory. 039588
Recent advances in *[pesticides]* **application** techniques. 039520
Effect of soil **applied** *pesticides* on nitrogen nutrition and yield of sugarcane. 039552
Examination of slaughter swine for *pesticide* and **arsenic** residues. 032000
The growth- and quality-increasing influence of *pesticides* on **Azalea.** 039581
Pesticides and **bees** [Poisoning]. 039585
Pesticide **concentrations** and yields in runoff and sediment from a Mississippi Delta watershed. 041625
Immunodepressant action of some *pesticides* with different **conditions** of animal feeding [Rats]. 039598
Assessment of storage losses, quality and *pesticidal* **contamination** in wheat available in the markets of western Uttar Pradesh, Punjam and Haryana. 5. 039531
Pesticide **degradation** [by soil microrganisms, especially the fungi and bacteria]. 039569
Influence of *pesticides* on **denitrification** in soil and with an isolated bacterium. 039572
The maintenance of soil **fertility** and the use of *pesticides.* 039600
About the possiblity of penetration of some *pesticides* into **grapes.** 039597
Chemical control and the overcoming of resistance to *pesticides* in **harmful** arthropods. 039244
Microbial degradation of plant protection chemicals *[Pesticides,* **herbicides,** fungicides]. 039549
The economics of **improving** *pesticide* use. 039528
Current status of *pesticide* **legislation.** 031866
Monitoring *pesticides* by means of changes in electric potential caused by fish opercular rhythms. 039587
New *pesticides* as a means to improve the productiviness of ornamental conifers [Pratylenchus penetrans, Chamaecyparis lawsoniana columnaris, namatodes]. 039034
Nonbiological degradation and transformations of **organic** *pesticides* in aqueous systems. 041471
Trace constituents in molasses [Heavy metal contaminants and **organochlorine** *pesticide* residues]. 031961
Species variation in the metabolism of some organic halogen compounds **[Organochlorine** *pesticides].* 039537
The chronic toxicity of **organochlorine** *pesticides* in man. 039546
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on pesticide residues. I. **Organohalogenated** *pesticides* used in public health and agriculture. 039592
Health effects from **organophosphate** *pesticides.* 039545
Comparative investigation of cytogenetic effect of certain **organophosphorus** *pesticides* [Mice]. 034625
The influence of *pesticides* on the **oxygen** uptake by miracidia of Fasciola hepatica (Trematoda) [Liver fluke]. 039530
Seminars on efficient and safe use of *pesticides,* and other **pesticide** work of the FAO [Food and Agricultural Organization] Industry Cooperative Programme. 039583
Photochemistry of bioactive compounds: a review of *pesticide* **photochemistry.** 039527
Application of luminescence methods for determination of aromatics in water [Algae, oil, *pesticides,* **pollution].** 041564
Marketers will "hold the line" on **pricing** *[Pesticides].* 039538
Precautions to take when using treatment **products** *[Pesticides].* 039539
The persistence and toxicity of *pesticides* in **relation** to enzymic activity [in vertebrates and insects]. 039584
Consequences of using the *pesticide* affecting the **reproductive** function of mammals. 039602
Pesticides and **requirements** of institutional finance [India]. 039543
Radioisotopes in *pesticide* **research.** VI. Review papers, general methods of analysis, insecticides. 039554
Estimation of dimethoate *[pesticide* **residue]** in foods. 032083
Pesticide **residues** in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. 031991
[Pesticide] **residues** in milled products of durum wheat. 039542
A prelude to *pesticide* **residues** in different diagnostic situations. 039578
Research on *pesticide* **residues** resulting from a new method of their application for control of soil pests in maize stands. 039586
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on *pesticide* **residues.** I. Organohalogenated pesticides used in public health and agriculture. 039592
Investigations into the physiological, comulative and post-effect of *pesticides* in the **seed** production of peas. 039521
Target **specific** *pesticides:* an industrial case history. 039548
Pesticide **storage** houses ready to serve agrochemical operations [Building designs]. 040372
GM [ground maintenance] guide to **systemic** *pesticides* [for protection of ornamental trees]. 039544
"Security times" [residue] research of some *pesticides* **usedon** strawberry. 039553
How to prolong the efficacy of **utilized** *pesticides* [Plant pests and disease control]. 039006
Seminars on efficient and safe use of pesticides, and other *pesticide* **work** of the FAO [Food and Agricultural Organization] Industry Cooperative Programme. 039583

PESTS
Less known [insect] *pests* of **alfalfa** and sainfoin crops in the Constanta district, and their control. 039298
Influence of fertilization and soil management on the occurrence of diseases and *pests* in an **apple** orchard. i. Effect of green covered and clean cultivated soil. 039078
Field tests using a granulosis virus to control the codling moth (Laspeyresia pomonella (L.) [**Apple** *pests,* biological cntrol]. 039370
Use of Trichogramma and Entobakterin for [biological] control of the codling moth [Carpocapsa pomonella, *pest* of **apples**]. 039368
Population increase of Phytoseiulus persimilis on differentinsectary feeding programs [Tetranychus pacificus, **beans,** *pests].* 039343
Some of the main **beet** *pests* [Insects]. 039300
After-effect of Bacillus thuringiensis preparations on the development of [insect] *pests* [**Biological** control]. 039243
The structure and parasitic life cycle of Boophilus microplus (Canestrini, 1888) in South Africa (Acarina: Ixodidae) [Dairy **cattle,** *pests].* 039470
Studies on the feeding of larval Argas persicus Oken [**Chickens,** *pests].* 039518
Effects of host plant and soil type on the life cycle of Sitona lividipes Fhs. *[Pest* of **clover,** alfalfa]. 039308
Protection of honeybee **colonies** from *pests.* 040306
Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of Tomicus piniperda L. [Natural control, *pests,* **Coniferae].** 039408
Plant protection and *pest* **control** in orchids culture. 038984
Revolution in concept potentiality and achievements of *pest* **control** since independence [India]. 038987
Pest **control** review [Plants]. 038990
Problems associated with the use of arthropod viruses in [insect] *pest* **control.** 039205
Laboratory and field trials with two synthetic juvenile hormone analogues on four aphid species *[Pest* **control].** 039207
Utilization of the insect-plant interactions in *pest* **control.** 039223
Strategies in the design of selective insect toxicants *[Pests,* **control].** 039226
Diversity, complexity, stability and [insect] *pest* **control** [Crop systems]. 039228
Metarrhizium anisopliae (Metch.) Sorokin on Brinjal mealy bug [Centrococcus insolitus] and its use in the biological **control** of the *pest.* 039328
Studies on chestnut [Castanea] insects in Ticino (Switzerland) *[Pest* **control].** 039346
When to spray cauliflower *[Pest* **control,** chemical]. 039359
Pest **control** and storage problems in feed commodities in tropical and subtropical countries. 039431
Juvenile hormone active principle in Attacus atlas L. [In the control of Ostrinia furnacalis, *pest* of **corn].** 039215
Effect of some host plants on development and reproduction of Spodoptera littoralis (Boisd.) (Lepidoptera, Noctuidae) [**Cotton** *pests].* 039260
Dynamics of a cotton field arthropod association in northern Afghanistan (the case for an integrated **cotton** *pest* control system). II. 039278
From friend to foe: the Syrian woodpecker [**Crop** *pests].* 038989
Practical considerations in use of selective insecticides against major **crop** *pests.* 039283
Weather, development of grapes, diseases, *pests* and **damages** in vineyards in the German Federal Republic during 1974/75. 039075
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its exotic predator in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of *pests* of **date** palms]. 039333
Scheme for improvement of sugarcane resistance to *pests* and **diseases** [Breeding]. 036401
Urgent problems in the protection of the forest from *pests* and **diseases** [Poland]. 039011
On the role of glycoalcaloid of alpha-tomatin in the resistance of tomato to **diseases** and *pests.* 039059
Consumer's El Dorado amid swaying palms [Citrus, *pests* and **diseases].** 039076
Insect-tree relationships in the urban environment [**Diseases,** *pests].* 039352
Soybean **entomology** *[Pests].* 039258
The most current and serious diseases and *pests* in **field** crops this year. 039028
Effect of the age of Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity [**Flour** *pests].* 039426
Further investigations on biophysical factors and their effects on Lymantria monacha L. (Lepidoptera, Lymantriidae) [**Forest** *pests].* 039380
The effect of Dendrobacillin on insect and arachnid fauna of oak forests of the trans-Carpathian region [**Forest** *pests,* biological control]. 039394
New **fruit** *pests:* the oriental fruit moth, Grapholitha (Laspeyresia) molesta Busch, on the peach tree. 039311
San Jose scale [Aspidiotus perniciosus, **fruit** *pest* control, Uruguay]. 039319
Synthesis and laboratory and field evaluation of a new, highly active and stable insect growth regulator [for control of **fruit** *pests].* 039342
The situation in the San Jose scale (Quadraspidiotus perniciosus Comst.) areas of Baden-Wurttemberg twenty years after releasing Prospaltella perniciosi Tow. [**Fruit** *pests,.* 039373
Bionomics and management of Rhagoletis [**Fruit** *pests].* 039618
Bionomics of the anthonomine weevils [Anthonominae, *pests* of **fruits].** 039317
Vegetable **garden** *pests.* 038963
Phylloxera vitifolii research and biochemistry [**Grape** *pests].* 039337
Pests of the **grapevine:** The exceptional damage caused in the Piedmont region by Vesperus strepens F. (Coleoptera, Cerambycidae]. 039340
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, Tortricidae) populations in Hungary *[Pest* of **hemp].** 039249
Methods for application of Varoazin [Varroa control, *pests,* **honeybees].** 040263
Naphthaline for Varroa control [**Honeybees,** *pests].* 040264
Pest **infestation** [Coleoptera, Lepidoptera] in stored mushroom. 039434
Grape breeding and adaptation [for **insect** *pest* resistance]. 036538
Research on the biology and control of **insect** *pests* in horticulture and viticulture. 037741
Genetic problems in the production of biological [**insect** *pests* and weeds] control agents. 039202
Parasites, predators, and population dynamics [of **insect** *pests* of plants]. 039221
On the possibility of the acclimatization of imported farm [**insect**] *pests.* 039245
Bacillus thuringiensis preparations harmless to the parasite Trichogramma cacoeciae (Hymenoptera, Trichogrammitidae) [Plant **insect** *pests,* biological control]. 039247
Control of some important cotton **insect** *pests* in the MiddleEast with chlorpyrifos. 039277
Pest management: concept to practice [Cotton, soybeans, **insect** *pests,* control]. 039282
Insect *pests* of sugarcane and their control. 039285
Insect *pests* of sugarcane and their control. 039286
Navel orangeworm control through early harvest [**Insect** *pests* of walnuts]. 039324
Are your houseplants "bugged"? [**Insect** *pests].* 039335
Integrated control of [**insect** *pests]* in horticulture in Canada. 039354
Ultra-low-volume aerial spraying—a new technique in controlling forest **insect** *pests.* 039396
The grain goes to the radiologist [**Insect** *pest* and food quality control]. 039412
Establishing an **integrated** *pest* control program for street trees. 039388
Varietal differences in the susceptibility of Brussels sprouts to **lepidopterous** *pests.* 039316
Significant recent advances in biological control of vector insects *[Pests* of **livestock** and man]. 039439
Insect mycoses and their importance in the [biological] control of biting flies [**Livestock** *pests].* 039515
The effects of red-winged blackbirds (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) [**Maize,** *pests].* 039015
Pest **management:** organization and resources for implementation [in the United States]. 039222
Status of the systems approach to [field crop] *pest* **management.** 039259
Sorghum midge [Contarinia sorghicola] *pest* **management** in the San Joaquin Valley. 039267
Pest **management:** concept to practice [Cotton, soybeans, insect pests, control]. 039282
How to prolong the efficacy of utilized pesticides [**Plant** *pests* and disease control]. 039006
Biological and chemical control [of horticultural **plant** *pests].* 039071
The dynamics of insect populations [including **plant** *pests].* 039785
Growth and reproduction of the field vole Microtus agrestisL.) in forest **plantations** *[Pests].* 038956
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [**Potato** *pests].* 039365
Overcoming the bird *[pests]* **problem** [in food manufacturing]. 032014
Green **Revolution** and *pests.* 038998
Research on pesticide residues resulting from a new method of their application for control of **soil** *pests* in maize stands. 039586
Diseases and *pests* of **special** fruit crops. II. 038979
Some laboratory observations on the biology and predaceous activities of the mite Pyemotes ventricosus Newport (Acarina: Pyemotidae) [**Storage** *pests].* 039411
Insect injuries of cereal grains [**Storage** *pests].* 039413
Some useful tips on fumigation of foodgrains [**Storage** *pests,* control]. 039435
A qualitative of free amino acids in the developmental stages of Sitotroga cerealella Oliv. and Cadra cautella (Wlk) *[Pests* of **stored** cereals]. 039424
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) *[Pests* of **stored** grain]. 039428
The Australian spider beetle (Ptinus tectus) *[Pests* of **stored** products]. 039430
Standover lifts "minor" insect numbers [**Sugarcane** *pests,* Aulacaspis madiunesis, Opogona glcyphaga]. 039269
Tentative appraisal of losses caused by insect, **technical** *pests* of wood, in the Hajnowka woodworking installations. 035830
Host selection by insect parasitoids [Manduca sexta, Telenomus sphingis, Trichogramma minutum, **tobacco** *pests].* 039203
Symphylids [Symphyla, **vegetable** *pests].* 039310
Yearly settlement of Bankia setacea (Tryon) at five British Columbia localities since 1961 *[Pests* of **wood].** 035834

PETIOLES
Peculiarities of the anatomical structure of the **leaf** *petiole* in the species of Seseli L. and their taxonomic significance. 035980

PETROLEUM
Potential controls for alfalfa weevil [Hypera postica] in Pennsylbania: insecticides, *petroleum* **distillates,** and flaming. 039301
Extractives of New Zealand Nothofagus species. 1. *Petroleum* **ether** solubles. [Wood]. 035835
Petroleum **hydrocarbon** toxicity studies. VI. Animal and human responses to vapors of "60 solvent". 035442
Petroleum **hydrocarbon** toxicity studies. VII. Animal and human response to vapors of "70 solvent". 035443
Petroleum **hydrocarbon** toxicity studies. VIII. Animal and human response to vapors of "140 degrees flash aliphatic solvent". 035444

PETUNIA
Recognition and gene expression during the incompatibility reaction in *Petunia* **hybrida** L. 036590
Anthocyanin synthesis in a white flowering mutant of *Petunia* **hybrida** by a complementation technique. 037816

PHAEOPHYTA
A study of variation in Australian species of **Colpomenia** *(Phaeophyta,* Scytosiphonales) [Algae]. 036107
The thallus and spore development of Lobospira bicuspidata Areschoug (**Dictyotales:** *Phaeophyta).* 036363
Polysaccharides of brown algae *[Phaeophyta].* VIII. A **study** of pelvecyan and sargassan by methylation. 036894

PHAGES *see* BACTERIOPHAGES

PHAGOCYTIC
Phagocytic **activity** of bovine leukocytes during pregnancy [Staphylococcus aureus]. 035034

PHAGOCYTOSIS
The influence of intracoelomal injections of solutions and suspensions on the *phagocytosis* with **larvae** of the wax moth, Galleria mellonella (L.). 039644

PHALAENOPSIS
Ultrastructure of white-streaked **dendrobium** *phalaenopsis* orchid flowers infected with a rhabdovirus. 038925

PHALARIS
Effects of drying on forage quality of alfalfa and reed canarygrass *[Phalaris* **arundinacea]** fed to lambs. 034411
Phalaris **minor** infestation is increasing in Punjab. 039166

PHARMACOGNOSY
Pharmacognostic **studies** on some species of the genus Rhanmus. 1. [Cytology]. 036326

PHARMACOLOGY
Some aspects of the *pharmacology* of **antibiotics** in the cat and dog. 035128
A review on the chemical and *pharmacological* **aspects** of genus Berberis. 037188
Pharmacological **investigation** of an alkaloid fraction isolated from Strychnos potatorum Linn. 036995
The *pharmacology* and **toxicology** of the Papaveraceae alkaloids. 036757

PHASEOLUS
Effect of salt and abscisic acid on in vitro activity of nitrate reductase in seedlings of *Phaseolus* **aconitifolius** [Moth beans]. 037611
The effect of cycloheximide on absorption of ions by **bean** *(Phaseolus* vulgaris L.) roots. 037633
Flowering and fruit set of [kidney] **bean** *(Phaseolus* vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
The influence of Sclerotium rolfsii, mulches and season on dwarf **bean** *(Phaseolus* vulgaris) yields in Western Samoa. 038562
The flowering behaviour of the mung **beans** *(Phaseolus* radiatus L.). 037669
Purification and characterization of proteinase inhibitors from adsuki **beans** *(Phaseolus* angularis). 037767
The effect of sowing date and season on the development and yield of navy **beans** *(Phaseolus* vulgaris) in south-east England. 038388
An improved seed programme for maintaining disease-free seed of field **beans** *(Phaseolus* vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. 038872
Pattern of binding of tritiated actinomycin D to *Phaseolus* **coccineus** [scarlet runner beans] polytene chromosomes. II. the entire chromosome complement. 036492
Translocation and metabolism of [3H]gibberellins by **light-grown** *Phaseolus* coccineus [scarlet runner beans] seedlings. 037819

Investigation of the protein composition of anti-A of phytohemagglutinins, obtained from *Phaseolus* **lunatus** [Lima beans]. 033342
Development of glycolytic and mitochondrial activities in the early phase of germination of *Phaseolus* **mungo** seeds [Mungo beans]. 037478
Further studies on glucose catabolism in the early phases of germination of *Phaseolus* **mungo** seeds [Mungo beans]. 037479
An ultrastructural study of acid phosphatase localization in cells of *Phaseolus* **vulgaris** [kidney beans] phloem by the use of the azo dye method. 036362
A comparative study of gamma-ray, fast-neutron and ethyleneimine mutagenic effects on *Phaseolus* **vulgaris** [kidney beans]chromosomes. 036470
A comparative study of the effects of photoperiod on flower bud development and stem elongation in three varieties of *Phaseolus* **vulgaris,** L. [Kidney beans]. 037630
An ultrastructural study of acid phosphatase localization in *Phaseolus* **vulgaris** [kidney bean] xylem by the use of an azo-dye method. 037774

PHASES
Influence of **air** *phase* dispersity on hard ice-cream texture. 032950
Method of calculating leukocytes in *phase* **contract** [Leukosis, cattle]. 035246
The development of antisera to prostaglandins B2 and F2alpha and their analysis using *solid-phase* and **double** antibody radioimmunoassay methods [Rabbits]. 035007
Development of glycolytic and mitochondrial activities in the **early** *phase* of germination of Phaseolus mungo seeds [Mungo beans]. 037478
Further studies on glucose catabolism in the **early** *phases* of germination of Phaseolus mungo seeds [Mungo beans]. 037479
Photoperiodic induction of the diapause of the **egg** *phase* in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the **embryo** *phase* up to the mature sporophyte phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
Assessment of feeding value of extracted mustard cake in starting **growing** *phase* of chickens. 034384
The animal **growth** *phase* plane [Feeding]. 034422
Changes of lipid composition with **growth** *phase* of Cryptococcus neoformans [Yeasts]. 036728
Morphological and biological adaptations of the **imaginal** *phase* of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the seasonal cycle of the host Eulecanium caraganae Borchs. 039715
Studies on stable and during early **imbibition** *phases* synthesized Poly(A)-RNA of Agrostemma githago embryos. 036926
The **initial** *phase* of traumatogenic respiration. 036725
Effect of low moisture level on catalase activity in some [field] crop plants during **juvenile** *phase.* 037346
Application of Carbowax 20M as an open-tubular **liquid** *phase* in analyses of nutritionally important fats and oils. 032368
Phenetic implications of structural features of the **perennating** *phase* in the life history of Porphyra and Bangia (Bangiophyceae, Rhodophyta) [Algae]. 036340
Evidence for a new aluminium **phosphate** *phase* from reaction rate of phosphate with aluminium hydroxide [Soil fertility]. 041018
Application of computer codes to *phase-change* **problems** in food engineering. 032738
Differential cleavate of Physarum [Fungi] DNA from distinct points of S *phase* by **restriction** enzyme Eco RI. 036930
Simultaneous demonstration of **separate** *phases* with different phenol content in the leaf epidermis cells of Salix alba L. 036350
Investigations on the **soil** *phase* of Phytophthora cactorum (Leb. et Cohn) Schroet. with fluorescent optical direct observation. 038841
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of **solid** *phase* in cottonseed oil hydrogenates. 033213
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the mature **sporophyte** *phase.* I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274
Research on heat-mass transfer in processes occurring at *phase* **transformation** under vacuum [Food technology]. 032754
Accumulation of Vinca herbacea alkaloids according to the **vegetation** *phases.* 037267

PHEASANTS
Carbamate poisoning: Effect of certain carbamate pesticideson esterase levels in the *pheasant* (**Phasianius** colchicus) and pigeon (Columba livia). 039556
Problems of **tuberculosis** in *pheasants.* 035270

PHELLINUS
Fungal *[Phellinus* **tremulae]** decomposition of sapwood and hearthwood of European aspen, Populus tremula L. 038610

PHENOBARBITAL
Induction of cytochrome P-450 in yeast [Saccharomyces **cerevisiae]** by *phenobarbital.* 037306
Induction of udpglucose dehydrogenase during development, organ culture, and exposure to *phenobarbital.* Its **relation** to levels of udpglucuronic acid and overall glucuronidation in chicken and mouse. 033801

PHENOLOGY
Solution of phenoprognostic problems by combining *phenological* **curves** with the annual temperature dynamics [Climate]. 031130
Phenological **variations** and seasonal rhythmics of some forage herbs. 037554

PHENOLOXIDASES
Properties of model humic acids synthesized by *phenoloxidase* and **autoxidation** of phenols and other compounds formed by soil fungi. 040633
Affinity chromatography of *phenoloxidase* in the **larvae** of housefly [Musca domestica]. 039613

PHENOLS
On *phenolic* **acids** of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of Brassica-Species and leaves of other Cruciferae. 033485
On the *phenolic* **acids** of vegetables. IV. Hydroxycinnamic acids and hydroxybenzoic acids of vegetables and potatoes. 033487
On the *phenolic* **acids** of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of fruit and seed vegetables. 033488
On the *phenolic* **acids** of vegetables. III. Hydroxycinnamic acids and hydroxybenzoic acids of root vegetables. 033489
Card-Phenol **(Cardanol)** [manufactured from cashew nut shell liquid] & its utilisation. 033357
Phenolic **compounds** from Sedum purpureum. 036892
The distribution of *phenolic* **compounds** in the leaves of some species of the genus Allium. 036915
Changes in *phenolic* **compounds** of sunflowers infected by Plasmopara halstedii. 038581
Phenolic **compounds** & polyphenol oxidase activity in relation to resistance in potatoes against bacterial soft rot [Erwinia carotovora]. 038860
Properties of model humic acids synthesized by phenoloxidase and autoxidation of *phenols* and other **compounds** formed by soil fungi. 040633
Simultaneous demonstration of separate phases with different *phenol* **content** in the leaf epidermis cells of Salix alba L. 036350
Changes in *phenolic* **content** of gram [pea] plant induced by Ascochyta rabiei infection. 038677
Rapid determination of *phenol* **content** of water [Pollution]. 041582
Possible mode of action of *phenolics* in **inducing** disease resistance in ragimillet plants against Helminthosporium tetramera. 038704
Role of *phenolics* in **leaf** spot disease incidence in ragimillet incited by Helminthosporium tetramera. 038713
The biology of **plant** *phenolics.* 037285
Phenol **reaction** of Kentucky bluegrass (Poa pratensis) seeds. 037559
Phenol **red** as an indicator of the flow rate of digesta along the small intestine of pig. 033715
Urinary *phenolic* acids of normal dogs & their retention in acute experimental uraemia. 035321
Studies on alfalfa grown after cutting dodder (Cuscuta) infection: changes in content and nature of *phenolics* **[Weed** control]. 039134

PHENOTYPES
Phenotypic **description** of double homozygotes for certain **sex** genes in maize. 036523
The estimation of the distribution of the genotype characters on the basis of their **distribution** in the *phenotype.* 036499
Phenotypic and **genotypic** variability in an exotic X Indian and Indian X Indian, intervarietal crosses of wheat (Triticum aestivum L.). 036606
Experimental mutagenesis in apple. IV. *Phenotypic* and **genotypic** changes in Malus domestica, induced by low doses of X-rays and nitrosomethylurea. 036670
Phenotypes **(killer,** neutral, sensitive) of yeasts of the genus Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. 036062
The compound eye in the **opaque-eye** *phenotype* of Drosophila melanogaster. 039938
Correlation of *phenotypic* **variation** of milk production and genetic variations of transferrin and hemoglobin types in Simmenthal cows. 034601

PHENOXY
Phenoxy **herbicide** residues in cowberries and mushrooms [Conifers]. 039142
Using *phenoxy* **herbicides** effectively. 039117

PHENYL
Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and *1-phenyl-3-benzoyl-2-thioureas* **[Hylenya** platura, control, lima beans]. 039341
Metabolic fate of **O-ethyl** *O[4-(methylthio)phenyl-14C]* Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow [Toxicity tests]. 039562
Metabolism of **O-ethyl** *O-[4-(methylthio)phenyl]* S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564
Synthesis and insecticidal activity of **substitued** *1-phenyl-3-benzoylureas* and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, lima beans]. 039341

PHENYLACETATES
Pathochemical studies on Rhizoctonia disease. VI. Enzyme activities presumably related to production of *phenylacetic* **acid** by Rhizoctonia solani. 038734

PHENYLALANINE
The rate of incorporation and degradation of *phenylalanine-14C* **[carbon** isotope] by tissue slices of roosters fed a phenylalanine-free diet [Chickens]. 034427
PKU [phenylketonuria] collaborative study—clinical effects of *phenylalanine* **restricted** diets. 032305
Structure of **yeast** *phenylalanine* transfer RNA at 2.5 A [angstrom] resolution. 037242

PHENYLALANYL
Isolation, purification, and study of some properties of the lysl-, *phenylalanyl-,* and **aspartyl-tRNA** synthetases from the fungus Verticillium dahliae. 036887

PHEOPHYTIN
A method for the spectrophotometric measurement of chlorophyll a and *pheophytin* a in **benthic** microalgae. 037086

PHEROMONES
Synthesis of optically active forms of sulcatol. The **aggregation** *pheromone* in the scolytid beetle, Gnathotrichus sulcatus. 039934
Neutralization of *pheromones* by **antisera** in pigs. 033927
Lack of specificity in **assembly** *pheromones* of soft ticks (Acari: Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, Argas brumpti]. 039479
Anatomical and histological study of the cabbage root fly Hylemya brassicae rectum on the occurrence of a *pheromone* **gland.** 039871
Sex *pheromone* of rice stem borer [Chilo suppressalis]; purification and chemical properties. 039251
Simple extraction and bioassay of the female **sex** *pheromone* of the citrus mealybug, Planococcus citri. 039315
Influence of **trace** *pheromones* of Trissolcus grandis (Hymenoptera, Scerionidae) on the searching behaviour of females. 039971

PHIALOPHORA
Long time storage of beech [Fagus] logs under water sprinklers *[Phialophora* **fastigiata,** Coryne sarcoides, Hypoxylon coccineum]. 035733

PHILADELPHUS
Mock-oranges in the landscape *[Philadelphus,* **cultivars].** 038335

PHLEUM
Electron microscopy of some grasses and cereals infected with cocksfoot mottle, *phleum* **motle** and cocksfoot milk mosaic virus. 038919
Micronutrients on timothy *[Phleum]* **plantings.** 041006

PHLOEM
An ultrastructural study of acid phosphatase localization in cells of Phaseolus vulgaris [kidney beans] *phloem* by the use of the **azo** dye method. 036362
Observations of the penetration of the *phloem* in **leaves** of Nerium oleander (Linn.) by stylets of the aphid, Aphis nerii (B. de F.). 036349
Cell length variation in the **secondary** *phloem* of Dalbergia spp. with increasing age of the vascular cambium. 036270
Phloem **structure** and development in Blechnum orientale [Pteridophyta]. 036262
Ontogeny of *phloem* **transfer** cells in Hieracium floribundum. 036293
Selectivity in xylem to *phloem* **transfer** of amino acids in fruiting shoots of white lupin (Lupinus albus L.). 037530

PHLOMIS
Role of desert wood lice [Hemilepistus fedtschenkoi] in decomposition of plant *[Phlomis* **bucharicus]** remains. 039975
Stachydrine from *Phlomis* **tuberosa** and Panzeria lanata. 036899

PHLOX
The novel flavonoid chemistry and phylogenetic origin of *Phlox* **floridana** [Genetics]. 036489

PHOMA
Some observations on **assessing** *Phoma* betae [blackleg] infection of sugarbeet seed. 038567
Disease transmission by seeds [Ascochyta, *Phoma* **betae].** 038790
The spread of [gangrene] *Phoma* **exigua** within the potato crop. 038569
The influence of date of sowing on the incidence of tip-rot *[Phoma]* and **fibre** yield of mesta [Hibiscus cannabinus]. 038665
Phoma **glomerata** in relation to bud-blight-affected plants of groundnut. 038703
Energy migration from photoreceptors of green region light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology *[Phoma* **tracheiphila].** 038812
A severe grapevine disease referred to black rot *[Phoma* **uvicola]** in La Spezia district. 038723

PHOMOPSIS
Experimental *Phomopsis* leptostromiformis mycotoxicosis of **pigs.** 035127

Transmission of fungus grape diseases by willow twigs *[Phomopsis* **viticola].** 038830

PHORACANTHA

The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from *Phoracantha* **semipunctata** F. (Cerambycidae), xylophagous Eucalyptus borer. 039402

PHORATE

Effect of fertilisation on the degradation of dicrotophos, disulfoton and *phorate* in **soil.** 040921

PHORESY

Phoresy among **entomophagous** insects [Biological control]. 039204

PHORMIA

A case of traumatic dermal myiasis in Quebec caused by *Phormia* **regina** (Meigen) (Diptera: Caliphoridae). 039451

Delayed allatectomy and feeding in *Phormia* **regina** (Meig.): effects on follicular development. 039849

PHOSPHATASES

The multiple forms of **acid** *phosphatase* from horse leucocytes. 033839

Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [**Acid** *phosphatase,* phosphogluconate dehydrogenasephosphohexose isomerase]. 034606

Acid *phosphatase* in the spleen of bacteria free and conventional rats. 035288

An ultrastructural study of **acid** *phosphatase* localization in cells of Phaseolus vulgaris [kidney beans] phloem by the use of the azo dye method. 036362

Genic analysis for **acid** *phosphatase* isozymes in Oryza perennis and Oryza sativa [Rice]. 036407

Genetic and biochemical studies of **acid** *phosphatases* in yeast Saccharomyces cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. 036516

Genes coding for the structure of the **acid** *phosphatases* in Saccharomyces cerevisiae. 036589

Multiple forms of **acid** *phosphatase* of the mould Aspergillusawamori str. 22. 037225

Histochemical investigation of **acid** *phosphatases* in aleurone cells of barley. 037374

An ultrastructural study of **acid** *phosphatase* localization in Phaseolus vulgaris [kidney bean] xylem by the use of an azo-dye method. 037774

Hormonal induction of **acid** *phosphatase* activity in salivary glands of larvae of Drosophila melanogaster during metamorphosis. 039694

Electron-cytochemical study in localization of *glucose-6-phosphatase* **activity** of cytoplasm of Funaria hygrometrica cells. 036365

Effect of chronic nicotine administration on the intestinal mucosal **alkaline** *phosphatase* in rats. 033970

Studies on the **alkaline** *phosphatase* and 5'-nucleotidase of Dictyostelium discoidleum [Cellular slime mold]. 036789

Acid and **alkaline** *phosphatase* activity in relation to egg-laying and aging in Callosobruchus analis (Fab.) (Coleoptera: Bruchidae). 039658

Measurement of *phosphatase* and **esterase** activity in Norway spruce [Picea abies] needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973

Regulation by pyruvate kinase and *phosphatase* of **inorganic** phosphate incorporation during photophosphorylation. 036970

The mode of activation by potassium of potassium-dependent and **quabain-sensitive** *phosphatase* activity. 033768

Effects of storage on the activities of protease, urease, *phosphatase,* and **sulphatase** in three soils under pasture. 040702

PHOSPHATES

Influence of reduced diets on the *glucose-6-phosphate-dehydrogenase* **activity** of the fatty tissue in patients with metabolic-alimentary adiposity. 032491

Alpha-glucose *1-phosphate,* a precursor in the biosynthesis of maltose in higher plants [Gentiana lutea, spinach, Acer pseudoplatanus]. 037303

Evidence for a new **aluminium** *phosphate* phase from reaction rate of phosphate with aluminium hydroxide [Soil fertility]. 041018

Gestation length in rabbits. Effect of **aminoglutethimide** *phosphate,* dexamethasone, pregnenolone and progesterone. 034663

Molybdenum nutrition of maize (Zea mays L.) on an Avalon medium sandy loam as affected by molybdenum, lime and *phosphate* **applications.** 040863

Availability of **applied** *phosphate* in the soils of white sugar belt of North Bihar. 040982

Mineral forms of *phosphates* **assimilated** by vineyards in conditions of recultivation. 041094

Flowering and fruit set of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and **calcium** *superphosphate.* 037690

Study of the phosphate regime of soils with the application of indices of *phosphate-buffer* **capacity** (Q/I) and phosphate potential. 040848

Some regulatory properties of pea leaf **carbamoyl** *phosphate* synthetase. 037815

Effect of *phosphate* **constituents** on the sugar refining process. 033169

The effect of manure and mineral fertilizers on fractional composition of *phosphates* in **deep** soddy-podzolized soil in the trans-Carpathian lowlands. 041127

Glucose-6-phosphate **dehydrogenase** in tobacco callus strains differing in their growth and their requirement for auxin and cytokinin. 037369

The thermostability of secondary structure of *d-glyceraldehyde-3-phosphate* **dehydrogenase** from thermus thermophilus characterized by a new method [Soil bacteria]. 040639

Glyceraldehyde-3-phosphate **dehydrogenases** from Euglena gracilis [Algae]. Purification and physical and chemical characterization. 036784

Use of **diammonium** *phosphate* on winter wheat. 041093

A new colorimetric method of determination of O,O-dimethyl **2,2-dichlorovinyl** *phosphate* in insecticidal preparations. 039579

Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine **dinucleotide** *phosphate]* redox balances. 032865

Purification and properties of polyol: NADP [niconinamide adenine **dinucleotide** *phosphate]* oxidoreductase from pichia quercuum [Fungi]. 036731

Effect of NADP [nicotinamide adenine **dinucleotide** *phosphate* ion] on light-induced cytochrome changes in membrane fragments from a blue-green alga [Nostoc muscorum]. 036813

Identification of NADPH [reduced nicotinamide adenine **dinucleotide** *phosphate]-thioredoxin* reductase system in Euglena gracilis [Algae]. 037240

The natural history of the Hardangerfjord. 12. The late summer water exchange in 1956, its effect upon phytoplankton and *phosphate* **distribution,** and the introduction of an offshore population into the fjord in June, 1956. 037255

The epidemiology of common root rot [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on subcrown internodes and the **effect** of added *phosphate.* 038587

Renal regulation of *phosphate* **excretion** in the pig. 034161

Effect of spacing and *phosphate* **fertiliser** on forage and seed yield of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883

The efficiency of *superphosphate-phosphorite* **fertilizer** applied to mixed grasses in the Troyan area. 041036

Phosphate **fertilizing** of rice in Surinam; a summary of results. 041102

Super *[phosphate]* **improves** apple tree performance. 041119

Regulation by pyruvate kinase and phosphatase of **inorganic** *phosphate* incorporation during photophosphorylation. 036970

The effect of regular annual dressing on phosphates in strongly leached Chernozem. I. Changes in the supply and forms of active **inorganic** *phosphates.* 041035

Maltose *phosphate* in isolated spinach chloroplasts. 037696

The effect of preceding fertilizer application on the **maximum** *phosphate* sorbtion of the Cinnamonic Forest soil. 041034

Detecting the addition of *phosphates* to **meat** products. 031998

Fungitoxicity and insecticide synergism of **monothioquinol** *phosphate* esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529

Togo tricalcic **natural** *phosphates* in cotton growing: balance of two pluriannual trials Dossou, N. 040903

Phosphates for **new** food processing techniques. 032806

Infiltration of **organic** *phosphate* compounds in soil. 041041

Response by sugarbeet to *superphosphate,* **particularly** in relation to soils containing little available phosphorus. 040994

Response of paddy to nitrogen, *phosphate* and **potash** and their respective economic optima under varying prices. 040927

Distribution of *phosphate* and **potassium** fertilizers in the topsoil, applied on the surface or absorbed in the soil. 041072

Study of the phosphate regime of soils with the application of indices of phosphate-buffer capacity (Q/I) and *phosphate* **potential.** 040848

About the interrelation between individual groups of phoshates, the *phosphate* **potential** and the mobile phosphoric acid in the light Gray Forest fine loamy soil. 040869

Inhibition of 3-phosphoglycerate dehydrogenase from Pisum sativum [peas] by **pyridoxal** *5'-phosphate* and by pyridoxamine 5'-phosphate. 037872

Quinol *phosphate* as a metabolite of triphenyl phosphate [Musca domestica]. 039448

Study of the *phosphate* **regime** of soils with the application of indices of phosphate-buffer capacity (Q/I) and phosphate potential. 040848

Effect of **rock** *phosphate* in cojunction with organic matter in increasing the essential oil contents of Mentha arvensis. 038547

Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with **rock** *phosphate* and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980

Influence of different organic materials with and without **rock** *phosphate* and urea on reclamation of highly saline and alkaline soil. 041161

Response of Juniperus chinensis 'Hetzi' and Ilex cornuta 'Burford nana' to 3 levels of [the fertilizer] Osmocote 18-6-12 and 4 levels of **single** *superphosphate* in two container sizes. 041069

The influence of pH [hydrogen-ion concentration] on the adsorption of *phosphate* by **soils** from the Guinea and Sudan savannah zones of Nigeria. 041046

The effect of regular annual dressing on *phosphates* in **strongly** leached Chernozem. I. Changes in the supply and forms of active inorganic phosphates. 041035

Effect of coal fertilizer and **Thomas** *phosphate* in manuring rice. 040978

Special features of Pi *[phosphate]* **transport** in pig heart and rat liver mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823

Kinetic and biological properties of **trehalose** *phosphate* synthase from Neurospora crassa [Fungi]. 037307

Quinol phosphate as a metabolite of **triphenyl** *phosphate* [Musca domestica]. 039448

Triple *superphosphate;* certain agronomic considerations. 040929

Triple *superphosphate* manufacture [Mineral fertilizers]. 041029

PHOSPHATIDYL

Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of *phosphatidyl* **choline** in weanling rat liver. 032405

PHOSPHATIDYLCHOLINE

Structural and dynamical studies of mixed [spinach] *chlorophyll/phosphatidylcholine* **bilayers** via X-ray diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. 037656

Influence of the products of phospholipolysis of *phosphatidylcholine* on **micellar** solubilization of fatty acids in the presence of bile salts [Sheep, feeding]. 034345

Incorporation of (3H) [tritium]-arachidonic acid into cattle retina lipids: high uptake in triacylglycerols, diacylglycerols, *phosphatidylcholine* and **phosphatidylinositol.** 034101

PHOSPHIDES

Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from stored beans afer fumigated with **hydrogen** *phosphide.* 039423

PHOSPHODIESTERASES

The action of some inhibitors and stimulators of *phosphodiesterase* and **adenylate** cyclase on electrolyte and enzyme secretion by the pancreas [Cyclic adenosine monophosphate]. 033944

Cyclic nucleotide phosphodiesterase in silkworm [Bombyx mori] characterization of cyclic GMP [guanosine **monophosphate]** *phosphodiesterase.* 040213

Cyclic **nucleotide** *phosphodiesterase* activity in Cicer arietinum. 036905

Cyclic **nucleotide** *phosphodiesterase* in silkworm [Bombyx mori] characterization of cyclic GMP [guanosine monophosphate] phosphodiesterase. 040213

Phosphodiesterases from **porcine** coronary arteries: inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. 034106

Adenylate cyclase and *phosphodiesterase* in **rat** pancreas. 033930

Critical density for relaying in Dictyostelium discoideum [fungi] and its relation to *phosphodiesterase* **secretion** into the extracellular medium. 036320

PHOSPHOFRUCTOKINASE

Activity of *phosphofructokinase* in some **organs** of guinea pigs with different ascorbic acid allowances of their organism. 032479

PHOSPHOGLUCONATE

Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, *phosphogluconate* **dehydrogenasephosphohexose** isomerase]. 034606

PHOSPHOGLYCERIC

Inhibition of *3-phosphoglycerate* **dehydrogenase** from Pisum sativum [peas] by pyridoxal 5'-phosphate and by pyridoxamine 5'-phosphate. 037872

PHOSPHOKINASES

Factors affecting serum **creatine** *phosphokinase* activity in pigs [Genetic marker for malignant hyperthermia syndrome]. 035348

PHOSPHOLIPASES

Phospholipase A2, **isoenzyme** from porcine pancreas purification and some properties. 033810

Exposure by *phospholipase* A of **receptors** for sheep erythrocytes on human B cells. 034111

Occurrence and properties of *phospholipase* D—a **review** [Food chemistry]. 032923

PHOSPHOLIPIDS

Nonenzymic browning. XIV. Reaction of *phospholipids* with **1,4-benzoquinone.** XIV. Reaction of phospholipids with 1,4-benzoquinone. 032922

Lipid and *phospholipid* **extraction** from fungal mycelia. 032840

Surface distribution of the fatty acid side chains of phosphatidylethanolamine in **mixed** *phospholipid* vesicles [Hen egg yolk]. 033813

Micellar solubilization of fatty acids in aqueous media containing bile salts and *phospholipids* **[Sheep,** feeding]. 034346

Effect of total lipids and *phospholipids* on **warmed-over** flavor in red and white muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. 033131

The extraction and analysis of **wheat** *phospholipids.* 037516

PHOSPHONIUM

Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl [(5-chloro-2-thienyl)methyl] *phosphonium* **chloride.** 038772
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) *phosphonium* **hydroxide** with an ammonia vapor cure]. 031959
A durable flame-retardant finish for cotton based on THPC **[tetrakis** *(hydroxymethyl)-phosphonium* chloride] and urea. 031951

PHOSPHORORGANIC *see* ORGANOPHOSPHATES

PHOSPHORUS

A kinetic study of *phosphorus* **absorption** by excised maize roots from flowing solutions with different phosphorus concentrations. 037366
Investigations on **accumulative** *phosphorus* and potassium dressing in a six-course field crop rotation. 041031
Comparison of oxalic acid and *phosphoric* **acid** as degumming agents for [rapeseed, soybean] vegetables oils. 033254
Purification of *phosphoric* **acid** with methanol and ammonia [solution fertilizer production]. 040992
The influence of **applied** *phosphorus,* manure, or lime on uptake of lead from soil [by maize]. 041000
Response by sugarbeet to superphosphate, particularly in relation to soils containing little **available** *phosphorus.* 040994
Phosphorus **balance** in sewage effluent treated soils. 040675
Age dynamics of the composition of *phosphorous* **compounds** in organs and tissues of broiler chickens. 034179
Effect of water deficiency on metabolism of *phosphorus* **compounds** and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. 037426
A kinetic study of phosphorus absorption by excised maize roots from flowing solutions with different *phosphorus* **concentrations.** 037366
The dynamics of nitrogen and *phosphorus* **cycling** in the open waters of the Chesapeake Bay [Phytoplankton, algae]. 036721
Phosphorus **cycling** by soil microorganisms and plant roots. 036981
The state of oxidative systems in the mitochondria of wheat roots under conditions of *phosphorus* **deficiency.** 037433
Assimilation of nitrogen by plants in conditions of *phosphorus* **deficiency** [Pumpkins]. 037705
Phosphorus **distribution** from septic tank effluent in coastal plain soils. 040676
Soil testing as a guide to *phosphorus* **fertilization** of young pine plantations in the Coastal Plain. 040895
Phosphorus **fertilization** aids stand establishment on poorlydraned Coastal Plains soils. 040949
Effects of nitrogen and *phosphorus* **fertilizer** on malting quality of wheat. 033190
Soil phosphorus reserves and **fertilizing** with *phosphorus.* 041137
Radioisotope studies showing the role of *phosphorus* in the **formation** of a large molecular weight organic compound present in lake water. 041285
The effect of foliar application on the content of *phosphorus* **forms** in grapevine. 037855
Source and level of *phosphorus* for **growing-finishing** swine [in barley-soybean meal diets]. 034416
Distribution of calcium, potassium and *phosphorus* in **Helianthus** annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of **incorporated** *phosphorus-32* on the cells of haploid yeasts [Saccharomyces cerevisiae]. 036661
Excretion of ammonia and **inorganic** *phosphorus* by Euphausia pacifica and Metridia pacifica at different concentrations of phytoplankton. 037046
Evaluation of methods for preserving the levels of soluble **inorganic** *phosphorus* and nitrogen in unfiltered water samples. 041352
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P *[phosphorus* **isotope]** into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
An investigation into the study of phosphorus nutrition of soybeans in pot tests using P32 *[phosphorus* **isotope].** 040858
Relationship of supplemental biotin, *phosphorus* **level** and calcium level to reproductive performance of turkeys. 034456
Effect of dietray calcium and *phosphorus* **levels** on the incidence of urinary calculi and on urine and serum mineral levels in wethers [Sheep]. 035351
Nitrogen and *phosphorus* **levels** in soils beneath sewage disposal ponds. 040673
Nitrogen and *phosphorus* **losses** from winter disposal of dairy manure. 040999
Lime and *phosphorus* on **low** areas [Barley, oats, wheat]. 041106
Possible effect of **lower** *phosphorus* concentrations on the phytoplankton in Onondaga Lake, New York, U.s.a. [Pollution]. 037154
A note on the metabolism of Ca, P, Mg, Na and K [calcium, *phosphorus,* **magnesium,** sodium, potassium] by pigs growing at a high ambient temperature. 033738
Participation of different tiers of the root in supply of **maize** with *phosphorus.* 037431
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and *phosphorus* **metabolism** in the rabbit. 033885
Phosphoric **metabolism** in winter wheat leaves depending on plant supply with phosphorus. 037418
About the interrelation between individual groups of phoshates, the phosphate potential and the **mobile** *phosphoric* acid in the light Gray Forest fine loamy soil. 040869
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, **nitrogen** and *phosphorus].* 040552
Early frost damage on Sitka spruce [Picea sitchensis] seedlings and the influence of *phosphorus* **nutrition.** 035472
Energy dissipation and photosynthesis in nitrogen and *phosphorus* **nutrition** [Sunflowers]. 037582
An investigation into the study of *phosphorus* **nutrition** of soybeans in pot tests using P32 [phosphorus isotope]. 040858
Transformation of *phosphorus* in **organic** matter decomposition studies with special reference to the immobilisation aspect. 040840
Uptake and release of *phosphorus* by **phytoplankton** [Algae] in the Chesapeake Bay Estuary, USA. 037096
Damage to vegetation in the vicinity of a *phosphorus* **plant,** Long Harbour, Newfoundland. 038959
Reaction products of polyphosphates and orthophosphates with soils and influence on uptake of *phosphorus* by **plants** [Maize]. 041045
The influence of nitrogen, *phosphorus,* **potassium,** and copper doses on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
Influence of N, P, K [nitrogen, *phosphorus,* **potassium]** on stem rot [Macrophomina phaseoli] incidence of capsularis jute. 038657
Changes of *phosphorus* and **potassium** compounds in soddy-podzolic and Grey forest soils under the effect of water erosion. 040721
The migration of nitrogen, *phosphorus* and **potassium** of nitroammophoska in loamy soddy-podzolic soil. 040878
Effect of nitrogen, *phosphorus,* and **potassium** fertilizers on yield components and specific gravity of potatoes. 040882
Rose response to nitrogen, *phosphorus,* and **potassium** fertilization rates in plastic mulch covered beds of find sand. 040894
Industrial organization of *phosphorus,* **potassium** fertilization by agrochemical centers. 040913
Residual effects of *phosphorus* and **potassium** fertilizers on shaded cocoa (Theobroma cacao L.) in Ghana. 040968
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, *phosphorus,* **potassium]** and their influence on quality of potato. 040980
Action and interaction of nitrogen, *phosphorus* and **potassium** in sunflower fertilization on calcareous soils. 041062
The optimal nitrogen, *phosphorus* and **potassium** fertilization of grasslands. 041082
Studies on the availability to plants of soil nitrogen in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, *phosphorus,* **potassium]** and micronutrients. 041110
Phosphorus **quota** and the chlorophyll: carbon ratio in marine phytoplankton [Algae]. 037091
Calcium requirements for chicks as affected by some nutrition factors. III. Effect of feeding different levels of calcium and *phosphorus* with the same **ratio** on growth of Dokki-4 chicks. 034257
Problem of standardizing calcium and *phosphorus* in **relation** to feeding cattle. 034537
Sediment-phosphorus **relations** in surface runoff from irrigated lands. 041390
Role of folair diagnosis in the establishment of nitrogen, potassium and *phosphorus* **requirements** of grapes. 037884
Phosphorus-deficient **rice** soils of India. 040577
Functional role of photoinduced electric response of the plant during uptake of *phosphorus* from **soil** in the light [Maize, grapes]. 036940
Growth of turfgrasses as affected by **soil** *phosphorus* and arsenic [Herbicide residues]. 037822
Soil *phosphorus* reserves and fertilizing with phosphorus. 041137
The effect of inoculation [with nodule bacteria] on the assimilation of hardly accessible sources of *phosphorus* by **soybeans.** 037960
Supplementing *phosphorus* to young Thoroughbred horses. 034478
Phosphoric metabolism in winter wheat leaves depending on plant **supply** with *phosphorus.* 037418
Renewed interest concerning the need for lime, *phosphorus,* and some **trace** elements in cattle [nutrition]. 034328
A semiautomated procedure for the determination of *phosphorus* in **water,** waste waters and particulates. 041459
Effect of sources and levels of *phosphorus* on the **yield** and quality of berseem [Egyptian clover]. 040922

PHOSPHORYLATION

Dark oxidation-reduction **coupled** *phosphorylation* in sonicated chloroplast vesicles [Spinach]. 037694
Nucleoside diphosphate kinase of beef erythrocytes. Purification of the *phosphorylated* **form.** 033819
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a *phosphorylation* **involving** an adenosine 3':5'-cyclic monophosphate-dependent protein kinase. 034200
Studies on avian erythrocyte metabolism. II. Releationship between the **major** *phosphorylated* metabolic intermediates and oxygen affinity of whole blood in chick embryos and chicks. 033865
Changes in the **oxidative** *phosphorylation* of pea plants affected by magnesium deficiency of different intensity. 037686
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, proton flux and *phosphorylation* in the **photosynthetic** membrane [Spinach]. 037655
Phosphorylation of **ribosomal** proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
Study of coupling factors in experiments with uncoupling and reconstruction of actively and **weakly** *phosphorylating* systems of chloroplasts [Maize, peas]. 037588

PHOTINUS

Computer simulation of firefly *[Photinus,* **macdermotti]** flash sequences. 039860
Flash pattern recognition in fireflies *[Photinus* **macdermotti].** 039861

PHOTO

Quantitative *photo-interpretation* for wetland mapping [Wisconsin]. 031214

PHOTOCHEMISTRY

Carbon dioxide transfer and *photochemical* **activities** as factors of photosynthesis during ontogenesis of primary bean leaves. 037742
Photochemical **air** pollution: transport from the New York City area into Connecticut and Massachusetts. 041657
Photochemistry of **bioactive** compounds: a review of pesticide photochemistry. 039527
Functional role of *photoinduced* **electric** response of the plant during uptake of phosphorus from soil in the light [Maize, grapes]. 036940
Insect chemistry. III. Use of the *photochemical* **NORRISH** type I reaction to the synthesis of dihydroterpenediol secreted by the African monarch butterfly [Danaus chrysippus]. 039935
Photochemical **oxidants** in Yonkers, New York: [Ozone] effects on yield of bean and tomato. 039018
Photochemistry of bioactive compounds: a review of **pesticide** *photochemistry.* 039527

PHOTOGRAPHY

Merits of conventional **aerial** *photography* in an intensive natural resources inventory in Puerto Rico [Land use]. 031213
On the correction of large-scale soil studies made from **aerial** *photographs.* 040748
Aerial *photographic* monitoring of selected water quality parameters. 041296
Practical 35mm **close-up** *photography* in entomology. 039651
The use of color **infrared** *photography* for the determination of suspended sediment concentrations and source areas [Watersheds]. 041396
Applicability of Skylab **orbital** *photography* to coastal wetland mapping [Chesapeake Bay]. 031209

PHOTOMETRY

Estimation of chlorophyll in tobacco leaves by **direct** *photometry.* 037349

PHOTOOXIDATION *see* OXIDATION

The connection between *photooxidative* **transformations** of organic acids in chloroplasts and the photosystem II [Peas]. 037684

PHOTOPERIODISM

Vernalisation requirement and *photoperiod* **demand** for generative development in Poa supina (Schrad.). 037610
Photoperiodic **determination** of insect [Ostrinia nubilalis] development and diapause. III. Effects of nondiel photoperiods. 039831
Effect of *photoperiod* on **emergence** rhythm of adult Spodoptera littoralis Boisd. (Lepidoptera, Noctuidae). 039622
A comparative study of the effects of *photoperiod* on **flower** bud development and stem elongation in three varieties of Phaseolus vulgaris, L. [Kidney beans]. 037630
Photoperiodic **induction** of the diapause of the egg phase in the bloodsucking midge Culicoides pulicaris punctatus Mg. (Diptera, Ceratopogonidae). 039894
The disturbance of physiological gradient of flowering in the *photoperiodically* **neutral** species by means of ringing and biologically active substances [Tobacco]. 037397
The role of stem zones of different tiers in the flowering of plants of the *photoperiodically* **neutral** species [Tobacco]. 037401
Photoperiodic determination of insect [Ostrinia nubilalis] development and diapause. III. Effects of **nondiel** *photoperiods.* 039831
Formation of bulbs in bulb onion as affected by the *photoperiodic* **reaction** of varieties. 037851
A study of the *photoperiodic* **reaction** in the ant Myrmica rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. 039724

The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the *photoperiodic* **reaction** of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Multiple circadian rhythms **regulate** *photoperiodic* flowering responses in Chenopodium rubrum. 037673
Effect of a light-break on the growth and development of Epilobium hirsutum and Lythrum salicaria in **short** *photoperiods.* 036761
Photoperiodic and **temperature** induction of egg diapause in Aedes caspius caspius Pall. (Diptera, Culicidae). 039500

PHOTOPHOSPHORYLATION
Estimation of method for determination of *photophosphorylation* **activity** in chloroplasts of cotton leaves. 037415
Regulation by pyruvate kinase and phosphatase of inorganic phosphate **incorporation** during *photophosphorylation.* 036970
The relation of pigment composition in algae mutant cells to their resistance to **inhibitors** of *photophosphorylation.* 036976
Effect of indoleacetic acid on the *photophosphorylation* of **isolated** pea chloroplasts. 037660
Effect of gibberellin and kinetin on the rate of *photophosphorylation* in **maize** seedlings. 037424

PHOTOPRODUCTION
Photoproduction of **molecular** hydrogen by a plant [Azolla]-algal symbiotic system. 037259

PHOTORECEPTORS
The polarization sensitivity-dichroic absorption paradox in **urthropod** *photoreceptors.* 039796
Electron microscopic investigations on the structure of the *photoreceptor* **cells** in the compound eye of Ascalaphus macaronius (Insecta: Neuroptera). (Preliminary note). 039790
Energy migration from *photoreceptors* of **green** region light (500-540 nm) to the main pigments of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
Photoregeneration and the adaptation process in **insect** *photoreceptors.* 039792
Waveguide mode effects, birefringence and dichroism in fly **[Musca]** *photoreceptors.* 039797

PHOTORESPIRATION *see* RESPIRATION

PHOTOSYNTHESIS
Photosynthetic **activity** of the autotrophic tissue culture of Ruta. 036911
The implications of genetic, physiological and environmental control of chloroplast ultrastructure to the optimization of *photosynthetic* **activity.** 036974
Pigment synthesis and *photosynthetic* **activity** in carotenoid deficient mutants of maize. 037448
The influence of chlorocholine chloride on the *photosynthetic* **activity** and the transfer of assimilates to the rye roots. 037506
Photosynthetic **adaptation** in the autumnization process [Wheat]. 037447
Photosynthesis and **agricultural** production. 036955
Preliminary investigations on the possitility of applying a rapid isotopic method for comparing the intensity of *photosynthesis* in the **alfalfa** leaves. 037504
Sulphide-dependent **anoxygenic** *photosynthesis* in the cyanobacterium Oscillatoria limnetica [Blue-green algae]. 037134
Correlation between photosynthesis and photorespiration in plants with different activity of *photosynthetic* **apparatus.** 036938
Synthetic pigment-protein-lipoid complexes—models of molecular organization and functional properties of the pigment system of the *photosynthetic* **apparatus.** 036973
Functional activity of the *photosynthetic* **apparatus** in the ontogenesis of sunflower plants. 037573
Participation of adenosine triphosphatases in the transport of intermediate products of *photosynthesis* between **assimilating** tissues of C-4 plants. 037430
Photosynthesis, **assimilation** numbers, and photosynthate translocation in wheats of different stalk length. 037445
Role of *photosynthetic* **bacteria** in foul water purification. 041641
The mechanism of energy conversion in *photosynthesis* **[Bluegreen** algae, hoigher plants]. 037257
Photosynthetic **carbon** metabolism in certain plants of Vaigatch Island. 036842
Photosynthetic CO2 **[carbon** dioxide] assimilation in maize and spinach leaves and chloroplasts. 037446
Distribution of *photosynthates* in **chickpeas** Cicer arietinumL. 037752
Effect of drought on *post-photosynthetic* **conversions** of C14[carbon isotope] in [broad] bean leaves. 037579
Types of curves of the time course of *photosynthesis* and their **dependence** upon the strength and duration of leaf heating [Kidney beans]. 037869
Photosynthetic **electron** transport, ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
On the use of assimilation chambers to **evaluate** *photosynthesis* under field conditions. 037265
Actual problems of **genetics** of *photosynthesis.* 036539
Photosynthesis in **Giffordia** mitchellae [Algae]. 037330
Biochemical and genetical basis for the temperature sensitivity of *photosynthesis* and **growth** in chilling-sensitive plants. 036968
Comparative response to nitrogen deficiency of a tropical and temperate grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between *photosynthesis,* **growth,** and the accumulation of non-structural carbohydrate. 041019
Influence of some microelements and phytohormones in the *photosynthesis* **intensity** and yield of malting barley. 037552
Prevention of potato top-roll by aphicide and its effect on leaf area and *photosynthesis* **[Macrosiphum** euphorbiae]. 039314
The activity and localization of alanine- and aspartate amino-transferases in plants with *C4[carbon]-photosynthesis* **[Maize,** proso, rye]. 037395
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, proton flux and phosphorylation in the *photosynthetic* **membrane** [Spinach]. 037655
Comparison of the changes in **net** *photosynthetic* CO2 [carbon dioxide] uptake and water vapour efflux during leaf ontogenesis with the differences between the [tobacco] leaves according to their descending insertion level. 037367
Energy dissipation and *photosynthesis* in **nitrogen** and phosphorus nutrition [Sunflowers]. 037582
Summer phytoplankton [algae] *photosynthesis* in a **northeastern** Ohio glacial lake. 037145
Carbon dioxide transfer and photochemical activities as factors of *photosynthesis* during **ontogenesis** of primary bean leaves. 037742
Photosynthetically-linked **oxidation** of diaminobenzidine in blue-green algae. 037079
A closed system for measurement of *photosynthesis,* **photorespiration** and transpiration rates [Plants]. 036828
Correlation between *photosynthesis* and **photorespiration** in plants with different activity of photosynthetic apparatus. 036938
Research on *photosynthetic* **pigments** of Gracilaria verrucosa(Huds.) papenfuss [Algae]: quantitative determination of phycoerythrine. 036952
Energy migration from photoreceptors of green region light (500-540 nm) to the main pigments of *photosynthesis* in **[plant]** pathology [Phoma tracheiphila]. 038812
Genetic variation of *photosynthetic* **rate** in leaf discs of Zea mays L. [Maize]. 036544
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of crop plants. III. Variation of *photosynthetic* **rate** in different part of laf on rice, corn and sorghum plant. 037544
The genetics of *photosynthesis* and **rational** means of breeding highly productive plants. 036548
Photosynthesis and **respiration** rates of ferns [Pteridophyta]. 036758
Studies on lichen-dominated systems. XIV. The comparative ecology of Alectoria nitidula and Cladina alpestris *[Photosynthesis* and **respiration].** 036857
Structural modification of the chloroplasts caused by changes in the rate of *photosynthesis* as a **result** of dehydration of the leaf. 036941
Greater utilisation of sunlight by crop plants for maximising yield **[Rice,** *photosynthesis].* 037451
Photosynthesis in **Sitka** spruce (Picea sitchensis (Bong.) Carr.). V. Radiation penetration theory and a test case. 037914
Photosynthesis in **Sitka** spruce (Picea sitchensis (Bong.) Carr.). VI. Response of stomata to temperature. 037915
Analysis of steady **state** *photosynthesis* in alfalfa leaves. 037518
Photosynthesis of **sugarcane.** 037490
Effect of mineral fertilizer and of planting density on **sunflower** *photosynthetic* rate and net productivity. 037403
The method for estimating the CO2 [carbon dioxide] gradient in an assimilation chamber [Pinus **thunbergii,** *photosynthesis].* 037925
Photosynthesis, assimilation numbers, and *photosynthate* **translocation** in wheats of different stalk length. 037445
Trypsin-sensitive *photosynthetic* activities in chloroplast membranes from Chlamydomonas reinhardi, y-l [Algae]. 037021
Effect of sulphur eficiency on water regime and intensity of pea and **wheat** *photosynthesis.* 037701

PHOTOSYSTEMS
Reaction kinetics for positive charge accumulation on the water side of **chloroplast** *photosystem* II [Spinach]. 037697
Effects of aging on chlorophyll fluorescence and *photosystem* II **electron** transport in isolated chloroplasts [of spinach]. 037672
Lipid composition in *photosystem* **I-containing** fragments of pea chloroplast intergrana and grana thylakoids. 037704
Primary reactions of *photosystem* II at **low** pH [hydrogen-ion conentration]. I. Prompt and delayed fluorescence [Spinach]. 037654
The connection between photooxidative transformations of organic acids in chloroplasts and the *photosystem* II **[Peas].** 037684
Chlorophyll and peptide compositions in the **two** *photosystems* of marine green algae. 036810

PHOTOTAXIS *see* PHOTOTROPISM

PHOTOTROPISM
Phototaxis of the **Myxomycetes** [Fungi]: Behaviour of old plasmodia in white light [Physarum nudum]. 036847

PHRAGMITES
Observations on the performance of Narthecium ossifragum (L.) Huds. and *Phragmites* **communis** Trin [Plant competition]. 036221
Development of the gall of Giraudiella inclusa Fr. On *Phragmites* **communis** Trin. 039294

PHYCOMYCES
Study of the dynamics of formation of the surface membrane in isolated microdroplets of cytoplasm of *Phycomyces* **blakesleeanus** [Fungi]. 036307
Chemical alteration of carotene biosynthesis in *Phycomyces* **blakesleeanus** [Fungi] and mutants. 036775
Cell wall structure and mechanical **properties** of *Phycomyces[Fungi].* 036319

PHYCOMYCETES
Bibliography of distribution maps of fungi. V. Lower **fungi** *(Phycomycetes)* 1941-1974. 036005
The possible significance of variations in the mitotic systems of the aquatic **fungi** *(phycomycetes).* 036277

PHYLLOPHORA
Synthesis of glycosylureas from carbohydrates derived from hydrolyzates of marine algae and aquatic flowering plants *[Phyllophora* **nervosa,** Furcilaria fastigiata, Zostera marina]. 037009

PHYLLOSTACHYS
Isolation and fractionation of water-soluble polysaccharides from bamboo *[Phyllostachys* **edulis]** shoot [Food chemistry]. 032710
The structures of water-soluble polysaccharides isolated from bamboo *[Phyllostachys* **edulis]** shoot [Food chemistry]. 032712
On the polylamellate structure of parenchyma wall in *PHyllostachys* **edulis** Riv. 035775

PHYLLOSTICTA
Anthracnose of walnut trees (Juglans regia L.) produced by *Phyllosticta* **juglandis** (D.c.) Sacc. 038785

PHYLLOXERA
Stimulators of growth of gall tissues in *Phylloxera-infected* **grape** plants. 039364
The catastrophe also started in Switzerland 100 years ago: the course of the vine louse *[Phylloxera* **vastatrix]** epidemic. 039363
The results of anatomical and microchemical analyses of the roots of the Tbilisuri variety in relation with resistance to *Phylloxera* **[vitifoliae].** 039367
Phylloxera **vitifolii** research and biochemistry [Grape pests]. 039337

PHYLOGENY
Some informations given by the study of the anatomy of Selaginella myosurus (Sw.) **Alston** *[Phylogeny].* 036275
About the systematic status of the genus Thalassiosira Cl. and the *phylogeny* of the **family** Thalassiosiraceae Lebour emend. Hasle (Bacillariophyta) [Algae]. 035974
Some aspects of mitosis in primitive green algae: *phylogeny* and **function.** 036276
The novel flavonoid chemistry and *phylogenetic* **origin** of Phlox floridana [Genetics]. 036489
Phytochemical *phylogeny* of the Brassicaceae (Cruciferae) from the Capparidaceae. 036075
On the *phylogenetic* **position** of Brucheiser argentinus Navas 1927 and description of a second species [Brucheiser penai] from Chile (Insecta: Neuroptera). 040145

PHYSARUM
Differential cleavate of *Physarum* **[Fungi]** DNA from distinct points of S phase by restriction enzyme Eco RI. 036930
Phototaxis of the Myxomycetes [Fungi]: Behaviour of old plasmodia in white light *[Physarum* **nudum].** 036847
Cycling aggregation patterns of cytoplasmic F-actin coordinated with oscillating tension force generation *[Physarum* **polycephalum,** fungi]. 036300
Poly(adenosine diphosphate ribose) glycohydrolase in *Physarum* **polycephalum** [Slime molds]. 036786
Fluctuations in deoxyribo- and ribonucleoside triphosphate pools during the mitotic cycle of *Physarum* **polycephalum** [Fungi]. 036816
DNA replication in homogenates of *Physarum* **polycephalum** [Fungi]. 037022
The mitotic oscillator in *Physarum* **polycephalum.** [Fungi]. 037078
DNA breakage caused by dimethyl mercury and its repair in a slime mould, *Physarum* **polycephalum** [Fungi]. 037131
Restriction enzyme digests of the heavy nucleolar satellite deoxyribonucleic acid of *Physarum* **polycephalum** [Fungi]. 037313
The thermostability of two types of protoplasmic streaming in *Physarum* **polycephalum** [Fungi] plasmodia. 037323

PHYSICOCHEMISTRY
Studies on *physicochemical* and **biological** properties of two ungrouped arboviruses: Minnal and Arkonam [Isolated from Culex vishnui and Anopheles subpictus]. 039464

Preservation of milk with hydrogen peroxide. II. *Physicochemical* **changes** in milk with respect to rennet action. 032967
The influence of ultrasonic waves on basic microorganisms of wine. II. The relationship between the effect of ultrasonic waves on the *physicochemical* **composition** of bactericides in a workable medium. 033346
Production of high-protein quality pasta products using a semolina-corn-soy flour mixture. II. Some *physicochemical* **properties** of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Physicochemical **properties** of black liquors from sulfate cooking of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. 035816

PHYSICS

Recent advances in the chemistry and *physics* of **milk** and milk products for standardisation of processing and manufacture. 032999
Studies in **soil** *physics* and agrohydrology on the young coastal plain of Surinam, South America. 040839

PHYSIOLOGY

Seasonal changes in *physiological* **age** composition of tabanid (Diptera) populations in southern Ontario. 039857
Importance of zinc and its detection in biological material **[Animals,** *physiology].* 034231
Morphological and *physiological* **bases** of some locomotor disturbances of swine raised on a large-scale. 035381
Role of single chromosomes of Agropyron glaucum X genone in the inheritance of the *physiological* **basis** of winter hardiness. 036526
Physiological and **biochemical** changes in tobacco plants after their inoculation with potato Y virus (Solanum virus 2 Smith). 038898
Bibliography [Plants, *physiology,* **biochemistry,** diseases, equipment, anatomy]. 035927
Morphological and *physiological* **characteristics** of the apical meristem of the shoot of Quercus robur at various stages of ontogeny. 036331
Research on the *physiology* of **citrus** fruit. 037717
The preparation and assessment of the *physiological* **competence** of isolated chicken hepatocytes. 034213
Investigations into the *physiological,* **comulative** and post-effect of pesticides in the seed production of peas. 039521
Postharvest requirements of lettuce to **control** *physiological* disorders. 033402
Diseases and *physiological* **damage** to leaves of pome fruit. 038980
Studies of *physiology* for **development** of sour dough-bacteria. 4. The effect of different systems by the storage of sour dough on its microflora. 033237
Remarks on research methods in the **developmental** *physiology* of plants. 037084
Some *physiological* **differences** in arabica and robusta coffee plants grown in normal soil. 036982
Physiological **differences** among populations of Anthoxanthumodoratum L. collected from the Park Grass Experiment, Rothamsted. IV. Response to potassium and magnesium. 037471
Control of bitter pit in apples with lecithin and calcium *[Physiological* **disease].** 039039
The phenomenon of "depression" in hardwood, broadleaved forests *[Physiological* **diseases,** forest trees]. 039031
Nutritional and *physiological* **effects** of nitrates, nitrites, and nitrosamines. 032181
Physiological **effects** of "ballast substances" of cereals. 032249
What is the possible role of gibberellin in the breaking of potato dormancy? I. *Physiological* **effects** of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
The implications of genetic, *physiological* and **environmental** control of chloroplast ultrastructure to the optimization of photosynthetic activity. 036974
First the blossoms and then the leaves [Tussilago **farfara,** *physiology].* 037784
Developments in **fermentation** *physiology* and microbiology [in wine making]. 033389
Possible occurrence of *physiologic* **forms** of Sphacelotheca sorghi. 038705
Influence of the level of potassium nutrition on the *physiological* **functions** of tropical plants and the quality of their products [Bananas, pineapples, cotton]. 036978
Physiological and **genetic** effects of seed treatment with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. 036465
Genital *physiology* of the mare. 034572
The disturbance of *physiological* **gradient** of flowering in the photoperiodically neutral species by means of ringing and biologically active substances [Tobacco]. 037397
Anatomy and *physiology* of the **grapevine.** 036354
Variations of the *physiological* and **hormonal** state of cotton bolls and their relations to subsequent release of abscission. 037386
Sensitivity to *physiological* **hunger** cues: are the obese really different? 032416
Possibility of diagnosing resistance of grain legumes to low positive temperatures from *physiological* **indexes.** 037419
Genetical and *physiological* **investigations** on mutants for polyenoic fatty acids in rapeseed, Brassica napus L. I. Selection and description of new mutants. 036718
Mammary lymphology and *physiology* of **lactation** [Includes livestock]. 033840
Gibberellin promotion of *physiological* **leaf** spot [non-pathogenic disorders] in detached 'Golden Delicious' apple leaves. 037793
Comparative studies on the *physiology* of **leaf,** neck and earhead isolates of Helminthosporium sativum Pam., King and Bakke parasitic on wheat crop in Karnataka. 038748
Reference list: postharvest handling and *physiology* of **lettuce.** 033403
Techniques and practice in milk production. 1. Lactation and milking *[Physiology* of **mammary** gland]. 033737
Genetic and *physiological* **mechanisms** of the regularity of earliness in annual plants. 036646
Nutritional *physiological* importance of drinks on whey basis for osmolarity. 032389
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and **nutritional** *physiology.* 1. The effects of conservation on quality, losses, and variation in nutritive value. 034331
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and **nutritional** *physiology.* 2. Roughage consumption, time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
Development and *physiology* of the **oocyte-nurse** cell syncytium [Insects]. 039609
Physiological **optics** of the fused rhabdom [Apis mellifera]. 040237
The whey proteins as indicators of the *physiological* or of the **pathological** status of the mammary gland. 033747
Physiological **peculiarities** of winter soft wheat sterile analogues with Triticum timopheevi Zhuk cytoplasm. 036481
Physiological ways of **plant** adapatation against drought. 036733
Sugar and honey types **[Plant** *physiology* and biochemistry]. 036803
Seventieth birthday of Ivan Navumavich Rakhtseenka **[Plant** *physiology,* ecology]. 037002
Preliminary *physiological* studies on cowpea rhizobia [in Nigerian soils]. 040800
Physiological **principles** for the development of complete diets. 034338
Physiological-biochemical **properties** of lactic acid bacteria of haylage. 033575
Physiological and **psychological** analysis of the acceptability of acute rodenticides by rats. 039020
A study on wheat powdery mildew in Bulgaria. II. *Physiological* **races** of wheat powdery mildew (Erysiphe graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607
The storage of cow eggs at room temperature and at low temperatures **[Reproductive** *physiology].* 034702
Activities and results obtained in *physiological* **research** [Viticulture]. 037740
The *physiology* of the **salivary** myoepithelial cells. 033964
Gradient system of chlorine and ash distribution in plants and its *ecological-physiological* **significance.** 037276
The *physiology* of **silicon** in rice. 037592
Interventions of the *physiological* **stage** [parturition, lactation] and iodine in the feed on the amount of protein-bound iron and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
Patho-physiological **studies** on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN [polymorphonuclear]-leukocytes [Rabbits]. 035304
Physiological **studies** in senescent leaves of sugarcane var. Co. 740. 037454
Physiological **studies** on salt tolerance in Pisum sativum (L.). III. Growth and maturation [Peas]. 037615
Physiological **study** of ergot [Claviceps fungi]: induction of alkalois synthesis by tryptophan at the enzymatic level. 037012
Some *morpho-physiological* and **symbiotic** properties of polyploid forms of pea nodule bacteria [Rhizobium leguminosarum, alfalfa]. 037680

PHYTASE

The influence of humic acids on *phytase* **activity** isolated from wheat seeds. 037371

PHYTOCHEMISTRY

Phytochemical **investigation** of Hippeastrum vittatum growingin Egypt. II. Isolation and identification of new alkaloids. 037195
Phytochemical **phylogeny** of the Brassicaceae (Cruciferae) from the Capparidaceae. 036075

PHYTOCHROMES

Characterization of the *phytochrome-containing* **particles** obtained by glutaraldehyde prefixation of maize coleoptiles. 037477
Rhythmic oscillations of *phytochrome* and its **pelletability** in Cucurbita pepa L. [Squash]. 037791

PHYTOCOENOSES

Seed yield and reproduction of perennials in **Artemisia** *phytocoenoses* in the Pamir. 036843

PHYTOCOENOSIS

High-mountain birch forests in the Transcaucasia and their *phytocoenotic* **characteristics.** 036180
Changes in lower layers of a **forest** *phytocoenosis* under the influence of a faint increase of light intensity. 037325

PHYTOESTROGENS

Phytoestrogens: **adverse** effects on reproduction in California quail. 034803

PHYTOGEOGRAPHY

Phytogeographic **provinces** along the coasts of the northern Atlantic Ocean. 036109

PHYTOHORMONES

The role of *phytohormones* in **breaking** deep dormancy of Acerseeds, depending on their maturity. 037900
The effect of *phytohormones* and **inhibitors** on the growth of pea and wheat dwarfs during presowing treatment of seeds. 037399
Influence of some microelements and *phytohormones* in the **photosynthesis** intensity and yield of malting barley. 037552

PHYTOMEDICINE

Phytomedicine between **science** and practical agriculture. 039080

PHYTOMYZA

Materials concerning the morphology, biology and taxonomy of some species of *Phytomyza* **Fallen** (Diptera, Agromyzidae). 039994

PHYTOPATHOGENS

Improved DNA-DNA hybridization as a taxonomic tool for *phytopathogenic* **bacteria.** 038867
Comparative properties and action patterns of the hemicellulases from the *phytopathogens* **Ceratocystis** paradoxa and Cephalosporium sacchari. 038817
Contribution to the study of cytokinin production by *phytopathogenic* **fungi** [Monilia, Cytospora]. 038579

PHYTOPATHOLOGY

The interaction of 2,6-disulphoanthrachinone radical-anions with the ions of transitive valency **metals** *[Phytopathology].* 039060
Phytopathology **program** of the National Program for Sugarcane Improvement, the Sugar and Alcohol Institute, Brazil. 038962

PHYTOPHAGOUS

Phytophagous **insects** of the weed Trichodesma incanum (Bge.) D. C. in Uzbekistani. 039114
Integrated control of *phytophagous* **mites** [Apples]. 039325

PHYTOPHTHORA

Investigations on the development of *Phytophthora* **cactorum** (Leb. et Cohn) Schroet. in soil. 038840
Investigations on the soil phase of *Phytophthora* **cactorum** (Leb. et Cohn) Schroet. with fluorescent optical direct observation. 038841
Alkaloids of Urginea altissima and their antimicrobial activity against *Phytophthora* **capsici.** 037159
The characterization of 6-(pent-1-enyl)-alpha-pyrone from Trichoderma viride [and its biological activity towards the plant pathogenic fungus, *Phytophthora* **cinnamomi].** 037180
Study on *Phytophthora* **cinnamomi** of avocado in Cameroon. 038622
A possible phytotoxic effect of copper on dwarf coconut palms [during **control** of *Phytophthora].* 039061
Prothiocarb as a means of **controlling** *Phytophthora* cactorum(Leb. & Cohn) Schroet. on strawberries. 038826
Determination of losses of the potato yield due to *Phytophthora* by the **dynamics** of injuries on leaves. 038799
Light-induced inhibition of sporangial formation of *Phytophthora* **infestans** on potato leaves. 038583
Dry rot *[Phytophthora* **infestans]** of potatoes is very serious. 038627
The relation of rainfall, relative humidity and temperature to late blight *[Phytophthora* **infestans]** of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Involvement of DNA in resistance of potatoes to invasion by *Phytophthora* **infestans.** 038755
Phytophthora root rot *[Phytophthora* **megasperma]** in seedingyear alfalfa as affected by management practices inducing stress. 038598
Ultrastructural changes and a second mode of flagellar degeneration during ageing of *phytophthora* **palmivora** [Fungi] sporangia. 037023
A dominant gene conferring disease resistance to tobacco plants is expressed in tissue cultures *[Phytophthora* **parasitica** nicotianae, black shank]. 038759
Screening tobacco seedlings for resistance to *Phytophthora* **parasitica** var. nicotianae [black shank]. 038773
Phytophthora **root** rot [Phytophthora megasperma] in seedingyear alfalfa as affected by management practices inducing stress. 038598
Note on a canker of the mango caused by *Phytophthora* in **theInvory** Coast. 038621

PHYTOPLANKTONS

The dynamics of nitrogen and phosphorus cycling in the open waters of the Chesapeake Bay *[Phytoplankton,* **algae].** 036721
An evaluation of ATP [adenosine triphosphate] estimations of bacterial biomass in the presence of *phytoplankton* **[Algae].** 037087

Uptake and release of phosphorus by *phytoplankton* **[Algae]** in the Chesapeake Bay Estuary, USA. 037096
Phytoplankton **[Algae]** models and eutrophication problems. 041543
Excretion of ammonia and inorganic phosphorus by Euphausia pacifica and Metridia pacifica at different **concentrations** of *phytoplankton.* 037046
A fluorometric technique for measuring sinking rates of **freshwater** *phytoplankton* [Algae]. 037085
Phosphorus quota and the chlorophyll: carbon ratio in **marine** *phytoplankton* [Algae]. 037091
Correlation between oxygen utilization and electron transport activity in **marine** *phytoplankton* [Algae]. 037093
Effects of power-plant cooling system on **marine** *phytoplankton* [Algae]. 037094
Measurements of electron transport activities in **marine** *phytoplankton* [Algae]. 037095
Coccolithophorid distribution and ecology in coastal waters of North **Norway** *[Phytoplankton].* 036237
Some observations on the **Oceanic** *phytoplankton* collected inthe vicinity of New Caledonia (southwestern Pacific Ocean). 036088
Growth of **oceanic** *phytoplankton* [Algae] in enrichment cultures. 037088
Possible effect of lower phosphorus concentrations on the *phytoplankton* in **Onondaga** Lake, New York, U.s.a. [Pollution]. 037154
The natural history of the Hardangerfjord. 12. The late summer water exchange in 1956, its effect upon *phytoplankton* and **phosphate** distribution, and the introduction of an offshore population into the fjord in June, 1956. 037255
Chromatographic analysis of *phytoplankton* **pigments** in the northwest Mediterranean sea and near the Atlantic coast of Morocco. 036999
Some effects of agricultural development and fluctuations in water level on the *phytoplankton* **productivity** and zooplankton of a New Zealand reservoir [Eutrophication]. 041522
Summer *phytoplankton* [algae] photosynthesis in a northeastern Ohio glacial lake. 037145

PHYTOSANITARY

Aseptic culture of soybean and peanut embryonic axes to **improve** *phytosanitation* of plant introductions [to control virus diseases]. 038939
Phytosanitary **measures** in concentrated, industrial field vegetable production. 038983

PHYTOSEIIDAE

Organophosphorus resistance in a peach orchard population of predacious mites **[Acarina,** *Phytoseiidae].* 039339
The *Phytoseiidae* **(Acarina:** Mesostigmata) of Puerto Rico [New taxa]. 040088
On the fauna of predatory mites of *Phytoseiidae* **(Parasitiformes)** from the Yaroslavl district [New taxa]. 040053

PHYTOSEIULUS

The effect of insect growth regulators (IGR) on spider mites and predaceous mites [Tetranychus urticae, *Phytoseiulus* **persimilis].** 039248
Population increase of *Phytoseiulus* **persimilis** on differentinsectary feeding programs [Tetranychus pacificus, beans, pests]. 039343

PHYTOTOXIC

Optimization of the nutrient medium for the biosynthesis of *phytotoxic* **metabolites** of Myrothecium verrucaria VKMF-183 [Soil fungi]. 040754
A **possible** *phytotoxic* effect of copper on dwarf coconut palms [during control of Phytophthora]. 039061
Isolation of *phytotoxic* **substances** produced by Cephalosporium gregatum Allington & Chamberlain [Brown stem rot of azuki beans]. 038816

PHYTOTOXICITY

Phytotoxicity and **biological** efficacy of fungicides with special consideration to the technique of application [Grapes]. 038637
Phytotoxicity of **copper** treated burlap on balled and burlapped Cotoneaster divaricata Rehd. & Wils. 038993
Weed control and *phytotoxicity* of **herbicides** in Dutch Iris; progress report. 039123

PHYTOTOXINS

Head fungi [Curyvularia lunata] of sorghum, *phytotoxins* **andtheir** effects on seed germination. 038690
Determination of the toxicity and *phytotoxin* of some **cover** crops [Indigofera, Paspalum notatum] inhibiting the growth of banana. 039136

PICEA

Choosing provenances of Norway spuce *[Picea* **abies]** in northern Sweden. 035633
The development of Norway spruce *[Picea* **abies]** plantations in northern Sweden. 035637
An economic model for selection of [forest] tree varieties [Fagus, *Picea* **abies].** 035641
Norway spruce *[Picea* **abies]** cultivation in the Baltic Province. 035671
Some wood quality properties of Danish grown grand fir [Abies grandis] and Norway spruce *[Picea* **abies].** 035734
Vertical distribution of microfungi in a spruce *[Picea* **abies]** forest soil in the south of Sweden. 036166
A comparative study of the wood destroying capacity in vitro of some butt-rot fungi in spruce *[Picea* **abies].** 038609
Measurement of phosphatase and esterase activity in Norway spruce *[Picea* **abies]** needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973
Contribution to the control of spruce gall aphids of the genus Sacchiphantes on Norway spruce *[Picea* **abies].** 039378
A new species of the ectoparasitic nematode (the genus Trichodorus [yokooi] from coniferous [Abies nephrolepis and *Picea* **ajanensis]** forests of the Far East of the USSR. 039049
Picea **culture** under the forest canopy. 035667
Negative secondary effect from green manuring with yellow lupine **[Fertilizing** *Picea* abies and Picea omorika]. 040904
Influence of illumination and litter-drop on the development of certain species of mosses [Musci, *Picea,* **forests].** 036251
Forest residues in hemlock-spruce *[Tsuga-Picea]* **forests** of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
Root regeneration of fall-lifted white spruce *[Picea* **glauca]** nursery stock in relation to soil moisture content. 035642
Effect of three species of logging slash [from Populus tremuloides, Pinus banksiana, and *Picea* **mariana].** 035745
Height growth of black spruce and jack pine *[Picea* **mariana,** Pinus banksiana] seedlings in flooded flats. 037911
Negative secondary effect from green manuring with yellow lupine [Fertilizing Picea abies and *Picea* **omorika].** 040904
A Southwestern mixed conifer plantation—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, *Picea* **parryana].** 035692
Forest tree seed orchards in Sweden, 1975 **[Pinus,** *Picea].* 035634
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of spruce *[Picea]* **plants** to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Protection of *Picea* **polita** forest against typhoons and its restoration on the damaged area in Yamanaka Forest Reserve. 035465
Seedfall studies in red spruce *[Picea* **rubens,** seed collection]. 035643
Early frost damage on Sitka spruce *[Picea* **sitchensis]** seedlings and the influence of phosphorus nutrition. 035472
The influence of mineral nutrition on the development of individual roots of sitka spruce *[Picea* **sitchensis].** 037890
The effect of wind and humidity on leaf diffusive resistance in Sitka spruce *[Picea* **sitchensis].** 037917
Chemical and physical properties of tumor-affected sitka spruce *[Picea* **sitchensis].** 037940
Photosynthesis in Sitka **spruce** *(Picea* sitchensis (Bong.) Carr.). V. Radiation penetration theory and a test case. 037914
Photosynthesis in Sitka **spruce** *(Picea* sitchensis (Bong.) Carr.). VI. Response of stomata to temperature. 037915
Results from some research in northern Sweden with provenance hybrids of Norway **spuce** *(Picea* abies). 035636
Duration and course of response to nitrogen fertilizer in pine and spruce [Pinus, *Picea]* **stands.** 040887

PICHIA

Purification and properties of polyol: NADP [niconinamide adenine dinucleotide phosphate] oxidoreductase from *pichia* **quercuum** [Fungi]. 036731

PICKLING

Studies on Egyptian black olives. I. Raw **materials** used in the *pickling.* 033318
Controlled fermentation of cucumbers with pure bacterial **strains** *[Pickling].* 033449

PICLORAM

The colorimetric method of determining the **herbicide** *picloram* [residues] in the soil. 039523

PICORNAVIRUSES

Picornaviruses of **laboratory** and wild Drosophila melanogaster: Geographical distribution and serotypic composition. 039615

PICTUS

Peokilocerus *pictus* in the Punjab [Calotropis procera]. 039241
Scolopostethus *pictus* (Schilling) (Hemiptera, Lygaeidae) in Scotland. 040029

PIED

Fattening and slaughter performance results of German **Black** *Pied* young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
Influence of feeding level on the fattening performance and carcass quality of **Black** *Pied* bulls. 034498
Comparative study on the effect of fattening Bulgarian Brown bull calves and F1 **Black** *Pied* crosses. 034534
New model for **Black** *Pied* cattle. 034743
Course of parturition and rearing performance of heifers of the **Black** *Pied* dairy cattle genotype based on Simmental cattle. 034830
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with **Black** *Pied* cows. 034837
Effect of antibiotics on some metabolic processes in **Black** *Pied* bulls. 035203
Comparative study: carcass and meat characteristics in young bulls of the Campine **Red** *Pied* and Charolais breeds slaughtered at the age of 16 months. 033038
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young Campine **Red** *Pied* bulls slaughtered at 16-17 months. 033607

PIEDMONT

New discoveries in *Piedmont* **flora.** 036017
Dietetic habits and food consumptions by aged people in *Piedmont;* **individual** analysis. 032390
Pests of the grapevine: The exceptional damage caused in the *Piedmont* **region** by Vesperus strepens F. (Coleoptera, Cerambycidae]. 039340

PIERIS

Chalcid wasps from [cabbage] butterfly *[Pieris* **brassicae]** pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. 039347
Pieris **'Brouwer's** Beauty': a spontaneous hybrid of Pieris floribunda and Pieris japonica. 038251

PIGEONPEAS

Effect of host and nonhost crop seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt **disease** of *pigeonpea].* 038684

PIGEONS

Comparative aspects of buffering capacity in muscle **[Chickens,** *pigeons].* 034173
Carbamate poisoning: Effect of certain carbamate pesticideson esterase levels in the pheasant (Phasianius colchicus) and *pigeon* **(Columba** livia). 039556
Effect of calcium ions on pyruvate carboxylase from *pigeon* **liver.** 033794
New *pigeon* peas for old [Varieties]. 038042
Infection and pathological histology of *pigeon* **pea** (Cajanuscajan (L.) Millsp.) plants inoculated with pathogenic and nonpathogenic formae speciales of Fusarium oxysporum. 038839
Anthracnose of arhar *[pigeon* **peas]** incited by Colletotrichum truncatum. 038673
Different regulation of hepatic ketogenesis during starvation in **rats** and *pigeons.* 033985
Effect of spinal deafferentation on temperature regulation and spinal **thermosensitivity** in *pigeons.* 034127

PIGMENTS

L.). B. Flower color and flower **color** *pigmentation* in the spontaneous and artificial color sports Azalea indica L. Btusum Planch. (Azalea indica L. & Azalea japonica. 037788
The relation of *pigment* **composition** in algae mutant cells to their resistance to inhibitors of photophosphorylation. 036976
Terpenoid, especially **diterpenoid** *pigments* [in plants]. 036801
Structural organization and the *pigment* **fund** of the plastid apparatus of the unit of the leaf surface area and the productivity of flax under different conditions of zinc and copper nutrition. 037576
The *pigment* **fund** of [pea] chloroplasts as a function of the spectral composition of light. 037867
Fungus *pigments.* XXIII. Tridentoquinone, a [13](3,6)Benzofuranophane from Suillus tridentinus (Boletales). 036865
Colors and *pigments:* **introduction** [Plants]. 036795
Pigments and **lipids** in the humic acids of some Canadian lake sediments. 040632
Energy migration from photoreceptors of green region light (500-540 nm) to the **main** *pigments* of photosynthesis in [plant] pathology [Phoma tracheiphila]. 038812
Muscle *pigment* and meat color. 033060
Research on **photosynthetic** *pigments* of Gracilaria verrucosa(Huds.) papenfuss [Algae]: quantitative determination of phycoerythrine. 036952
Chromatographic analysis of **phytoplankton** *pigments* in the northwest Mediterranean sea and near the Atlantic coast of Morocco. 036999
Content of **plastid** *pigments* in winter wheat leaves in autumn-winter-spring period. 037412
Quinoid *pigments* [found in all plant organs]. 036800
Betalains [Cell **sap** *pigments* confined to Centrospermae]. 036792
Properties and functions of **screening** *pigments* in insect eyes. 039794
Pigment **synthesis** and photosynthetic activity in carotenoid deficient mutants of maize. 037448
Synthetic *pigment-protein-lipoid* complexes—models of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. 036973
Pigments of the **vegetable** organs of soft winter wheat plants with cytoplasmic male sterility. 036466
Dark regeneration of invertebrate **visual** *pigments* [Butterflies]. 039789

PIGS

The effect of tylosin **[antibiotic]** in *pigs.* 035230
Neutralization of pheromones by **antisera** in *pigs.* 033927

Coronary **arteries** of *pigs*. 033746
Sties for **baby** *pigs* [Housing]. 033645
Nutritional studies with the early weaned neonatal pig [**Baby** *pigs]*. 034414
Reproductive potency of sows reared as **baby** *pigs* by early weaning. 034863
Immunoglobulins on the surface of lymphocytes in ontogeny [**Baby** *pigs]*. 035063
Congenital tremor of **baby** *pigs*—a current problem of large-scale swine husbandry. 035378
Diagnosis of hypoglycemia in **baby** *pigs* with the aid of Dextrostix. 035379
Propionic acid-treated barley in the diets of **bacon** *pigs*. 034274
Effects of simultaneous reductions of food intake and dietary protein concentration on the growth and carcass quality of **bacon** *pigs*. 034401
Large litters, **big** *pigs* from Duroc cross [Swine, breeding]. 034773
Acid-base values of *pig* **blood.** 034221
The effect of physical stress on the values of the indexes of the acid-base homeostasis of the **blood** of *pigs*. 034227
Detection of Yersinia enterocolitica in the feces and meat of *pigs*, **bovines** and poultry. 035062
Combined effect of the genotype and the environment on performance **characteristics** in *pigs*. 034624
The behaviour of porcine cytomegalovirus in **commercial** *pig* herds. 035114
The serology of Bordetella bronchiseptica isolated from *pigs* **compared** with strains from other animal species. 034955
Large litters, big pigs from *Duroc* **cross** [Swine, breeding]. 034773
The effect of experimental lard diet on the occurrence of the signs of vitamin E **deficiency** in *pigs*. 035374
Influence of restrictive use of antibiotics on the development of drug resistance in intestinal Escherichia coli from *pigs* [**Diarrhea**]. 035171
Prediction of the digestible energy in *pig* **diets** from analyses of fibre contents. 034273
Etiology of gastrointestinal **diseases** of *piglets*. 035243
Research in *pig* **dysentery** attributed to the pathogene organism Treponema hyodysenteriae. 035193
The effect of dietary concentrations of digestible energy on the performance and carcass characteristics of **early-weaned** *pigs*. 034277
Observations concerning the relationship between some epizootologic factors and the frequency of lesions in *pig* **enzootic** pneumonia. 035191
Observations on the Ca2+ +Mg2+) [calcium and magnesium ions]-ATPase activator found in various mammalian [Calf, cow, *pig]* **erythrocytes.** 033806
Renal regulation of phosphate **excretion** in the *pig*. 034161
Determination of lysine and methionine requirements. II. Establishment of amino acid supplies in **fattening** *pigs* by the determination of certain parameters of the blood plasma. 034249
The value of meat and bone meal as the major protein concentrate in the diet of weaners and **fattening** *pigs* in the tropics. 034377
Study of the effect of forage mixtures with stabilized and non-stabilized knackery fat, used after storage, for **fattening** *pigs*. 034538
The use and abuse of antibacterial drugs in *pig* **feed.** 034460
A preliminary evaluation of mecadox [in *pig* **feeds**]. 034459
Verification of Tylan effectiveness in *pigs* under **field** conditions [Antibiotics]. 035275
The digestion of the glycoprotein from *pig* **gastric** mucus with pepsin and other proteolytic enzymes. 034209
Factors affecting serum creatine phosphokinase activity in *pigs* [**Genetic** marker for malignant hyperthermia syndrome]. 035348
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in **germfree** *piglets*. 035064
A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, magnesium, sodium, potassium] by *pigs* **growing** at a high ambient temperature. 033738
A note on rationing of **growing** *pigs* according to age. 034272
Evaluation of "piegon grass" screenings as a component of rations for **growing-finishing** *pigs*. 034452
Activity of phosphofructokinase in some organs of **guinea** *pigs* with different ascorbic acid allowances of their organism. 032479
Guinea *pig* liver L-asperaginase. Separation, purification, and intracellular localisation of two distinct enzymatic activities. 033798
Postnatal development of pyrogenic sensitivity in **guinea** *pigs*. 034019
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some animals [Dogs, rats, **guinea** *pigs*, hens]. 034034
Guinea *pig* transfer factor-like activity detected in vitro. 034147
The use of radioactive microspheres to quantitate hyperemia in dermal inflammatory sites [**Guinea** *pigs*, rabbits]. 034157
Studies on collagen synthesis in the mature dermal scar in the **guinea** *pig*. 034208
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and peritoneal macrophages from normal **guinea** *pigs*. 034980
Studies on Bacteroides fragilis group. 1. Distribution of Bacteroides fragilis group in the large intestine of **guinea** *pigs* and chickens. 035011
The immunogenic activity of ribosomal fractions derived from Brucella abortus [Mice, **guinea** *pigs]*. 035115
Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, **guinea** *pigs*, immunological responses]. 035138
Patho-physiological studies on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from **guinea** *pig* PMN [polymorphonuclear]-leukocytes [Rabbits]. 035304
Mammary neoplasia in the **guinea** *pig* (Cavia porcellus). 035311
Treatment of digestive disturbances in the **guinea** *pig*. 035359
Sensitizing activity of plant radiotoxins [Allergic reaction in mice and **guinea** *pigs]*. 035437
Studies on Dieffenbachia picta Schott: toxic effects in **guinea** *pigs*. 035446
Larvae of Calliphoridae as pathogens of myiasis in **guinea** *pigs*. 039490
Management and nutrition of early weaned pigs. 3. A comparison between machine-fed and **hand-fed** *pigs*. 034474
Lipid composition and protein profiles of outer and inner membranes from *pig* **heart** mitochondria. Comparison with microsomes. 033805
Pig **heart** mitochondrial ATPase [adenosine triphosphate]: properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Special features of Pi [phosphate] transport in *pig* **heart** and rat liver mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823
Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from cells infected with *pig* **herpes** virus 1. 035216
Methodological questions of *pig* **hybridization.** 034540
Ontogeny of the *pig* **hypothalamic** neurosectory system with particular reference to the distribution of neurophysin. 033860
The role of **immune** *pig* colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. 035064
Pig **improvement**—where is it leading us? [Breeding]. 034774
Preweaning mortality in *pigs*. 6. **Incidence** and causes of pneumonia [Streptococcus, Haemophilus parahaemolyhticus, Bordetella bronchiseptica]. 035174
Occurrence of arthritis in sucking piglets in an **industrialised** *pig* breeding unit. 035363
Capillaria **infection** in a *pig*. 035158
Using rapeseed meal as a feed **ingredient** for *pigs*. 034253
The occurrence of C19 [carbon] steroids in testicular tissue and submaxillary glands of **intersex** *pigs* in relation to morphological characteristics. 034699
Phenol red as an indicator of the flow rate of digesta along the small **intestine** of *pig*. 033715
Pig **kidney** epithelial (PS) cells: a perfect tool for the study of Flaviviruses and some other arboviruses. 034960
Course of transmissible gastroenteritis (TGE) of swine in a **large** *piglet* unit prior to and following the use of Riems TGE vaccine. 035151
Carboxylic ester hydrolases in the thyroid gland of the *guinea-pig*. A **light** microscopic study. 033917
A study of the effects of diet composition, within the pounds of normal diversity, on the characteristics of backfat **lipid** in *pigs*. 034399
Adenosine triphosphate: nicotinamide mononucleotide adenylyltransferase of *pig* **liver.** Purification and properties. 033784
Plasma luteinizing hormone and testosterone in the adult **male** *pig:* 24 hour fluctuations and the effect of copulation. 034671
Immunoglobulin-containing cells in *pig* **mammary** gland. 033996
Characteristics aspects of iron **metabolism** in *piglets*. 034096
Experimental Phomopsis leptostromiformis **mycotoxicosis** of *pigs*. 035127
Improving a **nation's** *pigs* [Breeding]. 034772
Glucagon stimulation of hepatic gluconeogenesis in **neonatal** *pigs*. 034151
Nutritional studies with the early weaned **neonatal** *pig* [Baby pigs]. 034414
Amino acid transport by the helicoidal colon of the **new-born** *pig*. 033785
Kinetics of 3-O-methyl glucose transport in red blood cellsof **newborn** *pigs*. 034062
Influence of dietary levels of vitamin E and selenium of tissue and blood **parameters** in *pigs*. 034353
Genetic determination of the malignant hyperthermia syndrome in the **Pietrain** *pig*. 034570
On causes influencing development of enzootic **pneumonia** in *pigs*. 035267
Preliminary studies on polymorphism of hemopexins in blood serum of Large White **Polish** *pigs*. 033908
The distributions of the combinations of the sexes in mammalian litters *[Pigs,* **rabbits** and mice]. 034623
Reliability of the enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of Trichinella spiralis infections in conventionally **raised** *pigs*. 035118
Organ and interacellular localization of short-chain acyl-CoA synthetases in **rat** and *guinea-pig*. 033808
Effect of different bathing media on the short-circuit current across the intestine of the **rat** and *guinea-pig*. 033891
Cutaneous heat exchanges of *piglets* **reared** in a tropical climate. I. Influence of climatic conditions and influence of the breed. 033748
Operative experiences on the new battery system of *piglet* **rearing.** 033596
Growth hormone and somatomedin activities in lines of *pigs* **selected** for rate of gain and thickness of backfat. 033697
The Carcass value of *pigs* **slaughtered** at equal weight or same age. 1. Comparison of the mean values and variation coefficients. 033044
The incidence of toxoplasma antibodies among sheep, cattle and *pigs* **slaughtered** in a Belgian slaughter-house. 034993
The relationship between peptide hydrolases of cytoplasm and brush borders of *guinea-pig* **small-intestinal** mucosa. 034215
The fertilizing capacity of epididymal **spermatozoa** in the *pig*. 034697
Comparison of in vitro and in vivo cell cycle parameters of lymphoid cells in *pig* **spleens.** 033857
Some properties of IgG [immunoglobulin G1] and IgG2 [immunoglobulin G2] globulins from normal and adjuvant **stimulated** *guinea-pigs*. 033925
The slow wave in the circular muscle of the *guinea-pig* **stomach.** 034080
What is a **stress-sensitive** *pig?* 033905
Occurrence of arthritis in **sucking** *piglets* in an industrialised pig breeding unit. 035363
Thyroxine utilization rate in **suckling** *pigs*. 033724
Genetic polymorphism of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in *pigs* of the **Swedish** Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606
Genetic parameters estimated on data from the **Swedish** *pig* progeny testing with special emphasis on meat colour. 034827
Neonatal behavior and nutrition-related mortality in domestic **swine** *[Piglets]*. 034005
Endocrine activities of the blastocyst and early embryonic **tissue** in the *pig*. 034199
Rate of passage of chromic oxide and polyethylene glycol and digestibility in the digestive **tract** of *pigs*. 034424
Some biochemical **values** in *pigs*. 034233
Management and nutrition of early **weaned** *pigs*. 1. Effect ofage at weaning upon incidence of scours, performance and survival. 033661
Management and nutrition of early **weaned** *pigs*. 2. Effect ofvarying levels of fiber in the diet upon incidence of scours, performance and survival. 034473
Management and nutrition of early **weaned** *pigs*. 3. A comparison between machine-fed and hand-fed pigs. 034474
Effect of enzyme preparation addition to mixtures for early **weaned** *piglets* and broiler chickens. 034535
Feeding **whey** to *pigs*. 034254
Effects of a diet containing 40 percent dried whey on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester **white** *pigs*. 034409
Study on litter size and litter weight at birth and weaning in middle White **Yorkshire** *pigs* [heritability]. 034652

PILI

The structure of *pili* **(fimbriae)** of Moraxella bovis [Bacteria pathogenic to animals, infectious keratitis]. 035039
Experimental production of infectious bovine keratoconjunctivitis: comparison of serological and immunological responses using *pili* **fractions** of Moraxella bovis. 035030

PILOSE

Effects of *pilose,* **pubescent,** and smooth cottons on the cotton leafperforator [Bucculatrix thurberiella]. 039274

PILOT

FAO/UNDP [United Nations Development Program] *pilot* **project** paves the way for use of marginal water sources. 041344
Contribution to behavior of deckboard-stringer joints to [wood] pallet performance, a *pilot* **study.** 035865

PIMA

Effects of R1, a gene for red plant color, on **American** *Pima* cotton. 036427

PINACEAE

Early **evolution** in the *Pinaceae*. 036128
Alkyl ferulates from the bark and wood of plants of the *Pinaceae* **family.** 035730

PINEAL

Regulation of *pineal* **rhythms** in chickens: effects of blinding, constant light, constant dark and superior cervical ganglionectomy. 033887

PINEAPPLES

Influence of the level of potassium nutrition on the physiological functions of tropical plants and the quality of their products [Bananas, *pineapples,* **cotton**]. 036978
Rhythm of potassium absorption in relation with **growth** *(pineapple* and banana). 037746

PINENE

Selective production of cis- and trans- verbenol from (-)-and *(+)-alpha-pinene* by a **bark** beetle [Ips paraconfusus]. 039406

PINK

Aflatoxins [Aspergillus flavus] in cottonseed as affected by the *pink* **bollworm** [Pectinophora gossypiella]. 039272
Geometrical isomerization of 1,5-dienes: isomers of gossyplure, the *pink* **bollworm** [Pectinophora gossypiella] sex attractants. 039289
Pupation sites of *pink* **bollworms** [Pectinophora gossypiella]: potential mortality resulting from cultivation of irrigated cotton. 039307
Post maturity changes and keeping quality of seedless **grapefruit** *'Pink* Marsh' in relation to the age of harvest. 033345
Metabolic interrelations of hydroxy-substituted ether-linked **glycerolipids** in the *pink* **portion** of the rabbit Harderian gland. 033764

PINUS

Studies on selection forest of **akamatsu** *(Pinus* densiflora) in Kikuma-cho. 12. On the germination and vanishment of the natural seedlings and their height growth. 035638
Afforestation of bogs after industrial exploitation of peat *[Pinus,* **Alnus,** foliar diagnosis]. 035684
Determination of maturity in 'Le Conte', 'Shoubra' and *'Pine* **Apple'** pear varieties. 037642
Sowing of jack pine *[Pinus* **banksiana]** seeds: results of five year period. 035646
Effect of three species of logging slash [from Populus tremuloides, *Pinus* **banksiana,** and Picea mariana]. 035745
Development of the tapetum in *Pinus* **banksiana** preceding sporogenesis. 036271
Height growth of black spruce and jack pine [Picea mariana, *Pinus* **banksiana]** seedlings in flooded flats. 037911
A thermogravimetric study of the pyrolysis of the bark and chemically-modified bark of Jack pine, *Pinus* **banksiana** Lamb. 037941
Studies directed toward a practical synthesis of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions *[Pine* **bark** beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride *[Pine* **bark** beetle, Dendroctonus brevicomis]. 039392
Absolute and relative pollen diagrams from northernmost Fennoscandia [Vegetation history, **Betula,** *Pinus].* 036008
Cultural characteristics of Crumenula sororia [Stem **canker,** *Pinus].* 038818
Cultivation and fertilizer effects on the growth and foliage nutrient concentrations of Pinus radiata, Pinus pinaster and *Pinus* **caribaea** on three soil types at Anglesea (Victoria). 040905
Brown sapwood stain of ponderosa pine *[Pinus]* **caused** by Cytospora sp.: cultural and histological aspects. 038764
A quick and data-poor approach to evaluating precommercial thinning *[Pinus* **contorta** latifolia]. 035657
The infection of **Corsican** *pine* [Pinus nigra poiretiana] by Crumenula sororia Karst. 038620
An observation on the summer shoot formation in *Pinus* **densiflora** seedlings. 037921
Effects of clearcutting [Quercus, Carya, Acer rubrum, *Pinus]* on the **diversity** of breeding birds. 035477
How to double the harvest of loblolly and slash pine timber [Pinus taeda, *Pinus* **elliottii].** 035559
The effect of silvicultural methods of **establishing** *pine* stads on their growth. 035668
Aerial application of a nuclear polyhedrosis virus to control **European** *pine* sawfly [Neodiprion sertifer]. 039382
On the effect of trees on the structure of grass stand in **grassy** *pine* forests in the lower reaches of Angara. 036183
Breeding [program] characteristics of the **Gritsevolia** *Pine* Forest Reserve. 035669
Seasonal variations in the composition of *Pinus* **halepensis** and Pinus sylvestris twigs and needles essential oil. 037913
Impact of air pollution on the growth of ponderosa pine *[Pinus,* **injuries].** 035466
Sowing of **jack** *pine* [Pinus banksiana] seeds: results of five year period. 035646
Height growth of black spruce and **jack** *pine* [Picea mariana, Pinus banksiana] seedlings in flooded flats. 037911
A thermogravimetric study of the pyrolysis of the bark and chemically-modified bark of **Jack** *pine,* Pinus banksiana Lamb. 037941
Determination of the 'starter' acetate unit in the biosynthesis of pinidine *[Pinus* **jeffreyi].** 037938
Growth of stands of *Pinus* **koraiensis.** 035574
Biological potential for the **loblolly** *pine* [Pinus taeda] ecosystem east of the Mississippi River. 036252
Relationships between plant surface area and respiration in **loblolly** *pine* [Pinus taeda]. 037916
Stem and primary product weights for **longleaf** *pine* [Pinus palustris] sawtimber trees. 035626
A new species of Furcaspora [indica] from *[Pinus* **monophylla]** India. 038671
Setting up a **new** *pine* [Pinus] yield table in Litschau. 035520
Pinus **nigra** caramanica in the foothills of Dagestan. 035580
Effect of improvement cutting of young stands of *Pinus* **nigra** caramanica on biological activity of soil. 035594
Latest on the study of the organic material of Pinus sylvestris and *Pinus* **nigra** stands for industrial uses. 035737
The infection of Corsican pine *[Pinus* **nigra** poiretiana] by Crumenula sororia Karst. 038620
Study of nitrogenase activity in the mycorrhizal rhizosphere of *pine* and **oak** [Pinus, Quercus]. 037889
The biomass of the root systems of the *pine* and **oak** in the Kampinos National Park [in the association Vaccinio myrtilli-Pinetum typicum]. 037909
Stem and primary product weights for longleaf pine *[Pinus* **palustris]** sawtimber trees. 035626
Forest tree seed orchards in Sweden, 1975 *[Pinus,* **Picea].** 035634
Duration and course of response to nitrogen fertilizer in pine and spruce *[Pinus,* **Picea]** stands. 040887
Moor forestry in France *[Pinus* **pinaster].** 035541
Cultivation and fertilizer effects on the growth and foliage nutrient concentrations of Pinus radiata, *Pinus* **pinaster** and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Assimilatory organs of Scots **pine** *(Pinus* silvestris L.) seedlings of different provenience on comparative plantations in three regions of Poland. 037908
Changes of longitudinal growth and chemical components in **pine** *(Pinus* densiflora) leaves on sandy soils resulting from fertilization. 037920
Impact of certain environmental conditions upon the growth and development of Scots **pine** *(Pinus* silvestris L.) seedlings. 037937
Observations on the fine structure of the haustorium of Melampsora pinitorqua (A. Br.) Rostr. in cells of *Pinus* **pinea** L. 036298
A note on supplies of seed of tropical **pines** *[Pinus].* 035653
Changes of longitudinal growth and chemical components in *pine* **(Pinus** densiflora) leaves on sandy soils resulting from fertilization. 037920
Impact of air pollution on the growth of **ponderosa** *pine* [Pinus, injuries]. 035466
A Southwestern mixed conifer plantation—case history and observations *[Pinus* **ponderosa,** Pseudotsuga menziesii, Picea parryana]. 035692
Ponderosa *pine* seeding trials in west-side Sierra Nevada clearcuts: some early results. 035694
Recession brown stain [Cytosora disease of *Pinus* **ponderosa].** 035695
Service life of treated and untreated Black Hills **ponderosa** *pine* fenceposts: a progress report. 035890
Brown sapwood stain of **ponderosa** *pine* [Pinus] caused by Cytospora sp.: cultural and histological aspects. 038764
Dwarf mistletoe [Arceuthobium pusillum]-infected *[Pinus]* **ponderosa** pines survive top-pruning. 039141
A note on air-layering of *Pinus* **pseudostrobus.** 035652
Study of nitrogenase activity in the mycorrhizal rhizosphere of pine and oak *[Pinus,* **Quercus].** 037889
Influence of planting density and selective thinning on the increase of *Pinus* **radiata** near Massa Marittima (Grosseto). 035640
Effects of soil physical properties, irrigation, and fertilization on *Pinus* **radiata** seedling development in the Benalla nursery. 035648
Field deveopment of culled nursery stock of *Pinus* **radiata.** 035649
Palaeotemperatures from tree rings and the D/H [deuterium/hydrogen] ratio of cellulose as a biochemical thermometer *[Pinus* **radiata].** 035838
Influence of temperature change on wood formation in *Pinus* **radiata** grown in controlled environments. 037928
Effects of the granular soil fumigant Basamid on germination, growth, weed control, and nutrition of *Pinus* **radiata** seedlings in the Benalla nursey. 040578
Cultivation and fertilizer effects on the growth and foliage nutrient concentrations of *Pinus* **radiata,** Pinus pinaster and Pinus caribaea on three soil types at Anglesea (Victoria). 040905
Irrigation control for *Pinus* **radiata** in the Koetong Nursery. 041246
An experiment to control Fomes annosus in second **rotation** *pine* [Pinus sylvestris] crops. 038617
A sowing trial with **Scots** *pine* [Pinus sylvestris] seed of different provenances. 035632
Assimilatory organs of **Scots** *pine* (Pinus silvestris L.) seedlings of different provenience on comparative plantations in three regions of Poland. 037908
Impact of certain environmental conditions upon the growth and development of **Scots** *pine* (Pinus silvestris L.) seedlings. 037937
Preserving the planting qualities of *pine* **seeds** relative to duration of tapping [Silviculture]. 035670
Influence of substrate moisture level on the germination of seed of **selected** *Pinus* species. 037936
How to double the harvest of loblolly and **slash** *pine* timber [Pinus taeda, Pinus elliottii]. 035559
Economic aspects of the natural regeneration of *pine* in the **Solski** Forest. 035620
Economic considerations in storage and preservative treatment of **southern** *pine* chips. 035880
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the **southern** *pine* beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Seasonal growth increment of *pine,* **spruce,** oak and birch in mixed stands of the Svesskii Forest Enterprise. 035598
Duration and course of response to nitrogen fertilizer in *pine* and **spruce** [Pinus, Picea] stands. 040887
Selecting the optimum variant of *[pine]* **stand** density according to economic criterium. 035590
Tables of form factor for stems-in-bark in *pine* **stands.** 035529
Pine **stands** in cutover areas. 035579
Pinus **sylvestris** stands in drained lands. 035581
A sowing trial with Scots pine *[Pinus* **sylvestris]** seed of different provenances. 035632
Results from six field experiments with *Pinus* **sylvestris.** 035635
Latest on the study of the organic material of *Pinus* **sylvestris** and Pinus nigra stands for industrial uses. 035737
Pinus **sylvestris** S.L. In the Caucasus, its history and systematics. 035981
Seasonal variations in the composition of Pinus halepensis and *Pinus* **sylvestris** twigs and needles essential oil. 037913
Inhibitary effect of Cladonia impexa Harm., Cladonia gracilis (L.) Willd and Cornicularia muricata (Ach.) Ach. On *Pinus* **sylvestris** seeds germination. 037931
An experiment to control Fomes annosus in second rotation pine *[Pinus* **sylvestris]** crops. 038617
How to double the harvest of loblolly and slash pine timber *[Pinus* **taeda,** Pinus elliottii]. 035559
Biological potential for the loblolly pine *[Pinus* **taeda]** ecosystem east of the Mississippi River. 036252
Relationships between plant surface area and respiration in loblolly pine *[Pinus* **taeda].** 037916
The method for estimating the CO2 [carbon dioxide] gradient in an assimilation chamber *[Pinus* **thunbergii,** photosynthesis]. 037925
Needle rust of *Pinus* **thunbergii** caused by Coleosporium xanthoxyli Dietel et P. Sydow. 038736
Appraisal of the effectiveness of **treating** *pine* stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. 038814
A note on supplies of seed of **tropical** *pines* [Pinus]. 035653
Genetics of **Virginia** *pine* [Pinus virginiana]. 035647
A note on light and electron microscopy studies of **white** *pine* [wood] exposed to marine [mollusk and crustacean] borer damage. 035894
Setting up a new pine *[Pinus]* **yield** table in Litschau. 035520
Diurnal fluctuation of CO2 [carbon dioxide] release from the stem bark of standing **young** *Pinus* densiflora trees. 037923
Soil testing as a guide to phosphorus fertilization of **young** *pine* plantations in the Coastal Plain. 040895

PIOPHILA

An entomological contribution to the problem of fly-infected meat. A few biological data on *Piophila* and **Calliphora.** 031996

PIPE

Measurement methods for head loss and velocity distribution after *pipe* **bends** and wye pieces [Hydrology]. 041310
Noninserted **cast-iron** *pipes* for reclamation construction works. 040359
The effect of construction parameters on the strength of flexible **[irrigation]** *pipes.* 040360

PIPELINES

The operation of *pipelines* and **hoses** under high muddiness of irrigation water. 041273

PIPER

Synthesis of sylvatine *[Piper* **sylvaticum].** 037751

PIPERIDINE

Pyrrolidine, *piperidine,* and **pyridine** alkaloids [Plants]. 036744

PIROPLASMOSIS

Effect of dimidin on the organisms **causing** *piroplasmosis* and nuttalliosis in horses. 035238

PISTACHIO

Characteristics of *pistachio* **kernel** oils from Iranian cultivars. 033419

PISTACIA *see* ANACARDIACEAE

PISTILLATE

Developmental studies in Ptychosperma (Palmae). II. The staminate and *pistillate* **flowers.** 036266

PISUM

Effect of seed damage on growth and development in **pea** *(Pisum* sitivum L.) and wheat (Triticum aestivum L.). 038955
Flowering in *Pisum* **[peas]:** the sites and possible mechanisms of the vernalization response. 037776
Mutagenic effect of gamma rays and fast neutrons on *Pisum* **sativum** [Peas]. 036480
Physiological studies on salt tolerance in *Pisum* **sativum** (L.). III. Growth and maturation [Peas]. 037615

Fluorescent method for quantitative determination of flavonols and indols in *Pisum* **sativum** [pea] chloroplasts. 037703
Chloroplast DNA-membrane complex in *Pisum* **sativum** [Peas]. 037744
Glycoprotein metabolism in the cotyledons of *Pisum* **sativum** peas] during development and germination. 037812
On the specificity of interaction between DNA and protein of the chloroplasts of *Pisum* **sativum** [Peas]. 037865
Deoxyribonucleic acid polymerases and deoxyribonucleases in [pea] *Pisum* **sativum.** 037871
Inhibition of 3-phosphoglycerate dehydrogenase from *Pisum* **sativum** [peas] by pyridoxal 5'-phosphate and by pyridoxamine 5'-phosphate. 037872
Occurrence of plantago mottle virus in pea, *Pisum* **sativum,** in New York State. 038879
Tritiated-thymidine induced changes in cell population kinetics in root meristems of *Pisum* **sativum** [Peas]. 039054
On the part played by tocopherol in radiation injury in *Pisum* **sativum** [Peas]. 039055

PITH
Synthesis and cytokinin activity of N-acylaminodeazapurines[Tests with **tobacco** *pith* callus]. 037515

PITHOMYCES
Dematiaceous Hyphomycetes [Fungi] from India. II. [Torula caligans, *Pithomyces* **chartarum,** soils]. 036026

PITS
Studies on **bitter** *pit* of apple. III. Effect of leaf spraying with different products. 038957
Control of **bitter** *pit* in apples with lecithin and calcium [Physiological disease]. 039039
Fatty acid composition of oleaster [Elaeagnus angustifolia]pulp and *pit* **oils.** 033422
Forced ventilation of a *pit* **silo** for winter storage of potatoes. 040319

PITTOSPORUM
Germination studies and optimum testing method for Pittosporum tobira (**Japanese** *pittosporum)* seed. 037795

PITUITARY
Characterization of the mannosyl and fucosyl transferases in the ovine **anterior** *pituitary* glands. 033817
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the *pituitary-testicular* **axis** to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
Presence of an oviposition-inducing substance in the anterior lobe of *pituitary* of the **chicken.** 034094
In vitro release of gonadotropins from the *pituitary* of **cocks** by an analogue of luteinizing hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Pituitary **dwarfism** in German Shepherd dogs: studies on somatomedin activity [Hormonal deficiency diseases]. 035367
Macroscopic observations on *pituitary* **gland** of Indian buffalo (Bos bubalis). 033980
Release of FSH [follicle-stimulating hormone] from the *pituitary* of the **hen** following an injection of progesterone. 034095
Cytoplasmic oestrogen receptor complex of female **ovine** *pituitary:* changes associated with the reproductive state and oestradiol treatment [Sheep]. 034666
Exocytosis and the exocytosis-vesiculation sequence: with special reference to neurohypophysis, chromaffin and mast cells, calcium and calcium ionophores [**Posterior** *pituitary* hormones]. 033952
Gonadotropin and subunit conformation [**Sheep** *pituitary* hormone]. 033762

PIVOT
Remote sensing instrumentation and methods used for identifying **center** *pivot* sprinkler irrigation systems and estimating crop water use. 041320

PLACENTA
Conversion and disposal of *placentas* by **mechanical** disintegration in industrial swine production plants [Sanitation]. 034921
Labile bound phenolcarboxylic acids and flavonoids in pericarp and *placenta* of **oil** poppy [Papaver]. 036933
Free phenolcarboxylic acids in the pericarp and *placenta* of **opium** poppy. 037275
Treatment for **retained** *placenta* with a combination of Uniberbyl and Terramycin [Dairy cattle]. 035331
The ultrastructure of the **sheep** *placenta* around the time of parturition. 034658
Transition of immunity to the offspring in animals with the chemochorial **type** of *placenta.* 035209

PLAGUE
Fleas [Siphonaptera] of Citellus fulvus Licht. And their infection rate with the *plague* **agent** over the territory of Kazakhstan and Central Asia. 039498
Offshore migration and the collapse of outbreaks of the **Australian** *plague* locust (Chortoicetes terminifera Walk.) in Southeast Australia. 039209
Offshore migration and the collapse of outbreaks of the **Australian** *plague* locust (Chortoicetes terminifera Walk.) in south-east Australia. 039632
The effect of a long contact of the population of fleas [Xenopsylla cheopis] with *plague* **Bacteria** on the infection activity of vectors. 039503
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with **fowl** *plague* virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133

PLAINS
A macroscopic study of the brain of Bison bison bison, the **American** *plains* buffalo. 033731
Phosphorus distribution from septic tank effluent in **coastal** *plain* soils. 040676
Acidification and deacidification of **coastal** *plain* soils as a result of periodic flooding. 040756
Thick Bh [humate] horizons in the North Carolina **coastal** *plain.* I. Morphology and relation to texture and soil ground water. 040779
Thick Bh [humate] horizons in the North Carolina **Coastal** *Plain.* II. Physical and chemical properties and rates of organic additions from surface sources. 040780
Studies in soil physics and agrohydrology on the young **coastal** *plain* of Surinam, South America. 040839
Soil testing as a guide to phosphorus fertilization of young pine plantations in the **Coastal** *Plain.* 040895
Phosphorus fertilization aids stand establishment on poorlydraned **Coastal** *Plains* soils. 040949
Ecology of the Lower Tana Rive **flood** *plain* (Kenya). 036217
Persistence of the glandless genotype in a composite cross of Upland cotton on the Texas **High** *Plains.* 036436
Research on the technology of maize growing under irrigation, in the **Moldavian** *plain.* 038117
Results concerning the behaviour in exploitation of some irrigation systems, based on modern solutions, in southern Baragan and in the **Oltenia** *plain.* 041418
Bioecological fertility of Italian soils. 3. Study of the agronomic **profiles** of the *plains.* 040662
Soil cover characteristics in the forest zone of West **Siberian** *plain.* 040951
Peculiarities of the growth and development of introduced pea specimens under north Bulgaria and **Sofia** *plain* conditions. 037829
Irrigation of winter wheat under conditions of the *plain* in the **south** of Romania. 041415
Selection 233—an excellent carrot **variety** for the *plains.* 038437
Potassium forms in main soil types of the *plain* **zone** of Dagestan. 040738

PLANE
The animal growth **phase** *plane* [Feeding]. 034422
X-ray diffraction from oriented outer mitochondrial membranes. Detection of *in-plane* **subunit** structure [Mung beans, potatoes]. 037658

PLANKTON
A field and laboratory study of oxygen uptake by *planktonic* **blue-green** algae [Oscillatoria redekei]. 037034
The influence of salinity on the growth of some *plankton* **diatoms** from brackish water. 037140
The effects of high and low carbon dioxide concentrations on *plankton* **population** dynamics [Algae]. 037245

PLANOCOCCUS
Simple extraction and bioassay of the female sex pheromone of the citrus mealybug, *Planococcus* **citri.** 039315
Notes on the vine mealybug *[Planococcus* **ficus**] (Homoptera: nufacture]. 039344

PLANTAGO
Occurrence of *plantago* **mottle** virus in pea, Pisum sativum, in New York State. 038879

PLANTAIN
Studies of the freezing of **green** *plantains* (Musca paradisiaca). IV. Effect of cold storage on the quality of frozen sliced green plantains. 033418
Effect of plant density on yield and other quantitative characters of the **Maricongo** *plantain* (Musca acuminata X Musca balbisiana, AAB). 038390
Parasitic nematodes associated with cultivars and clones of banana and *plantain* in **Venezuela.** 039043

PLANTATIONS
Applying plant protection products in bedded **apple** *plantations.* 038978
Identifying soil fatigue in growing **apple** *plantations* by means of the soil fatigue test. 041153
Assimilatory organs of Scots pine (Pinus silvestris L.) seedlings of different provenience on **comparative** *plantations* in three regions of Poland. 037908
A Southwestern mixed **conifer** *plantation*—case history and observations [Pinus ponderosa, Pseudotsuga menziesii, Picea parryana]. 035692
Note on the **conversion** *plantations* in moist tropical forests. 035527
Changing of plantation structure by **enlarging** *plantation* areas. 031315
Growth and reproduction of the field vole Microtus agrestisL.) in **forest** *plantations* [Pests]. 038956
The termite problem in *plantation* **forestry** in Peninsular Malaysia. 039398
Experience from the operation of a permanent mixing an filling station for plant protection in **fruit** *plantations.* 038981
Studies of a teak (Tectona grandis L.) *plantation* in the **Kinshasa** region of Zaire. 035676
The mortality factors of experimental populations of Lymantria dispar in a larch [Larix leptolepis] *plantation* and **natural** forest. 039389
Adequate planting and tending of [fruit] trees for early and high crop yields in **new** *plantations.* 038303
The development of Norway spruce [Picea abies] *plantations* in **northern** Sweden. 035637
Plant protection in the **olive** *plantations* of Tunisia. 039082
Soil testing as a guide to phosphorus fertilization of young **pine** *plantations* in the Coastal Plain. 040895
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) *plantations.* I. The **species** composition and variation of flights. 039697
Changing of *plantation* **structure** by enlarging plantation areas. 031315
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) *plantations.* II. **Trophic** relationship to vegetation [Pollination]. 039698
The influence of nutrition on the chemical properties of some **tropical** *plantation* crop products [Hevea, oilpalm, cocoa, fertilization]. 040974
Composition of soil and coffee leaves on *plantations* under **varying** copper fungicide spraying regimes. 038823
Ways of improving the set of varieties in **vine** *plantations* in the Ukraine. 038526
Women *plantation* workers. 031314
Appraisal of the growth and development of **young** *plantations* and thickets originating from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. 035619
Conference of coordinators for the Project No. 11.2 "Fertilization of **young** *plantations* and forest stands" under the Council for Mutual Economic Assistance. 041103

PLANTING
Adequate *planting* and tending of [fruit] trees for early and high crop yields in new plantations. 038303
Influence of *planting* **density** and selective thinning on the increase of Pinus radiata near Massa Marittima (Grosseto). 035640
Effect of mineral fertilizer and of *planting* **density** on sunflower photosynthetic rate and net productivity. 037403
Studies on irrigation, fertilization and *planting* **density** of the selfed maize line SH-144. 038137
Moisture supply and plant productivity [Winter wheat, *planting* **density**]. 038196
Use of the "direct sowing" method for *planting* a **grove** of almond trees [Prunus amygdalus, costs]. 038242
Effect of *planting* and **harvest** dates, location in the hill and tuber size on sugar content of Kennebec potatoes [in North Dakota]. 038255
Development of *planting* **machine** production in Slovakia up to 1918. 040452
Mode and density of *planting* **maize** as a spray irrigated catch crop. I. 038134
The season for *planting* in **Mediterranean** reforestation [Program]. 035655
On the **optimum** *planting* date of white lupine (Lupinus albusL.) grown for **green** matter in the Middle Rhodope Upland. 038136
Some methods for *pre-planting* **preparation** of leached Meadow-Cinnamon soil to winter wheat. 041197
A high-density peach orchard *[Planting,* **pruning,** Canada]. 038357
Preserving the *planting* **qualities** of pine seeds relative to duration of tapping [Silviculture]. 035670
Mechanized flow line for culture of *planting* **stock** [Silviculture]. 035664
The status, economic indices and ways of improving production of *planting* **stock** in the Ukraine [Silviculture]. 035672
GM [Grounds Maintenance] guide to *planting* a **tree.** 3. 035651
Half a century of **tree** *planting* [Windbreaks, erosion, Edward Flanagan]. 041200
Comparison of **two** *planting* systems with strawberries under glass. 038511

PLAQUE
Plaque-forming **factor** produced by Mycoplasma pulmonis [Animal diseases]. 035166
The role of dietary carbohydrates in *plaque* **formation** and oral disease. 032433
The *plaque* **reduction** test in the study of antibodies against the viral arthritis reovirus [Chicken sera]. 035048

PLASM
The autonomous function of **germ** *plasm* in a somatic region of the Drosophila [melanogaster] egg. 039735
Future utilization of Indonesian **orchid** *germ-plasms.* 038276
Positional effects of the **polar** *plasm* on the karyotype differentiation in Heteropeza pygmaea (Cedidomyiidae, Diptera). 039911
On the method of the evaluation of activity of ceruloplasmine in the *plasm* of **poultry** blood. 034188

PLASMA
The influence of fat mobilizing substance and dietary linoleic acid on **blood** *plasma* fatty acid composition and linoleic acid metabolism in the laying hen. 033989
Determination of lysine and methionine requirements. II. Establishment of amino acid supplies in fattening pigs by the determination of certain parameters of the **blood** *plasma.* 034249

Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into **blood** *plasma*, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the **blood** *plasma* of rats fed proteins of varying quality. 034311
On the activation of **bovine** *plasma* Factor XIII: Amino acid sequence of the peptide released by thrombin and the terminal residues of the subunit polypeptides. 034030
Bovine *plasma* oestrogens, progesterone and glucocorticoids during dexamethasone induced parturition. 034541
Steroid-protein interactions in **bovine** *plasma* [Testosterone-binding specificity]. 034694
Wool growth rate in relation to *plasma* **catecholamine** and serum total thyroxine concentrations in growing lambs. 033717
Plasma **cells** in the avian harderian gland and the morphology of the gland in the rook [Poultry, quail]. 033854
High affinity binding of dexamethasone to **chicken** *plasma* proteins: some characteristics of chicken corticosteroid binding globulin. 033868
Protein binding of *plasma* **cortisol** in the foetal lamb near term. 034057
Ruminal properties and *plasma* **free** amino acids of cows fed purified diets containing urea or soy protein together with rice straw. 034425
Effect of trauma on *plasma* **glucagon** and insulin concentrations in sheep [Metabolism]. 033845
Re-incorporation of carbon atoms into *plasma* **glucose** in newborn dogs. 033848
Plasma **hemoglobin** determination in Beagle dogs. An adaptation of the method of Crosby and Furth. 034098
Do carbonylamine browning reactions [in food] occur in vivo? [Tests with rats and **human** *plasma*]. 032340
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. *Plasma* **LH**, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
The effect of oral contraceptives on *plasma* **lipoproteins,** cholesterol and tocopherol levels in young women. 032317
Plasma **luteinizing** hormone and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. 034671
Comparison of early embryonic and differentiating cell surfaces: interaction of lectins with *plasma* **membrane** components [Chick blastoderm]. 033790
Developmentally regulated proteins of the *plasma* **membrane** of Dictyostelium discoideum. The carbohydrate-binding protein[Fungi]. 037056
Isolation of *plasma* **membranes** from corn roots by sucrose density gradient centrifugation: an anomalous effect of Ficoll. 037522
Peripheral *plasma* levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. 034687
Preliminary results on *plasma* **progesterone** levels during pregnancy and superfetation in the hare, Lepus europaeus. 034689
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, *plasma* **protein** and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
Effect of anabolics on amino acid imbalance in short term experiments. IV. Effects of stanozolol on *plasma* **proteins** in rats [Nutrition]. 032406
Maintenance of *plasma-derived* **proteins** at much lower concentrations in the uterine lumen of the rabbit: a kinetic study of passage. 034686
Effect of dietary vitamin E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in erythrocytes and *plasma* of **rats.** 032271
Correlation of vitamin A and zinc concentration of **seminal** *plasma* to fertility of bovine semen. 034454
Immunoelectrophoretic analysis (IEA) of **seminal** *plasma* and fluids from seminal vesicles and ampullae of vasa deferentia of bulls. 034588
The distribution of calcium in bovine spermatozoa and **seminal** *plasma* in relation to cold shock. 034696
Existence of a follicle-stimulating hormone inhibiting factor 'inhibin' in bull **seminal** *plasma*. 034763

PLASMALEMMA

Structural changes of the *plasmalemma* during **cell** wall regeneration of isolated protoplasts from stem callus of Skimmiajaponica Thunb. 037207

PLASMIN

Inhibition of *plasmin-mediated* **fibrinolysis** by vitamin E. 032396

PLASMODIUM

Nuclear DNA content and ploidy values in **clonally-developed** *plasmodia* of the myxomycete Didymium iridis [Fungi]. 036415
The thermostability of two types of protoplasmic streaming in Physarum polycephalum **[Fungi]** *plasmodia*. 037323
Phototaxis of the Myxomycetes [Fungi]: Behaviour of **old** *plasmodia* in white light [Physarum nudum]. 036847
Passive transfer of heterologous immunity in avian malaria [Chickens, *Plasmodium* **relictum**]. 035099

PLASMOPARA

Changes in phenolic compounds of sunflowers infected by *Plasmopara* **halstedii.** 038581

PLASTICS

Technology—the manufacture of electric heating elements on a *plastic* **base** [Grapes, culture]. 040388
Effects of **black** *plastic* and mulches on growth and survival of landscape plants [Culture]. 038453
Items discussed by the team for *plastic-covered* **buildings.** 040365
Plastic **container** board containers for fresh vegetables [Packaging]. 033401
Use of *plastic* in the **cultivation** of cauliflower under glass. 038519
Further experimental contributions to using *plastic* **films** for bleaching and mulching chicory (Cichorium intybus L.), variety Variegato di Castelfranco. 038464
Yielding and *plastic* **flow** of sensitive cemented clay. 040593
Cystic hyperplasia-pyometra complex: **focal** *neoplastic* endometrial hyperplasia in older bitches. 035353
Larger role for *plastics* in **food** packaging indicated by technical, economic changes. 032669
Larger role for *plastics* in **food** packaging indicated by technical, economic changes. 032813
Dose response to nitrogen, phosphorus, and potassium fertilization rates in *plastic* **mulch** covered beds of find sand. 040894
Associated and **non-associated** *visco-plasticity* and plasticity in soil mechanics. 040584
Use of *plastics* in the **Repair** of agricultural machines. 040446
Figures comparing the use of *plastic* and **residue** problems in the cultivation of cornsalad under cold glass. 038513
Growth potential of clostridium botulinum in fresh mushrooms packaged in **semipermeable** *plastic* film [Food contamination]. 031948
Associated and non-associated visco-plasticity and *plasticity* in **soil** mechanics. 040584
The microfiber texture in a **specialized** *plastic* cuticle area within a sensillum field on the cockroach [Periplaneta americana] maxillary palp as revealed by freeze fracturing. 039673
Control of the distribution of *plastic* **substances** in hop plants. 037262
Establishing **turf** under *plastic*. 038334

PLASTID

Structural organization and the pigment fund of the *plastid* **apparatus** of the unit of the leaf surface area and the productivity of flax under different conditions of zinc and copper nutrition. 037576
The change of the *plastid* **apparatus** per unit of leaf area and the yield of barley under various application of zinc. 040874
Ultrastructural peculiarities of cells and *plastids* during **change** from tissue culture heterotrophic nutrition to autotrophic one. 036288
Structure and function of the genetic information in *plastids*. XIV. The **consequences** of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394
The use of plastid and gene mutants of higher plants in studying the genetic control of *plastid* **functions.** 036549
The biosynthesis of *plastid* **membrane** system proteins during the biogenesis of chloroplasts [Maize]. 037396
Genetic and evolutionary relationships between *plastids* and the **nuclear-cytoplasmic** system. 036542
Ribosomal proteins and the **origin** of *plastids*. 036972
Content of *plastid* **pigments** in winter wheat leaves in autumn-winter-spring period. 037412
Structure and function of the genetic information in plastids. XIV. The consequences of the plastom mutations en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine **structure** of *plastids*. 036394

PLASTOCYANIN

A combined procedure for preparation of *plastocyanin*, **ferredoxin** and CF1 [Spinach]. 037820

PLASTOM

Structure and function of the genetic information in plastids. XIV. The consequences of the *plastom* **mutations** en:alba1 of Antirrhinum majus and en:gilva-1 of Pelargonium zonale to the fine structure of plastids. 036394

PLATE

An index to the insects and spiders featured on Audubon's **bird** *plates*. 040039
Improving thermal and electrical conductivity of cotton fabrics by **chemical** *plating*. 033174
Performance of [wood] roof trusses with *metal-plate* **connectors.** 035754
Drying time calculation for ice granulates in a *plate* **freeze-dryer.** 032740
Heat transfer coefficients in *plate* **freezing:** the effect of packaging materials [Foods]. 032745
The ultrastructure of the sheep **metaphase** *plate* chromosomes. 034220
Simple to scalariform combination **perforation** *plates* in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) [Wood anatomy]. 035777
Fungi in foods. VII. A comparison of the surface, **pour** *plate*, and most probable number methods for enumeration of yeasts and molds. 032094
A comparative study between the **pour** *plate* method and the method of the most probable number (M.p.n.) for the enumeration of coliforms, Enterobacteriaceae and fecal coli in. 032109
A collaborative study of the microtiter count method and **standard** *plate* count method for viable cell count of raw milk. 032975
Freezing times for blocks of fish in **vertical** *plate* freezers. The effect of contact area and block density. 032743

PLATFORM

Data acquisition systems for remote underwater **monitoring** *platforms* [Environment protection]. 041569

PLATURA

Synthesis and insecticidal activity of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas **[Hylenya** *platura*, control, lima beans]. 039341

PLATYCERIUM

Sieve-element ultrastructure in *Platycerium* **bifurcatum** and some other polypodiaceous ferns: the nacreous wall thickening and maturation of the protoplast. 036267
A staghorn **fern** *(Platycerium)* hybrid [Pteriodophyta]. 035944

PLECOPTERA

Biology of *Plecoptera*. 039617
Ephemeroptera and *Plecoptera* in **North** Wales. 040019
A report on the fifth international symposium on *Plecoptera[Abstract* of **papers].** 040139
Rhabdiopteryx christinae, n. Sp., a new stonefly from *Spain(Plecoptera,* **Taeniopterygidae).** 040158

PLECTOPTERA

Baetis species from Kuopio Museum, **Finland** *(Ephemeroptera,* Baetidae). 040129
Ephemeroptera and **Plecoptera** in North Wales. 040019
Chloride cells of the larvae of Caenis diminuta **Walker** *(Ephemeroptera,* Caenidae) under different salinity. 039818

PLEIOTROPIA

Pleiotropic **effect** of waxy gene in indica rice [Varieties]. 036579

PLEISTOCENE

Palynological study of **late** *Pleistocene* deposits on the Hakkoda mountains. 036002
Geologic nitrogen in *pleistocene* **loess** of Nebraska. 040670
Ephedra pollen mimicry by **unidentified** *Pleistocene* plant stomata. 036115

PLEUROPNEUMONIA

Diagnosis and epizootiological observations on the occurrence of **haemophilus** *pleuropneumonia* in swine in the north of the German Democratic Republic. 035152

PLEUROTUS

Twenty-five cases of poisoning by the **mushroom** *Pleurotus* olearius. 032134

PLIOCENE

Contribution to the knowledge of the Tertiary flora of Bulgaria: New plant **fossils** from the *Pliocene*. 036010

PLISTOPHORA

Nosema polygrammae sp.n. And *Plistophora* **fidelis** sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365

PLOTS

Comparison of different *hill-plot* **designs** for evaluating quantitative response to oat crown rust [Puccinia coronata]. 038595
Plot **documentation** and its adequate use for socialist farms. 031169
Modification of a self-propelled plot combine for harvesting **hill** *plots* of soybeans. 040462
The optimum repartition of fodder crops on *plots* of **land** depending of the productive potential. 038147
A program for studying the **optimum** *plot* size in field experiments on the computer [Field crops, statistical analysis]. 037952
Results from nitrogen fertilization of **potato** *plots*. 040918
The **'private** *plot'* in Soviet agriculture. 031326
Effects of various plants on root-knot nematodes in two-years tobacco **rotation** *plots*. 039005
Modification of a **self-propelled** *plot* combine for harvesting hill plots of soybeans. 040462
Plot **tests** of 29 varieties of soft wheat [in north-central Italy]. 038046
Influence of nematicides on growth of *plots* of **white** clover on a yellow-brown loam. 039040

PLOWING

The optimum timing and ways of **fall** *plowing* for subsequent sowing of sunflowers. 038200
Second international comparison of *plowing* by the **member** nations of the Council for Mutual Economic Assistance. 041162
Some aspects to be taken into account when *plowing* **soils** with excess of moisture. 041196

PLOWS
Boron in the *plow* **layer** of soils in the European USSR. 040813

PLUGS
A laboratory evaluation of trash racks for drop inlets [to **prevent** *plugging* of closed-conduit spillways that release waer from floodwater-retarding resevoirs]. 040539

PLUMS
Inquiries on the flower biology of the **Burmosa** *plum* and of some varieties pollinating it. 037838
Technical and sanitary aspects on the control of brown rot [Monilia] of peaches and *plums* [**Fungicide** residues]. 038727
Mechanized harvesting of *plums* for **processing;** results of trials with a prototype [of machinery] constructed by the Institute of Fruit Culture of the University of Bologna. 038384
Plum **production** in Norway. Factors influencing price and demand. 031620
Plum **production** in Norway. Production foundation and development. 031828
Studies on the prognosis of terms of the individual developmental stages in **red** *plum* maggot (Grapholitha funebrana Tr.) based on effective temperature summations. 039360
Some remarkable varieties of **table** *plums* cultivated in Greece. 038333

PLUTONIUM
Removal of inhaled 239PuO2 *[plutonium* **dioxide** isotope] from beagle dogs by pulmonary lavage. 033911
Studies of injected 237Pu(IV) *[plutonium* **isotope**] citrate in Beagles [Dogs]. 033912
The subcellular distribution of 239Pu *[plutonium* **isotopes]** in rat liver parenchymal cells after exposure in vivo and invitro. 033913
Thicknesses of the deposits of *plutonium* and **radium** at bone surfaces in the beagle [Dogs]. 033914
Distribution of *plutonium* in **soil** particle size fractions of liquid effluent-receiving areas at Los Alamos [Radioactive contamination]. 041605

PLYWOOD
Recovering more fibre with **composite** *plywood.* 035715
Commodity hedging in lumber and *plywood* **[future].** 035743
Preliminary studies on some Malaysian timbers for *plywood* **manufacture.** 10. Keranji (Dialium platysepalum). 035833
Compression strength adjustments for moisture in commercial Douglas-fir [Pseudotsuga **menziesii**] *plywood.* 035744

PNEUMATIC
Pneumatic **level** and open channel flow [natural water] measuring systems. 041315
Some observations on soil compression below *pneumatic* **tires.** 040556

PNEUMONIA
Observations concerning the relationship between some epizootologic factors and the frequency of lesions in pig **enzootic** *pneumonia.* 035191
On causes influencing development of **enzootic** *pneumonia* in pigs. 035267
Aerosols of certain preparations in cases of **enzootic** *pneumonia* in swine. 035276
Unique virus-related DNA sequences in sheep **progressive** *pneumonia* lung. 035111
Preweaning mortality in pigs. 6. Incidence and causes of *pneumonia* **[Streptococcus,** Haemophilus parahaemolyhticus, Bordetella bronchiseptica]. 035174

POA
Phenol reaction of Kentucky **bluegrass** *(Poa* pratensis) seeds. 037559
Identifying Kentucky **bluegrass** *(Poa* pratensis) cultivars by seed morphological characters. 038151
A contribution to the occurrence of leaf spot fungi on Kentucky **bluegrass** *(Poa* pratensis L.). 038835
Characteristics and performance of interspecific hybrids between Kentucky bluegrass and Canada bluegrass [Poa pratensis, *Poa* **compressa].** 036423
Polyembryony in Kentucky bluegrass *[Poa* **pratensis]** as a source of variation in disease reaction [Drechslera triseptata, Erysiphe graminis]. 036302
Characteristics and performance of interspecific hybrids between Kentucky bluegrass and Canada bluegrass *[Poa* **pratensis,** Poa compressa]. 036423
Registration of Majestic Kentucky bluegrass *[Poa* **pratensis].** 036439
Differentiation of cultivars and cultivar groups of *Poa* **pratensis** by the fluorescence of their alkaline extracts. 038150
Differential reaction of Kentucky bluegrass *[Poa* **pratensis]** cultivars to the bluegrass billbug, Sphenophorus parvulus Gyllenhal. 039273
Response of cool-season turfgrasses *[Poa* **pratensis,** Festuca rubra] to liquid applications of fertilizer. 041057
Vernalisation requirement and photoperiod demand for generative development in *Poa* **supina** (Schrad.). 037610

POACEAE
Formation and development of spermia in some angiosperms. I. *Poaceae* **(Gramineae).** II. Asteraceae (Compositae). 036285

PODALIRIUS
The scarce swallow-tail: **Iphiclides** *podalirius* (L.) in Britain. I. The evidence before Haworth. 040062

PODS
Dimensional changes in **peanut** *pods,* kernels, and hulls as moisture is removed during drying. 033165

PODZOLS
The effect of manure and mineral fertilizers on fractional composition of phosphates in **deep** *soddy-podzolized* soil in the trans-Carpathian lowlands. 041127
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and **Gray** *Podzolic* soils of the forest-steppe of the Ukrainian SSR. 040871
Changes of phosphorus and potassium compounds in *soddy-podzolic* and **Grey** forest soils under the effect of water erosion. 040721
Influence of forest vegetation on the horizon of *Podzols* **inthe** Menomeny Forest, state of Wisconsin, USA. 040728
The migration of nitrogen, phosphorus and potassium of nitroammophoska in **loamy** *soddy-podzolic* soil. 040878
Seasonal dynamics of lysimetric water composition in the profile of a **sandy** *podzolic* soil of a larch forest (Karelian isthmus). 040741
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on *sod-podzolic* **sandy** loam soil. 041097
The change of agrochemical properties of *soddy-podzolic* **sandy-light** loamy soil as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Seasonal dynamics of humic acids and various forms of nitrogen in a *podzolic* **soil.** 040742
Effect of mineral and organic fertilizers on the development of algae in a *sod-podzolic* **soil.** 041012
The effect of development of *podzolic* **soils** on the Kola Peninsula on their nitrogen regime and biological activity. 040563
North Atlantic facies of the turf subarctic and *illuvial-humus-Podzol* **soils.** 040603
Podzolic **soils** of central Taiga. 040713
Content and some properties of concretions in the *Podzolic* **soils** of the central taiga subzone of the Komi ASSR. 040817
Micromorphology of *Sod-Podzolic* **soils** on a moraine and on mantle loam. 040829
Some aspects of the influence of *Derno-Podzolic* **soils** on the water chemical composition of Mozhaisk water storage. 040846

POECILOCERA
Effect of chemical agents on the learning behavior of the grass hopper, *(Poecilocera* **picta.** Linn. 039801

POGOSTEMON
Acidic compounds in patchouli oil [from *Pogostemon* **cablin].** 032894
Essential oils. XVII. Oil of *Pogostemon* **formosanus** Oliv. II. Isolation and chemistry of germacrone [from Geranium macrorrhizum]. 037027

POINSETTIA
Poinsettia **root** and stem rot control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and Thielaviopsis basicola]. 038977

POISON
Enhanced inhibition of RNA synthesis by amanitins in in vitro cultured cells [Amanita phalloides, *poisonous* **fungi].** 036925
A contribution to the study of the length of the *poison* **gland** of honeybee workers. 040284
Flea beetle [Diamphidia, **Polyclada]** *poison.* 039465
Nonspecific hyperpolarization of plant cell under the action of *poisons* in **small** concentration [Nitella syncarpa, Algae]. 036909

POISONING
Pesticides and **bees** *[Poisoning].* 039585
Hematological studies on grazing cattle with petechia on the visible nucous membrane **[Bracken** *poisoning].* 035423
Carbamate *poisoning:* Effect of certain carbamate pesticideson esterase levels in the pheasant (Phasianius colchicus) and pigeon (Columba livia). 039556
Poisoning in **cattle** caused by a batch of sugarbeet pulp. 035430
Research on the *poisoning* of **chickens** by mercury administered with drinking water. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. 035402
Occurrence of **copper** *poisoning* in sheep following dry feeding. 035428
Agronal H *poisoning* of **dairy** cows. 035456
The ability of the females of ixodid ticks to recover after **DDT** *poisoning* during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501
Treatment of **experimental** *poisoning* produced by extracts of Amanita phalloides [Poisonious mushrooms, mice]. 035447
Chronic **fluoride** *poisoning* in sheep. 035424
Preliminary observations on the survival of Salmonella in curry, sambar, coriander and red-chilly powders **[Food** *poisoning].* 032087
Survival of Salmonella eastbourne and Salmonella typhimurium in chocolate **[Food** *poisoning].* 032089
Enumeration, laboratory identification, and serotypic analyses of Vibrio parahaemolyticus **[Food** *poisoning].* 032110
Occurrence and biology of Vibrio parahaemolyticus **[Food** *poisoning,* Japan]. 032115
Toxicity of Vibrio parahaemolyticus **[Food** *poisoning].* 032116
Twenty-five cases of *poisoning* by the **mushroom** Pleurotus olearius. 032134
Parathion *poisoning* in cattle. 035429

POLAR
Daily changes of xanthophyll content in leaves of lady's mantle [Alchimilla subcrenata] growing beyond the *polar* **circle.** 037273
Polar **distribution** of RNA in cytoplasm of Acetabularia mediterranea [Algae]. 037271
Positional effects of the *polar* **plasm** on the karyotype differentiation in Heteropeza pygmaea (Cedidomyiidae, Diptera). 039911
Qantitative content of **total** *polar* lipids in soybean seeds. 033257
The ecology of flowering and pollination of Betula nana in the *polar* **Urals.** 037897
A new subspecies, Prosimulium macropyga korshunovi patrusheva subsp. n., (Diptera, Simuliidae) from the *polar* **Urals.** 040135
Weak *polar* cardenolide from Convallaria majalis L. Allomethylose as a sugar component of Convallaria glycosides. 13. 037150

POLARIZATION
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, **absorption** *polarization* spectroscopy and nuclear magnetic resonance. 037656
Application of **circular** *polarization* of luminescence to the study of peptides, polypeptides, and proteins. 032833
Twisted and non-twisted rhabdoms and the significance for *polarization* **detection** in the bee [Apis mellifera]. 040252
The *polarization* **sensitivity-dichroic** absorption paradox in arthropod photoreceptors. 039796

POLDERS
Effect of drainage conditions on nitrogen supply and yield of young loamy soils in the **Ysselmeer** *polders* [Barley]. 041437

POLIOENCEPHALOMALACIA
Induction of **bovine** *polioencephalomalacia* with a feeding system based on molasses and urea. 035398

POLIOMYELITIS
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with *poliomyelitis,* **Coxsackie** and encephalomyocarditis viruses. 035291

POLISTES
Spring behavior of *Polistes* **exclamans** (Hymenoptera: Vespidae: Polistinae). 039710

POLLEN
Practical use of *pollen* **analysis** [Forests]. 035941
Pollen **analysis** of the buried volcanic ash soil at the foot of the volcano, Iwate. 036106
Observations on exine structure of Eucommiidites and lower Cretaceous **angiosperm** *pollen.* 036343
In vitro production of plants from *pollen* in **Brassica** campestris [Bird rape, plant breeding]. 036408
Pollen supplements. I. Relationships between supplements, *pollen* and **broodrearing.** 040258
Pollen **dimorphism** and anther culture in barley. 036613
Ephedra *pollen* mimicry by unidentified Pleistocene plant stomata. 036115
Feed *pollen* supplements [Apis mellifera]. 040256
A surface-structural survey of some taxonomically diverse **grass** *pollens.* 035964
Evolutionary trends in fossil **gymnosperm** *pollen.* 036129
A note on the *pollen* **morphology** of Corchorus capsularis Linn. Corchorus olitorius Linn. and their hybrid. 036304
Study on the effect of dimethylsulphate on the development of **mother** *pollen* cells in Coreopsis tinctoria. 036280
Pollen **movement** within and between rows to male-sterile soybeans. 036437
Normapolles *pollen* from the Mississippi embayment. Taxonomy and stratigraphic ranges of Normapolles genera and species found in Mississippi embayment rocks [New taxa]. 036020
Study on the dynamics of blooming and *pollen* **productivity** in soft wheat. 037555
Absolute and **relative** *pollen* diagrams from northernmost Fennoscandia [Vegetation history Betula, Pinus]. 036008
Meiosis and fertility of *pollen* in **rye** triploids obtained when cultivating embryos. 036705
Diagnostic characters of **saccate** *pollen* grains. 036342
Pollen **spectrum** of some Dutch honeys. 032715
Pollen **spectrum** of some Dutch honeys. 032716
Pollen **supplements.** I. Relationships between supplements, pollen and broodrearing. 040258

Germination of Botrytis [cinerea] and Sclerotinia [sclerotiorum] spores in the presence of *pollen* on **tobacco** leaves. 038751
A chemical analysis of sugar and *pollen* in some **types** of Danish honey. 032916
Role of the generative cell in androgenesis in henbane [Anthers, **uninucleate** *pollen* grains]. 036355

POLLENIA
Cluster **flies** *[Pollenia].* 040084

POLLINATION
Honey **bee** *pollination* in Manitoba. 040286
Migration and *pollination:* the **best** bees for the job. 040239
The ecology of flowering and *pollination* of **Betula** nana in the polar Urals. 037897
Influence of *pollinating* **conditions** on the manifestation of the gametophyte locus of the fourth chromosome in maize. 036679
Natural **cross** *pollination* in Egyptian cotton (Gossypium barbadense L.). 037469
The *pollinating* **efficiency** of honeybee and bumblebee visits to field bean flowers (Vicia faba L.). 040251
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to soybean blossoms *[Pollination,* **floral** biology]. 037394
Pollination of **fruit** trees [by bees]. 037637
Pollination of **fruit** crops. 037879
Pollination and the **honey** bee. 040260
Pollination, the **honeybee** and associated problems. 040189
Combining ability of *self-pollinated* **lines** in corn plants of different origin. 036641
Activity of succinate dehydrogenase in *self-pollinated* **lines** and hybrids of maize. 037602
Natural *self-pollination* in alfalfa. 037605
Production of genetic heterogeneity and some aspects of heterosis breeding in cross-pollinating and *self-pollinating* **plants.** III. Seed reproduction methods and genetic balance. 036688
1974 *pollination* **prevention** experiment in fruit culture [Apis mellifera, wind]. 040183
Production of genetic heterogeneity and some aspects of heterosis breeding in *cross-pollinating* and **self-pollinating** plants. III. Seed reproduction methods and genetic balance. 036688
How we ensured a *pollination* **service** [using honeybee colonies] in Opava. 040303
Specificity of *pollination* in **tetraploid** species of wheat. 036656
Pollination and the **timing** of fruit-set in cucumbers. 037736
Average gene frequency estimates in **two** *open-pollinated* cultivars of corn. 036421
Inquiries on the flower biology of the Burmosa plum and of some **varieties** *pollinating* it. 037838
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to **vegetation** *[Pollination].* 039698

POLLINATORS
Study of Andrena carantonica behavior during blooming of Golden Delicious apple trees [**Insects** as *pollinators].* 039624

POLLUTANTS
The response of woody species to **air** *pollutants* in an urban environment. 039017
Air *pollutants* damage plants. 039035
Investigations on the influence of fluorine contaning **air** *pollutants* upon the susceptibility of spruce [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Determination of **inorganic** *pollutants* in river water with ion selective electrode. 041604
Pollutant **inputs** and distributions off southern California [Water pollution]. 041473
Simultaneous analysis of dissolved **metal** *pollutants* in water. 041481
Some effects of *pollutants* in **terrestrial** ecosystems. 041518
A system for rapid identification of organic **water** *pollutants.* 041629
Standardized test method using protozoa for measuring **water** *pollutant* toxicity. 041647

POLLUTION
Environmental and economic impact of nutrient management on the New York dairy farm [**Agricultural** *pollution].* 041658
Air *pollution* [harmful to man, animals, plants]. 033128
Protection of the air basin of large livestock farms and poultry factories [Control of infectious diseases and of **air** *pollution].* 035252
Impact of **air** *pollution* on the growth of ponderosa pine [Pinus, injuries]. 035466
Remarks concerning forest experiments and research in industrial regions [**Air** *pollution].* 035505
Heterosis and combining ability estimates for **air** *pollution* damage, primarily ozone, in Maryland tobacco. 038972
Plant attack by **air** *pollution:* Minnesota impacts [Injuries]. 039036
Effects of baled solid waste disposal in the marine environment—a descriptive model [Water and **air** *pollution].* 041470
The need for practical standards in **air** *pollution* measurement. 041482
Indoor **air** *pollution* due to chipboard used as a construction material. 041490
The long range transport of sulphur dioxide [**Air** *pollution].* 041491
Chromatographic isolation and spectral analysis of polycyclic quinones application to **air** *pollution* analysis. 041520
Gas chromatographic analysis in **air** *pollution.* 041525
Liquid chromatography analysis in **air** *pollution.* 041529
Paper chromatographic analysis in **air** *pollution.* 041532
Thin-layer chromatographic analysis in **air** *pollution.* 041535
Nitrogen and sulfur content and pH of precipitation in Iowa [Hydrogen-ion concentration , **air** *pollution,* water quality]. 041607
Dry filtering systems for bacteriologically sound powder recovery [**Air** *pollution* from manufacture of dried milk]. 041623
Photochemical **air** *pollution:* transport from the New York City area into Connecticut and Massachusetts. 041657
Ion-exchange **analysis** in *water-pollution.* 041528
Evaluation and interpretation of diversity measures as biological indices of *pollution* **and/or** environmental change in aquatic systems. 041572
Cleansing of wastewater from the feed preparation area for fur-bearing **animals** *[Pollution].* 041622
Environmental *[pollution]* **aspects** of fatty acid distillation. 041655
Long range transport of toxaphene insecticide in the atmosphere of the western North **Atlantic** *[Pollution].* 041617
Chlorofluoromethanes in the stratosphere and some possible consequences for ozone [**Atmospheric** *pollution].* 041489
Heavy metal residues in plants caused by *pollution* in the **central** area of Upper Austria. 039074
Automated chemical analysis for water quality measurement *[Pollution* **control].** 041566
Recovery and re-use of butter cooling water *[Pollution* **control].** 041624
Sulfide oxidation: sulfox system of *pollution* **control.** 041628
Some administrative aspects of establishing a *pollution* **control** organization in a developing country. 041645
An experimental approach to the study of *pollution* **effects** in aquatic ecosystems. 041510
The project of the Swedish forest industry for the protection of the **environment** [against *pollution].* 041500
Biological studies on **environmental** *pollution* by fluoride. III. Effect of hydrogen fluoride gas on metabolism of Gladiolus, Iris and Crocus. 039013
Fertilizers, **environmental** *pollution*—Indian case analyzed. 041523
Microbiological considerations on *pollution* and **eutrophication** of waters. 041599
Bifidobacterium as an indicator of **faecal** *pollution* in water. 041630
Removal of algae from Florida lakes by magnetic **filtration** *[Pollution].* 041487
Bioassays in weed research [**Herbicides,** *pollution].* 039189
Response of plant fruiting to hydrogen fluoride fumigation *[Pollution* **injuries].** 038958
Effects of oil spill on the shore vegetation *[Pollution* **injuries].** 038961
An assessment of eutrophication in Australian **inland** *waters[Pollution,* algae, macrophyta]. 041492
Comparative determinations of organic matter in *polluted* **maintenance** dredgings. 041568
Leaching of N [nitrogen]—problem of cropping efficiency, not of *pollution* [**Maize].** 040594
Problems in aquatic ecosystems, with special reference to heavy **metal** *pollution* of the marine environment. 041517
The significance of multielement analyses in **metal** *pollution* studies. 041519
Pesticides in air: sampling **methods** *[Pollution].* 039590
Studies of tolerance to heavy metals in the flora of the rivers Ystwyth and Clarach, Wales [Algae, *pollution* **monitoring].** 036951
Application of luminescence methods for determination of aromatics in water [Algae, oil, **pesticides,** *pollution].* 041564
The effect of SO2 [sulphur dioxide] *pollution* on **plant** metabolism. 039057
Ecotoxicology—a new branch of toxicology: a general survey of its aims methods, and **prospects** *[Pollution].* 041513
Protection against the **radioactive** *pollution* of plants. 039048
Protection of the waters in North Rhine-Westphalia from **radioactive** *pollution.* 041676
Biochemical activity of *polluted* **soil** [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. 040811
Organic matter and **soil** *pollution.* 041600
The environmental statistics law [Water and **soil** *pollution].* 041679
Possible effect of lower phosphorus concentrations on the phytoplankton in Onondaga Lake, New York, **U.s.a.** *[Pollution].* 037154
Technological interests in proteinic tanning residues [Waste **utilization,** *pollution].* 041503
Aquatic plants [Weeds, **water** *pollution].* 039131
Plant management in aquatic systems [Herbicides, **water** *pollution].* 039193
Water *polluted* with detergents and hydrologic characteristics of farm lands. II. Investigations on the stability of [soil] structure. 040567
Chemical and bacterial cycling of heavy metals in the estuarine system [**Water** *pollution].* 041468
Chemical factors influencing metal alkylation in **water** *[Pollution].* 041469
Nutrient budgets in the Hudson River estuary [Sewage treatment, **water** *pollution].* 041472
Pollutant inputs and distributions off southern California [**Water** *pollution].* 041473
The Mediterranean sea condemned to death because of inadequacy of legislation [**Water** *pollution].* 041479
Variations of biochemical oxygen demand and dissolved oxygen in a steady stream by integration of a hyperbolic differential equation [**Water** *pollution].* 041485
Dynamic behavior of vinyl chloride in aquatic ecosystems [**Water** *pollution].* 041506
Recent studies on biological effects of crude oils and oil-dispersant mixtures to Red Sea macrofauna [**Water** *pollution].* 041508
Gas chromatographic analysis in **water** *pollution.* 041526
Liquid chromatographic analysis in **water** *pollution.* 041530
Paper chromatographic analysis in **water** *pollution.* 041533
Thin-layer chromatographic analysis in **water** *pollution.* 041536
Water *pollution.* 041546
A chloride reduction model for the Rhine River [**Water** *pollution].* 041559
Analysis of trace quantities of oil *[pollution]* in **water** by gas chromatography. 041563
Assessment of urban runoff quantity and quality [**Water** *pollution].* 041565
Determining the tolerance of a recreational lake for development and usage [**Water** *pollution].* 041570
Oil spill prevention by early detection of oil on **water** *[Pollution].* 041580
Rapid determination of phenol content of **water** *[Pollution].* 041582
Remote sensing instrumentation and methods [Control of **water** *pollution].* 041583
Inventory of the degree of surface **water** *pollution* in France. 041636
Current status of paper reprocessing effluent characteristics and disposal practices [**Water** *pollution].* 041669
The status of **water** *pollution* control in the Soviet Union [Pulp and paper production]. 041670
Effect of mineral fertilizers on surface and drainage **water** *[Pollution].* 041673

POLYACRYLAMIDE
Polyacrylamide-gel **electrophoresis** of messenger ribonucleic acid extracted from cells infected with pig herpes virus 1. 035216
A comparative study of preparations of ovine luteinizing hormone by bioassay, immunodoublediffusion, radioimmunoassay, radioreceptor assay and *polyacrylamide* **gel** electrophoresis. 033704
Study of proteins and some enzymes of pancreatic juice in swine by the method of disc elctrophoresis in *polyacrylamide* **gel.** 034191
Studies on biosynthesis of soluble lens crystallin antigens in the chick by isoelectric focusing in **thin-layer** *polyacrylamide* gel. 033888

POLYAMINO
Polyamino **acid** induced aphid [Myzus persicae] transmission of plant viruses [Tobacco]. 038921

POLYCHLORINATION
The influence of *polychlorinated* **biphenyl** compounds on hepatic function in the rat. 035408
Polychlorinated **biphenyl** residues in silos in the United States. 039591
Potentially persistent industrial organic chemicals other than PCB *[polychlorinated* **biphenyl].** 041516
Residues of organochlorine insecticides and *polychlorinated* **biphenyls** in some Norwegian foods. 032123
Presence and distribution of *polychlorinated* **biphenyls** (PCB) in arctic and subarctic marine food chains. 039576

POLYCYCLIC
Chromatographic isolation and spectral analysis of *polycyclic* **quinones** application to air pollution analysis. 041520

POLYELECTROLYTES
Effect of *polyelectrolyte* **molecular** weight and stock agitation on filler retention [Paper manufacture]. 035881

POLYEMBRYONY
Polyembryony in **Kentucky** bluegrass [Poa pratensis] as a source of variation in disease reaction [Drechslera triseptata, Erysiphe graminis]. 036302

POLYESTER
Effect of carding variables and *cotton-polyester* **blends** on carding efficiency and processing performance. 033167
Effect of drawing and roving processing variables and *cotton/polyester* **blends** on roving quality [Textiles]. 033168

POLYETHYLENE
Effect of *polyethylene* and **aluminium** foil mulches at three plant populations on yields of glass house tomatoes. 038508
Effect of **black** *polyethylene* mulch on the growth, earliness and yield of cauliflower (Brassica oleracea var. botrytis). 041015
Rate of passage of chromic oxide and *polyethylene* **glycol** and digestibility in the digestive tract of pigs. 034424

POLYETHYLENIMINE
The effect of *polyethylenimine* on some **fungi** [Aspergillus, Chaetomium, Paecilomyces, Penicillium]. 037328

POLYGONACEAE
Nomenclature notes on some species of **Atraphaxis** L. *(Polygonaceae).* 035978

POLYGRAMMA
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) **infecting** *Polygramma* undecimlineata (Coleoptera: Chrysomelidae) in Cuba [Potato pests]. 039365

POLYHEDROSIS
Aerial application of a **nuclear** *polyhedrosis* virus to control European pine sawfly [Neodiprion sertifer]. 039382
Replication of a **nuclear** *polyhedrosis* virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. 039866

POLYLYSINE
Different effects of *polylysine* and **polyarginine** on the transition to a condensed state of DNA in polyethyleneglycol/salt solution [Calves]. 033792

POLYMERASES
Thermosensitive mutations affecting ribonucleic **acid** *polymerases* in Saccharomyces cerevisiae [Yeasts]. 036563
Deoxyribonucleic **acid** *polymerases* and deoxyribonucleases in [pea] Pisum sativum. 037871
Characteristics of the major internal protein and RNA-dependent **DNA** *polymerase* of bovine leukaemia virus [Cattle, sheep]. 035108
DNA *polymerase* in pseudorabies virus infected cells. 035109
In vitro transcription of 70S RNA by the RNA-directed **DNA** *polymerase* of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. 035132
Effect of cordycepin triphosphate on the nuclear **DNA-dependent** *RNA-polymerases* and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. 036780
Comparison of RNA synthesis by bacterial [Escherichia coli] *RNA-polymerase* on **polytene** chromosomes of Drosophila with transcription in living cells. 039926
Comparison of **RNA** *polymerase* associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. 035130
DNA-dependent **RNA** *polymerases* from yeasts [Saccharomyces cerevisiae]. 037100
Purificaton and characterization of **RNA** *polymerase* I from a higher plant [Soybeans]. 037363
Effect of cordycepin triphosphate on the nuclear DNA-dependent RNA-polymerases and poly(A) *polymerase* from the **yeast,** Saccharomyces cerevisiae. 036780

POLYMERIZATION
Temperature of **acrylamide** *polymerization* and electrophoretic mobilities of nucleic acids [Plants]. 036760
Graft *polymerization* of wood fiber. 035858
The influence of the degree of *polymerisation* of **water** soluble carbohydrates on their loss during hay drying in the field. 033589

POLYMERS
Poly(amide-acetals) and poly(ester-acetals) from polyol acetals of methyl (9(10)-formylstearate: preparation and physical **characterization** *[Polymers].* 032858
In homage to professor Herman Francis Mark on his 80th birth anniversary *[Polymer* **chemists,** cellulose, United States]. 035727

POLYMORPHISM
Estimation of the mating system of Eucalyptus obliqua L'Herit. by using **allozyme** *polymorphisms.* 036392
Polymorphism of **chromosomes** of inbred lines and species of populations of rye (Secale cereale L.). 036469
Polymorphism for **dimerizing** ability at the esterase-5 locus in Drosophila pseudoobscura. 039751
Polymorphism in **fowl** serum albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). 033872
Genetic *polymorphism* of the erythrocytic enzymes ACP 6-PGD, G-6PD and PHI in pigs of the Swedish Large White breed [Acid phosphatase, phosphogluconate dehydrogenasephosphohexose isomerase]. 034606
Genetic *polymorphism* and enzyme activity of plasmic alkaline phoshatase in the water buffalo. 034607
Genetic *polymorphism* of milk proteins in Japanese cattle and European cattle breeds in Japan. 034706
Genetic *polymorphism* of beta-caseins in Kholmogorsky cattle. 034810
Allozymes of Galapagos tomatoes: *polymorphism,* **geographic** distribution, and affinities. 036485
Glutathione *polymorphism* in the sheep red blood cells. 033986
Polymorphism in **Gymnocalycium.** II. 036361
Preliminary studies on *polymorphism* of **hemopexins** in blood serum of Large White Polish pigs. 033908
Hereditary *polymorphism,* hereditary monomorphism, and their role in the evolution of coloration in Chrysomelidae (Coleoptera). 039959
Genetic studies on European larch (Larix decidua Mill.) employing **isoenzyme** *polymorphisms.* 036495
Polymorphism and **mosaicism** for supernumerary chromosomes in silver roxes [Fur bearing animals]. 034823
Corpus allatum and ovarian growth in a *polymorphic* **paedogenetic** insect [Aphis craccivora]. 039885
Patho-physiological studies on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN *[polymorphonuclear]-leukocytes* [**Rabbits**]. 035304
An integrated classification for *polymorphism* and **sexual** dimorphism in butterflies. 040111
Scenedesmus trainorii sp. Nov. (Chlorophyta, Chlorococcales): a *polymorphic* **species** [Algae, new taxa]. 036111

POLYOLS
Poly(amide-acetals) and poly(ester-acetals) from *polyol* **acetals** of methyl (9(10)-formylstearate: preparation and physical characterization [Polymers]. 032858
Variations in the *polyol* **content** during fermentation of apple juices and wines. 033442
Purification and properties of a *polyol* **dehydrogenase** from Cephalosporium chrysogenus [Fungi]. 037014
Purification and properties of *polyol:* **NADP** [niconinamide adenine dinucleotide phosphate] oxidoreductase from pichia quercuum [Fungi]. 036731

POLYPEPTIDES
Polypeptides and **amino** acids in the bulbus of Merendera caucasica. 037196
Peptic peptides from the beta *polypeptide* **chain** of AII component of chicken hemoglobin. 034031
Tryptic peptides from the beta *polypeptide* **chain** of AII component of chicken hemoglobin. 034033
Isolation and characterization of a **photolabile** *corrinoid-polypeptide* complex from bovine liver. 033837
Application of circular polarization of luminescence to the study of peptides, *polypeptides,* and **proteins.** 032833
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by thrombin and the terminal residues of the **subunit** *polypeptides.* 034030
Isolation and characterization of a mitochondrially **synthesized** *polypeptide* from Neurospora crassa cni-1 mutant [Fungi]. 036957

POLYPHENOLOXIDASE
Changes in *polyphenoloxidase* **activity** and substrate levels in maturing 'Golden Delicious' apple and other cultivars. 037729
The role of peroxidase and *polyphenoloxidase* **systems** in relation to charcoal rot disease of soybean incited by Macrophomina phaseolina. 038666

POLYPHENOLS
The *polyphenol* of **Dioscorea** alata (yam) tubers associated with oxidative browning. 033416
Characterization of the respiratory metabolism of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of *polyphenol* and **glycolate** oxidizing enzymes [Algae]. 037153
Properties of the *polyphenol* **oxidase** of grapes of the Cabernet Sauvignon variety. 033343
Phenolic compounds & *polyphenol* **oxidase** activity in relation to resistance in potatoes against bacterial soft rot [Erwinia carotovora]. 038860

POLYPHOSPHATES
Agronomic results with *polyphosphate* **fertilizers.** 041025
Study of **high-molecular-weight** *polyphosphates* at different stages of development of Acetabularia crenulata [Algae]. 037282
Reaction products of *polyphosphates* and **orthophosphates** with soils and influence on uptake of phosphorus by plants [Maize]. 041045

POLYPLOIDS
Heritability of useful traits of swine and the effectiveness of **breeding** on their *polyploidy.* 034867
Polyploidy in **fat-body** of honeybees [Apis mellifera] duringlarval growth and development. 040249
Some morpho-physiological and symbiotic properties of *polyploid* **forms** of pea nodule bacteria [Rhizobium leguminosarum, alfalfa]. 037680
On O. Winge and a prayer: the origins of *polyploidy* [in the **higher** plants]. 036399
Polyploidy and **mutations** induced in apricot by colchicine treatment. 036412
Somatic *polyploidy* in tissue development [Insects]. 039932
Prospects of studies of *polyploidy* in **sugarbeets.** 036652

POLYPODIUM
Polypodium **plumula** in the Bahamas [Pteridophyta]. 035945
Polypodium vulgare **versus** *Polypodium* virginianum in the eastern United States [Pteridophyta]. 035946

POLYPORACEAE
Type studies in the *Polyporaceae.* 6. **Species** described by W. J. Hooker [Fungi]. 036095
Studies on fungal products. II. Animo acids in some **species** of *Polyporaceae.* 037071

POLYPORE
Two **remarkable** *polypores* from India [Cystostiptoporus indicus, Coltricia bambusicola, Fungi, new taxa]. 036165
Pycnoporus cinnabarinus [Fungi], a misunderstood species ofthe ancients or *polypore* in **view** of extension in Belgium and the Grand Duchy of Luxembourg. 036072

POLYRIBOSOMES
Structural organization of **chloroplast** *polyribosomes* in connection with biogenesis of thylakoids of grana [Peas]. 037681
Procollagen biosynthesis and *polyribosome-membrane* **interactions** in embryonic chick tendon cells. 034205
Influence of ionic strength, pH [hydrogen-ion concentration], and chelation of divalent metals on isolation of *polyribosomes* from **tobacco** leaves. 037521

POLYSACCHARIDES
Polysaccharide-degrading **ability** of rice blast fungus [Pyricularia oryzae] of a different pathogenicity and virulence. 038573
Skin reaction and macrophage migration inhibition tests for *polysaccharides* from **Aspergillus** Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
Polysaccharides from the **bark** of the white willow (Salix alba L.): structure of an arabinan. 035717
Polysaccharides of **brown** algae [Phaeophyta]. VIII. A study of pelvecyan and sargassan by methylation. 036894
Polysaccharides of Matricaria chamomilla. I. Monosaccharide composition of the *polysaccharide* **complex.** 036893
Extracellular *polysaccharides* of soil bacteria. 040650
Molecular structure of the *polysaccharide* **exudate** from Acacia baileyana F. Muell. [Raw gum]. 032769
Properties of *polysaccharides* **liberated** from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Polysaccharides of **Matricaria** chamomilla. I. Monosaccharide composition of the polysaccharide complex. 036893
Neutral *polysaccharides* in soy sauce. 033248
Activity of enzymes hydrolyzing **nonstarch** *polysaccharides* in enzyme preparation used in brewing [Barley, fungus Trichothecium roseum, Aspergillus oryzae). 033148
Investigation of the *polysaccharides* from the **stems** of Althaea rugosa. 036885
Sulphated *polysaccharide* of the thallus of brown seaweed Undaria pinnatifida, Wakame. 032849
Isolation and fractionation of **water-soluble** *polysaccharides* from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032710
The structures of **water-soluble** *polysaccharides* isolated from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032712
Technologica supply of **water-soluble** *polysaccharides* of grapes. 033462

POLYSCIAS
Panax *[Polyscias]* **propagation.** 038353

POLYSOMES
Polysomes from **cultured** muscle cells: the cell-free synthesis of myosin [Chick embryos]. 034046
Cell-free synthesis of tubulin 1 and tubulin 2 on *polysomes* **isolated** rom embryonic chick brain. 033789
Plant desiccation [of the drought-tolerant mass Tortula ruralis]: *polysome* **loss** not due to ribonuclease. 037260

POLYSPHONDYLIUM
Cellular slime molds [Dictyostelium, *Polysphondylium,* **Acytostelium**] of southeast Asia. II. Occurrence and distribution. 035953
Acid protease activity during germination of microcysts of the cellular slime **mold** *Polysphondylium* pallidum. 037010

POLYSTICHUM
A new locality for Braun's Holly Fern *[Polystichum* **braunii** purshii] in Minnesota [Pteridophyta]. 035942

POLYTENE
Pattern of binding of tritiated actinomycin D to Phaseolus coccineus [scarlet runner beans] *polytene* **chromosomes.** II. the entire chromosome complement. 036492
Polytene **chromosomes** of the sandfly Lutzomyia longipalpis and the cytogenetics of Psychodidae in relation to other Diptera. 039838

Influence of boron on the development of puffs in the *polytene* **chromosomes** of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. 039917
Influence of sodium arsenate on the *polytene* **chromosomes** of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. 039918
Comparison of RNA synthesis by bacterial [Escherichia coli] RNA-polymerase on *polytene* **chromosomes** of Drosophila with transcription in living cells. 039926
Influence of a prolonged thermal influence on the activity of the *polytene* **chromosomes** of the salivary glands of Drosophila melanogaster. 039927
Comparative study of asynapsis of larvae salivary **gland** *polytene* chromosomes of Drosophila melanogaster, Drosophila simulans and their hybrids. 039757
The mitotic, *polytene,* and **meiotic** chromosomes of Drosophila ananassae. 039854
Isolation and experimental manipulation of *polytene* **nuclei** in Drosophila. 039942

POLYUNSATURATES

The biological effects of *polyunsaturated* **fatty** acids. 032212

POLYURETHANES

Rigid *polyurethane* foams from diethanolamides of carboxylated [linseed and soybean] oils and fatty acids. 033258

POLYVINYL

Stabilization of wine materials with **insoluble** *polyvinyl* pyrrolidone. 033461

POME

Experience regarding the organization of *pome* **fruit** harvest in large-scale horticulture. 031286
Diseases and physiological damage to leaves of *pome* **fruit.** 038980

POND

Nitrogen and phosphorus levels in soils beneath sewage **disposal** *ponds.* 040673
Nitrogen fixation in **Flax** *Pond:* a Long Island salt marsh. 040684
Biochemical studies of algal-bacterial symbiosis in high-rate **oxidation** *ponds* with varying detention periods and algae. 036790
Notes on two fungi [Cladosporium oxysporum, Fusariella obstipa] from *pond* **waters.** 036029

PONDEROSA

Service life of treated and untreated Black **Hills** *ponderosa* pine fenceposts: a progress report. 035890
Impact of air pollution on the growth of *ponderosa* **pine** [Pinus, injuries]. 035466
Ponderosa **pine** seeding trials in west-side Sierra Nevada clearcuts: some early results. 035694
Brown sapwood stain of *ponderosa* **pine** [Pinus] caused by Cytospora sp.: cultural and histological aspects. 038764
Dwarf mistletoe [Arceuthobium pusillum]-infected [Pinus] *ponderosa* **pines** survive top-pruning. 039141
A Southwestern mixed conifer plantation—case history and observations **[Pinus** *ponderosa,* Pseudotsuga menziesii, Picea parryana]. 035692
Recession brown stain [Cytosora disease of **Pinus** *ponderosa].* 035695

PONIES ***see*** **HORSES**

POPILLIA

Control of Japanese beetle *[Popillia* **japonica]** and European chafer grub [Amphimallon majalis in turf] with Dursban insecticide. 039276

POPLAR

Usefulness of *[poplar]* **cuttings** in the biological management of coal mine dumps [Afforestation]. 035691
Root formation in *poplar* **[Populus** nigra] cuttings: the effect of the leaf on root formation. 035660
Rhythm of nutrient mineral uptake by the *poplar* **[Populus** x euramericana] in an nursery. 037904
Linospora ceuthocarpa (Fr.) Munk ex Morelet, a parasite of *poplar* **[Populus]** leaves. 038612
Populus trichocarpa (Torr. Et Gray)—a *poplar* **species** little known in Poland. 035690
An attack of Schizophyllum commune Fr. On young plants of **white** *poplar* [Populus alba]. 038594

POPPY

Labile bound phenolcarboxylic acids and flavonoids in pericarp and placenta of **oil** *poppy* [Papaver]. 036933
Free phenolcarboxylic acids in the pericarp and placenta of **opium** *poppy.* 037275
Raw stuff bulk and morphine content of **soporific** *poppy* (Papaver somniferum L.) as affected by the fruit stalk length. 037830

POPULATION

Observations on the re-establishment of Aedes **aegypti** *population* in Poona City and suburbs, Maharashtra State, India. 039463
Seasonal changes in two **algal** *populations* from the coastal waters of Washington State. 036224
Genetic resources of **animal** *populations* [Livestock breeding, research projects, Italy]. 034655
On the adjustment of the sex ratio and the gregarious behaviour of **animal** *populations.* 034704
The future use of cytogenetics in the manipulation of domestic **animal** *populations.* 034762
Physiological differences among *populations* of **Anthoxanthumodoratum** L. collected from the Park Grass Experiment, Rothamsted. IV. Response to potassium and magnesium. 037471
A survey of the vitamin content of foods as they are consumed by selected groups of the **Australian** *population.* 032244
Starling (Sturnus vulgaris L.) predation on grass grub (Costelytra zealandica (White), Melolonthinae) *populations* in **Canterbury** [Biological control]. 039295
Tritiated-thymidine induced changes in **cell** *population* kinetics in root meristems of Pisum sativum [Peas]. 039054
Research on a *population* of **Cercospora** beticola Sacc. Tolerant to benomyl. 038639
Population **change** in nonmetropolitan cities and towns [Rural sociology]. 030999
Population **change** in South Dakota small towns: 1960-1970 [Rural sociology]. 031026
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in *populations* of **Chlorella** vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Distribution and *population* **constitution** of Drosophila in South East Asia and Oceania. II. Drosophilidae in the suburbs of Kuala Lumpur, west Malaysia [New taxa]. 040104
Ipsenol, the *population* **control** material for silver fir bark beetle [Pityokteines curvidens, Coleoptera, Scolytidae]. 039404
Age changes in the structure of *population* of **Coscinodiscusgranii** Gough [Algae]. 036838
Food and *population*—a **critical** appraisal. 031838
Effect of chemical treatment of stumps from improvement cutting areas on the *population* and **destruction** by root rot. 038745
Population **differentiation** under the charge state model [Drosophila willistoni]. 039752
The importance of sugar in the nutritional management of the **Dutch** *population.* 032475
Effects of diethylstilbestrol on feral house mouse (Mus musculus L.) *population* **dynamics** under experimental field conditions. 034006
Parasites, predators, and *population* **dynamics** [of insect pests of plants]. 039221
The mortality factors of **experimental** *populations* of Lymantria dispar in a larch [Larix leptolepis] plantation and natural forest. 039389
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of **fibre** *populations* in fast and slow rabbit muscles. 034130
The effect of a long contact of the *population* of **fleas** [Xenopsylla cheopis] with plague Bacteria on the infection activity of vectors. 039503
Follicular *population* and body weight in relation to genetic differences in ovarian response to gonadotropin in rats. 034662
Resistance to acaricides of outdoor *populations* of the **fruit** tree spider mite Panonychus ulmi (Koch) on grapes. 039369
Influence of foliar nutrient sprays on the *population* of **Fusarium** oxysporum f. melonis and other soil microflora in the rhizosphere of muskmelon. 038693
Domestication and *population* **genetics** [Farm animals]. 034705
Best starting plant material. Structure of natural populations. Plant exploration methods. Observations on the collected material *[Population* **genetics].** 036384
Studies of interspecific competition at early growth stages of a *population* of **granary** beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, Tortricidae) *populations* in **Hungary** [Pest of hemp]. 039249
The distribution and composition of **hybrid** *populations* of Erica ciliaris L. and Erica tetralix L. in Dorset [Ecological factors]. 036225
Population **increase** of Phytoseiulus persimilis on differentinsectary feeding programs [Tetranychus pacificus, beans, pests]. 039343
Study of acceptability of fortesan nutriment (milk with soya flour) by the **infantile** *population* of Curico, Chile. 032312
The dynamics of **insect** *populations* [including plant pests]. 039785
Oscillations of tropical **insect** *populations.* 039888
The genetic variability of the yield components in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] *population* **[Insecticides,** plant origin]. 036626
Trilliums in Hokkaido. Cytogenetics of evolution and *population* of **Japanese** Trillium. A review. 036581
Effect of temperature and density of the **larval** *population* on the mutation penetrance in Drosophila virilis. 039758
The genetic variability of third chromosomes in a **local** *population* of Drosophila melanogaster. 039753
Index selection for several agronomic traits in the BSSS2 **maize** *population.* 036432
Short-term change in a *population* of the **meat** ant Iridomyrmex purpureus (Hymenoptera: Formicidae). 039633
Short-term change in a *population* of the **meat** ant Iridomyrmex purpureus (Hymenoptera: Formicidae). 039634
Dispersion and history of a *population* of the **meat** ant Iridomyrmex purpureus (Hymenoptera: Formicidae) [Geographical distributions]. 039988
Dispersion and history of a *population* of the **meat** ant Iridomyrmex purpureus (Hymenoptera: Formicidae). 039989
Population **methods** in the phenogenetics of plant quantitative traits. II. Allometric analysis. 036686
Migration and the dynamics of **multiregional** *population* systems. 031033
Evolution of experimental **"mutator"** *populations* of Drosophila melanogaster. 039748
Best starting plant material. Structure of **natural** *populations.* Plant exploration methods. Observations on the collected material [Population genetics]. 036384
Needle variation in **natural** *populations* of Cryptomeria japonica D. Don. 037903
High frequency of one element of segregation distorter in **natural** *populations* of Drosophila melanogaster. 039731
Investigation of synchronous and parallel changes in the gene pools in **natural** *populations* of the fruit fly Drosophila melanogaster. 039920
Study of biomass and caloric value of the soil **nematode** *population* in hornbeam-oak [Carpinus, Quercus] forest in Bab. 040569
The natural history of the Hardangerfjord. 12. The late summer water exchange in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an **offshore** *population* into the fjord in June, 1956. 037255
Survey anthropometric measurements [Effects of nutrition **onhuman** *populations].* 032313
Organophosphorus resistance in a peach **orchard** *population* of predacious mites [Acarina, Phytoseiidae]. 039339
Determination of the riboflavin nutritional status of a **pediatric** *population.* 032267
The effects of high and low carbon dioxide concentrations on **plankton** *population* dynamics [Algae]. 037245
Competition between metal tolerant and normal **plant** *populations;* a field experiment on normal soil. 036207
Problems of temporal variability of genetic parameters in **plant** *populations.* I. The theory of question. 036524
A confidence interval for the heritability coefficient of continuous characters [in the genetic analysis of **plant** *populations].* 036662
Effect of polyethylene and aluminium foil mulches at three **plant** *populations* on yields of glass house tomatoes. 038508
Multinucleate plant cells. I. Aneuploidy in a **proliferating** *population.* 036309
Cytogenetic investigation of mutation process in the *population* and **pure** lines of rye seeds (Secale cereale L.) under storage. 036511
Study of the genetic effects induced in *populations* by **radioactive** products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Some demographic aspects of reconstructing settlement **[Rural** *population].* 030993
Resettlement **[Rural** *population].* 031066
Polymorphism of chromosomes of inbred lines and species of *populations* of **rye** (Secale cereale L.). 036469
The effect of synchronizing dark period on *populations* of **Scenedesmus** quadricauda [Algae]. 036829
Breeding for fattening performance and carcass quality in the mutton **sheep** *population.* 034829
Some problems of leucosis genetics in cattle. I. Transmission, the age of a disease, the effect of the *population* **size,** purebredness and the level of milk yield on the rate of leucosis. 035315
Environmental regulation of the *population* **size** of the oak leaf roller moth (Tortrix viridana L.) in the Niepolomice Forest. 039384
Seasonal changes in physiological age composition of tabanid (Diptera) *populations* in **southern** Ontario. 039857
Microplankton of the north Pacific central Gyre. *Population* **structure** and abundance, June 1973. 036032
Population **structure** and dynamics of the house dust mite Dermatophagoides farinae (Acarina: Pyroglyphidae) in Czechoslovakia. 039455
Population **study** of Saccharomyces cerevisiae [yeasts]. I. Cell morphology and age categories distribution in dependence on the medium composition in a continuous cultivation. 036833
World priority number one: *population* and **subsistence.** 031789
Selection within **sugarcane** *populations* for resistance to the sugarcane froghopper Mahanarva posticata Stal (Homoptera, Cercopidae) in Pernambuco. 036402
The cytogenetic structure of **Tasmanian** *populations* of Phaulacridium vittatum. 039678
Studies on intraindividual and interindividual variation of rye chromosome pairing in diploid and **tetraploid** *populations.* II Individual variation. 036395
Growth and development of five [Australian] *populations* of **Themeda** australis in response to temperature. 037358
Redistribution of the *population,* this **time** of rural space, in Auvergne, France. 030995
Population **trend** and time of activity of certain spiders (Araneida), collected from clover foliage in Egypt. 039262
Population **trends** and food production potential. 031877
Genetic analysis of a *population* of **Tribolium** [castaneum]. V. Viability of the unsaturated fatty acid sensitive mutant. 039654
Effect of the host plant [kidney bean] nutrition on the *population* of the **two** spotted spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329

Determination of the transketolase activity in erythrocytes in studying the consumption of **vitamin** B1 by the *population*. 032483

POPULUS

Redwoods [Sequoia sempervirens] to "popple" *[Populus]*—**Aladdins** in the forests. 035510
An attack of Schizophyllum commune Fr. On young plants of white poplar *[Populus* **alba]**. 038594
Two infection sites of Hypoxylon mammatum in trembling **aspen** *(Populus* tremuloides) [Saperda concolor]. 038589
Rhythm of nutrient mineral uptake by the poplar *[Populus* x **euramericana]** in an nursery. 037904
The **genus** *Populus* in Paleogene flora of Sakhalin. 035984
Linospora ceuthocarpa (Fr.) Munk ex Morelet, a parasite of poplar *[Populus]* **leaves.** 038612
Root formation in poplar *[Populus* **nigra]** cuttings: the effect of the leaf on root formation. 035660
Note on epidemiology and control of popular *[Populus* **nigra]leaf** rust [Melampsora laricipopulina]. 038753
Shoot system and terminal bud of Salicaceae *[Populus,* **Salix].** 036336
In vitro and in vivo germination of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of leaf **spot** of *Populus].* 038611
Fungal [Phellinus tremulae] decomposition of sapwood and hearthwood of European aspen, *Populus* **tremula** L. 038610
Estimating aspen *[Populus* **tremuloides]** volume and weight for individual trees, diameter classes, or entire stands. 035627
Effect of three species of logging slash [from *Populus* **tremuloides,** Pinus banksiana, and Picea mariana]. 035745
Variability of host and pathogen in hypoxylon [mammatum] canker of aspen *[Populus* **tremuloides].** 038591
Sexing large aspen tortrix pupae [Choristoneura conflictana, *Populus* **tremuloides].** 039409
Populus **trichocarpa** (Torr. Et Gray)—a poplar species little known in Poland. 035690

PORCELLIO

Haemolymph proteins in *Porcellio* **laevis** Latreille (Porcellionidae, Isooda): the molecular weight. 039683

PORCELLIONIDAE

Haemolymph proteins in Porcellio laevis **Latreille** *(Porcellionidae,* Isooda): the molecular weight. 039683

PORCINE

Phosphodiesterases from *porcine* **coronary** arteries: inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. 034106
In vitro steroidogenesis in *porcine* **corpora** lutea. 034003
The behaviour of *porcine* **cytomegalovirus** in commercial pig herds. 035114
On the specificity of *porcine* **elastase.** 033807
Kinetic mechanism of formiminotransferase from *porcine* **liver.** 033804
Longitudinal fascicular growth in the *porcine* **longissimus** muscle. 034004
Primary structure of cytoplasmic aspartate aminotransferase from *porcine* **myocardium.** Amino acid sequence of peptides from cyanogen bromide hydrolysate. 033783
The significance of the serotype in the clinical and pathological features of naturally **occurring** *porcine* salmonellosis [Salmonella choleraesuis kunzendorf, Salmonella typhimurium]. 035038
Phospholipase A2, isoenzyme from *porcine* **pancreas** purification and some properties. 033810
On the formation of a ternary complex between *[porcine* **pancreatic]** lipase, colipase and micelles of amphipathic compounds. 033820
CD spectral comparison of *porcine* **proinsulin** C-peptide and several fragments of its sequence. 033919
Identification of heat-dissociable RNA complexes in **two** *porcine* coronaviruses. 035164

PORES

Relative permeability and the **gross** *pore* structure of wood. 035898
Septal *pores* in Prototaxites, an enigmatic Devonian plant. 036356

PORK *see* SWINE

POROSITY

Regulation of avian **eggshell** *porosity.* 033133
A method of culturing Rhizobium meliloti on *porous* **granulesto** form a pre-inoculant for lucerne seed. 040665
Combined investigation of the thermophysical and electrophysical properties of *porous* **media.** 040816

PORPHYRA *see* BANGIACEAE

PORPHYRINS

Reactions of nitrous acid and nitric oxide with *porphyrins* and **haems.** nitrosylhaems as nitrosating agents [Food additives, meats]. 031982
Applications of high-pressure liquid chromatography and field desorption mass spectrometry in studies of **natural** *porphyrins* and chlorophyll derivatives. 037032

PORT

The **hybrid** *Port-Bouet* 121. New results [Copra]. 038422
Handling of fertilisers at **Indian** *ports.* 040925
Sugar terminal at the *port* of **Maceio,** Alagoas [Storage]. 033194

PORTHETRIA

Sex attractant curbs gypsy moth *[Porthetria* **dispar,** forest trees]. 039375

PORTULACACEAE

Chromosome counts and a new combination in Claytonia sect., **Limnia** *(Portulacaceae).* 036051

POSTIRRADIATION *see* IRRADIATION

POSTMORTEM *see* AUTOPSIES

POSTSYNAPTIC *see* SYNAPSIS

POTAMOGETON

Field experiment on the effect of municipal sewage on macrophytes and epifauna in the lake littoral [Tests with *Potamogeton* **perfoliatus].** 041497

POTASH

Appearance of *potash* **deficiency** in the course of rotations cotton/food crops on a ferrallitic soil in the Central African Republic. 040953
Progression in fertilizer use, particularly of *potash* **fertilization** in relation with productivity of Hevea. 040966
Response of paddy to nitrogen, phosphate and *potash* and their **respective** economic optima under varying prices. 040927
Crop responses to *potash* in **Sierra** Leone. 040955

POTASSIUM

Rhythm of *potassium* **absorption** in relation with growth (pineapple and banana). 037746
A fluorescent probe study of the lipid mobility of membranes containing sodium- and *potassium-dependent* **adenosine** triphosphatase [Sheep kidney]. 034105
Potassium in an **arid** loessial soil: characterization by equilibrium release-absorption to strong salt solutions. 040767
Potassium in an **arid** loessial soil: changes in availability as related to cropping [sequences] and fertilization. 041044
Comparative studies of analytical methods for determining **available** *potassium* in tropical soils. 040640
Absorption of strontium-90, *potassium* and **calcium** by oat plants from soil during ontogenesis. 037420
Yield improvement of coconut in elevated inland area of Davao (Philippines) by KCl *[potassium* **chloride]** fertilization. 041023
Comparisons of ground and whole shelled corn, roughage supplements and *potassium* and **cobalt** additions in finishing beef steers. 034440
Changes of phosphorus and *potassium* **compounds** in soddy-podzolic and Grey forest soils under the effect of water erosion. 040721
Potassium **concentration** in bovine muscle as influenced by carcass location, breed, sex, energy intake, age and shrunk body weight. 033089
An electrophysiological analysis of extra-axonal sodium and *potassium* **concentrations** in the central nervous system of the cockroach (Periplaneta americana L.). 039844
Genetic control of the *potassium* **content** in the erythrocytes of sheep (Ovis domesticus). 034817
The influence of nitrogen, phosphorus, *potassium,* and **copper** doses on the yields, and the copper and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
Potassium **cycle** in the humid tropical forest. 040645
The appearance of *potassium* **deficiency** in cotton/food crop rotation on ferralitic soil in the Central African Republic. 038971
Potassium **depletion** and impaired insulin release in proteinenergy malnutrition. 032428
Evaluation of analytical methods for **determining** *potassium* status of Nigerian soils. 040641
Effect of **dietary** *potassium* level on utilization of magnesium by sheep fed different magnesium levels. 034468
Investigations on accumulative phosphorus and *potassium* **dressing** in a six-course field crop rotation. 041031
Comparative studies of plant growth and distribution in relation to waterlogging. IX. The uptake of *potassium* by **dune** and dune slack plants. 037035
Pedogenesis in the humid tropics and the **dynamics** of *potassium.* 040643
Potassium-calcium **exchange** equilibria in volcanic-ash soils. 040768
Change in amount of cyanides in wines relative to treatment with *potassium* **ferrocyanide.** 033456
Rose response to nitrogen, phosphorus, and *potassium* **fertilization** rates in plastic mulch covered beds of find sand. 040894
Industrial organization of phosphorus, *potassium* **fertilization** by agrochemical centers. 040913
Effects of *potassium* **fertilization** on Hevea grown on tertiary sandy soils in the savannah of the lower Ivory Coast. 040956
Potassium **fertilization** in relation to other production factors. 040962
Recent works carried out by the Institute of Tropical Agronomic Research and Food Crops in the area of *potassium* **fertilization** of tropical soils. 040967
Response of sweet potato (Ipomea batatas), to *potassium* **fertilization** on a red Oxisoil in Tanzania. 040969
Response to *potassium* **fertilization** in the FAO [Food and Agriculture Organization] fertilizer programme in Africa (1961-1972). 040970
The optimal nitrogen, phosphorus and *potassium* **fertilization** of grasslands. 041082
Long-term responses of 'Thompson Seedless' [grape] vines to *potassium* **fertilizer** treatment. 040880
Early results of a comparison between a nitrogen-rich and a *potassium-rich* **fertilizer** in dwarf coconut palms. 041101
Effect of nitrogen, phosphorus, and *potassium* **fertilizers** on yield components and specific gravity of potatoes. 040882
Residual effects of phosphorus and *potassium* **fertilizers** on shaded cocoa (Theobroma cacao L.) in Ghana. 040968
Distribution of phosphate and *potassium* **fertilizers** in the topsoil, applied on the surface or absorbed in the soil. 041072
Phospho-potassium **fertilizers** and organic amendments. 041080
Balance and dynamics of *potassium* under **forage** crops in humid tropical areas. 040954
Potassium **forms** in main soil types of the plain zone of Dagestan. 040738
Effect of time of application of *potassium* **gibberellate** on cluster development of 'Zinfandel' grapes. 038531
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, *potassium]* and their **influence** on quality of potato. 040980
The utilization of potassium 40 isotope for labelling in the study of *potassium* **intake** from fertilizers and soil by plants. 040879
The role of *potassium* **ion** in muscle glycogenolysis and glycolysis [Dogs]. 034156
Membrane potentials and activity of *potassium* **ions** cells of tobacco tissue cultures. 037584
Evidence for electrogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and *potassium* **ions]-ATPase.** 033796
Induction of the catalytic protein of (Na+ +K+) [sodium and *potassium* **ions]-ATPase** in the salt gland of the duck. 033800
The utilization of *potassium* 40 **isotope** for labelling in the study of potassium intake from fertilizers and soil by plants. 040879
Physiological differences among populations of Anthoxanthumodoratum L. collected from the Park Grass Experiment, Rothamsted. IV. Response to *potassium* and **magnesium.** 037471
Monthly determinations of the concentrations of sodium, *potassium,* **magnesium** and calcium in the rain and in pools on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
Influence of Na+, K+, Mg2+ [sodium. *Potassium,* **magnesuim** ions] and cooling on proteosynthesis in hemocytes of Galleria mellonella. 039684
Interactions between IAA [indoleacetic acid], *potassium,* and **malate** accumulation, and growth in Avena [oats] coleoptile segments. 037612
The estimation of the provision of Chernozems with *potassium* and the **methodology** of its determination. 040564
Studies on the availability to plants of soil nitrogen in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, *potassium]* and **micronutrients.** 041110
The growth inhibitors in sugarbeet seed balls. II. Isolation of *potassium* **nitrate** as the germination inhibitor and hypocotyl stimulating substance. 037545
The migration of nitrogen, phosphorus and *potassium* of **nitroammophoska** in loamy soddy-podzolic soil. 040878
Influence of the level of *potassium* **nutrition** on the physiological functions of tropical plants and the quality of their products [Bananas, pineapples, cotton]. 036978
Interactions between nitrogen and *potassium* in the **nutrition** of tropical oil plants. 036979
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of *potassium* **nutrition** [Field beans, sunflowers]. 037434
Influence of special ecological conditions on growth, metabolism, and *potassium* **nutrition** of tropical crops (as exemplified by the case of rice). 037450
Foliar diagnosis and *potassium* **nutrition** in the cotton plant. 040902
Foliar diagnosis and *potassium* **nutrition** of cotton. 040959
The influence of *potassium* **nutrition** on the yield and chemical composition of some tropical root and tuber crops [Fertilizers]. 040975
Effects of luminal calcium on transport of Na [sodium] and K *[potassium]* by **perfused** main duct of rat submaxillary gland. 033935
Distribution of calcium, *potassium* and **phosphorus** in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
Role of folair diagnosis in the establishment of nitrogen, *potassium* and **phosphorus** requirements of grapes. 037884

A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, magnesium, sodium, *potassium]* by **pigs** growing at a high ambient temperature. 033738
The mode of activation by *potassium* of **potassium-dependent** and quabain-sensitive phosphatase activity. 033768
The cryptonephridial system in the mealworm Tenebrio molitor: transport of **radioactive** *potassium,* thallium and sodium; a functional and structural study. 039672
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ *[potassium]* across **rat** submaxillary duct epithelium. 033938
Potassium **requirement** for cell division in Anacystis nidulans [Algae]. 037013
Potassium **response** of rice in Madagascar. 040964
Potassium **responses** of various crops in East Africa. 040963
Potassium **selectivity** in the soils of Egypt. 040553
Ductal reabsorption of Na [sodium] in 1:1 exchange for K *[potassium]* in **sheep** parotid gland. 033934
Connection of the adaptive reaction to the conditions of the arid zone with the type of the concentration of *potassium* in **sheep** blood. 034181
Study on the reestablishment of fertility on cotton soils **showing** *potassium* deficiency. 040972
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, *potassium* and **sodium** to soil [Kidney beans, oats, radioactive contamination]. 040877
Soil *potassium* relationships as indicated by solution equilibrations and plant uptake [Maize]. 040773
Release and fixation of *potassium* in some **soils** supporting the oil palm (Elaeis guineensis Jacq.) in Nigeria. 040646
Influence of N, P, K [nitrogen, phosphorus, *potassium]* on **stem** rot [Macrophomina phaseoli] incidence of capsularis jute. 038657
Action and interaction of nitrogen, phosphorus and *potassium* in **sunflower** fertilization on calcareous soils. 041062
The effects of *potassium* **supply** on growth and nutrient composition of teak (Tectona grandis L.f.) seedlings. 040973
Factors determining the *potassium* **supplying** power of soils in Ghana. 040642
Potassium **uptake** rates in tropical crops [Oilpalms]. 036980

POTATOES

Potato **aphids** [Chemical control]. 039309
Phenolic compounds & polyphenol oxidase activity in relation to resistance in *potatoes* against **bacterial** soft rot [Erwinia carotovora]. 038860
Adsorption of microbial beta-amylase on starch [from soybean, **barley,** *potato].* 033141
Biochemical characteristics of the outer membranes of plant mitochondria [Mung **beans,** *potatoes].* 037650
X-ray diffraction from oriented outer mitochondrial membranes. Detection of in-plane subunit structure [Mung **beans,** *potatoes].* 037658
Detection of cell wall breaking ability by cellulase of Alternaria brassicae **(berk.)** Sacc. *[Potatoes].* 038603
A mosaic disease of *potato* **caused** by potato virus S. 038881
Effect of variety and harvest date on tuber sugars and chip **color** *[Potatoes].* 033324
Age-dependent changes in juvenile hormone esterase and general carboxyesterase activity in the hemolymph of the **Colorado** *potato* beetle, Leptinotarsa decemlineata. 039877
Joint measures for improved supply [of *potatoes,* **cooperative** organization, East Germany]. 031332
The spread of [gangrene] Phoma exigua within the *potato* **crop.** 038569
Glandular hairs are a possible means of limiting aphid [Macrosiphum euphorbiae, Myzus persicae] damage to the *potato* **crop.** 039312
Effect of availability of nitrogen on alkaloid synthesis in Solanaceae [Tobacco, *potatoes,* **Datura** stramonium]. 036846
Applications of mineral oils for **deterring** *potato* virus Y infections in redpepper crops. 038934
Prevention of storage **disease** in *potatoes.* 039027
The influence of storage conditions on **disease** in *potatoes.* 039029
What is the possible role of gibberellin in the breaking of *potato* **dormancy?** I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in sprouting potato. 037617
The nutritive value of **dried** *potato* and maize pulps for swine. 034527
Changes in the physical properties of soil under the influence of mulching with bituminous emulsion and the significance of this treatment for **early** *potato* culture. 041189
Retrospect and outlook of the Central Marketing Association of the German Agrarian **Economy** for *potatoes.* 031682
Carboxypeptidase inhibitor from *potatoes.* The **effects** of chemical modifications on inhibitory activity. 037646
Toxicity of some organophosphates and carbamates against Epilachna vigintioctopunctata F. **[Eggplants,** *potatoes].* 039320
Controlling wireworms **[Elateridae]** in *potatoes.* 039331
Profitable production of *potato* in **feebly** alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Special **fertilization** of *potatoes.* 041081
Research concerning chemical control of storage rot in *potatoes* **[Fungus** diseases]. 038743
Growing **garden** *potatoes.* 038442
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in tuber-bearing Solanum **germplasm** *[Potatoes].* 036387
Effect of nitrogen, phosphorus, and potassium fertilizers on yield components and specific **gravity** of *potatoes.* 040882
Growing *potatoes* for alcohol production; results of an inventory [Culture]. 038403
Effect of kinetin on *potato* **growth** and productivity. 037862
Use of *potato* **haploids** in breeding and genetic studies. 036659
The yields of extracted protein and of residual fiber from *potato* **haulm** taken as a by-product [Feed]. 033507
Ways of **increasing** *potato* yield in irrigated soils. 038530
Towards a better knowledge of the national and **international** *potato* market. 031541
Involvement of DNA in resistance of *potatoes* to **invasion** by Phytophthora infestans. 038755
The effect of storage and culinary treatment of **irradiated** *potatoes* on the cytogenetic activity of extracts obtained from them. 032499
Effect of planting and harvest dates, location in the hill and tuber size on sugar content of **Kennebec** *potatoes* [in North Dakota]. 038255
Potato **leaf** and tuber water potential measurements with a pressure chamber. 037628
Light-induced inhibition of sporangial formation of Phytophthora infestans on *potato* **leaves.** 038583
Attempts to detect cyclic adenosine 3':5'-monophosphate in higher plants by three assay methods [Oats, tobacco, *potatoes,* **lettuce].** 037519
Thoughts on the *potato* **market** in fall 1975. 031684
Investigations on laboratory methods in estimating the resistance of *potato* selection **materials** to leaf roll virus [induced through viruliferons Myzus persicae]. 038933
Maximum *potato* yield in the United Kingdon. 038425
New ways to make **meat** & *potatoes.* 032625
Glycoalkaloids of the *potato* **[Metabolism].** 037800
Multirow *potato* harvester conquers the fields. 040507
Pathogenic types of *potato* **nematodes.** 039025
Controlling green peach aphids [Myzus **persicae]** on *potatoes.* 039330
Nosema polygrammae sp.n. And Plistophora fidelis sp.n. (Microsporidia, Nosematidae) infecting Polygramma undecimlineata (Coleoptera: Chrysomelidae) in Cuba *[Potato* **pests].** 039365
Nutrient concentrations and interactions in young leaves of *potato* **plants** growing with and without tubers. 037631
Nitrogen exchange in *potato* **plants** damaged by S and M viruses. 038916
Results from nitrogen fertilization of *potato* **plots.** 040918
The relation of rainfall, relative humidity and temperature to late blight [Phytophthora infestans] of *potato.* **Possibleforecasting** of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Potatoes and **potato** products in foreign trade. 031681
Irrigation [of *potatoes]* with **potato** processing water. 041356
Comparison of methods for measuring leaf and tuber water **potentials** in *potatoes.* 037627
Possibilities and problems of **processing** *potatoes* for the food industry. 033220
Report of tasks and future goals of the [West German] Federal Union of the *Potato* **Processing** Industry. 033428
Irrigation [of potatoes] with *potato* **processing** water. 041356
Treatment of *potato* **processing** waste water on agricultural land. 041610
Analysis and prediction of *potato* **producer** prices in the Federal Republic of Germany. 031520
Putting the finger on grower mistakes *[Potatoes,* **production].** 038258
Potatoes and *potato* **products** in foreign trade. 031681
Isolation of a low molecular weight active fragment of *potato* **proteinase** inhibitor IIb. 037766
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on **quality** of *potato.* 040980
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with **rage** of *potatoes.* 037814
Growth and development of *potatoes* in **relation** to application of mineral fertilizers and prometryne. 037881
Behavior of four bush redpepper varieties treated with insecticidal oils for **retarding** *potato* virus Y. 038935
Control of *potato* **scab** by cultural practices [Streptomyces, Spongospora subterranea]. 038836
New system for handling and supplying **seed** *potatoes* [Transportation]. 031551
Seed *potato* sprouting [Glasshouses]. 038224
Producing plant **seed** *potatoes* in the Netherlands. 038402
Commercial production of VTSC [virus tested stem cutting] **seed** *potatoes].* 038877
Dry rot [Phytophthora infestans] of *potatoes* is very **serious.** 038627
Glandular hairs on [the *potato]* **Solanum** polyadenium lessen damage by the Colorado beetle [Leptinotarsa decemlineata]. 039313
Kufri jyoti pays high dividends in the **south** *[Potatoes].* 038375
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in **sprouting** *potato.* 037617
Acropetal transport of exogenous beta-indolyacetic acid in *potato* **sprouts.** 037857
Production of hybrid *[potato]* **stock** utilizing the species Solanum bulbocastanum. 036467
Control of conditions used in *potato* **storage.** 033429
Forced ventilation of a pit silo for winter **storage** of *potatoes.* 040319
Reaction of **sweet** *potato* varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
Response of **sweet** *potato* (Ipomea batatas), to potassium fertilization on a red Oxisoil in Tanzania. 040969
Effects of cold treatments on the sprout growth of **three** *potato* varieties. 037761
Callus cultures from *potato* **tissues** and the exclusion of potato virus X from plants regenerated from stem tips. 038892
Prevention of *potato* **top-roll** by aphicide and its effect on leaf area and photosynthesis [Macrosiphum euphorbiae]. 039314
Chemical control of the *potato* **tuber** worm, Gnorimoschema operculella Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350
Determination of the content of natural growth inhibitors of the *potato* **tuber-caffeic** acid and scopoletin. 037636
Gibberellin-like substances in *potato* **tubers** during their growth and dormancy. 037670
Study of the RNA and protein synthesis in meristems of *potato* **tubers** and the effect of growth regulators of a phenylic nature on these processes. 037683
Correlation between methods to determine the protein content of *potato* **tubers.** 037731
Effect of fertilization on yield and composition in different *potato* **varieties.** III. Effect of fertilization and rainfall on tuber number per plant and its correlation with yield in different potato varieties. 041021
On the phenolic acids of vegetables. IV. Hydroxycinnamic acids and hydroxybenzoic acids of **vegetables** and *potatoes.* 033487
A mosaic disease of potato caused by *potato* **virus** S. 038881
Callus cultures from potato tissues and the exclusion of *potato* **virus** X from plants regenerated from stem tips. 038892
Physiological and biochemical changes in tobacco plants after their inoculation with *potato* Y **virus** (Solanum virus 2 Smith). 038898
Use of adjuvants for the mass production of diagnostic sera for some *potato* **viruses.** 038942
A wet-sieving and flotation technique for the detection of resting sporangia of Synchytrium endobioticum *[potato* **wart** disease] in soil. 038563
The 1974 **world** *potato* harvest. 031683
Effect of clone selection time on *potato* **yield.** 038529
Determination of losses of the *potato* **yield** due to Phytophthora by the dynamics of injuries on leaves. 038799

POTENCY

Some 4,5-dialkylthiazoles with *potent* **bell** pepper like aromas [Possible use as food flavorings]. 032854
Reproductive *potency* of sows reared as baby pigs by early weaning. 034863

POTENTIOMETRY

Potentiometric **investigation** of kinetics of the Hill reaction as a function of ferricyanide concentration [Maize]. 037586

POULTRY

Life cycle and pathogenicity of Emeria **acervulina** [in *poultry].* 035080
Lipid and vitamin metabolism during mycotoxicoses **[Aflatoxicosis,** *poultry].* 035425
Proteins of *poultry* **blood** at different ontogenetic periods and in connection with the use of biologically active substances. 033991
On the method of the evaluation of activity of ceruloplasmine in the plasm of *poultry* **blood.** 034188
Effect of experimental Neguvon intoxication on iron, copperand 14 C [carbon isotope] glycine content in the **blood** of *poultry.* 035404
Broiler **boosts** burger biz. 032652
Detection of Yersinia enterocolitica in the feces and meat of pigs, **bovines** and *poultry.* 035062
An outbreak of viral arthritis in *broiler* **breeders** [Chickens]. 035041
Poultry **breeding** research for self sufficiency. 034779
Performance of *broilers* during **brooding** at high densities. 033609
Broiler **chicken** compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at normal protein level. 034533
Age dynamics of the composition of phosphorous compounds in organs and tissues of *broiler* **chickens.** 034179
Effect of enzyme preparation addition to mixtures for early weaned piglets and *broiler* **chickens.** 034535

Necrotic enteritis in *broiler* **chickens.** III. Reproduction of the disease [Clostridium perfringens]. 035033
Effect of floor and feeding space on the performance of *broiler* **chicks.** 033632
The place of spiramycin in mycoplasmosis **control** in *poultry.* 035198
Some **convenience** *poultry* products. 033137
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by thiobarbituric acid analysis **[Cooked** *poultry* and livestock meat]. 033131
Hygienic problems of **cooling** *poultry* carcasses during slaughter-house processing. 032140
Labor-saving management in the control of *poultry* **diseases.** 034880
What you can do about those new and re-emerging **diseases** *[Poultry].* 035187
Occurrence and laboratory diagnosis of **ecephalomyelitis** of *poultry.* 035266
The energy situation and outlook for the *poultry* and **egg** industries. 031901
[Poultry] selection for **egg** production under ahemeral light-dark cycles [Genetics]. 034573
Survey of the methods for long term storage of *poultry* **eggs.** 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) eggs from retail stores. 033134
The heritability of liability to laying anormal **eggs** *[Poultry].* 034708
Estimating the average cost of egg production in **Egyptian** *poultry* farms. 031419
Methods of feeding **experiments** with *poultry.* 034300
Some basic consideration concerning the problems related to feeding **experiments** with *poultry.* 034301
Aspects of *poultry* **extension** activities in New Zealand. 033631
Poultry **extension**—its need and scope [Education]. 033633
Protection of the air basin of large livestock farms and *poultry* **factories** [Control of infectious diseases and of air pollution]. 035252
Curative and prophylactic measures taken in a *poultry* **factory** [Infectious diseases, Kuibyshev Region]. 035233
Forcing the shedding of **feathers** in *poultry.* 033625
Feeding studies with *broilers* **fed** wheat rich in crude protein. 1. Experimental procedure, weight gains, food consumption and food efficiency. 034309
Feeding studies with *broiler* **fed** wheat rich in crude protein. 2. Carcass yields and carcass composition. 034310
Performance and liver copper levels of beef heifers **fed** *broiler* litter. 034477
Wanted, a national plan on *poultry* **feeding** [Policies]. 031902
Fats in *poultry* **feeding.** 034298
New **foods** for *poultry.* 034386
Studies on the estimation of the hygienic condition of **frozen** *broiler* chickens [Escherichia coli, Enterobacteriaceae]. 032088
The effect of various plant protein supplements on the **growth** of *broilers.* 034388
Experience from the active control of *poultry* **health** in field conditions. 034940
Studies on male sheep investigating the feeding value of excreta from young **hens** and *broilers.* 034314
Differences in the chemical composition of meat and its biological value in the hybrids Hybro B, Ross and **Hubbard** *[Poultry].* 033136
Scientific modernization of marketing can cure the **ills** *[Poultry].* 031709
Aerosols in animal **immunization** *[Poultry].* 035259
Ammonia **increases** *broiler* costs [Housing]. 031497
Salmonellosis in *poultry* in **India** during 1958-1973. 035079
The *poultry* **industry** in Nord-Trondelag. 031815
Rubber seed meal as a potential feed **ingredient** for *poultry.* 034387
Physiopathological effect of Neguvon **intoxication** of *poultry.* 035405
Production, distribution and consumption of *broilers* in **Japan.** 1. 031548
Contemporary aspects of **large-scale** *poultry* farming in Czechosovakia. 031385
Fermentation, utilization and palatability of *broiler* **litter** ensiled at different moisture levels. 033572
Fermentation, utilization and palatability of *broiler* **litter** ensiled with high moisture corn grain [Sheep, cattle]. 034471
Incidence of inclusion hepatitis of *broilers* in four **localities** of the Western Bohemia Region [Chickens]. 035263
Poultry **manure** as feed for mink. 034505
Digestibility of rations made of maize plants and *poultry* **manure** [Sheep]. 034526
Poultry **manure**—its use in agriculture. 2. 040891
Use of *poultry* **manures** in steer finishing rations. 034417
Better *[poultry]* **marketing** facilities needed. 031707
Biological structure of *poultry* **meat** frozen in liquid nitrogen and in air. 033122
The effect of salting on the microbiology of *poultry* **meat.** 033132
A method for estimation of **meatiness** in *broilers.* 033129
Dietary effect on the performance of the Silver Montazah and the Golden **Montazah** *pullets.* 1. Rate of lay [Egg production]. 034260
Dietary effect on the performance of the Silver Montazah and the Golden **Montazah** *pullets.* 2. Egg size. 034261
Dietary effect on the performance of the Silver and the Golden **Montazah** *pullets.* 3. Feed utilization and livability. 034262
Dietary effect on the performance of the Silver Montazah and the Golden **Montzah** *pullets.* 4. Egg fertility and hatchability. 034263
Data on **mycotoxicoses** of *poultry.* 035454
Where do we go from here in *poultry* **nutrition.** 034389
Investigations of salmonellosis in *poultry* **offered** for sale. 032003
Clear ideas on contractual relations between *poultry* **operators.** 031253
The microflora of the hen house and its influence on the health and **performance** of *poultry.* 034901
Some *broiler* **price** declines noted in world food survey. 031611
Microbiological aspects of *poultry* **processing** [Food contamination]. 032057
Processing *poultry* industry wastes as feed: the European experience. 033540
Labor efficiency in *poultry* **processng** plants. 033123
Weight, feed uptake, and slaughter age in *broiler* **production.** 033621
Methods of *poultry* **production** in a developing area. 033624
Possibilities of substituting feeds of animal origin by plant protein feeds in *broiler* **production.** 034395
On the term "Huhnerklein" *[Poultry* **products].** 033126
Plasma cells in the avian harderian gland and the morphology of the gland in the rook *[Poultry,* **quail].** 033854
Cassava as a total substitute for cereals in livestock and *poultry* **rations.** 033517
Tuber meals as carbohydrate sources in *broiler* **rations** [chickens]. 034378
Contribution to the vitamin **requirement** of *poultry.* 034297
Interference between the pathogen of Newcastle disease in *poultry* and the **Rous** sarcoma virus in vitro. 035205
Intermittent light **speeds** *broiler* growth and improves efficiency [Chickens]. 033916
World trade in eggs and *poultry,* 1973 and 1974 **[Statistics].** 031597
Reorient farming and marketing **techniques** *[Poultry].* 031708
Evaluation of purebreds and crossbreds for *broiler* **traits.** 034647
Nitrogen and carbohydrate exchange in *poultry* **treated** with ultraviolet radiation. 034237
Growth of *broilers* and the **utilization** of the energy of feed as effected by the addition of DL-triptophane. 034492
Chronic respiratory disease of *poultry:* **vaccination** against avian mycoplasmosis with the Mycovax vaccine. 035197
THe characteristics of a new Australian infectious bronchitis **virus** *[Poultry].* 035081
Vitamins for *poultry.* 034462
Poultry **waste** products as feed for mink. 033582
Poultry **waste** in a commercial feeding operation [Beef cattle, dairy cattle]. 034379

POVERTY
Impact of a nutrition education program on Appalachian **families** in *poverty.* 032287

POWDERS
Quantitative and qualitative analysis of the microflora of skim **milk** *powder.* 032988
Experimental atherosclerosis in rabbits fed cholesterol-free diets. 6. Skim **milk** *powder.* 035368
Preliminary observations on the survival of Salmonella in curry, sambar, coriander and **red-chilly** *powders* [Food poisoning]. 032087
Dry filtering systems for bacteriologically **sound** *powder* recovery [Air pollution from manufacture of dried milk]. 041623

POWDERY
Phytoalexin activity in **barley** *powdery* mildew [Erysiphe graminis]. 038572
Materials for **controlling** *powdery* mildew on squash. 038631
Temperature effects on cleistothecium formation of **cucurbits** *powdery* mildew [Sphaerotheca fuliginea]. 038664
Studies on the interaction between bottle-gourd mosaic virus and *powdery-mildew* **fungus,** Sphaerotheca fuliginea. 038913
On the problem of the extent and threshold of damage by *powdery* **mildes** (Erysiphe graminis f. sp. hordei) on spring barley. 038843
THe ultrastructure of M1-a-mediated resistance to *powdery* **mildew** [Erysiphe graminis hordei]. 038588
On the pathogenesis of Leveillula taurica Arn. *[Powdery* **mildew,** Solanaceae, leeks]. 038608
Fungicidal control of *powdery* **mildew** [Erysiphe polygoni] ofBrassica juncea. 038651
A study on **wheat** *powdery* mildew in Bulgaria. II. Physiological races of wheat powdery mildew (Erysiphe graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607

POWER
Decline of **animal** *power* and rearing of solipeds, mechanization of agriculture: For large scale production of meat horses, creation of meat type breeds. 034610
Decline of **animal** *power* and rearing of solipeds, mechanization of agriculture: Study of the ass (and its hybrids) for slaughter. 034611
Further rationalization of *power* **comsumption,** a decisive task for the fulfilment of the national economic plan also in the field of agriculture [East Germany]. 040320
Effects of *power-plant* **cooling** system on marine phytoplankton [Algae]. 037094
Effect of the drop of ground water level on soil and vegetation properties in the area adjacent to the **electric** *power* plant "Lower Oder". 041684
Testing of Polish made carburetors for **PS-90** *power* saws. 035831
On the effect of the speed of lengthwise-displaced sawlogs on parameters of *power* **sorting.** 035814
Optimation of **stand-by** *power* packs [Electric energy, animalproduction]. 040323
Factors determining the potassium **supplying** *power* of soils in Ghana. 040642
Sulphur **supplying** *power* of Japanese grassland soils. An outline of sulphur survey of grassland soils and pasture plants. 040680
Toxigenic *power* of Aspergillus flavus producing aflatoxin [Food contamination]. 031941
Level of **tractor** *power* utilization on different operations [Farm mechanization]. 040401
Trends in the use of **tractor** *power* for sugarcane production in Puerto Rico [Equipment]. 040488

POX
Immunity trial of **fowl** *pox* 'BM' strain vaccine against virulent fowl pox virus (Punjab isolate-1) [Chickens]. 035186
Some biochemical alterations in **sheep** *pox* infected lamb testicular cells. 035076

PRAIRIE
Net productivity and ecological efficiency of Andropogon scoparius growning in an Ohio **relict** *prairie.* 036241
The *Prairie* **[rural]** community system. 031028
Vegetation management and microbial function in a **tallgrass** *prairie.* 038043

PRATYLENCHUS
New pesticides as a means to improve the productiviness of ornamental conifers *[Pratylenchus* **penetrans,** Chamaecyparis lawsoniana columnaris, namatodes]. 039034

PRECIPITATION
Changes in the physical properties of soil clays due to *precipitated* **aluminum** and iron hydroxides. I. Swelling and aggregate stability after drying. 040758
Co-precipitates **[caseins** and whey proteins derived from milk]—a review. 033010
Hemicelluloses *precipitated* from steeping liquor in the viscose process used as additives in papermaking. 035726
Nitrogen and sulfur content and pH of *precipitation* in **Iowa** [Hydrogen-ion concentration , air pollution, water quality]. 041607
Increasing the efficiency of **natural** *precipitation* under field conditions. 041220

PREDATION
Some laboratory observations on the biology and *predaceous* **activities** of the mite Pyemotes ventricosus Newport (Acarina: Pyemotidae) [Storage pests]. 039411
Arthropods in cereal crops: nocturnal activity, vertical distribution and **aphid** *predation.* 039290
Starling (Sturnus vulgaris L.) *predation* on **grass** grub (Costelytra zealandica (White), Melolonthinae) populations in Canterbury [Biological control]. 039295
Studies on the biology of the *predaceous* **mite** Cunaxa capreolus Berl. (Acari, Prostigmata, Cunaxidae). 039208
The effect of insect growth regulators (IGR) on spider mites and *predaceous* **mites** [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Organophosphorus resistance in a peach orchard population of *predacious* **mites** [Acarina, Phytoseiidae]. 039339

PREDATOR
Firm action demanded on [livestock] *predator* **control.** 033616
Development cycle and life tables of Parlatoria blanchardi Targ. (Homoptera: Diaspididae) and its **exotic** *predator* in Mauritania, Chilocorus bipustulatus L. var. iranensis (Coleoptera: Coccinellidae) [Biological control of pests of date palms]. 039333
[Insect] prey characteristics and *predator* **niche** width [Insectivorous birds]. 039769
Parasites, *predators,* and **population** dynamics [of insect pests of plants]. 039221
Sheep losses to *predators* in 15 **states.** 033654
An analysis of feeding in Cheyletus eruditus a *predator* of **storage** mites [Acarus, biological control]. 039415
Dung as an insect food source: dung beetles as competitors of other coprophagous fauna and as **targets** for *predators.* 039819

PREGNANCY
Ways to achieve superposition of lactation and *pregnancy* by **administration** of gonadotropic hormones [Swine]. 034756
Pregnancy-specific **antigens** in the sheep: application to the diagnosis of pregnancy. 034688
Nutritional supplementation and the outcome of *pregnancy* in **Colombian** women. 032304
The LH response of *pregnant* **cows** and their calves to synthetic LH-RH [luteinizing hormone, releasing hormone]. 034698
Pregnancy-specific antigens in the sheep: application to the **diagnosis** of *pregnancy.* 034688
Application of the subhuman primate pregnancy test kit to *pregnancy* **diagnosis** in baboons [Laboratory animals]. 034711
Pseudocyesis in the bitch *[Pseudopregnancy,* **dogs].** 034825
Carbohydrate metabolism in sheep endometrium during **early** *pregnancy.* 033875
Effects of **early** *pregnancy* in growth, body composition and efficiency in mice. 034660

The effect of labour on uterine blood flow in the *pregnant* **ewe.** 034790
First stocking of an industrial dairy with *pregnant* **heifers** or young proven cows. 034833
Effect of improved nutrition during *pregnancy* and **lactation** on developmental retardation and infant mortality. 032273
The effects of *pregnancy* and **lactation** on the activities in rat liver of some enzymes associated with glucose metabolism. 033816
The effect of a reduction in food intake during **late** *pregnancy* on nitrogen metabolism in ewes. 034402
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in **late** *pregnancy* on uterine catecholamine levels related to abnormal parturition in rats. 034667
Ovulation rate in ewes treated with *pregnant* **mares'** serum gonadotrophin and luteinizing hormone releasing factor. 034657
Peripheral plasma levels of oestradiol-17beta and progesterone in the bitch during the oestrous cycle, in **normal** *pregnancy* and after dexamethasone treatment. 034687
The action of thyroxine on the structure of the heart muscle cell mitochondria in *prenatal* **ontogenesis** [Chick embryos]. 034217
Studies on *prenatal* and **postnatal** material influence on the progeny in mice. I. Investigations with inbred strains. 034619
Application of the subhuman **primate** *pregnancy* test kit to pregnancy diagnosis in baboons [Laboratory animals]. 034711
Effect of zinc supplementation on **rats** during *pregnancy.* 032409
Phagocytic activity of bovine leukocytes during *pregnancy* [**Staphylococcus** aureus]. 035034
A complete serum iron profile in *pregnancy:* **study** of the maternal and cord blood. 032256
Preliminary results on plasma progesterone levels during *pregnancy* and **superfetation** in the hare, Lepus europaeus. 034689
Possibilities of increasing sow reproductive performance by having lactation coincide with *pregnancy* [**Swine**]. 034835
Requirement of **vitamin** B6 during *pregnancy.* 032430
Erythrocyte glutathione reductase activity as an index of riboflavin nutritional status in *pregnant* **women.** 032278
Clearance of endogenous creatinine and urea in *pregnant* **women** with late toxemia kept on a diet containing different amounts of protein. 032481

PREGNANE

Metabolism of *5beta-pregnane-3,20-dione* and **3beta-hydroxy-5beta-pregnan-20-one** by Digitalis [purpurea] suspension cultures. 037170
Gestation length in rabbits. Effect of aminoglutethimide phosphate, dexamethasone, *pregnenolone* and **progesterone.** 034663

PREHEATING *see* HEAT

PREMATURITY

Vitamin E therapy in *premature* **babies.** 032435
The effects of indomethacin on the pulmonary vascular response to hypoxia in the *premature* and **mature** goat. 034155
Late effect of *premature* **weaning** on blood cholesterol levelsin adult rats [Diet]. 032414

PRENATAL *see* PREGNANCY

PREPUPA

Influence of boron on the development of puffs in the polytene chromosomes of the saliva glands of Drosophila melanogaster at the stage of the **early** *prepupa.* 039917
Influence of sodium arsenate on the polytene chromosomes of the salivary glands of Drosophila melanogaster at the stageof the **early** *prepupa.* 039918
The control of prepupal puffing patterns in vitro; implications for *prepupal* **ecdysone** titres in Drosophilia melanogaster. 040218

PRESERVATION

Preservation of **chloroplast** membranes, in vitro [Spinach]. 037739
Environment *preservation* and protection of natural marshlands through the development of pisci-culture. 041668
Preservation of **food** liquids under inert gases. 032907
The influence of the method of *preservation* of **forages** on the digestion in dairy cows. 2. Digestion of organic matter, energy and amino acids in forestomachs and intestines. 034119
Preparations and *preserved* **fruit** and vegetable products for imports into the area of the Organization for Economic Cooperation and Development. 031657
Taxonomy and *preservation* of **fungus** and yeast culture. 036149
Gracco *"preserved"* forest in Carnia. 035554
Heat *preservation* and emission from the body surface in the mink Mustela vison. 034248
Evaluation of methods for *preserving* the **levels** of soluble inorganic phosphorus and nitrogen in unfiltered water samples. 041352
Studies on the **liquid** *preservation* of rooster and turkey sperm. 034838
Preservation of **milk** with hydrogen peroxide. II. Physicochemical changes in milk with respect to rennet action. 032967
Conditions for using automatic methods of counting milk cells: calibration and *preservation* of **milk** samples. 032985
Preserving the **planting** qualities of pine seeds relative to duration of tapping [Silviculture]. 035670
[Landscape] *preservation* **policy** and personal perception: a 200-million-acre misunderstanding [Land-use]. 031195
Irradiation of cereal grains and cereal grain **products** [for *preservation].* 033216
Flavors that **sell** *preserve* the sweet taste of success. 032630
Studies on artificial insemination of rabbits with special reference to thinning and *preservation* of **semen.** 034579
Effect of uncontrolled conditions on the *preservation* of **sets** of some onion varieties [Growth, bolting]. 037721
White and black mustard for **spicing** and *preservation.* 032800
Prospects for the development of **timber** *preservation* in the Ivory Coast. 035702
Quantitative determination of the creosote content in *preserved* **wood.** 035770
Recent professional literature for the **wood** *preservation* expert. 035847

PRESERVATIVES

Proposals concerning food **additives** *[Preservatives].* 032106
The effect of lactic acid [as a *preservative]* on the **bacterial** flora and the color of fresh meat. 033072
Influence of a *preservative* on **bermudagrass** hay stored with approximately 16 and 24 percent moisture content. 033552
Economic considerations in storage and *preservative* **treatment** of southern pine chips. 035880
The testing of **wood** *preservatives.* 035731
Comparative analysis of the standard testing method for determining the fungal-decay resistance of **wood** *preservatives* to Basidiomycetes in the mamber countries of the Council for Mutual Economic Assistance. I. 035765

PRESSING

Easily creasable DP *[durable-press]* **cotton** fabrics. 033166
Shrinkage control of *durable-press* **cotton** knits. 033184
Press for **granulation** GM-500 [Feed compressing equipment]. 040532

PRESSURE

Influence of altitude and age on pulmonary **arterial** *pressure* in cattle. 034152
Freeze-drying basic products of animal origin under **atmospheric** *pressure.* 033049
CAMP [cyclic adenosine-3',5', monophosphate] as a second messenger in central **blood** *pressure* control [Cats]. 035366
Potato leaf and tuber water potential measurements with a *pressure* **chamber.** 037628
Differential *pressure* systems. 040860
Gas-blood pCO2 [carbon **dioxide** *pressure]* gradients during avian **gas** exchange [Chickens]. 034015
Can foodservice **handle** the *pressure?* 032565
High *pressure* liquid chromatography in food chemistry. 032921
Influence of **high** *pressure* on the content of carotenoids in the mycelium of Blakeslea trispora Thaxter [Fungi]. 037120
Effect of excess **hydraulic** *pressure* on yield and composition of water-soluble substances extracted from larch wood. 035807
High-pressure **liquid** chromatographic analysis for triamcinolone acetonide in rice starch. 033263
Applications of *high-pressure* **liquid** chromatography and field desorption mass spectrometry in studies of natural porphyrins and chlorophyll derivatives. 037032
High-pressure **liquid** chromatography of Cannabis. Identification of separated constituents. 037033
Annotated bibliography on **low** *pressure* (hypobaric) storage, 1968-1973 [Fruits]. 033444
Studies on the production of furfural from agro-industries wastes under **normal** *pressure.* 041596
Effect of **osmotic** *pressure* on spontaneous afferent discharge in the nerves of the perfused rabbit liver. 034126
An effect of **osmotic** *pressure* on the valve morphology of the diatom Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036338
The *high-pressure* **pick-up** baler K453, a new harvesting machine for the baler line. 040481
Storage of fowl semen under **reduced** *pressure.* 034707
Atmospheric and *pressurized* **refining** of wood chips—laboratory scale studies. 035851
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under high **temperature** and *pressure.* 032820
Osmotic regulation in the marine alga, Codium decorticatum. I. Regulation of **turgor** *pressure* by control of ionic composition. 037055
Pressure **wave** transmission through surge tanks. An experimental set-up to study the influence of valve closure time [Reservoir, water hammer]. 041316

PRETREATMENT

How hardwoods respond to H2S [hydrogen sulfide] *pretreatment* **kraft** pulping. 035855
Rheological properties of agar-agar gels: the effect of alkaline concentration in *pretreatment* upon **rheological** properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. 037137
Inhibition of cellular protein synthesis by **simultaneous** *pretreatment* of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133

PREVENTION

Clear **arrangements** *prevent* disputes [Farm leasing]. 031203
Bitterness *prevention* in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. 033411
Professor K. F. Meyer, D.V.M., M.D. [Doctor of Veterinary Medicine, Doctor of Medicine], pioneer in the area of *prevention* of **botulism** [Clostridium botulinum];. 032145
Oily vaccines [Newcastle disease, *prevention,* **chickens**]. 034973
Prevention of **coli** enterotoxemia in weaned swine [Edema disease]. 035212
Consideration on the behaviour of agronomic works for *prevention* and **control** of soil erosion, in the agricultural production cooperative Aschileu Mic, district of Cluj-Napoca. 041191
Food enrichment with iron to *prevent* its **deficiency** (Literature survey). 032486
Lime-induced iron chlorosis in groundnut: treatment and *prevention* [**Deficiency** diseases, peanuts]. 039050
Preventive **effect** of a mixture of sulfamonomethoxine and pyrimethamine on swine against experimental infection with Toxoplasma oocysts. 035121
The *prevention* of **erosion** during furrow irrigation. 041274
Biochemical roles of selenium and vitamin E in *prevention* of **exudative** diathesis in chicks. 035323
Evaluation of an extensive sediment control effort in the Los Angeles River basin [**Flood** *Prevention* Project]. 041373
Microbiological examination of smears as an important part of *prevention* in **food-processing** plants [Food contamination]. 032142
The *prevention* of the **formation** of shallow water and the utilization of diked lands in the zone of the Krasnodar Reservoir [for growing rice]. 041275
Problems on the *preventive* **inoculation** against canine distemper. 035122
Evaluation of operating expenses for the *preventive* **maintenance** of plant production machinery. 031406
Preventive **measures** against dust explosions in the sugar industry. 033313
A new form of swine vesicular diseases [enteroviruses] and **measures** for their *prevention.* 035097
Preventing **mice** infestations [in bakery]. 032015
Prostaglandin induced parturition in swine with some aspects on *prevention* of the **MMA** (metritis, mastitis, agalactia) syndrome. 034766
On the *prevention* of **nutritional** dystrophy in heifers in the Presov District. 035383
Recommendations on *preventing* **ocher** formation in closed drainage [systems]. 041264
Optical isomers of verapamil on canine heart. *Prevention* **ofventricular** fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. 034116
Fat babies: prevalence, **perils** and *prevention.* 032217
Primary, *preventive* and **permissive** roles of hormones in plant systems. 036837
A laboratory evaluation of trash racks for drop inlets [to *prevent* **plugging** of closed-conduit spillways that release waer from floodwater-retarding resevoirs]. 040539
1974 **pollination** *prevention* experiment in fruit culture [Apis mellifera, wind]. 040183
Prevention of **potato** top-roll by aphicide and its effect on leaf area and photosynthesis [Macrosiphum euphorbiae]. 039314
Trickle irrigation blockages can be **removed** and *prevented.* 041440
Basic principles of **specific** *prevention* of foot-and-mouth disease in the USSR. 035017
Oil **spill** *prevention* by early detection of oil on water [Pollution]. 041580
Prevention of **storage** disease in potatoes. 039027
Prevention and **therapy** of diabetes mellitus. 032429
Biological avalanche and **torrent** *prevention* by timely protective forest care. 035516
Skiabaryum-Spofa in the *prevention* and **treatment** of diarrhea [Escherichia coli] of newly born calves. 035227
In vitro study on the mechanism of ammonium chloride on the *prevention* of **urolithiasis** in fattening cattle. 035352
Verminosis *prevention* in sheep in Kazakhstan. 035256
A study on the *prevention* of **vibration** and noise of forest machines [logging equipment]: considerations mainly with relation to improvement of forest operations. 035709
Engineering forecasting and the measures for *preventing* **water** erosion of soils. 041155
Damage to electrical equipment in buildings constructed of **wood** must be *prevented.* 040416

PREWEANING *see* WEANING

PRICES

Agricultural *prices.* Basis, results and problems of comparing some price index numbers. 031519
Inflation: Can we control it? [**Agricultural** *prices].* 031633
Agricultural *price* situation, 1974-1975 [Common Market]. 031735
Agricultural *price* policy [India]. 031829
The economy and **agriculture** *[Prices].* 031644
Inflation—probable causes and possible cures [**Agricultural** *prices].* 031637

Some **broiler** *price* declines noted in world food survey. 031611
Settlement stalls on **butter** *price* increase [Exports, Common Market]. 031690
Productivity and *price* in **cattle** farming. 031547
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf & Allied Fibres; eleventh session, Rome, 19-21 January 1976. **Competitive** *price* levels for jute. 031565
The correlation between *price* and **composition** of sausages. 033071
Structural adjustments in agriculture under different *price* **conditions.** 031578
Tentative determination of *price* for **coniferous** medium-sized wood for the production of lumber and industrial chips. 035873
Competition between pasteurized and homogenized milk as indicated by costs, *prices* and **consumption.** 031699
How to calculate **cost** *price?* [Horticulture]. 031507
There is always the **cost** *price!* [Horticultural crops]. 031509
From the alternatives of 1974 to the prospects of 1974 [Sugar **demand** and *prices].* 031555
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibres; eleventh session, Rome, 19-21 January 1976. **Domestic** *prices* of jute in Bangladesh. 031564
Sugar in first place in Brazil *[Prices,* **exports].** 031557
Fertiliser *prices* will rise but UK [United Kingdom] outlook brighter. 040907
Agricultural and food economic summit conference **[Food** *prices,* paper]. 031627
Agriculture & food economic summit; conference paper **[Food** *prices].* 031628
Combating inflation **[Food** *prices].* 031631
Inflation-causes, consequences and controls **[Food** *prices].* 031635
Some thoughts on inflation **[Food** *prices].* 031642
Food *price* movements and shifts in purchases. 031702
Food *price* movements and shifts. 032703
Regulation of the European Economic Committee with third countries for fruit and vegetable products **[Imports,** *prices].* 031658
World demand prospects for bananas and citrus fruits, the effect of *prices* and **income** on the growth rate of consumption. 031736
Old forests, *price* **increases,** and the tax assessment situation. 035524
Agricultural prices. Basis, results and problems of comparing some *price* **index** numbers. 031519
Prices and *price* **indexes** for Louisiana farm products, 19711975. 031569
Paper on **inflation** *[Prices].* 031640
The general financial overview and implications to the livestock industry *[Prices,* **inflation].** 031715
Plum production in Norway. Factors **influencing** *price* and demand. 031620
Price **level** and the trend in price of timber and products of the wood industry. 035738
Distribution and future of the food sector *[Prices,* **Marketing].** 031529
Characteristics of economical and management aspects of increased turkey production *[Prices,* **marketing].** 031550
Costings go metric **[Milk,** *prices].* 031692
Quality in beef cattle—does it **pay?** *[Price].* 031527
Marketers will "hold the line" on *pricing* **[Pesticides].** 039538
Pricing and *price* **policy** in horticulture. 031523
[Sugarcane] *pricing* **policy.** 031663
Estimate of grain and **pork** *prices* in the USA during the coming year. 031742
Pricing and **price** policy in horticulture. 031523
Prices and **price** indexes for Louisiana farm products, 19711975. 031569
Stimulation of the quality [of grain of cereals, legumes and buckwheat, through state **procurement** *prices].* 031511
Analysis and prediction of potato **producer** *prices* in the Federal Republic of Germany. 031520
Improvement of **producer's** *price-system* in the food industries. 031575
Pulpwood *prices* in the Southeast, 1974. 035892
Basic and **purchase** *prices* for fruit and vegetables for the 1975/76 fiscal year [European Economic Community]. 031651
Relative changes in *prices* **received** by farmers and hourly earnings of employees of food marketing firms. 031625
Continued decline of oil **seed** *prices* on the international market. 031733
Selected *prices* of international significance [Agriculturalcommodities]. 031584
Present situation of cereal production *[Prices,* **statistics,** wheat, maize]. 031536
Marketing is a two-way street [Sugar, corn **syrup,** *prices].* 031556
The improvement of the *price* **system** [in state procurement of grain]. 031512
Price level and the trend in *price* of **timber** and products of the wood industry. 035738
Commodity markets. 2. Localities and futures [London, agricultural products, **trade,** *prices].* 031554
Problems and prospects of sugar industry [Production, **trade,** *prices].* 031662
Response of paddy to nitrogen, phosphate and potash and their respective economic optima under **varying** *prices.* 040927
Pricing **water** in Louisiana. 041237
Notes on the world market for **wheat** *[Prices].* 031535
The **year's** *prices* for field seed. 031734

PRIMATES

Comparative *primate* reproductive endocrinology: advancements important in domestic breeding programs. 034712
The Macaca nemestrina as a *primate* **model** in human nutrition. 032322
Diabetes and lipid metabolism in **nonhuman** *primates.* 032166
Diagnostic radiology: its utilization in **nonhuman** *primate* medicine [Laboratory animals]. 034909
Application of the **subhuman** *primate* pregnancy test kit to pregnancy diagnosis in baboons [Laboratory animals]. 034711

PRIMITIVE

Some aspects of mitosis in *primitive* **green** algae: phylogeny and function. 036276
Survey of the regional Gossypium hirsutum L. *Primitive* **race** collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. 036391

PRISTIPHORA

Three years large area control of the spruce sawfly *[Pristiphora* **abietina]** with ultralow volume malathion spray in Styria. 039377

PROBABILITY

Probabilistic **distribution** of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope) administration and age of animals [Swine, dogs]. 034168
Frequency and *probability* of **fry** spells at Dharwar [Agricultural meteorology]. 031021
Studies on the administration of food sanitation, especially for the theoretical development of *probability* **process** [Inspection]. 031973

PROBING

Nucleic **acid** *probes* and analysis of hormone action in [chick] oviduct. 033778
Equipment *probe* 7: cut labor and material costs with systematized dishwashing. 032663
A **fluorescent** *probe* study of the lipid mobility of membranes containing sodium- and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
Effects of *Probe* on **weed** control in containers [Woody ornamentals]. 039175

PROFITS

More fertilizers mean more *profit* for **farmer.** I. 040890
Processing affects **feedlot** *profit* potential [Costs]. 031451
Inflation and **fictitious** *profits* [Agribusiness]. 031411
Rice: going with the **grain** for *profits.* 032636
Is it *profitable* to **lease** a farm? 031487
Use **potential** *profits* to sell fertilizer. 040932
Profitable **production** planning. 032658
Profitable **production** of potato in feebly alkaline soil by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Profitable **santra** [Mandarin oranges] cultivation. 038296
Solid *profits* from hardwoods. 035608

PROGENY

High frequency of haploidy in the *progeny* of **diploidized** maize haploid. 036518
The effect of dietary zinc, calcium and the previous zinc nutrition of the sow on **growth** of *progeny.* 034480
The influence of maternal traits on the development of the *progeny* in **higher** plants. 036618
Studies on prenatal and postnatal material influence on the *progeny* in **mice.** I. Investigations with inbred strains. 034619
The influence of parental age on the genetic quality of the *progeny* of **mice.** III. The mortality of progeny in succeeding generations. 034621
The influence of parental age on the genetic quality of the *progeny* of **mice.** IV. The level of spontaneous and induced chromosome translocations in the male germ cells. 034622
Genetic parameters estimated on data from the Swedish **pig** *progeny* testing with special emphasis on meat colour. 034827
Aneuploidy in the **seed** *progeny* of tetraploid rye. 036665
On the nature of male sterility occurring in the **seed** *progeny* of scions in sugarbeet. 036685
The influence of parental age on the genetic quality of the progeny of mice. III. The mortality of *progeny* in **succeeding** generations. 034621
Performance and *progeny* **testing** of beef cattle with special reference to Africander Cattle. 034547
Improving growth rate in Hampshire sheep *[Progeny* **testing].** 034795

PROGESTERONE

Peripheral plasma levels of oestradiol-17beta and *progesterone* in the **bitch** during the oestrous cycle, in normal pregnancy and after dexamethasone treatment. 034687
Factors affecting *progesterone* **concentration** in cow's milk and dairy products. 034001
11beta-hydroxylation of *progesterone* with **Curvularia** lunata[Fungi]. 036997
Bovine plasma oestrogens, *progesterone* and **glucocorticoids** during dexamethasone induced parturition. 034541
Retention rate in cows and heifers of intravaginal silastic coils **impregnated** with *progesterone.* 034692
Release of FSH [follicle-stimulating hormone] from the pituitary of the hen following an **injection** of *progesterone.* 034095
Preliminary results on **plasma** *progesterone* levels during pregnancy and superfetation in the hare, Lepus europaeus. 034689
Gestation length in rabbits. Effect of aminoglutethimide phosphate, dexamethasone, **pregnenolone** and *progesterone.* 034663
Effects of specific neutralization of luteinizing hormone and prolactin on ovarian blood flow and *progesterone* **secretion** [in ewes]. 034640
Effects of *progesterone* and **synthetic** luteinizing hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). 034669

PROGRAMMING

Programming of **agricultural** research in the Ivory Coast. 031068
Programming **developments** in the cultural combination of bulb flowers/flower bulbs in the Southern Bulb Region. 031261
Application of **linear** *programming* in the determination of an optimum organization of the cattle branch under varying conditions. 031245
Determination of an assemblage by **linear** *programming* [Wine manufacture]. 033443
Least cost combination of fertilizers—an application of **linear** *programming* technique. 041016
Optimum plant size and location: a case for **separable** *programming* [Cost anaysis, spatial markets in agricultural economics]. 031415
The Lockset method of **sequential** *programming* applied to milk collection. 031723
Programming the **yield** of farm crops. 031391

PROGRAMS

The reorientation of agricultural mechanization for the developing countries. 1. Policies and attitudes for **action** *programs.* 040405
Farmer committee administration of **agricultural** *programs.* 031260
A faster completion of the high lysine **barley** *program* by growing a winter generation in South America [Breeding]. 036699
Evaluation of a ghetto school **breakfast** *program.* 032352
Nutritional bioassay of wheat grain for a wheat **breeding** *program.* 032303
Comparative primate reproductive endocrinology: advancements important in domestic **breeding** *programs.* 034712
The food service industry training- **certification** *program* [Regulation]. 032127
Breeding *[program]* **characteristics** of the Gritsevolia Pine Forest Reserve. 035669
Water quality data **collection** *programs:* Environment Canada. 041337
Further studies on the balance between Adh1 and Adh2 in maize: **gene competitive** *programs.* 036506
"Dietan"—a **computer-assisted** *program* on anatomy and nutrition. 032347
Title X funds in Archuleta County [Colorado, soil **conservation** *programs].* 041205
Mannosidosis of Angus cattle: a prototype **control** *program* for some genetic diseases. 035293
Establishing an integrated pest **control** *program* for street trees. 039388
Systems analysis as a guide technology transfer [for evaluating agricultural **development** *programs].* 031768
George Harrar sets off the Green Revolution [Rural **development** *programs,* Mexico]. 031930
FAO/UNDP [United Nations **Development** *Program]* pilot project paves the way for use of marginal water sources. 041344
Problem: how to erase a $500,000 deficit; solution: a free flow **dining** *program.* 032567
Potentialities of gene exchange in selection *programs* for **earliness,** in some crosses between Egyptian and Upland cottons. 036381
Impact of a nutrition **education** *program* on Appalachian families in poverty. 032287
Modular communications system (MCS): an outpatient bilingual nutrition **education** *program* for a neighborhood health clinic. 032297
The mountain and the conservation of nature in the *programs* of the **European** Economic Community. 041480
Population increase of Phytoseiulus persimilis on differentinsectary **feeding** *programs* [Tetranychus pacificus, beans, pests]. 039343
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, winter grazing and feedlot **finishing** *programs* [Beef cattle]. 034443
Genetic *Program* of the Sugar and Alcohol Institute, National Program for Sugarcane Improvement, Brazil. 036400
Start your **health** *program* by feeding right [Cattle]. 034354
Reproductive herd **health** *program* for dairy cattle. 034839
Experience from gradual realization of the **hybridization** *program* [Swine]. 034857
The verified **identification** *program* [Genetic improvement ofdairy cattle]. 034785
The registry associations outlook for new [dairy herd **improvement]** *programs.* 034784
Considerations on the *program* of **integrated** rural development and the national food and nutrition plan [Colombia]. 031913
How two **lunch** *programs* save money. 032572
What's for lunch? A look at school **lunches** *[Programs].* 032169
Programs for the **management** of egg laying chickens by computer [Production planning]. 031258

Comparative **management** *programs* for lamb production [Feeding]. 034438
Emergency conservation **measures** *[Programs].* 031790
A preliminary analysis of [effluent] treatment plant **monitoring** *programs.* 041561
National *Program* for Sugarcane Improvement: for what, why and how? [Brazil]. 031795
Genetic Program of the Sugar and Alcohol Institute, **National** *Program* for Sugarcane Improvement, Brazil. 036400
System of planning, selection, evaluation and control of research projects of the **National** *Program* for Sugarcane Improvement. 037985
Phytopathology program of the **National** *Program* for Sugarcane Improvement, the Sugar and Alcohol Institute, Brazil. 038962
An applied **nutrition** *program* among Philippine pre-school children. 032261
Are community **nutrition** *programs* meeting the needs of the elderly? 032371
Are community **nutrition** *programs* meeting the needs of the elderly? 032684
Penicillin-testing *program* focuses on contaminated milk. 031944
Phytopathology *program* of the National Program for Sugarcane Improvement, the Sugar and Alcohol Institute, Brazil. 038962
Potential application of *program* **planning** in the horticultural trade. 031552
The season for planting in Mediterranean **reforestation** *[Program].* 035655
States vary in information support for [agricultural] extension and **research** *programs.* 030992
Milk and cheeses: a basic sector of Italian agriculture **[Research** *programs].* 032938
Processing facilities and *program* for **research** on cotton knits. 033183
The Iceberg Lettuce **Research** *Program.* 038378
Experimental results of a two-year comparative irrigation **research** *program* between the drip-method and the side infiltration method [Tomato yields]. 041342
Use of instructional television: a **shared** *program.* 032596
Preparing a **slide-tape** *program:* a step-by-step approach, part 2. 032587
A *program* for **studying** the optimum plot size in field experiments on the computer [Field crops, statistical analysis]. 037952
National [livestock] tick [Ixodides] **surveillance** *program,* calendar year 1974. 039446
A summary of the Louisiana boar **testing** *program* for 1975. 034719
Proposed on-the-farm **testing** *program* for swine [Breeding]. 034734
A *program* of **weight** reduction in children. 032689

PROINSULIN ***see*** **INSULIN**

PROJECTION
Advanced mechanization operations for grocery warehouses; an **evaluation** and *projection.* 032722
The world food crisis: *projections,* **models,** and paradigms. 031788
Analysis and control of the *projection* of **ocellar** information in the brain of cockroaches [Periplaneta americana, Blabera fusca]. 039650
Experimental study of **visual** *projections* specificity in microphthalm and monophthalm embryos and chickens of Gallus domesticus L. 033758
Projection of **world** demand and supply for wood fiber to the year 2000. 035884

PROLACTIN
Purification and properties of an **avian** *prolactin* [Chickens]. 033907
Effects of specific neutralization of luteinizing hormone and *prolactin* on **ovarian** blood flow and progesterone secretion [in ewes]. 034640
The effects of *prolactin* and **oxytocin** on milk secretion and on the permeability of the mammary epithelium in the rabbit. 034079

PROLAMIN
Gliadins of **Aegilops** species of the Sitopsis (Jaub. Et Spach) Zhuk. section and the structure of the S(B) genome. 037263
Activation of trypsinogen in the normal and coeliac intestine [damaged by the *gliadin* **fraction** of wheat and other cereals]. 032462

PROLIFERATION
Cell *proliferation* in the developing wing-bud of normal and talpid3 mutant chick embryos. 034051
Immunological studies in protein malnutrition: IV. Lymphoid **cell** *proliferation* in malnourished mice after SRBC [sheep red blood cells] administration. 035078
Multinucleate plant cells. I. Aneuploidy in a *proliferating* **population.** 036309

PROLINE
Proline **accumulation** in flooded and wilted sunflower and the effects of benzyladenine and abscisic acid. 037384
Use of Ough's method to **determine** *proline* in light and highly colored fruit juices and their concentrates [Adulteration]. 032132
Inactivation by detergents to the *proline* **transport** system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. 033799

PROMETHAZINE
A clinical study of *promethazine* **hydrochloride** as an orexigen in bovines [Anorexia]. 035325

PROMETRYNE
Growth and development of potatoes in relation to application of mineral **fertilizers** and *prometryne.* 037881

PROPAGATION
Asexual *propagation* of hybrid [ornamental] elms [Ulmus pumila, Ulmus japonica]. 037831
The influence of increasing amounts of nitrogen on the *propagation* of the **cereal** cyst nematode, Heterodera avenae Woll. [Oats, barley, wheat, rye]. 039068
Propagation and **characterization** of Ranikhet (Newcastle) disease virus in chicken embryo fibroblast and kidney cell culture. 035084
Clonal *propagation* of Coffea arabica L. From callus culture. 036959
Effects of *propagation* **container** size on top and root development of tree seedlings [Cultivation of horticultural plants]. 038454
Build your own mist *[propagation]* **control** [Designs]. 040386
Mechanized testing of grafted grape seedlings in **cross-section** *[Propagation].* 038472
Propagating **deciduous** and evergreen shrubs, trees, and vines with stem cuttings. 035681
Studies on *propagation* of **Ficus** by hardwood cuttings. 038266
The necessity of using **healthy** *propagation* material of Salix alba in connection with the spread of Watermark disease [Erwinia salicis] in the Netherlands. 038857
Mist *propagation* of cassava tip cuttings for nutritional studies: effects of substrate calcium concentration, temperature and shading. 038509
Several tests of mycorrhizal inoculations [Forest **nurseries,** *propagation].* 035645
Panax **[Polyscias]** *propagation.* 038353
Honey plants in the sequence of their blooming periods, with a short statement of the methods of their *propagation.* 1. 038541
Carnation [Dianthus caryophyllus] *propagation* from **shoot** tips cultured in liquid medium. 037728
Constructing a **timber** *propagator* [Cacti and succulents, seed trays]. 040470
Annotated bibliography on **vegetative** *propagation* of bananas, 1960-1974. 038447
Experimental inquiry into the action of some physical and chemical factors on the survival and *propagation* of **vibrio** parahaemolyticus in food products. 032149
In **vitro** *propagation* of Cordyline terminalis (L.) Kunth [by tissue culture]. 037735
In **vitro** *propagation* of red cabbage (Brassica oleracea L. Var. capitata). 037779
Control of nutrient supply in **yeast** *propagation* [Food technology]. 032729

PROPANE
Redox state of the hepatic cells in rats receiving a diet **containing** *1,2-propanediol.* 032497

PROPHYLACTIC
Curative and *prophylactic* **measures** taken in a poultry factory [Infectious diseases, Kuibyshev Region]. 035233
Prophylaxis of **Nosema** disease of honeybees. 040311
Regimen of **specific** *prophylaxis* and diagnostic examinations in swine husbandry [Vaccination]. 035271
Some physico-chemical properties of dysentery **therapeutic**—*prophylactic* Newcastle phages H-17 and H-18. 035283

PROPIONIBACTERIUM
The significance of *Propionibacterium* **species** and Micrococcus lactilyticus to the ensiling process [Silage]. 033553

PROPIONIC
Propionic **acid-treated** barley in the diets of bacon pigs. 034274
Blood ketone body content of ewes **administered** *propionic* acid with concentrated forage for a long time. I. 034532

PROPULSION
Harvesting of maize with self *propelled* **combine** C-12 equiped with devices for spadixes and grains. 040519
Mounting, dismounting and storing the equipment for gathering maize spadixes with the *self-propelled* **combine** C-12. 040521
Modification of a *self-propelled* **plot** combine for harvesting hill plots of soybeans. 040462

PROPYL
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, *n-propyl* **acetate,** and butanol-(2) [Wine]. 033431
Metabolism of O-ethyl O-[4-(methylthio)phenyl] *S-propyl* **phosphorodithioate** (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats [Mammalian toxicity tests]. 039564

PROSIMULIUM
A new subspecies, *Prosimulium* **macropyga** korshunovi patrusheva subsp. n., (Diptera, Simuliidae) from the polar Urals. 040135

PROSO
Registration of **Abarr** *proso* millet [Panicum miliaceum]. 036442
Stubble crops of *proso* under **irrigation.** 038181
The activity and localization of alanine- and aspartate amino-transferases in plants with C4[carbon]-photosynthesis [Maize, *proso,* **rye].** 037395

PROSOPIS
Comparison of batch and semicontinuous cultures for production of protein from mesquite *[Prosopis]* **wood** by Brevibacterium sp. JM98A [Feed]. 033506

PROSPALTELLA
The situation in the San Jose scale (Quadraspidiotus perniciosus Comst.) areas of Baden-Wurttemberg twenty years after **releasing** *Prospaltella* perniciosi Tow. [Fruit pests,. 039373

PROSPECTS ***see*** **FORECAST**

PROSTAGLANDINS
Practical application of *prostaglandins* in **animal** husbandry. 034643
Prostaglandin-sepharose: **application** to the purificaton of bovine lung 15(S)-hydroxyprostaglandin dehydrogenase. 034170
The oestrous cycle of the ewe after active immunization against *prostaglandin* **F-2alpha.** 034700
The development of antisera to *prostaglandins* B2 and **F2alpha** and their analysis using solid-phase and double antibody radioimmunoassay methods [Rabbits]. 035007
Induction of estrus in mares after foal **heat** with *prostaglandin-F2alpha.* 034727
Prostaglandin **induced** parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, agalactia) syndrome. 034766
Induction of parturition in the **mare** with *prostaglandin-F2alpha.* 034728
Prostaglandins in **pyometrial** fluid from the cow, bitch and ferret. 033836
Prostaglandins and **reproductive** processes in female sheep and goat. 034645
Analyses of *prostaglandins* in **sheep** seminal fluid. 034605
Prostaglandins and **studies** related to reproduction in laboratory animals. 034644
Effect of *prostaglandin* **synthesis** on renal function and renin in the dog. 034110

PROSTHESIS
The effect of the *prosthetic* **group** of horseradish peroxidase on the stability of the enzyme. 036806
The effect of the presence of the **metal** *prosthetic* groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. 034137

PROTAETIA
A new species of the **genus** *Protaetia* [lombokiana] Burm. From Indonesia. (88th contribution to the study of Scarabaeidae). 040154

PROTEASES
Acid *proteases* of barley and barley malt. 033147
Acid *protease* activity during germination of microcysts of the cellular slime mold Polysphondylium pallidum. 037010
Effect of *proteases* on **activation** of resting chick embryo fibroblasts and on cell surface proteins. 033855
Tolerance of **alkaline** *protease* of the fungus Torula thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Gamma-irradiation of lima **bean** *protease* inhibitor in dilute aqueous solutions. 037826
Double-headed *protease* inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Double-headed *protease* inhibitors from black-eyed peas. II. Structural studies by optical absorption and circular dichroism. 037769
Double-headed *protease* inhibitors from black-eyed peas. III. Subunit enteractions of the native and half-site chemically modified proteins. 037770
Double-headed *protease* inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. 037771
Double-headed *protease* inhibitors from black-eyed peas. V. Analysis of the energetics of protease-inhibitor interactions. 037772
Double-headed *protease* inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
Double-headed protease inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the **endogenous** *protease* by affinity chromatography. 037768
Improving *protease* identification in wheat and rye with N alpha benzoyl-L-arginin-4-nitroanilid (L-BAPA) used as medium. 033232
Double-headed protease inhibitors from black-eyed peas. V. Analysis of the energetics of *protease-inhibitor* **interactions.** 037772
Proteases of **Neurospora** crassa: their role in morphology [Fungi]. 036318
Double-headed protease inhibitors from black-eyed peas. I. Purification of two **new** *protease* inhibitors and the endogenous protease by affinity chromatography. 037768
Effects of storage on the activities of *protease,* **urease,** phosphatase, and sulphatase in three soils under pasture. 040702

PROTECTANTS
A new machine and method for bulk treatment of pulses with **grain** *protectants* against pulse beetle Callosobruchus maculatus fab. (Bruchidae-Coleoptera). 039250

PROTECTION

Protection of **agricultural** plantings from damage by game animals. 039051
Protection of the **air** basin of large livestock farms and poultry factories [Control of infectious diseases and of air pollution]. 035252
Protection of **bumblebees** [Bombus] that build natural nests. 039896
Consumerism and **consumer** *protection.* 032034
Special considerations on the biometric evaluation of tests with **crop** *protection* agents. 039083
Protection of **cytochrome** P-450 by substrates against Tween-80-assisted thermal denaturation [Saccharomyces cerevisial]. 037309
The significance of research in plant **[disease]** *protection.* 039030
The *protective* **effect** of vitamin E and selenium against methyl mercury toxicity in the Japanese quail. 034457
Testing the *protective* **effect** of cell-free lyophilized vaccine against Marek's disease in field trials [Chickens]. 035228
The project of the Swedish forest industry for the *protection* of the **environment** [against pollution]. 041500
Data acquisition systems for remote underwater monitoring platforms **[Environment** *protection].* 041569
Plan of coordination of research in the field of agriculture and forestry in connection with **environmental** *protection.* 031122
Environmental *protection:* government priority. 041594
Plan for **environmental** *protection* in Trondheim. 041613
Analytical chemistry in the service of **environmental** *protection.* 041666
Ecology: never having to say you're sorry **[Environmental** *protection].* 041682
Soil **erosion** *protection* of sea dike foundations. 041211
Health, labor and **fire** *protection* as a task of [farm] management. 031327
Organization of **fire** *protection* for forests with use of aircraft. 035473
Flood *protection* control in the upper Lippe River basin. 041449
Speciality wrapping and packaging papers. II. Proven ability to *protect* the **[food]** product. 032776
Urgent problems in the *protection* of the **forest** from pests and diseases [Poland]. 039011
Static test of safety boxes and *protective* **framings** on agricultural tractors. 040410
Measurement techniques for the prospection, exploitation and *protection* of **gas** saturated underground waters as applied in Czechoslovakia. 041311
Waste and **health** *protection.* 032045
The noise of chainsaw. III. Calculating method of the protection provided by the **hearing** *protector* and the noise control criterion. 035706
Protection of **honeybee** colonies from pests. 040306
Protection of **livestock** from tsetse [Glossina morsitans] bites by means of repellents [Cattle]. 039505
Environment preservation and *protection* of **natural** marshlands through the development of pisci-culture. 041668
Relationship between the vegetation and length of development of the islets of the Matsalu **nature** *protection* area. 036169
Nature *protection:* new or old branch of science? 041614
The present validity of the pancreatic lipase method for husk **oil** *protection* [Olive oil cake, composition, adulteration]. 033455
GM [ground maintenance] guide to systemic pesticides [for *protection* of **ornamental** trees]. 039544
Protection of **Picea** polita forest against typhoons and its restoration on the damaged area in Yamanaka Forest Reserve. 035465
Applying **plant** *protection* products in bedded apple plantations. 038978
Experience from the operation of a permanent mixing an filling station for **plant** *protection* in fruit plantations. 038981
Newly allowed **plant** *protection* products and means for controlling biological processes in horticulture. 038982
Plant *protection* and pest control in orchids culture. 038984
Tasks in the field of general **plant** *protection* [Grapes]. 038997
Effective **plant** *protection* in vegetable culture. 039009
The chemical method as a component of integrated **plant** *protection.* 039010
Plant *protection* chemicals and plant regulators [Research projects, Italy]. 039012
Plant *protection* practices and problems of vegetable growers in Bangalore District. 039038
Modern **plant** *protection* as a problem of communication. 039079
Plant *protection* as an international task. 039081
Plant *protection* in the olive plantations of Tunisia. 039082
Urgent tasks of the **Plant** *Protection* Service in Lower Saxony and its requests in teaching and research. 039085
Microbial degradation of **plant** *protection* chemicals [Pesticides, herbicides, fungicides]. 039549
The scientifically founded agrochemical care and control of agriculture in Hungary [Fertilizers, **plant** *protection].* 040991
Calculated availability of maximum water requirements in *protective* **projects.** 041438
The noise of chainsaw. III. Calculating method of the *protection* **provided** by the hearing protector and the noise control criterion. 035706
Vibration of chainsaw in timber cross cutting. IV. *Protection* **provided** by the vibration multi-isolating equipment. 035708
To *protect* **rabbits** against myxomatosis infection. 035002
Protection against the **radioactive** pollution of plants. 039048
Areas worthy of *protection* in the **Rhine** Valley. 041674
Livestock associations for collective **sanitary** *protection.* 034877
The selective effect of *protecting* **substances** [fungicides] on the microflora of grapes. 038746
Protecting the **sugarcane** crop from frost. 039007
Biological avalanche and torrent prevention by **timely** *protective* forest care. 035516
Protection of the **waters** in North Rhine-Westphalia from radioactive pollution. 041676
Limitations in the use of herbicides—the *protection* of **wild** flora and fauna [Netherlands]. 039191
A note on the *protection* of **wooden** beams exposed to an acidic, humid atmosphere [Pseudotsuga menziesii, wood]. 035895
On the *protection* **work** of the forest road in the forest road in the Ehime University Forest. VI. Examination of native Japanese vegetation. 2. 035532

PROTEINASES

Free intracellular amino acids of the mycelium of Aspergillus oryzae [Fungi] and **acid** *proteinase* synthesis. 036771
Systems of disc electrophoresis for studying **acid** *proteinases* [Aspergillus awamori, fungi]. 036902
The low resolution structure analysis of an **acid** *proteinase* from Endothia parasitica [Fungi]. 037059
Separation and characterization of **acid** *proteinases* from the surface culture Aspergillus terricola [Fungi]. 037229
Study of **acid** *proteinases* from Aspergillus terricola [Fungi]. 037230
Further evidence on differentiation of Aspergillus sojae from Aspergillus oryzae by electrophoretic patterns of cellulase, pectin-lyase, and **acid** *proteinase* [Fungi]. 037253
Properties of **acid** *proteinase* of barley. 037537
Milk-clabbering and *proteinase* **activity** of modified alpha-chymotrypsin sorbed on anionites. 032946
Purification and properties of *proteinase* **inhibitors** from the albumin of the eggs of certain species of birds [Chickens, quail]. 033119
Purification and characterization of *proteinase* **inhibitors** from adsuki beans (Phaseolus angularis). 037767
Comparison of **neutral** *proteinase* activities in cock and ram spermatozoa and observations on a proacrosin in cock spermatozoa. 034681
Effect of metabolic inhibitors on the preservability of baker's yeast [Saccharomyces cerevisiae] and on the increase **ofintracellular** *proteinase* activity during its storage. 032864
Isolation of a low molecular weight active fragment of **potato** *proteinase* inhibitor IIb. 037766
Effect of various *proteinase* **preparations** on the collagen of the calf dermis [Depilation of raw hides]. 033042
The amino acid sequence of the double-headed **protein** *proteinase* inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Proteinases in **rat** epididymis & testis. 033971
Isolation and characterization of a *proteinase* from the **sarcocarp** of melon fruit. 037765

PROTEINS

Protein **absorption** and ammonia production: the effects of dietary protein and removal of the colon. 032185
The endocrinology of **adult** *protein-calorie* malnutrition. 032431
A cost comparison of selected **agricultural** *protein* sources. 031465
Influence of different amounts of **alimentary** *protein* on the age-specific feaures of the protein synthesis. 032489
Characterization of *proteins* and **allergens** in germinating castor seeds by immunochemical techniques [to study its potential toxicity as feed]. 033549
Action of growth hormone in vitro on the net uptake and incorporation into *protein* of **amino** acids in muscle from intact rabbits given protein-deficient diets. 032183
Protein and **amino** acid changes in peanut (Arachis hypogaea L.) seeds infected with Aspergillus oryzae. 032341
Protein and **amino** acid compositions of dry-milled and air-classified fractions of triticale grain. 033209
Changes in *protein* **amino** acid composition in the seeds of an induced spring vetch mutant. 036461
Quantitative and qualitative changes in *proteins* and **amino** acids in white lupine plants during growth and development. 037463
Clearance of endogenous creatinine and urea in pregnant women with late toxemia kept on a diet containing different **amounts** of *protein.* 032481
Determination of sulphydryl and disulphide groups in *proteins* by **amperometric** titration. [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. 033114
Effect of feeding feed mixtures containing various amounts of **animal** *protein.* 034251
Comparative biochemistry of **Antarctic** *proteins* [Penguins and fish, potential utilization]. 032195
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of **antigenic** *proteins* in the course of seed ripening, germination and development of seedling. 037439
Enzymic disintegration of pectines in the presence of amino acids and *proteins* **[Aspergillus** niger, Fungi]. 037218
Incorporation of N from intravenously administered 15N [nitrogen isotope] labelled urea into the **bacterial** *protein* in the sheep. 033721
Role of aminoacids and specific efficiency-possessing substances in treating the *protein-deficit* **balance** [Livestock, feeding]. 034516
Effects of nitrogen fertilization on the quantity and quality of *protein* in **barley** grains. 041009
The binding of labelled **basic** *proteins* by boar spermatozoa. 034695
Vitamin B12 **binding** *protein* purified from the acid soluble fraction of chick embryo. 033992
Protein **binding** of plasma cortisol in the foetal lamb near term. 034057
Electrophoresis of **blood** *proteins,* tissue of the mammary gland and milk in acrylamide gel. 034184
Effect of tuberculinization on the **blood** *proteins* of camels and cows [Tuberculosis, treatment]. 035239
Biochemical properties and ultrastructure of *protein* **bodies** isolated from selected cereals. 033200
A sugar-free formula for regular and *high-protein* **breads** [Wheat flour, soy flour]. 033189
The effect of calcium on the tryptic digestion of bovine intestinal **calcium-binding** *protein.* 033814
Response of renal **calcium-binding** *protein* independence of kidney vitamin D hydroxylation [in chickens]. 034343
Protein and **caloric** requirements of fast-growing young babies and their relationship to undernourished children. 032471
Energy metabolism in children with *protein* **calorie** malnutrition (PCM). 032276
Partial replacement of *protein* with **carbamide** in feeding rations and its effect on the concentration of free amino acids in the digestive tract of cattle. 034493
Developmentally regulated proteins of the plasma membrane of Dictyostelium discoideum. The **carbohydrate-binding** *protein[Fungi].* 037056
Toxicity of the **cardiotoxic** *protein,* flammutoxin, isolted from the edible mushroom Flammulina velutipes. 037870
Fat metabolism in higher plants. The function of acyl thioesterases in the metabolism of acyl-coenzymes A and acyl-acyl **carrier** *proteins.* 036782
Fat metabolism in higher plants: production of short- and medium-chain acyl-acyl **carrier** *protein* by spinach stroma preparations treated with cerulenin. 037653
Induction of the **catalytic** *protein* of (Na+ +K+) [sodium and potassium ions]-ATPase in the salt gland of the duck. 033800
Single **cell** *protein*—food or feed. 032333
Single **cell** *protein* potential [Nutrition]. 032397
Unusual sources of proteins for man [Single **cell** *protein,* algae, yeasts, bacteria]. 032781
The potential of single **cell** *protein* for animal feed. 033529
Cell *protein* as animal feed from thermophilic digestion of swine wastes. 033535
Inhibition of **cellular** *protein* synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
Effect of ricin on biosynthesis of myeloma protein (IgA) [immunoglobulin A] and general **cellular** *proteins* in MOPC-315 cells [Castorbeans]. 037361
Cereal *proteins:* chemistry and food applications. 033214
Formation of malonaldehyde in frozen Baltic herring and itsinfluence on the **changes** in *proteins.* 032920
Economic results of the influence of feeding on the production of slaughter **chickens** *[Protein].* 033135
Differentiation of the races of loose smut of wheat according to *proteins* of **chlamidospores** [Ustilago tritici]. 038800
The light-harvesting **chlorophyll** *a/b-protein* complex of Chlamydomonas reinhardii [Algae]. 037205
Characteristics of **chloroplast** *DNA-protein* complex [Peas]. 037743
On the specificity of interaction between DNA and *protein* of the **chloroplasts** of Pisum sativum [Peas]. 037865
Influence of riboflavin on xanthuria developing as a result of *protein* and **choline** deficiency. 032492
Choosing *protein* supplement for steer finishing rations. 034366
Vegetable protein for **combating** *protein* malnutrition in developing countries. 032334
Influence of different hydrothermal-treatment methods on the *protein* **complex** of pearl barley. 033154
Investigation of the *protein* **composition** of anti-A of phytohemagglutinins, obtained from Phaseolus lunatus [Lima beans]. 033342
Protein **composition** in developing groats of an Avena sativaL. cultivar and an Avena sativa X Avena sterilis L. selection [Oats]. 036438

Femur zinc, magnesium, and calcium in rats fed Tower rapeseed (Brassica napus) *protein* **concentrate.** 032410
Lesser known oil seeds: a note on their nutritive value as determined by in vitro digestion [**Concentrated** *protein* feeds]. 033524
Prediction of *protein* **conformation:** consequences and aspirations. 032834
A new method of analysis of *protein* **content** in grain by proton activation. 033198
Connection between *protein* **content** and malt extract yield in brewing barley. 033279
Changes in the activities of enzymes and the *protein* **content** of yeasts [Candida guilliermondii] in relation to the residual hydrocarbon levels in the biomass. 036769
Correlation between methods to determine the *protein* **content** of potato tubers. 037731
Yield and *protein* **content** of wheat varieties (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. 039169
From the *protein* **crisis** to a food crisis. New dimensions ofthe world food problem. 031933
Feeding studies with broilers fed wheat rich in **crude** *protein.* 1. Experimental procedure, weight gains, food consumption and food efficiency. 034309
Feeding studies with broiler fed wheat rich in **crude** *protein.* 2. Carcass yields and carcass composition. 034310
Metabolism of urea in buffalo calves fed on diets of different **crude** *protein* content. 034382
Studies on the mode of gas production in artificial rumen and its application to the evaluation of feedstuffs. VII. On the relation of digestible **crude** *protein* to total digestible nutrients of feedstuffs. 034426
The effect of *protein* **deprivation** and starvation on the rate of protein synthesis in tissues of the rat. 032180
Protein **determination** [of economic plants] using the biuret method. 032913
Protein absorption and ammonia production: the effects of **dietary** *protein* and removal of the colon. 032185
Dietary *protein,* fat, and minerals in nephrocalcinosis in female rats. 032385
Relationship between the quality of **dietary** *proteins* and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats fed proteins of varying quality. 034311
Relationships between the quality of **dietary** *proteins* and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Effects of simultaneous reductions of food intake and **dietary** *protein* concentration on the growth and carcass quality of bacon pigs. 034401
Influence of the **dietary** *protein* deficiency on the protein synthetic activity of microsome and soluble fraction from muscle and liver of rats. 035297
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in muscle from intact rabbits given *protein-deficient* **diets.** 032183
The structure of the *protein* **disk** of tobacco mosaic virus to 5 A [angstrom] resolution. 038930
The protein value of soy with a standard layer PDI *[protein* **dispersibility** index] number. 033275
The amino acid sequence of the **double-headed** *protein* proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying **early** *protein* synthesis of several RNA viruses [Chickens]. 035133
Yams as a source of **edible** *protein.* 032464
Evaluation of methods for *protein* **enrichment** of buns for children in the Hungarian People's Republic. 032484
Influence of an anti atherosclerotic diet containing a *protein* **enrichment** agent on the clinico-biochemical indices in patients with Ischemic heart disease. 032488
Study of *proteins* and some **enzymes** of pancreatic juice in swine by the method of disc elctrophoresis in polyacrylamide gel. 034191
Epidermal *protein* metabolism directed toward keratinization by hydrocortisone in the chick embryonic skin growing in a chemically defined medium. 033876
Amino acid and *protein* **evaluation** of commercially grown opaque-2 and normal corns. Two year summary. 033570
Implications of **excessive** *protein* [Humans]. 032288
Extractable *protein* from the by-product vegetation of some cole and root crops. 033325
The yields of **extracted** *protein* and of residual fiber from potato haulm taken as a by-product [Feed]. 033507
Beneficial effect of zinc supplementation in young rats **fed** *protein* concentrate from rapeseed or mustard. 032404
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of rats **fed** *proteins* of varying quality. 034311
High-temperature production of *protein-enriched* **feed** from cassava by fungi. 033503
Technical problems of manufacturing **feed** *protein.* 033547
Participation of veterinary service in solving the problem of **feed** *proteins.* 034512
Annual forage legumes, a source of **feed** *protein* [Cultivation]. 038037
Rape problems at the IV International Congress in Giessen [as source of oil and *high-protein* **feed**]. 038096
Beans as a source of **feed** *proteins* (review) [Culture]. 038495
Substitution of lysine-supplemented high-protein wheat in *protein* **feeds** fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in *protein* **feeds** fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Protein **flavour** problems. 032807
Baked foods fortified with deglanded cottonseed **flour** *protein.* 032263
Inheritance of **flour** *protein* content in a wheat cross between C 273 X S 308 [Varieties]. 036605
Algae from mass cultures as potential source of *proteins* [for **food** and feed]. 038552
Effect of *protein* **food** on the multiplication of protozoon Nosema apis Z. [Bee diseases]. 040310
Chemistry of oats: *protein* **foods** and other industrial products. 033215
Soy-ogi: *protein* **fortified** Nigerian maise beverage. 032674
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of extraction of *protein* **fractions** from seeds of plants [Wheat, rye, buckwheat]. 037344
Changes of *protein* **fractions** in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the seed protein fractions of the studied lupin species and varieties. 037437
Changes of *protein* **fractions** in the ontogenesis of four lupin species studied by immunological methods. II. Changes of protein fractions during germination and development of etiolated plants and grown in light. 037438
Changes of *protein* **fractions** in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and development of seedling. 037439
Changes in *proteins* and **free** and total amino acids of peanuts (Arachis hypogaea) infected with Aspergillus parasiticus. 038582
Fermentative conversion of sugarcane juice into **fungal** *protein.* II. Effect of different nitrogen sources, levels of ammonium nitrate and incubation period. 033243
Characteristics of native and modified **gluten** *proteins* of wheat. 033229
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and **haemolymph** *proteins* from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402
Haemolymph *proteins* in Porcellio laevis Latreille (Porcellionidae, Isooda): the molecular weight. 039683
Drug metabolism and hepatic **heme** *proteins* in the vitamin Edeficient rat. 032179
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to **hepatic** *protein* and lipids in vitro and in vivo [in mice]. 035391
Distribution of *protein-bound* **hexosamine** in chloroplasts [of spinach, snflower and maize]. 037201
Development of **high** *protein* bread. II. Soya flour utilisation. 033266
Modern technologies applied in Romania in order to obtain soybean grams with a **high** *protein* content. 033291
Can protein hydrolysates simulate a **higher** *protein* content in meat products? 033056
Filamin, a new **high-molecular-weight** *protein* found in smooth muscle and non-muscle cells [Chickens]. 034146
Proteins of **honeybee** (Apis mellifera mellifera L.) hemolymph. I. Larva, pupae and native adults. 040197
Proteins of **honeybee** (Apis mellifera mellifera L.) hemolymph. II. Foraging and winter workers. 040198
The *proteins* of the **honeybee** (Apis mellifica mellifica L.) haemolymph. I. Larvae, nymphs and native adults. 040199
The *proteins* of the **honeybee** (Apis mellifica mellifica L.) haemolymph. II. Foraging and wintering workers. 040200
Can *protein* **hydrolysates** simulate a higher protein content in meat products? 033056
Use of elemental diet and nitrogen balance studies in severe **infantile** *protein-calorie* malnutrition. 032327
Steroid-protein **interactions** in bovine plasma [Testosterone-binding specificity]. 034694
Stability and specificity of *protein-protein* **interactions:** the case of the trypsin-trypsin inhibitor complexes [Soybeans]. 037481
Characteristics of the major **internal** *protein* and RNA-dependent DNA polymerase of bovine leukaemia virus [Cattle, sheep]. 035108
Interventions of the physiological stage [parturition, lactation] and iodine in the feed on the amount of *protein-bound* **iron** and thyrosine in the blood [of dairy cows], not only on the elimination of the metalloid via the mammary glands. 034280
Preparation of *protein* **isolates** and concentrates by physico chemical methods. Industrial procedures applied to soybean. 033296
Protein **kinase** in cultured plant cells. 036821
Studies of different levels of *protein* in **layer's** ration [Chicks]. 034267
Leaf *protein:* scant research despite economic potential [as food ingredient]. 032814
Cryoprotective **leaf** *proteins* [Spinach, cabbage]. 037651
Effect of germination on the biological value, digestibility coefficient and net protein utilization of some **legume** *proteins.* 032408
Effect of dietary vitamin E on the activity of glutathione peroxidase and *nonprotein-sulfhydryl* **level** in erythrocytes and plasma of rats. 032271
Relationship of supplemental biotin, *protein* **level,** and grain source to reproductive performance of turkeys. 033103
Effect of varying fat and *protein* **levels** upon some fundamental characteristics of the lipid and protein metabolism in the blood serum and upon the body composition of growing rats. 034307
Biotin deficiency and fatty liver and kidney syndrome in chicks given purified diets containing different fat and *protein* **levels.** 034344
The effects of nickel on the growth and on the **liver** *proteins* of ducks. 034228
Free cortisol in obesity; effect of fasting [High and **low** *protein* diets]. 032162
Electrochemical properties of blood and **lymph** *proteins* of cows sick with lymphomatosis. 035241
Substitution of **lysine-supplemented** *high-protein* wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of **lysine-supplemented** *high-protein* wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
The value of meat and bone meal as the **major** *protein* concentrate in the diet of weaners and fattening pigs in the tropics. 034377
T3 resin uptake in *protein-calorie* **malnutrition** [Children]. 032163
Immunological studies in *protein* **malnutrition:** IV. Lymphoid cell proliferation in malnourished mice after SRBC [sheep red blood cells] administration. 035078
Comparative test methods for identification of *proteins* [**Malting,** brewing]. 032726
Unusual sources of *proteins* for **man** [Single cell protein, algae, yeasts, bacteria]. 032781
Synthesis of sluble, thylakoid, and envelope **membrane** *proteins* by spinach chloroplasts purified from gradients. 037641
Selective solubilization with sodium deoxycholate of **membrane** *proteins* from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. 038890
Comparison of batch and semicontinuous cultures for production of *protein* from **mesquite** [Prosopis] wood by Brevibacterium sp. JM98A [Feed]. 033506
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and *protein* **metabolism** in the blood serum and upon the body composition of growing rats. 034307
Effect of grapevine infectious chlorosis virus on *protein* **metabolism** in the plant. 038899
Studies on casein proteolysis. II. Total casein proteolysis as influenced by heat treatment of **milk** *proteins.* 032996
Diet and **milk** *protein* production [Cattle]. 034420
Genetic polymorphism of **milk** *proteins* in Japanese cattle and European cattle breeds in Japan. 034706
Preparation and use of silage **mixed** with *protein.* 033577
X-ray studies of poly(amino acids) as structural **models** for *proteins.* 032836
Double-headed protease inhibitors from black-eyed peas. III. Subunit enteractions of the native and half-site chemically **modified** *proteins.* 037770
Effects of adenosine **3':5'-monophosphate-dependent** *protein* kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039
Evidence for the activation of bovine adrenal cholesterol ester hydrolase by a phosphorylation involving an adenosine 3':5'-cyclic **monophosphate-dependent** *protein* kinase. 034200
Influence of *proteins,* **mucilaginous** compounds, and lipids on rye starch-paste formation. 033155
Studies on the denaturation of fish **muscle** *proteins.* I. Physico-chemical and electron microscopical studies of freezedenatured carp actomyosin. 032767
Effect of ricin on biosynthesis of **myeloma** *protein* (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 cells [Castorbeans]. 037361
Effect of germination on the biological value, digestibility coefficient and **net** *protein* utilization of some legume proteins. 032408
New *protein* mixture for child feeding. 032299
Proteins: **new** sources and new formulations [Research projects, Italy]. 032339
How much *non-protein* **nitrogen?** [Ruminant diets]. 034255
Non *protein* and non-lipid components of oilseeds: chemical composition, properties, characterization. 033295
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and forage yeasts meal at **normal** *protein* level. 034533
Metabolism of *protein* and **nucleic** acids during adaptation to various types of drought [Wheat]. 037429
Effect of *protein* **nutrition** on nitrogenous metabolism in swine. 034490
Increasing the *protein* **nutritive** value of [feed] rations. 033558

A method for **obtaining** *proteins* from green plants. 032708
Amino acids of *proteins* of **oocysts** in some species of Coccidia from hens. 035184
Peanut *proteins* as food supplements. 032383
The amide hydrogen bond in energy functions for **peptides** and *proteins.* 032835
Plant height, *protein* **percentage,** and yield relationships in spring wheat. 037393
Biological value and nutritional aspects of animal and **plant** *proteins* [Human nutrition]. 032172
Plant *protein* materials incorporated in foods. 032887
The effect of various **plant** *protein* supplements on the growth of broilers. 034388
Possibilities of substituting feeds of animal origin by **plant** *protein* feeds in broiler production. 034395
Effect of anabolics on amino acid imbalance in short term experiments. IV. Effects of stanozolol on **plasma** *proteins* in rats [Nutrition]. 032406
High affinity binding of dexamethasone to chicken **plasma** *proteins:* some characteristics of chicken corticosteroid binding globulin. 033868
Effect of stilbestrol dipropionate on hemoglobin, packed cell volume, **plasma** *protein* and cholesterol concentration in White Leghorn and Australorp cockerels. 033978
Maintenance of **plasma-derived** *proteins* at much lower concentrations in the uterine lumen of the rabbit: a kinetic study of passage. 034686
Application of circular polarization of luminescence to the study of peptides, **polypeptides,** and *proteins.* 032833
Proteins of **poultry** blood at different ontogenetic periods and in connection with the use of biologically active substances. 033991
Green Revolution and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the *protein* **problem.** 031849
Use of bacteria as *protein* **producers** in a process based on hydrocarbons. 032718
Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial **production** of *proteins].* 032013
Fattening swine in Austria with **productive** *protein.* 034360
Lipid composition and *protein* **profiles** of outer and inner membranes from pig heart mitochondria. Comparison with microsomes. 033805
Feed cakes and *proteins* in 1974. 033546
Protein **quality** of two varieties of high lysine maize fed alone and with black beans or milk in normal and depleted weanling rats. 032306
Production of *high-protein* **quality** pasta products using a semolina-corn-soy flour mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Protein **quality** of rumen bacterial preparations from cattle fed rations of different roughage content. 034171
Investigations of dairy detergents using **radioiodinated** *protein* and a miniaturised simulator. 033011
The value of **rape** *protein* for human consumption. 032460
Response of alanine, tyrosine & leucine aminotransferases to dietary pyridoxine & *protein* in **rat** tissues. 032336
Storage of iron as ferritin in the liver of the *protein-deficient* **rat.** 034207
A double-helical structure for **re-aggregated** *protein* of Narcissus mosaic virus. 038918
Protein **recovery** as an effluent treatment process. 041507
Developmentally **regulated** *proteins* of the plasma membrane of Dictyostelium discoideum. The carbohydrate-binding protein[Fungi]. 037056
Energy and *protein* **requirements:** recommendations by a joint FAO/WHO informal gathering of experts. 032229
Energy and *protein* **requirements** - recommendations by a joint FAO/WHO informal gathering of experts. 032439
The acid-based ratio of minerals in nutrition and the work of Ragnar Berg concerning their influence on the *protein* **requirements** of man. 032473
A simplified procedure to determine tryptophan **residues** in *proteins.* 032714
Phosphorylation of **ribosomal** *proteins* from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
Ribosomal *proteins* and the origin of plastids. 036972
A study of the **ribosomal** *proteins* and subunits of pea seeds by the method of electrophoresis in polyacrylamine gel. 037648
The relationship of chlorophyll biosynthesis to *protein* and **RNA** synthesis in greening and green leaves. 036977
Comparative immunochemical study of *proteins* of the **root** and other organs of pea seedlings. 037860
The effect of molybdenum on the conversion of sulphate to sulphide and *microbial-protein-sulphur* in the **rumen** of sheep [Nutritional biochemistry]. 034347
Methods of the evaluation of the nutritive value of *protein* in **rye** grain. 032459
Electrophoretic analysis of *proteins* of **salivary** glands and fat body in the development of Drosophila melanogaster. 039693
Quality factors affecting the nutritive value of [kidney] bean **seed** *protein* [Methionine]. 032210
Heritability estimates of percentage **seed** *protein* and available methionine and correlations with yield in dry [kidney] beans. 036430
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the **seed** *protein* fractions of the studied lupin species and varieties. 037437
The role of [various] factors in the fractionation of *proteins* in **seeds** of plants. 2. The time of extraction of protein fractions from seeds of plants [Wheat, rye, buckwheat]. 037344
The effect of the vitamins A and E on the amino acids composition of *proteins* in different **segments** of the brain in old animals [Rats]. 032500
Determination of sulphydryl and disulphide groups in proteins by amperometric titration. [Silver]. III. Investigation of the specifity of Ag+ ions for *protein* **SH** groups [meat]. 033114
Soluble *proteins* and hydrolases during crown-gall [Agrobacterium tumefaciens] induction in the tomato, Lycopersicon esculentum. 038858
New varieties of rapeseed as a **source** of *proteins.* 033222
Beet pulp and dried manure as a nitrogen **source** *(protein)* substitute for fattening bulls. 034327
Why to grow catch crop? A feed and *protein* **source** from the farm. 038081
Absorption and incorporation of tracer-labelled amino acids in rats fed with *protein* from various **sources.** 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Soy *proteins* in confectionery products. 032775
Spinnability of yeast [Saccharomyces cerevisiae] protein and its viscoelastic properties [in comparison with commericalcasein and **soy** *protein].* 032846
Ruminal properties and plasma free amino acids of cows fed purified diets containing urea or **soy** *protein* together with rice straw. 034425
The structure, physical and chemical properties of the **soybean** *protein* glycinin. 037365
Fish muscle **structural** *proteins* [Fishery products]. 032795
The change of *protein* **substances** and the activity of certain enzymes of wine in the process of continuous champagnization. 033474
New techniques for preparation of improved **sunflower** *protein* concentrates. 033207
Processing and nutritional evaluation of calcium caseinate *[Protein* **supplement].** 032370
Two levels of **supplemental** *protein* for performance testing bulls on corn silage. 034481
The efficacy of *protein* **supplementation** in overcoming urea toxicity in sheep. 035395
Effect of proteases on activation of resting chick embryo fibroblasts and on cell **surface** *proteins.* 033855
A disc electrophoretic study of the *protein* of **susceptible,** tolerant and resistant lucerne with reference to Verticillium [albo-atrum] wilt. 038668
Distribution of *protein* within **sweetpotato** roots (Ipomea batatas L.). 033412
The effect of protein deprivation and starvation on the rate of *protein* **synthesis** in tissues of the rat. 032180
Humoral immunity *[Protein* **synthesis].** 032286
Iron-loading: effect on the activity of liver ribosomes in *protein* **synthesis** in rats [Nutrition study]. 032413
Influence of different amounts of alimentary protein on the age-specific feaures of the *protein* **synthesis.** 032489
Protein **synthesis** in homologous and heterologous cell-free systems from chick embryo connective tissues. 033811
Polymorphism in fowl serum albumin. V. *Protein* in **synthesis** in cell-free systems from regenerating liver of the fowl (Gallus domesticus). 033872
The effect of *protein* **synthesis** inhibition by cycloheximide on the fractionation of chloroplast structural elements [Barley]. 037400
Spectra of *protein* **synthesis** in dividing and mature cells of maize root. 037432
Study of the RNA and *protein* **synthesis** in meristems of potato tubers and the effect of growth regulators of a phenylic nature on these processes. 037683
Chromosome puff activity and *protein* **synthesis** in larval salivary glands of Drosophila melanogaster. 039902
Influence of the dietary protein deficiency on the *protein* **synthetic** activity of microsome and soluble fraction from muscle and liver of rats. 035297
Synthetic *pigment-protein-lipoid* complexes—models of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. 036973
Relationship between the *protein-synthesizing* **system** and the structure of chloroplasts. 036971
The biosynthesis of plastid membrane **system** *proteins* during the biogenesis of chloroplasts [Maize]. 037396
Production of a crystal clear, bland **tasting** *protein* solution from cheese whey. 032956
Cottonseed *[protein]:* a **technological** breakthrough in the world food crisis. 032375
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into **tissue** *proteins* after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Effect of germination on the carbohydrates, *proteins,* **trypsin** inhibitor, amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407
Measurement of *protein* **turnover** in animal cells. 034104
Tobacco fraction 1 *protein:* a **unique** genetic marker. 036638
The *protein* **value** of soy with a standard layer PDI [protein dispersibility index] number. 033275
Absorption and incorporation of tracer-labelled amino acids in rats fed **varying** *protein* sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of rats fed with *proteins* of **varying** quality (estimation of the binding capacity for corticsteroids). 034312
Vegetable *protein* for combating protein malnutrition in developing countries. 032334
Quality of *proteins* in **Verticillium** dahliae Klebahn and Fusarium oxysporum f. vasinfectum strains with different pathogenicity. 038808
Spinnability of yeast [Saccharomyces cerevisiae] *protein* and its **viscoelastic** properties [in comparison with commericalcasein and soy protein]. 032846
Effect of alkaline cations on the electrophoretic spectrum of **water-soluble** *proteins* of tomato leaves. 037861
Investigation of **wheat** *protein* disulfide reductase. 037359
Content of nucleic acids and *protein* in **wheat** leaves infected with rust [Puccinia graminis]. 038798
Changes in the **whey** *protein* fraction in mastitis milk, colostrum and drying off secretions. 032053
Hydrogen peroxide alteration of **whey** *protein* in skim milk and whey protein solutions. 032994
Co-precipitates [caseins and **whey** *proteins* derived from milk]—a review. 033010
Contribution to the problem of whey utilization: general considerations and experiments on the incorporation of **whey** *proteins* in the rennet coagulum. 033033
The **whey** *proteins* as indicators of the physiological or of the pathological status of the mammary gland. 033747
Methods for avoiding proteolytic artefacts in studies of enzymes and other *proteins* from **yeasts** [Saccharomyces cerevisiae]. 037107

PROTEOLYTIC

Proteolytic **activity** of beef liver determined by natural substrates labelled with 125I [Iodine isotope]. 034223
Methods for **avoiding** *proteolytic* artefacts in studies of enzymes and other proteins from yeasts [Saccharomyces cerevisiae]. 037107
Studies on **casein** *proteolysis.* II. Total casein proteolysis as influenced by heat treatment of milk proteins. 032996
The digestion of the glycoprotein from pig gastric mucus with pepsin and other *proteolytic* **enzymes.** 034209
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of *proteolytic* **enzymes** and ethylene glycol tetraacetic acid (EGTA). 034986
Torula thermophila [yeast] strain UzPT-1, thermophilous producer of *proteolytic* **enzymes.** 037234
Acidity and *proteolysis* as **factors** affecting the nutritive value of corn silage [Calves]. 034404
Some structural features of rabbit muscle aldolase as derived from its **limited** *proteolysis.* 033703
Hygienic investigation of a *proteolytic* **preparation** obtained from Actinomycetes [rumosus tested as potential food additive]. 032153
Ability of the species of Geotrichum candidum to **produce** *proteolytic* enzymes. Additional note [Cheese manufacture]. 032983
Clotting and *proteolytic* **properties** of Cirsium arvense [showing milk coagulating ability]. 032984

PROTEUS

Presence of *Proteus* and **failure** of antibiotherapy in neonatal calf diarrhea. 034990
A *Proteus* **inconstans** which produced 'cabbage odour' in the spoilage of vacuum-packed sliced bacon. 032072

PROTOCHLOROPHYLL

Chloroplast biogenesis. Biosynthesis and accumulation of *protochlorophyll* by **isolated** etioplasts and developing chloroplasts [Cucumbers]. 037638

PROTOCHLOROPHYLLIDES

The effect of delta-aminolevulinic acid on the *protochlorophyllide* **accumulation** and chlorophyll formation in barley green leaves. 037398

PROTONS

A new method of analysis of protein content in grain by *proton* **activation.** 033198
Two mechanisms of the light-dependent transport of *proton* in **chloroplasts** of plants [Maize, peas]. 037402
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with *protons* of **doses** varying inside the organism [Radiation injuries]. 035435

Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, *proton* **flux** and phosphorylation in the photosynthetic membrane [Spinach]. 037655
Proton **magnetic** resonance study of troponin-C [Rabbits]. 033898
Study of the influence of paramagenetic impurities of the relaxation of *protons* of the **[plant]** tissue water using the Overhauser effect. 036914

PROTOPLASM
The thermostability of two types of *protoplasmic* **streaming** in Physarum polycephalum [Fungi] plasmodia. 037323

PROTOPLASTS
Isolation, culture, and induction of embryogenesis in *protoplasts* from **cell-suspensions** of Atropa belladonna. 036347
Structural changes of the plasmalemma during cell wall regeneration of **isolated** *protoplasts* from stem callus of Skimmiajaponica Thunb. 037207
Sieve-element ultrastructure in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous wall thickening and **maturation** of the *protoplast*. 036267
Regeneration of haploid and diploid Datura innoxia Mill. **Mesophyll** *protoplasts* to plants. 036716
Urease activity of isolated **tobacco** *protoplasts*. 037590

PROTOTYPES
Mannosidosis of Angus cattle: a *prototype* **control** program for some genetic diseases. 035293
A *prototype* of a **machine** for the mechanized harvesting of strawberries. 040486
Mechanized harvesting of plums for processing; results of trials with a *prototype* [of **machinery**] constructed by the Institute of Fruit Culture of the University of Bologna. 038384

PROTOZOA
Influence of rumen **ciliate** *protozoa* on the concentration of free amino acids in the rumen fluids. 034088
Intestinal parasites and **commensal** *protozoa* in foodhandlers from the central area of the city of Concepcion, Chile [Food sanitation]. 031970
Internal metazoal and *protozoal* **diseases** [Cats]. 035068
Standardized test method using *protozoa* for **measuring** water pollutant toxicity. 041647
Soil *protozoa*—animalcules of the subterranean microenvironment. 040656

PROTURA
Taxonomy and synecology of the genus Proturentomon **Silvestri** *(Protura)* [New taxa]. 040153
Seasonal distribution of *Protura* in **three** Delaware forests [Eosentomon vermiform, Acerella]. 039709

PROVENTRICULUS
The occurrence of lipid in the oxyntico-pepticc cells of the *proventriculus* of the **fasting** domestic fowl [Chickens]. 033999

PRUNES
Temperature-sensitive *prune* (pn) mutations of Drosophila melanogaster. 039884

PRUNING
A high-density peach orchard [Planting, *pruning*, **Canada**]. 038357
Timing and **extent** of *pruning*. 038413
Pruning in **fruit** orcharding. 038338
Pruning **fundamentals** [Trees]. 038393
Effect of *pruning* **severity** on the growth and fruit production of 'Thompson Seedless' grapevines. 038245
Effects of *pruning* **severity** and frequency and fertilizer levels on growth and quality of Juniperus chinensis varieties 'Pfitzeriana' and 'Hetzi'. 038455
Dwarf mistletoe [Arceuthobium pusillum]-infected [Pinus] ponderosa pines **survive** *top-pruning*. 039141
Inheritance of growth habit components in *self-pruning* **tomatoes.** 036476
Effect of mechanized **tree** *pruning* on yield of mazzard cherries. 038469
A comparison of **two** *pruning* methods on mature lemon trees. 038279

PRUNUS
F1 hybrids of peach and almond *[Prunus* **amygdalus]** trees as models for both species. 036383
Use of the "direct sowing" method for planting a grove of almond trees *[Prunus* **amygdalus,** costs]. 038242
Etiology of almond *[Prunus* **amygdalus]** leaf scorch disease and transmission of the causal agent [a bacterium, Draeculacephala minerva]. 038869
Nitrogen nutrition for fruit trees. II. Sour **cherry** *(Prunus* cerasus). 041108
Observations on the development and the ultrastructure of some erinoses. II. Erinose caused by Eriophyes paderineus L. on the leaves of *Prunus* **padus** L. 039235
Isolation of gibberellins A5, A32, A32 acetonide and (+)abscisic acid from *Prunus* **persica** [Peaches]. 037619
The peach tree *[Prunus* **persica]** and its culture. 038264
Observations on the characteristics of the nectar glucide fraction of 5 fruit **species** *[Prunus]*. 037634

PSEUDOBACTERIUM
Biochemical activity of polluted soil [Plant injuries, control with *Pseudobacterium* **lacticum,** Pseudomonas liquefaciens and sodium humate as stimulants]. 040811

PSEUDOCOCCIDAE
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the Rhodesgrass scale, Antonina graminis (Maskell) **(Homoptera:** *Pseudococcidae)*. 039292

PSEUDOMONAS
An outbreak of *Pseudomonas* **aeruginosa** infection in mink in Hokkaido and inoculation with OEP vaccine. 035120
Bitterness prevention in citrus juices: Comparative activities and stabilities of the limonoate dehydrogenases from *Pseudomonas* and **Arthrobacter** [in orange juices]. 033411
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in *Pseudomonas* **[compared** to that of grapefruit seeds causing bitterness of juices]. 033414
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, *Pseudomonas* **liquefaciens** and sodium humate as stimulants]. 040811
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad *[Pseudomonas* **marginalis** isolated from lettuce]. 038851
An improved seed programme for maintaining disease-free seed of field beans (Phaseolus vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, *Pseudomonas* **phaseolicola].** 038872
The development of [the blue-green alga] synechocystis aquatilis Sauv. in the presence of [the saprophytic bacteria] *Pseudomonas* **putida** Migula. 037327
The radiation-resistant red bacterium *[Pseudomonas* **radiora]from** rice. 038863
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of soft **rot** *pseudomonad* [Pseudomonas marginalis isolated from lettuce]. 038851
Bacterial stripe of Euchlaena mexicana caused by *Pseudomonas* **rubrilineans.** 038861
Degradation of 1-naphthol by a **soil** *pseudomonad*. 040666

PSEUDOPERONOSPORA
Cucumber mildew *[Pseudoperonospora* **cubensis]** in protected cultures. 038725

PSEUDOPLUSIA
Structure of an insect virus [Trichoplusia ni, *Pseudoplusia* **includens,** Autographa californica, biological control]. 039217

PSEUDOPREGNANCY *see* PREGNANCY

PSEUDORABIES
DNA polymerase in *pseudorabies* **virus** infected cells. 035109

PSEUDOTSUGA
Stability of [forest] stands to wind: a theoretical approach [Damage, *Pseudotsuga* **menziesii].** 035498
Douglas fir *[Pseudotsuga* **menziesii]** IUFRO [International Union of Forestry Research Organizations] provenances in the Netherlands 1968-69 series. Nursery results. 035677
A Southwestern mixed conifer plantation—case history and observations [Pinus ponderosa, *Pseudotsuga* **menziesii,** Picea parryana]. 035692
Compression strength adjustments for moisture in commercial Douglas-fir *[Pseudotsuga* **menziesii]** plywood. 035744
Lumber recovery from large, highly defective, low grade coast Douglas-fir *[Pseudotsuga* **menziesii].** 035893
A note on the protection of wooden beams exposed to an acidic, humid atmosphere *[Pseudotsuga* **menziesii,** wood]. 035895
Strength and deformation of pitched-tapered Douglas-fir *[Pseudotsuga* **menziesii]** glued-laminated beams. 035900

PSIDIUM
Leaf amino acids of *Psidium* **guajava** [Guavas]. 037790

PSOCOPTERA
Ectopsocopis cryptomeriae (Enderlein, 1907) a remarkable species of the Yugoslavian Psocoptera fauna **(Peripsocidae,** *Psocoptera)*. 040007

PSORALEA
A new formylated chalkone, 5'-formyl-2',4-dihydroxy-4'-methoxychalkone, from the seeds of *Psoralea* **corylifolia.** 036983

PSOROPHORA
Psorophora **(Janthinosoma)** mathesoni, sp. Nov. For "varipes"of the southeastern U.s.a. 040123

PSOROPTIDAE
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides [Acarina, **Sarcoptidae,** *Psoroptidae]*. 039510

PSYCHODIDAE
The salivary gland chromosomes of Telmatoscopus albipunctatus (Williston) **(Diptera:** *Psychodidae)*. 039670
Lutzomyia vespertilionis (Diptera: *Psychodidae)*: **potential** vector of chiropteran trypanosomes in Panama. 039480
Polytene chromosomes of the sandfly Lutzomyia longipalpis and the cytogenetics of *Psychodidae* in **relation** to other Diptera. 039838

PSYCHOLOGY
Physiological and *psychological* **analysis** of the acceptability of acute rodenticides by rats. 039020

PSYLLIDAE
The life system of Cardiaspina **albitextura** *(Psyllidae)*, 1950-74. 039635
The life system of Cardiaspina **albitextura** *(Psyllidae)*, 1950-74. 039636
A bibliography on the pear psylla, Psylla pyricola **(Homoptera:** *Psyllidae)*. 039321
New data on the biology of *Psylla* **pyrisuga** Forst. (Homoptera, Psylloidea) from the Crimea. 039716

PSYLLOIDEA
New data on the biology of Psylla pyrisuga Forst. (Homoptera, *Psylloidea)* from the **Crimea.** 039716

PTELEA
7,8-methylendioxy-chinolin derivatives as secondary alkaloids in the flowers of *Ptelea* **trifoliata.** 037185

PTERIDIUM
Taste substances in foods. V. Organic acids in vegetables [Asparagus, Aralia elata, *Pteridium* **aquilinum,** Osmundastrum cinnamomeum]. 033409

PTERIDOPHYTA
Polypodium plumula in the **Bahamas** *[Pteridophyta]*. 035945
Microgramma piloselloides with furcate fertile fronds *[Pteridophyta* in **Costa** Rica]. 036261
Gametophyte sex expression in some species of **Dryopteris** *[Pteridophyta]*. 036386
A county checklist of the ferns *[Pteridophyta]* and **fern** allies of Kansas, Nebraska, South Dakota, and North Dakota. 036134
Photosynthesis and respiration rates of **ferns** *[Pteridophyta]*. 036758
The Benjamin D. Gilbert Fern **Herbarium** *[Pteridophyta]*. 035907
An enumeration of **indigenous** *pteridophytes* in Taiwan. 6. 036126
The ferns of San Salvador **Island** *[Pteridophyta]*. 035948
Woodsia oregana new to **Kansas** *[Pteridophyta]*. 035951
Trichomanes petersii in **Louisiana** *[Pteridophyta]*. 035950
The spores and taxonomy of Isoetes butleri and Isoetes **melanopoda** *[Pteridophyta]*. 035949
Reproductive biology and gametophyte morphology of Acrostichum danaeifolium from **Mexico** *[Pteridophyta]*. 036263
A new locality for Braun's Holly Fern [Polystichum braunii purshii] in **Minnesota** *[Pteridophyta]*. 035942
Phloem structure and development in Blechnum **orientale** *[Pteridophyta]*. 036262
The New Zealand species of Tmeispteris **(Psilotaceae)** *[Pteridophyta]*. 036070
The ferns and fern-allies of Cocos Island, Costa **Rica** *[Pteridophyta]*. 035947
Polypodium vulgare versus Polypodium virginianum in the eastern United **States** *[Pteridophyta]*. 035946
A second collection of Psilotum nudum from **Texas** *[Pteridophyta]*. 035943

PTEROCARPUS
A note on temperature sensitivity for germination of *Pterocarpus* **santalinus** seed. 037935

PTERODON
Further isoflavones from *Pterodon* **apparicioi.** 037164

PTEROMALUS
Chalcid wasps from [cabbage] butterfly [Pieris brassicae] pupae [Parasites, Apanteles glomeratus, *Pteromalus* **puparum**]. 039347

PTEROPHORIDAE
Catalog and location of types of the Central **European** *Pterophoridae* (Lepidoptera, Pterophoridae). II. 040005

PTEROSTICHUS
Laboratory studies on the life cycle of *Pterostichus* **melanarius** (Illig.) (Coleoptera: Carabidae). 039947

PTILIIDAE *see* TRICHOPTERYGIDAE

PTINIDAE
The Australian spider **beetle** *(Ptinus* tectus) [Pests of stored products]. 039430

PTYCHOLOMA
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, *Ptycholoma* **aeriferana,**. 039407

PUBERTY
A study of seasonally **delayed** *puberty* in the male hare, Lepus europaeus. 034678
Histological uterus examination of gilts for possibilities of **earlier** *puberty* and induction of onset. 034749
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of *puberty-induced* **gilts** following estrus synchronisation and artificial insemination. 034577
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of *puberty* **induced** gilts and fertility results following artificial insemination. 034575
Investigations into *puberty* **inducement** with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
Studies into ways to induce the onset of *puberty* by **means** of heat and ovulation synchronisation [Swine]. 034753

PUCCINIA
A note on the seasonal changes in the incubation time of groundnut rust *[Puccinia* **arachidis].** 038602
Comparison of different hill-plot designs for evaluating quantitative response to oat crown rust *[Puccinia* **coronata].** 038595
The effect of some chemical compounds on germination of uredospores of *Puccinia* **dispersa** Erikss. et Henn. [Rust, rye]. 038732
Genetics of stem rust *[Puccinia* **graminis** tritici] resistance in wheat cultivars Romany, Es.p 518/9, Bonny and Tama. 038593
A comparative study of races of stem rust *[Puccinia* **graminis** tritici] of wheat: relation of temperature as a factor governing their prevalence. 038642
Application of two epidemiological models for the identification of slow stem rusting [caused by *Puccinia* **graminis** tritici] in wheat [varieties of varying susceptibility]. 038762
Content of nucleic acids and protein in wheat leaves infected with rust *[Puccinia* **graminis].** 038798
Resistance of indigenous and exotic barley varieties to races of black **rust** *(Puccinia* graminis). 038661
Germination of *Puccinia* **striiformis** uredospores on leaves of adult winter wheat plants [Resistance to yellow rust]. 038566

PUERARIA
Studies on the constituents of flowers. V. On the components of flower of [Kudzu] *Pueraria* **thunbergiana** Benth. 2. Isolation of a new isoflavone glycoside. 037482

PUERPERIUM *see* BIRTH

PUFF
Chromosome *puff* activity and protein synthesis in larval salivary glands of Drosophila melanogaster. 039902
Shortening sparing effect of sodium stearoyl-2-laclylate in *puff* **pastry.** 033224
Influence of boron on the development of *puffs* in the **polytene** chromosomes of the saliva glands of Drosophila melanogaster at the stage of the early prepupa. 039917
Puff **size** variability in Drosophila melanogaster. 039924

PULEX
Light responses of **Daphnia** *pulex* [Algae]. 037089

PULMONARY
"Closing volume" changes in **alloxan-induced** *pulmonary* edemain anesthetized dogs. 034007
Influence of altitude and age on *pulmonary* **arterial** pressure in cattle. 034152
Removal of inhaled 239PuO2 [plutonium dioxide isotope] from beagle dogs by *pulmonary* **lavage.** 033911
Plaque-forming factor produced by **Mycoplasma** *pulmonis* [Animal diseases]. 035166
Neurogenic *pulmonary* edema in the dog. 035336
The effects of indomethacin on the *pulmonary* **vascular** response to hypoxia in the premature and mature goat. 034155

PULP
Comparison of the effect of 3 diets containing beets or **beet** *pulps* or maize silage on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Beet *pulp* and dried manure as a nitrogen source (protein) substitute for fattening bulls. 034327
Fatty acid composition of oleaster **[Elaeagnus** *angustifolia]pulp* and pit oils. 033422
Pulp for **hemp** paper: mechanical pulp and mechano-chemical pulp [Analysis, properties]. 033197
Full forest utilization. II. Quality and **kraft** *pulp* yield of eastern Canadian hardwoods. 035849
How hardwoods respond to H2S [hydrogen sulfide] pretreatment **kraft** *pulping.* 035855
Increased **linerboard** *pulp* yield through sulfonation. 035882
The nutritive value of dried potato and **maize** *pulps* for swine. 034527
Pulp for hemp paper: **mechanical** *pulp* and mechano-chemical pulp [Analysis, properties]. 033197
Properties of **mixed** *pulps.* 035756
A technique for measurement of wood-fiber deposits around *pulp-mill* **outfalls.** 035876
The paper sector in the European Economic Community and the European Free Trade Association. I. *Pulps* for **paper** [Trade and economic aspects, Europe, United States,. 035720
The status of water pollution control in the Soviet Union *[Pulp* and **paper** production]. 041670
Characterization and comparison of spent oxygen—alkali and **soda** *pulping* liquors. 035878
Nutritive value of dried **sugarbeet** *pulp* (Beta saccharifer) [Buffalo bulls]. 034391
Poisoning in cattle caused by a batch of **sugarbeet** *pulp.* 035430
Sulfate *pulping* of kenaf. 033227
Physicochemical properties of black liquors from sulfate cooking of different species of wood from the forest base of the **Tavdinskii** *Paper-Pulp* Combine. 035816
A review of **thermo-mechanical** *pulping.* 035850
The birefringence of **wood** *pulp* fibres and the thickness of the S1 and S3 layers. 035901

PULPWOOD
Dry barking of **birch** *pulpwood* by drum bark stripping machines. 035767
Pulpwood **prices** in the Southeast, 1974. 035892

PULSATION
Milking without *pulsation* by **means** of a jacketed airflow system in single-chamber teat cups (PME [pulsation-free milking] system). 040456
Aseptic milking by implanted cannulae as a model for a *pulsation-free* **milking** technique and as a basis for the study of specific and unspecific defence mechanisms against infection. 035003
Milking without pulsation by means of a jacketed airflow system in single-chamber teat cups (PME *[pulsation-free* **milking]** system). 040456

PULSE
A new machine and method for bulk treatment of pulses with grain protectants against *pulse* **beetle** Callosobruchus maculatus fab. (Bruchidae-Coleoptera). 039250
Increase yield of *pulses* by **controlling** weeds. 039165
Use of **differential** *pulse* anodic stripping for trace elements in sugar products. 033188
Study of the self-diffusion of water in biological objects by the method of nuclear spin echo using *pulse* **gradient** of the magnetic field [Plants, mice]. 033879
A new machine and method for bulk treatment of *pulses* with **grain** protectants against pulse beetle Callosobruchus maculatus fab. (Bruchidae-Coleoptera). 039250
The place of *pulses* in **India** with particular reference to the arid zones. 037970
The amount of flower shedding in some **kharif** *pulses* [Cowpeas, mung beans, mungo beans]. 037762
Pulsed **sprinkling** of palmetto-type orchards [Apple trees]. 041428

PULVERIZATION
Calculating temperature criteria and determining temperature field in the pyrolysis of *pulverized* **wood.** 035803

PUMPKINS
Transport and conversion of sugars in nectaries in connection with the secretory function **[Asclepias,** *pumpkins].* 037283
Collar rot of *pumpkin* **caused** by Sclerotium rolfsii. 038679
Crested thylakoids in carotenoidoplasts of subepidermal cells of the *pumpkin* **Cucurbita** pepo L. var. aurantiformis hort. 037874
Assimilation of nitrogen by plants in conditions of phosphorus **deficiency** *[Pumpkins].* 037705
Comparative specificity of geranylgeranyl pyrophosphate synthetase of Micrococcus **lysodeikticus** and *pumpkin.* 037763
Characteristics of *pumpkin* **seed** oil. 033420

PUMPS
One instrument of the energy revolution: the hot **air** *pump* [for buildings]. 040381
Efficiency of enamel varnish insulation on stator windings during operation of **electric** *pumps* in water [Farm equipment]. 040392
Valuation of computation models to determine leakage losses of **gear** *pumps* [Equipment]. 040447
The experience of **operating** *pump* units on the [irrigation] canal Irtysh-Karaganda. 040361
Evidence for electrogenic **sodium** *pumping* in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
Electrogenic **sodium** *pump* in exocrine gland cells. 033937
A succession of *pump* **stations** on the Karshinskii main canal[in the Uzbek SSR]. 041251
Test drillings and *pump* **tests** in the "Vogelsberg" Hesse [Water supply]. 041456
Guidelines for the selection of **turbine** *pump* materials for use in groundwaters [Irrigation equipment, water supply]. 040454

PUNCTURES
Spreading depression resulting from **cortical** *punctures* [Cats]. 033711

PUPAE
Key to subfamilies of robber flies based on pupal cases, with a description of the *pupal* **case** of Doryclus distendens (Asilidae: Megapodinae). 040140
Pupal **differences** between species A and B of the Anopheles gambiae group from Kaduna, West Africa. 040124
Rearing of Pachychrepoideus vindemiae (Rond.) (Hymenoptera, Pteromaidae) on *pupae* of **Drosophila** species. 039906
Carotenoids in blue mutant and normal **green** *pupae* of Hyalophora cecropia. 039835
A description of the larva and *pupa* of **Haematopota** scutellata rossica Olsufjev et Ivanistshuk (Diptera, Tabanidae). 040046
The effect of the light regime upon the Accumulation of phospyhorus combinations in *pupae* of **Heliothis** armigera Hb. (Lepidoptera, Noctuidae). 039719
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. I. Larva, *pupae* and **native** adults. 040197
Chalcid wasps from [cabbage] butterfly [Pieris brassicae] *pupae* **[Parasites,** Apanteles glomeratus, Pteromalus puparum]. 039347
Sexing large aspen **tortrix** *pupae* [Choristoneura conflictana, Populus tremuloides]. 039409
The difference of *pupa* **weight** measurements in Tribolium andits effects on selection responses. 039656

PUPPIES *see* DOGS

PURCHASING
Effective *purchasing* management. 032704
Depreciation as a factor—is leasing.[veterinary] **equipment** better than *purchasing?* 040489
Purchase of **knitwear.** 032513
Basic and *purchase* **prices** for fruit and vegetables for the 1975/76 fiscal year [European Economic Community]. 031651

PUREBREDS
Performance of *purebred* and **crossbred** dairy cattle in Thailand. 034561
Evaluation of *purebreds* and **crossbreds** for broiler traits. 034647
Study on milk yield and milk composition of *purebred* **Murrahbuffalo** cows and of crosses with native buffalo bulls. 034874

PURIFICATION
Self-purification **capacity** of impoundments [Water quality, algae]. 041681
Oxidation of methanol and formaldehyde by a system containing alcohol oxidase and **catalase** *purified* from Candida [fungi] sp. N-16. 032711
Purification and **characterization** of lipolytic acyl-hydrolases from rice bran. 033249
Purification and **characterization** of lipolytic acyl-hydrolases from rice endosperm. 033250
Purification and **characterization** of beef liver dihydrofolate reductase. 033765
Purification and **characterization** of ovine pancreatic alphaamylase. 033822
Horse liver aldehyde dehydrogenase: *Purification* and **characterization** of two isozymes. 034040
Purification and **characterization** of proteinase inhibitors from adsuki beans (Phaseolus angularis). 037767
Sex pheromone of rice stem borer [Chilo suppressalis]; *purification* and **chemical** properties. 039251
Synthesis of sluble, thylakoid, and envelope membrane proteins by spinach **chloroplasts** *purified* from gradients. 037641
Purification of **creatine** kinase from bull heart mitochondria. 033827
Biotin deficiency and fatty liver and kidney syndrome in chicks given *purified* **diets** containing different fat and protein levels. 034344
Ruminal properties and plasma free amino acids of cows **fed** *purified* diets containing urea or soy protein together with rice straw. 034425
Guinea pig liver L-asperaginase. Separation, *purification,* and **intracellular** localisation of two distinct enzymatic activities. 033798
Invert sugar degradation during **juice** *purification* in the presence of atmospheric oxygen. Results obtained from industrial experiments. 033311
Purification of **liver** microsomal cytochrome P-448 from 3-methylcholanthrene-treated rabbits. 034107
Pig heart mitochondrial ATPase [adenosine triphosphate]: properties of *purified* and **membrane-bound** enzyme. Effects of flavonoids. 033821
Purification of **methionine-accepting** transfer ribonucleic acid from Scenesmus obliquus D3 [Algae]. 037310
Phospholipase A2, isoenzyme from porcine **pancreas** *purification* and some properties. 033810
The **partial** *purification* of Clostridium perfringens beta toxin [Livestock]. 035177
Partial *purification* and characterization of the lipoxygenase from grains of Hordeum distichum [Barley]. 037514
Purification of **phosphoric** acid with methanol and ammonia [solution fertilizer production]. 040992
Nucleoside diphosphate kinase of beef erythrocytes. *Purification* of the **phosphorylated** form. 033819
Glyceraldehyde-3-phosphate dehydrogenases from Euglena gracilis [Algae]. *Purification* and **physical** and chemical characterization. 036784
Purification and **properties** of proteinase inhibitors from the albumin of the **eggs** of certain species of birds [Chickens, quail]. 033119

Adenosine triphosphate: nicotinamide mononucleotide adenylyltransferase of pig liver. *Purification* and **properties.** 033784
Purification and **properties** of an avian prolactin [Chickens]. 033907
Purification and **properties** of bovine uterine glutamic dehydrogenase: a comparison with the liver enzyme. 033987
Purification and **properties** of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 reductase from rabbit liver microsomes. 034032
Purification and **properties** of polyol: NADP [niconinamide adenine dinucleotide phosphate] oxidoreductase from pichia quercuum [Fungi]. 036731
Purification and **properties** of a polyol dehydrogenase from Cephalosporium chrysogenus [Fungi]. 037014
The *purification* and **properties** of glutamine-dependent asparagine synthetase isolated from Lupinus albus [Lupine]. 037548
Purification and **properties** of S-adenosyl-L-homocysteine hydrolase from leaves of spinach beet. 037640
An endo-alpha yield 6-D-mannanase from soil bacterium [Arthobacter]. *Purification,* **properties,** and mode of action. 040668
Vitamin B12 binding **protein** *purified* from the acid soluble fraction of chick embryo. 033992
Purification of **rice** stripe virus [transmitted by Laodelphax striatellus]. 038884
Purification and **serology** of bean yellow mosaic virus [transmitted by Myzus amaranticolor]. 038883
Isolation, *purification,* and **study** of some properties of the lysl-, phenylalanyl-, and aspartyl-tRNA synthetases from the fungus Verticillium dahliae. 036887
Extraction and *purification* of **tRNA** from fruit tissues [of tomatoes, pears, and apples]. 037805
Double-headed protease inhibitors from black-eyed peas. I. *Purification* of **two** new protease inhibitors and the endogenous protease by affinity chromatography. 037768
Purification of **Ulex** europeus hemagglutinin I by affinity chromatography. 036759
Role of photosynthetic bacteria in foul **water** *purification.* 041641
Snythesis of trickling filter and activated sludge processes **[Water** *purification].* 041677
Technology and **water** *purification* in the sugar industry. 041678

PURINES
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl **amino** *purine* (kinetin) and [Bougainvillea] plant surfaces, glass, and porcelain ware. 037203
Purines and their **metabolism** in plants. 037311
The utilisation of soil mycobacteria derivatives of *purine* and **pirimidine** (DPP) as the only source of nitrogen and carbon. 040847

PURKINJE
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in *purkinje* **fibers** of the chicken, sheep, dog and rheusus monkey heart. 034069

PUTRESCINE
Problem of salinity **induced** *putrescine* formation in plants [Peas, maize]. 037142

PYCNIDIUM
A quantitative method for estimating density of Septoria **tritici** *pycnidia* on wheat leaves [Leaf blotch]. 038761

PYEMOTES
Some laboratory observations on the biology and predaceous activities of the **mite** *Pyemotes* ventricosus Newport (Acarina: Pyemotidae) [Storage pests]. 039411

PYGMY
Rooting cuttings of **Crimson** *Pygmy* Barberry [Berberis thunbergi]. 037834

PYRALIDAE
The resistnace of corn to Ostrinia nubilalis Hbn (Lepidoptera, *Pyralidae)* and the **prospects** for international cooperation on this problem. 039279

PYRETHRINS
Stability of *pyrethrins* in **mosquito** [Aedes aegypti] coils under long storage—a note. 039509
Pyrethrins and **pyrethroids** in coils—a review [Mosquito control]. 039506

PYRETHROIDS
Pyrethrins and *pyrethroids* in **coils**—a review [Mosquito control]. 039506

PYRETHRUM
Pyrethrum **airsprays** control mosquitoes [Aedes taeniorhynchus] in the Caribbean. 039507
Some observations on the biological performance of *Pyrethrum* **based** mosquito [Aedes aegypti] coils. 039508
Ecology fears boost **Kenyan** *pyrethrum* exports [Insecticides]. 031605
The genetic variability of the yield components in the **Kenyan** *Pyrethrum* [Chrysanthemum cinerariaefolium] population [Insecticides, plant origin]. 036626
Utilisation of *pyrethrum* **wste** products as a livestock feed [Cattle]. 033928

PYRGOMORPHIDAE
The synonymy and distribution of the crenulata- and psittacina-groups of Atractomorpha Saussure 1862 (Orthoptera: **Acridoidea:** *Pyrgomorphidae).* 040169

PYRICULARIA
A gene action for avirulence partially affected by mutation in rice blast fungus *[Pyricularia* **oryzae].** 038571
Polysaccharide-degrading ability of rice blast fungus *[Pyricularia* **oryzae]** of a different pathogenicity and virulence. 038573
A method of quantification of the infection phenomenon in blast disease *[Pyricularia* **oryzae]** of rice for the use in genetical studies. 038669
Perpetuation of *Pyricularia* **oryzae** Cav. Through infected seeds in Vidarbha region [Rice]. 038702
Variability in the virulence of *Pyricularia* **oryzae.** 038719
Seed-borne fungi of rice (Oryza sativa) in Nigeria [Drechslera oryzae, *Pyricularia* **oryzae,** Trichoconis padwickii]. 038795

PYRIDAZINONES
Manipulation of galactolipid fatty acid composition [of wheat] with **substituted** *pyridazinones.* 037523

PYRIDINE
Pyrrolidine, piperidine, and *pyridine* **alkaloids** [Plants]. 036744
The activity of *pyridine* **nucleosidase** in bull semen and its relationship to fertility. 034761
Adenyl and *pyridine* **nucleotides** of the forms of Verticillium dahliae Kleb. differing in the pathogenecity. 038605

PYRIDOXAL
Inhibition of 3-phosphoglycerate dehydrogenase from Pisum sativum [peas] by *pyridoxal* **5'-phosphate** and by pyridoxamine 5'-phosphate. 037872

PYRIDOXAMINE
Inhibition of 3-phosphoglycerate dehydrogenase from Pisum sativum [peas] by pyridoxal 5'-phosphate and by *pyridoxamine* **5'-phosphate.** 037872

PYRIDOXINE
Response of alanine, tyrosine & leucine aminotransferases to **dietary** *pyridoxine* & protein in rat tissues. 032336

PYRIMIDINE
The induction of *pyrimidine* **dimers** in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces cerevisiae [Yeasts]. 036557
Changes in the *pyrimidine* **nucleotide** DNA isopliths of the haemopoietic system of gamma-irradiated animals [Rabbits]. 034167
Pathways of *pyrimidine* **salvage** in Drosophila melanogaster. 039943

PYROLYSIS
Yield of 1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose (levoglucosenone) on the **acid-catalyzed** *pyrolysis* of cellulose and 1,6-anhydro-beta-d-gluco-pyranose (levoglucosan). 035718
A thermogravimetric study of the *pyrolysis* of the **bark** and chemically-modified bark of Jack pine, Pinus banksiana Lamb. 037941
Pyrolysis of **chitin,** a potential tobacco extender. 032852
Calculating temperature criteria and determining temperature field in the *pyrolysis* of **pulverized** wood. 035803

PYROPHOSPHATES
Comparative specificity of **geranylgeranyl** *pyrophosphate* synthetase of Micrococcus lysodeikticus and pumpkin. 037763
Renaturation of yeast [Saccharomyces cerevisiae] **inorganic** *pyrophosphatase* denatured in urea and guanidine hydrochloride. 037018

PYROPHOSPHORYLASE
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP [uridine **diphosphate]-glucose** *pyrophosphorylase* activities associated with rage of potatoes. 037814

PYRROLIDINE
Pyrrolidine, **piperidine,** and pyridine alkaloids [Plants]. 036744

PYRROLIDONE
Stabilization of wine materials with insoluble **polyvinyl** *pyrrolidone.* 033461

PYRROLIZIDINE
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during *pyrrolizidine* **alkaloid** biosynthesis [in Senecio by double-isotope technique]. 037161
The *pyrrolizidine* **alkaloids** [Plants, butterflies]. 036749
Synthesis in the *pyrrolizidine* class of **alkaloids,** dl-supindine. 037067

PYRUVATES
Effect of calcium ions on *pyruvate* **carboxylase** from pigeon liver. 033794
Structural properties of *pyruvate* **carboxylases** from chicken liver and other sources. 034148
Studies on the regulation of *pyruvate* **dehydrogenase** in isolated beef heart mitochondria. 033767
Pyruvate **dehydrogenase** complex from brewer's yeast [Saccharomyces carlsbergensis]: regulation blythe carbon source. 037312
Regulation by *pyruvate* **kinase** and phosphatase of inorganic phosphate incorporation during photophosphorylation. 036970
A revised preparation of yeast (Saccharomyces cerevisiae) *pyruvate* **kinase.** 037019

PYTHIUM
Adaptation of *Pythium* **aphanidermatum** to thiram [Tomatoes]. 038646
Infection of *Pythium* **arrhenomanes** in vitro with tobacco mosaic virus and tobacco necrosis virus. 038946
Nutritionally conditioned virulence of *Pythium* **butleri** and susceptibility of tomato in causing damping-off. 038842
A comparison between host density and inoculum density effects on the frequency of primary infection foci in *Pythium* **[irregulare]-induced** damping-off disease [of garden cress seedlings]. 038576
A paper disc technique for the recovery of *Pythium* spp. From **soil** or water. 038750
Poinsettia root and stem rot control in 4-inch pots [caused by Rhizoctonia solani, *Pythium* **ultimum** and Thielaviopsis basicola]. 038977

QUACKGRASS
Quackgrass **[Agropyron** repens] and its control in oil plantsand seed fields. 039181

QUADRASPIDIOTUS
The situation in the San Jose **scale** *(Quadraspidiotus* perniciosus Comst.) areas of Baden-Wurttemberg twenty years after releasing Prospaltella perniciosi Tow. [Fruit pests,. 039373

QUAIL
Phytoestrogens: adverse effects on reproduction in **California** *quail.* 034803
A procedure for location and removal of the lachrymal and Harderian glands of avian species **[Chicken,** *quail].* 033863
Purification and properties of proteinase inhibitors from the albumin of the eggs of certain species of birds **[Chickens,** *quail].* 033119
Histochemical and biometrical comparison of the peroneus longus muscle and its innervation in Gallus gallus and Coturnix coturnix japonica **[Chickens,** *quail].* 033699
Survey of the methods for long term storage of poultry eggs. 8. Seasonal changes in interior quality of *quail* **(Coturnixconturnix** japonica) eggs from retail stores. 033134
Comparative study of Aujeszky's disease virus reproduction in cell and tissue suspensions of avian **embryos** *[quail].* 035278
Monoamine fluorescence in the median eminence of the **Japanese** *quail,* Coturnix coturnix japonica, following medial basal hypothalamic deafferentation. 033859
Incorporation of tritiated uridine during pachytene and diplotene stages in the oocytes of the **Japanese** *quail* (Coturnix coturnix japonica). 033894
Electrical stimulation of the hypothalamus and luteinizing hormone secretion in **Japanese** *quail.* 034054
The protective effect of vitamin E and selenium against methyl mercury toxicity in the **Japanese** *quail.* 034457
Mutant **Japanese** *quail* (Coturnix coturnix japonica) with marble plumage. 034628
Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, rat and **Japanese** *quail.* 034680
Plasma cells in the avian harderian gland and the morphology of the gland in the rook **[Poultry,** *quail].* 033854
Two new western Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California **vallley** *quail* [Culicoides multidentatus, Culicoides lophortygis]. 040003

QUARANTINE
Amnesty bins, a valuable adjunct to *quarantine* **inspections** [Animal and plant products]. 031946
Quarantine **[storage** period] for cattle semen reduced. 034563

QUARTZ
Quartz **oxygen** isotopic stability in relation to isolation from sediments and diversity of [soil] source. 040771

QUATERNARY
Control of binder migration in nonwovens—use of anionically dispersed binders and **cationic** *quaternary* amines [Colloidal stability of latexes]. 032914
A **new** *quaternary* ammonium compound with plant growth regulatory activity [Chrysanthemum morifolium]. 037693
Enzymes of pentose biosynthesis. The *quaternary* **structure** and reacting form of transketolase from baker's yeast [Saccharomyces cerevisiae]. 036781

QUEDIUS
Quedius **plancus** Er. (Coleoptera, Staphylinidae) in west Sussex. 040027

QUERCETIN
Investigation of *quercetin* **binding** sites on chloroplast coupling factor. 037647

Isorhamnetin & *quercetin* **glycosides** from Dodonea viscosa & Sapindus emarginatus. 036986

QUERCUS

Mineral nutrient pool and cycling in a Missouri *[Quercus* **alba,** carya] forest [Soils]. 040669
Effects of clearcutting *[Quercus,* **Carya,** Acer rubrum, Pinus] on the diversity of breeding birds. 035477
Demonstration of virus-like particles in sweet chestnut [Castanea savits] and oak *[Quercus* **cerris**] with leaf deformations in Hungary. 038945
Range extension for *Quercus* **dunnii** in Central California. 036055
Study of biomass and caloric value of the soil nematode population in hornbeam-oak [Carpinus, *Quercus]* **forest** in Bab. 040569
Quercus **ilex** L. Distribution in Umbria (Italy). 035960
Container grown tree seedlings **[Ornamental** *Quercus].* 038452
Correcting the chlorosis of pin oaks *[Quercus* **palustris,** iron deficiency diseases]. 039056
Study of nitrogenase activity in the mycorrhizal rhizosphere of pine and oak **[Pinus,** *Quercus].* 037889
Morphological and physiological characteristics of the apical meristem of the shoot of *Quercus* **robur** at various stages of ontogeny. 036331
Cellular analysis of the sigmoid curve of root growth *[Quercus* **robur].** 037906
In vitro culture of isolated roots of *Quercus* **robur** L. 037927

QUINAZOLINE

Quinoline, *quinazoline,* **acridone,** and related alkaloids [Plants]. 036745

QUINCE

Specificity of the hybrid offspring of apple **trees** and *quince.* 036657

QUINIC

Metabolism of *quinic* **acid** depsides in Lycopersicon esculentum Mill. [Tomatoes]. 037825

QUINOID

Quinoid **pigments** [found in all plant organs]. 036800

QUINOLINE

Quinoline, **quinazoline,** acridone, and related alkaloids [Plants]. 036745

QUINOLIZIDINE

The *quinolizidine* **alkaloids** [Plants, Coccinellidae]. 036750

QUINONE

Chromatographic isolation and spectral analysis of **polycyclic** *quinones* application to air pollution analysis. 041520

RABBITS

Long-term toxicity study of mycophenolic **acid** in *rabbits.* 035440
Long term effect of onion on experimentally-induced hypercholesteremia and consequently decreased fibrinolytic **activity** in *rabbits.* 035322
Changes in the pyrimidine nucleotide DNA isopliths of the haemopoietic system of gamma-irradiated **animals** *[Rabbits].* 034167
The digestive transit in the *rabbit.* IV. **Assay** on the mathematical modelling of the transfers of radioactive marker between the different digestive compartments. 033752
Oppositional effects of acetylcholine and isoproterenol on isometric tension and cyclic nucleotide concentrations in *rabbit* **atria.** 034050
Electron microscopy study of the development of neurovaccinia virus in *rabbit* **blood** leucocyte cultures. 035117
Sexual behaviour in **castrated** *rabbits* treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. 034672
Chemotactic effects of some staphylococcal substances **[Cattle,** *rabbits].* 035290
Milk secretion in the *rabbit:* **Changes** during lactation and the mechanism of ion transport. 034075
Pleural effusion disease in *rabbits.* **Clinical** and post mortem observations. 034954
Increase by visual stimuli in turnover of 5-hydroxytryptamine in the superior **colliculi** of the *rabbit.* 034074
Innervation of salivary glands, morphological **considerations** *[Rabbits].* 033953
Diurnal variations in composition of caecal **contents** in *rabbits.* 034242
Changes of peripheral leukocyte-counts by electrically induced **convulsion** in *rabbits.* 034082
On the role of noradrenaline in the regulation of muscle thermogenesis during **cooling** *[Rabbits].* 033901
Biosynthesis of basement membrane collagen by *rabbit* **corneal** endothelium in vitro. 034037
Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in **cultured** *rabbit* lens epithelium. 033766
Functional and fine structural relationships of parathyroid glands [Nutritional diseases, cows, **dogs,** *rabbits].* 033726
Gestation length in *rabbits.* **Effect** of aminoglutethimide phosphate, dexamethasone, pregnenolone and progesterone. 034663
A comparison of in-vitro fertilization of *rabbit* **eggs** using spermatozoa recovered from the uterus or vagina. 034677
The effects of prolactin and oxytocin on milk secretion and on the permeability of the mammary **epithelium** in the *rabbit.* 034079
Experimental atherosclerosis in *rabbits* **fed** cholesterol-free diets. 6. Skim milk powder. 035368
Secretory activity of the sexual apparatus in swine and *rabbit* **females** at the period of fertilization and early embryogenesis. 034812
Na+ and Cl- [sodium and chlorine ions] transepithelial routes in *rabbit* **gallbladder.** Tracer analysis of the transports. 034131
Metabolic interrelations of hydroxy-substituted ether-linked glycerolipids in the pink portion of the *rabbit* **Harderian** gland. 033764
The modern **housing** of *rabbits.* 033610
The effects of removal of sodium ions from the mucosal solution on sugar absorption by *rabbit* **ileum.** 033815
Effect of host's nutrition *[Rabbits]* on **immune** response to amoebic antigen & on susceptibility to infection with Entamoeba histolytica. 035075
Immunodiffusion and electrophoretic analysis of antigens from Strongyloides papillosus [obtained from **infected** *rabbits].* 035008
Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in *rabbits* **inoculated** with poliomyelitis, Coxsackie and encephalomyocarditis viruses. 035291
Action of growth hormone in vitro on the net uptake and incorporation into protein of amino acids in muscle from **intact** *rabbits* given protein-deficient diets. 032183
Furazolidone-pethidine **interaction** in *rabbits.* 033834
Coprophagy-dependent changes of the anaerobic bacterial flora in stomach and small **intestine** of the *rabbit.* 035289
Maintenance of plasma-derived proteins at much lower concentrations in the uterine lumen of the *rabbit:* a **kinetic** study of passage. 034686
Preliminary results on plasma progesterone levels during pregnancy and superfetation in the *hare,* **Lepus** europaeus. 034689
Evidence for an essential histidine residue in *rabbit* **liver** aryl sulfatase A. 033761
Control of *rabbit* **liver** fructose-1, 6-diphosphatase activity by magnesium ions. 034024
Purification and properties of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 reductase from *rabbit* **liver** microsomes. 034032
Effects on the growth of the *rabbit* of **L-lysine** and DL-methionine supplementation of simplified plant diets. 034290
A study of seasonally delayed puberty in the **male** *hare,* Lepus europaeus. 034678
Acidosis and level of **metabolism** *[Rabbits].* 033741
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH [melanocyte-stimulating hormone], and beta-lipotropin on calcium and phosphorus **metabolism** in the *rabbit.* 033885
The development of antisera to prostaglandins B2 and F2alpha and their analysis using solid-phase and double antibody radioimmunoassay **methods** *[Rabbits].* 035007
Purification of liver microsomal cytochrome P-448 from **3-methylcholanthrene-treated** *rabbits.* 034107
The distributions of the combinations of the sexes in mammalian litters [Pigs, *rabbits* and **mice].** 034623
Secretory potentials in cat, *rabbit* and **mouse** salivary glands. 033959
Some structural features of *rabbit* **muscle** aldolase as derived from its limited proteolysis. 033703
Influence of intermittent long-term stimulation on contractile, histochemical and metabolic properties of fibre populations in fast and slow *rabbit* **muscles.** 034130
Catecholamine sensitive adenylate cyclase activity in different **segments** of the *rabbit* **nephron.** 034123
A note on the retention of energy and **nitrogen** in *rabbits.* 033739
Reproductive performance of *rabbits* on **organic** and inorganic **leys.** 034791
Effect of dl-norgestrel (13beta-ethyl-17 alpha-ethynyl-19-nortestosterone, Wy3707) on the reproductive **organs** of *rabbit.* 033974
The effects of indoleamines (serotonin and melatonin) on induction of **ovulation** in *rabbits.* 034543
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in *rabbit* **pancreas.** 033812
Development and cytodifferentiation of the *rabbit* **pars** intermedia. I. Fetal and perinatal stages. 033858
Effect of osmotic pressure on spontaneous afferent discharge in the nerves of the **perfused** *rabbit* liver. 034126
Preliminary observations on the permeability of submandibular glands to horseradish **peroxidase** in *rabbits.* 033941
The use of radioactive microspheres to quantitate hyperemia in dermal inflammatory sites [Guinea **pigs,** *rabbits].* 034157
Carbohydrate compositions of the *rabbit* **plasminogen** isozymes. 033759
Patho-physiological studies on microcirculatory disturbance in inflammation: Isolation and characterization of vascularpermeability factors derived from guinea pig PMN **[polymorphonuclear]-leukocytes** *[Rabbits].* 035304
To **protect** *rabbits* against myxomatosis infection. 035002
Reproduction and teratological studies with 1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) in the **rat** and *rabbit.* 035445
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal chromaffin granules [Cattle, *rabbits,* **rats].** 034118
Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, **rats,** and *rabbits.* 035432
Rabbit **rearing** in Hungary: vocational occupation with export possibilities. 033657
The present situation and perspective of *hare* **rearing** in Slovakia. 033658
Influence of the visual cortex upon collicular evoked **responses** in the *rabbit.* 033895
Evidence for electrogenic sodium pumping in the ductal epithelium of *rabbit* **salivary** gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
Uteroglobin-like antigen in the male genital tract **secretions** *[Rabbits].* 033861
Local regulation of the uterine blood flow by the umbilical circulation **[Sheep,** *Rabbits].* 034153
The effects of vagotomy on ventilation and blood gas composition in dog, **sheep** and *rabbit.* 034165
Developmental changes in the structure and kinetic properties of myosin adenosinetriphosphatase of *rabbit* **skeletal** fast muscle. 034025
Studies on artificial insemination of *rabbits* with **special** reference to thinning and preservation of semen. 034579
Origin of antibody-dependent, lymphoid-cell-independent hemolytic plaques in *rabbit* **spleen** cell cultures. 035190
Cation and anion permeability of *rabbit* **submaxillary** main duct. 033932
Spontaneous secretion in the *rabbit* **submaxillary** gland. 033942
Transformation and excretion of drugs in biological systems. XI. Renal excretion mechanisms of **sulfonamides** in *rabbits.* 033862
The growth of muscle following **tenotomy** *[Rabbits].* 033998
The oxytocin-inactivating activity of the *rabbit* **testes** homogenates. 034589
Effect of oxytocin injection on the *rabbit* **testis** homogenate oxytocic activity. 034587
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates *[Rabbit* **ticks,** Haemaphysalis leporis-palustris]. 039492
Proton magnetic resonance study of **troponin-C** *[Rabbits].* 033898
Cellular contacts in the synovial membrane of the cat and the *rabbit:* an **ultrastructural** study. 033856
Isolation and characterization of a sulfated glycoprotein from *rabbit* **uterus.** 034027
Changes of volatile fatty acids and riboflavin in cecal contents of *rabbit* in the in **vitro** fermentation. 034087
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, **wheat,** *rabbits].* 036819
Effect of calcitonin on DNA synthesis in experimental **wounds** *[Rabbits].* 035433
Copper and iron content of tissues of **X-irradiated** *rabbits* [Radiation, injuries]. 035436
The effect of low-calcium diet and vitamin D3 on acid-base balance in **young** *rabbits.* 032164

RABIES

Symptoms of *rabies* in **[domestic]** animals. 035215
Demonstration of antibodies against *rabies* by the **indirect** immunofluorescence method. 035224
Nonlethal *rabies* of dogs. 035249
Examination and occurrence of *rabies* in the **territory** of Czechoslovakia in the years 1969-1973 [Foxes, dogs, cats]. 035225
The efficacy of Candivac SHL against distemper, canine viral hepatitis, leptospirosis, and *rabies* **tested** in dogs. 035140
Experimental study of a *rabies* **vaccine** from sheep brain tissue inactivated with ultraviolet rays. 035282
Study of the antigenic relationship between various strains of the *rabies* **virus** group. 035284
1974 review of *rabies* **[Zoonoses].** 034974

RACE

Resistance of indigenous and exotic barley varieties to *races* of **black** rust (Puccinia graminis). 038661
Selection of Armenian yellow bees [Apis mellifera, **breeding,** *races].* 040277
Influence of some hormones on the oxygen consumption in leucocytes of different **cattle** *races* and hybrids. 034617
Creation of wheat varieties in relation to the dynamics of the *racial* **composition** of brown rust [Resistance breeding]. 038828
Identification of the *races* of **Fusarium** oxysporum f. Sp. Melonis causing wilt of muskmelon in California. 038767
Adaptations of chironomids [Chironomidae] to intertidal environments **[Geographical** *races* and speciation]. 039616
On the delay of intraventricular conduction in the *race* **horse**—discussion of its pathogenesis and causes. 035300
Host *races* of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: Trichodectidae) [New taxa]. 039513
The people—food [supply] *race,* and **how** to win it. 031932

Reaction of diallel crosses of maize in T and N cytoplasms to Bipolaris **maydis** *race* T [Breeding for disease resistance]. 038599
A study on wheat powdery mildew in Bulgaria. II. **Physiological** *races* of wheat powdery mildew (Erysiphe **graminis** D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607
Survey of the regional Gossypium hirsutum L. **Primitive** *race* collection for flowerbud gossypol [Breed for resistance to the cotton bollworm, Heliothis virescens]. 036391
Differentiation of the *races* of loose **smut** of wheat according to proteins of chlamidospores [Ustilago tritici]. 038800
A comparative study of *races* of **stem** rust [Puccinia graminis tritici] of wheat: relation of temperature as a factor governing their prevalence. 038642
New **virulent** *races* of perenosporosis [Peronospora tabacina]of tobacco. 038805

RACHITIS *see* **RICKETS**

RADAR
A technique for acquiring ground-truth rainfall data with which to **calibrate** *radar* measurements. 041294

RADIAL
Use of **increased** *radial* areas relative to sawing larch wood by the method of sawing through and through without first slabbing. 035827
The matter of *radial* **land** settlement in the Hannover Wend area [History]. 031188
The question of *radial* **land** settlement in western East Germany [History]. 031190
The *radial* **matter** as a problem of the map of the form of historical [land] settlement of Mecklenburg and Pomerania. 031191
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, clustered village and *radial* **settlement** [History, USSR]. 031180
A *radial-strain* **tester** for measuring stress-strain behavior of low-modules textiles [Cotton]. 033158
Determining **total** *radial* reactions to wheels of the logging truck, including hardness of suspension and tires. 035806
Problem of the formation and age of *radial* **villages** in eastern Lower Saxony [Land colonization, history, Slavs]. 031183
The **Wendish** *radial* village [Land settlement, history]. 031192

RADIATION
Cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and *radiation-induced* **chromosome** mutations [Onions, broadbeans]. 036667
Effect of caffeine on *radiation* **damage** in wheat with different ploidy. 036396
Radiation **doses** from iodine-129 [isotope] in the environment. 041524
Modification of the *radiation* **effect** by different factors in ageing seeds of broadbeans (Vicia faba L.). 037410
Extending the shelf-life of garlic by **gamma** *radiation*. 033382
Radiation-induced **increased** melanosis in crustacean shellfish [Shrimp, lobster]. 032902
The timing of pre-meiotic chromosome pairing and duplication in Glossina morsitans morsitans assessed by *radiation* **induced** mutations. 039688
Action of radiation given prior to and in the process of incubation on the growth and development of embryos and chickens and oviparity of hens *[Radiation,* **injuries].** 034166
The action of small radiation doses on spermatogenesis [Dogs, *radiation* **injuries].** 034792
A comparative evaluation of bone marrow haemopoiesis in the breast bone and iliac bone of dogs after uneven irradiation with protons of doses varying inside the organism *[Radiation* **injuries].** 035435
Copper and iron content of tissues of X-irradiated rabbits *[Radiation,* **injuries].** 035436
Thrombocytes and coagulation of blood in cows affected by a mixture of nuclear fission products *[Radiation* **injuries].** 035438
The effect of caffeine on the survival and recovery of irradiated yeast cells *[Radiation,* **injuries].** 037250
On the part played by tocopherol in *radiation* **injury** in Pisum sativum [Peas]. 039055
The use of visible and **invisible** *radiation* lamps in agriculture. 040331
Molecular mechanisms of stimulating effect of **ionizing** *radiation* on seeds: Activation of RNA synthesis [Castorbeans]. 037249
The effect of **ionizing** *radiation* CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), xylophagous Eucalyptus borer. 039402
On the possible development of radio-resistance in Sitophilus oryzae (L.) following exposures of successive generations to **ionizing** *radiation*. 039432
Induction of CMS [cytoplasmic male sterility] in cotton by means of *radiation-induced* **mutagenesis.** 036520
Action of *gamma-radiation* on the **nucleotide** composition of tRNA of cotton. 037550
Radiation-induced **numerical** aberrations in wild type Drosophila females. 039883
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). V. *Radiation* **penetration** theory and a test case. 037914
Action of *radiation* given **prior** to and in the process of incubation on the growth and development of embryos and chickens and oviparity of hens [Radiation, injuries]. 034166
The *radiation-resistant* **red** bacterium [Pseudomonas radiora]from rice. 038863
The action of **small** *radiation* doses on spermatogenesis [Dogs, radiation injuries]. 034792
Adaptation of local and acclimatized cattle breeds to high temperatures and **solar** *radiation*. 034178
Use of **solar** *radiation* for agricultural production. 040367
Suspended sediment, **solar** *radiation* and heat in agricultural reservoirs. 041394
Radiation **stimulation** of seeds [of field crops and vegetables]; results of five years of experimentation. 037462
Temperature-dependence of repair of **sublethal** *radiation* damage in Drosophila [melanogaster]. 039905
The effects of *X-radiation* on **Taenia** pisiformis [Dogs]. 035096
Two mutations which confer **temperature-sensitive** *radiation* sensitivity in the yeast Saccharomyces cerevisiae. 037127
Bone and bone marrow spaces in dosimetry of beagle skeletons [Dogs, *radiation* **toxicity].** 035410
Nitrogen and carbohydrate exchange in poultry treated with **ultraviolet** *radiation*. 034237
Studies on the use of artificial **ultraviolet** *radiation* in farrowing houses [Swine sanitation]. 034926
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, **ultraviolet** *radiation* and caffeine on Dictyostelium discoideum [Fungi]. 037126
Effect of far and near **ultraviolet** *radiation* on DNA content in Dunaliella salina Tood [Algae]. 037322

RADICALS
The interaction of **2,6-disulphoanthrachinone** *radical-anions* with the ions of transitive valency metals [Phytopathology]. 039060
Role of geometrical structure of **fatty-acid** *radicals* in dehydrated castor oil in its reaction with styrene. 032859

RADICLES
Study of malate dehydrogenase and glutamate dehydrogenase activity in **maize** *radicles* after treatment with gamma rays. 037465

RADIO
Experiences with and instructions on, the erection and operation of very high **frequency** *radio* networks [Agriculture]. 040422
On the possible development of *radio-resistance* in **Sitophilus** oryzae (L.) following exposures of successive generations to ionizing radiation. 039432

RADIOACTIVITY
Translocation of foliar **applied** *radioactive* [fungicide] nickel in wheat plants. 038718
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of *radioactivity* into **blood** plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon l4 [isotope]-leucine and. 034303
Entrance of 90 Sr [strontium isotope] into meadow grasses from different soils of the Nonchernozemic zone *[Radioactive* **contamination].** 033567
Prognosis of cesium 137 [isotope] migration in soils *[Radioactive* **contamination].** 040739
Soil chemistry and accumulation by roots of artificial radionuclides in crop yields *[Radioactive* **contamination].** 040743
Some problems of chemistry of natural and artificial radionuclides in soils and their accumulation by crops *[Radioactive* **contamination].** 040744
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, *radioactive* **contamination].** 040877
Distribution of plutonium in soil particle size fractions of liquid effluent-receiving areas at Los Alamos *[Radioactive* **contamination].** 041605
Effects of *radioactive* **iodine** on cotton seeds. 037596
The digestive transit in the rabbit. IV. Assay on the mathematical modelling of the transfers of *radioactive* **marker** between the different digestive compartments. 033752
The use of *radioactive* **microspheres** to quantitate hyperemia in dermal inflammatory sites [Guinea pigs, rabbits]. 034157
Protection against the *radioactive* **pollution** of plants. 039048
Protection of the waters in North Rhine-Westphalia from *radioactive* **pollution.** 041676
The cryptonephridial system in the mealworm Tenebrio molitor: transport of *radioactive* **potassium,** thallium and sodium; a functional and structural study. 039672
Study of the genetic effects induced in populations by *radioactive* **products** of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 [uranium isotope, algae]. 036691
Atoms contributing to bigger harvest *[Radioactive* **radiationof** seeds]. 037993
Reclamation of soils contaminated with *radioactive* **strontium.** 041190
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of *radioactivity* into **tissues** of the gastro-intestinal tract after intragastric administration of carbon l4 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of *radioactive* **tracers** into tissue proteins after intragastric administration of carbon l4 [isotope]-leucine and. 034303

RADIOBIOLOGY
Radiobiological **studies** in Triticum [wheat]. II. Response to chronic and acute gamma irradiation of 25 ditelocentric lines of wheat cv. Chinese Spring. 036482
Radiobiological **studies** in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of Triticum and Aegilops. 037404

RADIOCARBON
Natural *radiocarbon* measurements on humic substances in the light of carbon cycle estimates. 040630

RADIOGRAPHY
Radiographic **evaluation** of gastrointestinal tract in buffaloes calves by barium meal study. 033981
A **new** *radiographic* method of laboratory strain measurement in clays. 040581

RADIOIODINE
Thyroidal *radioiodine* exposure of the fetus [Animals]. 035412

RADIOISOTOPES
Retention of metals in sewage sludge. II. **Incorporated** *radioisotopes*. 041609
About the utilization of *radioisotope* **methods** and means in hydrotechnics and [soil] reclamation. 041252
Radioisotopes in **pesticide** research. VI. Review papers, general methods of analysis, insecticides. 039554
Radioisotope **studies** showing the role of phosphorus in the formation of a large molecular weight organic compound present in lake water. 041285

RADIOLOGY
The first report on the *radiological* **diagnosis** of thoracic diseases in large animals—a review of 140 clinical cases. 034899
Diagnostic *radiology:* its utilization in nonhuman primate medicine [Laboratory animals]. 034909
Radiological **interpretation** of bones [Dogs, cats]. 034902

RADIONUCLIDES
Soil chemistry and accumulation by roots of **artificial** *radionuclides* in crop yields [Radioactive contamination]. 040743
Some problems of chemistry of natural and **artificial** *radionuclides* in soils and their accumulation by crops [Radioactive contamination]. 040744
Comparative metabolism of *radionuclides* in **mammals.** IX. Retention of 75Se [selenium isotopes] in the mouse, rat, monkey and dog. 033909

RADIOSENSITIVITY
Radiosensitivity **aerial** bulbils of garlic [chromosome aberrations]. 036367
Radiosensitivity of **double** mutant haploids of yeast [Saccharomyces cerevisiae]. 036525
Effect of uvs1, uvs2 and xrs mutations on *radiosensitivity* and the **frequency** of induced mitotic recombination in diploid [Saccharomyces cerevisiae] yeast cells. 036515

RADIOSTRONTIUM
Effect of soil organic matter and of organic fertilizers on the mobility of *radiostrontium* and its **availability** to plants. 041095

RADISHES
Is clean soil still possible? [Plant diseases, **celery,** *radishes].* 039072
Diversity in the anionic peroxidase spectra of **linecross** *radish* hybrids. 036669
Intrapopulation variability of isozyme spectrum of peroxydases in varieties of inbred **lines** of *radish*. 036521
Manifestation of male sterility in autotetraploids derived from diploid **male-sterile** *radishes* (Raphanus sativus L.). 036583
Effect of pre-sowing gamma irradiation (60Co) [cobalt isotope] on yield development of earliest **red** *radish* (Raphanus sativus sub. var. radicula). 038226

RADIUM
Thicknesses of the deposits of plutonium and *radium* at **bone** surfaces in the beagle [Dogs]. 033914
Response of femoral and vertebral colony-forming units to 226Ra *[radium* **isotope]** internal contamination in mice [Toxicity]. 035434
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y *[radium-* and **strontium-yttrium** isotope]-labeled Beagle humeri [Dogs]. 033910

RADULA
Radula **collection** made by Dr. H. Inoue in Ceylon. 036040

RAFOXANIDE
Effect of *rafoxanide* **(Flukanid)** on sheep naturally infectedwith Fasciola hepatica. 035261

RAGIMILLET
Role of auxins in leaf spot incidence in *ragimillet* **incited** by Helminthosporium tetramera. 038712
Role of phenolics in leaf spot disease incidence in *ragimillet* **incited** by Helminthosporium tetramera. 038713
Possible mode of action of phenolics in inducing disease resistance in *ragimillet* **plants** against Helminthosporium tetramera. 038704

RAILROADS
Rail/ship **distribution** of fresh lettuce. 031669
Loading *railroad* freight cars with various lumber products. 035810
Who **needs** *rail* transportation? [Fresh fruits and vegetables]. 031673
Effectiveness of using **R24-type** *rails* [Logging, transport]. 035796
Railroad **tank** cars for transport of wine materials. 040533
Pointers in logging and sawmilling malabayabas [Dipterocarpus grandiflorus, Tristania decorticata] for *railways* **ties.** 035755
27th annual International Conference on Handling Perishable Agricultural Commodities "a challenge to the *railroads"* **[Transportation].** 031674

RAIN
Rainfall **erosion** index of Bangalore agro-climatic area. 041174
A technique for acquiring **ground-truth** *rainfall* data with which to calibrate radar measurements. 041294
Mechanized direct-seeding of rice adapted to **heavy** *rainfall* condition in southeastern Japan. 038052
The investment requirements of *rain-plants* in the **irrigation** systems at Kiskore. 031462
Sulphur received in *rainfall* and **leached** from a yellow brown loam. 041017
Effect of harvesting stage on cereal and legume forage production in **low** *rainfall* regions. 038047
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the *rain* and in **pools** on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
The relation of *rainfall,* **relative** humidity and temperature to late blight [Phytophthora infestans] of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Mechanisms of soil erosion by *rain* and the actual **results** of their analytical evaluation. II. 041163
Analysis of **Taiwan** *rainfall* data. 3. 041430
No interventions in the **tropical** *rain* forest [Conservation]. 035569
Micrometeorology and assessment of primary production of a **tropical** *rain* forest in West Malaysia. 037930
Effect of fertilization on yield and composition in different potato varieties. III. Effect of fertilization and *rainfall* on **tuber** number per plant and its correlation with yield in different potato varieties. 041021
Deep breaking up of compacted soils, affected by successive surplus and shortage of *rain* **water.** 041192

RAINBOW
ARA's **nutrition** *rainbow* leads school lunch to gold. 032544
Prolonged oral administration of methyl mercury chloride to *rainbow* **trout** (Salmo gairdneri) fingerlings. 039345

RAMALINA
Some *Ramalina* **species** with punctiform pseudocyphellae in East Africa [Lichens]. 036089
New Lichens, [in Lecanora, *Ramalina* and **Usnea**] whose isotype will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the Botanical Institute of the Czechoslovak Academy of Sciences]. 036013

RAMAN
Infrared and *Raman* **spectra** [for identifying organic compounds] of maltooligosaccharides [in cereals]. 033204

RAMBOUILLET
Factors influencing growth and reproduction in *Rambouillet* and **Florida** native sheep. 034594

RAMS
Seasonal variations in the response of the testis and LH [luteinizing hormone] levels to hemicastration of **adult** *rams.* 034693
Regulation of gonadotrophin secretion in *rams* from **birth** to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in *rams* from **birth** to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
The effects of high tris, low glycerol and low tris, high glycerol on **frozen** *ram* spermatozoa. 034799
On the evaluation of *ram* **genotype** with regard to the quality of the offspring as a result of interbreeding of sheep. 034811
Preparation of *rams* for the **mating** campaign on distant pastures. 034853
Comparison of neutral proteinase activities in cock and *ram* **spermatozoa** and observations on a proacrosin in cock spermatozoa. 034681

RAMULARIA
Histopathology of fennel [Foeniculum vulgare] infected by *Ramularia* **foeniculi.** 038653

RANA *see* FROGS

RANGELAND
The diets of cattle and **deer** on *rangeland.* 034352
Erosion [on *rangeland,* **forests** and cropland] and sediment yield [to reservoirs] in New Mexico. 041179
Applicability of some infiltration formulae to *rangeland* **infiltrometer** data. 038051
The significance of remote sensing techniques for agricultural, forestry, and *rangeland* **management.** 031120
Economic and environmental impacts of sagebrush [Artemisia]control on **Utah's** *rangelands* —a review and analysis [Costs]. 039178
Sediment sources and yields from sagebrush [Artemisia] *rangeland* **watersheds.** 041383

RANGES
Proposals on the classification and nomenclature of *ranges* **[Biogeographical** regions, entomology]. 040072
Report by Bureau of Land Management on *range* **conditions** and grazing in Nevada. 031164
Range management in the central and southern Rocky Mountains: a summary of the state of our knowledge by *range* **ecosystems.** 038175
Range **extension** for Quercus dunnii in Central California. 036055
Ecology and management of Southwestern semidesert **grass-shrub** *ranges:* the status of our knowledge. 038173
Host *range* of the black cutworm [Agrotis ipsilon] on vegetables: a bibliography. 039322
Range **management** in the chaparral type and its ecological basis: the status of our knowledge. 038174
Range **management** in the central and southern Rocky Mountains: a summary of the state of our knowledge by range ecosystems. 038175
Difficult market situation today—but good long *range* **perspectives** [Forest products]. 035843
Some problems of *long-range* **planning** in forestry. 035625
Normapolles pollen from the Mississippi embayment. Taxonomy and **stratigraphic** *ranges* of Normapolles genera and species found in Mississippi embayment rocks [New taxa]. 036020
The long *range* **transport** of sulphur dioxide [Air pollution]. 041491
Long *range* **transport** of toxaphene insecticide in the atmosphere of the western North Atlantic [Pollution]. 041617

RANUNCULACEAE
Evolutionary and ecological relationships between Aquilegiaformosa and Aquilegia **pubescens** *(Ranunculaceae),* two perennial plants. 036487

RAPE
Varieties of **autumn** *rape.* 038169
Can the cabbage leaf louse be controlled on **autumn** *rape?* [Diaeretiella rapae, biological control]. 039303
In vitro production of plants from pollen in Brassica campestris **[Bird** *rape,* plant breeding]. 036408
Enhance brown sarson **[bird** *rape]* yields in drylands. 038028
Genetic improvement of oil quality of *rape* **(Brassica** napus L.). 036639
Influence of the presence of *rape* **cake** in the chicken feed on egg laying performances. 034392
New quality requirements for *rape* **[Common** Market]. 032105
Use of ethylenimine in **forage** *rape* breeding. 036658
Activity of copper-proteid oxidases as an indicator of copper supply in plants **[Oats,** *rape].* 037497
Analysis of *rape* **oil.** 033287
Use of *rape* **oils** and lard in [leather] lubrication blends [Properties]. 032778
Rape **problems** at the IV International Congress in Giessen [as source of oil and high-protein feed]. 038096
The value of *rape* **protein** for human consumption. 032460
Fatty acid composition of *rape* **seeds** from Upper Austria. 033301
Breeding for low content of glucosinolates in *rape* and **turnip** rape [Analysis]. 033299
Yellow-seeded rape and **turnip** *rape.* II. Breeding for improved quality of oil and meal in yellow-seeded materials. 036701
Recent history of the improvement of *rape* **[Varieties].** 037945
Yellow-seeded *rape* and turnip rape. II. Breeding for improved quality of oil and meal in yellow-seeded materials. 036701

RAPESEED
Genetical and physiological investigations on mutants for polyenoic fatty acids in *rapeseed,* **Brassica** napus L. I. Selection and description of new mutants. 036718
Maximum dietary level of **detoxified** *rapeseed* meal for the rat. 032293
Using *rapeseed* **meal** as a feed ingredient for pigs. 034253
Beneficial effect of zinc supplementation in young rats fed protein concentrate from *rapeseed* or **mustard.** 032404
New varieties of *rapeseed* as a **source** of proteins. 033222
Comparison of oxalic acid and phosphoric acid as degumming agents for *[rapeseed,* **soybean]** vegetables oils. 033254
Femur zinc, magnesium, and calcium in rats fed **Tower** *rapeseed* (Brassica napus) protein concentrate. 032410

RAPHANUS
Effect of pre-sowing gamma irradiation (60Co) [cobalt isotope] on yield development of earliest red **radish** *(Raphanus* sativus sub. var. radicula). 038226
Manifestation of male sterility in autotetraploids derived from diploid male-sterile **radishes** *(Raphanus* sativus L.). 036583

RAPHIA
Raphia **palms:** the production of piassava in Nigeria [Oil, fiber, exports]. 031703

RAPHIDIA
Taxonomy of *Raphidia* **(Iranoraphidia** n. Sgen.) Wittmeri Asp. And Asp. (Neuroptera, Raphidioptera, Raphidiidae). 040161

RAPHIDIIDAE
Taxonomy of Raphidia (Iranoraphidia n. Sgen.) Wittmeri Asp. And Asp. (Neuroptera, **Raphidioptera,** *Raphidiidae).* 040161

RAPHIDIOPTERA
Taxonomy of Raphidia (Iranoraphidia n. Sgen.) Wittmeri Asp. And Asp. (Neuroptera, *Raphidioptera,* **Raphidiidae).** 040161

RASPBERRIES
Investigations on the biological features of **eight** *raspberry* varieties under the Troyan microregion conditions. I. Dynamics of growth. 037722
In vitro culture of ovaries of Rubus *[raspberry]* **species.** 038222
Quality control of the 1975 wild mushroom and berry crops in the Bavarian Forest—characteristics of **wild** *raspberry* juices. 032049

RATIONS
Big gain in weight of lambs submitted to intensive fattening, led to intensive fattening, fed with **adequate** *rations.* 034484
Influence of length of feeding period, *ration* and **breed** on steer growth rate. 034445
Tuber meals as carbohydrate sources in **broiler** *rations* [chickens]. 034378
Effect of different types of *rations* on some **characteristics** of the ruminal and intermediary metabolism in sheep. 1. Formation of volatile fatty acids. 034305
Different levels of nitrogen in the ration for wool production from Rahmani lambs. I. Effect of *ration* **containing** high quality roughage with different levels and sources of nitrogen on wool production and characteristics. 034264
Soaking of complete **fattening** *rations* high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on nutritional value [Cattle]. 034275
Protein quality of rumen bacterial preparations from cattle **fed** *rations* of different roughage content. 034171
Results of studies investigating the chewing and ruminating activity of cows **fed** *rations* of differently processed straw or straw treated with liquid sodium hydroxide. 034313
Increasing the protein nutritive value of **[feed]** *rations.* 033558
Partial replacement of protein with carbamide in **feeding** *rations* and its effect on the concentration of free amino acids in the digestive tract of cattle. 034493
Choosing protein supplement for steer **finishing** *rations.* 034366
Use of poultry manures in steer **finishing** *rations.* 034417
Digestibility of **finishing** *rations* containing milled rice or corn [Beef cattle]. 034441
The influence of sodium acetate in *rations* for **finishing** beef cattle. 034448
A note on *rationing* of **growing** pigs according to **age.** 034272
Evaluation of "piegon grass" screenings as a component of *rations* for **growing-finishing** pigs. 034452
Egg thickness as affected by calcium level in laying **hen** *ration.* 034536
Studies of different levels of protein in **layer's** *ration* [Chicks]. 034267
Digestibility of *rations* made of **maize** plants and poultry manure [Sheep]. 034526
The effect of the level of concentrates in the *ration* on **milk** yield and composition in buffaloes. 034268
Cassava as a total substitute for cereals in livestock and **poultry** *rations.* 033517
Effect of age and sex on growth rate of beef cattle fed high **roughage** *rations.* 034442
A comparison of *rations* for **suckling** lambs on heavily stocked permanent pastures. 034464
Different levels of nitrogen in the *ration* for **wool** production from Rahmani lambs. I. Effect of ration containing high quality roughage with different levels and sources of nitrogen on wool production and characteristics. 034264

RATOON
Sugarcane: heat treatment for control of *ratoon* **stunt** [Xanthomonas]. 038854

Effectos on the soil of mechanical cultivation and fertilizer levels applied to **sugarcane** *ratoons.* 040571
Ideal number of leaves for foliar diagnosis of **sugarcane** *(ratoons).* 040893

RATS

The effect of 5-formyltetrahydrofolic acid on pyrimethamineinduced congenital **abnormalities** in the *rat.* 035370
Mycotoxin induced developmental **abnormalities** *[Rats].* 035415
Effect of accute infection and endotoxemia on zinc **absorption** in the *rat.* 032451
Effect of the excessive feeding of dietary amino **acids** in *rats.* 032335
Late effect of premature weaning on blood cholesterol levelsin **adult** *rats* [Diet]. 032414
Metabolism of A cobalt 58 [isotope]-tagged vitamin B12 in normal and fasting **albino** *rats.* 032494
Determination of residues of BHC [bensene heychloride] components in different tissues of **albino** *rats.* 039532
Oxidative conversion of vitamin A in *rats* with different **allowances** of it. 032496
Utilization of iron from enriched wheat bread by normal and **anemic** *rats.* 032198
Effect of zinc depletion on glucose tolerance *[Rats,* **animalnutrition**]. 034308
Disturbances of the methionine metabolism in the presence of vitamin B12 deficiency in **animals** *[Rats].* 032178
The effect of the vitamins A and E on the amino acids composition of proteins in different segments of the brain in old **animals** *[Rats].* 032500
Salmonella enteritidis infection in *rats:* **antigens** involved in cell-mediated immunity. 035000
Cellular energy dependent agglutination of *rat* **ascites** tumor cells mediated by concanavalin A and Ricinus communis agglutinin. 036809
Ether lipid metabolism: incorporation of O-Hexadecyl ethanediol into *rat* **brain** lipids. 033795
Dissociative effects of selective lesions in the caudate nucleus of **cats** and *rats.* 033706
Distribution of type A and B monoamine oxidase activities in the central nervous system of *rat* and **chick.** 033889
Acid phosphatase in the spleen of bacteria free and **conventional** *rats.* 035288
Field studies of systemic insecticides. I. Evaluation of phoxim for control of fleas [Polygenis gwyni] on **cotton** *rats.* 039477
Toxic and dystrophic manifestations in *rats* on a **diet** with high salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
Energetics of a host-parasite system: a preliminary report [Hymenolepis **diminuta,** *rats].* 035091
The effect of endotoxin upon retention and intracellular liver **distribution** in *rats.* 035431
The metabolism of cimetidine in the *rat,* **dog** and man. 034212
Drug metabolism and hepatic heme proteins in the vitamin **Edeficient** *rat.* 032179
The invivo effects of phytohemagglutinins on ATPase [adenosine triphosphatase] and fumarase **enzymes** in the *rat.* 034197
Proteinases in *rat* **epididymis** & testis. 033971
Lactate dehydrogenase and isoenzyme changes in *rats* with **experimental** thiamine deficiency. 032387
Resistance to ketosis during prolonged fasting by *rats* **fed** on a diet containing undecanoic acid, an odd-carbon-number fatty acid. 032186
Effect of folic acid on serum and liver cholesterol in *rats* **fed** casein at two levels. 032337
The time-course of changes in mucosal architecture and epithelial cell production and cell shedding in the small intestine of the *rat* **fed** after fasting. 032364
Femur zinc, magnesium, and calcium in *rats* **fed** Tower rapeseed (Brassica napus) protein concentrate. 032410
Absorption and incorporation of tracer-labelled amino acids in *rats* **fed** with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of tracer-labelled amino acids in *rats* **fed** varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Relationship between the quality of dietary proteins and the functional state of the adrenal cortex. 4. Variations in the content of transcortin, free corticosterone and total corticosterone in the blood plasma of *rats* **fed** proteins of varying quality. 034311
Relationships between the quality of dietary proteins and the functional state of the adrenal cortex. 5. Content of corticosterone and cortisol in the liver and in the mucosa of the small intestine of *rats* **fed** with proteins of varying quality (estimation of the binding capacity for corticsteroids). 034312
Immunodepressant action of some pesticides with different conditions of animal **feeding** *[Rats].* 039598
Dietary protein, fat, and minerals in nephrocalcinosis in **female** *rats.* 032385
Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen RU2858 on sexual differentiation in the neonatal **female** *rat.* 034668
Appearances of microtubules [of Nephrotoma saturalis and *rats]* after various **fixative** procedures, and comparison with the appearances of tobacco mosaic virus. 039824
The influence of polychlorinated biphenyl compounds on hepatic **function** in the *rat.* 035408
Gestational dietary methionine level effects on performance and methionine-load response in three **generations** of *rats.* 032411
Modification of iron and copper metabolism by dietary starch and **glucose** in *rats.* 032415
Follicular population and body weight in relation to genetic differences in ovarian response to **gonadotropin** in *rats.* 034662
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and protein metabolism in the blood serum and upon the body composition of **growing** *rats.* 034307
Utilizaton of adenosine for nucleotide synthesis in the erythrocytes of some animals [Dogs, *rats,* **guinea** pigs, hens]. 034034
Organ and interacellular localization of short-chain acyl-CoA synthetases in *rat* and **guinea-pig.** 033808
Effect of different bathing media on the short-circuit current across the intestine of the *rat* and **guinea-pig.** 033891
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of **hemopoiesis** [in *rats].* 034169
Metabolism of 3-amino-1,2,4-triazole **[herbicides]** in *rats.* 039100
In vitro synthesis of lipids in relation to some hematological indexes in *rats.* 1. **High** cellulose, low fat content in feed. 034528
Comparison of the biological effects in *rat* of **high** doses of two 4-amino-7-chloroquinoline derivatives chloroquine and glafenine. 035392
Do carbonylamine browning reactions [in food] occur in vivo? [Tests with *rats* and **human** plasma]. 032340
On Rhipicephalus ticks of Gujarat, together with a description of a new species—rhipicephalus arakeri from a common **Indian** *rat.* 040125
Effects of zinc deficiency on the **infant** *rat* which are associated with abnormal adult behavior. 032275
Studies on methionine imbalance in *rats* as **influenced** by supplementation of threonin, serin, glycine or glutamic acid. 034315
The history of the *rat* **inscribed** in the chromosomes. 034709
Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, *rat* and **Japanese** quail. 034680
Kinetic studies on *rat* **liver** and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
The effects of pregnancy and lactation on the activities in *rat* **liver** of some enzymes associated with glucose metabolism. 033816
Special features of Pi [phosphate] transport in pig heart and *rat* **liver** mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823
The subcellular distribution of 239Pu [plutonium isotopes] in *rat* **liver** parenchymal cells after exposure in vivo and invitro. 033913
Influence of the dietary protein deficiency on the protein synthetic activity of microsome and soluble fraction from muscle and **liver** of *rats.* 035297
The effects of various dietary levels of menadione and iron on hepatic catalase activity in *rats* **maintained** on a vitamin E deficient diet. 032320
Hepatic drug metabolizing enzymes and lipid peroxidation in young growing **male** *rats* during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Maximum dietary level of detoxified rapeseed **meal** for the *rat.* 032293
Determination of methionine requirements with 35S [sulfur isotope] methionine determined on the basis of **metabolic** *data[Rats].* 034304
Investigations on genetic constancy or subline drifting of inbred strains of *rats* and **mice.** 034872
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se [selenium isotopes] in the mouse, *rat,* **monkey** and dog. 033909
Comparison of free amino acids in blood serum of men and animals. 1. Man, *rat,* **mouse,** cock [chickens]. 034239
Estrous cycle and gastrin content of **mucosa** in *rat.* 034676
Retrograde transport of horseradish peroxidase in afferent and efferent neurons from masseter **muscle** in the *rat.* 034115
Observations on the oral administration and toxicity of vinyl chloride in *rats* [**Nutrition** and food research]. 032012
Utilization of 14C [carbon isotope]- labelled Escherichia coli by *rats* **[Nutrition].** 032191
Effect of anabolics on amino acid imbalance in short term experiments. IV. Effects of stanozolol on plasma proteins in *rats* **[Nutrition].** 032406
Iron-loading: effect on the activity of liver ribosomes in protein synthesis in *rats* [**Nutrition** study]. 032413
The effect of feeding frequency on the growth and composition of individual **organs** in the *rat.* 032188
Adenylate cyclase and phosphodiesterase in *rat* **pancreas.** 033930
Membrane potential and conductance measurements in mouse and *rat* **pancreatic** acinar cells. 033955
A Ca++ [calcium ions] ionophore A 23 187 simulating hormone and neurotransmitter action in the *rat* **parotid** and pancreas glands. 033947
Autonomic regulation of secretory activity and growth responses of *rat* **parotid** gland. 033948
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal **parturition** in *rats.* 034667
The kinetics of Na [sodium] transport in the isolated **perfused** *rat* submaxillary main duct. 033945
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and **peritoneum** of *rats.* 034109
Effect of chronic nicotine administration on the intestinal mucosal alkaline **phosphatase** in *rats.* 033970
Different regulation of hepatic ketogenesis during starvation in *rats* and **pigeons.** 033985
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal *[rats]* and **plant** [pea leaves] tissues. 034195
Effect of dietary vitamin E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in erythrocytes and **plasma** of *rats.* 032271
Effect of zinc supplementation on *rats* during **pregnancy.** 032409
Ferrihemoglobin and kidney lesions in *rats* **produced** by 4-aminophenol or 4-dimethylaminophenol. 035393
Storage of iron as ferritin in the liver of the **protein-deficient** *rat.* 034207
Reproduction and teratological studies with 1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) in the *rat* and **rabbit.** 035445
The different fatty acid composition of lecithins in the sacroplasmic reticulum vesicles and the membranes of adrenal chromaffin granules [Cattle, **rabbits,** *rats].* 034118
Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, *rats,* and **rabbits.** 035432
Redox state of the hepatic cells in *rats* **receiving** a diet containing 1,2-propanediol. 032497
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the *rat* **[Residues,** formamidine acaricide-insecticide, toxicity]. 039565
Physiological and psychological analysis of the acceptability of acute **rodenticides** by *rats.* 039020
Inhibition, by the anti-oestrogen MER-25, of defeminization induced by the synthetic oestrogen **RU2858** *[Rats].* 034670
Nutritional value of starchy food with addition of **soybeans** *[Rats].* 032453
Intestinal uptake by **starved-refed** *rats* of sugars derived from disaccharides and from their monosaccharide equivalents. 032412
Influence of dietary carbohydrate on copper, iron, and zinc **status** of the *rat.* 032452
Vitamin A: not required for adrenal **steroidogenesis** in *rats.* 032457
The effects of low-dose gamma-irradiation on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding **studies** using *rats.* 032189
Effects of luminal calcium on transport of Na [sodium] and K [potassium] by perfused main duct of *rat* **submaxillary** gland. 033935
Interaction of H+ [hydrogen] ions with active transport of Na+ [sodium] and K+ [potassium] across *rat* **submaxillary** duct epithelium. 033938
Vitamin A metabolism in *rats* **suffering** from hypobetalipoproteinemia. 032329
The feedingstuff potential of cashewnut scrap kernel meal *[Rats,* **swine].** 034370
Toxicity of antibiotics in animals under suboptimal conditions. III. Toxicity of animals affected by experimental **thyrotoxicosis** *[Rats].* 035394
Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and adipose **tissue** [in *rats].* 032200
The effect of protein deprivation and starvation on the rate of protein synthesis in **tissues** of the *rat.* 032180
Response of alanine, tyrosine & leucine aminotransferases to dietary pyridoxine & protein in *rat* **tissues.** 032336
Simple, rapid quantitative determination of lysine and arginine [in wheat flour and *rat* **tissues**] by thin-layer chromatography. 032343
Biological testing of food grown in the **Transkei** *[Rats].* 032010
Enzyme activity in kidney, adrenal and gonadal tissue of *rats* **treated** neonatally with androgen or oestrogen. 034055
Potentiation by urethane and inhibition by pentobarbitone of oxytocin release in **vitro** *[Rats].* 034056
Effect of artichoke (Cynara scolymus L.) extracts on urination and salt **voidance** of *rats.* 034886
Protein quality of two varieties of high lysine maize fed alone and with black beans or milk in normal and depleted **weanling** *rats.* 032306
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in **weanling** *rat* liver. 032405
The nutritional value of conophor seed (Tetracarpidium conophorum **Welw.)** *[Rats].* 034371
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by **white** *rats* [Mammalian toxicity tests]. 039564
Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in *rats* with **yeast** grown on pure n-paraffins [Industrial production of proteins]. 032013

Beneficial effect of zinc supplementation in **young** *rats* fed protein concentrate from rapeseed or mustard. 032404
Metabolism of L-leucine-U-14C [carbon isotope] in **young** *rats* fed excess glycine diets. 034252

RAVENELIA
Indian species of *Ravenelia*. I. On **Acacia** [Fungi]. 036027

RAVINES
Cultivated pastures on the slopes of *ravines* [**Soil** erosion control, tillage]. 041167

RAYS *see* **IRRADIATION**

REACTIONS
The sperm **acrosome** *reaction* and fertilization in the guineapig: a study in vivo. 034701
Influence of **adaptational** *reactions* of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) on its host Eulecanium caraganae. 039969
Connection of the **adaptive** *reaction* to the conditions of the arid zone with the type of the concentration of potassium in sheep blood. 034181
Adherence *reaction* between Cystocaulus ocreatus L. Sensitized in immune sera from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. 034980
Correlatin between activity of nitrogen mustards in **alkylation** *reactions* and their mutagenic activity on fungi [Aspergillus nidulans]. 036666
Sensitizing activity of plant radiotoxins [**Allergic** *reaction* in mice and guinea pigs]. 035437
The *reaction* of some **apple** rootstocks and variety + rootstock combinations to soil fatigue. 041142
Do carbonylamine **browning** *reactions* [in food] occur in vivo? [Tests with rats and human plasma]. 032340
Comparative study on **cellulose** *reaction* and on structure modifications of amylose. 035722
Use of **color** *reactions* to identify lipid classes [of plant origin], tocopherols including, by thin-layer chromatography. 037235
Intraspecific variability of *reactions* **controlling** the larval diapause in Calliphora vicina (Diptera, Calliphoridae). 039713
Reaction of **diallel** crosses of maize in T and N cytoplasms to Bipolaris maydis race T [Breeding for disease resistance]. 038599
Localization of *reactions* of the C-4 **dicarboxylic** acid cycle in cellular structures of assimilating tissues of the cornleaf. 037583
Differential *reaction* of Kentucky bluegrass [Poa pratensis] cultivars to the bluegrass billbug, Sphenophorus parvulus Gyllenhal. 039273
Studies on the constituents of Corydalis sps. XII. *Reaction* of **dihydroprotoberberine** type enamine with formaldehyde. 037076
Polyembryony in Kentucky bluegrass [Poa pratensis] as a source of variation in **disease** *reaction* [Drechslera triseptata, Erysiphe graminis]. 036302
Simultaneous and differential staining of spermatozoids and especially of the acrosome by the *reacting* **dyes** procion printing green B and procion brilliant red M8BS. 034609
Enzymes of pentose biosynthesis. The quaternary structure and *reacting* **form** of transketolase from baker's yeast [Saccharomyces cerevisiae]. 036781
Volatile heterocyclic compounds in the *reaction* of **glyoxal** with glycine [Food flavor]. 032855
Diagnostic effectiveness of passive **hemagglutination** *reaction* and antibody neutralization reaction in brucellosis. 035234
Hill *reaction* and delayed fluorescence in mutants of Gossypium hirsutum [Cotton]. 037442
Potentiometric investigation of kinetics of the **Hill** *reaction* as a function of ferricyanide concentration [Maize]. 037586
Heterogeneity of chlorophyll and activity of **Hill's** *reaction* in the presence of aftereffects of cobalt micronutrient fertilizers [Barley chloroplasts]. 037416
Enhancement of two **immune** *reactions* by vitamin A. 032277
Recognition and gene expression during the **incompatibility** *reaction* in Petunia hybrida L. 036590
Reaction **kinetics** for positive charge accumulation on the water side of chloroplast photosystem II [Spinach]. 037697
Stinging of man by the pavement ant, Tetramorium caespitum (L.) is painful and the *reaction* **lasts** for several days. 039466
Application of **Liebermann-Burchard** *reaction* to the unsaponifiable portion of milk lipids as a criterion for the quantitative determination of cholesterol in milk and milk products. 032992
Diagnostic effectiveness of passive hemagglutination reaction and antibody **neutralization** *reaction* in brucellosis. 035234
Reactions of **nitrous** acid and nitric oxide with porphyrins and haems. nitrosylhaems as nitrosating agents [Food additives, meats]. 031982
Nutrient *reactions* [Eutrophication]. 041558
A study of the photoperiodic reaction in the ant Myrmica rubra L. (Hymenoptera, Formicidae). I. Basic **parameters** of the *reaction*. 039724
Phenol *reaction* of Kentucky bluegrass (Poa pratensis) seeds. 037559
Nonenzymic browning. XIV. *Reaction* of **phospholipids** with 1,4-benzoquinone. XIV. Reaction of phospholipids with 1,4-benzoquinone. 032922
Formation of bulbs in bulb onion as affected by the **photoperiodic** *reaction* of varieties. 037851
A study of the **photoperiodic** *reaction* in the ant Myrmica rubra L. (Hymenoptera, Formicidae). I. Basic parameters of the reaction. 039724
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the **photoperiodic** *reaction* of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Primary *reactions* of photosystem II at low pH [hydrogen-ion conentration]. I. Prompt and delayed fluorescence [Spinach]. 037654
Reaction **products** of polyphosphates and orthophosphates with soils and influence on uptake of phosphorus by plants [Maize]. 041045
Effect of several antipyretic substances on experimentally induced **pyrogenic** *reaction* in sheep. 033882
Determining total **radial** *reactions* to wheels of the logging truck, including hardness of suspension and tires. 035806
Evidence for a new aluminium phosphate phase from *reaction* **rate** of phosphate with aluminium hydroxide [Soil fertility]. 041018
Relative *reaction* of different varieties of wheat to flag smut [Urocystis tritici] in Punjab. 038709
Skin *reaction* and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
Reaction of **soil** microflora [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. 040687
Reaction of **soybean** plants to the overmoistening of soil. 037575
The *reaction* of **spring** barley varieties to Selenophoma donacis [the cause of halo spot disease]. 038822
Role of geometrical structure of fatty-acid radicals in dehydrated castor oil in its *reaction* with **styrene**. 032859
Reaction of **sweet** potato varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
Investigation of the *reaction* of [**swine**] pepsin and pepsinogen with dicyclohexylcarbodiimide. 033826
Insect chemistry. III. Use of the photochemical NORRISH type I *reaction* to the **synthesis** of dihydroterpenediol secreted by the African monarch butterfly [Danaus chrysippus]. 039935
Reactions of **violaxanthine** cycle induced by high and lower beams of red light [Hydrangea hortensis]. 037708

REACTORS
An effective **ammonia** *reactor* for the continuous production of fire-retardant cotton fabrics. 031952

REAGENTS
Stimulatory processes of the exocrine pancreas and their inhibition by a non-penetrating **SH** *[sulfhydryl]-reagent*. 033961

REAPERS
The preparation of the cutter bar of *reapers* for **harvesting** lodged cereals. 040549

REARING
Opius dureseaui n. Sp. (Hymenoptera, Braconidae, Opiinae) *reared* on **Agromyza** frontella Rondani (Diptera, Agromyzidae). 040157
Experiences with *rearing* **beef** cattle in Hungary. 033635
Calf *rearing*. 033620
Study of esterified fatty acids in the blood serum and total content of fatty acids in the feces of **calves** *reared* on different types of feeding. 034224
Practice of barn disinfection in **cattle** *rearing*. 033647
Farms specializing in industrialized **cattle** *rearing*. 033688
Selecting peat for *rearing* **coniferous** container seedlings. 035644
Pale coloration in Aphis **fabae** *reared* on beans treated withthe plant growth regulator, ethylene-bis-nitrourethane. 039837
How chicken on Sunday became an anyday treat [**Feeding,** *rearing*]. 033693
Experiences from the **group** *rearing* of calves from birth to the end of the milk diet period. 034511
The present situation and perspective of **hare** *rearing* in Slovakia. 033658
A survey on spoilage of eggs and death of chickens during natural hatching and *rearing* by **hens**. 034646
An **intensive** *calf-rearing* unit. 033653
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the *rearing* and during the **laying** period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the *rearing* and during the **laying** period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Rearing of **Pachychrepoideus** vindemiae (Rond.) (Hymenoptera, Pteromaidae) on pupae of Drosophila species. 039906
Course of parturition and *rearing* **performance** of heifers of the Black Pied dairy cattle genotype based on Simmental cattle. 034830
Operative experiences on the new battery system of **piglet** *rearing*. 033596
Cutaneous heat exchanges of **piglets** *reared* in a tropical climate. I. Influence of climatic conditions and influence of the breed. 033748
Queen *rearing* [Apis mellifera, larvae, introduction]. 040221
Queen *rearing* [Apis mellifera]. 040222
Queen *rearing* [Apis mellifera]. 040223
Rabbit *rearing* in Hungary: vocational occupation with export possibilities. 033657
Influence of shifting age on the *rearing* **result** of calves in specialized farming. 033608
Decline of animal power and *rearing* of **solipeds,** mechanization of agriculture: For large scale production of meat horses, creation of meat type breeds. 034610
Decline of animal power and *rearing* of **solipeds,** mechanization of agriculture: Study of the ass (and its hybrids) for slaughter. 034611
Reproductive potency of **sows** *reared* as baby pigs by early weaning. 034863
Constructional design of the front walls of *rearing* **stalls** with large trough for sows with litter. 040317
Limits of profitability in **swine** *rearing*. 031452
Contemporary views of the organization of housing in industrial **swine** *rearing*. 033686
Measurement of cutaneous heat exchanges in **swine** *reared* under shelter by means of the energy balance method. 033751
Speicialized veterinary medicine in concentrated **swine** *rearing*. 034948
Barn disinfection in **swine** *rearing*. 035149
Activities of a specialized veterinary center on a large swine farm using the group **system** of *rearing*. 034938
Effect of the *rearing* **technique** from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young Campine Red Pied bulls slaughtered at 16-17 months. 033607
Some information on *rearing* of **turkey** hens. 033691
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the *rearing* of **young** hens as affecting performance characteristics in the laying period. 034319

RECEPTION
The importance of leaf orientation for **light** *reception* by sunflower plant. 037601

RECEPTORS
Gamma-aminobutyric **acid** *receptor* on vascular smooth muscle of dog cerebral arteries. 033835
Arthropod *receptor* optics. 039788
Beta-adrenergic *receptors* in vas deferens of guineapigs. 033968
The **glucocorticoid** *receptor*. 033779
Interaction of multiplication-stimulating activity with chick embryo fibroblasts demonstrates a **growth** *receptor*. 034112
Histamine *receptors* in the cat mesenteric circulation. 033893
Receptors for **insulin** and epidermal growth factor: relation to synthesis of DNA in cultured rabbit lens epithelium. 033766
Membrane-bound *receptors* for plant hormones [Maize]. 037594
Effects of estrogen on gene expression in chick oviduct: **nuclear** *receptor* levels and initiation of transcription. 034145
Cytoplasmic **oestrogen** *receptor* complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment [Sheep]. 034666
Studies of phage 1P *receptors* in **Rhizobium** trifolii and Rhizobium leguminosarum [Nodule bacteria]. 040554
Exposure by phospholipase A of *receptors* for **sheep** erythrocytes on human B cells. 034111
Frequency and direction **specific** *receptors* of Locusta migratoria. 039890

RECESSIVE
Extra-large Tribolium confusum: a new **autosomal** *recessive* mutant. 039653
Recession **brown** stain [Cytosora disease of Pinus ponderosa]. 035695
Mutagenic activity of cyclophosphamide, trofosfamide, and ifosfamide in Drosophila melanogaster. Specific induction of *recessive* **lethals** in the absence of detectable chromosome breakage. 039881

RECHARGE
Influence of vegetation covering on natural **groundwater** *recharge* as exemplified by the lysimeter system of Saint Arnold near Rheine (Westphalia). 041450

RECIRCULATION *see* **CIRCULATION**

RECLAMATION
The prospects of using aerial survey for the purpose of [land] *reclamation* and **conservation** of environment. 041156
Team contracting in [land] *reclamation* **construction** in Belorussia. 031299
Noninserted cast-iron pipes for *reclamation* **construction** works. 040359

The ways of economizing material and technical resources in *reclamation* **construction** [through mechanization and proper organization]. 040363
[Land] *reclamation* [by **drainage** and irrigation] and the international cooperation. 041279
Influence of different organic materials with and without rock phosphate and urea on *reclamation* of **highly** saline and alkaline soil. 041161
Investigations on the recultivation of grassland on wind—eroded soils of **Iceland** *[Reclamation].* 041146
Integrated *reclamation* [by irrigation] and farming of the future. 041258
Changes in the soil cover under the effect of *reclamation* [by **irrigation** and drainage]. 041254
The utilization of a system analysis in *reclamation* [by **irrigation** and drainage] and water management. 041278
Builders and **land** *reclamation* in [French] Guiana. 041148
Land *reclamation* [by irrigation and drainage] and the problem of stability of the farm production. 041263
Effect of *reclamation* and **management** on productivity and features of peatland meadows. 038214
Plant cover formation on *reclaimed* **meadows** in the Lyna river valley near Olsztyn. 036254
Alluvial process in *reclamation* of **meadows** in the Opatowka river valley. 038213
Occurrence and production potential of more important kinds of meadows in river valleys and their *reclamation* **needs.** 038215
New Upper Colorado [Environmental] Plant Center focuses on native **plants** for *reclamation.* 041201
Structural studies of a raw soil from the top layer of a gypsum **quarry** *[Reclamation].* 041212
Development of *reclamation* **requirements** in the transition to industrial crop production [Rostock District]. 041165
Difficulties in *reclamation* of **river** valleys with mineral soils (exemplified by the Mienia river). 041215
Research at Coolnakilla is important for one million acres of hill land **[Soil** *reclamation].* 041149
Conservation plant materials make good on 'moonscape' [Openpit mining, **soil** *reclamation].* 041199
About the utilization of radioisotope methods and means in hydrotechnics and **[soil]** *reclamation.* 041252
Process of drying up and differentiation of peat bog meadows in the Notec river valley **[Soils,** *reclamation].* 038217
Reclamation of **soils** contaminated with radioactive strontium. 041190
Urgent goals of [land] *reclamation* in the **Soviet** Georgia. 041157
Soils of the Euphrates river **valley** and their *reclamation.* 041160
The reserves of reducing the production cost of *reclamation* **work** in the Nonchernozem zone [Drainage]. 041276

RECONNAISSANCE

Seed crop forecasting in eucalypt [Eucalyptus regnans] forests using **aerial** *reconnaissance.* 035650

RECONSTRUCTION

Study of coupling factors in experiments with uncoupling and *reconstruction* of **actively** and weakly phosphorylating systems of chloroplasts [Maize, peas]. 037588
Appraisal of the growth and development of young plantations and thickets originating from the *reconstruction* of **coniferous** stands in the Upper Silesia and Cracow industrial regions. 035619
Establishing a suitable method of *reconstructing* **existing** vineyards of the Cabernet Sauvignon grape variety with inter-row space of 2 meters. 038356
Some demographic aspects of *reconstructing* **settlement** [Rural population]. 030993

RECORDS

A second **British** *record* of Atractotomus mirificus Woodr. (Hemiptera, Miridae). 040011
New **butterfly** *records* for Springsure, Central Highlands, Queensland. 039986
Collection *records* of the project "Mosquitoes of Middle America". 3. Bahama Islands (BAH), Cayman Islands (CAY), Cuba (CUB), Haiti (HAC, HAR, HAT) and Lesser Antilles (LAR). 040121
Record **crops** lift world rice supply, depress trade. 031609
Is there need for change? Using *records* other than **DHI** [dairy herd improvement] in sire evaluation. 034782
Descriptions and **distributional** *records* of African Mecoptera [Bittacus erythrostigma, Bittacus tuxeni, new taxa]. 036034
An analysis of **farm** *record* keeping data in Nueva Ecija. 031325
Wiltshire Coleoptera, with particlar reference to Limobius borealis (Payk.) (Curculionidae), and a *record* from **Gloucestershire.** 040036
Instron *recorder* pen response [Food evaluation]. 032871
Planning and **keeping** *records* of transportation operations with grain. 031398
A survey of haematophagous arthropods in western Himalayas, Sikkim and hill districts of West Bengal: *records* of **mosquitoes** collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. 039462
Dothichiza padi Sacc. And Roum.—a **new** *record* to India. 035999
Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a **new** *record* for north-western Atlantic coastal waters [Algae, new taxa]. 036110
New *records* of three diseases [Glomerella cingulata, Sclerotinia sclerotiorum, Botryodiploidia theobromae] of chilli in India. 038700
The genus Protermes (Isoptera: Termitidae): description of imago caste and **new** *records* from central Africa. 040101
Descriptions of some new and **new** *records* of some known Chalcidoidea (Hymenoptera) from India [New taxa]. 040115
Promoting Styria's wood market, **official** *record* of felled wood. 035696
Records of **phoretic** attachment of Mallophaga (Insecta: Phthiraptera) on insects other than Hippoboscidae. 040109
New **plant** *records* for latium and Abruzzi. 036018
Spectral analysis techniques for evaluating historical water **quality** *records.* 041324
Recent *records* of ticks, Ixodes cookei Packard and Dermacentor variabilis (Say) (Acarina: Ixodoidea) in southwestern Ontario. 040043
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a wood boring isopod] and *records* of other **species** [Tests with various kinds of woods]. 038625
Committee on Commodity Problems Consultative Sub-committee on Surplus Disposal. **Summary** *record,* 216th meeting, 13 January 1976, 10:00 a.m. 031566
Utilization of portable **tape** *recorder* for a complete measurement of forest stand. 2. The improved equipment. 035535
Record **world** sugar crop to exceed demand [Situation]. 031581

RECREATION

Soil insects [Collembola] as indicators of use patterns in *recreation* **areas.** 035563
Outdoor *recreation* in **central** Iowa: 1970 and 1985 [Land use, statistics]. 031219
Fee fishing lakes in Ohio *[Recreation,* **directories].** 031229
Outdoor *recreation* in **east** central Iowa: 1970 and 1975 [Land use, statistics]. 031220
Recreation **guide:** fishing, camping, services, hunting [in] Lauderdale, Newton, Scott, Leake, Neshoba, Kemper, Attala [Counties]. 041650
Outdoor *recreation* in **Iowa:** 1970 and 1985 [Land use, statistics]. 031224
The economics of water oriented outdoor *recreation* in the **Kissimmee** River Basin [Land use]. 031165
Determining the tolerance of a *recreational* **lake** for development and usage [Water pollution]. 041570
Outdoor *recreation* in **north** central Iowa: 1970 and 1985 [Land use, statistics]. 031222
Outdoor *recreation* in **northeastern** Iowa: 1970 and 1985 [Land use, statistics]. 031223
Outdoor *recreation* in **northwestern** Iowa: 1970 and 1985 [Land use, statistics]. 031221
Private land leasing for **public** *recreation*—snowmobiling in Michigan [Land use]. 031230
Outdoor *recreation* in **southeastern** Iowa: 1970 and 1985 [Land use, statistics]. 031217
Outdoor *recreation* in **southwestern** Iowa: 1970 and 1985 [Land use, statistics]. 031218
Capacity of **water-based** *recreation* systems. III. Methodology and fndings. 041651

RECTUM

Anatomical and histological study of the cabbage root fly Hylemya **brassicae** *rectum* on the occurrence of a pheromone gland. 039871

RECURRENT

The *recurrent* selection. **Objectives** and methods [Maize]. 036385
Increase in hybrid maize yield by means of **reciprocal** *recurrent* selection on the basis of varietal crosses. 036647
Recurrence **surfaces** in Rusland Moss, Cumbria (formerly north Lancashire) [Calluna, Sphagnum, musci]. 036223

RECYCLE

Conference background paper: Agriculture and the *Recycle* **Society.** 041592
Consumer acceptance of **waste** *recycling.* 031650
Animal agriculture and **waste** *recycling.* 041591
The point on recovery of materials *[Recycling* of **waste** materials]. 041654

RED

Effects of clearcutting [Quercus, Carya, **Acer** *rubrum,* Pinus] on the diversity of breeding birds. 035477
Reexamination of the bromophenols in the *red* **alga** Rhodomelalarix. 037174
The *red* **algae** of the far eastern seas of the USSR; foliose cryptonemiacean algae (Cryptonemiales, Rhodophyta) [New taxa]. 035986
Perforene, a new halogenated sesquiterpene from the *red* **algaLaurencia** perforata. 037296
The effects of *red-winged* **blackbirds** (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) [Maize, pests]. 039015
Kinetics of 3-O-methyl glucose transport in *red* **blood** cellsof newborn pigs. 034062
Simultaneous and differential staining of spermatozoids and especially of the acrosome by the reacting dyes procion printing green B and procion **brilliant** *red* M8BS. 034609
Meat productivity and skin quality of calves: crosses of **Bulgarian** *Red* cattle with Charolais and Hereford. 034873
In vitro propagation of *red* **cabbage** (Brassica oleracea L. Var. capitata). 037779
Comparative study: carcass and meat characteristics in young bulls of the **Campine** *Red* Pied and Charolais breeds slaughtered at the age of 16 months. 033038
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young **Campine** *Red* Pied bulls slaughtered at 16-17 months. 033607
Kinetics of the *red* **cell** washout from coronary vessels of isolated feline hearts. 033847
Red **cell** and total blood volumes during sexual excitement and copulation in the boar. 034542
Immunochemistry of carrageenans from gametophytes and sporophytes of **certain** *red* algae. 036855
Effects of indol-3yl acetic acid on floral induction and apical differentiation in **Chenopodium** *rubrum* L. 036762
Multiple circadian rhythms regulate photoperiodic flowering responses in **Chenopodium** *rubrum.* 037673
Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii [Mung beans, *red* **clover].** 037362
The role of respiration in productivity of Trifolium pratense *[red* **clover]** grown in central regions of Komi ASSR. 037376
Observations on the condition of *red* **clover** seeds during storage [Botrytis anthophila, Alternaria tenuis]. 038793
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the yellow and *red* **colors** of the grain. 036692
Red **deer** and forests. 035462
Effect of pre-sowing gamma irradiation (60Co) [cobalt isotope] on yield development of **earliest** *red* radish (Raphanus sativus sub. var. radicula). 038226
Integrated control of the **European** *red* mite of apples, Panonychus ulmi (Koch). 039355
Sarcosporidiasis in *red* and **fallow** deer. 035157
Applications for roselle [Hibiscus sabdariffa] as a [natural] *red* **food** colorant. 032808
Changes in amino acids, carbohydrates and capsaicin content of *red* **fruits** of chillies infected with Colletotrichum piperatum. 038676
Pectic enzyme effects on *red* **grapes.** 037626
Registration of 11 germplasm lines of Centana **hard** *red* spring wheat. 036455
Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in **hard** *red* winter wheat. 039263
Red **lauan** [Shorea negrosensis]—a new species of wood for use in the furniture industry. 035771
Reactions of violaxanthine cycle induced by high and lower beams of *red* **light** [Hydrangea hortensis]. 037708
Activities of cholesterol degrading microorganisms **[Mycobacterium** *rubrum,* Proactinomyces, Nocardia opaca, Nocardia erythropolis]. 037113
Response of sweet potato (Ipomea batatas), to potassium fertilization on a *red* **Oxisoil** in Tanzania. 040969
The biology of Harveyella mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the taxonomic affiliation of the **parasitic** *red* algae, Harveyella mirabilis. 036112
Hereditary changes in Capsicum annuum L. *[Red* **peppers].** III. Induced by DNA treatment. 036577
Role of stem-fruit relation in the after-ripening process of *red* **peppers.** 037616
Phenol *red* as an indicator of the flow rate of digesta along the small intestine of pig. 033715
Effects of R1, a gene for *red* **plant** color, on American Pima cotton. 036427
Studies on the prognosis of terms of the individual developmental stages in *red* **plum** maggot (Grapholitha funebrana Tr.) based on effective temperature summations. 039360
Preliminary observations on the survival of Salmonella in curry, sambar, coriander and *red-chilly* **powders** [Food poisoning]. 032087
The **radiation-resistant** *red* bacterium [Pseudomonas radiora]from rice. 038863
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in **river** *red* gum [Eucalyptus camaldulensis] forests. 039387
Effect of stacking and freezing on the muscle qualities of *red* **salmon** (Oncorhynchus nerka) [Fish]. 032741
Recent studies on biological effects of crude oils and oil-dispersant mixtures to *Red* **Sea** macrofauna [Water pollution]. 041508
Glutathione polymorphism in the **sheep** *red* blood cells. 033986
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC **[sheep** *red* blood cells] administration. 035078
Identification of Yellow soil, *Red* **soils,** and Brown Forest soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Seedfall studies in *red* **spruce** [Picea rubens, seed collection]. 035643
Storage experiments with strawberries of the **variety** *Red* Gauntlet. 033432
Effect of total lipids and phospholipids on warmed-over flavor in *red* and **white** muscle from several species as measured by thiobarbituric acid analysis [Cooked poultry and livestock meat]. 033131
Modern techniques of *red* **wine** vinification. 033331
Study of the work of *red* **wine** vats: "self-emptying" vats and vats with improved manual emptying. 033490

REDOX
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] *redox* **balances.** 032865
Cytochrome b-563 *redox* **changes** in intact CO2- [carbon dioxid]-fixing spinach chloroplasts and in developing pea chloroplasts. 037652
Redox **conversions** of cytochrome f in isolated chloroplasts of pea. 037866
Redox **dependence** of papain enzyme activity on charged kaolinite surfaces and in solution [Clay minerals]. 040801
Redox **state** of the hepatic cells in rats receiving a diet containing 1,2-propanediol. 032497

REDPEPPERS
Behavior of four **bush** *redpepper* varieties treated with insecticidal oils for retarding potato virus Y. 038935
Capsicum *[redpeppers].* 033359
Applications of mineral oils for deterring potato virus Y infections in *redpepper* **crops.** 038934

REDUCTASES
The effect of age and sex on dihydrofolic **acid** *reductase* activity in chicken liver. 034768
Purification and characterization of beef liver **dihydrofolate** *reductase.* 033765
Investigation of wheat protein **disulfide** *reductase.* 037359
The activity of *glutathione-reductase* and **flavin** adenine dinucliotide effect as indicators of the riboflavin allowance in experiments and in patients with phenylketonuria. 032498
Erythrocyte **glutathione** *reductase* activity as an index of riboflavin nutritional status in pregnant women. 032278
Nitrate absorption by barley. II. Influence of **nitrate** *reductase* activity. 037525
Effect of salt and abscisic acid on in vitro activity of **nitrate** *reductase* in seedlings of Phaseolus aconitifolius [Moth beans]. 037611
Activity of **nitrate** *reductase* in cabbage and tomato plant with introduction of algal mass as organic fertilizer. 037700
Identification of NADPH [reduced nicotinamide adenine dinucleotide **phosphate]-thioredoxin** *reductase* system in Euglena gracilis [Algae]. 037240
Purification and properties of the intact form of NADH [naphthaleneacetic acid dehydrogenase]-cytochrome b5 *reductase* from **rabbit** liver microsomes. 034032

REDUCTION
Anomalous results encountered when measuring **acetylene** *reduction* by soil bacteria. 040794
About the ways, directions and evolutionary importance of the *reduction* of **biological** structures [Parasitic Angiospermae]. 035913
Fertilizing on a *reduced* **budget** [Citrus]. 040896
Determination of nitrate in milk and cheese by **cadmium** *reduction.* 032091
FDA [Food and Drug Administration] reports on heavy metals in foods, need for *reductions* in **certain** areas. 032019
Comparative efficiency of triphenyl tetrazolium **chloride** *reduction* test for grading of milk. 032081
A **chloride** *reduction* model for the Rhine River [Water pollution]. 041559
Obesity and the question of **cholesterol** *reduction* in infancy and childhood. 032443
Dark *oxidation-reduction* coupled phosphorylation in sonicated chloroplast vesicles [Spinach]. 037694
On *reducing* the **density** of fiberboard by the dry production method. 035812
Influence of *reduced* **diets** on the glucose-6-phosphate-dehydrogenase activity of the fatty tissue in patients with metabolic-alimentary adiposity. 032491
Information on *wing-reduced* **Diptera** in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165
The effect of a *reduction* in **food** intake during late pregnancy on nitrogen metabolism in ewes. 034402
A paramagnetic intermediate in the reduction of oxygen by *reduced* **[fungal]** laccase. 036929
Species differences in erythrocyte **glutathione** *reduction* rates after oxidation with t-butyl hydroperoxide [Sheep, goats, dogs, horses]. 033988
Heme-linked protonation of HCN, CO, NO and O2 [hydrocyanic acid, carbon monoxide, nitric oxide, oxygen] complexes of *reduced* **horseradish** peroxidases. 037639
Effects of sulfur on *reducing* the pH **[hydrogen-ion** concentration] of an alkaline soil. 041067
Reducing **lighting** bills — six super ways to do it! 032644
Careful preparation, a major condition for *reducing* **losses** on storage [Vegetables]. 033372
The application of wax emulsion to *reduce* **losses** on long-term storage of apples. 033379
Root rot and stem decay following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for *reducing* **losses.** 035471
Identification of NADPH *[reduced* **nicotinamide** adenine dinucleotide phosphate]-thioredoxin reductase system in Euglena gracilis [Algae]. 037240
Possible participation of peroxidase in *reduction* of **nitrates** in plants [Broadbeans]. 037585
Noise *reduced* in the agricultural machinery district services of Zerbst. 040429
Effect of submergence on the physico-chemical and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, **oxidation** *reduction* potential, carbon, nitrogen and phosphorus]. 040552
A paramagnetic intermediate in the *reduction* of **oxygen** by reduced [fungal] laccase. 036929
Arrangement and *reduction* of **perianth** and androecium parts in representatives of Ulmaceae Mirbel and Celtidaceae Link. 036283
The **plaque** *reduction* test in the study of antibodies against the viral arthritis reovirus [Chicken sera]. 035048
Storage of fowl semen under *reduced* **pressure.** 034707
The reserves of *reducing* the **production** cost of reclamation work in the Nonchernozem zone [Drainage]. 041276
On the *reduction* of **residual** nitrite in the production of cooked sausages. 033113
Quarantine [storage period] for cattle **semen** *reduced.* 034563
Selective effect of a maize diet in *reducing* **serum** and brain tryptophan contents and blood and brain serotonin levels. 032384
Reduction of the **severity** of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl [(5-chloro-2-thienyl)methyl] phosphonium chloride. 038772
Effects of **simultaneous** *reductions* of food intake and dietary protein concentration on the growth and carcass quality of bacon pigs. 034401
35S [sulfur isotope] translocation and *reduction* in **Sinapis** arvensis L. depending upon the light regime. 036921
Sulfoxide *reduction* in relation to organophosphorus insecticide detoxification. 039593
Respiration of the cells of corn roots during deceleration of the rate of root growth induced by *reduced* **temperature.** 037587
Photoaffinity labeling of concanavalin A [from jackbeans]: preparation of a concanavalin A derivative with *reduced* **valence.** 037473
Reduction of **wastage** during post-harvest handling of bananas in the Sudan. 033471
A program of **weight** *reduction* in children. 032689

REDWOOD
Plant portrait—**coast** *redwood* [Sequoia sempervirens]. 036047
Redwoods **[Sequoia** sempervirens] to "popple" [Populus]—Aladdins in the forests. 035510

REEDS
Effects of drying on forage quality of alfalfa and *reed* **canarygrass** [Phalaris arundinacea] fed to lambs. 034411
Determination of modulus of elasticity of wood from **vibrating** *reed* measurements. 035741

REEFS
The algal ridges and **coral** *reefs* of St. Croix: their structure and Holocene development. 036177

REFINING
Effects of *refining* and **bleaching** on oxidative stability of sunflowerseed oil. 033255
Colorant formation under *refining* **conditions** [Sugarcane sugar]. 033162
Effect of antioxidants on *refined* **palm** oil. 032857
Atmospheric and **pressurized** *refining* of wood chips—laboratory scale studies. 035851
Chloride control in the *refinery* **[Processing** sugarcane]. 033161
Sugar: characteristics, classification and *refining* of the **product.** 033192
Palm oil **steam** *refining,* techniques, operating responses and economics. 032889
Effect of phosphate constituents on the **sugar** *refining* process. 033169
Proceedings of the 1974 Technical Session on Cane **Sugar** *Refining* Research, Cherry Hill, New Jersey, October 20-22, 1974. 033182
Sugar *refining.* 033242

REFLEX
Effects of partial prefrontal lesions in dogs on go-no go **avoidance** *reflex* differentiation and reversal learning. 033707
Reflexions on the **choice** of the parents and some ways of developing new rice varieties (Oryza sativa L.). 037964
The effect of lesions of the dorsomedial thalamic nucleus on alimentary **conditioned** *reflexes* and food intake in dogs. 033723
Activity of medullary respiratory neurones during *reflexes* from the **lungs** in cats. 034172
Conditional **motor** *reflexes* after monolateral damage of the subthalamic Luys body in cat. 033829

REFORESTATION
Forests and/or pastures? [Ecological equilibrium, **conservation,** *reforestation].* 035458
The season for planting in **Mediterranean** *reforestation* [Program]. 035655
Seeds for *reforestation:* a **strategy** for sustained supply of indigenous species. 035675

REFRACTION
Waveguide mode effects, *birefringence* and **dichroism** in fly [Musca] photoreceptors. 039797
The *birefringence* of **wood** pulp fibres and the thickness of the S1 and S3 layers. 035901

REFRIGERATION
Refrigeration **equipment** [in fruit and vegetable delivery]: how it works, what it does. 033404
Test of a *refrigerated* **farm** milk tank, type RM/DX 1600, rated volume 1580 liters, manufactured by Packo, Zedelgem (Belgium). 040514
Palletization/unitization [Loading patterns and their relationship to *refrigeration* in **food** transit]. 031668
Which first? More thermophysical properties data or better methods to use accumulated data? **[Food** *refrigeration].* 032764
Microbial spoilage of **fresh** *refrigerated* beef liver. 032074
The bacteriological behavior of beef, vacuum-packed in bags of differing oxygen permeability, under **prolonged** *refrigerated* storage. 033069
Comparison between *refrigerated* **sea** water (with or without added carbon dioxide) and ice as storage media for fish to be subsequently frozen. 032739
The use of multipurpose **ship's** *refrigerated* spaces for the intransit sterilisation of citrus fruit to Japan. 033353
Refrigeration & **transportation** [Meat and vegetable products]. 032843
Modern trends in *refrigeration* of **wines** and concentration and desulfurization of musts. 033332

REGENERATION
Study of frost resistance and *regenerative* **ability** of certain white wine varieties of grapes grown with high-training in the Pleven District. 037726
Axial and lateral order of *regenerated* **cellulose** fibres. Paracrystalline condition of cellulose. 035721
Long periods in native and *regenerated* **celluloses.** 035729
Dark *regeneration* of invertebrate visual pigments [Butterflies]. 039789
Problem of the *regeneration* of **fir** and mixed stands with fir with the use of improved cutting methods in the light of studies in the VIth Land—Central Poland Uplands. 035623
Forest *regeneration* of lignite mine terraces of the Dnieperarea and its limiting factors. 034435
Regeneration of **haploid** and diploid Datura innoxia Mill. Mesophyll protoplasts to plants. 036716
Linear *regeneration* sampling in Peninsular Malaysia. 035674
Polymorphism in fowl serum albumin. V. Protein in synthesis in cell-free systems from *regenerating* **liver** of the fowl (Gallus domesticus). 033872
Economic aspects of the **natural** *regeneration* of pine in the Solski Forest. 035620
Callus cultures from potato tissues and the exclusion of potato virus X from **plants** *regenerated* from stem tips. 038892
An appraisal of the fir [Abies] *regeneration* **problem.** 035654
Root *regeneration* of fall-lifted white spruce [Picea glauca] nursery stock in relation to soil moisture content. 035642
Formation of the *regeneration* **structure** in several communities of a natural forest. 036232
A brief assessment of the *regeneration* **systems** for hill forests in peninsular Malaysia. 035673
Structural changes of the plasmalemma during cell **wall** *regeneration* of isolated protoplasts from stem callus of Skimmiajaponica Thunb. 037207
Regeneration in **winter** wheat varieties differing by winter hardiness after mechanical damages. 038976
Studies on Sargassum. I. A light microscopic examination of the **wound** *regeneration* process in mature stipes of Sargassum filipendula [Algae]. 036268

REGIA
Dependence of stomatal number and size in **Juglans** *regia* L. on ecological conditions. 037699
On grafting dates for **Juglans** *regia.* 038473
Anthracnose of walnut trees **(Juglans** *regia* L.) produced by Phyllosticta juglandis (D.c.) Sacc. 038785

REGINA
Urban analysis in the regional-national [medium-term econometric forecasting] **model** *REGINA* of the French economy [includes rural areas]. 031807
A case of traumatic dermal myiasis in Quebec caused by **Phormia** *regina* (Meigen) (Diptera: Caliphoridae). 039451
Delayed allatectomy and feeding in **Phormia** *regina* (Meig.): effects on follicular development. 039849

REGRESSION
Principal components analysis and its use in hypothesis generation and **multiple** *regression.* 031752
A **statistical** *regression* model of greenhouse tomato water exchange. 037718

REGULATION
Genetic and biochemical studies of acid phosphatases in yeast Saccharomyces cerevisiae. V. Genetic control of *regulation* of **acid** phosphatase 2 synthesis. 036516
Regulation of the **agricultural** market in the European Economic Community. 031573
On the *regulation* of the **amount** of prey in wood ants (Formica polyctena Foerster). 039892
Autonomic *regulation* of secretory activity and growth responses of rat parotid gland. 033948
Regulation of **avian** eggshell porosity. 033133
Parasite problems in the **biological** *regulation* of mass increase of forest insects. 039376
Chlorophylls: aspects of **biosynthesis** and their *regulation.* 036794
Regulation of **biosynthesis** of amylolytic enzymes from Endomycopsis fibuligera str. 20-9 [Yeasts]. 037228
Pyruvate dehydrogenase complex from brewer's yeast [Saccharomyces carlsbergensis]: *regulation* **blythe** carbon source. 037312

Investigations on the social organization in the Pharaoh's ant, Monomorium pharaonis L. (Hymenoptera, Formicidae). I. The *regulation* of the **broad** cycle. 039814
Recent findings on *regulation* of **carbohydrate** and fatty acid metabolism in ruminants. 034750
Chemical *regulation* of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum majus tissue and cell cultures. 037775
The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the *regulation* of **chick** renal 25-hydroxyvitamin D3-24hydroxylase. 033770
Regulation of the **delivery** and utilization of liquid manure for the greatest common benefit [East Germany]. 041003
Regulation of **development** in Dictyostelium discoideum [Fungi]. I. Initiation of the growth to development transition by amino acid starvation. 036907
Dietary *regulation* of serum lipids in healthy, young adults. 032349
Further improvement of the efficiency of distribution and the **economic** *regulation* of [the East German] storage houses. 031685
Environmental *regulation* of the population size of the oak leaf roller moth (Tortrix viridana L.) in the Niepolomice Forest. 039384
Regulation of the **European** Economic Committee with third countries for fruit and vegetable products [Imports, prices]. 031658
Specific binding of invertase of the medium by yeast [Saccharomyces cerevisiae] cell surface during the *regulation* of **formation** of the enzyme. 036912
Guanosine metabolism and *regulation* of **fruiting** body construction in Dictyostelium discoideum [Fungi]. 037239
Genetic *co-regulation* of galactose and melibiose utilization in Saccharomyces [Cerevisiae, Saccharomyces carlsbergensis, yeasts]. 036560
Regulation of **gonadotrophin** secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of **gonadotropin** secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
A model for the *regulation* of **growth** in mammalian cells. 034085
Different *regulation* of **hepatic** ketogenesis during starvation in rats and pigeons. 033985
Hormonal *regulation* of thermogenesis in goslings. Possible role of catecholamines. 033719
Hormonal *regulation* of thermogenesis in goslings. Possible role of the thyroid gland. 033720
Toward a comparative study of the **hormonal** *regulation* of transcription in the nuclei of animal [rats] and plant [pea leaves] tissues. 034195
Hormonal *regulation* of specific gene expression in the chick oviduct. 034583
Hormonal *regulation* of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago sativa L.) seedlings. 037480
Hormonal *regulation* of hypocotyl elongation in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in seedlings grown in the dark. 037778
A single state system of *regulation* and **interbasin** redistribution of water resources [in the USSR]. 041250
Legal *regulation* of breeding and reproduction of farm animals. 034858
Local *regulation* of the uterine blood flow by the umbilical circulation [Sheep, Rabbits]. 034153
Market *regulation* of vegetables produced during the current season. 031622
On the role of noradrenaline in the *regulation* of **muscle** thermogenesis during cooling [Rabbits]. 033901
Osmotic *regulation* in the marine alga, Codium decorticatum. I. Regulation of turgor pressure by control of ionic composition. 037055
Specificity and *regulation* of **peptide** transport in Neurospora crassa [Fungi]. 036788
Regulation of **pineal** rhythms in chickens: effects of blinding, constant light, constant dark and superior cervical ganglionectomy. 033887
Autonomous and induced mechanisms of *regulation* of **plant** flowering. 036936
The food service industry training- certification **program** *[Regulation].* 032127
Studies on the *regulation* of **pyruvate** dehydrogenase in isolated beef heart mitochondria. 033767
Regulation by **pyruvate** kinase and phosphatase of inorganic phosphate incorporation during photophosphorylation. 036970
Renal *regulation* of phosphate excretion in the pig. 034161
Regulation of the **reproductive** process of sows with regard to increasing their fertility. 034862
Report of Committee on Dairy Farm Methods, 1973-1975 **[Sanitation,** *regulation].* 032979
The relationship between endogenous and exogenous factors in the *regulation* of **seasonal** changes in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Deep loosening of **soil** *regulates* water economy. 041170
Effect of spinal deafferentation on **temperature** *regulation* and spinal thermosensitivity in pigeons. 034127
Osmotic regulation in the marine alga, Codium decorticatum. I. *Regulation* of **turgor** pressure by control of ionic composition. 037055
Continuous trench construction method and grouted anchorage for *regulation* of the **Vecht** River in Schuettorf [Flood control]. 041443
[Meadow] plant communities in the Tysmienica river valley before and after *regulation* of **water** conditions. 036257
Regulation of the **water** regime on agricultural lots and flood control, a premise to secure high yields. 041417
Investigations on the **water** *regulation* of the Nidda Reservoir. 041451
Preliminary results of trials on *regulation* of **yields** in apple trees by 2-chloroethylphosphonic acid. 038265

REGULATORS

"Regulating the *regulator"* **[Agricultural** production and distribution]. 031670
Complex method for determining natural [plant] **growth** *regulators:* biotests. 036937
Growth *regulators* from the seaweed Chondrus crispus L. (Lyn.) [Algae]. 037044
Effect of **growth** *regulators* on early fibre development in cotton. 037453
The effect of several **growth** *regulators* on the root system of strawberry runner plants. 037645
Effect of synthetic growth substances on endogenous **growth** *regulators* during organic dormancy of grape. 037665
Study of the RNA and protein synthesis in meristems of potato tubers and the effect of **growth** *regulators* of a phenylic nature on these processes. 037683
Effects of plant **growth** *regulators* on Lilium longiflorum Thunb. cv. Georgia. 037732
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of **growth** *regulators* in geotropically stimulated Vicia faba roots [Broadbeans]. 037885
Growth *regulators* in control of post-harvest fungal diseases of fruits and vegetables. 038689
The effect of insect **growth** *regulators* (IGR) on spider mites and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Synthesis and laboratory and field evaluation of a new, highly active and stable insect **growth** *regulator* [for control of fruit pests]. 039342
The control of the greenhouse white [Trialeurodes vaporariorum] on gherkins with insect **growth** *regulators* and insecticides. 039349
Pale coloration in Aphis fabae reared on beans treated withthe plant **growth** *regulator,* ethylene-bis-nitrourethane. 039837
Bud opening and overnight conditioning of Gypsophila 'Bristol Fairy' **[Plant** *regulators].* 037710
Modification of soapberry (Sapindus drummondi) through chemicals **[Plant** *regulators].* 037833
Plant protection chemicals and **plant** *regulators* [Research projects, Italy]. 039012
A contribution to the application of the **plant-growth** *regulator* chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824

REGURGITATION

Aortic *regurgitation* in the dog. 035340

REHABILITATION

Forest soil after afforestation by *rehabilitation* in the **Setouchi** region. III. In Comparison with the forest soil of some natural stands. 041145

REINDEER

Parasites in *reindeer* **calves**—feces examination. 035172
Parasitic granulomas in *reindeer.* A **histopathological,** parasitological and bacteriological study. 035173

REINFORCEMENT

A field trial of the *reinforcing* **effect** of a stone column in soil. 040579

RELAPSE

Chronic *relapsing* stomatitis in a cat associated with feline leukemia virus infection. 035061

RELAXATION

Study of the influence of paramagenetic impurities of the *relaxation* of **protons** of the [plant] tissue water using the Overhauser effect. 036914

RENAL

Renal **blood** flow distribution during steady-state exercise and exhaustion in conscious dogs. 034021
Response of *renal* **calcium-binding** protein independence of kidney vitamin D hydroxylation [in chickens]. 034343
The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the regulation of **chick** *renal* 25-hydroxyvitamin D3-24hydroxylase. 033770
Transformation and excretion of drugs in biological systems. XI. *Renal* **excretion** mechanisms of sulfonamides in rabbits. 033862
Effect of prostaglandin synthesis on *renal* **function** and renin in the dog. 034110
On the effect of serum gonadotropin and estrogen on the hormonal activity of the thyroid and *suprarenal* **glands** of cows. 034238
Affinity chromatography in the study of **[hog** *renal]* renin. 034121
Renal **regulation** of phosphate excretion in the pig. 034161

RENATURATION

Renaturation of **yeast** [Saccharomyces cerevisiae] inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. 037018

RENIN

Effect of prostaglandin synthesis on renal function and *renin* in the **dog.** 034110
Affinity chromatography in the study of [hog **renal]** *renin.* 034121
Relatonship between sodium excretion and *renin* **secretion** by the perfused kidney [Dogs]. 034154

RENNET

Preservation of milk with hydrogen peroxide. II. Physicochemical changes in milk with respect to *rennet* **action.** 032967
Contribution to the problem of whey utilization: general considerations and experiments on the incorporation of whey proteins in the *rennet* **coagulum.** 033033
Use of rennin and pepsin in a 50:50 mixture and of bovine **liquid** *rennet* in the "caciotta" technology [Cheese making]. 032944

RENNIN

Use of *rennin* and **pepsin** in a 50:50 mixture and of bovine liquid rennet in the "caciotta" technology [Cheese making]. 032944
Hygienic problems in sheep's milk and **production** of *rennin.* 032141

REPELLENTS

Protection of livestock from tsetse [Glossina morsitans] bites by means of *repellents* **[Cattle].** 039505
The penetration of females of the fruit bark beetle Scolytus mediterraneus Eggers into *antifeedant-treated* **twigs** in laboratory tests. 039372

REPLICATION

Microspectrophotometric analysis of **DNA** *replication* in Eudorina elegans (Volvocales, Chlorophyta) [Algae]. 036339
DNA *replication* in homogenates of Physarum polycephalum [Fungi]. 037022
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial **DNA** *replication* in yeast [Saccharomyces cerevisiae] by ethidium bromide and berenil. 037124
Chloroplast growth and *replication* in **germinating** spinach cotyledons following massive gamma-irradiation of the seed. 037811
Action of immunogenic RNA on **lymphocyte** *replication* [Mice]. 035055
Replication of a **nuclear** polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. 039866
Number of *replications* and **reliability** of the experiment in winter wheat trials [Breeding research]. 036375

REPRESSION

Glucose *repression* of the inducible catabolic pathway for pentitols in Rhodotorula gracilis [Fungi]. 037305
Repression of the **production** of Verticillium [dahliae] polygalacturonase and cellulase by glucose [Hops]. 038710

REPRODUCTION

Reproductive **behavior** of Brahman cows. 034599
Reproductive **biology** and gametophyte morphology of Acrostichum danaeifolium from Mexico [Pteridophyta]. 036263
Phytoestrogens: adverse effects on *reproduction* in **California** quail. 034803
Comparative effects of niridazole on spermatogenesis and *reproductive* **capacity** in the mouse, rat and Japanese quail. 034680
The genital system [Diseases, abnormalities, *reproduction,* **cats].** 034638
Genetics and breeding of 42-chromosome triticale. II. Relations between chromosomal variability and *reproductive* **characters.** 036429
Experimental studies on the annual cycles of thyroid and adrenocortical functions in relation to the *reproductive* **cycle** of drakes. 034081
Some factors affecting the *reproductive* **cycle** of sows [Fertility]. 034864
Day-length influence on *reproductive* **development** and tillering in 'Fergus' barley. 037382
Necrotic enteritis in broiler chickens. III. *Reproduction* of the **disease** [Clostridium perfringens]. 035033
Role of staphylococci in *reproductive* **disorders** in cattle. 035219
Expanded *reproduction* of soil fertility in industrial crop production. 041151
Experience and recommendations regarding the **expanded** *reproduction* of soil fertility in industrial field vegetable production. 041152
High cropping standards and **extensive** *reproduction* of soil fertility, prerequisites for high and stable yields [Agronomy]. 038010
Legal regulation of breeding and *reproduction* of **farm** animals. 034858
Feline *reproduction* [Cats]. 034616
Evaluation of **female** *reproductive* performance of 28 one-way crosses produced from eight breeds of swine. 034557

Growth and *reproduction* of the **field** vole Microtus agrestisL.) in forest plantations [Pests]. 038956
Consequences of using the pesticide affecting the *reproductive* **function** of mammals. 039602
Functional *reproductive* disturbances and fertility results in young and old sows of different gene constructions [Swine]. 034834
Effects of active immunization with steroids on endocrine and *reproductive* **functions** in male animals. 034639
Vegetative and *reproduction* **habits** of castorbean (Ricinus communis) as affected by the nutrient area [Spacing]. 038556
Reproductive **herd** health program for dairy cattle. 034839
Reproduction of **honeybees** colonies in Siberia. 040275
Management practices to **improve** *reproductive* performance with artificial insemination in beef cattle. 034730
Use of uterotropic substances as possible devices to **improve** *reproduction* performance of sows. 034755
The role of male accessory glands in **insect** *reproduction.* 039621
Prostaglandins and studies related to *reproduction* in **laboratory** animals. 034644
Contrbutions to the technology of **obtaining** *reproduction* material in Antheraea pernyi (oak silkworm). 040287
Reproduction of **organic** matter in soil under conditions of industrialised crop and livestock farming. 040917
Effect of dl-norgestrel (13beta-ethyl-17 alpha-ethynyl-19-nortestosterone, Wy3707) on the *reproductive* **organs** of rabbit. 033974
144Ce [cerium isotope] in tissues of Beagle dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and *reproductive* **organs** [Injuries]. 035413
A review of *reproductive* **patterns** in New World monkeys [Laboratory animals]. 034710
Seed yield and *reproduction* of **perennials** in Artemisia phytocoenoses in the Pamir. 036843
Relationship of supplemental biotin, protein level, and grain source to *reproductive* **performance** of turkeys. 033103
Effects of nutritional management systems on *reproductive* **performance** of dairy cross cows. 034444
Relationship of supplemental biotin, phosphorus level and calcium level to *reproductive* **performance** of turkeys. 034456
Effects of pasture management systems and season of breeding on *reproductive* **performance** of beef cattle. 034724
Reproductive **performance** of rabbits on organic and inorganic leys. 034791
Effect of two levels of dietary zinc on *reproductive* **performance** of sows during five parities. 034793
Life history and behavior of a corduliid dragonfly, Cordulia aenea amurensis Selys. II. *Reproductive* **period** with special reference to territoriality. 039850
Breeding hygiene in industrialised dairy units. 2. Management, organisation, and control of *reproduction* **periods.** 034747
The storage of cow eggs at room temperature and at low temperatures *[Reproductive* **physiology**]. 034702
Reproductive **potency** of sows reared as baby pigs by early weaning. 034863
Comparative **primate** *reproductive* endocrinology: advancements important in domestic breeding programs. 034712
Regulation of the *reproductive* **process** of sows with regard to increasing their fertility. 034862
The place and importance of veterinary service in the *reproduction* **process.** 034950
The role of agricultural machinery district services in the *reproduction* **process** of plant production and conclusions to be drawn for maintenance planning. 040441
Prostaglandins and *reproductive* **processes** in female sheep and goat. 034645
Factors influencing growth and *reproduction* in **Rambouillet** and Florida native sheep. 034594
Regulated *reproduction* as a basis of successful swine breedng. 034861
Production of genetic heterogeneity and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. **Seed** *reproduction* methods and genetic balance. 036688
Possibilities of increasing **sow** *reproductive* performance by having lactation coincide with pregnancy [Swine]. 034835
Effect of some host plants on development and *reproduction* of **Spodoptera** littoralis (Boisd.) (Lepidoptera, Noctuidae) [Cotton pests]. 039260
Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the *reproductive* **state** and oestradiol treatment [Sheep]. 034666
Lysine requirement for *reproduction* in **swine.** 034413
Livestock improvement: the application and impact of **techniques** in *reproduction.* 034759
Reproduction and **teratological** studies with 1-(2-chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) in the rat and rabbit. 035445
Effects of moisture stress on the growth and *reproduction* of **three** annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. 037036
Study of chimerism in the *reproductive* **tissue** of Arabidopsis thaliana plants following irradiation of seeds. 036690
54Mn [manganese isotope] uptake by the ovaries and *reproductive* **tract** of cycling and anestrous ewes. 033853
Comparative study of Aujeszky's disease **virus** *reproduction* in cell and tissue suspensions of avian embryos [quail]. 035278
Reproduction of **wild-caught** and laboratory-born marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus) [Animal models]. 034713

RESERVE

Effect of temperature and active acidity of the medium on the metabolism of *reserve* **carbohydrates** and survivability of baker's yeast [Saccharomyces cerevisiae]. 037216
Con: a world **food** *reserve* system. 031872
Pro: a world **food** *reserve* system. 031879
Reserves of the **food** base [Apiculture]. 040276
Protection of Picea polita forest against typhoons and its restoration on the damaged area in Yamanaka **Forest** *Reserve.* 035465
Breeding [program] characteristics of the Gritsevolia Pine **Forest** *Reserve.* 035669
A preliminary survey of insect attack on seedlings and saplings in Bukit Belata **Forest** *Reserve.* 039397
Floristic finds in the **Khusrov** *reserve.* 035967
Magnesium in New Zealand soils. II. Distribution of exchangeable and *"reserve"* **magnesium** in the main soil groups. 040699
Moor House [**Nature** *Reserve],* United Kingdon [Vegetation, soils]. 036197
A survey of the invertebrates of four streams in the Moor House National **Nature** *Reserve* in northern England [Includes insects]. 040083
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the rain and in pools on the Silver Flowe National **Nature** *Reserve* [Water analysis, Sphagnum cuspidatum]. 041351
Estimation of soil **nitrogen** *reserves* by determination of mineral nitrogen. 041073
Soil **phosphorus** *reserves* and fertilizing with phosphorus. 041137
The *reserves* of **reducing** the production cost of reclamation work in the Nonchernozem zone [Drainage]. 041276
Evaluation of change of **salt** *reserves* in the active layer of paddy soils. 040724

RESERVOIRS

Suspended sediment, solar radiation and heat in **agricultural** *reservoirs.* 041394
Control system for **detention** *reservoirs* [Flood control]. 041445
The *reservoir* on the **Karadarya** River [Dam structure, irrigation]. 040362
The prevention of the formation of shallow water and the utilization of diked lands in the zone of the **Krasnodar** *Reservoir* [for growing rice]. 041275
Primary production studies on a **new** *reservoir;* Bighorn Lake—Yellowtail Dam, Montana, U.s.a. [Algae]. 036212
Erosion [on rangeland, forests and cropland] and sediment yield [to *reservoirs]* in **New** Mexico. 041179
Investigations on the water regulation of the **Nidda** *Reservoir.* 041451
Quabbin *reservoir:* a study of drought and water demand. 041347
Distribution of *reservoir* **sediment**—Iowa and Missouri deep loess hills. 041370
Reservoir **sedimentation** associated with catchment attributes landslide potential, geologic faults, and soil characteristics. 041380
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of valve closure time *[Reservoir,* **water** hammer]. 041316
Water-supply *reservoirs:* how much storage space remains? [Sedimentation]. 041350
Some effects of agricultural development and fluctuations in water level on the phytoplankton productivity and zooplankton of a New **Zealand** *reservoir* [Eutrophication]. 041522

RESETTLEMENT

Resettlement **[Rural** population]. 031066

RESIDUES

Agricultural *residues* and other nonwood plant fibers. 032910
Examination of slaughter swine for pesticide and **arsenic** *residues.* 032000
Determination of *residues* of **BHC** [bensene heychloride] components in different tissues of albino rats. 039532
Polychlorinated **biphenyl** *residues* in silos in the United States. 039591
Residues of **carbaryl** [insecticide] in ridge gourd (Lufa acutangula Roxb.: Cucurbitaceae). 039230
Residues of **certain** systemic insecticides in sweetpotato tubers [Cylas formicarius]. 039534
The potential of **crop** *residues* as commercial animal feed. 033543
Accumulation and mineralization of **crop** *residues* in dark Chestnut soil. 040809
The significance of **crop** *residues* to the maintenance of [soil] fertility under continuous cultivation at Samaru, Nigeria. 040995
Gas chromatographic analysis of neodecanoic acids in onions **[Desiccants,** *residues].* 032067
The *residues* of **2,4-dichlorophenoxyacetic** acid and its mixtures in cereal plants. 039151
Forest *residues* in hemlock-spruce [Tsuga-Picea] forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the rat *[Residues,* **formamidine** acaricide-insecticide, toxicity]. 039565
Technical and sanitary aspects on the control of brown rot [Monilia] of peaches and plums [**Fungicide** *residues].* 038727
Growth of turfgrasses as affected by soil phosphorus and arsenic [**Herbicide** *residues].* 037822
Phenoxy **herbicide** *residues* in cowberries and mushrooms [Conifers]. 039142
Analysis of paraquat formulations by liquid chromatography **[herbicide** *residues].* 039570
Evidence for an essential **histidine** *residue* in rabbit liver aryl sulfatase A. 033761
Residues of **2-imidazolidine-thione** (ethylenethiourea) in musts and wines. 031947
Gas chromatographic determination of *residues* of **insecticidal** carbamates. 039589
Residues of the **insecticides** carbaryl and monocrotophos in honeybee [Apis mellifera] colonies. 039567
Anodic stripping voltammetry—a new, simple answer for **lead** *residue* analysis [in food]. 032016
Chipping [of **logging** *residue]* in the bush. 035712
Forest residues in hemlock-spruce [Tsuga-Picea] forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for *residue* **management.** 041671
Lead and **mercury** *residues* in kidney and liver of Canadian slaughter animals. 031977
Heavy **metal** *residues* in plants caused by pollution in the central area of Upper Austria. 039074
[Pesticide] *residues* in **milled** products of durum wheat. 039542
Clean-up cereal and milk for determination of *residues* of **organochlorine** insecticides. 032080
Residues of **organochlorine** insecticides and polychlorinated biphenyls in some Norwegian foods. 032123
Trace constituents in molasses [Heavy metal contaminants and organochlorine **pesticide** *residues].* 031961
Pesticide *residues* in food. Report of the 1974 joint meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. 031991
Estimation of dimethoate **[pesticide** *residue]* in foods. 032083
A prelude to **pesticide** *residues* in different diagnostic situations. 039578
Research on **pesticide** *residues* resulting from a new method of their application for control of soil pests in maize stands. 039586
State and the art of the toxicological evaluation carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on **pesticide** *residues.* I. Organohalogenated pesticides used in public health and agriculture. 039592
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, **plant** *residues* and soils. 038852
Figures comparing the use of plastic and *residue* **problems** in the cultivation of cornsalad under cold **glass.** 038513
Residue **problems** in weed control [Food contamination]. 039194
Are there *residue* **problems** with spices? 039541
"Security times" *[residue]* **research** of some pesticides usedon strawberry. 039553
Endogenous toxic factors in oil **seed** *residues.* 033520
The colorimetric method of determining the herbicide picloram *[residues]* in **the soil.** 039523
Dinitroaniline herbicides in **soils** *[Residues].* 039140
Hydrolyzable and nonhydrolyzable 3,4-dichloroaniline-humus complexes and their respective rates of biodegradation [Phenylamide herbicides, *residues* in **soils].** 039560
Technological interests in proteinic **tanning** *residues* [Waste utilization, pollution]. 041503
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by thrombin and the **terminal** *residues* of the subunit polypeptides. 034030
The detection of substances with estrogenic effects [in calves] in **testing** for *residues.* 033904
DDT analog depletion patterns in steers [Gin **trash,** *residues].* 039566
A simplified procedure to determine **tryptophan** *residues* in proteins. 032714
Behavior and fate of ethylenethiourea in plants [Dithiocarbamate fungicides, *residues,* **vegetables].** 039555
What to do if a herbicide overstays its **welcome** *[Residues].* 039162

RESINS

Antimicrobial action of galbanum **[Gum** *resin* of Ferula gumosa]. 037190
Geographical differences in **leaf** *resin* components of Eremophila fraseri F. Muell. (Myoporaceae) [from Australia]. 035965
Determination of vitamin D3 and its isomers in D3 *resins* and in **mixtures** with vitamin A acetate. 032367
T3 *resin* **uptake** in protein-calorie malnutrition [Children]. 032163

RESONANCE

Use of broad-line NMR [nuclear **magnetic** *resonance]* to determine the amount of solid phase in cottonseed oil hydrogenates. 033213
Proton **magnetic** *resonance* study of troponin-C [Rabbits]. 033898
Nuclear **magnetic** *resonance* analysis of hydrogen and carbon isotopes of azulene extract derivatives of Eriocephalae punctulactus. 036860
Revision of the structure of the bisindole alkaloid 14',15'dihydropycnanthine. A carbon-13 nuclear **magnetic** *resonance* study [Gonioma malagasy]. 037065
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption polarization spectroscopy and nuclear **magnetic** *resonance.* 037656

Nuclear **nagnetic** *resonance* of lichenin [Musci, Cetraria islandica]. 037295
Forced oscillations and *resonant* **oscillations** of circular saw blades for log conversion. 3. Resonant speed of unsymmetric oscillations. 035768
Electron **paramagnetic** *resonance* studies of actin-lipid interaction in aqueous media [Fish processing]. 032850
Forced oscillations and resonant oscillations of circular saw blades for log conversion. 3. *Resonant* **speed** of unsymmetric oscillations. 035768
Electron **spin** *resonance* spectra of chicken hepatoma and liver tissue. 033702

RESORCINOL

Formation of 2,4-dihydroxybenzoic acid & *resorcinol* as **intermediates** in the degradation of salicylic acid by Aspergillus nidulans [Fungi]. 036992

RESPIRATION

Relation between diel activity and *respiration* in **Armigeressubalbatus** (Coquillett) (Diptera: Culicidae). 039856
Control of depth and frequency of *breathing* during **baroreceptor** stimulation in cats. 034008
Bovine *respiratory* syncytial virus in bovine respiratory pathology. 034987
Integration of chemoreceptor stimuli by rostral **brainstem** *respiratory* areas [Cats]. 034016
Rate of *respiration* of **breeding** stock sugarbeets stored in containers and in fixed storage areas. 037607
Respiration of the **cells** of corn roots during deceleration of the rate of root growth induced by reduced temperature. 037587
Features and complications of the **chronic** *respiratory* disease in the chicken. 035043
Chronic *respiratory* disease of poultry: vaccination against avian mycoplasmosis with the Mycovax vaccine. 035197
Problems of *respiratory* **diseases** in large calf stables. 035269
Respiratory **effects** of H+ [hydrogen ion] and dinitrophenol injections into the brain stem subarachnoid-space of fetal lambs. 033849
Reltionship between the presence of linolenic acid and the ability to **form** *respiration-deficient* mutants in yeast [Candida pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. 036948
Some results from research on **gas** exchange in the course of the *respiration* of the **grapevine.** 037724
Content of phoshorus of nuclei acids and the intensity of *respiration* in **leaves** and roots of wheat as affected by water deficit. 037569
Relationships between plant surface area and *respiration* in **loblolly** pine [Pinus taeda]. 037916
Respiration of **maleic** hydrazide treated and untreated onion bulbs during storage [Sprouting and behaviour]. 037629
Respiratory **measurements** as indicators of field emergence ability in peas. 037846
Evaluation of the precision of **measuring** *respiration* intensity of different plant species [Fruits and vegetables]. 037614
Activity of **medullary** *respiratory* neurones during reflexes from the lungs in cats. 034172
Characterization of the *respiratory* **metabolism** of the charophyte Nitella acuminata. I. Considerations of injury, ontogenetic status, and presence of polyphenol and glycolate oxidizing enzymes [Algae]. 037153
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of **mitochondrial** *respiratory* deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Effect of antibiotics & fungicides on endogenous **mycelial** *respiration* & growth of Rhizoctonia solani Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Cellular funds of sugars and *respiration* **[Peas].** 037858
Studies on lichen-dominated systems. XIV. The comparative ecology of Alectoria nitidula and Cladina alpestris **[Photosynthesis** and *respiration].* 036857
Correlation between photosynthesis and *photorespiration* in **plants** with different activity of photosynthetic apparatus. 036938
The role of *respiration* in **productivity** of Trifolium pratense [red clover] grown in central regions of Komi ASSR. 037376
Photosynthesis and *respiration* **rates** of ferns [Pteridophyta]. 036758
Locomotor activity and *respiration* of the **3rd** instar of Calliphora erythrocephala (Diptera, Calliphoridae). 039643
The interdependent effects of soil temperature and water content on **soil** *respiration* rate and plant root decomposition in arid grassland soils. 040804
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and *respiration* in **sprouting** potato. 037617
Clinical-laboratory evaluation of Trimerazin Polfa effectiveness in calves with *respiratory* **syndrome.** 035377
The *respiratory* **system** [Cats, diseases]. 034897
Dissipation and *respiration* **temperature** of young and aged leaves in the dark. 036918
A closed system for measurement of photosynthesis, *photorespiration* and **transpiration** rates [Plants]. 036828
The initial phase of **traumatogenic** *respiration.* 036725
Effect of cultivation conditions on the activity of *respiration* of **yeast** Saccharomyces bayanus. 037212

RESPIROMETRY

An automatic, continuous **flow** *respirometer,* its description and use. 041421

RESTORATION

Protection of Picea polita forest against typhoons and its *restoration* on the **damaged** area in Yamanaka Forest Reserve. 035465
Heterosis and combining ability in a spring wheat diallel cross. 3. **Fertility** *restoration* and seed set on male-sterile wheat. 036380
Tests of male **fertility** *restoration* in some common wheat varieties (Triticum aestivum L). 036382
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the **postradiation** *restoration* of hemopoiesis [in rats]. 034169

RESTRICTION

Influence of *restrictive* use of **antibiotics** on the development of drug resistance in intestinal Escherichia coli from pigs [Diarrhea]. 035171
1975 meat production down 3 percent, world trade **continues** *restricted* [Statistics]. 031596
Differential cleavate of Physarum [Fungi] DNA from distinct points of S phase by *restriction* **enzyme** Eco RI. 036930
Restriction **enzyme** digests of the heavy nucleolar satellite deoxyribonucleic acid of Physarum polycephalum [Fungi]. 037313
Aging and its relation to cell growth and differentiation in Drosophila [melanogaster] imaginal discs: developmental response to **growth** *restricting* conditions. 039900
PKU [phenylketonuria] collaborative study—clinical effects of **phenylalanine** *restricted* diets. 032305
The *restriction* of the **recombination** of mitochondrial DNA molecules in the zygotes of Saccharomyces cerevisiae [Yeasts]. 036593

RETARDANTS

Both concentration and quantity of *retardant* **affect** height of lilies [Culture]. 038297
An effective ammonia reactor for the continuous production of *fire-retardant* **cotton** fabrics. 031952
Effects of milk on *fire-retardant* **cotton** fabric. 031953
Flame-retardant **cotton** and synthetic fabric blends. 031955
Oxyluminescent behavior of *flame-retardant* **cottons.** 031958
A **durable** *flame-retardant* finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium chloride] and urea. 031951
Strength of individual fibers treated with the **flame** *retardant* THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an ammonia vapor cure]. 031959
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the **growth** *retardant,* tributyl [(5-chloro-2-thienyl)methyl] phosphonium chloride. 038772

RETARDATION

Effect of improved nutrition during pregnancy and lactation on **developmental** *retardation* and infant mortality. 032273
Behavior of four bush redpepper varieties treated with insecticidal oils for *retarding* **potato** virus Y. 038935
A laboratory evaluation of trash racks for drop inlets [to prevent plugging of closed-conduit spillways that release waer from *floodwater-retarding* **resevoirs].** 040539

RETENTION

Influence of freeze rate, thaw rate and glycerol level on **acrosomal** *retention* and survival of bovine spermatozoa frozen in French straws. 034664
Urinary phenolic acids of normal dogs & their *retention* in **acute** experimental uraemia. 035321
A note on the *retention* of **energy** and nitrogen in rabbits. 033739
Effect of polyelectrolyte molecular weight and stock agitation on **filler** *retention* [Paper manufacture]. 035881
The effect of endotoxin upon *retention* and **intracellular** liver distribution in rats. 035431
Influence of selection, age, sex and feeding on **meat** *retention* and fat content of ducks. 033670
Retention of **metals** in sewage sludge. 1. Constituent heavy metals. 041608
Retention of **metals** in sewage sludge. II. Incorporated radioisotopes. 041609
Retention **rate** in cows and heifers of intravaginal silastic coils impregnated with progesterone. 034692
Comparative metabolism of radionuclides in mammals. IX. *Retention* of **75Se** [selenium isotopes] in the mouse, rat, monkey and dog. 033909
Retention of **symmetrical** go-no go avoidance differentiation after prefrontal lesions in dogs. 033838
Eating quality and **thiamin** *retention* of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 032250
Effect of milling and baking on the *retention* of **thiamine** and riboflavin in some new wheat varieties of Pakistan. 033142
Water *retention* by core and sieved soil samples. 040785

RETICULITERMES

Possible formation and development of spirochaete attachment sites found on the surface of symbiotic polymastigote flagellates of the **termite** *Reticulitermes* flavipes. 039637

RETICULUM

The different fatty acid composition of lecithins in the **sacroplasmic** *reticulum* vesicles and the membranes of adrenal chromaffin granules [Cattle, rabbits, rats]. 034118
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on **sarcoplasmic** *reticulum* isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039

RETINA

Incorporation of (3H) [tritium]-arachidonic acid into **cattle** *retina* lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. 034101
The growth of the **chick** *retina* after hatching. 033735
Immunochemical analysid of water-soluble antigens of **chick** *retina* in the course of embryogenesis. 035106
Light inhibits the labelling of gangliosides in **chicken** *retina.* 034113
Chorioretinitis and **detached** *retina* as post-distemper lesions in the canine. 035100

RETIREMENT

The second half of your life (planning for *retirement)* **[Nutrition,** home management]. 032525

RETROGRADE

Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the *retrograde* **cell** degeneration method. 033701
Retrograde **transport** of horseradish peroxidase in afferent and efferent neurons from masseter muscle in the rat. 034115

REVERSIBILITY

The *reversible,* **light-induced** conversions of xanthophylls in the chloroplast. 036802

REVOLUTION

Will there be a **complete** *revolution* in the cultivation of tomatoes and cucumbers in regard to nutritional requirements? [Soilless culture]. 037715
Revolution in **concept** potentiality and achievements of pest control since independence [India]. 038987
Revolution of **continuity**—the personnel structure of the peasants of the Third Reich [History, social and political aspects]. 031055
One instrument of the **energy** *revolution:* the hot air pump [for buildings]. 040381
How green is the **green** *revolution* [in India]. 031042
Green *Revolution* [History of agriculture]. 031078
Pros and cons of **Green** *Revolution* [in agriculture]. 031079
Green *revolution* and agrarian conflict [Land reform laws inIndia]. 031834
Green *Revolution* and vital factors in steady increase in crop production and atmospheric nitrogen fixation in the slow oxidaton of organic matter by air and the protein problem. 031849
Green *Revolution*—promises and problems [in agriculture]. 031850
Impact of **Green** *Revolution* on Punjab. 031851
A study on new dual system of the rural sector in relation to the **Green** *Revolution.* 031909
George Harrar sets off the **Green** *Revolution* [Rural development programs, Mexico]. 031930
Role of agronomy in **green** *revolution* [in India]. 038017
Green *Revolution*—outlook of a horticulturist. 038374
Green *Revolution* and pests. 038998
Role of plant diseases in **Green** *Revolution.* 038999
Green *revolution* with or without tractors: the case of Sri Lanka. 040400
Green *Revolution* and mineral nutrient removal [from the soil] by wheat under different crop rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Green *Revolution* under limited nitrogenous fertilizer availability. 040979
Harness groundwater for **green** *revolution* [India]. 041280
The **quiet** *revolution* in the apple orchard. 038534

RHAGIUM

An assemblage of uropodid mites on a wasp's *[Rhagium* **inquisior]** nest. 039700

RHAGOLETIS

Bionomics and management of *Rhagoletis* **[Fruit** pests]. 039618

RHAMNUS

About a monoglucoside of emodine from the bark of *Rhamnus* **frangula.** 037189
Flavonoids of the leaves of *Rhamnus* **pallasii.** 036880

RHEOLOGY

Rheological **behaviour** of agricultural products [Maize]. 033277
On the *rheology* of **minced** meat. 033093
The effect of temperature on some *rheological* **properties** of wheat flour doughs. 033273
Rheological **properties** of agar-agar gels: the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [amansii, seaweeds]. 037137

RHEUMATISM
A *rheumatoid-like* **arthritis** in calves. 035310

RHINOTERMITIDAE
The frontal weapon of soldier **termites.** I. *Rhinotermitidae* 039817

RHINOTRACHEITIS
The prevalence of antibodies to bovine virus diarrhoea and infectious **bovine** *rhinotracheitis* viruses in diagnostic sera from New Zealand cattle. 035163
A feline calicivirus vaccine combined with feline **viral** *rhinotracheitis* and feline panleukopenia vaccine. 035060

RHIPICEPHALUS
On Rhipicephalus ticks of Gujarat, together with a description of a new **species**—*rhipicephalus* arakeri from a common Indian rat. 040125
The brown dog **tick** *(Rhipicephalus* sanguineus) on an imported dog. 039491
On *Rhipicephalus* **ticks** of Gujarat, together with a description of a new species—rhipicephalus arakeri from a common Indian rat. 040125

RHIZOBIA
Cross-reactive antigens and lectin as determinants of symbiotic specificity in the *Rhizobium-clover* **association.** 036175
Preliminary physiological studies on **cowpea** *rhizobia* [in Nigerian soils]. 040800
A method of **culturing** *Rhizobium* meliloti on porous granulesto form a pre-inoculant for lucerne seed. 040665
A comparison of DNA from free living and **endosymbiotic** *Rhizobium* leguminosarum (strain PRE) [Peas]. 037649
Production of cellulose microfibrils by *Rhizobium* **[Infection** of legumes]. 037355
Ultrastructure of *Rhizobium-induced* **infection** threads in clover root hairs. 038853
Lentil yield increases with *Rhizobium* **inoculation.** 038127
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root nodule bacteroids *[Rhizobium* **japonicum]:** presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051
Soil inoculation—good insurance *[Rhizobium* **japonicum].** 040838
Some morpho-physiological and symbiotic properties of polyploid forms of pea nodule bacteria *[Rhizobium* **leguminosarum,** alfalfa]. 037680
Studies of phage 1P receptors in Rhizobium trifolii and *Rhizobium* **leguminosarum** [Nodule bacteria]. 040554
On the development of nodular bacteria *[Rhizobium* **leguminosarum,** Rhizobium lupini] in the soil. 040686
A method for separation of slow-growing strains of nocule bacteria *[Rhizobium* **lupini]** from their mucus. 040568
On the development of nodular bacteria [Rhizobium leguminosarum, *Rhizobium* **lupini]** in the soil. 040686
Rhizobium in the **soil.** 040653
Fructose 1,6-bisphosphate aldolase activity of *Rhizobium* **species** [Nodule bacteria from lupine, peanuts and cowpeas]. 036947
Effects of bentazon and dinoseb on soil microorganisms and on the *Rhizobium-Leguminosae* **symbiosis.** 039182
Properties of some bacteriocins produced by *Rhizobium* **trifolii** [Fungi]. 037052
Plasmid deoxyribonucleic acid in Rhizobium vigna and *Rhizobium* **trifolii** [Mung beans, red clover]. 037362
Studies of phage 1P receptors in *Rhizobium* **trifolii** and Rhizobium leguminosarum [Nodule bacteria]. 040554
Plasmid deoxyribonucleic acid in *Rhizobium* **vigna** and Rhizobium trifolii [Mung beans, red clover]. 037362

RHIZOCTONIA
Pathochemical studies on *Rhizoctonia* **disease.** VI. Enzyme activities presumably related to production of phenylacetic acid by Rhizoctonia solani. 038734
Effect of antibiotics & fungicides on endogenous mycelial respiration & growth of *Rhizoctonia* **solani** Kuhn. & Colletotrichum capsici (Syd.) Butler & Bisby. 038640
Collar rot of the eggplant caused by *Rhizoctonia* **solani** Kuhn. 038724
Pathochemical studies on Rhizoctonia disease. VI. Enzyme activities presumably related to production of phenylacetic acid by *Rhizoctonia* **solani.** 038734
Poinsettia root and stem rot control in 4-inch pots [caused by *Rhizoctonia* **solani,** Pythium ultimum and Thielaviopsis basicola]. 038977

RHIZOGENESIS
General and specific features in the process of *rhizogenesis* in **stem** and leaf cuttings of kidney beans. 037678

RHIZOGLYPHUS
Passage of Verticillium albo-atrum [wilt of cotton] propagules through the alimentary canal of the bulb mite *[Rhizoglyphus* **echinopus].** 038771

RHIZOMES
Studies on the constituent of the *rhizome* of **Solanum** incanumL. 037030

RHIZOPERTHA *see* RHYZOPERTHA

RHIZOPUS
Microbial hydroxylation of steroidal delta 3,5 enol acetates *[Rhizopus* **arrhizus,** fungi]. 037292
Influence of various carbon souces and temperature on lipid composition of *Rhizopus* **arrhizus** [Fungi]. 037318
The effect of temperature on strains of soft fruit spoilage fungi [Botrytis cinerea, Mucor **mucedo,** *Rhizopus].* 038568

RHIZOSPHERE
Rhizosphere of **Abies** religiosa. I. Microbiology and microbial activity [Soil microorganisms]. 040789
Rhizosphere **fungi** and nematodes of eggplant as influenced by oilcake amendments. 038711
Rhizosphere **microorganisms**—opportunists, bandits or benefactors [Soil lives]. 040654
Influence of foliar nutrient sprays on the population of Fusarium oxysporum f. melonis and other soil microflora in the *rhizosphere* of **muskmelon.** 038693
Study of nitrogenase activity in the **mycorrhizal** *rhizosphere* of pine and oak [Pinus, Quercus]. 037889
Yeast flora of the *rhizosphere* and **phyllosphere** of plants. 037123
14C [carbon isotope]-labelled material leached from the *rhizosphere* of **plants** supplied continuously with 14CO2 [carbon dioxide isotope]. 040805
Effect of foliar application of chemicals on the survival of plant pathogens in the *rhizosphere* of **two** crop plants [Sorghum, Crotalaria juncea]. 038683
Biological changes in the *rhizosphere* of **wheat** after foliar application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. 037435

RHODNIUS
The mechanism of extension of the pleural pleat in **adult** *Rhodnius* prolixus. 039840
Incorporation of lipid into the epicuticle of *Rhodnius* **(Hemiptera).** 039826
Distribution of lipid in the lamellate endocuticle of *Rhodnius* **prolixus** (Hemiptera). 039825
The *Rhodnius* **testis:** hormones, differentiation of the germ cells, and duration of the molting cycle. 039667
The *Rhodnius* **testis:** hormonal effects on germ cell division. 039668
Lipid staining for the electron microscope: a new method [Tests with **tissues** of *Rhodnius].* 039827
Induction of transport of organic anions in Malpighian **tubules** of *Rhodnius.* 039847

RHODODENDRON
Rhododendrons in the **Atlantic** Provinces [culture]. 038444
Beta-sitosterol from *Rhododendron* **caucasicum** Pall stems and leaves. 037268
F1 crosses of evergreen and deciduous azaleas and other wide **crosses** of *Rhododendron.* 036627
Elepidote *rhododendrons* at Winterthur [Culture]. 038445
Rhododendrons in **Hawaii** [Varieties]. 038354
Rhododendron **kaempferi** and its rich variety. 036123
Conditions of growth and spreading of *Rhododendron* **luteum** Sweet (Ericaceae) on Slovechansko-Ovruchsky heights (Ukraine). 036840

RHODOPHYCEAE
The biology of Harveyella mirabilis (Cryptonemiales, *Rhodophyceae).* II. **Carposporophyte** development as related to the taxonomic affiliation of the parasitic red algae, Harveyella mirabilis. 036112
Antithamnion plumula (Ellis) Thur. In Le Jol. *(Rhodophyceae:* **Ceramiaceae)** in eastern Canada. 036073
Phycobiliproteins [in Cyanophyceae, *Rhodophyceae,* **Cryptophyceae,** algae]. 036799
Carrageenans in the cell walls of Chondrus crispus Stack. *(Rhodophyceae,* **Gigartinales).** I. Localization with fluorescent antibody [Algae]. 037152
Experimental studies on form variation in Antithamnion **plumula** *(Rhodophyceae)* [Algae]. 037138

RHODOPHYTA
Phenetic implications of structural features of the perennating phase in the life history of Porphyra and Bangia (Bangiophyceae, *Rhodophyta)* **[Algae].** 036340
Observations on **Batrachospermum** *(Rhodophyta)* in southeastern Wisconsin streams [Algae]. 036135
The red algae of the far eastern seas of the USSR; foliose cryptonemiacean algae (Cryptonemiales, *Rhodophyta)* **[New** taxa]. 035986

RHODOTORULA
Glucose repression of the inducible catabolic pathway for pentitols in *Rhodotorula* **gracilis** [Fungi]. 037305

RHUS
Ethylene and extraneous material formation in woody tissues [Eucalyptus, *Rhus,* **apricots].** 037162

RHYNCHOTA *see* HEMIPTERA

RHYSSA
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, *Rhyssa* **persuasoria** (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. 039705

RHYTHM
Multiple **circadian** *rhythms* regulate photoperiodic flowering responses in Chenopodium rubrum. 037673
Influence of local strychninization of the cerebral cortex on the **cortical** *rhythmic* afterdischarge [Cats]. 034193
Effect of photoperiod on **emergence** *rhythm* of adult Spodoptera littoralis Boisd. (Lepidoptera, Noctuidae). 039622
The *rhythm* of **milk** yield in dairy cattle [Lactation curve]. 034091
Dynamics of the circadian **mitotic** *rhythm* during formation of Haplopappus gracilis strains during culturing in vitro. 036462
Rhythm of **nutrient** mineral uptake by the poplar [Populus x euramericana] in an nursery. 037904
Monitoring pesticides by means of changes in electric potential caused by fish **opercular** *rhythms.* 039587
Rhythmic **oscillations** of phytochrome and its pelletability in Cucurbita pepa L. [Squash]. 037791
Regulation of **pineal** *rhythms* in chickens: effects of blinding, constant light, constant dark and superior cervical ganglionectomy. 033887
Rhythm of **potassium** absorption in relation with growth (pineapple and banana). 037746
Probabilistic distribution of dose rates in bony tissue as a function of the *rhythm* of **Sr90** (strontium isotope] administration and age of animals [Swine, dogs]. 034168

RHYZOPERTHA
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and *Rhizopertha* **dominica** F.) [Pests of stored grain]. 039428

RIBOFLAVIN
The activity of glutathione-reductase and flavin adenine dinucliotide effect as indicators of the *riboflavin* **allowance** in experiments and in patients with phenylketonuria. 032498
Changes of volatile fatty acids and *riboflavin* in **cecal** contents of rabbit in the in vitro fermentation. 034087
Effect of milling and baking on the retention of thiamine and *riboflavin* in some **new** wheat varieties of Pakistan. 033142
Determination of the *riboflavin* **nutritional** status of a pediatric population. 032267
Erythrocyte glutathione reductase activity as an index of *riboflavin* **nutritional** status in pregnant women. 032278
Influence of *riboflavin* on **xanthuria** developing as a result of protein and choline deficiency. 032492

RIBONUCLEASE
Isolation and characterization of two **alkaline** *ribonucleases* from calf serum. 033802
Extracellular **alkaline** *ribonuclease* of Penicillium brevicompactum [Fungi]. 036770
Isolation and properties of nonspecific **intracellular** *ribonuclease* of Aspergillus clavatus [Fungi]. 037221
Plant desiccation [of the drought-tolerant mass Tortula ruralis]: polysome **loss** not due to *ribonuclease.* 037260
The role of lysine in the action of bovine **pancreatic** *ribonuclease* A. 033782
In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rous sarcoma virus: lack of influence of RNase H *[Ribonuclease* H]. 035132
The difference in absorption of bull **seminal** *ribonuclease* by organ tissues of juvenile and adult mice. 033906

RIBONUCLEIC
Thermosensitive mutations affecting *ribonucleic* **acid** polymerases in Saccharomyces cerevisiae [Yeasts]. 036563
Synthesis of polyadenylic **acid-containing** *ribonucleic* acid during the germination of Neurospora crassa conidia [Fungi]. 037015
Reactivity of **avian** *RNA* tumor viruses with lectins. 035135
The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and **chloroplast** *aminoacyl-tRNA* synthetases during cotyledon development. 037364
Translation of *RNA* that **contains** polyadenylate from yeast [Saccharomyces cerevisiae] mitochondria in an Escherichia coli ribosomal system. 037243
Action of gamma-radiation on the nucleotide composition of *tRNA* of **cotton.** 037550
Polar distribution of *RNA* in **cytoplasm** of Acetabularia mediterranea [Algae]. 037271
Microanalysis of *RNA* from **defined** cellular components [Chironomus tentans]. 039874
Characteristics of the major internal protein and *RNA-dependent* **DNA** polymerase of bovine leukaemia virus [Cattle, sheep]. 035108

In vitro transcription of 70S RNA by the *RNA-directed* **DNA** polymerase of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. 035132
The effect of plant growth substances and natural products on *RNA* and **DNA** synthesis in leukocytes. 036927
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of *RNA* and **DNA** synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Effect of cordycepin triphosphate on the nuclear **DNA-dependent** *RNA-polymerases* and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. 036780
DNA-dependent *RNA* polymerases from yeasts [Saccharomyces cerevisiae]. 037100
Effect of heat shock on the synthesis of low molecular weight RNAs in Drosophila: accumulation of a novel **form** of 5S *RNA*. 039671
Extraction and purification of *tRNA* from **fruit** tissues [of tomatoes, pears, and apples]. 037805
Identification of **heat-dissociable** *RNA* complexes in two porcine coronaviruses. 035164
Comparison of an avian osteopetrosis virus with an avian lymphomatosis virus by *RNA-DNA* **hybridization.** 035129
Action of **immunogenic** *RNA* on lymphocyte replication [Mice]. 035055
Coding origin of **isoaccepting** *tRNA* in yeast [Saccharomyces cerevisiae] mitochondria. 036824
Further characterization of procollagen **messenger** *ribonucleic* acid from embryonic chick tendon cells. 034201
The synthesis and properties of the complete complementary DNA transcript of ovalbumin **messenger** *RNA* [Chickens]. 034584
Effect of estrogen on the synthesis and processing of ovalbumin **messenger** *RNA* in the chick oviduct. 034642
Polyacrylamide-gel electrophoresis of **messenger** *ribonucleic* acid extracted from cells infected with pig herpes virus 1. 035216
The synthesis of **messenger** *RNA* in the cellular slime mold Dictyostelium discoideum. 036550
Chloroplast **messenger** *RNA* from etiolated pea seedlings. 037745
Abundant species of **poly(a)-containing** *RNA* from Saccharomyces cerevisiae [Yeasts]. 036807
Comparison of *RNA* **polymerase** associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. 035130
Purificaton and characterization of *RNA* **polymerase** I from a higher plant [Soybeans]. 037363
Comparison of RNA synthesis by bacterial [Escherichia coli] *RNA-polymerase* on **polytene** chromosomes of Drosophila with transcription in living cells. 039926
Biosynthesis of *tRNA* in the **posterior** silk gland of Bombyx mori. 040238
Processing of *tRNA* **precursors** in higher organisms [Includes Drosophila]. 039798
Study of the *RNA* and **protein** synthesis in meristems of potato tubers and the effect of growth regulators of a phenylic nature on these processes. 037683
The synthesis of 5S *RNA* and its **relationship** to 18S and 28S ribosomal RNA in the bobbed mutants of Drosophila melanogaster. 039754
Ribosomal *RNA* genes in the nucleus and chloroplast of Euglena [gracilis, algae]. 036278
Detailed analysis of the **ribosomal** *RNA* synthesis in yeast [Saccharomyces carlsbergensis]. 036811
Incorporation of cytokinin N6-benzyladenine into tobacco callus transfer ribonucleic acid and **ribosomal** *ribonucleic* acid preparations. 037813
The synthesis of 5S RNA and its relationship to 18S and 28S **ribosomal** *RNA* in the bobbed mutants of Drosophila melanogaster. 039754
Preparation of *RNA* and **ribosomes** from yeast [Sacchomyces cerevisiae]. 037108
In vitro transcription of 70S *RNA* by the **RNA-directed** DNA polymerase of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. 035132
Quantitative analysis of the rescue of *RNA* **sequences** by mammalian type C viruses. 035134
The character of functional associations of neurons determined by *RNA* and **SH** [sulfhydryl]-groups in the cat brain cortex. 034219
Content of *RNA* and **sulfhydryl-groups** in swine zygotes during natural ovulation and hormonal stimulation. 034806
Enhanced inhibition of *RNA* **synthesis** by amanitins in in vitro cultured cells [Amanita phalloides, poisonous fungi]. 036925
The relationship of chlorophyll biosynthesis to protein and *RNA* **synthesis** in greening and green leaves. 036977
Molecular mechanisms of stimulating effect of ionizing radiation on seeds: Activation of *RNA* **synthesis** [Castorbeans]. 037249
Study of the localization of *RNA* **synthesis** in fine structure of chloroplasts [Peas]. 037682
Comparison of *RNA* **synthesis** by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. 039926
Studies on stable and during early imbibition phases **synthesized** *Poly(A)-RNA* of Agrostemma githago embryos. 036926
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and *aspartyl-tRNA* **synthetases** from the fungus Verticillium dahliae. 036887
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the *r-RNA* and **TB-RNA** from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
Interaction of tryptophan **transfer** *RNA* with Rous sarcoma virus 35S RNA. 035165
Small-angle X-ray scattering study of the interaction between lysine **transfer** *RNA* ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057
The kinetics of codon-anticodon interaction in yeast phenylaline **transfer** *RNA*. 037058
Structure of yeast phenylalanine **transfer** *RNA* at 2.5 A [angstrom] resolution. 037242
Purification of methionine-accepting **transfer** *ribonucleic* acid from Scenesmus obliquus D3 [Algae]. 037310
Incorporation of cytokinin N6-benzyladenine into tobacco callus **transfer** *ribonucleic* acid and ribosomal ribonucleic acid preparations. 037813
Interaction of tryptophan transfer RNA with Rous sarcoma **virus** 35S *RNA*. 035165
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several *RNA* **viruses** [Chickens]. 035133
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and *TB-RNA* from **Zea** mays [maize] leaves and Sinapis alba cotyledons. 036920

RIBONUCLEOTIDES

Ribonucleotide **sequence** homology among avian oncornaviruses. 035136

RIBOSE

Poly(adenosine **diphosphate** *ribose)* glycohydrolase in Physarum polycephalum [Slime molds]. 036786

RIBOSOMES

Ribosomal **cistrons** in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus cells. 037894
Ribosomal **cistrons** in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895
Translation of RNA that contains polyadenylate from yeast [Saccharomyces cerevisiae] mitochondria in an Escherichia **coli** *ribosomal* system. 037243
Identification of the small subunit of ribulose 1,5-bisphosphate carboxylase as a product of wheat leaf **cytoplasmic** *ribosomes*. 037357
Cold-sensitive mutants of Drosophila melanogaster **defectivein** *ribosome* assembly. 039747
Ribosomal **DNA** transcription products during the first steps of magnification in Drosophila melanogaster. 039859
Co-ordinate synthesis of *ribosomes* and **elongation** factors in the liver of immature chicks following a metabolic shift-up. 034066
The immunogenic activity of *ribosomal* **fractions** derived from Brucella abortus [Mice, guinea pigs]. 035115
Iron-loading: effect on the activity of **liver** *ribosomes* in protein synthesis in rats [Nutrition study]. 032413
Phosphorylation of *ribosomal* **proteins** from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, wheat, rabbits]. 036819
Ribosomal **proteins** and the origin of plastids. 036972
A study of the *ribosomal* **proteins** and subunits of pea seeds by the method of electrophoresis in polyacrylamine gel. 037648
Incorporation of cytokinin N6-benzyladenine into tobacco callus transfer ribonucleic acid and *ribosomal* **ribonucleic** acid preparations. 037813
Ribosomal **RNA** genes in the nucleus and chloroplast of Euglena [gracilis, algae]. 036278
Detailed analysis of the *ribosomal* **RNA** synthesis in yeast [Saccharomyces carlsbergensis]. 036811
The synthesis of 5S RNA and its relationship to 18S and 28S *ribosomal* **RNA** in the bobbed mutants of Drosophila melanogaster. 039754
Preparation of RNA and *ribosomes* from **yeast** [Sacchomyces cerevisiae]. 037108

RIBULOSE

Identification of the small subunit of *ribulose* **1,5-bisphosphate** carboxylase as a product of wheat leaf cytoplasmic ribosomes. 037357

RICE

Mechanized direct-seeding of *rice* **adapted** to heavy rainfall condition in southeastern Japan. 038052
Herbicides on *rice* [**Aircraft** application]. 039094
Income and resource productivity of **alternative** *rice* farm cropping patterns in Bicol. 031471
Studies on resistance of *rice* to the **attack** of Meloidogyne graminicola. 039084
A gene action for avirulence partially affected by mutation in *rice* **blast** fungus [Pyricularia oryzae]. 038571
Polysaccharide-degrading ability of *rice* **blast** fungus [Pyricularia oryzae] of a different pathogenicity and virulence. 038573
Purification and characterization of lipolytic acyl-hydrolases from *rice* **bran.** 033249
Registration of **Brazos** *rice*. 037997
Zinc deficiency in **California** *rice*. 038966
Influence of special ecological conditions on growth, metabolism, and potassium nutrition of tropical crops (as exemplified by the **case** of *rice).* 037450
Mutational **changes** in *rice*. 036682
Biochemical and cytological studies of mitochondrial development in **chloramphenicol-induced** *rice* coleoptiles. 037360
Fungicidal control of secondary air-borne infection of brown leaf spot of *rice* [**Cochliobolus** miyabeanus]. 038652
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on *rice,* **corn** and sorghum plant. 037544
Transformation factor from carbon dioxide net assimilation to dry weight in **crops.** III. *Rice.* 037547
Preparation TUR on *rice* **crops** [for lodging control]. 039087
The recent development of *rice* **cultivation** in the Soviet Union. 038186
Vegetative proliferations of floral spikelets in Oryza sativa L. *[Rice].* VI. **Development** of proliferated spikelets (propagules) by means of soil cultivation. 036621
Weather conditions and airborne conidia of Helminthosporiumoryzae in west Bengal [Brown spot **disease,** *rice].* 038667
Study of **early** *rice* in Madagascar (Diego-Suarez area). 037966
Evaluation of evapotranspiration of *rice* by **empirical** methods. 037440
Purification and characterization of lipolytic acyl-hydrolases from *rice* **endosperm.** 033250
Performance of *rice-transplanters* as **evaluated** by national test. 040490
Genetic and chemical characteristics of Meadow Gley soils in the *rice* **fields** of Primor'ye. 040825
N [nitrogen] balance in **flooded** *rice* culture in relation to methods of application. 040851
Incidence of *rice* **gall** midges Pachydiplosis oryzae Wood-Mason) as affected by variations in some cultural practices of rice. 039280
A method of quantification of the infection phenomenon in blast disease [Pyricularia oryzae] of *rice* for the use in **genetical** studies. 038669
Scanning electron microscopy of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and **glutinous** *rice*. 033196
Rice: going with the **grain** for profits. 032636
Notes on *rice* **growing** in Costa Rica. 037963
The prevention of the formation of shallow water and the utilization of diked lands in the zone of the Krasnodar Reservoir [for **growing** *rice].* 041275
Sheath rot [Acrocylindrium oryzae] of *rice* **[India].** 038779
Process of dry matter accumulation into the kernel and grain characteristics of Japonica and **Indica** *rice* [Varieties]. 033288
Pleiotropic effect of waxy gene in **indica** *rice* [Varieties]. 036579
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [rice tungro virus] **infected** *rice* varieties. 038909
A case of induced double interchange in *rice* **involving** six chromosomes. 036595
The construction of profile embankments [for *rice* **irrigation**] from overmoistened cohesive earth in the conditions of the Maritime territory. 041267
Registration of **Lebonnet** *rice*. 036444
Breakage of **long-grain** *rice* in relation to kernel thickness. 033201
Potassium response of *rice* in **Madagascar.** 040964
A cropping pattern for uplands of Orissa *[Rice,* **maize,** mustard]. 038024
Effect of coal fertilizer and Thomas phosphate in **manuring** *rice*. 040978
Measurement of the size and size distribution of **milled** *rice* [Grading, standards]. 031981
Digestibility of finishing rations containing **milled** *rice* or corn [Beef cattle]. 034441
Traditional and **modernized** *rice* growing methods in Lower Casamance (Senegal). 037967
Reflexions on the choice of the parents and some ways of developing **new** *rice* varieties (Oryza sativa L.). 037964
Scanning electron microscopy of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of *rice* **(nonglutinous)** and glutinous rice. 033196
Changes in the activity of some oxidases in different organs of *rice* during its **ontogenesis.** 037422
Diallel cross experiment among Sikkimese varieties, indica and japonica testers of *rice,* **Oryza** sativa L. III. Morphological characters. 036582
Seed-borne fungi of *rice* **(Oryza** sativa) in Nigeria [Drechslera oryzae, Pyricularia oryzae, Trichoconis padwickii]. 038795
Inheritance of resistance to bacterial leaf blight [Xanthomona **oryzae**] in *rice*. 038865
Emergence and organ elongation of seedling of **paddy** *rice* sown under upland field condition as affected by specific gravity and weight of seed. 037542
Phosphorus-deficient *rice* soils of India. 040577
Greater utilisation of sunlight by crop plants for maximising yield *[Rice,* **photosynthesis].** 037451
Short height of the *rice* **plant** and good panicle exertion. 036260
Male sterility caused by cooling treatment at the young microspore stage in *rice* **plants.** XI. Effects of some substanceson sterility. 036620

Effects of daylength, temperature and nitrogen level on the heading of *rice* **plants** under the controlled environments. 037540
Effects of the amount of nitrogen absorbed up to the stage of 90 in leaf number index on the morphological characteristics, the degree of lodging and the yield components in *rice* **plants.** 037541
On the development of the crown root primordia in *rice* **plants.** 037543
Causal agent of "waika" [virus] disease of *rice* **plants** in Japan [transmitted by Nephotettix cincticeps]. 038882
Small spherical virus particles found in *rice* **plants** infected with the "waika" disease. 038885
Transmission by green leafhopper, Nephotettix cincticeps Uhler of a new dwarf [virus] disease in *rice* **plants.** 038887
Incidence of rice gall midges Pachydiplosis oryzae Wood-Mason) as affected by variations in some cultural **practices** of *rice.* 039280
Nutrient content of wheat and *rice:* **present** knowledge, future problems, and needed research. 032199
Drying and **processing** *rice* grain in the Maritime territory. 033309
Economising nitrogen fertiliser use for *rice* **production** in West Bengal. 040920
The radiation-resistant red bacterium [Pseudomonas **radiora]from** *rice.* 038863
Notes on **rainfed** *rice* culture in Japan. 037961
Notes on **rainfed** *rice* growing in central Brazil. 037962
Seven year multilocal experimentation on **rainfed** *rice* crops in Senegal (1967-1973). 037965
Perpetuation of Pyricularia oryzae Cav. Through infected seeds in Vidarbha **region** *[Rice].* 038702
Registration of M5 *rice.* 036445
Kinetics of batch drying of deep-bed **rough** *rice* using dimensional analysis. 033205
Genic analysis for acid phosphatase isozymes in Oryza perennis and Oryza **sativa** *[Rice].* 036407
Effect of dimethyl sulphoxide in combination treatments with diethyl sulphate in the induction of chlorophyll mutations in Oryza **sativa** L. *[Rice].* 036555
Localization of gamma globulin in *rice* **seed** and changes in gamma globulin content during seed development and germination. 037338
Mitotic activity in *rice* **seedlings** germinating under oxygen deficiency. 037474
Dehydrogenases of *rice* **seeds** with varying germination rate. 037536
The physiology of **silicon** in *rice.* 037592
Effect of submergence on the physico-chemical and chemical changes in different *rice* **soils.** I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
Tissue cultures of maize, wheat, *rice* & **sorghum.** II. Growth & nutrition of callus cultures. 037455
Tissue cultures of maize, wheat, *rice* & **sorghum.** III. Growth & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Tissue cultures of maize, wheat, *rice* & **sorghum.** IV. Studies of organ differentiation in tissue cultures of maize, wheat & rice. 037457
Tissues cultures of maize, wheat, *rice* & **sorghum.** I. Initiation of viable callus & root cultures. 037458
Structures of multi-branched dextrins produced by saccharifying alpha-amylase from *[rice]* **starch.** 033262
High-pressure liquid chromatographic analysis for triamcinolone acetonide in *rice* **starch.** 033263
Sex pheromone of *rice* **stem** borer [Chilo suppressalis]; purification and chemical properties. 039251
Preliminary studies on screening of insecticides for the control of *rice* **stem** borer [Tryporyza incertulas]. 039252
Fermented feed production from *rice* **straw.** 033499
Ruminal properties and plasma free amino acids of cows fed purified diets containing urea or soy protein together with *rice* **straw.** 034425
Purification of *rice* **stripe** virus [transmitted by Laodelphax striatellus]. 038884
Early effects of feeding lysine and threonine deficient and **supplemented** *rice* diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
Phosphate fertilizing of *rice* in **Surinam;** a summary of results. 041102
Vertical distribution and survival of Sclerotium oryzae [stem rot of *rice]* under various **tillage** methods [Cultural control]. 038776
Yield increase through identification of the most favourable sowing **time** *[Rice].* 038187
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV *[rice* **tungro** virus] infected rice varieties. 038909
Studies on the compatibility of foliar application of urea with weedicide, fungicide and insecticide in **upland** *rice.* 040909
Rice **varieties.** 037957
A sample survey on the performance of high yielding and local paddy *[rice]* **varieties** in relation to the agronomic practices at Mangalore. 038083
Biochemical changes in leaves of different *rice* **varieties** due to tungro virus infection. 038908
Tissue cultures of maize, wheat, rice & sorghum. IV. Studies of organ differentiation in tissue cultures of maize, **wheat** & *rice.* 037457
Scanning electron microscopy of the endosperm of cereal crops. 3. Starch cell layer of **white-core** *rice.* 033195
Record crops lift **world** *rice* supply, depress trade. 031609

RICIN

Effect of *ricin* on **biosynthesis** of myeloma protein (IgA) [immunoglobulin A] and general cellular proteins in MOPC-315 cells [Castorbeans]. 037361

RICINUS

Vegetative and reproduction habits of **castorbean** *(Ricinus* communis) as affected by the nutrient area [Spacing]. 038556
Cellular energy dependent agglutination of rat ascites tumor cells mediated by concanavalin A and *Ricinus* **communis** agglutinin. 036809
First contribution to the ecological study of **Ixodes** *ricinus* (Linne, 1758) (Acarina, Ixodoidea) in southeastern France. 039436
The role of mammals in natural foci of tick-borne **[Ixodes** *ricinus]* encephalitis in Central Europe. 039457

RICKETS

Antirachitic **activity** of lumisterol-3 [Chickens]. 033753
Epidemiological and dietary aspects of *rickets* and **osteomalacia.** 032449
Increased bone mineral content in young adults with familial hypophosphatemic vitamin D **refractory** *rickets.* 032386
Mechanism of the development of **strontium** *rachitis* [in chickens]. 035389

RICKETTSIA

Electron microscopic investigations on the occurrence of *rickettsia-like* **bacteria** in the roots of Erica gracillis Salisb. 038874
Bacterial and *rickettsial* **diseases** [Cats]. 035067
Enhancement of the antigenic activity and virulence of the vaccine strain E of *Rickettsia* **prowazeki** by passages in cell culture [Chick embryos]. 034958
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in central Slovakia with Coxiella burneti and *rickettsiae* belonging to of the **spotted** fever (SF) group. 039472

RIDGES

The **algal** *ridges* and coral reefs of St. Croix: their structure and Holocene development. 036177
Floristic materials from the **Besaparski** *ridges* and criticalnotes. II. 036011
Residues of carbaryl [insecticide] in *ridge* **gourd** (Lufa acutangula Roxb.: Cucurbitaceae). 039230
Morphogenesis of intestinal villi. II. Mechanism of formation of **previllous** *ridges* [Chick embryos]. 034053
Studies on lichen-dominated systems. XVI. Comparative patterns of net CO2 [carbon dioxide] exchange in Cetratia nivalis and Alectoria ochroleuca collected from a **raisedbeach** *ridge.* 036859
Hydrologic instrumentation in the research watersheds: St. Louis Heights and **Waahila** *Ridge,* Oahu, Hawaii. 041304

RIGID

Rigid **polyurethane** foams from diethanolamides of carboxylated [linseed and soybean] oils and fatty acids. 033258

RINDERPEST

Studies on the evaluation of the measles haemagglutination-inhibition test for *rinderpest* in **Gujarat** State [Cattle]. 035086

RINDS

Effect of ethylene on chlorophyllase activity and chlorophyll content in **calamondin** *rind* tissue. 033386
Watermelon *rind* necrosis [Erwinia, Bacillus] in Imperial Valley. 038855

RING

Liberty **Bell** *rings* of good nutrition. 032554
The disturbance of physiological gradient of flowering in the photoperiodically neutral species by means of *ringing* and **biologically** active substances [Tobacco]. 037397
Moths of the families Sphingidae, Notodontidae and Agaristidae observed in *Ku-ring-gai* **Chase** National Park, New South Wales. 039985
Metabolism of limonoids: **Limonin** *D-ring* lactone hydrolase activity in Pseudomonas [compared to that of grapefruit seeds causing bitterness of juices]. 033414
Bone resorbing activity of vitamin D metabolites and congeners in vitro: influence of hydroxyl **substituents** in the a *ring.* 032215
Palaeotemperatures from **tree** *rings* and the D/H [deuterium/hydrogen] ratio of cellulose as a biochemical thermometer [Pinus radiata]. 035838

RINGSPOT

Aggregation properties of carnation **[Dianthus** *caryophyllus]ringspot* virus. 038931

RIPENING

Accelerated *ripening* of 'Alphonso' mangoes by the application of Ethrel. 038510
Development of microbial flora of "Caciotta" ewe's milk **cheese** during *ripening.* 032943
Importance of **cream** *ripening* for butter spreadability. 033003
Ripening of **date** fruits as affected by ethephon. 038292
Organoleptic and chemical evaluation of flavour changes during storage of ghee prepared from fresh and *ripened* **desi** butters. 032966
Amino acid content of **Domiati** *ripened* market cheese. 032931
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin **[fruit** *ripening* inhibitor] tomato mutant [in storage]. 033388
Changes in the composition of nitrogen fractions in the *ripening* **grain** of cereals. 037499
The activity of alpha-amylase in the *ripening* **grain** of different rye varieties as affected by some environmental factors. 037505
Change in activity of certain oxidative enzymes in apples and pears during **growth** and *ripening.* 037719
Microbiology of *ripening* **honey.** 032721
Contribution of lipid to aroma of *ripening* **mango** (Mangiferaindica L.). 033421
Studies on hydrogen sulphide in Cheddar cheese at differentstages of its **manufacture** and *ripening.* 032971
Late-ripening **peach** cultivars: remarks on some new cultivars that should replace the [variety] J. H. Hale [in Italy]. 038383
Role of stem-fruit relation in the *after-ripening* **process** of red peppers. 037616
Ripening **response** of green tomatoes to ethylene concentration and temperature. 037677
Technological control of dry **sausage** *ripening.* V. Quality of dry sausages as a function of molecular weight of added carbohydrates. 033068
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of **seed** *ripening,* germination and development of seedling. 037439
Peroxidase activity in Golden Delicious apples as a possible parameter of *ripening* and **senescence** [in storage]. 033415
Investigations into the *ripening* of **wheat** affected of various amounts of nitrogen fertilizer. 037493

RIVERS

On the ecology of caddisflies (Trichoptera) from mountain streams of southern Tien-Shan (The fauna of the **Ak-Bura** *river).* 039717
Evaluation of an extensive sediment control effort in the Los **Angeles** *River* basin [Flood Prevention Project]. 041373
Variation and causative factors of sediment yields in the **Arkansas** *River* basin, Kansas. 041397
Soils of the Volga and the Don *River* **basins.** 040716
Lake Powell sedimentation surveys **[Colorado** *River* Storage Project]. 041375
Sediment control at Imperial Dam **[Colorado** *River,* flood control]. 041381
Sediment problems in the Mohave Valley—a case history **[Colorado** *River* Management]. 041382
Timber resource statistics for the **Copper** *River* Inventory Unit, Alaska, 1968. 035613
The manipulation of the flow of solid substances during the water intake from the Amu **Darya** *River.* 041272
Soils of the **Euphrates** *river* valley and their reclamation. 041160
The effect of drainage on the *river* **flow** and evaporation. 041268
Telemetric surveillance system for water quality management on the lower **Fox** *River.* 041327
Variation in chemical composition of the *River* **Frome,** England, from 1965 to 1972. 041248
System of open and ground waters on meadows of the **Huczwa** *river* valley near Werbkowice. 041464
Nutrient budgets in the **Hudson** *River* estuary [Sewage treatment, water pollution]. 041472
The Volta, an **international** *river* basin. 041228
The reservoir on the **Karadarya** *River* [Dam structure, irrigation]. 040362
The economics of water oriented outdoor recreation in the **Kissimmee** *River* Basin [Land use]. 031165
Analysis of **Kissimmee** *River* flows for water quality effects. 041297
An application of stochastic process in flood frequency analysis for **Lanyang** *River* at Lanyang Bridge. 041429
Jet boat: tellurometer technique for measuring streamflow in **large** *rivers.* 041308
Presentation of geomorphological and hydromorphological maps of the upper basin of the **Lebrija** *River* (Santander Department) [Colomiba, soil erosion]. 041173
Flood protection control in the upper **Lippe** *River* basin. 041449
Plant cover formation on reclaimed meadows in the **Lyna** *river* valley near Olsztyn. 036254
Difficulties in reclamation of river valleys with mineral soils (exemplified by the **Mienia** *river).* 041215
Biological potential for the loblolly pine [Pinus taeda] ecosystem east of the **Mississippi** *River.* 036252
Channel changes produced by the 1973 flood on the lower **Mississippi** *River.* 041367
Strategies for monitoring environmental impacts on the upper **Mississippi** *River.* 041585
Channel improvements of the **Missouri** *River* [Drainage]. 041368
Rural land use in the **Monongahela** *River* Basin [West Virginia]. 031166

Experience of utilization of water intakes on **mountainous** *rivers.* 041256
The **Niagara** *River* acoustic streamflow measurement system. 041332
Process of drying up and differentiation of peat bog meadows in the **Notec** *river* valley [Soils, reclamation]. 038217
Alluvial process in reclamation of meadows in the **Opatowka** *river* valley. 038213
Agricultural implications of the **Ord** *River* Dam. 031304
Hydrologic land use classifications of the **Patuxent** *River* watershed using ERTS [Earth Resources Technology Satellite]-1 digital data. 041365
The influence of thinning upon defoliation by the gum leaf skeletonizer [Uraba lugens] in *river* **red** gum [Eucalyptus camaldulensis] forests. 039387
A chloride reduction model for the **Rhine** *River* [Water pollution]. 041559
Downstream drift of invertebrates in a *river* in **southern** Ghana [Aquatic insects]. 039745
The use of natural Pb-210 [lead isotope] as a heavy metal tracer in the *river-estuarine* **system.** 041216
Vegetation survey of the **Tarawera** *River* and environs, North Island, New Zealand. 036235
[Meadow] plant communities in the **Tysmienica** *river* valley before and after regulation of water conditions. 036257
The development of a harmonized monitoring programme for *rivers* in the **United** Kingdom [Water quality]. 041422
One hundred and twenty years of cooperation in control of floods and interior waters on the left bank of the **Vah** *River.* 041227
Problems of melioration and meadow management in *river* **valeys;** proceedings of a conference organized by the Committee for Melioration, Meadow Management and Peat Science in Wagrowiec, September 24-26, 1973. 038216
Transformation trends of plant cover and peat sites in *river* **valleys** under the influence of human activity. 036256
Occurrence and production potential of more important kinds of meadows in *river* **valleys** and their reclamation needs. 038215
Difficulties in reclamation of *river* **valleys** with mineral soils (exemplified by the Mienia river). 041215
Continuous trench construction method and grouted anchorage for regulation of the **Vecht** *River* in Schuettorf [Flood control]. 041443
Determination of inorganic pollutants in *river* **water** with ion selective electrode. 041604
Peculiarities of soil genesis in the deltaic-alluvial valleys of Juba and **Webi-Shebeli** *rivers* (equatorial Somali). 040614
State of Wisconsin automatic water quality monitoring system for the Fox and **Wisconsin** *Rivers.* 041325
Studies of tolerance to heavy metals in the flora of the *rivers* **Ystwyth** and Clarach, Wales [Algae, pollution monitoring]. 036951
An automated management system for the complex water installations on **Zeravshan** *River* [Irrigation]. 041253

ROADS

Construction of the network of **country** *roads* in the German Federal Republic [Maintenance]. 040394
Effects of water on **country** *road* construction. 040395
Thoughts and suggestions for the construction of **country** *roads.* 040396
Defining the sediment trapping characteristics of a vegetative buffer. Special case: *road* **erosion** [Soil conservation]. 041176
Organization of the site of building and the use of machines in **forest** *road* construction. 035517
On the opening of the **forest** *road* with staff's own effort in the Ehime University Forest (Komenono, Matsuyama City). 035531
On the protection work of the **forest** *road* in the forest road in the Ehime University Forest. VI. Examination of native Japanese vegetation. 2. 035532
A suitable transition curve to the **forest** *road*—the locus of the front wheel of the truck. 035566
Some elements of traffic in the light of direct measurements on **forest** *roads.* 035624
On the dynamic activity of the MAZ-509 logging truck on tract surface of ferroconcrete slabs [**Forest** *roads].* 035813
Regional distribution of construction of log **transport** *roads* in the Carpathians. 035586

ROCK

Normapolles pollen from the Mississippi embayment. Taxonomy and stratigraphic ranges of Normapolles genera and species found in Mississippi **embayment** *rocks* [New taxa]. 036020
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of *Rocky* **Mountain** Spotted Fever. 039482
Manual of the rushes (Juncus spp.) of the *Rocky* **Mountains** and Colorado Basin. 036167
Effect of *rock* **phosphate** in cojunction with organic matter in increasing the essential oil contents of Mentha arvensis. 038547
Profitable production of potato in feebly alkaline soil by application of energy rich materials alone and with *rock* **phosphate** and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Influence of different organic materials with and without *rock* **phosphate** and urea on reclamation of highly saline and alkaline soil. 041161
The microbial flora of *rock* **shrimp** Sicyonia brevirostris. 032099
Range management in the central and **southern** *Rocky* Mountains: a summary of the state of our knowledge by range ecosystems. 038175

RODENTICIDES

Physiological and psychological analysis of the acceptability of **acute** *rodenticides* by rats. 039020

RODENTS

The induction of obesity in *rodents* by **means** of monosodium glutamate. 032190
A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and **Pappogeomys** *(Rodentia:* Geomyidae) [New taxa]. 040108

ROOFS

Fungi isolated from discolored **asphalt** *roofing* shingles. 035699
Roofing **farm** buildings. 040351
Bowing in *roof* **joists** induced by moisture gradients and slope of grain [Wood]. 035889
Performance of [wood] *roof* **trusses** with metal-plate connectors. 035754

ROOMS

Analysis of the Diesel motor noise of tractors in a **brake** *room.* 040407
Humidity inside the hive and brood activity by the honeybee (Apis mellifica L.) in a **flight** *room.* 040194
Humidity inside the beehive and brood activity of the honeybee (Apis mellifera L.) in a **flight** *room.* 040195
Raising tomato plants under artificial light in greenhouse and in the **growing** *room.* 037876
Microbial contamination of meat in boning and **packing** *rooms.* 032117
Designing the **pelting** *room* [Skinning fur-bearing animals]. 033102
Domiati cheese stored at *room* **temperature** as affected by heat treatment of milk and different salting levels. 032935
The storage of cow eggs at *room* **temperature** and at low temperatures [Reproductive physiology]. 034702
Test *rooms* for agricultural machines. 040435

ROOSTERS *see* FOWL

ROOTING

Action of growth substances on the initial development of sugarcane [shoots] treated with hot water [**Budding,** *rooting].* 037378
Influence of nutrition on *rooting* **capacity** of [glasshouse ornamental] cuttings. 037787
Rooting **cuttings** of Crimson Pygmy Barberry [Berberis thunbergi]. 037834
Rooting of **cuttings** from tops and stumps of American elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Ethrel as an aid in *rooting* **[Horticulture].** 038248
Effects of [the fertilizer] Osmocote in the *rooting* **medium** and auxin levels on rooting and subsequent growth of cuttings [Ilex, Ligustrum japonicum, Juniperus chinensis]. 041068
Rooting of **walnut** [Juglans] grafts depending on the supply of water. 037667
Investigations on the role of gibberellic acid (GA3) and chlorocholine chloride (CCC) in the process of *rooting* of **willow** (Salix viminalis L.) cuttings. 037901

ROOTS

Availability of anions in the growth medium to *roots* of an **actively** growing plant. 037136
Effect of aeration on the flood-induced formation of **adventitious** *roots* and other changes in sunflower (Helianthus annuus L.). 037529
Chemotropic effect of metal cations on Sinapis alba L. [Mustard] *roots* as **affected** by some factors. 037662
Tree density **affects** *large-root* distribution of 'Washington' navel orange trees. 038366
A microbiologist's view of *root* **anatomy.** 036315
Soil chemistry and accumulation by *roots* of **artificial** radionuclides in crop yields [Radioactive contamination]. 040743
Effect of nitrogen on the uptake of selenite-selenium by excised **barley** *roots.* 040865
Effect of some aromatic amines of mitotic activity of meristematic cells of maize and **bean** *roots.* 037373
Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in **burdock** *root* tea [Atropa lappa]. 036928
Anatomical and histological study of the **cabbage** *root* fly Hylemya brassicae rectum on the occurrence of a pheromone gland. 039871
Cassava storage; post-harvest deterioration and storage of fresh **cassava** *roots.* 033468
A new carbazole alkaloid and coumarins from *roots* of **Clausena** anisata. 037156
Ultrastructure of Rhizobium-induced infection threads in **clover** *root* hairs. 038853
Relationship between *root* **color** and economically valuable traits in tetraploid hybrids between sugar and mangel-wurzel beets. 036468
The epidemiology of **common** *root* rot [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on subcrown internodes and the effect of added phosphate. 038587
Isolation of plasma membranes from **corn** *roots* by sucrose density gradient centrifugation: an anomalous effect of Ficoll. 037522
Respiration of the cells of **corn** *roots* during deceleration of the rate of root growth induced by reduced temperature. 037587
Extractable protein from the by-product vegetation of some cole and *root* **crops.** 033325
Evaluation of the feed [nutritive] values of *root* **crops.** 033555
On the development of the **crown** *root* primordia in rice plants. 037543
Crushing *roots* by cutting [Sugarbeets]. 033139
The relationships among Umbelliferone, growth and peroxidase levels in **cucumber** *roots.* 037625
The quiescent center and primary vascular tissue pattern formaton in **cultured** *roots* of Zea [mays, maize]. 036295
Tissue cultures of maize, wheat, rice & sorghum. III. Growth & nutrition of *root* **cultures** of maize, wheat & sorghum in agitated liquid media. 037456
Tissues cultures of maize, wheat, rice & sorghum. I. Initiation of viable callus & *root* **cultures.** 037458
A method for **culturing** *root* aphids [Eriosoma patchae, Eriosoma ulmi, Senecio, currants and gooseberries]. 039699
Fumigation with D-D or Telone on soils prone to Docking disorder *[root* **damage** by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
Effects of propagation container size on top and *root* **development** of tree seedlings [Cultivation of horticultural plants]. 038454
Artificial infection backgrounds in the development of field crops resistant to *root* **diseases** [Verticillium dahliae]. 038797
Electron microscopic investigations on the occurrence of rickettsia-like bacteria in the *roots* of **Erica** gracillis Salisb. 038874
A test of a modified line intersect method of **estimating** *root* length [in wheat]. 037475
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of growth regulators in geotropically stimulated Vicia **faba** *roots* [Broadbeans]. 037885
The interaction of plants in plant communities during *root* **feeding** [trees, grasses, mineral nutrition]. 037003
Non-root **feeding** supplement for vineyards. 037842
Root **formation** in poplar [Populus nigra] cuttings: the effect of the leaf on root formation. 035660
On the uptake of glucose [by the vines] from root systems of *true-rooted* and **grafted** grapevines. 037723
Respiration of the cells of corn roots during deceleration of the rate of *root* **growth** induced by reduced temperature. 037587
Cellular analysis of the sigmoid curve of *root* **growth** [Quercus robur]. 037906
Effect of adenine and imidazole derivatives and indolylacetic acid on membrane potential of the cells of *root* **hair** in Trianea bogotensis. 036939
The influence of mineral nutrition on the development of **individual** *roots* of sitka spruce [Picea sitchensis]. 037890
Participation of aspartic acid and glycine in biosynthesis of threonine in **isolated** *roots* of Vicia sativa L. [Vetch]. 037707
In vitro culture of **isolated** *roots* of Quercus robur L. 037927
Preliminary studies on the role of trenches in **isolating** *root* effect of forest trees bordering agricultural crops [Landuse]. 031159
Comparative study of Nicotiana tabacum [tobacco] varieties in relation to *root* **knot** nematodes. 038949
Easter **lily** *root* rot control [Fungicides]. 038616
Isoflavones of the *roots* of **Lupinus** luteus [Lupine]. 037385
A comparative study of the quiescent center and primary meristematic tissues in the *roots* of **maize** and horsebeans. 036368
A kinetic study of phosphorus absorption by excised **maize** *roots* from flowing solutions with different phosphorus concentrations. 037366
Spectra of protein synthesis in dividing and mature cells of **maize** *root.* 037432
Effect of margosa & **marigold** *root* exudates on mortality & larval hatch of certain nematodes. 039001
Early **medieval** *roots* of the furlong field in southwest Germany [Land settlement, history]. 031173
Tritiated-thymidine induced changes in cell population kinetics in *root* **meristems** of Pisum sativum [Peas]. 039054
The influence of bottle-gourd mosaic virus and brinjal [eggplant] mosaic virus on the development of *root-knot* **[nematode]** caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914
Meloidogyne microtyla *[root-knot* **nematode]** sp. Nov. From southwestern Ontario, Canada. 038967
Cellulase secretion by second stage larvae of the *root-knot* **nematode** (Meloidogyne javanica) [Tomatoes]. 039032
Effects of various plants on *root-knot* **nematodes** in two-years tobacco rotation plots. 039005
Pathogenicity and control of *root-knot* **nematodes** (Meloidogyne spp.) infecting chickpea. 039037
Leghaemoglobin and the supply of O2 [oxigen] to **nitrogen-fixing** *root* nodule bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP [adenosine triphosphate] production at low free O2 concentration. 037051

Diurnal changes in nitrogen fixation in the *root* **nodules** of Casuarina [cunninghamiana]. 037247
Effect of *non-root* **nutrition** supplements on yield and quality of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine [Soilless culture]. 041124
Presence in Indonesia and Malaysia of a Lepidoptera **oilpalm** *root* miner, Sufetula sunidesalis Walker, and its relationship to attacks by Ganoderma. 039238
Comparative immunochemical study of proteins of the *root* and other **organs** of pea seedlings. 037860
Localization of growth-inhibiting action of aluminium ions in elongating cell walls **[Pea** *roots].* 037706
Phytophthora *root* rot [Phytophthora megasperma] in seedingyear alfalfa as affected by management practices inducing stress. 038598
Phosphorus cycling by soil microorganisms and **plant** *roots.* 036981
The interdependent effects of soil temperature and water content on soil respiration rate and **plant** *root* decomposition in arid grassland soils. 040804
Poinsettia *root* and stem rot control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and Thielaviopsis basicola]. 038977
Free nucleotides in the **primary** *root* of maize. 037368
Root **regeneration** of fall-lifted white spruce [Picea glauca] nursery stock in relation to soil moisture content. 035642
Root **rot** and stem decay following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471
Screening of systemic and non-systemic fungicides against Fusarium oxysporum causing foot and *root* **rot** of wheat. 038714
Effect of chemical treatment of stumps from improvement cutting areas on the population and destruction by *root* **rot.** 038745
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] *root* **rot** of alfalfa. 038768
The influence of chlorocholine chloride on the photosynthetic activity and the transfer of assimilates to the **rye** *roots.* 037506
The *root* and **shoot** development of Eucalyptus regnans F. Muell. 037892
Redistribution of endogenous cytokinins in geotropically stimulated Ribes nigrum [currant] *roots* and **shoots.** 037886
Induction of outgrowth formation on **storage** *roots* of sweetpotato due to plant pathogenic bacteria. 038870
Correlation between the weight of *root* and **sugar** content in di- and tetraploid variety line sugarbeet hybrids. 037570
Guard your **sugarcane** *roots.* 037989
Participation of different tiers of the *root* in **supply** of maize with phosphorus. 037431
Distribution of protein within **sweetpotato** *roots* (Ipomea batatas L.). 033412
The effect of several growth regulators on the *root* **system** of strawberry runner plants. 037645
Methods of irrigation and water regime of lucerne as affecting its morphological structure and *root* **system.** 041423
On the uptake of glucose [by the vines] from *root* **systems** of true-rooted and grafted grapevines. 037723
Root **systems** of trees and bushes and their ecology in eastern Karakum. 037896
The biomass of the *root* **systems** of the pine and oak in the Kampinos National Park [in the association Vaccinio myrtilli-Pinetum typicum]. 037909
The results of anatomical and microchemical analyses of the *roots* of the **Tbilisuri** variety in relation with resistance to Phylloxera [vitifoliae]. 039367
Caryokinetic activity and dosage of DNA in *root* **tips** of Allium cepa L. [Onions] treated with B-995 [Mitosis]. 036389
Root **tips** of Vicia faba [broadbeans] for the study of the induction of chromosomal aberrations. 036601
Luminescent-microscopic study of *root* **tissue** of common rue [Ruta graveolens]. 037280
Growth of *root-callus* **tissues** of Citrus aurantifolia [Limes] (Christm.) Swing. in longterm culture. 037753
The influence of potassium nutrition on the yield and chemical composition of some **tropical** *root* and tuber crops [Fertilizers]. 040975
Flavonols and flavones of vegetables. V. Flavonols and flavones of *root* **vegetables.** 033484
On the phenolic acids of vegetables. III. Hydroxycinnamic acids and hydroxybenzoic acids of *root* **vegetables.** 033489
The effect of cycloheximide on absorption of ions by bean (Phaseolus **vulgaris** L.) *roots.* 037633
Digestibility and nutritional value of some forages (white clover hay, ryegrass, *carrot-roots* and **wheat** bran) for ponies. 034282
Activity of amino transferases in the *roots* of **wheat** varieties of different productivity. 037421
The state of oxidative systems in the mitochondria of **wheat** *roots* under conditions of phosphorus deficiency. 037433
Content of phoshorus of nuclei acids and the intensity of respiration in leaves and *roots* of **wheat** as affected by water deficit. 037569

ROOTSTOCKS

Brief description of the major **apple** *rootstocks.* 038304
The reaction of some **apple** *rootstocks* and variety + rootstock combinations to soil fatigue. 041142
Graft combinations of a number of cultivated hazelnut varieties on the *rootstock* **Corylus** colurna L. 038408
Vladimir, a promising **dwarfing** *rootstock* for sweet cherry. 038367
The effect of light on the vegetative and generative development of further five apple varieties, **grown** on M4 *rootstocks.* 037644
Effect of grafting dates on the growing together of *rootstock* and **scion** [Grapes]. 038468

ROOTWORMS

Corn *rootworms* [Diabrotica longicornis, Diabrotica virgifera, Diabrotica undecimpunctata howardi] and their control. 039297

ROSA

Fruit roses with a high content of vitamin C [Rosa rugosa, *Rosa* **canina,** Rosa damascena, breeding, varieties]. 038557
Plant parasitic nematodes on roses *[Rosa]* in **Danish** glasshouses. 039067
Fruit roses with a high content of vitamin C *[Rosa* **rugosa,** Rosa canina, Rosa damascena, breeding, varieties]. 038557

ROSELLE

Applications for *roselle* **[Hibiscus** sabdariffa] as a [natural] red food colorant. 032808

ROSELLINIA

Amino acid spectrum of three Xylariaceous fungi [Hypoxylon haematostroma, *Rosellinia* **petrakii,** Xylaria dealbata]. 038672

ROSES

New approaches in *rose* **breeding** [in Canada]. 036536
Constituents of **Evodia** *floribunda* Baker, I. Floribundic acid, a new diterpene of the clerodane type. 037291
Fruit *roses* with a high content of vitamin C [Rosa rugosa, Rosa canina, Rosa damascena, breeding, varieties]. 038557
Growing *roses* in containers. 038340
Roses for **Manitoba** [Culture]. 038440
Annotated bibliography on *rose* **nutrition,** including supplementary CO2 [carbon dioxide], 1970-1975. 041061
Pieris 'Brouwer's Beauty': a spontaneous hybrid of **Pieris** *floribunda* and Pieris japonica. 038251
Rose **response** to nitrogen, phosphorus, and potassium fertilization **rates** in plastic mulch covered beds of find sand. 040894
Plant parasitic nematodes on *roses* **[Rosa]** in Danish glasshouses. 039067
Evaluation of fungicides for the control of black spot [Diplicarpon **rosae]** of *rose.* 038784
Foam sprays of plant growth regulating chemicals on *rose* **shoot** development at cutback. 037733
Studies on constituents of medicinal plants. XV. The constituents of the bark and wood of **Wisteria** *floribunda* DC. 037070

ROT

Sources of resistance to **basal** *rot* of onion caused by Fusarium oxysporum. 038662
Greeneria fuliginea Scribner and Viala causing **bitter** *rot* of grapes in India. 038688
A severe grapevine disease referred to **black** *rot* [Phoma uvicola] in La Spezia district. 038723
The presence of the grape **black** *rot* [Guignardia bidwellii] in La Spezia Province. 038728
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in soil **[Black** *rot,* papayas, Metrosideros collina, Acacia koa]. 038763
Apple **black** *rot* [Sphaeropsis malorum] in orchards under intensive cultivation. 038786
Brown *rot* [Piptoporus betulinus] of [Betula] wood as a model for studies of lignocellulose humification. 035700
Technical and sanitary aspects on the control of **brown** *rot* [Monilia] of peaches and plums [Fungicide residues]. 038727
The role of peroxidase and polyphenoloxidase systems in relation to **charcoal** *rot* disease of soybean incited by Macrophomina phaseolina. 038666
The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, **charcoal** *rot].* 038774
Collar *rot* of pumpkin caused by Sclerotium rolfsii. 038679
Collar *rot* of the eggplant caused by Rhizoctonia solani Kuhn. 038724
Selective medium for the isolation of Serpula lacrimans [Fungi, cause of **dry** *rot* in construction wood]. 035888
Dry *rot* [Phytophthora infestans] of potatoes is very serious. 038627
The interaction between **foot** *rot* infection and yield components of winter wheat in dependance on cultivation techniques. 038833
A new Pestalotiopsis [versicolor] **fruit** *rot* of Achras sapota from India. 038670
Role of saponins in antifungal resistance. II. Tomatin dependent development of **fruit** *rot* organisms on tomato fruits. 038845
A comparative study of the wood destroying capacity in vitro of some *butt-rot* **fungi** in spruce [Picea abies]. 038609
Controlling **gray** *rot* [Botrytis cinerea] in stem-less vineyards. 038787
The influence of date of sowing on the incidence of *tip-rot* **[Phoma]** and fibre yield of mesta [Hibiscus cannabinus]. 038665
Rot-proofing **properties** of chemically modified cotton fabrics. 031945
Root *rot* and stem decay following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471
The epidemiology of common **root** *rot* [Cochliobolus sativus[in Manitou wheat. III. Development of lesions on subcrown internodes and the effect of added phosphate. 038587
Phytophthora **root** *rot* [Phytophthora megasperma] in seedingyear alfalfa as affected by management practices inducing stress. 038598
Easter lily **root** *rot* control [Fungicides]. 038616
Screening of systemic and non-systemic fungicides against Fusarium oxysporum causing foot and **root** *rot* of wheat. 038714
Effect of chemical treatment of stumps from improvement cutting areas on the population and destruction by **root** *rot.* 038745
Interrelationships of seedling age, inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] **root** *rot* of alfalfa. 038768
Sheath *rot* [Acrocylindrium oryzae] of rice [India]. 038779
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of **soft** *rot* pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Phenolic compounds & polyphenol oxidase activity in relation to resistance in potatoes against bacterial **soft** *rot* [Erwinia carotovora]. 038860
The occurrence of **stalk** *rot* [Fusarium] of maize in dependence on row distance and susceptibility of hybrid cultivars. 038834
Influence of N, P, K [nitrogen, phosphorus, potassium] on **stem** *rot* [Macrophomina phaseoli] incidence of capsularis jute. 038657
Vertical distribution and survival of Sclerotium oryzae **[stem** *rot* of rice] under various tillage methods [Cultural control]. 038776
Isolation of phytotoxic substances produced by Cephalosporium gregatum Allington & Chamberlain [Brown **stem** *rot* of azuki beans]. 038816
Poinsettia root and **stem** *rot* control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and Thielaviopsis basicola]. 038977
Research concerning chemical control of **storage** *rot* in potatoes [Fungus diseases]. 038743
Susceptibility of different variety types of [table] beet to **storage** *rot* [Botrytis cinerea] nicity [Botrytis cinerea]. 038810
Cariboo loggers grapple with *rot,* **twist** and boulders. 035711
Observations on the genus Lulworthia Suth. [A marine **wood** *rotting* fungus], its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [Tests with various kinds of woods]. 038625
Melinda caerulea Mg. (Diptera, Calliphoridae) in *rotten* **wood.** 039703

ROTARY

Developments in parlour and *rotary* **milking** systems—a critical assessment. 040375

ROTATION

Self-cleaning of drinking vessels by feed **chains** *rotating* horizontally. 040328
Appearance of potash deficiency in the course of *rotations* **cotton/food** crops on a ferrallitic soil in the Central African Republic. 040953
A comparison between *rotational* **[creep]** grazing and set stocking with ewes and lambs at three stocking rates. 034271
The effect of [field] **crop** *rotation* on yield variation in the light of results from some long-term rotation experiments. 038071
Autumn tillage of soil and the application of green manure plants to cotton-alfalfa **crop** *rotations.* 038177
The frequency of sowing wheat in **crop** *rotations* and the quality of grain [in the Far East of USSR]. 038199
Wheat in cereal-sugarbeet **crop** *rotation.* 038206
The appearance of potassium deficiency in cotton/food **crop** *rotation* on ferralitic soil in the Central African Republic. 038971
Green Revolution and mineral nutrient removal [from the soil] by wheat under different **crop** *rotations* [Soybeans, pearlmillet, cotton, maize]. 040657
Manure in a cereals-sugarbeets **crop** *rotation* on deep Chernozems. 040870
The aftereffect of long-term application of fertilizers in **crop** *rotation.* 040872
The change of agrochemical properties of soddy-podzolic sandy-light loamy soil as a result of long-term application of fertilizers in a **crop** *rotation* with flax. 040873
Investigations on accumulative phosphorus and potassium dressing in a six-course field **crop** *rotation.* 041031
The use of anthelmintics in *rotational* **grazing** coastal Bermudagrass [Cynodon dactylon] for maximum gains [Beef cattle]. 035145
The effect of [field] crop rotation on yield variation in the light of results from some **long-term** *rotation* experiments. 038071
Size and dynamics of the yield of crops under *rotation* with **long-term** use of fertilizers. 040836
Position of **maize** in the *rotation.* 037948

An experiment to control Fomes annosus in **second** *rotation* pine [Pinus sylvestris] crops. 038617
Experimental comparison between *rotation* and **three-way** crossing [Livestock]. 034574
Effects of various plants on root-knot nematodes in two-years **tobacco** *rotation* plots. 039005
Use of principal components, factor analysis and **varimax** *rotation* to describe variability in wood of Eucalyptus deglupta Blume. 035906

ROTYLENCHULUS
Studies on selected hosts of *Rotylenchulus* **reniformis** and its pathogenicity to soybean (Glycine max) [Nematodes]. 039045

ROUGHAGE
The production of aggregates from *roughage* and **concentrates.** 033504
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. *Roughage* **consumption,** time spent ruminating and rumen fermentation with varying amounts of concentrates. 034332
Protein quality of rumen bacterial preparations from cattle fed rations of different *roughage* **content.** 034171
Investigations into methods for evaluating roughage quality. 1. The rapid determination of the dry matter **content** in *roughage.* 034337
An investigation into methods of **evaluating** *roughage.* 2. Investigations into methods of estimating the nutritive value of roughage. 034333
Investigations into methods for **evaluating** *roughage* quality. 1. The rapid determination of the dry matter content in roughage. 034337
Roughage-containing **feed** mixtures as complete diets for dairy cows. 034529
Effect of age and sex on growth rate of beef cattle fed **high** *roughage* rations. 034442
Soaking of complete fattening rations high in **poor** *roughage.* 1. The effect of moisture content and spontaneous fermentation on nutritional value [Cattle]. 034275
Different levels of nitrogen in the ration for wool production from Rahmani lambs. I. Effect of ration containing high **quality** *roughage* with different levels and sources of nitrogen on wool production and characteristics. 034264
Comparisons of ground and whole shelled corn, *roughage* **supplements** and potassium and cobalt additions in finishing beef steers. 034440
An investigation into methods of evaluating roughage. 2. Investigations into methods of estimating the nutritive **value** of *roughage.* 034333

RUBBER
Bolt straps are more than a **bit** of *rubber.* 040464
Determination of parameters having an influence on the behaviour of **blown** *rubber* types in the field. 040408
Rubber **seed** meal as a potential feed ingredient for poultry. 034387

RUBIDIUM
The binding of 86 *rubidium* **[isotope]** by a microsomal fraction of the ox cortex cells. 034218

RUBRATOXINS
Rubratoxin B [as **contaminants** of animal feeds, dogs, toxicity]. 035416

RUBRUM ***see*** **RED**

RUBUS
In vitro culture of ovaries of *Rubus* **[raspberry]** species. 038222

RUMEN
The **artificial** *rumen.* 034099
Studies on the mode of gas production in **artificial** *rumen* and its application to the evaluation of feedstuffs. VII. On the relation of digestible crude protein to total digestible nutrients of feedstuffs. 034426
Relationship of lactate dehydrogenase specificity and growth rate to lactate metabolism by Selenomonas ruminantium *[Rumen* **bacteria].** 033754
Protein quality of *rumen* **bacterial** preparations from cattle fed rations of different roughage content. 034171
Influence of *rumen* **ciliate** protozoa on the concentration of free amino acids in the rumen fluids. 034088
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, time spent ruminating and *rumen* **fermentation** with varying amounts of concentrates. 034332
Experiments on the influence of the frequency of feeding on *rumen* **fermentation,** food intake milk yield. 034334
Studies on the *rumen* **flagellate** Neocallimastix frontalis. 034060
Influence of rumen ciliate protozoa on the concentration of free amino acids in the *rumen* **fluids.** 034088
The rate and products of degradation of xylans by *rumen* **hemicellulases** [Digestibility of feeds by ruminants]. 034214
On the relationship between activity of *rumen* **microbes** and cobalt level in the culture medium [Goats]. 034089
Structural changes in [wheat] straw as affected by *rumen* **microflora** [Cattle, feed digestibility]. 034522
Ureolytic bacteria in **sheep** *rumen.* 034061
The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the *rumen* of **sheep** [Nutritional biochemistry]. 034347
Citric acid uptake by *rumen* **tissue.** 033965

RUMINANTS
Testing of sulfene and KP-5 for fascioliasis of *ruminants* **[Cattle,** sheep, liver fluke]. 035254
Evaluation of high-moisture forrages with *ruminants.* II. **Changes** in the chemical composition of herbage after freezing and thawing. 033561
How much non-protein nitrogen? *[Ruminant* **diets].** 034255
The use of low quality forage in *ruminant* **diets** [Cattle]. 034374
Serological relationship of taxonomically closely related **domestic** *ruminants:* cattle, buffalo, sheep & goat. 033972
The rate and products of degradation of xylans by rumen hemicellulases [Digestibility of **feeds** by *ruminants].* 034214
Nutritive value [for *ruminants]* of **green** cut maize ensiled by a trench method. 034285
Studies with labelled urea on **lactating** *ruminants.* 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of goat milk. 034317
Recent findings on regulation of carbohydrate and fatty acid **metabolism** in *ruminants.* 034750
Transition of immunity from the mother to the **offspring** in *ruminants.* 035210
Ontogenetic specificity of metabolism of ketonic bodies in *ruminants* **(review).** 034189
Functional load of calcium as a test of the mineral **supply** of *ruminants.* 034491
Comparison of the digestibility and nutritive value of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties **[tested** on *ruminants].* 034284
Brief survey of some **verminoses** affecting *ruminants.* 034970

RUMINATION
Rumination of **cattle** affects production. 034450

RUNOFF
How maure applications affect **erosion** and *runoff.* 041159
Soil ripping treatments for *runoff* and **erosion** control. 041182
Effects of swine lagoon effluent disposal on *soil-plant-runoff* **quality.** 041653
Pesticide concentrations and yields in *runoff* and **sediment** from a Mississippi Delta watershed. 041625
Runoff and **soil** losses from Barnes soils in the northwestern Corn Belt [Erosion]. 041143
Water quality of urban **storm** *runoff.* 041588
Sediment-phosphorus relations in **surface** *runoff* from irrigated lands. 041390
Soil splash and *runoff* from **untreated** and chemically treated silt loam aggregates. 041172
A technique for flow measurements in **urban** *runoff* studies [Storm sewers]. 041562
Assessment of **urban** *runoff* quantity and quality [Water pollution]. 041565
Nutrients lost in debris and *runoff* **water** from a burned chaparral watershed. 041377

RUPTURES
Repair of gastric tympany and *rupture* **associated** with a diaphragmatic hernia using both an intercostal and paracostal approach. 035303

RURAL
Main Street pokes along while urban areas boom [Small towns and the *rural* **areas].** 031139
Urban analysis in the regional-national [medium-term econometric forecasting] model REGINA of the French economy [includes *rural* **areas].** 031807
Techniques permitting increased milk production: round table synthesis, July 1974, of the **Argentine** *Rural* Society. 033606
Improved communication can **bring** *rural* change [in India]. 031043
Land utilization and its economic contribution to the *rural* **communities.** 031227
The Prairie *[rural]* **community** system. 031028
Social emphasis of peoples' priorities in *rural* **development:** case studies in Kenya on results of decentralised planning. 030997
Rural **development,** the necessity of an economy of subsidized agriculture. 031143
Credit, the key of *rural* **development.** 031421
Agriculture, *rural* **development** and irrigation in the Fifth Plan [India]. 031830
George Harrar sets off the Green Revolution *[Rural* **development** programs, Mexico]. 031930
Industrial society and *rural* **district** [Land utilization]. 031239
Industrial waste waters in *rural* **districts** [Brewing and canning wastes]. 041675
Responsility of farmers in the creation of non agricultural work in *rural* **environment.** 031241
Thousands of county agents in each county of the United States *[Rural* **extension** service]. 031015
Antenatal events and postnatal growth and survival of children—prospective observation in a *rural* **Guatemalan** village. 032262
The effect of output changes on *[rural]* **income,** employment and output in Assumption Parish. 031439
Considerations on the program of **integrated** *rural* development and the national food and nutrition plan [Colombia]. 031913
Northumberland in the 1870s *[Rural* **labor** unrest]. 031075
Village radicalism in East Anglia 1800-50 *[Rural* **labor** unrest]. 031077
Rural **land** use in the Monongahela River Basin [West Virginia]. 031166
Effect of soil and water conditions on the *rural* **landscape** around Wouw, North Brabant. 040570
The scientific organization of labor as an important factor in the effective utilization of *rural* **manpower.** 031393
The property tax as a source of revenue to finance local public services in *rural* **parishes** of Louisiana. 031440
Some demographic aspects of reconstructing settlement *[Rural* **population].** 030993
Resettlement *[Rural* **population].** 031066
On the economic structure of strictly hierarchical central place systems *[Rural-urban* **relations].** 031034
Rural **savings,** wage remittance effects and real industrial wage determination. 031442
A study on new dual system of the *rural* **sector** in relation to the Green Revolution. 031909
Women in *rural* **society:** options for the future. 031086
Population change in nonmetropolitan cities and towns *[Rural* **sociology].** 030999
Population change in South Dakota small towns: 1960-1970. *[Rural* **sociology].** 031026
South Dakota low income families and migration *[Rural* **sociology].** 031027
The saga of women in the hills *[Rural* **sociology].** 031083
Family-community resource linkage *[Rural* **sociology].** 031127
Redistribution of the population, this time of *rural* **space,** in Auvergne, France. 030995
Employment in Delaware, 1954 to 1974 *[Rural* **statistics].** 031745
Natural enemies of Trogoderma granarium everts infesting wheat in the *rural* **stores** in the Punjab. 039427
Ideas and arguments: Crofters *[Rural* **unrest].** 031071
Ideas and arguments, the tithe war *[Rural* **unrest].** 031072
The crofter's "land war" *[Rural* **unrest].** 031073
The Welsh "tithe war" *[Rural* **unrest].** 031074
The first half of the nineteenth century *[Rural* **unrest].** 031076
A policy on *[rural]* **youth.** 031863
New **Zealand** *rural* society. A framework for study. 031112

RUST
Resistance of indigenous and exotic barley varieties to races of **black** *rust* (Puccinia graminis). 038661
Creation of wheat varieties in relation to the dynamics of the racial composition of **brown** *rust* [Resistance breeding]. 038828
Comparison of different hill-plot designs for evaluating quantitative response to oat **crown** *rust* [Puccinia coronata]. 038595
Nomenclatural invalidation of the *rust* **genus** Jacksoniella [Thirumalachariella]. 036028
A note on the seasonal changes in the incubation time of **groundnut** *rust* [Puccinia arachidis]. 038602
Better coffee farming. Control of coffee berry disease (CBD) [Colletotrichum coffeanum] and **leaf** *rust.* 038739
Needle *rust* of Pinus thunbergii caused by Coleosporium xanthoxyli Dietel et P. Sydow. 038736
Note on epidemiology and control of popular [Populus **nigra]leaf** *rust* [Melampsora laricipopulina]. 038753
Content of nucleic acids and protein in wheat leaves infected with *rust* **[Puccinia** graminis]. 038798
New wheat cultivars and longevity of *rust* **resistance,** 1971-75 [Fungus diseases]. 038575
The effect of some chemical compounds on germination of uredospores of Puccinia dispersa Erikss. et Henn. *[Rust,* **rye].** 038732
Genetics of **stem** *rust* [Puccinia graminis tritici] resistance in wheat cultivars Romany, Es.p 518/9, Bonny and Tama. 038593
A comparative study of races of **stem** *rust* [Puccinia graminis tritici] of wheat: relation of temperature as a factor governing their prevalence. 038642
Germination of Puccinia striiformis uredospores on leaves of adult winter wheat plants [Resistance to **yellow** *rust].* 038566

RUTA
Photosynthetic activity of the autotrophic tissue **culture** of *Ruta.* 036911
Luminescent-microscopic study of root tissue of common rue *[Ruta* **graveolens].** 037280
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and *Ruta* **grown** in the dark. 037664

RUTABAGA
Varietal responses to temperatures in **swedes** *[Rutabagas].* 036765

RYE
Improving protease identification in wheat and *rye* with N **alpha** benzoyl-L-arginin-4-nitroanilid (L-BAPA) used as medium. 033232
Alternatives in *rye* **breeding.** 036530
Remarks on *rye* **breeding.** 036617

The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of extraction of protein fractions from seeds of plants [Wheat, *rye,* **buckwheat**]. 037344
Studies on intraindividual and interindividual variation of *rye* **chromosome** pairing in diploid and tetraploid populations. II Individual variation. 036395
Observations and conclusions **concerning** *rye* breeding. 036615
Consistency of *rye* **doughs.** 033230
Pathogenicity of Cercosporella herpotrichoides to wheat, barley, oats and *rye* [**Eyespot** disease]. 038821
Irrigation, nematicide boost **fall** *rye* production. 038991
Band application of fertilizers in *rye* **fields.** 041133
Effect of dairy cattle manure on millet and *rye* **forage** and soil properties. 040998
The development of carbohydrases in **germinating** *rye.* 037595
Methods of the evaluation of the nutritive value of protein in *rye* **grain.** 032459
The transmission and effect on yield of *rye* **grass** mosaic virus in a filtered air environment. 038880
North Dakota barley, corn, oats, *rye* **historic** estimates, 1955-1970 [Statistics]. 031744
Haploid plantlets from **microspores** of *rye.* 036719
Relations between analytical data and **millability** of *rye.* 033234
Registration of **Okema** *rye.* 036446
The activity and localization of alanine- and aspartate amino-transferases in plants with C4[carbon]-photosynthesis [Maize, **proso,** *rye].* 037395
The influence of chlorocholine chloride on the photosynthetic activity and the transfer of assimilates to the *rye* **roots.** 037506
The effect of some chemical compounds on germination of uredospores of Puccinia dispersa Erikss. et Henn. [**Rust,** *rye].* 038732
Meiotic behaviour of single-arm tetrasomic combinations of isochromosomes, telocentrics and normal chromosomes in *rye* (**Secale** cereale L.). 036416
Polymorphism of chromosomes of inbred lines and species of populations of *rye* (**Secale** cereale L.). 036469
A contribution to the production of haploids in *rye,* **Secalecereale** L. 036403
Effect of degree of sprouting in winter wheat and *rye* on **seed** quality and harvest yields. 037557
Cytogenetic investigation of mutation process in the population and pure lines of *rye* **seeds** (Secale cereale L.) under storage. 036511
Influence of proteins, mucilaginous compounds, and lipids on *rye* **starch-paste** formation. 033155
Fertility and productivity of **tetraploid** *rye* as affected by aneuploidy. 036645
Aneuploidy in the seed progeny of **tetraploid** *rye.* 036665
Macrogametogenesis and fertility in **tetraploid** *rye.* 036704
Meiosis and fertility of pollen in *rye* **triploids** obtained when cultivating embryos. 036705
Grain development and amylase activities in *rye* and **triticale** compared with wheat. 037486
Evaluating feed qualities of *rye* **varieties.** 033584
The activity of alpha-amylase in the ripening grain of different *rye* **varieties** as affected by some environmental factors. 037505
What affects the yields of Belta *[rye* **variety**]. 038205
Mechanism of honeydew formation by claviceps species [on grasses, **wheat** and *rye].* 038584
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, Heterodera avenae Woll. [Oats, barley, **wheat,** *rye].* 039068
Timing of [**winter** *rye]* seeds treatment [with fungicide granozan]. 038849

RYEGRASS

Digestibility and nutritional value of some forages (white clover hay, *ryegrass,* **carrot-roots** and wheat bran) for ponies. 034282
Barley, oats, and field beans with undersown **Italian** *ryegrass* [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on yield and quality of yield. 038171
Semisolid fermentation of *ryegrass* [**Lolium**] straw. 033157
Studies on the effects of overseeding of *Italian-ryegrass* [**Lolium** multiflorum] on the production of knotgrass sward [Paspalum distichum]. 037986
The effect of interval between harvests and nitrogen application on the proportion and yield of crop fractions in four *ryegrass* [**Lolium**] varieties in the first harvest year. 038048
No till and seedbed production of **small** *grains-ryegrass* [Lolium] mixture for forage in east Texas [Cynodon dactylon]. 041147

SACCHARIFICATION

Enzymic *saccharification* of bagasse [by Trichoderma viride, fungi]. 033267

SACCHAROMYCES

Accelerated fermentation of brewer's wort by *Saccharomyces* **carlsbergensis** [Yeasts]. 032719
Genetic co-regulation of galactose and melibiose utilization in Saccharomyces [Cerevisiae, *Saccharomyces* **carlsbergensis,** yeasts]. 036560
The organization of genes in yeast *[Saccharomyces* **carlsbergensis**] mitochondrial DNA. II. The physical map of ecoRI and HindII-III fragments. 036592
Detailed analysis of the ribosomal RNA synthesis in yeast *[Saccharomyces* **carlsbergensis**]. 036811
Separation and some properties of the inner and outer membranes of yeast mitochondria *[Saccharomyces* **carlsbergensis,** Saccharomyces cerevisiae]. 037109
The isolation of yeast nuclei and methods to study their properties *[Saccharomyces* **carlsbergensis,** Kluyveromyces fragilis]. 037111
Pyruvate dehydrogenase complex from brewer's yeast *[Saccharomyces* **carlsbergensis**]**:** regulation blythe carbon source. 037312
Effect of ultrasonic waves on the biological properties of bakers' yeast *[Saccharomyces* **cerevisiae**]. 032717
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1cytochrome c *[Saccharomyces* **cerevisiae**]. 032724
Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the C-terminal region of baker's yeast *[Saccharomyces* **cerevisiae**] iso-1-cytochrome c. 032725
Spinnability of yeast *[Saccharomyces* **cerevisiae**] protein and its viscoelastic properties [in comparison with commericalcasein and soy protein]. 032846
Effect of metabolic inhibitors on the preservability of baker's yeast *[Saccharomyces* **cerevisiae**] and on the increase ofintracellular proteinase activity during its storage. 032864
Detection of antimicrobial substances by microbiological assays *[Saccharomyces* **cerevisiae**]. 032875
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast *[Saccharomyces* **cerevisiae**] cells out of testes, liver, lung and peritoneum of rats. 034109
The chitin-glucan complex of *Saccharomyces* **cerevisiae** [Yeasts]. III. Electron-microscopic study of the prebudding stage. 036311
Mode of yeast *[Saccharomyces* **cerevisiae**] inhibition by A-435 antibiotic. 036317
Mapping and gene conversion studies with the structural gene for iso-1-cytochrome C in yeast *[Saccharomyces* **cerevisiae**]. 036507
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of induced mitotic recombination in diploid *[Saccharomyces* **cerevisiae**] yeast cells. 036515
Radiosensitivity of double mutant haploids of yeast *[Saccharomyces* **cerevisiae**]. 036525
The induction of pyrimidine dimers in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of *Saccharomyces* **cerevisiae** [Yeasts]. 036557
Genetic co-regulation of galactose and melibiose utilization in *Saccharomyces* [**Cerevisiae,** Saccharomyces carlsbergensis, yeasts]. 036560
Thermosensitive mutations affecting ribonucleic acid polymerases in *Saccharomyces* **cerevisiae** [Yeasts]. 036563
Genetical and biochemical aspects of resistance to p-fluorophenylalanine in *Saccharomyces* **cerevisiae** [Yeasts]. 036565
Cytoplasmic inheritance and mitochondrial genetics in yeasts *[Saccharomyces* **cerevisiae**]. 036584
Induction, selection, and experimental uses of temperature-sensitive and other conditional mutants of yeast *[Saccharomyces* **cerevisiae**]. 036585
Isolation of mitochondria and techniques for studying mitochondrial biogenesis in yeasts *[Saccharomyces* **cerevisiae**]. 036586
Mutagenesis in yeast *[Saccharomyces* **cerevisiae,** Schizosaccharomyces pombe]. 036587
Genes coding for the structure of the acid phosphatases in *Saccharomyces* **cerevisiae.** 036589
Selection of spontaneous mutants by inositol starvation in yeast *[Saccharomyces* **cerevisiae**]. 036591
The restriction of the recombination of mitochondrial DNA molecules in the zygotes of *Saccharomyces* **cerevisiae** [Yeasts]. 036593
Effect of caffeine on recovery from DEB [diepoxybutane]-induced cell inactiation in UV [ultraviolet]-sensitive mutants of *Saccharomyces* **cerevisiae.** 036597
Genetic effect of formaldehyde in yeast *[Saccharomyces* **cerevisiae**]. I. Influence of the growth stages on killing and recombination. 036598
Inactivation and mutation of yeast cells by hydrogen peroxide *[Saccharomyces* **cerevisiae**]. 036599
The gene dosage effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains *[Saccharomyces* **cerevisiae**]. 036602
A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of haploid yeasts *[Saccharomyces* **cerevisiae**]. 036661
Production of a mitochondrial mutant of *Saccharomyces* **cerevisiae** resistant to tetracycline and elucidation of the mechanism of its resistance to this antibiotic [Yeasts]. 036687
Studies on cytochrome b2 synthesis in *Saccharomyces* **cerevisiae.** 036727
Characterization of elongation factor 1 from yeast *[Saccharomyces* **cerevisiae**]. 036779
Effect of cordycepin triphosphate on the nuclear DNA-dependent RNA-polymerases and poly(A) polymerase from the yeast, *Saccharomyces* **cerevisiae.** 036780
Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from baker's yeast *[Saccharomyces* **cerevisiae**]. 036781
Isoionic titration and isopycnic density gradient centrifugation studies of margnesium activation and subunit dissociation in yeast *[Saccharomyces* **cerevisiae**] enolase. 036785
Abundant species of poly(a)-containing RNA from *Saccharomyces* **cerevisiae** [Yeasts]. 036807
Effect of tetraphenylboron upon the uptake of the LIpophilic cation dibenzylidmethylammonium by yeast *[Saccharomyces* **cerevisiae**] cells. 036814
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems *[Saccharomyces* **cerevisiae,** yeasts, wheat, rabbits]. 036819
Substitution of cellular fatty acids in yeast *[Saccharomyces* **cerevisiae**] cells by the antibiotic cerulenin and exogenous fatty acids. 036822
Thiamine transport mutants of *Saccharomyces* **cerevisiae** [Yeasts]. 036823
Coding origin of isoaccepting tRNA in yeast *[Saccharomyces* **cerevisiae**] mitochondria. 036824
Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in yeast *[Saccharomyces* **cerevisiae**]. II. Labelling studies of the precursor product relationship. 036825
Population study of *Saccharomyces* **cerevisiae** [yeasts]. I. Cell morphology and age categories distribution in dependence on the medium composition in a continuous cultivation. 036833
Specific binding of invertase of the medium by yeast *[Saccharomyces* **cerevisiae**] cell surface during the regulation of formation of the enzyme. 036912
Effect of GAL4 gene dosage on the level of galactose catabolic enzymes in *Saccharomyces* **cerevisiae** [Yeasts]. 037011
Development of mitochondrial membranes in anaerobically grown yeast cells *[Saccharomyces* **cerevisiae**]. 037016
Renaturation of yeast *[Saccharomyces* **cerevisiae**] inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. 037018
Small-angle X-ray scattering study of the interaction between lysine transfer RNA ligase from yeast *[Saccharomyces* **cerevisiae**] and transfer RNA. 037057
DNA-dependent RNA polymerases from yeasts *[Saccharomyces* **cerevisiae**]. 037100
In vivo and in vitro synthesis of yeast *[Saccharomyces* **cerevisiae**] mitochondrial DNA. 037102
Isolation of vacuoles from yeasts *[Saccharomyces* **cerevisiae,** Candida utilis]. 037105
Isolation of yeast DNA *[Saccharomyces* **cerevisiae**]. 037106
Methods for avoiding proteolytic artefacts in studies of enzymes and other proteins from yeasts *[Saccharomyces* **cerevisiae**]. 037107
Separation and some properties of the inner and outer membranes of yeast mitochondria [Saccharomyces carlsbergensis, *Saccharomyces* **cerevisiae**]. 037109
The use of fluorescent DNA-binding agent for detecting and separating yeast *[Saccharomyces* **cerevisiae**] mitochondrial DNA. 037112
Fluorochrome staining of yeast *[Saccharomyces* **cerevisiae**] nuclei with acridine-yperite. 037118
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast *[Saccharomyces* **cerevisiae**] by ethidium bromide and berenil. 037124
Nucleic acid metabolism in yeast *[Saccharomyces* **cerevisiae**]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Effect of temperature and active acidity of the medium on the metabolism of reserve carbohydrates and survivability of baker's yeast *[Saccharomyces* **cerevisiae**]. 037216
Translation of RNA that contains polyadenylate from yeast *[Saccharomyces* **cerevisiae**] mitochondria in an Escherichia coli ribosomal system. 037243
Induction of cytochrome P-450 in yeast *[Saccharomyces* **cerevisiae**] by phenobarbital. 037306
Mechanism of unbalanced growth and death of biotin-deficient yeast *[Saccharomyces* **cerevisiae**] cells in the presence of aspartic acid. 039021
Protection of cytochrome P-450 by substrates against Tween-80-assisted thermal denaturation *[Saccharomyces* **cerevisial**]. 037309
Synthesis of methyl ester 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the **culture** *Saccharomyces* cerevisiae BKMU-488 [Yeasts]. 037231
Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory **deficient** *Saccharomyces* cerevisiae mutants induced with manganese and cobalt. 036502
Fermentation of various sugars in *Saccharomyces* **ellipoideus** and Schizosaccharomyces pombe [Wine musts, yeasts]. 033337
Mechanisms of abnormal fermentation of distiller's yeast *[Saccharomyces* **formosensis**] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
Phenotypes (killer, neutral, sensitive) of yeasts of the **genus** *Saccharomyces* [cerevisiae] in viticulture and methods oftheir determination. 036062
Effect of products of thermophilous methane fermentation on the fermentation of fruit must by the **yeast** *Saccharomyces* vini. 033438
Genetic and biochemical studies of acid phosphatases in **yeast** *Saccharomyces* cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. 036516
Genetic effects of the decay of sulfur-35 in cells of the **yeast** *Saccharomyces* cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
Localization of mutations in the second chromosome of the **yeast** *Saccharomyces* cerevisiae. 036680
A revised preparation of **yeast** *(Saccharomyces* cerevisiae) pyruvate kinase. 037019
Two mutations which confer temperature-sensitive radiation sensitivity in the **yeast** *Saccharomyces* cerevisiae. 037127

Effect of cultivation conditions on the activity of respiration of **yeast** *Saccharomyces* bayanus. 037212

SACCHARUM

Mini-production of maple syrup [**Acer** *saccharum].* 033221
Sawing pattern effect on warp loss of hard maple [**Acer** *saccharum]* dimension stock. 035748
Seed source effects on sugar maple [**Acer** *saccharum,* culture]. 038253
A method of tracing fungi inoculated into the stems of living maple [**Acer** *saccharum,* Coniochaeta velutina]. 038578
The rhodesgrass scale [Antonina graminis] in Israel. 1. Life history, distribution, host plants and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, *Saccharum* **biflorum**]. 039281
Drought resistance of sugarcane **varieties** *(Saccharum* spp.). 037379

SACS

A reinvestigation of the development of the **embryo** *sac* in Gastrodia elata Blume (Orchidaceae). 036269
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the **yolk** *sac-serosal* membrane [Chicken eggs]. 033733

SAFETY

Static test of *safety* **boxes** and protective framings on agricultural tractors. 040410
Safety **evaluation** of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial production of proteins]. 032013
Microbiological standards—are they realistic? [Quality or *safety* of **fresh** or processed meats]. 032021
2,4-D [(2,4-dichlorophenoxy) acetic acid] and its *safe* use [**Herbicides**]. 039167
Safety of **light-activited** chemical substances in foods, drugs, and cosmetics. 031993
New *safety* fuse igniter [Forest equipment]. 035467
Safe **operation** of agricultural equipment. 040515
Seminars on efficient and *safe* use of **pesticides,** and other pesticide work of the FAO [Food and Agricultural Organization] Industry Cooperative Programme. 039583
Self-generated *safety* assurance dictated by S. 641 [the Staff Working Draft of the Consumer Food Act of 1975]. 032022

SAFFLOWER

Safflower and its **uses.** 033140

SAFFRON

Results of experiments in treating the corms of *saffron* [**Crocus** sativus] with colchicine [Genetics, fertility]. 036713
On the history of *saffron* [**Crocus** sativus] culture in the Upper Nitra region. 038538

SAGEBRUSH

Sesquiterpene lactones of *sagebrush* [**Artemisia** cana]: The structure of artecanin. 037175
Sediment sources and yields from *sagebrush* [**Artemisia**] rangeland watersheds. 041383
Economic and environmental impacts of *sagebrush* [**Artemisia**]**control** on Utah's rangelands —a review and analysis [Costs]. 039178

SAHIWAL

Comparative performance of buffaloes and *Sahiwal* **cows** as dairy animals. 033600

SAINFOIN

Less known [insect] pests of alfalfa and *sainfoin* **crops** in the Constanta district, and their control. 039298

SALICACEAE

Shoot system and terminal bud of *Salicaceae* [**Populus,** Salix]. 036336

SALICARIA

Effect of a light-break on the growth and development of Epilobium hirsutum and **Lythrum** *salicaria* in short photoperiods. 036761

SALICYLIC

Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of *salicylic* **acid** by Aspergillus nidulans [Fungi]. 036992

SALINITY

Chloride cells of the larvae of Caenis diminuta Walker (Ephemeroptera, **Caenidae**) under different *salinity.* 039818
Cell multiplication in a salt-tolerant strain of Chlorella saccharophila [Algae] under *saline* **condition.** 036851
Scientific irigation scheduling for *salinity* **control** of irrigation return flows. 041241
Histochemical study of the hyphae and the distribution of adenosine triphosphatase in **Dendryphiella** *salina* [Fungi]. 037317
Effect of far and near ultraviolet radiation on DNA content in **Dunaliella** *salina* Tood [Algae]. 037322
The influence of *salinity* on the **growth** of some plankton diatoms from brackish water. 037140
Influence of different organic materials with and without rock phosphate and urea on reclamation of **highly** *saline* and alkaline soil. 041161
Problem of *salinity* **induced** putrescine formation in plants [Peas, maize]. 037142
Control of **land** *salinization* and conservation of the environment [Irrigation]. 041255
Effect of *salinization* of the **medium** on synthesis and qualitative composition of peptides in pea plants. 037863
Seed germination and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of *salinity* and **plant-growth** hormones. 037347
Osmoregulation in Trichocorixa verticalis interiores Sailer (Hemiptera, Corixidae)—an inhabitant of **Saskatchewan** *saline* lakes, Canada. 039663
Classification and management of *saline* **seeps** in western North Dakota [Soil water]. 040697
The effect of *salinity* on **sexual** and asexual sporulation of members of the Saprolegniaceae [Fungi]. 037320
Alkaline and *saline* **soils.** 040806
Determination of the composition of adsorbed bases in *saline* **soils.** 040819
Effect of *salinity* and **solonetzicity** on the composition of humus and some properties of humic acids in Kazakhstan Chernozems. 040822
Effects of injections of monoamine oxidase inhibitor or *saline* into the **uterus** in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667
Use of *saline* **water** in agriculture. I. Description of the system [Irrigation]. 041232

SALIVARY

A freeze-fracture study of adult **Calliphora** *salivary* glands. 039937
Secretory responses to sympathetic stimulation of the **cat's** *salivary* glands in a state of resting secretion. 034162
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and water secretion in **dog** *salivary* glands. 033929
Mechanisms of action of neutrotransmitters and their analogues on *salivary* **duct** electrolyte transport. 033940
The arterial supply to the *salivary* **gland** of Black Bengal goat. 033983
The *salivary* **gland** chromosomes of Telmatoscopus albipunctatus (Williston) (Diptera: Psychodidae). 039670
Association of telomeric regions of *salivary* **gland** chromosomes in "virilis" species of Drosophila. 039756
The frequency of telomeric associations of *salivary* **gland** chromosomes in interspecific hybrids as an autonomous character [Drosophila]. 039767
Role of calcium and cyclic AMP [adenosine monophosphate] in controlling fly [Calliphora] *salivary* **gland** secretion. 039799
The effects of ductal ligation on the parenchyma of *salivary* **glands** of cat studied by enzyme histochemical methods. 033918
Control of kallikrein secretion from *salivary* **glands.** 033951
Innervation of *salivary* **glands,** morphological considerations [Rabbits]. 033953
Secretory potentials in cat and possum *[Salivary* **glands].** 033960
Electrophoretic analysis of proteins of *salivary* **glands** and fat body in the development of Drosophila melanogaster. 039693
Hormonal induction of acid phosphatase activity in *salivary* **glands** of larvae of Drosophila melanogaster during metamorphosis. 039694
Influence of boron on the development of puffs in the polytene chromosomes of the *saliva* **glands** of Drosophila melanogaster at the stage of the early prepupa. 039917
Influence of sodium arsenate on the polytene chromosomes of the *salivary* **glands** of Drosophila melanogaster at the stageof the early prepupa. 039918
Influence of a prolonged thermal influence on the activity of the polytene chromosomes of the *salivary* **glands** of Drosophila melanogaster. 039927
Comparative study of asynapsis of **larvae** *salivary* gland polytene chromosomes of Drosophila melanogaster, Drosophila simulans and their hybrids. 039757
Chromosome puff activity and protein synthesis in **larval** *salivary* glands of Drosophila melanogaster. 039902
Secretory potentials in cat, rabbit and **mouse** *salivary* glands. 033959
The physiology of the *salivary* **myoepithelial** cells. 033964
Puffing patterns during the fourth larval instar in Chironomus **pallidivittatus** *salivary* glands. 039677
The composition and flow of **parotid** *saliva* during acute hyperkalemia in sodium-deficient sheep. 034163
Evidence for electrogenic sodium pumping in the ductal epithelium of **rabbit** *salivary* gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796

SALIX

Growth rate and change by age in marketability of white willow stands of Astrakhan Region *[Salix* **alba].** 035589
Simultaneous demonstration of separate phases with different phenol content in the leaf epidermis cells of *Salix* **alba** L. 036350
The necessity of using healthy propagation material of *Salix* **alba** in connection with the spread of Watermark disease [Erwinia salicis] in the Netherlands. 038857
Key to the **genus** *Salix* L. In Norway. 035968
Shoot system and terminal bud of Salicaceae [**Populus,** *Salix].* 036336
Polysaccharides from the bark of the white **willow** *(Salix* alba L.): structure of an arabinan. 035717
Investigations on the role of gibberellic acid (GA3) and chlorocholine chloride (CCC) in the process of rooting of **willow** *(Salix* viminalis L.) cuttings. 037901
Willows *(Salix)* and their importance for bees [Honey plants, culture]. 038542

SALMON

Effect of stacking and freezing on the muscle qualities of **red** *salmon* (Oncorhynchus nerka) [Fish]. 032741

SALMONELLA

Canine *salmonellosis:* a review and report of dog to child transmission of Salmonella enteritidis. 034975
The significance of the serotype in the clinical and pathological features of naturally occurring porcine salmonellosis *[Salmonella* **choleraesuis** kunzendorf, Salmonella typhimurium]. 035038
Contribution of the Veterinary Services of the Ministry of Health in the **control** of *salmonellosis.* 035221
Preliminary observations on the survival of *Salmonella* in **curry,** sambar, coriander and redchilly powders [Food poisoning]. 032087
Survival of *Salmonella* **eastbourne** and Salmonella typhimurium in chocolate [Food poisoning]. 032089
A comparison of strontium selenite broth and mannitol-selenite-cystine broth in the isolation of *salmonellae* from **egg** products. 031962
Canine salmonellosis: a review and report of dog to child transmission of *Salmonella* **enteritidis.** 034975
Salmonella **enteritidis** infection in rats: antigens involved in cell-mediated immunity. 035000
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of *Salmonella* in **man,** swine, insects and seagulls as well as in foods and effluents. 035214
The significance of the serotype in the clinical and pathological features of naturally occurring **porcine** *salmonellosis* [Salmonella choleraesuis kunzendorf, Salmonella typhimurium]. 035038
Investigations of *salmonellosis* in **poultry** offered for sale. 032003
Salmonellosis in **poultry** in India during 1958-1973. 035079
Survival of Salmonella eastbourne and *Salmonella* **typhimurium** in chocolate [Food poisoning]. 032089
Examination of the metabolism index of *Salmonella* **typhimurium** infected goose eggs. 034967
The significance of the serotype in the clinical and pathological features of naturally occurring porcine salmonellosis [Salmonella choleraesuis kunzendorf, *Salmonella* **typhimurium].** 035038
The virulence of trimethoprim-resistant thymine-requiring strains of *Salmonella* [**typhimurium,** chickens]. 035116
Adjuvant effect of lipid A obtained from *Salmonella* **typhimurium** on antibody response in mouse spleen: the role of carriers conjugated to lipid A. 035137

SALMONIDAE

Prolonged oral administration of methyl mercury chloride to rainbow **trout** *(Salmo* gairdneri) fingerlings. 039345

SALTICIDAE

Predatory behavior of the zebra spider, Salticus scinicus (**Araneae:** *Salticidae).* 039665

SALTS

Effect of *salt* and **abscisic** acid on in vitro activity of nitrate reductase in seedlings of Phaseolus aconitifolius [Moth beans]. 037611
Salt **associations** in soils of Caspian lowland as related tosoil genesis. 040740
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of fatty acids in the presence of **bile** *salts* [Sheep, feeding]. 034345
Micellar solubilization of fatty acids in aqueous media containing **bile** *salts* and phospholipids [Sheep, feeding]. 034346
A study on the effect of salting method on different properties of Kaskaval cheese. 1. The **dry** *salting* method. 032929
Induction of the catalytic protein of (Na+ +K+) [sodium and potassium ions]-ATPase in the *salt* **gland** of the duck. 033800
Toxic and dystrophic manifestations in rats on a diet with **high** *salted-lard* content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
Nitrogen fixation in Flax Pond: a Long **Island** *salt* marsh. 040684
Toxic and dystrophic manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and *salted* **lard** and the means of curing. 032392
Studying the mechanism of *salt* **leaching** in soil columns. 040746
Domiati cheese stored at room temperature as affected by heat treatment of milk and different *salting* **levels.** 032935
The influence of tidal flux on microbial biomass in *salt* **marsh** creeks [Distribution and ecology of estuarine plants andanimals]. 036234

Production and dynamics of *salt* **marsh** vegetation and the effects of experimental treatment with sewage sludge. Biomass, production and species composition. 040996
Mechanisms of abnormal fermentation of distiller's yeast [Saccharomyces formosensis] in *salted* **media** (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
A study on the effect of *salting* **method** on different properties of Kaskaval cheese. 1. The dry salting method. 032929
A study on the effect of *salting* **method** on different properties of Kaskaval cheese. II. The brining method. 032930
The effect of *salting* on the **microbiology** of poultry meat. 033132
Contribution to the study of variations of **mineral** *salt* content in cow's milk in different regions of France. 032986
Microbial indicators of **oil-rich** *salt* marsh sediments. 041486
Evaluation of change of *salt* **reserves** in the active layer of paddy soils. 040724
Critical level of airborne **sea** *salt* inducing foliar injury to bean. 038992
Toxicity threshold of **soil** *salts* for some varieties of apples. 038960
Investigations into some soils of Cuba with regard to the accumulation of **soluble** *salts*. 040555
Different effects of polylysine and polyarginine on the transition to a condensed state of DNA in *polyethyleneglycol/salt* **solution** [Calves]. 033792
Cell multiplication in a *salt-tolerant* **strain** of Chlorella saccharophila [Algae] under saline condition. 036851
Potassium in an arid loessial soil: characterization by equilibrium release-absorption to **strong** *salt* solutions. 040767
Salt **supplementation** of corn-soy diets for swine. 034415
Physiological studies on *salt* **tolerance** in Pisum sativum (L.). III. Growth and maturation [Peas]. 037615
Effect of artichoke (Cynara scolymus L.) extracts on urination and *salt* **voidance** of rats. 034886
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on *salt* and **water** secretion in dog salivary glands. 033929

SALVAGE

Pathways of **pyrimidine** *salvage* in Drosophila melanogaster. 039943

SALVIA

Mechanism of monoterpene volatilization in *Salvia* **mellifera.** 037168
Structure & synthesis of salvitin, a new flavone isolated from *Salvia* **plebeia.** 036987
Acetylpectolinarin from some **species** of *Salvia*. 037675

SAMIA

Cephalic and thoracic nerves of the castor silk **moth** *Samia* ricini (Lepidoptera, Saturniidae). 039606

SAMPLING

The quantitative analysis of flora: Spatial diversity, the level of specific richness and representativity of *sampling* **areas.** 035985
Bulk **density** *sampler* for deep soil profiles. 040757
Sampling **design,** collection and anlaysis of watershed soil samples for water resources management. 041321
Implementation of new technologies in the design of an automatic **liquid** *sampling* system [Wastewater]. 041573
The *sampling* and **measuring** of bulk milk. 033032
Pesticides in air: *sampling* **methods** [Pollution]. 039590
Efficient strategies for *sampling* and **monitoring** [Water analysis]. 041301
Linear **regeneration** *sampling* in Peninsular Malaysia. 035674
A time related automatic total-load **sediment** *sampler* [for measuring streams]. 041366
Mobile device for *sampling* of **soil** water. 040682
A new 7-day **spore** *sampler* [for collection of airborne pathogenic fungi]. 038760
Three suction-type **spore** *samplers* [for collection of airborne pathogenic fungi]. 038775
Stratified *sampling* of soil moisture. 040705
Sampling of the **visual** environment by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795

SAND

[Plant] colonization of the Discovery **Bay** *sand* dunes. 036210
Rose response to nitrogen, phosphorus, and potassium fertilization rates in plastic mulch covered **beds** of find *sand*. 040894
Ecology and hydrogeological role of feathergrass [Lasiagrostis splendens] communities in the *sandy* **deserts** of the northern Aral region. 036250
A survey of tracks and paths in a *sand* **dune** ecosystem. II. Vegetation. 036216
A survey of tracks and paths in a *sand* **dune** ecosystem. I. Soils. 040667
Effect of the initial soil moisture content and various concentrations of Curasol AE and Tylose 666 on the formation and stability of **dune** *sand* aggregates. 041171
The obligate macromycetes of *sand* **dunes** in Norway, with special regard to the occurrences on Lista, Vest-Agder county [Fungi]. 035969
Effect of method of nitrogen application on corn (Zea mays L.) grown on **irrigated** *sandy* soils. 041039
Homogeneous and **layered** *sand* in triaxial compression [in natural soils]. 040587
Molybdenum nutrition of maize (Zea mays L.) on an Avalon **medium** *sandy* loam as affected by molybdenum, lime and phosphate applications. 040863
Seasonal dynamics of lysimetric water composition in the profile of a *sandy* **podzolic** soil of a larch forest (Karelian isthmus). 040741
About the primary stage in the soil formation under mangrove vegetation in *sandy* **shallow-water** regions of the CaribbeanSea. 040610
The change of agrochemical properties of **soddy-podzolic** *sandy-light* loamy soil as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on **sod-podzolic** *sandy* loam soil. 041097
Influence of fertilisation level on nutrient balance of two forage plants grown on a *sandy* **soil** of the lower Ivory Coast. 040960
Changes of longitudinal growth and chemical components in pine (Pinus densiflora) leaves on *sandy* **soils** resulting from fertilization. 037920
A technique to enhance detail on scanning electron micrographs of geological materials [**Soils,** *sands].* 040583
Mineral composition and age of a three-storied soil on the *sands* of the Don **Steppe.** 040830
Some toxic, physical and chemical properties of the oral secretion of the *sand* **tampan,** Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. 039496
Effects of potassium fertilization on Hevea grown on **tertiary** *sandy* soils in the savannah of the lower Ivory Coast. 040956

SANDWICH

Au **gratin** *sandwiches*. 032620

SANGUINARINE

Quantitative determination of *sanguinarine* and **heleritrine** in Bocconia cordata. 036896

SANITATION

Technical and *sanitary* **aspects** on the control of brown rot [Monilia] of peaches and plums [Fungicide residues]. 038727
Disinfection [**Cattle** *sanitation].* 034876
Present state of works on genetic and *sanitary* **clonal** selection. Method and results, spread of selected material [Grapes]. 036404
Livestock associations for **collective** *sanitary* protection. 034877
Intestinal parasites and commensal protozoa in foodhandlers from the central area of the city of Concepcion, Chile [**Food** *sanitation].* 031970
Studies on the administration of **food** *sanitation,* especially for the theoretical development of probability process [Inspection]. 031973
Studies on the administration of **food** *sanitation:* an attempt to the establishment of a methodology for quantitative administrative hygiene [Inspection]. 031974
Evaluation of the *sanitary* **harmlessness** of the wood-impregnation substance Pentor 70 [Swine, toxicity]. 035452
Cleaning and *sanitizing* **meat** trailers [Control of microbialcontamination in transport]. 032059
The interpretation of somatic cell counts in **milk** *[Sanitation].* 031968
Conversion and disposal of placentas by mechanical disintegration in industrial swine production **plants** *[Sanitation].* 034921
The development of an automated analytical system for the determination of somatic cells in milk [**Quality,** *sanitation].* 031966
Problems in increasing the *sanitary* **quality** of milk. 032137
Evaluation of the results and outlook [Milk production, **quality,** *sanitation].* 033614
Report of Committee on Dairy Farm Methods, 1973-1975 *[Sanitation,* **regulation**]. 032979
Standardization and certification in food **service** *sanitation.* 032126
Presence of inhibiting substances in the meat and organs of livestock killed in a *sanitary* **slaughterhouse.** 034944
Studies on the use of artificial ultraviolet radiation in farrowing houses [**Swine** *sanitation].* 034926

SAP

Betalains [**Cell** *sap* pigments confined to Centrospermae]. 036792
Composition in free amino acids of *sap* from **tomato** plants treated with different levels of boron [Fertilizer]. 040864

SAPERDA

Two infection sites of Hypoxylon mammatum in trembling aspen (Populus tremuloides) *[Saperda* **concolor**]. 038589

SAPINDUS

Isorhamnetin & quercetin glycosides from Dodonea viscosa & *Sapindus* **emarginatus.** 036986
Modification of **soapberry** *(Sapindus* drummondi) through chemicals [Plant regulators]. 037833

SAPONIFICATION

Application of Liebermann-Burchard reaction to the *unsaponifiable* **portion** of milk lipids as a criterion for the quantitative determination of cholesterol in milk and milk products. 032992

SAPONINS

Role of *saponins* in **antifungal** resistance. II. Tomatin dependent development of fruit rot organisms on tomato fruits. 038845
A colorimetric estimation of [Panax] **ginseng** *saponins.* 037187
Studies on the constituents of Himalayan ginseng, Panax pseudoginseng. II. The structures of the *saponins*. 2. 036903
Measurement of **steroid** *saponins* in Dioscorea deltoidea leaves. 037223
New **steroidal** *saponins* of Agave americana. 037171
Content and chemical composition of *saponins* in **three** local varieties of hybrid alfalfa (Medicago media Pers.). 037500
Quantitative analysis of dammarane **type** *saponins* of Panax and its application to the evaluation of the commercial ginseng tea and ginseng extract. 032869
Separation of water-soluble and **water-insoluble** *saponins* from rhizones of Dioscorea deltoidea. 036774

SAPOTA *see* ACHRAS

SAPROLEGNIACEAE

The effect of salinity on sexual and asexual sporulation of members of the *Saprolegniaceae* [**Fungi**]. 037320

SAPROPHYTIC

The development of [the blue-green alga] synechocystis aquatilis Sauv. in the presence of [the *saprophytic* **bacteria**] Pseudomonas putida Migula. 037327
True waxes of *Saprophytic* **mycobacteria** [isolated from various soils]. 040688
Studies on *saprophytic* **survival** of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, plant residues and soils. 038852

SAPWOOD

Brown *sapwood* stain of ponderosa pine [Pinus] caused by Cytospora sp.: cultural and histological aspects. 038764
Fungal [Phellinus tremulae] decomposition of *sapwood* and **hearthwood** of European aspen, Populus tremula L. 038610

SARCOCYSTIS

Light and electron microscope studies on cysts of *Sarcocystis* **fusiformis** in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from cats. 035292
Light and electron microscope studies on cysts of *Sarcocystis* **ovicanis** Heydorn et al. (1975) within muscle fibres of sheep. 035286

SARCOMA

High spontaneous mutation rate of an **avian** *sarcoma* virus. 035131
Studies of FeSV [**Feline** *sarcoma* virus] induced sarcomata in sheep with particular reference to the regional lymphatic system. 035006
All intact subunit RNAs from **Rous** *sarcoma* virus contain poly (A). 035104
High molecular weight RNAs from **Rous** *sarcoma* virus and Moloney murine leukemia virus contain two subunits. 035105
In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of **Rous** *sarcoma* virus: lack of influence of RNase H [Ribonuclease H]. 035132
Interaction of tryptophan transfer RNA with **Rous** *sarcoma* virus 35S RNA. 035165
Rous *sarcoma* virus activates embryonic globin genes in chicken fibroblasts. 035188
Interference between the pathogen of Newcastle disease in poultry and the **Rous** *sarcoma* virus in vitro. 035205

SARCOPHAGA

Histopathological effect of thiourea on the ovarian tissues of *Sarcophaga* **ruficornis** (Fabr.). 039740

SARCOPHAGIDAE

Diapause in the Australian flesh fly Tricholioproctia impatiens **(Diptera:** *Sarcophagidae).* 039630
Diapause in the Australian flesh fly Tricholioproctia impatiens **(Diptera:** *Sarcophagidae).* 039631

SARCOPLASMIC

Effects of adenosine 3':5'-monophosphate-dependent protein kinase on *sarcoplasmic* **reticulum** isolated from cardiac and slow and fast contracting skeletal muscles [Dogs, cats]. 034039

SARCOPTIDAE

Satanicoptes armatus, n. Gen., n. Sp. (Astigmata: *Sarcoptidae),* a **new** mite producing mange in the Tasmanian Devil (Sarcophilus harrisii Boitard). 039486
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides [Acarina, *Sarcoptidae,* **Psoroptidae**]. 039510

SARCOPTIFORMES
Parasitic mites of Surinam. XXXII. New species of feather **mites** *(Sarcoptiformes,* Analgoidea). 040082

SARCOSPORIDIA
Proposal for a new nomenclature of the *Sarcosporidia* [**Animal** parasites]. 035287

SARGASSUM
Studies on Sargassum. I. A light microscopic examination of the wound regeneration process in mature stipes of *Sargassum* **filipendula** [Algae]. 036268
Fatty acid composition of lipids in some species of marine algae [Codium fragile, Gracilaria vercosa, Undaria **pinnatifida,** *Sargassum].* 036852

SASA
Chloropidae (Diptera) of bamboos of the **genus** *Sasa* Makino et Shibata on Sakhalin and the Kuril islands. II. General analysis of the fauna. 040069

SASANQUA
A new cultivar of presumable hybird between Camellia japonica and **Camellia** *sasanqua.* 038394

SATSUMA
Studies on the quality of citrus fruits. III. Translocation of 14C [carbon isotope]-labeled compounds from leaves to fruit in *Satsuma* **mandarin** oranges. 037757
Critical temperature for frost damage at sprouting stage in *Satsuma* **orange.** 039046
Special theme on the proposals for promoting the production and marketing of *Satsuma* **oranges.** 031680

SATURATION
Genetic analysis of a population of Tribolium [castaneum]. V. Viability of the *unsaturated* **fatty** acid sensitive mutant. 039654
Theoretical and practical aspects of dynamic consolidation [of **fine** *saturated* soils]. 040592
Measurement techniques for the prospection, exploitation and protection of **gas** *saturated* underground waters as applied in Czechoslovakia. 041311
Neutron logging in **partially** *saturated* media [Water content]. 041578

SATURNIIDAE
Cephalic and thoracic nerves of the castor silk moth Samia ricini **(Lepidoptera,** *Saturniidae).* 039606
The external genitalia of a gynandromorph of Nudaurelia cytherea cytherea (Fabr.) **(Lepidoptera:** *Saturniidae).* 039843

SATYRIDAE
Studies on the natural history of Central American butterflies in the family **cluster** *Satyridae-Brassolidae-Morphidae* (Lepidoptera: Nymphaloidea)> III. Opsiphanes tamarindi and Opsiphanes cassina in Costa Rica and El Salvador. 040147

SAUCES
Supervision of tinned-foods freezing; experience in Rostockregion [Meat and *sauce* **meals**]. 033098
Neutral polysaccharides in **soy** *sauce.* 033248
Participation of Amadori rearrangement products and carbonyl compounds in oxygen-dependent browning of **soy** *sauce* [during storage]. 033253

SAUERKRAUT
Sauerkraut, a **natural** product in tin cans [Manufacture]. 033392

SAUSAGE
Physical guide values for meat technology. II. 4. Cooked cured meat products. 5. Liver sausage. 6. **Blood** *sausage.* 033062
The correlation between price and **composition** of *sausages.* 033071
On the reduction of residual nitrite in the production of **cooked** *sausages.* 033113
Notes on some hygienic parameters in the production of **Czabayka** *sausages* under conditions of meat-processing industrialgroup. 032143
Dry *sausage* and raw meat products. II. Raw meat products. Smoking and storage of raw cured meat. 033057
Dry *sausage* and raw meat products. II. Raw meat products. 033058
Physical guide values in meat technology. III. 7. **Dry** *sausage.* 8. Raw cured meat products. 033061
Possible ways of controlling the manufacture of **dry** *sausage.* 033064
Technological control of **dry** *sausage* ripening. V. Quality of dry sausages as a function of molecular weight of added carbohydrates. 033068
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and drying air velocity on some properties of **dry** *sausage.* 033090
Studies on adhesion of fish meat products to casing in **fish** *sausage* and Kamaboko. V. Effect of surface active agent on the adhesiveness of fish sausage. 032765
Studies on adhesion of fish meat products to casing in **fish** *sausage* and Kamaboko. VI. The effect of different starches on degree of meat adhesiveness to the casing. 032766
A method of determining the consistency of **frankfurter-type** *sausages.* 033054
Method of measuring the color of **frankfurter-type** *sausage.* 033059
Physical guide values for meat technology. I. 1. Fresh meat. 2. Frozen meat. 3. **Frankfurter-type** *sausages.* 033063
The formulation of recipes for **frankfurter-type** *sausages.* 033073
Examining and **judging** *sausage* rolls. 032001
Physical guide values for meat technology. II. 4. Cooked cured meat products. 5. **Liver** *sausage.* 6. Blood sausage. 033062
Official limits to storage times for pre-packed meat and *sausage* **products.** 032004
Possible ways of checking the closure of aluminium containers for meat dishes and *sausage* **products.** 033065
The composition of *sausage* **products** in Lower Saxony. 033070
Improved characteristics for dry, fermented **turkey** *sausage.* 033127

SAVANNAH
Land preparation of **Imperata** *savannah* or grass pastures [which is to be planted in oil palm or coconut]. 038091
Effects of potassium fertilization on Hevea grown on tertiary sandy soils in the *savannah* of the **lower** Ivory Coast. 040956
Nursery techniques in the *savanna* **region** of Nigeria [Forestry]. 035683
The influence of pH [hydrogen-ion concentration] on the adsorption of phosphate by soils from the Guinea and **Sudan** *savannah* zones of Nigeria. 041046

SAWFLIES
Some peculiarities of the trophic relationship between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the **fox-coloured** *sawfly* Neodiprion sertifer. 039976
Aerial application of a nuclear polyhedrosis virus to control European **pine** *sawfly* [Neodiprion sertifer]. 039382
Three years large area control of the **spruce** *sawfly* [Pristiphora abietina] with ultralow volume malathion spray in Styria. 039377

SAWING
Use of increased radial areas relative to sawing larch wood by the method of *sawing* through and through without **first** slabbing. 035827
Automated control of the precision of **frame** *sawing.* 035802
Frame displacement and deformation of **frame** *saws.* 035809
Use of increased radial areas relative to *sawing* **larch** wood by the method of sawing through and through without first slabbing. 035827
Sawing **pattern** effect on warp loss of hard maple [Acer saccharum] dimension stock. 035748
Testing of Polish made carburetors for PS-90 **power** *saws.* 035831
Control of the dimensions and moisture content of *sawn* **timber.** 035844
Factors affecting the quality of *[sawn* **timber]** finger joints manufactured in commercial jointing machines. 035845
Surface smoothness measurement of *sawn* **timber.** 035846
The importance of solving the problems with dividing cut of logs for the *sawn* **wood** industry in the German Democratic Republic. 035772

SAWMILL
Ways of increasing productivity of semi-automatic **lines** *[Sawmills].* 035801

SCAB
An isolate of the **pear** *scab* fungus, Venturia pirina, tolerant to benzimidazole fungicides. 038630
Control of **potato** *scab* by cultural practices [Streptomyces, Spongospora subterranea]. 038836

SCALD
Sesquiterpene hydrocarbon farnesene and its relation to the apple surface browning, *scald* [during **storage**]. 033440

SCALE
A new observation on the association between ants (Hymenoptera: Formicidae) and **armoured** *scale* insects (Homoptera: Diaspididae). 039229
Surgery and orthopedic equipment in *large-scale* **cattle** farms. 034949
Comparative study on the breeding performance of various breed sows kept under *large-scale* **conditions.** 034539
Organization of *large-scale* **dairy** cattle raising. 033690
Management of *large-scale* **environmental** modeling projects. 041542
Demonstrative studies on *large-scale* **farming** of beef cattle in the southern Kyushu District. II. An experiment on fattening steer calves by open-air management. 034348
The economic problems of feedstuf management on *large-scale* **farms.** 031460
Maps of weeds on a *scale* of 1:10 000 at the **farms** of the Agricultural State Enterprise Sarulesti. 039160
Experience regarding the organization of pome fruit harvest in *large-scale* **horticulture.** 031286
State and trends in ornamental plant breeding on an **international** *scale.* 036493
San **Jose** *scale* [Aspidiotus perniciosus, fruit pest control, Uruguay]. 039319
The situation in the San **Jose** *scale* (Quadraspidiotus perniciosus Comst.) areas of Baden-Wurttemberg twenty years after releasing Prospaltella perniciosi Tow. [Fruit pests,. 039373
Atmospheric and pressurized refining of wood chips—**laboratory** *scale* studies. 035851
Examination of the resting of cattle under **large** *scale* technological conditions. 033594
Decline of animal power and rearing of solipeds, mechanization of agriculture: For **large** *scale* production of meat horses, creation of meat type breeds. 034610
Gastric ulcer of swine in **large** *scale* [raising and fattening] farms. 035375
Improved orchids supply by **large** *scale* production with the application of modern cultivation methods. 038311
Should there be a warning against **large** *scale* professional beekeeping? 040214
Estimating feed production requirements [on a **national** *scale,* fur animals]. 031570
Contemporary aspects of *large-scale* **poultry** farming in Czechosovakia. 031385
Morphological and physiological bases of some locomotor disturbances of swine **raised** on a *large-scale.* 035381
The **rhodesgrass** *scale* [Antonina graminis] in Israel. 1. Life history, distribution, host plants and indigenous natural enemies [Eragrostis bipinnata, Paspalidium geminatum, Saccharum biflorum]. 039281
The introduction of Neodusmetia sangwani (Rao) (Hymenoptera: Encyrtidae) into Israel for the control of the **Rhodesgrass** *scale,* Antonina graminis (Maskell) (Homoptera: Pseudococcidae). 039292
Appraisal of the effectiveness of treating pine stumps by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on **semi-economic** *scale* [Fomes annosus, biological control]. 038814
Results of a **small** *scale* field trial in Nigerian cattle of foot-and-mouth disease vaccines produced from local virus strains. 035023
On the correction of *large-scale* **soil** studies made from aerial photographs. 040748
Changes of *scale* in the **study** of the evolution of the genetic variance through selection in Tribolium castaneum. 039614
Congenital tremor of baby pigs—a current problem of *large-scale* **swine** husbandry. 035378
Studies on the accuracy of contour map of a forest tract obtained from a magnification of *medium-scale* **topographic** map. 035593
Economic examination of vintage in a **wide-spaced** *large-scale* vineyard. 038225

SCANNING
Differential *scanning* calorimetry of palm kernel oil products. 032856
Scanning **electron** microscopy of the endosperm of cereal crops. 3. Starch cell layer of white-core rice. 033195
Scanning **electron** microscopy of the endosperm of cereal crops. 4. Starch cell layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Scanning **electron** microscopic visualization of collagen fibers in embryonic chick skin. 033877
A *scanning* **electron** microscope study of the structures of normal, tension and morphactin IT 3456 induced wood in Aesculus hippocastanum. 035703
Scanning **electron** microscopy: a practical tool in wood technology. 035749
Scanning **electron** microscopy of the backs of Tortula desertorum Broth. leaves coming from different localities in Spain. 036259
The development of conidiophores of Erysiphe graminis DC. f. Sp. hordei Marchal [on barley leaves] as observed by *scanning* **electron** microscope. 038846
Scanning **electron** microscopy of the ticks Ixodes laguri andIxodes arboricola: surface structures of Haller's organ. 039456
A new specimen preparation technique for the *scanning* **electron** microscope [Soil structure]. 040582
A technique to enhance detail on *scanning* **electron** micrographs of geological materials [Soils, sands]. 040583
Application of antitranspirants in fruit growing; preliminary optic and *scanning* **microscopic** reliefs. 037836

SCAR
Studies on collagen synthesis in the mature **dermal** *scar* in the guinea pig. 034208

SCARABAEIDAE
New *Scarabaeidae* (Coleoptera) from Asia [Aphodius, Onthophagus]. 039995
A new species of the genus Protaetia [lombokiana] Burm. From Indonesia. (88th contribution to the **study** of *Scarabaeidae).* 040154
Scarabaeidae in **two** mountain pastures in Poland and Bulgaria. 039998

SCARIFICATION
Effects of **mechanical** *scarification,* seed position and gibberellic acid on germination in Cherimoya (Annona cherimolia Mill). 037835

SCATOPHAGIDAE
Coniosternum obscurum Fall. (Diptera, *Scatophagidae)* in **Wiltshire.** 040017

SCATTERING
Small-angle **X-ray** *scattering* study of the interaction between lysine transfer RNA ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057

SCENEDESMUS
Biological effect of some alcohols isolated from essential oils [of *Scenedesmus* **acutus,** Algae]. 037252

Effects of gibberellic acid and maleic hydrazide on certain biochemical indices of *Scenedesmus* **obliquus** [Algae]. 037274
Ion exchange with *Scenedesmus* **obtusiusculus** [Algae]. 036723
Effects of a light-Dark cycle on the growth of *Scenedesmus* **protuberans** Fritsch [Algae] in light-limited continuous cultures. 036961
The effect of synchronizing dark period on populations of *Scenedesmus* **quadricauda** [Algae]. 036829
Scenedesmus **trainorii** sp. Nov. (Chlorophyta, Chlorococcales): a polymorphic species [Algae, new taxa]. 036111

SCENT *see* ODOR

SCHEDORHINOTERMES
1,13-tetradecadien-3-one and homologs: new natural products isolated from *Schedorhinotermes* **[lamanianus]** soldiers. 039936

SCHEDULE
Fertilizer *schedule* for greenhouse tomatoes and cucumbers in southwestern Ontario. 041059
Scientific **irigation** *scheduling* for salinity control of irrigation return flows. 041241
Scheduling **irrigation** with constant level evaporimeter. 041242
Economic use of water with nitrogen fertilization and assessment of suitable indices for *scheduling* **irrigation** in sugarcane. 041339
A **modified** *schedule* for sugarcane chromosomes. 036303

SCHEFFLERA
Comparative wet-digestion and dry-ashing of orange and *Schefflera* **[actinophylla]** leaves for nutrient determinations. 037730
New for the flora of the North Vietnam species of the **genus** *Schefflera* Forst. et Forst. f. from the subsection Octophyllae Tseng et Hoo and some problems of their biology. 035977
On the morphology of the ceratoneon thrips galls of *Schefflera* **racemosa** Harms. [Liothrips ramakrishnae]. 039236

SCHISANDRA
Method for the quantitative determination of schizandrin and schizandrol in *Schisandra* **chinensis.** 036890

SCHISTOSOMA
A natural case of *Schistosoma* **mansoni** in the chimpanzee (Pan troglodytes versus) [Laboratory animals]. 035142

SCHISTOSOMATIDAE
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: *Schistosomatidae)* **passively** via lymphoid cells and/or serum [Pekin ducklings]. 035217

SCHIZAPHIS
Sorghums that resist greenbugs *[Schizaphis* **graminum].** 039256

SCHIZOPHYLLUM
An inherited "neoplasm" in a fungus *[Schizophyllum* **commune].** 036622
An attack of *Schizophyllum* **commune** Fr. On young plants of white poplar [Populus alba]. 038594

SCHIZOSACCHAROMYCES
Glucanases in *Schizosaccharomyces,* **isolation** and propertiesof an exo-beta-glucanase from the cell extracts and culture fluid of Schizosaccharomyces japonicus var. varsatilis. 036817
Fermentation of various sugars in Saccharomyces ellipoideus and *Schizosaccharomyces* **pombe** [Wine musts, yeasts]. 033337
Mutagenesis in yeast [Saccharomyces cerevisiae, *Schizosaccharomyces* **pombe].** 036587
Synchronization of the fission **yeast** *Schizosaccharomyces* pombe using heat shocks. 037110

SCHOOLS
The university **agricultural** *schools* in response to the world food situation. 031884
Principal **champions** *school* lunch. 032683
The *school* and **cultivation** sites [Horticulture]. 038460
Enid *school* lunch packs one-two punch. 032682
Working and learning in *school* **foodservice.** 032608
Graduates of forestry faculties of graduate schools and secondary **forestry** *schools* in Poland in the years 1954-1972, and their employment. 035489
Evaluation of a **ghetto** *school* breakfast program. 032352
Graduates of forestry faculties of **graduate** *schools* and secondary forestry schools in Poland in the years 1954-1972, and their employment. 035489
Garden at **Hanalei** *[School].* 038483
ARA vends nutritious foods and beverages in 2 N.J. **High** *schools.* 032559
High *school* vender product sales average less than 4 items per month for each student. 032561
High *school* maximizes use of space. 032654
Minuteman **High** *School:* bicentennial foodservice. 032679
ARA's nutrition rainbow **leads** *school* lunch to gold. 032544
Fast food gets an "A" in *school* **lunch.** 032687
What's for lunch? A look at *school* **lunches** [Programs]. 032169
School **lunches** go buffet. 032619
Nutrition as part of the **medical** *school* curriculum. 032469
Nutritional status of Head Start and **nursery** *school* children. I. Food intake and anthropometric measurements. 032356
Type A lunches win high marks at Bethel **Park** *Schools.* 032575
An applied nutrition program among **Philippine** *pre-school* children. 032261
Now, hot lunch for all kids at **Reading** *schools.* 032656
Kids eat and learn during *school* **recess.** 032691
Tasmanian *school* canteen survey. 032233
The condition of education, **technical** *schools* in the change of times [Agriculture]. 031065

SCIONS
Effect of grafting dates on the growing together of rootstock and *scion* **[Grapes].** 038468
Training of vines on parental stocks of **intensive-type** *scion* grapevines. 038476
Stock-scion **relationship** in some compatible and incompatible unions of nursery pear plants. 038293
On the nature of male sterility occurring in the seed progeny of *scions* in **sugarbeet.** 036685

SCIRPUS
A new species of *Scirpus* **[colchicus]** L. Genus from Georgia [USSR]. 036140

SCIURIDAE
Fleas [Siphonaptera] of *Citellus* **fulvus** Licht. And their infection rate with the plague agent over the territory of Kazakhstan and Central Asia. 039498

SCLERODERRIS
Scleroderris **[lagerbergii]** canker of Todo-fir [Abies sachalinensis] in Hokkaido, northern Japan. V. Relationship between disease development and forest type. 038613

SCLEROTINIA
New records of three diseases [Glomerella cingulata, *Sclerotinia* **sclerotiorum,** Botryodiploidia theobromae] of chilli in India. 038700
Germination of Botrytis [cinerea] and *Sclerotinia* **[sclerotiorum]** spores in the presence of pollen on tobacco leaves. 038751
Contribution to the methods of *Sclerotinia* **sclerotiorum** (Libert) Masse inoculation of sunflower. 038783

SCLEROTIUM
Preliminary studies on the variability among *Sclerotium* **cepivorum** Berk. isolates in their toxin(s) production and pathogenicity [to onions]. 038560
Melanin like compound in the *sclerotia* of **Macrophomina** phaseolina [Soybeans]. 038698
Vertical distribution and survival of *Sclerotium* **oryzae** [stem rot of rice] under various tillage methods [Cultural control]. 038776
The influence of *Sclerotium* **rolfsii,** mulches and season on dwarf bean (Phaseolus vulgaris) yields in Western Samoa. 038562
Collar rot of pumpkin caused by *Sclerotium* **rolfsii.** 038679
Inhibition of fungicidal action of cyano (methylmercuri) guanidine by cysteine and glutamic acid [of *Sclerotium* **rolfsii].** 038697
Leaf spot of tomato caused by *Sclerotium* **rolfsii** [Nigeria]. 038778

SCOLYMUS
Effect of artichoke **(Cynara** *scolymus* L.) extracts on urination and salt voidance of rats. 034886

SCOLYTIDAE
Synthesis of optically active forms of sulcatol. The aggregation pheromone in the *scolytid* **beetle,** Gnathotrichus sulcatus. 039934
Ipsenol, the population control material for silver fir bark beetle [Pityokteines curvidens, **Coleoptera,** *Scolytidae].* 039404
Studies on *Scolytidae.* XIII. **Twenty-one** new species of Cryphalini from Japan (Coleoptera). 040001

SCOLYTOIDEA
Fauna Argentinensis . VII. The Nahuel Huapi National Park. 316. Contribution to the morphology and **systematics** of the *Scolytoidea.* 040144
Synonymy of bark beetles XXVI. 318. Morphology and **taxonomy** of *Scolytoidea.* 040160

SCOLYTUS
The penetration of females of the fruit bark **beetle** *Scolytus* mediterraneus Eggers into antifeedant-treated twigs in laboratory tests. 039372
Study of the diseases of the European elm bark beetle, *Scolytus* **scolytus** F. in the Kosova area, Yugoslavia. 039381

SCORE
The relationship of **visual** *scores,* body measurements, and fat thickness with performance and composition of bulls on 140-day feed test. 034800

SCORPIONS
Effects of venom from the *scorpion* **Heterometrus** fulvipes onsome enzyme systems of sheep brain. 035448
Scorpion **stings** in dogs. 039489

SCREENING
A **biological** *screen* of selected species of the genus Euphorbia for skin irritant effects. 037186
Screening for **fatty** acids in oilseed breeding programmes using lipase and paper chromatography. 036564
Evaluation of "piegon **grass"** *screenings* as a component of rations for growing-finishing pigs. 034452
Horizontal *screen-conveyor* centrifuges on the egg production farms. 040423
Preliminary studies on *screening* of **insecticides** for the control of rice stem borer [Tryporyza incertulas]. 039252
A **new** *screen* for wastepaper systems. 035875
Properties and functions of *screening* **pigments** in insect eyes. 039794
Screening of **promising** sugarcane varieties for resistance to smut by Ustilago scitiminea Syd. in the Punjab. 038722
Screening of **systemic** and non-systemic fungicides against Fusarium oxysporum causing foot and root rot of wheat. 038714
Screening **tobacco** seedlings for resistance to Phytophthora parasitica var. nicotianae [black shank]. 038773

SCREWWORM
Screwworm **flies** [Cochliomyia hominivorax] for sterle-male relase: laboratory tests of the quality of candidate strains. 039487

SCROPHULARIACEAE
On **fertilization** in *Scrophulariaceae.* 036841
A new species of Penstemon [henricksonii] *(Scrophulariaceae)* from **Mexico.** 036048

SCUTELLARIA
Natural products from medicinal plants. XX. Scutellarioside-I and -II, a 10-cinnamoyl-and 10-(4-hydroxycinnamoyl) from *Scutellaria* **altissima** L. 037081

SCUTELLUM
Scutellar **bristles** pattern in Drosophila melanogaster. 039765

SCUTIGERELLA
Control of garden centipede *[Scutigerella* **immaculata]** on greenhouse spray Chrysanthemums; progress report. 039332

SCYTODIDAE
A revision of the spider genus Loxosceles Heinecken & Lowe, 1835 (Araneae: *Scytodidae)* in **southern** Africa with notes on the natural history and morphology. 040096

SEA
Critical level of **airborne** *sea* salt inducing foliar injury to bean. 038992
The effect of seaweed macrophytes [Algae] on diurnal balance of vitamin B12 in Bay of **Barentz** *Sea.* 036845
Soil erosion protection of *sea* **dike** foundations. 041211
The red algae of the far **eastern** *seas* of the USSR; foliose cryptonemiacean algae (Cryptonemiales, Rhodophyta) [New taxa]. 035986
Evaluating *sea* mussels in the consumer area on the basis of food **regulations** [Seafood]. 031999
Some European developments in the chilling and freezing of **fish** at *sea.* 032755
Chromatographic analysis of phytoplankton pigments in the northwest **Mediterranean** *sea* and near the Atlantic coast of Morocco. 036999
The **Mediterranean** *sea* condemned to death because of inadequacy of legislation [Water pollution]. 041479
Application of mathematical models to the study, monitoring and [natural resource] management of the **North** *Sea.* 041538
Recent studies on biological effects of crude oils and oil-dispersant mixtures to **Red** *Sea* macrofauna [Water pollution]. 041508
Comparison between **refrigerated** *sea* water (with or without added carbon dioxide) and ice as storage media for fish to be subsequently frozen. 032739
Mobilization of metals in the Dutch **Wadden** *Sea.* 041514

SEAFOOD
Evaluating sea mussels in the consumer area on the basis of food **regulations** *[Seafood].* 031999

SEASONS
Observation on the biology and *seasonal* **abundance** of an encyrtid wasp [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. 039483
Communications relating to the 1973-1974 **agricultural** *season.* II. The 1974 grape growing season and situation of French viticulture. 031769
Some taxonomical and biological observations of the aphids caught on the vegetables in **autumn** *season.* 040000
Fertility of liquid boar semen as influenced by **breed** and *season.* 034661
Effects of pasture management systems and *season* of **breeding** on reproductive performance of beef cattle. 034724

Variation in birth weight due to *season* of **calving** in different filial groups of Brown Swiss crossbred calves. 033967
Survey of the methods for long term storage of poultry eggs. 8. *Seasonal* **changes** in interior quality of quail (Coturnixconturnix japonica) **eggs** from retail stores. 033134
The influence of *seasonal* **changes** in light on hormones in normal cats and in cats with lesions of the superior colliculi and pretectum. 034064
Seasonal **changes** in two algal populations from the coastal waters of Washington State. 036224
A note on the *seasonal* **changes** in the incubation time of groundnut rust [Puccinia arachidis]. 038602
The relationship between endogenous and exogenous factors in the regulation of *seasonal* **changes** in the photoperiodic reaction of arthropods [Tetranychus urticae, Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Seasonal **changes** in physiological age composition of tabanid (Diptera) populations in southern Ontario. 039857
Market regulation of vegetables produced during the **current** *season*. 031622
Morphological and biological adaptations of the imaginal phase of Encyrtus infidus Rossi (Hymenoptera, Chalcidoidea) to the *seasonal* **cycle** of the host Eulecanium caraganae Borchs. 039715
Algal nitrogen fixation in Californian streams: *seasonal* **cycles.** 036949
A study of *seasonally* **delayed** puberty in the male hare, Lepus europaeus. 034678
The effect of sowing date and *season* on the **development** and yield of navy beans (Phaseolus vulgaris) in south-east England. 038388
Seasonal **distribution** of Protura in three Delaware forests [Eosentomon vermiform, Acerella]. 039709
The influence of Sclerotium rolfsii, mulches and *season* on **dwarf** bean (Phaseolus vulgaris) yields in Western Samoa. 038562
Seasonal **dynamics** of the mass of aboveground and underground organs of meadow steppe plants. 037326
Peculiarities of diurnal and *seasonal* **dynamics** of transpiration intensity of meadow plants. 037375
Seasonal **dynamics** of lysimetric water composition in the profile of a sandy podzolic soil of a larch forest (Karelian isthmus). 040741
Seasonal **dynamics** of humic acids and various forms of nitrogen in a podzolic soil. 040742
Seasonal **flight** periods of Tabanidae (Diptera) in Rhodesia. 039842
Heat exchange through blackcloth and blackcloth substitutes [for the use in commercial greenhouses to shorten the day length for *off-season* **flowering** of chrysanthemums]. 037711
Studies on lichen-dominated systems. XIII. *Seasonal* and **geographical** variation of new CO2 [carbon dioxide] exchange of Alectoria ochroleuca. 036856
Communications relating to the 1973-1974 agricultural season. II. The 1974 grape **growing** *season* and situation of French viticulture. 031769
Effect of **growing** *season* and different storage temperatures on the keeping quality of squash fruits. 033360
Performance after six **growing** *seasons* of new species established from seed in Callunetum in north-east Scotland. 037038
Changes in leaf area and specific leaf weight of sugarbeet leaves during the **growing** *season*. 037388
Effects of artificial shading on the growth of forest trees. I. Differences in growth of Cryptomeria japonica seedlings in shade during a **growing** *season*. 037924
Seasonal **growth** increment of pine, spruce, oak and birch in mixed stands of the Svesskii Forest Enterprise. 035598
The incidence of Concinnum ten in raccoon dogs captured in Miyazaki prefecture. Results obtained in **hunting** *season*, from November 1974 to February 1975. 035013
The evaluation of the dynamics of *seasonal* **increment** of Larix dahurica in a forest tract Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). 037899
Seasonal **notes** for fodder growers. 038021
Seasonal **notes** [Vegetables, cultivation]. 038342
Seasonal **notes** for citrus growers. 038343
Seasonal **notes** for fruit growers. 038344
Seasonal **notes** for hothouses [Greenhouses]. 038345
Seasonal **occurrence** and ecology of marine algae in a New Hampshire tidal rapid. 036136
The technical care of machine chains **operated** in the *season*. 040442
Before starting a new **pelting** *season* [Skinning fur-bearing animals, foxes, minks]. 033100
The *season* for **planting** in Mediterranean reforestation [Program]. 035655
Effect of defoliation and nitrogen treatment on total and *seasonal* **production** of grass. 040885
Phenological variations and *seasonal* **rhythmics** of some forage herbs. 037554
Inheritance of pericarp thickness in **short** *season* maize inbreds. 036409
Response of *cool-season* **turfgrasses** [Poa pratensis, Festuca rubra] to liquid applications of fertilizer. 041057
Blood values of male adult Beagle [dog] and *seasonal* **variation.** 033841
A note on *seasonal* **variation** in normal water intake by indigenous and crossbreed sheep. 034278
[Seasonal] **variation** in the mineral contents of leaves of trees in miombo woodland [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. 037918
Seasonal **variations** in the response of the testis and LH [luteinizing hormone] levels to hemicastration of adult rams. 034693
Seasonal **variations** in the composition of Pinus halepensis and Pinus sylvestris twigs and needles essential oil. 037913
Herbicides for weed control during establishment of **warm** *season* turfgrasses. 039171

SEAWEED

Rheological properties of agar-agar gels: the effect of alkaline concentration in pretreatment upon rheological properties of hydrogels of Gracilaria [blogetti] and Gelidium [**amansii**, *seaweeds]*. 037137
Sulphated polysaccharide of the thallus of **brown** *seaweed* Undaria pinnatifida, Wakame. 032849
Growth regulators from the *seaweed* **Chondrus** crispus L. (Lyn.) [Algae]. 037044
Researches in the field of *seaweeds* [**Cystoseira** barbata] chemistry. IV. Molecular structure of alginic acid [Algae]. 036863
Microorganisms in gums. IV. Microbial degradation of plant exudates and *seaweed* **extracts.** 032155
Kelp **fly** [Chaetocoelopa sydneyensis] virus [cultured in Galleria mellonella larvae]. 039851
The effect of *seaweed* **macrophytes** [Algae] on diurnal balance of vitamin B12 in Bay of Barentz Sea. 036845

SECALE

Meiotic behaviour of single-arm tetrasomic combinations of isochromosomes, telocentrics and normal chromosomes in **rye** *(Secale* cereale L.). 036416
Polymorphism of chromosomes of inbred lines and species of populations of **rye** *(Secale* cereale L.). 036469
Cytogenetic investigation of mutation process in the population and pure lines of rye **seeds** *(Secale* cereale L.) under storage. 036511

SECRETION

The effect of sympathetic nerve stimulation on serum gastrin, gastric **acid** *secretion* and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078
Autonomic regulation of *secretory* **activity** and growth responses of rat parotid gland. 033948
Secretory **activity** of the sexual apparatus in swine and rabbit females at the period of fertilization and early embryogenesis. 034812
Bioelectrical properties of *secretory* **cells.** 033949
Cellulase *secretion* by second stage larvae of the root-knot nematode (Meloidogyne javanica) [Tomatoes]. 039032
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the synthesis of **dihydroterpenediol** *secreted* by the African monarch butterfly [Danaus chrysippus]. 039935
Changes in the whey protein fraction in mastitis milk, colostrum and **drying** off *secretions*. 032053
Role of calcium in exocrine pancreatic secretion. II. Comparison of the effects of carbachol and the ionophore A-23187 on **enzyme** *secretion* and calcium movements in rabbit pancreas. 033812
The action of some inhibitors and stimulators of phosphodiesterase and adenylate cyclase on electrolyte and **enzyme** *secretion* by the pancreas [Cyclic adenosine monophosphate]. 033944
Transport and conversion of sugars in nectaries in connection with the *secretory* **function** [Asclepias, pumpkins]. 037283
The constituent concentrations of mammary **gland** *secretions* of non-lactating quarters as influenced by lactating quarters [Dairy cattle]. 034174
Role of calcium and cyclic AMP [adenosine monophosphate] in controlling fly [Calliphora] salivary **gland** *secretion*. 039799
Regulation of **gonadotrophin** *secretion* in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of **gonadotropin** *secretion* in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
The membrane of *secretory* **granules:** structure, composition and turnover. 033963
Electrical stimulation of the hypothalamus and luteinizing **hormone** *secretion* in Japanese quail. 034054
Control of **kallikrein** *secretion* from salivary glands. 033951
Current knowledge on the energy metabolism and the *secretory* **mechanism** of the eccrine sweat glands. 033933
Milk *secretion* in the rabbit: Changes during lactation and the mechanism of ion transport. 034075
The effects of prolactin and oxytocin on **milk** *secretion* and on the permeability of the mammary epithelium in the rabbit. 034079
Nectar *secretion* in cotton flowers and its relation to floral visits by honeybees [Apis mellifera]. 040188
Some toxic, physical and chemical properties of the **oral** *secretion* of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. 039496
Role of calcium in exocrine **pancreatic** *secretion*. II. Comparison of the effects of carbachol and the ionophore A-23187 on enzyme secretion and calcium movements in rabbit pancreas. 033812
The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the **pancreatic** *secretory* trypsin inhibitors. 033923
The role of calcium and of cyclic AMP [adenosine monophosphate] in **pancreatic** *secretory* processes. 033946
Membrane potential changes and *secretion* in **parotid** glands. 033954
Critical density for relaying in Dictyostelium discoideum [fungi] and its relation to **phosphodiesterase** *secretion* into the extracellular medium. 036320
Secretory **potentials** in cat, rabbit and mouse salivary glands. 033959
Secretory **potentials** in cat and possum [Salivary glands]. 033960
On *secretory* **proceses** and membrane potential of dogs submaxillary gland. 033956
Role of calcium in *secretory* **processes.** 033958
Effects of specific neutralization of luteinizing hormone and prolactin on ovarian blood flow and **progesterone** *secretion* [in ewes]. 034640
Intracellular control mechanisms **regulating** *secretion* by exocrine and endocrine glands. 033939
Relatonship between sodium excretion and **renin** *secretion* by the perfused kidney [Dogs]. 034154
Secretory **responses** to sympathetic stimulation of the cat's salivary glands in a state of resting secretion. 034162
Spontaneous *secretion* in the rabbit submaxillary gland. 033942
Uteroglobin-like antigen in the male genital **tract** *secretions* [Rabbits]. 033861
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and **water** *secretion* in dog salivary glands. 033929

SEDATION

Sedation and **general** anesthesia [Cats]. 034891

SEDIMENTS

Sedimentation in **Birch** Lake, Iowa County, Wisconsin. 041387
Sources and sediment yield of Hawaiian watershed and **coastal** *sediments*. 041393
Comparative costs of erosion and *sedimentation* **control** measures. 041175
[Soil] erosion and *sediment* **control** on reshaped land. 041185
Sediment **control** at Imperial Dam [Colorado River, flood control]. 041381
Sedimentation in **Coon** Creek Valley, Wisconsin [Eroded watershed]. 041388
Effect of land use on *sediment* **delivery** ratios [Erosion on watersheds]. 041371
Quartz oxygen isotopic stability in relation to isolation from *sediments* and **diversity** of [soil] source. 040771
Studies on **erythrocyte** *sedimentation* rate in buffaloes. I. Evaluation of various techniques. 033982
Excavated *sediment* traps prove superior to dammed ones. 040383
Evaluation of an **extensive** *sediment* control effort in the Los Angeles River basin [Flood Prevention Project]. 041373
Sedimentation of a **flatland** watershed in Louisiana. 041389
Erosion and *sediment* from **forest** land uses, management practices and disturbances in the southeastern United States. 035606
Gaging *sediment-laden* flows with V-notch weirs [Watersheds]. 041374
A **horizontal** *sediment* bowl with hydroaerodynamical washing [for the control of deposits in irrigation canals]. 041249
Chemical nature of *sedimentary* **humic** acids. 040622
Transformation of *sedimentary* **humic** acids, facts and speculations. 040636
Proceedings of the Third Federal **Inter-Agency** *Sedimentation* Conference, March 22-25, 1976. Denver, Colorado. 041378
Pigments and lipids in the humic acids of some Canadian **lake** *sediments*. 040632
Mangan *sediment* in paddy soil. 040712
A comparison of three methods of extracting organic matter from soils and **marine** *sediments*. 040618
Quantitative fabric analysis of Drammen clay using X-ray diffraction technique [**Marine** *sediment]*. 040678
Microbial indicators of oil-rich salt **marsh** *sediments*. 041486
Pesticide concentrations and yields in runoff and *sediment* from a **Mississippi** Delta watershed. 041625
Physical and chemical characteristics of *sediments* **originating** from Missouri valley loess. 041180
Model study of the drag coefficient of a streambed **particle** *[Sedimentation]*. 041376
Lake **Powell** *sedimentation* surveys [Colorado River Storage Project]. 041375
Sediment **problems** in the Mohave Valley—a case history [Colorado River Management]. 041382
The hydrologic and *sediment* **processes** in natural watershed areas. 041395
Lipid geochemistry of **recent** *sediments* from the Great Marsh, Lewes, Delaware [Vegetation]. 036172
Sediment-phosphorus **relations** in surface runoff from irrigated lands. 041390

Water-supply reservoirs: how much storage space **remains?** *[Sedimentation].* 041350
Distribution of **reservoir** *sediment*—Iowa and Missouri deep loess hills. 041370
Reservoir *sedimentation* associated with catchment attributes landslide potential, geologic faults, and soil characteristics. 041380
Water and *sediment* **routing** from small watersheds. 041398
Separation and gravity thickening in **secondary** *sedimentation* tanks [Sludge]. 041642
Sediment **sources** and yields from sagebrush [Artemisia] rangeland watersheds. 041383
Sediment **storage** in channels draining small forested watersheds in the mountains of central Idaho. 035500
Suspended *sediment,* solar radiation and heat in agricultural reservoirs. 041394
The use of color infrared photography for the determination of **suspended** *sediment* concentrations and source areas [Watersheds]. 041396
A time related automatic **total-load** *sediment* sampler [for measuring streams]. 041366
Sediment **transport** studies in the Delta-Mendota Canal and the California Aqueduct [Water supply]. 041384
Defining the *sediment* **trapping** characteristics of a vegetative buffer. Special case: road erosion [Soil conservation]. 041176
Erosion [on rangeland, forests and cropland] and *sediment* **yield** [to reservoirs] in New Mexico. 041179
Relation of erosion to *sediment* **yield** [Drainage basin]. 041379
Sediment **yield** from steep lands [forest slopes] in the driftless area [Watersheds]. 041385
Sources and *sediment* **yield** of Hawaiian watershed and coastal sediments. 041393
Sediment **yields** from a Mississippi Delta watershed. 041386
Variation and causative factors of *sediment* **yields** in the Arkansas River basin, Kansas. 041397

SEDUM

The taxonomy and cytology of the *Sedum* **laconicum** agregate in south-eastern Europe. 036120
Phenolic compounds from *Sedum* **purpureum.** 036892

SEEDBED

No till and *seedbed* **production** of small grains-ryegrass [Lolium] mixture for forage in east Texas [Cynodon dactylon]. 041147

SEEDING

Mechanized *direct-seeding* of rice adapted to heavy rainfall condition in southeastern Japan. 038052
Ponderosa **pine** *seeding* trials in west-side Sierra Nevada clearcuts: some early results. 035694
Transplanting **versus** *direct-seeding* of processing tomatoes for once-over harvest. 038267
Preparation of soil and *seeding* of **wheat.** 038099

SEEDLINGS

Interrelationships of *seedling* **age,** inoculum, soil moisture level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Translocation and metabolism of [3H]gibberellins by light-grown Phaseolus coccineus [scarlet runner **beans**] *seedlings.* 037819
The hormonal control of amaranthin synthesis in Amaranthus **caudatus** *seedlings.* 037208
Selecting peat for rearing coniferous **container** *seedlings.* 035644
A comparison between host density and inoculum density effects on the frequency of primary infection foci in Pythium [irregulare]-induced damping-off disease [of garden **cress** *seedlings].* 038576
Nutrient requirements for germination of seeds & development of protocorms & *seedlings* of **Cymbidium** in aseptic cultures. 036994
An observation on the summer shoot formation in Pinus **densiflora** *seedlings.* 037921
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of seed ripening, germination and **development** of *seedling.* 037439
Seed and *seedling* **diseases** of crops, their cause and control. 038615
Seed germination and **early** *seedling* growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
Growth of Ulmus laevis and Fraxinus **excelsior** *seedlings* in relation to length of flooding. 035656
Correlation between the weight of seeds and of *seedlings* in the **field.** 037248
Height growth of black spruce and jack pine [Picea mariana, Pinus banksiana] *seedlings* in **flooded** flats. 037911
Seedling **[fungus]** diseases of sugarbeet and their chemical control. 038716
Culture of **grape** *seedlings* in assembled film frame greenhouses. 038466
Mechanized testing of grafted **grape** *seedlings* in cross-section [Propagation]. 038472
Hormonal regulation of hypocotyl elongation in Lactuca sativa L. [Lettuce]. I. Evidence against the involvement of gibberellins in the elongation of hypocotyl in *seedlings* **grown** in the dark. 037778
Ecology of desert plants and observations on their seedlings. IV. Seed germination and *seedling* **growth** in Citrullus species. 036722
Effect of light on seed germination and *seedling* **growth** of Merremia species. 036945
The effects on *seedling* **growth** of simulated seed damage in French beans. 037847
Resistance of **hybrid** *seedlings* of cherry to coccomycosis [Coccomyces hiemalis]. 038809
Early frost damage on Sitka spruce [Picea sitchensis] *seedlings* and the **influence** of phosphorus nutrition. 035472
Loss of ducklings following intake of maple [Acer] *seedlings* **[Intoxication].** 035427
Changes in soluble nitrogens during spring growth of Cryptomeria **japonica** *seedlings.* 037922
Effects of artificial shading on the growth of forest trees. I. Differences in growth of Cryptomeria **japonica** *seedlings* in shade during a growing season. 037924
The effects of potassium supply on growth and nutrient composition of teak (Tectona grandis **L.f.**) *seedlings.* 040973
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a new alkaloid in Lupinus [luteus, yellow **lupine**] *seedlings].* 037517
Effect of gibberellin and kinetin on the rate of photophosphorylation in **maize** *seedlings.* 037424
Fluorescence induction of normal and mutant **maize** *seedlings.* 037441
The fruits, seeds and *seedlings* of **Malayan** trees. I-XI. 036060
Multiple *seedling* development in soybeans [Genetics]. 036571
Studies on selection forest of akamatsu (Pinus densiflora) in Kikuma-cho. 12. On the germination and vanishment of the **natural** *seedlings* and their height growth. 035638
Problems of the chemical control of damping-off of *seedlings* in **nurseries** of the State Forests. 038815
Emergence and organ elongation of *seedling* of **paddy** rice sown under upland field condition as affected by specific gravity and weight of seed. 037542
Chloroplast messenger RNA from etiolated **pea** *seedlings.* 037745
Comparative immunochemical study of proteins of the root and other organs of **pea** *seedlings.* 037860
Effect of salt and abscisic acid on in vitro activity of nitrate reductase in *seedlings* of **Phaseolus** aconitifolius [Moth beans]. 037611
Producing *seedlings* in a strawberry breeding programme. 036490
Assimilatory organs of Scots pine (Pinus silvestris L.) *seedlings* of different **provenience** on comparative plantations in three regions of Poland. 037908
Effects of soil physical properties, irrigation, and fertilization on Pinus **radiata** *seedling* development in the Benalla nursery. 035648
Effects of the granular soil fumigant Basamid on germination, growth, weed control, and nutrition of Pinus **radiata** *seedlings* in the Benalla nursey. 040578
Mitotic activity in **rice** *seedlings* germinating under oxygen deficiency. 037474
A preliminary survey of insect attack on *seedlings* and **saplings** in Bukit Belata Forest Reserve. 039397
Hormonal regulation of morphogenesis and cold-resistance. II. Effect of cold-acclimation and of exogenous abscisic acid on gibberellic acid and abscisic acid activities in alfalfa (Medicago **sativa** L.) *seedlings.* 037480
Ecology of desert plants and observations on their *seedlings.* IV. **Seed** germination and seedling growth in Citrullus species. 036722
Impact of certain environmental conditions upon the growth and development of Scots pine (Pinus **silvestris** L.) *seedlings.* 037937
Effect of urea and ammonium sulphate applied before sowing on sudangrass [Sorghum **sudanese**] *seedlings.* 040993
Screening **tobacco** *seedlings* for resistance to Phytophthora parasitica var. nicotianae [black shank]. 038773
The effect of waterlogging on the transpiration of some **tree** *seedlings* [Fraxinus excelsior]. 037912
Container grown **tree** *seedlings* [Ornamental Quercus]. 038452
Effects of propagation container size on top and root development of **tree** *seedlings* [Cultivation of horticultural plants]. 038454
Effect of doses of nitrogen fertilizers on yield and quality of apple **tree** *seedlings.* 041086
Effect of streptomycin on chlorophyll biosynthesis in **wheat** *seedlings.* 037581

SEEDS

Seed **abortion** in some species and interspecific hybrids of Eucalyptus [from Australia]. 037891
Taxonomic patterns in amino-acids of **Acacia** *seed* globulins [from Australian species]. 036114
Molecular mechanisms of stimulating effect of ionizing radiation on *seeds:* **Activation** of RNA synthesis [Castorbeans]. 037249
Modification of the radiation effect by different factors in **ageing** *seeds* of broadbeans (Vicia faba L.). 037410
Experience of the State Farm I.A.S. Tulucesti-Galati in elevating fodder and *seed* **alfalfa.** 038144
Study of the transmission of Botrytis cinerea by sunflower (Helianthus **annuus**) *seed.* 038796
Changes of enzymatic activity in **apple** *seeds* under the influence of stratification. 037859
Effectiveness of 0.2 MeV neutrons in the irradiation of *seeds* of **Arabidopsis** thaliana (L.) Heynh. 036629
Disease transmission by *seeds* **[Ascochyta,** Phoma betae]. 038790
Circular dichrosim studies on the alpha-D-galactopyranosyl binding lectin isolated from the *seeds* of **Bandeiraea** simplicifolia. 036804
Chemical constituents of the *seeds* and **bark** of Syzygium cumini. 037191
Unscheduled DNA synthesis induced in **barley** *seeds* by gamma rays and 4-nitroquinoline 1-oxide. 037483
Injury and size of **barley** *seed* as affecting its biological activity. 037553
Quality factors affecting the nutritive value of [kidney] **bean** *seed* protein [Methionine]. 032210
Control of *lesser-seeded* **bittercress** [Cardamine oligosperma] in container-grown ornamentals; progress report. 039119
My experiences of growing **cacti** from *seed.* 038295
Performance after six growing seasons of new species established from *seed* in **Callunetum** in north-east Scotland. 037038
Productivity of **carrot** *seed* in relation to inbreedng. 036712
Characterization of proteins and allergens in germinating **castor** *seeds* by immunochemical techniques [to study its potential toxicity as feed]. 033549
Treatment of **cereal** *seeds* and stands with chlorocholine chloride. 038039
Report of acres applied for certification in 1975 by *seed* **certification** agencies. 038103
Take a closer look: now there are two quality levels of **certified** *seed.* 032801
Analysis of Cassia tora **(Chirota** *seeds)* from Indore division of Madhya Pradesh [Feed, cattle]. 034390
Effect of presowing treatments of *seeds* with **chlorcholinechloride** on the winter hardiness of winter wheat. 038154
Development and crop bearing of larch (Larix decidua Mill.) strains in a **clonal** *seed* orchard in the Miedzylesie forest district. 035687
Observations on the condition of red **clover** *seeds* during storage [Botrytis anthophila, Alternaria tenuis]. 038793
Control of the clover weevil [Rhynchophora] in the cultivation of **clover** *seed.* 039305
Seedfall studies in red spruce [Picea rubens, *seed* **collection].** 035643
Information **concerning** *seed* inspection [Field crops]. 033298
The nutritional value of **conophor** *seed* (Tetracarpidium conophorum Welw.) [Rats]. 034371
25 years of *seed* **control** [Austria]. 032136
Oil of the *seeds* of the **cotton** plant of variety AN-401. 033212
The developmental biochemistry of **cotton** *seed* embryogenesis and germination. VI. Levels of cytosol and chloroplast aminoacyl-tRNA synthetases during cotyledon development. 037364
Effects of radioactive iodine on **cotton** *seeds.* 037596
Effect of plant density and time of thinning on the yield of *seed* **cotton** and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185
The possibility of the detection of potential damages to the chromosome structure in *seeds* of **Crepis** capillaris and Crepis tectorum. 036694
Seed **crop** forecasting in eucalypt [Eucalyptus regnans] forests using aerial reconnaissance. 035650
Effect of host and nonhost **crop** *seeds* on vegetative growth and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684
Measures to be taken at harvesting of *seed* **crops.** 038112
Problems in Danish [field] *seed* **cultivation.** 038167
The bitter principles of Diocoreophyllum **cumminsii** *seed.* 037179
Dates, methods and rates of sowing orchardgrass **[Dactylis]** for *seed.* 038056
Effect of *seed* **damage** on growth and development in pea (Pisum sitivum L.) and wheat (Triticum aestivum L.). 038955
Chemical investigation of the *seeds* of **Daucus** carota Nantes [Carrots]. 037748
On the cause of [lettuce] *seed* **deterioration** in dry storage [Germination]. 037845
Nutrient requirements for germination of *seeds* & **development** of protocorms & seedlings of Cymbidium in aseptic cultures. 036994
Localization of gamma globulin in rice seed and changes in gamma globulin content during *seed* **development** and germination. 037338
Oil of the *seeds* of **Dictamus** angustifolius. 032771
An improved seed programme for maintaining **disease-free** *seed* of field beans (Phaseolus vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. 038872
Studies in *seed* **dispersal.** II. Winter-dispersed species at Finse, Norway. 036091
Dendrobium speciosum and *seed* **dispersal** [Culture]. 038271
Study on the effect of **dry** *seed* irradiation with gamma rays in low doses (Co60 and Cs137) [cobalt and cesium isotopes] on the economic qualities of alfalfa. 038138
Early *seed* development in the Triticeae. 036612
Increasing wheat production through **effective** *seed* control. 038434
Development of the *seed,* **endosperm** and embryo in Cynomoriumsongaricum Rupr. (Cynomoriaceae). 036284
Relative importance of *seeds* and **fertilisers** to the production of paddy—a case study. 037954
Heating the *seeds* of **fiber** flax with warm air [for increasing germination percentage]. 037785
The year's prices for **field** *seed.* 031734
Radiation stimulation of *seeds* [of **field** crops and vegetables]; results of five years of experimentation. 037462
Field *seed* harvest 1975. 038164
Machinery and technologies applied in **flax** *seed* conditioning in order to eliminate Lolium remotum seeds. 040520

Seed-borne **fungi** of jute and their control. 038715
Detection of *seed-borne* **fungi** in sorghum and location of Fusarium moniliforme in the seed. 038789
Seed-borne **fungi** of sesame in Uganda. 038794
Seed-borne **fungi** of rice (Oryza sativa) in Nigeria [Drechslera oryzae, Pyricularia oryzae, Trichoconis padwickii]. 038795
Chloroplast growth and replication in germinating spinach cotyledons following massive **gamma-irradiation** of the *seed.* 037811
The effect of pre-irradiation of *seeds* with **gamma-rays** on biology and fruitfulness of cucumbers. 037827
Agrotechnical features of *seed* **garlic.** 038527
Celery yield increased by sowing **germinated** *seeds.* 038360
The mitotic activity of **germinating** *seeds* of barley varieties differing in their cold resistance. 036371
Inheritance of *seed* **germinating** capacity and rate at 26 and 11 degrees Centigrade in F1 tomato interspecies hybrids. 036477
Effect of Aspergillus flavus on the **germinating** *seeds* of some tropical crop plants. 038681
Ecology of desert plants and observations on their seedlings. IV. *Seed* **germination** and seedling growth in Citrullus species. 036722
Effect of light on *seed* **germination** and seedling growth of Merremia species. 036945
Seed **germination** and early seedling growth of wheat (Triticum aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
Investigations on the biology of *seed* **germination** of Agrostis capillaris L. and Festuca fallax Thuill. from grass coenoses on the Vitosha mountain. 037409
The effect of apple flesh on dormancy release and **germination** of *seeds.* 037671
The effect of temperature on the ultrastructure of the cells of the embryos of Euonymus europaea L. in the process of stratification and **germination** of *seeds.* 037898
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the 1000-grains weight and *seed* **germination** of wheat. 038132
Annotated bibliography on substrates and nutrients for orchid culture including references to *seed* **germination,** 1969-1974. 038448
Head fungi [Curyvularia lunata] of sorghum, phytotoxins andtheir effects on *seed* **germination.** 038690
Post maturity changes and keeping quality of *seedless* **grapefruit** 'Pink Marsh' in relation to the age of harvest. 033345
Metabolism of limonoids: Limonin D-ring lactone hydrolase activity in Pseudomonas [compared to that of **grapefruit** *seeds* causing bitterness of juices]. 033414
Grow *yellow-seeded* linseed [Culture]. 038554
Long-term storage of *seeds* of **Haloxylon** aphyllum. 035663
The integrated utilization of technical means for the transportation of the sunflower *[seed]* **harvest.** 031399
Seed **harvest** [Field crops]. 038066
On the problem of **hemp** *seed* storage. 033302
The sowing rates of **hemp** *seeds.* 038076
On some problems of onion **hybrid** *seed* production [Male-sterile lines]. 036534
Use of male-sterile 1 gene to eliminate detasseling in production of **hybrid** *seed* of bicolor sweet corn. 036572
Seed **identification.** 035929
An **improved** *seed* programme for maintaining disease-free seed of field beans (Phaseolus vulgaris) [Xanthomonas phaseoli, Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. 038872
Changes in protein amino acid composition in the *seeds* of an **induced** spring vetch mutant. 036461
Protein and amino acid changes in peanut (Arachis hypogaea L.) *seeds* **infected** with Aspergillus oryzae. 032341
Perpetuation of Pyricularia oryzae Cav. Through **infected** *seeds* in Vidarbha region [Rice]. 038702
Detection and location of *seed-borne* **inoculum** of Ascochyta rabiei and its transmission in chickpea (Cicer arietinum). 038788
Mutability of the garden pea and tomato with chronic gamma-irradiation of the plants and the acute **irradiation** of the *seeds.* 036681
Study of chimerism in the reproductive tissue of Arabidopsis thaliana plants following **irradiation** of *seeds.* 036690
Effect of *seed* **irradiation** (60Co) [cobalt isotope] on the development of coloring substances and total surface of tomato leaves. 037618
Dynamics of the formation of tannin-like substances in the skin, *seeds* and **juice** of the berries of some wine grape varieties. 037720
The sowing of *seed* **kenaf** with broad interrow spacings. 038075
The relative advantage of sowing **large** *seeds* of cucumbers. 038348
Secondary dormancy in light-sensitive **lettuce** *seeds* incubated anaerobically or at elevated temperature. 037674
The most appropriate moisture content of [vegetable, grass, legume and flower] *seeds* for their long **life** span [Viability]. 037848
Vitamin biosynthesis by germinating [wheat] *seeds* at **low** temperature and in overmoistened soil. 037538
A method of culturing Rhizobium meliloti on porous granulesto form a pre-inoculant for **lucerne** *seed.* 040665
The effect of GA3 [gibberellic acid] on the germination of ageing **lupin** *seeds.* 037562
Influence of toxic products of Fusarium graminearum and Fusarium moniliforme on **maize** *seed* germination and embryo growth. 038791
Yellow-seeded rape and turnip rape. II. Breeding for improved quality of oil and meal in *yellow-seeded* **materials.** 036701
Seed **moisture** and storage [Effects on seed quality]. 032911
Detection of seed-borne fungi in sorghum and location of Fusarium **moniliforme** in the *seed.* 038789
Identifying Kentucky bluegrass (Poa pratensis) cultivars by *seed* **morphological** characters. 038151
Composition of Ocimum gratissimum (shrubby basil) *seed* **mucilage.** 037749
Development of glycolytic and mitochondrial activities in the early phase of germination of Phaseolus **mungo** *seeds* [Mungo beans]. 037478
Further studies on glucose catabolism in the early phases of germination of Phaseolus **mungo** *seeds* [Mungo beans]. 037479
Economic incentive in the production of **mustard** *seeds.* 031510
Fruit, *seed,* and **myrmecochorous** dispersal in Micrantheum (Euphorbiaceae). 036334
Continued decline of **oil** *seed* prices on the international market. 031733
Endogenous toxic factors in **oil** *seed* residues. 033520
Lesser known **oil** *seeds:* a note on their nutritive value as determined by in vitro digestion [Concentrated protein feeds]. 033524
Seed **oils** of Malcolmia turkestanica and Euclidium syriacum. 032772
Invigoration of *seeds?* **[Onions,** germination]. 037844
Seed **orchards** of forest wood species (review) [Seed production]. 035685
Current notes on the cultivation of **pasture** *seed.* 038163
Time for **pasture** *seed* harvest. 038168
Laboratory technique for bleaching **pea** *seeds* [Identifying bleach-resistant selections]. 036434
The mutagenic influence of drying on **pea** *seeds.* 036693
A study of the ribosomal proteins and subunits of **pea** *seeds* by the method of electrophoresis in polyacrylamine gel. 037648
Determination of the trypsin inhibitor in **[pea]** *seeds.* 037821
On dependence of fruit weight upon the number of *seeds* in **pear** trees. 036366
Interaction of lime and *seed* **pelleting** on the nodulation and growth of white clover. II. Oversown trials. 037484
Stimulation of **pepper** *seed* germination by sodium hypochlorite treatment. 038365
Heritability estimates of **percentage** *seed* protein and available methionine and correlations with yield in dry [kidney] beans. 036430
Preserving the planting qualities of **pine** *seeds* relative to duration of tapping [Silviculture]. 035670
Germination studies and optimum testing method for Pittosporum tobira (Japanese **pittosporum)** *seed.* 037795
Producing **plant** *seed* potatoes in the Netherlands. 038402
The role of [various] factors in the fractionation of proteins in *seeds* of **plants.** 2. The time of extraction of protein fractions from seeds of plants [Wheat, rye, buckwheat]. 037344
New aspects concerning the cultivation of perennial gramineous **plants** for *seed.* 038145
Quackgrass [Agropyron repens] and its control in oil **plantsand** *seed* fields. 039181
Effects of mechanical scarification, *seed* **position** and gibberellic acid on germination in Cherimoya (Annona cherimolia Mill). 037835
Seed **potato** sprouting [Glasshouses]. 038224
Commercial production of VTSC [virus tested stem cutting] *seed* **potatoes].** 038877
Investigation of Strychnos spp. III. Study of triterpenes and sterols of Strychnos **potatorum** *seeds.* 037193
Seed selection for **potential** viability [Kidney beans, peanuts, cotton]. 037780
Phenol reaction of Kentucky bluegrass (Poa **pratensis)** *seeds.* 037559
Evaluation of annual grass forages in **prepared** *seedbeds* and overseeded into perennial sods. 038049
Crambe [abyssinica] *seed* **processing:** removal of glycosinolates by water extraction [Crambe meal preparation]. 033551
The SS-0,5 scarifier [Herbacious legumes, *seed* **processing** equipment]. 040492
Seed orchards of forest wood species (review) *[Seed* **production].** 035685
The effect of ethephon on onion seedstalk height and *seed* **production** characteristics. 037737
Several problems of increasing the beet production in Romania *[Seed* **production].** 038119
Seed **production** from Egyptian onion sets. 038232
Investigations into the physiological, comulative and post-effect of pesticides in the *seed* **production** of peas. 039521
The fruits and *seed* **productivity** in Xanthorrhoea. 037238
Aneuploidy in the *seed* **progeny** of tetraploid rye. 036665
On the nature of male sterility occurring in the *seed* **progeny** of scions in sugarbeet. 036685
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the *seed* **protein** fractions of the studied lupin species and varieties. 037437
A sowing trial with Scots pine [Pinus sylvestris] *seed* of different **provenances.** 035632
A new formylated chalkone, 5'-formyl-2',4-dihydroxy-4'-methoxychalkone, from the *seeds* of **Psoralea** corylifolia. 036983
Characteristics of **pumpkin** *seed* oil. 033420
Seed moisture and storage [Effects on *seed* **quality].** 032911
Effect of degree of sprouting in winter wheat and rye on *seed* **quality** and harvest yields. 037557
Greater demands for *seed* **quality** on the transition to industrial vegetable production. 038306
Atoms contributing to bigger harvest [Radioactive **radiationof** *seeds].* 037993
Modification of the injurious effect in the gamma irradiation of *seeds* of **radiosensitive** and radioresistant crops. 036630
Fatty acid composition of **rape** *seeds* from Upper Austria. 033301
Yellow-seeded **rape** and turnip rape. II. Breeding for improved quality of oil and meal in yellow-seeded materials. 036701
Rapid *seed* multiplication of new varieties of cereals. 038116
Influence of *seed* **rate** and sowing method on some quantititative characters in mash [Grain]. 038230
Seeds for **reforestation:** a strategy for sustained supply of indigenous species. 035675
Machinery and technologies applied in flax seed conditioning in order to eliminate Lolium **remotum** *seeds.* 040520
Production of genetic heterogeneity and some aspects of heterosis breeding in cross-pollinating and self-pollinating plants. III. *Seed* **reproduction** methods and genetic balance. 036688
Sowing of jack pine [Pinus banksiana] *seeds:* **results** of five year period. 035646
Localization of gamma globulin in **rice** *seed* and changes in gamma globulin content during seed development and germination. 037338
Dehydrogenases of **rice** *seeds* with varying germination rate. 037536
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. III. Changes in the properties of antigenic proteins in the course of *seed* **ripening,** germination and development of seedling. 037439
Rubber *seed* meal as a potential feed ingredient for poultry. 034387
Cytogenetic investigation of mutation process in the population and pure lines of **rye** *seeds* (Secale cereale L.) under storage. 036511
A note on temperature sensitivity for germination of Pterocarpus **santalinus** *seed.* 037935
Influence of chlorocholine chloride (CCC) on the growth, development and productivity of oats in the **second** *seed* generation; report. 037503
Seed and **seedling** diseases of crops, their cause and control. 038615
The fruits, *seeds* and **seedlings** of Malayan trees. I-XI. 036060
Correlation between the weight of *seeds* and of **seedlings** in the field. 037248
Influence of substrate moisture level on the germination of *seed* of **selected** Pinus species. 037936
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and *seed* **set** on male-sterile wheat. 036380
The effects on seedling growth of **simulated** *seed* damage in French beans. 037847
Influence of lint percentage, boll size, and *seed* **size** on lint yield of Upland cotton with high fiber strength [Breeding, selection]. 036433
Seed **source** effects on sugar maple [Acer saccharum, culture]. 038253
Qantitative content of total polar lipids in **soybean** *seeds.* 033257
[Mechanical damage] to **soybean** *seeds* [at harvesting]. 038209
Oklahoma searches for drought-resistant **[soybeans]** *seed.* 038157
Various *seed* **spacings** in beets drilled to a stand. 037593
Hydrocarbons from *seeds* [of some **species** of Angiospermae]. 037166
Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the soil-covering ability of the *seeded* **species** and some weeds. 037973
Effect of DNA synthesis inhibitor 5-aminouracil on the mitotic cycle of **sprouting** *seeds* of Crepis capillaris L. 036369
Loose smut [Ustilago nuda] of barley: the embryo test as a means of assessing loose smut infection in *seed* **stocks.** 038792
Cytogenetic effect of N-nitroso-N-methyl urea on cells of Crepis capillaris L. *seeds* **stored** for a long time after treatment. 036954
The growth inhibitors in **sugarbeet** *seed* balls. II. Isolation of potassium nitrate as the germination inhibitor and hypocotyl stimulating substance. 037545
On the chemical composition of monogerm **sugarbeet** *seeds.* 037606
Sugarbeet *seed* production in Egypt. 038152
The beginning of White Satin sugar—the **sugarbeet** *seed.* 038159
Some observations on assessing Phoma betae [blackleg] infection of **sugarbeet** *seed.* 038567
Incorporation of **sunflower** *seed* meal in bread [to improve nutritional quality]. 032369
Use of **sunflower** *seed* in food products. 033217
The ways of increasing the production of **sunflower** *[seeds].* 038204
[Mechanical damage] to **sunflower** *seeds* [at harvesting]. 038208
Adaptation of [grain cleaning unit] ZAV-20 for **sunflower** *seeds.* 040545

New system for handling and **supplying** *seed* potatoes [Transportation]. 031551
Inhibitary effect of Cladonia impexa Harm., Cladonia gracilis (L.) Willd and Cornicularia muricata (Ach.) Ach. On Pinus **sylvestris** *seeds* germination. 037931
Effect of pruning severity on the growth and fruit production of **'Thompson** *Seedless'* grapevines. 038245
Long-term responses of **'Thompson** *Seedless'* [grape] vines to potassium fertilizer treatment. 040880
Response of **'Thompson** *Seedless'* grapevines to the timing of preharvest irrigation cut-off. 041230
Constructing a timber propagator [Cacti and succulents, *seed* **trays**]. 040470
Physiological and genetic effects of *seed* **treatment** with tetramethylthiuram disulfide (TMTD) [Wheat, germination, chromosome]. 036465
The effect of phytohormones and inhibitors on the growth of pea and wheat dwarfs during presowing **treatment** of *seeds*. 037399
Timing of [winter rye] *seeds* **treatment** [with fungicide granozan]. 038849
Forest **tree** *seed* orchards in Sweden, 1975 [Pinus, Picea]. 035634
Effect of fermentation on the sapogenine yield from *seeds* of **Trigonella** foenum graecum L. 037213
A note on supplies of *seed* of **tropical** pines [Pinus]. 035653
New work of the *Seed* **Union** and the results. 032912
Management of Serala sericea (Lespedeza cuneata) for forage and *seed* **[Varieties]**. 037991
Count and species composition of microorganisms on stored **vegetable** *seeds* [Tomatoes, melons, celery, onions, bacteria, molds]. 038859
On the phenolic acids of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of fruit and *seed* **vegetables**. 033488
Esterase of **vetch** *seeds* hydrolyzing carbobenzoxy-alanine p-nitrophenyl ester. 037702
X-ray contrast method for *seed* **viability** determination of cereals and millets. 037565
Weed *seeds* in dockage in Manitoba. 039106
Emergence and organ elongation of seedling of paddy rice sown under upland field condition as affected by specific gravity and **weight** of *seed*. 037542
The influence of humic acids on phytase activity isolated from **wheat** *seeds*. 037371
Effect of electro-spark threshing on the sowing qualities of **wheat** *seed*. 038178
Could the *seeds* [of **winter** wheat] treated with [the growth inhibitor] Tur be stored for a long time? 038191
Seed **yield** and reproduction of perennials in Artemisia phytocoenoses in the Pamir. 036843
Effect of spacing and phosphate fertiliser on forage and *seed* **yield** of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883
The effect of macronutrients and their dates of application on the cut flower and *seed* **yield** with summer asters [Callistephus chinensis]. 040941

SEGMENTS

The basal **abdominal** *segments* of the Neuropteroidea (Insecta, Holometabola). A comparative study of skeleton and musculature. 039952
The effect of the vitamins A and E on the amino acids composition of proteins in different *segments* of the **brain** in old animals [Rats]. 032500
Interactions between IAA [indoleacetic acid], potassium, and malate accumulation, and growth in Avena [oats] **coleoptile** *segments*. 037612
Kinetics of auxin transport in light and in dark grown Zea mays L. **coleoptile** *segments*. 037613
Catecholamine sensitive adenylate cyclase activity in different *segments* of the **rabbit** nephron. 034123

SEGREGATION

High frequency of one element of *segregation* **distorter** in natural populations of Drosophila melanogaster. 039731
Nonnuclear mutations in sunflowers. III. Unusual **somatic** *segregation* of plants with variegated leaves. 036684

SEISMIC

Field [soil] testing to evaluate stone column performance in a *seismic* **area** [Sewage treatment plant]. 040355
Seismic **stability** of earth dams and embankments. 040358

SELAGINELLA

Some informations given by the study of the anatomy of *Selaginella* **myosurus** (Sw.) Alston [Phylogeny]. 036275

SELENITE

A comparison of strontium selenite broth and *mannitol-selenite-cystine* **broth** in the isolation of salmonellae from egg products. 031962
Effect of nitrogen on the uptake of *selenite-selenium* by **excised** barley roots. 040865
A comparison of **strontium** *selenite* broth and mannitol-selenite-cystine broth in the isolation of salmonellae from egg products. 031962

SELENIUM

Effect of supplemental selenium on performance and deposit of *selenium* in **blood** and hair of finishing beef cattle. 034408
Selenium **content** of soybean foods. 032342
New links in the *selenium* **cycle** [Livestock feed]. 034256
Vitamin E and *selenium* **deficiencies** (VESD) of domestic animals. 035295
Effect of nitrogen on the uptake of *selenite-selenium* by **excised** barley roots. 040865
Comparative metabolism of radionuclides in mammals. IX. Retention of 75Se *[selenium* **isotopes**] in the mouse, rat, monkey and dog. 033909
Selenium **levels** in fodders and its relationship with Degnala disease [Cattle, buffaloes, toxicity]. 035417
The protective effect of vitamin E and *selenium* against **methyl** mercury toxicity in the Japanese quail. 034457
Dietary vitamin E and *selenium* **requirements** for optimum metabolic function at the subcellular level. 032269
Effect of *selenium* on the 35S **[sulfur** isotope]-cysteine metabolism in lambs. 033881
Effect of **supplemental** *selenium* on performance and deposit of selenium in blood and hair of finishing beef cattle. 034408
Selenium for **swine** [Feeding]. 034432
Influence of dietary levels of vitamin E and *selenium* of **tissue** and blood parameters in pigs. 034353
Biochemical roles of *selenium* and **vitamin** E in prevention of exudative diathesis in chicks. 035323
Selenium and **white** muscle disease in lambs: effects of vitamin E and ethoxyquin. 035369

SELENOMONAS

Relationship of lactate dehydrogenase specificity and growth rate to lactate metabolism by *Selenomonas* **ruminantium** [Rumen bacteria]. 033754

SELENOPHOMA

The reaction of spring barley varieties to *Selenophoma* **donacis** [the cause of halo spot disease]. 038822

SEMEN

Fertility of liquid **boar** *semen* as influenced by breed and season. 034661
Correlation of vitamin A and zinc concentration of seminal plasma to fertility of **bovine** *semen*. 034454
The difference in absorption of **bull** *seminal* ribonuclease by organ tissues of juvenile and adult mice. 033906
The activity of pyridine nucleosidase in **bull** *semen* and its relationship to fertility. 034761
Existence of a follicle-stimulating hormone inhibiting factor 'inhibin' in **bull** *seminal* plasma. 034763
Estimation of contamination of deep-frozen **bull** *semen*. 034855
Quarantine [storage period] for **cattle** *semen* reduced. 034563
Studies on *semen* **characteristics** of Tharparkar and Jersey bulls. 034651
Effect of glycerol solvent on the activity of deep-frozen bull *[semen]* **ejaculates**. 034854
Studies on whole *semen* and **epididymal** contents in a bull with low post-thawing sperm motility. 034767
Storage of **fowl** *semen* under reduced pressure. 034707
Correlation of vitamin A and zinc concentration of *seminal* **plasma** to fertility of bovine semen. 034454
Immunoelectrophoretic analysis (IEA) of *seminal* **plasma** and fluids from seminal vesicles and ampullae of vasa deferentia of bulls. 034588
The distribution of calcium in bovine spermatozoa and *seminal* **plasma** in relation to cold shock. 034696
Studies on artificial insemination of rabbits with special reference to thinning and **preservation** of *semen*. 034579
Semen **quality** in relation to the nutrition of bulls—a review. 034381
Analyses of prostaglandins in **sheep** *seminal* fluid. 034605
Effect of water crystallization on spermatozoids during freezing of **[stallion]** *semen*. 034808
Fasciola hepatica: the ultrastructure of the epithelium of the *seminal* **vesicle**, the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. 035179
Immunoelectrophoretic analysis (IEA) of seminal plasma and fluids from *seminal* **vesicles** and ampullae of vasa deferentia of bulls. 034588

SEMIARID *see* ARID

SEMIAUTOMATIC *see* AUTOMATIC

SEMOLINAS

Production of high-protein quality pasta products using a *semolina-corn-soy* **flour** mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Millet (Pennisetum typhoides) milling techniques and value of the *semolinas* and **flours**. 033146

SENECIO

A method for culturing root aphids [Eriosoma patchae, Eriosoma ulmi, *Senecio,* **currants** and gooseberries]. 039699
Determination of the relative rates of incorporation of arginine and ornithine into retronecine during pyrrolizidine alkaloid biosynthesis [in *Senecio* by **double-isotope** technique]. 037161
A comparison of Senecio kirkii (New Zealand) and *Senecio* **insularis** (Lord Howe Island) with Senecios endemic to the Island of St Helena. 036063
Differences in vegetative characteristics among four populatons of *Senecio* **vulgaris** L. possibly due to interspecific hybridization. 036388

SENESCENCE

Changes in taste with age - **infancy** to *senescence*. 032241
Physiological studies in *senescent* **leaves** of sugarcane var. Co. 740. 037454
Peroxidase activity in Golden Delicious apples as a possible parameter of ripening and *senescence* [in **storage**]. 033415

SENSES

The dollars and no *sense* of **crop** losses from weeds. 039153
Remote *sensing* of Iowa's agricultural resources by using the ERTS [Earth Resources Technology Satellite]-1 satellite. 031088
The significance of **remote** *sensing* techniques for agricultural, forestry, and rangeland management. 031120
Application of **remote** *sensing* to crop identification and water use. 041298
Remote *sensing* instrumentation and methods used for identifying center pivot sprinkler irrigation systems and estimating crop water use. 041320
Remote *sensing* instrumentation and methods [Control of water pollution]. 041583
Trials and tribulations in operating an automatic **stream-quality** *sensing* network [Water, computers]. 041334

SENSITIVITY

Genetic analysis of a population of Tribolium [castaneum]. V. Viability of the unsaturated fatty **acid** *sensitive* mutant. 039654
Enzymatic basis for DDE-induced eggshell thinning in a *sensitive* **bird.** 039582
Catecholamine *sensitive* adenylate cyclase activity in different segments of the rabbit nephron. 034123
Yielding and plastic flow of *sensitive* **cemented** clay. 040593
Induction, selection, and experimental uses of *temperature-sensitive* and other **conditional** mutants of yeast [Saccharomyces cerevisiae]. 036585
Two mutations which **confer** *temperature-sensitive* radiation sensitivity in the yeast Saccharomyces cerevisiae. 037127
Plant community age as a measure of *sensitivity* of **ecosystems** to disturbance. 036227
Secondary dormancy in *light-sensitive* **lettuce** seeds incubated anaerobically or at elevated temperature. 037674
Genetic control of *sensitivity* to **mutagenic** factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs [ultraviolet sensitive] mutants. 036673
Genetic control of *sensitivity* to **mutagenic** factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV [ultraviolet]-irradiated conidia in buffer. 036674
Comparison of RNA polymerase associated with Newcastle disease virus and a *temperature-sensitive* **mutant** of Newcastle disease virus isolated from persistently infected L cells. 035130
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with *temperature-sensitive* **mutants**. 035110
Genetic analysis of *light-sensitive* **mutants** of Chlaydomonasreinhardi [Algae]. 036541
Effect of caffeine on recovery from DEB [diepoxybutane]-induced cell inactiation in UV *[ultraviolet]-sensitive* **mutants** of Saccharomyces cerevisiae. 036597
Cold-sensitive **mutants** of Drosophila melanogaster defectivein ribosome assembly. 039747
The mode of activation by potassium of potassium-dependent and *quabain-sensitive* **phosphatase** activity. 033768
Trypsin-sensitive **photosynthetic** activities in chloroplast membranes from Chlamydomonas reinhardi, y-l [Algae]. 037021
Sensitivity to **physiological** hunger cues: are the obese really different? 032416
What is a *stress-sensitive* **pig?** 033905
Recovery process of the *sensitive* **plant** [Mimosa pudica]. 037133
Biochemical and genetical basis for the temperature sensitivity of photosynthesis and growth in *chilling-sensitive* **plants**. 036968
Polarisation *sensitivity* in insect eyes with fused rhabdoms. 039793
The **polarization** *sensitivity-dichroic* absorption paradox in arthropod photoreceptors. 039796
Fluorescence measurements and pH [hydrogen-ion concentration] *sensitivity* as **predictors** of color removal in process [Sugarcane sugar]. 033172
Temperature-sensitive **prune** (pn) mutations of Drosophila melanogaster. 039884
Postnatal development of **pyrogenic** *sensitivity* in guinea pigs. 034019
Two mutations which confer temperature-sensitive **radiation** *sensitivity* in the yeast Saccharomyces cerevisiae. 037127
Abscisic acid content and **stomatal** *sensitivity* to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. 037200

Temperature *sensitivity* studies on selected strains of Mycoplasma gallisepticum [Infected chicken flocks]. 035036
Biochemical and genetical basis for the **temperature** *sensitivity* of photosynthesis and growth in chilling-sensitive plants. 036968
A note on **temperature** *sensitivity* for germination of Pterocarpus santalinus seed. 037935
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs **[ultraviolet** *sensitive]* mutants. 036673
Phenotypes (killer, neutral, *sensitive)* of **yeasts** of the genus Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. 036062
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV *[ultraviolet]-sensitive* **yeasts** under different postirradiation conditions. 036664

SENSITIZATION
Sensitizing **activity** of plant radiotoxins [Allergic reaction in mice and guinea pigs]. 035437
Sensitizing the **general** public to the water problem. 041240
Adherence reaction between Cystocaulus ocreatus L. *Sensitized* in **immune** sera from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. 034980

SENSORY
Bacteriological and *sensory* **investigations** on milk quality with different packaging systems. 032118
The benefits of a systems approach to remote **water** *sensor* data acquisition. 041329

SEPARATION
Separation of **cell** types in synchronized cultures of Volvoxcarteri [Algae]. 036306
Separation and **characterization** of the troponin components from bovine cardiac muscle. 034043
Separation and **characterization** of acid proteinases from the surface culture Aspergillus terricola [Fungi]. 037229
Recommendations for the time of *separation* of **dairy** cows in industrial open stall units. 033671
Separation and **gravity** thickening in secondary sedimentation tanks [Sludge]. 041642
Separating the **liquid** and solid excreta in animal waste disposal. 041483
A method of *separating* and **monitoring** honeybee [Apis mellifera] flight activity at the hive entrance. 040241
Separation and some **properties** of the inner and outer membranes of yeast mitochondria [Saccharomyces carlsbergensis, Saccharomyces cerevisiae]. 037109
Guinea pig liver L-asperaginase. *Separation,* **purification,** and intracellular localisation of two distinct enzymatic activities. 033798
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. *Separation* and **relative** importance of the genetic effects for the fiber yield and length. 036418
A method for *separation* of **slow-growing** strains of nocule bacteria [Rhizobium lupini] from their mucus. 040568
Separation of **water-soluble** and water-insoluble saponins from rhizones of Dioscorea deltoidea. 036774
The use of fluorescent DNA-binding agent for detecting and *separating* **yeast** [Saccharomyces cerevisiae] mitochondrial DNA. 037112

SEPTIC
Phosphorus distribution from *septic* **tank** effluent in coastal plain soils. 040676
Design guidelines for *septic* **tank** sludge treatment and disposal. 041632

SEPTICEMIA
Effectiveness of antibiotics for **experimental** *septicemia* of chicks caused by Escherichia coli. 035240

SEPTORIA
Utilization of explants for evaluating susceptibility of oat cultivars to *Septoria* **avenae** f. sp. avenae. 038777
A new species of *Septoria* **[lupulina]** on hops (Humulus spp.) in Kashmir. 038601
Effects of leaf infections by *Septoria* **nodorum** Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in spring wheat. 038570
Contribution to the genetics of tolerance towards *Septoria* **nodorum** Berk. in wheat (Triticum aestivum). 038847
A quantitative method for estimating density of *Septoria* **tritici** pycnidia on wheat leaves [Leaf blotch]. 038761

SEPTUM
Septal **pores** in Prototaxites, an enigmatic Devonian plant. 036356

SEQUENCES
Primary structure of cytoplasmic aspartate aminotransferase from porcine myocardium. Amino **acid** *sequence* of peptides from cyanogen bromide hydrolysate. 033783
The amino **acid** *sequence* of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic secretory trypsin inhibitors. 033923
On the activation of bovine plasma Factor XIII: Amino **acid** *sequence* of the peptide released by thrombin and the terminal residues of the subunit polypeptides. 034030
Honey plants in the *sequence* of their **blooming** periods, with a short statement of the methods of their propagation. 1. 038541
Influence of temperature on the detectibility and chromosomal distribution of specific **DNA** *sequences* by in situ hybridisation [Mice]. 034598
Unique virus-related **DNA** *sequences* in sheep progressive pneumonia lung. 035111
Replication of a nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the *sequence* of **events** of the virus infection. 039866
Exocytosis and the **exocytosis-vesiculation** *sequence:* with special reference to neurohypophysis, chromaffin and mast cells, calcium and calcium ionophores [Posterior pituitary hormones]. 033952
Potassium in an arid loessial soil: changes in availability as related to cropping *[sequences]* and **fertilization.** 041044
Computer simulation of firefly [Photinus, macdermotti] **flash** *sequences.* 039860
CD spectral comparison of porcine proinsulin C-peptide and several **fragments** of its *sequence.* 033919
Ribosomal cistrons in higher plant cells. II. *Sequence* **homology** between the two mature rRNAs of sycamore [Acer pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium **isotope]-dotetracontapeptide** *(sequence* 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
The influence of semiautomatic milking plants on the *sequence* of **operations** [Livestock management]. 031263
The Lockset method of *sequential* **programming** applied to milk collection. 031723
Ribonucleotide *sequence* homology among avian oncornaviruses. 035136
Quantitative analysis of the rescue of **RNA** *sequences* by mammalian type C viruses. 035134
Sequential **substrate** removal in activated sludge systems fed with naturally occurring wastewater. 041643
The use of *sequential* **test** plans for factory supervision of the quality of meat products. 2. Examples of the use of sequential three-decision plans. 032009

SEQUOIA
Redwoods *[Sequoia* **sempervirens]** to "popple" [Populus]—Aladdins in the forests. 035510
Plant portrait—coast redwood *[Sequoia* **sempervirens].** 036047

SERGENTOMYIA
Comments on the infraspecific taxonomy of Sergentomyia minuta (Rondani, 1843), Sergentomyi africana (Newstead 1912) and *Sergentomyia* **antennata** (Newstead, 1912). 039983

SERICULTURE
Detection of aflatoxin B1 in silkworm [Bombyx mori] larvae attacked by an Aspergillus flavus [Fungi] isolate from a *sericultural* **farm.** 040201

SERODIAGNOSIS
Reliability of the enzyme-linked immunosorbent assay (ELISA) for the *serodiagnosis* of **Trichinella** spiralis infections in conventionally raised pigs. 035118

SEROLOGY
Purification and *serology* of **bean** yellow mosaic virus [transmitted by Myzus amaranticolor]. 038883
The *serology* of **Bordetella** bronchiseptica isolated from pigs compared with strains from other animal species. 034955
Comparative *serological* studies in barley (Hordeum vulgare L. s l.) [Varieties]. 038014
Serological **differences** between some isolates of bean yellow mosaic virus. 038876
Serologic **evidence** of equine leptospirosis in the northeast United States. 035052
Experimental production of infectious bovine keratoconjunctivitis: comparison of *serological* and **immunological** responses using pili fractions of Moraxella bovis. 035030
Hairy shaker disease: preliminary studies on the nature of the agent, and the **induced** *serological* response [Sheep]. 035161
Serological **relationship** of taxonomically closely related domestic ruminants: cattle, buffalo, sheep & goat. 033972
Serological **survey** of infectious bursal disease [Chickens]. 035085

SEROTONIN
Selective effect of a maize diet in reducing serum and brain tryptophan contents and blood and **brain** *serotonin* levels. 032384
The effects of **indoleamines** *(serotonin* and melatonin) on induction of ovulation in rabbits. 034543

SERRADELLA
Is *serradella* **[Ornithopus]** a calcifobic plant? 037600

SERUM
Study of the enzymatic activity of human and **anaimal** *serum* cystine aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium [Sheep, cattle]. 034225
Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells **and/or** *serum* [Pekin ducklings]. 035217
Lesions by hepatitis-B [virus] **antigen-containing** *sera* in tobacco plants (Nicotiana tabaccum variety Xanthi). 038906
Free amino acids of the human **blood** *serum* with endogenous alimentation. 032487
Influence of qualitatively differing fats on the cholesterol level ina the liver and **blood** *serum* in cases of choline-proteinic deficiency. 032490
Investigation of sheep **blood** *serum* haptoglobin. 033825
Preliminary studies on polymorphism of hemopexins in **blood** *serum* of Large White Polish pigs. 033908
Lipase activity in calf **blood** *serum* with different types of feeding. 034222
Study of esterified fatty acids in the **blood** *serum* and total content of fatty acids in the feces of calves reared on different types of feeding. 034224
Comparison of free amino acids in **blood** *serum* of men and animals. 1. Man, rat, mouse, cock [chickens]. 034239
Effect of varying fat and protein levels upon some fundamental characteristics of the lipid and protein metabolism in the **blood** *serum* and upon the body composition of growing rats. 034307
Dynamics of some N [nitrogen] metabolites in the **blood** *serum* of lambs in combined feeding conditions. 034510
Behaviour of lactate-dehydrogenase isoenzyme in **blood** *serum* of sows during parturition. 034746
Complement-binding activity of immunoglobulins of *sera* of **blood** and ewe colostrum infected with sheep abortion virus. 035202
Inactivation by detergents to the proline transport system in membrane vesicles from Escherichia coli and its reactivation by **bovine** *serum* albumin. 033799
Isolation and physico-chemical characterization of **bovine** *serum* and colostral immunoglobulin G (IgG) subclasses. 033924
Isolation and characterization of two alkaline ribonucleases from **calf** *serum.* 033802
Behaviour of **certain** *serum* enzymes in sows in perinatal periods. 034744
Behaviour of **certain** *serum* enzymes in sows during birth. 034745
The plaque reduction test in the study of antibodies against the viral arthritis reovirus **[Chicken** *sera].* 035048
A **complete** *serum* iron profile in pregnancy: study of the maternal and cord blood. 032256
Factors affecting *serum* **creatine** phosphokinase activity in pigs [Genetic marker for malignant hyperthermia syndrome]. 035348
The prevalence of antibodies to bovine virus diarrhoea and infectious bovine rhinotracheitis viruses in **diagnostic** *sera* from New Zealand cattle. 035163
Use of adjuvants for the mass production of **diagnostic** *sera* for some potato viruses. 038942
Bactericidal and haemolytic activity of complement in bovine colostrum and *serum:* **effect** of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). 034986
Polymorphism in **fowl** *serum* albumin. V. Protein in synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). 033872
The effect of sympathetic nerve stimulation on *serum* **gastrin,** gastric acid secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078
On the effect of *serum* **gonadotropin** and estrogen on the hormonal activity of the thyroid and suprarenal glands of cows. 034238
Stimulation of lactic acid production in chick embryo fibroblasts by *serum* and **high** pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Correction: mouse spleen cells cultured in **homologous** *serum* can indeed make primary antibodies to sheep erythrocytes. 034175
Production of highly active **hyperimmune** *serums* for control of foot-and-mouth disease virus. 035251
Erythropoietin in the urine of horses donors of **immune** *sera.* 034961
Adherence reaction between Cystocaulus ocreatus L. Sensitized in **immune** *sera* from naturally infected sheep, and peritoneal macrophages from normal guinea pigs. 034980
Babesia rodhaini: a study of the effects of **immune** *serum* [Mice]. 035090
The role of immune pig colostrum, *serum* and **immunoglobulins** IgG, IgM, and IgA in local intestinal immunity against enterotoxic strain of Escherichia coli O55 in germfree piglets. 035064
Effects of the ingestion of vitamin E with vitamin A on *serum* **levels** and urinary creatine/-creatinine in children with cystic fibrosis. 032274
Dietary regulation of *serum* **lipids** in healthy, young adults. 032349
Effect of folic acid on *serum* and **liver** cholesterol in rats fed casein at two levels. 032337
Ovulation rate in ewes treated with pregnant **mares'** *serum* gonadotrophin and luteinizing hormone releasing factor. 034657
Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on urine and *serum* **mineral** levels in wethers [Sheep]. 035351
Three new allotypes of **mink** *serum* alpha-lipoproteins Lpm 6, Lpm 7, Lpm 8 [Genes]. 034632
Selective effect of a maize diet in **reducing** *serum* and brain tryptophan contents and blood and brain serotonin levels. 032384
Wool growth rate in relation to plasma catecholamine and *serum* **total** thyroxine concentrations in growing lambs. 033717
Total *serum* thyroxine concentration during ontogenic development of sheep. 033725
Relationship of *serum* **transferrin** type to meat productivity of Japanese Black cattle. 034090

Interrelationships between *serum* **vitamins** A and E and lipid fractions in women receiving oral contraceptives. 032290

SESAME

Sesame **cultivation** in Rajasthan. 038008
Incidence of pathogenic fungi on **leaves** *[Sesame].* 038692
23,500 tons of *sesame* in 1975 **[Productive** capacity, Colombia]. 031915
Plant parasitic nematode genera associated with *sesame* **(Sesamum** indicum L.) in Venezuela. 039044
Leaf conductance and leaf water status of *sesame* **strains** in hot, dry climates. 037392
Seed-borne fungi of *sesame* in **Uganda.** 038794

SESELI

Peculiarities in the deveopment of *Seseli* **degenii** Urum. And Seseli tortuosum L. 036931
Structure of the coumarin sechulin *[Seseli* **seseliflorum,** Seseli tschuense]. 036900
Peculiarities of the anatomical structure of the leaf petiole in the species of *Seseli* L. and their **taxonomic** significance. 035980
Peculiarities in the deveopment of Seseli degenii Urum. And *Seseli* **tortuosum** L. 036931
Structure of the coumarin sechulin [Seseli seseliflorum, *Seseli* **tschuense].** 036900

SESQUIOXIDE

On the **free** *sesquioxides* in representative forest soils. 040572

SESQUITERPENES

A first **allergenic** *sesquiterpene* lactone from Chrysanthemumindicum L.: arteglasin-A. 037792
Perforene, a new **halogenated** *sesquiterpene* from the red algaLaurencia perforata. 037296
Sesquiterpene **hydrocarbon** farnesene and its relation to the apple surface browning, scald [during storage]. 033440
Sesquiterpene **lactones** of Inula helenium. 036898
Sesquiterpene **lactones** of sagebrush [Artemisia cana]: The structure of artecanin. 037175
Analytical study of the distribution of *sesquiterpene* **lactones** of different Ambrosia species [Taxonomy]. 037799
New *sesquiterpene* lactone and aldehyde of Frullania tamarisci subsp. obscura (Hepaticae). 037294
Structure of zerumbone oxide, a **new** *sesquiterpene* epoxy ketone from Zingiber zerumbet Smith (wild ginger oil). 037750

SET

Vegetative-floral balance in coffee. III. Effect of thinning of blossom on *set* and **bean** size. 038548
Pollination and the timing of *fruit-set* in **cucumbers.** 037736
Standard of **excellence** *set* by early [Alabama Agricultural Experiment] Station directors [History]. 031046
Pressure wave transmission through surge tanks. An **experimental** *set-up* to study the influence of valve closure time [Reservoir, water hammer]. 041316
The establishment of standards for a *set* **extract** is an important way of controlling the quality of fruit wines. 033478
A study on the number of ovules per **fruit** *set* in tomato (Lycopersicon esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. 036472
General and specific combining abilities for percent of **fruit** *set* in a tomato (Lycopersicon esculentum Mill.) diallel cross. 036473
Flowering and **fruit** *set* of [kidney] bean (Phaseolus vulgaris L.) as influenced by ammonium sulphate and calcium superphosphate. 037690
Effects of SADH [Alar] fall sprays on the **fruit** *set* and yield of pear. 037837
Defoliation [with urea] and **fruit** *set* in guava. 038361
Controlling apple diseases without damaging **fruit** *set.* 038994
Levels of water-soluble carbohydrate in the pre-anthesis ear of wheat, and **grain** *set* per spikelet. 037485
George **Harrar** *sets* off the Green Revolution [Rural development programs, Mexico]. 031930
Effect of uncontrolled conditions on the preservation of *sets* of some **onion** varieties [Growth, bolting]. 037721
Seed production from Egyptian **onion** *sets.* 038232
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and **seed** *set* on male-sterile wheat. 036380
A comparison between rotational [creep] grazing and *set* **stocking** with ewes and lambs at three stocking rates. 034271
Testing *sets* to be used in technical identification [Equipment]. 040436
Ways of improving the *set* of **varieties** in vine plantations in the Ukraine. 038526

SETARIA

Registration of Butte foxtail millet *[Setaria* **italica].** 036443
Performance of *Setaria* **italica** (L.) P. Beauv. (Foxtail millet) varieties for grain production. 038082
Production of teliospores in artificial culture of Ustilagocrameri (Kornicke) *[Setaria* **italica].** 038604

SETTLEMENTS

Spread of Alemannic-Frankish [land] *settlement* and its **connection** with the spread of furlong villages [History]. 031186
Primary and secondary [land] *settlement* **forms** in the Lower Geest of the Hannover Wend area [History]. 031181
Industrialisation, agricultural specialisation, and **frontier** *settlement* in south-central Brazil, 1940-70. 031030
Butterfat production in the **Heytesbury** *settlement* [Costs, returns]. 031441
Development of the west German furlong field **[Land** *settlement,* history]. 031171
Development of the furlong field as reflecting events of cultivated areas **[Land** *settlement,* history, Lower Franconia]. 031172
Early medieval roots of the furlong field in southwest Germany **[Land** *settlement,* history]. 031173
Elongated strip field and previllage, a contribution to the **land** *settlement* geography of western Germany [History]. 031174
Elongated strip fields in old northwestern North Germany **[Land** *settlement,* history]. 031175
Field and **land** *settlement* development in old Westphalia [History]. 031176
Furlong village and detached village **[Land** *settlement,* history]. 031177
History of development of field forms in the old **land** *settlements* of South Germany. 031178
National and colonial forms of **land** *settlement* of the Slavs: a contribution to the problem of the detached farm, clustered village and radial settlement [History, USSR]. 031180
Principles and methods of furlong measurement **[Land** *settlement,* history]. 031182
Questions on Northwest-German **land** *settlement* and field research in the light of East-German research [History]. 031184
The "Eschkern" theory and the problem of Germanic—German cultivated area continuity **[Land** *settlement,* history, northwestern Germany, Netherlands]. 031187
The matter of radial **land** *settlement* in the Hannover Wend area [History]. 031188
The northern strip field **[Land** *settlement,* history]. 031189
The question of radial **land** *settlement* in western East Germany [History]. 031190
The Wendish radial village **[Land** *settlement,* history]. 031192
Anticommunity **land** *settlement:* concept and problem [Legislation, Austria]. 031234
The radial matter as a problem of the map of the form of historical [land] *settlement* of **Mecklenburg** and Pomerania. 031191
Models aiding **national** *settlement* policies in the USSR: a survey. 031806
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, clustered village and **radial** *settlement* [History, USSR]. 031180
Some demographic aspects of **reconstructing** *settlement* [Rural population]. 030993
Introduction: paths taken by historic and genetic [land] *settlement* **research.** 031179
Settlement **stalls** on butter price increase [Exports, Common Market]. 031690
Yearly *settlement* of Bankia setacea (Tryon) at five British Columbia localities since 1961 [Pests of wood]. 035834

SEWAGE

Denitrification of *sewage* by **alternating** process operation. 041631
Nitrogen and phosphorus levels in soils **beneath** *sewage* disposal ponds. 040673
A mass attack by the biting midge Culicoides nuubeculosus (Mg.) (Diptera, Ceratopogonidae) on grazing cattle in Denmark; a new aspect of *sewage* **discharge.** 039494
Physical and biological interrelationships in a complex coastal zone *[Sewage* **discharge].** 041581
Phosphorus balance in *sewage* **effluent** treated soils. 040675
Persistence of fecal coliform indicator bacteria on alfalfa irrigated with **municipal** *sewage* lagoon effluent [Health hazards to livestock]. 041353
Field experiment on the effect of **municipal** *sewage* on macrophytes and epifauna in the lake littoral [Tests with Potamogeton perfoliatus]. 041497
Neuilly-sur-Marne *sewage* works sludge treatment station. 041638
Experimental results regarding irrigation with *sewage* **obtained** from large complex swine farms. 041414
Factors affecting the performance of combined versus **separate** *sewer* systems. 041635
Liquid swine manure and *sewage* **sludge** need careful supplementation [to fill nutritional requirements of field crops]. 040947
Production and dynamics of salt marsh vegetation and the effects of experimental treatment with *sewage* **sludge.** Biomass, production and species composition. 040996
Characteristics of quality in refuse, garbage and *sewage* **sludge** composts. 041129
The combined composting of waste straw and *sewage* **sludge.** 041130
Alternatives to marine disposal of *sewage* **sludge.** 041467
Retention of metals in *sewage* **sludge.** I. Constituent heavy metals. 041608
Retention of metals in *sewage* **sludge.** II. Incorporated radioisotopes. 041609
Use of silver and zinc to **trace** *sewage* sludge dispersal in coastal waters. 041476
Field [soil] testing to evaluate stone column performance in a seismic area *[Sewage* **treatment** plant]. 040355
Nutrient budgets in the Hudson River estuary *[Sewage* **treatment,** water pollution]. 041472
Modelling influent BOD [biological oxygen demand] data for a *sewage* **treatment** plant. 041577
Maximizing denitrification during soil filration of *sewage* **water.** 040671

SEX

Secretory activity of the *sexual* **apparatus** in swine and rabbit females at the period of fertilization and early embryogenesis. 034812
The effect of salinity on *sexual* and **asexual** sporulation of members of the Saprolegniaceae [Fungi]. 037320
Sex **attractant** curbs gypsy moth [Porthetria dispar, forest trees]. 039375
Geometrical isomerization of 1,5-dienes: isomers of gossyplure, the pink bollworm [Pectinophora gossypiella] *sex* **attractants.** 039289
The effect of steroid hormones on *sexual* **behavior** in beef heifers. 034737
Sexual **behavior** maturation in male Aedes triseriatus (Diptera: Culicidae): a re-examination. 039858
Sexual **behavior** of Hemitaxonous dubitatus (Norton) (Hymenoptera: Tenthredinidae). 040044
Sexual **behaviour** in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. 034672
Suppression of the development of female hamster *[sexual]* **behaviour** by implants of testosterone and non-aromatizable androgens administered neonatally. 034673
The influence of *sex* on the **calf** on the productive traits of Hariana dams. 034653
Phenotypic description of double homozygotes for **certain** *sex* genes in maize. 036523
Determination of genetic sex by *sexual* **chromatine** in nuclei of neutrophyl leucocytes of the peripheral blood in vertebrates. 034807
Transmission and recombination of extranuclear genes during *sexual* **crosses** in Aspergillus nidulans. 036594
Sex **determination** in bees. IV. Genetic control of juvenile hormone production in Melipona quadrifasciata (Apidae). 040225
Breed, line, *sex* and **diet** effects and interactions in swine carcass traits. 034659
Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen RU2858 on *sexual* **differentiation** in the neonatal female rat. 034668
The effect of age and *sex* on **dihydrofolic** acid reductase activity in chicken liver. 034768
Sexual **dimorphism** in Cirsium arvense (L.) Scop. 036272
An integrated classification for polymorphism and *sexual* **dimorphism** in butterflies. 040111
Sexual **drive** of normal and SR flies of Drosophila nebulosa. 039734
Photobehavioral differentiation within and between the *sexes* of **Drosophila** pseudoobscura. 039664
The **embryonic** *sex* hormones in birds [Chicks, ducks]. 033757
Potassium concentration in bovine muscle as influenced by carcass location, breed, *sex,* **energy** intake, age and shrunk body weight. 033089
Red cell and total blood volumes during *sexual* **excitement** and copulation in the boar. 034542
Sex **expression** in aneuploid gametophytes of the brown alga Ectocarpus siliculosus (Dillw.) Lyngb. 036390
Influence of selection, age, *sex* and **feeding** on meat retention and fat content of ducks. 033670
Simple extraction and bioassay of the **female** *sex* pheromone of the citrus mealybug, Planococcus citri. 039315
Isolation and characterization of *sex-linked* **female-sterile** mutants in Drosophila melanogaster. 039750
Gametophyte *sex* expression in some species of Dryopteris [Pteridophyta]. 036386
Determination of **genetic** *sex* by sexual chromatine in nuclei of neutrophyl leucocytes of the peripheral blood in vertebrates. 034807
Effect of age and *sex* on **growth** rate of beef cattle fed high roughage rations. 034442
Sexing **large** aspen tortrix pupae [Choristoneura conflictana, Populus tremuloides]. 039409
Nuclear structures in the ovarioles of the moth **Laspeyresiapomonella** *sex* chromatin in trophocytes. 039931
The distributions of the combinations of the *sexes* in **mammalian** litters **[Pigs, rabbits and mice].** 034623
Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during *sexual* **maturation** in the hen (Gallus domesticus). 034669
Histological and cytological study of the tergal gland of Leucophaea maderea and its evolution during the *sexual* **maturation** of the male. 039625
Comb or wattle size of 10 weeks old cockerels as an indicator of *sexual* **maturity** in selection for egg production. 034568
Regulation of gonadotrophin secretion in rams from birth to *sexual* **maturity.** I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to *sexual* **maturity.** II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
Results of studies on the *sexual* **maturity** of female cattle from the commercial crossing of Charolais, Simmental and Hereford bulls with Black Pied cows. 034837
Influence of *sex* and **percent** Brahman [cattle] breeding on growth and carcass traits [Performance]. 034729
Sex **pheromone** of rice stem borer [Chilo suppressalis]; purification and chemical properties. 039251
On the adjustment of the *sex* **ratio** and the gregarious behaviour of animal populations. 034704
Effect of garlic bulb extract on flowering, *sex* **ratio,** and yield of squash. I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688

Effect of garlic bulb extract on flowering, *sex* **ratio,** and yield of squash. II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Effect of garlic bulb crude extract on flowering, *sex* **ratio** and yield of squash. 038291
Influence of social experience on *sexual* **readiness** of male house crickets, Acheta domestica. 039741

SHADE

Effects of **artificial** *shading* on the growth of forest trees. I. Differences in growth of Cryptomeria japonica seedlings in shade during a growing season. 037924
Mist propagation of cassava tip cuttings for nutritional studies: effects of substrate calcium concentration, **temperature** and *shading.* 038509
Effect of defoliation, *shading,* and **tipping** of shoots on flower bud development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). 038416

SHEARING

Possible relationships between *shear,* **tensile,** and adhesion properties of meat and meat structure. 033094

SHEATH

Sheath **rot** [Acrocylindrium oryzae] of rice [India]. 038779

SHEDS

Several systems of tethering and untethering cattle and their expedient use in *cattle-sheds* [**Housing** system]. 040387
Microclimate examinations in various **type** *laying-sheds.* 033595

SHEEP

Complement-binding activity of immunoglobulins of sera of blood and ewe colostrum infected with *sheep* **abortion** virus. 035202
The oestrous cycle of the *ewe* after **active** immunization against prostaglandin F-2alpha. 034700
Blood ketone body content of *ewes* **administered** propionic acid with concentrated forage for a long time. I. 034532
54Mn [manganese isotope] uptake by the ovaries and reproductive tract of cycling and **anestrous** *ewes.* 033853
Pregnancy-specific antigens in the *sheep:* **application** to the diagnosis of pregnancy. 034688
Karyotype of the Kazakh **Arkhar-Merino** *sheep.* 034821
The changing structure and enconomic situation of the **Australian** *sheep* and beef cattle grazing industry. 031228
Differential influences of CNS [central nervous system] and superficial body temperatures on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (**AVA's**) *[Sheep].* 034125
Investigation on udder functional peculiarities in the Pleven **Blackface** *sheep* breed. 034244
Investigation of *sheep* **blood** serum haptoglobin. 033825
Connection of the adaptive reaction to the conditions of the arid zone with the type of the concentration of potassium in *sheep* **blood.** 034181
Experimental study of a rabies vaccine from *sheep* **brain** tissue inactivated with ultraviolet rays. 035282
Effects of venom from the scorpion Heterometrus fulvipes onsome enzyme systems of *sheep* **brain.** 035448
Work remuneration in *sheep* **breeding.** 034802
Livestock at the agricultural fair: *sheep* [**Breeds**]. 033603
Development of microbial flora of **"Caciotta"** *ewe's* milk cheese during ripening. 032943
The herds have returned to the hills *[Sheep,* **capital,** costs, returns]. 031422
Study of the enzymatic activity of human and anaimal serum cystine aminopeptidase dependence on the pH [hydrogen-ion concentration] of the medium *[Sheep,* **cattle**]. 034225
The use of some by-products in feed mixtures for animals [**Cattle,** *sheep].* 034375
Fermentation, utilization and palatability of broiler litter ensiled with high moisture corn grain *[Sheep,* **cattle**]. 034471
The incidence of toxoplasma antibodies among *sheep,* **cattle** and pigs slaughtered in a Belgian slaughter-house. 034993
Characteristics of the major internal protein and RNA-dependent DNA polymerase of bovine leukaemia virus [**Cattle,** *sheep].* 035108
Fasciola hepatica: the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus [Liver fluke, **cattle,** *sheep].* 035179
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to tree structure and density [Grazing, *sheep,* **cattle**]. 037975
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, **cattle,** *sheep].* 039496
Complement-binding activity of immunoglobulins of sera of blood and *ewe* **colostrum** infected with sheep abortion virus. 035202
A note on seasonal variation in normal water intake by indigenous and **crossbreed** *sheep.* 034278
Total serum thyroxine concentration during ontogenic **development** of *sheep.* 033725
Sarcocysts in *sheep:* **differences** in cyst wall structure. 035156
Sheep **diseases.** 034912
Evidence for a structural relationship between successive parrell tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, *sheep,* **dog** and rheusus monkey heart. 034069
Deep freezing of *sheep* **embryos.** 034682
Carbohydrate metabolism in *sheep* **endometrium** during early pregnancy. 033875
Exposure by phospholipase A of receptors for *sheep* **erythrocytes** on human B cells. 034111
The effect of cholesterol oleate treatment of mice on the rosette forming cell response against *sheep* **erythrocytes.** 034164
Correction: mouse spleen cells cultured in homologous serum can indeed make primary antibodies to *sheep* **erythrocytes.** 034175
Genetic control of the expression of genes for lactate dehydrogenase A in *sheep* **erythrocytes.** 034626
Correction: Mouse spleen cells cultured in homologous serumcan indeed make primary antibodies to *sheep* **erythrocytes** [Immunity]. 035199
Factors affecting the cessation of estrus activity in **ewes** *[Sheep].* 034558
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite **excretion** in *sheep.* 034410
The contractile properties of slow muscle fibres in *sheep* **extraocular** muscle. 034077
Yellow **fat** in *sheep.* 033099
Equipment for total collection of feces from lambs during suckling or **fattening** and for *ewes.* 040453
Studies on metabolism of ciliatine (2-aminoethylphosphonic acid). III. Isolation and characterization of ciliatine decomposing bacteria [Escherichia coli] from the **feces** of *sheep.* 041602
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of *sheep* **fed** sole diets of hay, silage and pasture differing in digestibility. 034400
Effect of dietary potassium level on utilization of magnesium by *sheep* **fed** different magnesium levels. 034468
Influence of the products of phospholipolysis of phosphatidylcholine on micellar solubilization of fatty acids in the presence of bile salts *[Sheep,* **feeding**]. 034345
Micellar solubilization of fatty acids in aqueous media containing bile salts and phospholipids *[Sheep,* **feeding**]. 034346
Prostaglandins and reproductive processes in **female** *sheep* and goat. 034645
Diaphragmatic activity and lung liquid flow in the unanesthetized **fetal** *sheep.* 034009
Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle **fibres** of *sheep.* 035286
Karyotype of an interspecific hybrid of the urial (Ovis vignei) with the Kazakh **Fine-Fleeced** *sheep.* 034820
Occurrence of copper poisoning in *sheep* **following** dry feeding. 035428
Effect of different types of rations on some characteristics of the ruminal and intermediary metabolism in *sheep.* 1. **Formation** of volatile fatty acids. 034305
Serological relationship of taxonomically closely related domestic ruminants: cattle, buffalo, *sheep* & **goat.** 033972
Sheep and **goats** for meat production under tropical conditions. 033678
Species differences in erythrocyte glutathione reduction rates after oxidation with t-butyl hydroperoxide *[Sheep,* **goats,** dogs, horses]. 033988
Improving growth rate in **Hampshire** *sheep* [Progeny testing]. 034795
Enterotoxemia [Clostridium welehii type D] outbreaks in *sheep* in **Haryana.** 035083
The role of catecholamines in stimulating the release of pituitary ovulating **hormone(s)** in *sheep.* 034544
Aspects of veterinary hygiene in the further development of *sheep* **husbandry.** 034939
Practical information about tasks of veterinary service in *sheep* **husbandry.** 034943
Adherence reaction between Cystocaulus ocreatus L. Sensitized in immune sera from naturally **infected** *sheep,* and peritoneal macrophages from normal guinea pigs. 034980
Artificial **insemination** of *sheep.* 035836
Sodium hydroxide treatment of barley straw; effect of volume and concentration of solution on digestibility and **intake** by *sheep.* 034276
On the evaluation of ram genotype with regard to the quality of the offspring as a result of **interbreeding** of *sheep.* 034811
In vitro absorption of amino acids by the small **intestine** of *sheep.* 034002
Isoenzyne comparisons of wild **Iranian** *sheep* (Ovis linnaeus). 033870
Karyotype of the **Kazakh** *Arkhar-Merino* sheep. 034821
Verminosis prevention in *sheep* in **Kazakhstan.** 035256
A fluorescent probe study of the lipid mobility of membranes containing sodium- and potassium-dependent adenosine triphosphatase *[Sheep* **kidney**]. 034105
Management systems for *ewes* and **lambs.** 033662
A comparison between rotational [creep] grazing and set stocking with *ewes* and **lambs** at three stocking rates. 034271
Technological flux in fattening **lambs** and *sheep.* 034485
The effects of active immunisation against androstenedione on luteinizing hormone **levels** in the *ewe.* 034641
Studies on the response of *ewes* to **live** Chlamydiae adapted to chicken embryos or tissue culture. 035035
Testing of sulfene and KP-5 for fascioliasis of ruminants [Cattle, *sheep,* **liver** fluke]. 035254
Sheep **losses** to predators in 15 states. 033654
Ewe **luteal** function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone releasing hormone/follicle stimulating hormone releasing hormone]. 033886
Studies on **male** *sheep* investigating the feeding value of excreta from young hens and broilers. 034314
Effective exploitation of each hectare of land [Productive capacity of agriculture, Five-Year Plan, pasture **management** of *sheep].* 031891
Digestibility of rations made of maize plants and poultry **manure** *[Sheep].* 034526
Characters of the staphylococcal hemolysin beta produced by the causative agent of gangrenous **mastitis** in *sheep.* 035220
Further studies of the dynamics of nitrogen **metabolism** in *sheep.* 033830
Simulation of the dynamics of nitrogen **metabolism** in *sheep.* 033831
Effect of trauma on plasma glucagon and insulin concentrations in *sheep* [**Metabolism**]. 033845
The effect of a reduction in food intake during late pregnancy on nitrogen **metabolism** in *ewes.* 034402
Effect of granular feeds on **metabolism** in *sheep.* 034509
The ultrastructure of the *sheep* **metaphase** plate chromosomes. 034220
Identification of cow's milk in *sheep's* **milk** and sheep's milk cheeses [Adulteration]. 032107
Hygienic problems in *sheep's* **milk** and production of rennin. 032141
Study on enterococci in commercial cow's and *ewe's* **milk** [Contamination]. 032159
Study on lactobacteria in Kashkaval cheese prepared from *ewe's* **milk** [Lactobacillus]. 033035
Breeding for fattening performance and carcass quality in the **mutton** *sheep* population. 034829
Factors influencing growth and reproduction in Rambouillet and Florida **native** *sheep.* 034594
Leptospirosis of *sheep;* **natural** infection by the serotype Leptospira hardjo [Abortion]. 034984
The effect of fenbendazole (Panacur) in *sheep* **naturally** infected by gastrointestinal and lung nematodes [Anthelmintics]. 035229
Effect of rafoxanide (Flukanid) on *sheep* **naturally** infectedwith Fasciola hepatica. 035261
The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of *sheep* [**Nutritional** biochemistry]. 034347
Genetic control of the potassium content in the erythrocytes of *sheep* (**Ovis** domesticus). 034817
The chromic chloride method of coupling antigens to erythrocytes: definition of some important **parameters** *[Sheep].* 035119
Ductal reabsorption of Na [sodium] in 1:1 exchange for K [potassium] in *sheep* **parotid** gland. 033934
Studies of FeSV [Feline sarcoma virus] induced sarcomata in *sheep* with **particular** reference to the regional lymphatic system. 035006
The endocrinologic changes of gestation and **parturition** in the *sheep.* 034545
The mechanism by which foetal cortisol controls the onset of **parturition** in the *sheep.* 034840
Green forage production line for *sheep* [**Pasture** management]. 038058
Fertilization, irrigation and yield of *sheep* **pastures.** 038057
Gonadotropin and subunit conformation *[Sheep* **pituitary** hormone]. 033762
The ultrastructure of the *sheep* **placenta** around the time of parturition. 034658
Investigation on udder functional peculiarities in the **Pleven** *Blackface* sheep breed. 034244
Chronic fluoride **poisoning** in *sheep.* 035424
Arta department: the problem of bearing more than one offspring in *sheep,* and **possibilities** of double birth within the year. 034828
Some biochemical alterations in *sheep* **pox** infected lamb testicular cells. 035076
The effect of labour on uterine blood flow in the **pregnant** *ewe.* 034790
Progress in *sheep* **production** research in India. 034633
Unique virus-related DNA sequences in *sheep* **progressive** pneumonia lung. 035111
Incorporation of N from intravenously administered 15N [nitrogen isotope] labelled urea into the bacterial **protein** in the *sheep.* 033721
The effects of vagotomy on ventilation and blood gas composition in dog, *sheep* and **rabbit.** 034165
Local regulation of the uterine blood flow by the umbilical circulation *[Sheep,* **Rabbits**]. 034153
The history of *sheep* **raising** on the Trencin estates. 033605
Effect of several antipyretic substances on experimentally induced pyrogenic **reaction** in *sheep.* 033882
Alimentary **reactivity** in *sheep.* 034487
Glutathione polymorphism in the *sheep* **red** blood cells. 033986
Immunological studies in protein malnutrition: IV. Lymphoid cell proliferation in malnourished mice after SRBC *[sheep* **red** blood cells] administration. 035078
A new look at livestock and *sheep* **research.** 033652
Hairy shaker disease: preliminary studies on the nature of the agent, and the induced serological **response** *[Sheep].* 035161
Chemical composition and feeding value of mallow (Malva verticillata L.) (first **results**) *[Sheep].* 034287
Ureolytic bacteria in *sheep* **rumen.** 034061

Connection of the fineness of fleece with feeding conditions and their **seasonability** in *sheep.* 034489
Effects of specific neutralization of luteinizing hormone and prolactin on ovarian blood flow and progesterone **secretion** [in *ewes].* 034640
Analyses of prostaglandins in *sheep* **seminal** fluid. 034605
Contributions to the growth of the digestive system in *sheep.* 2. 033729
Factors affecting the cessation of estrus activity in *ewes* **[Sheep].** 034558
The composition and flow of parotid saliva during acute hyperkalemia in **sodium-deficient** *sheep.* 034163
Changes in urinary water and electrolyte excretion in **sodium-loaded** *sheep* in response to intravenous infussion of arginine vasopressin. 034159
Color inheritance in **Sokol** *sheep.* 034814
Results obtained in the treatment of udder ulcers [Cows, goats, **sows,** *ewes].* 035371
A comparison of supplementary sources of nitrogen and energy for increasing the voluntary intake and utilization of barley **straw** by *sheep.* 034398
Blood groups of *sheep.* II. **Supplementary** antigenic factors in the systems A, B, C and M; estimation of the allelic frequencies in the systems A, B, C, D, M and R of the French breeds Berrichon, Ile-de-France and Texel. 034566
Hypothalamic hormones [isolated from *sheep* and **swine**]. 033777
Artificial insemination with spermatozoa in formaldehyde *[Sheep,* **swine].** 034679
Isolation of the terminal complement complex from **target** *sheep* erythrocyte membranes. 033803
The efficacy of protein supplementation in overcoming urea **toxicity** in *sheep.* 035395
Isolation and practical characterization of *sheep* **transferrin.** 033871
Ovulation rate in *ewes* **treated** with pregnant mares' serum gonadotrophin and luteinizing hormone releasing factor. 034657
Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol **treatment** *[Sheep].* 034666
Evaluation of mutton quality traits of four Indian carpet **type** *sheep* breeds. 032084
Turnover of 15N-14C [nitrogen isotope-carbon isotope] acetyl **urea** in *sheep.* 034321
Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on urine and serum mineral levels in **wethers** *[Sheep].* 035351
A two-year comparison of fortified corn silage and alfalfa hay (mixed) for **wintering** *ewes.* 034465
Practical verfication of the possibility of snynchronization of the estrus of semi-fine **wool** *sheep* in the period of fertility by oral administration of superlutine. 034138
Observations on the development of Haemonchus contortus in **young** *sheep* given a single infection [an intestinal nematode]. 035182

SHELF

Extending the *shelf-life* of **garlic** by gamma radiation. 033382

SHELL

The ultrastructural localization of calcium in the **avian** *shell* gland [Chickens]. 034065
Comparisons of ground and whole *shelled* **corn,** roughage supplements and potassium and cobalt additions in finishing beef steers. 034440
Effect on lime treating, oil spraying and thermostabilization on the keeping quality of *shell* **eggs** [Chickens]. 033130
Card-Phenol (Cardanol) [manufactured from cashew **nut** *shell* liquid] & its utilisation. 033357
Isolation of Gonyaulax tamarensis toxins from **soft** *shell* clams (Mya arenaria) and a thin-layer chromatographic-fluorometric method for their detection. 032068
Eggshell damage and master container costs of **two** *shell* egg marketing systems. 033121

SHELLFISH

Hygiene of fish and *shellfish* **[Contamination].** 031985
Radiation-induced increased melanosis in **crustacean** *shellfish* [Shrimp, lobster]. 032902
Epidemiology of Vibrio parahaemolyticus infection in humans[Raw fish, *shellfish,* and **cucumbers** in brine]. 032111
Recovery of Escherichia coli coliforms from **macerated** *shellfish* [Food contamination]. 032075
The public health implications of larval Thynnascaris **nematodes** from *shellfish.* 032101

SHELTER

Test of varietal behavior of **lettuce** under *shelter.* 038429
Measurement of cutaneous heat exchanges in swine reared under *shelter* by **means** of the energy balance method. 033751

SHELTERBELT

Calculating optimum parameters for wind erosion control of **forest** *shelterbelts* in the dry steppe area. 035485
Stability of trees in **forest** *shelterbelts* of the Askania-Nova Experimental Farm. 035509
Forest *shelterbelts* and the quality of crops. 035512
Ground beetles in **forest** *shelterbelts.* 039868

SHEPHERD

Function of the *shepherds* and **codification** in contracts of shepherds in the Liptov area. 031257
Pituitary dwarfism in **German** *Shepherd* dogs: studies on somatomedin activity [Hormonal deficiency diseases]. 035367
Function of the shepherds and codification in contracts of *shepherds* in the **Liptov** area. 031257

SHIGELLA

An analysis of meat products as possible factors responsible for transmission of dysenterial affections of the toxinfectional type *[Shigella* **sonnei].** 032147

SHIPPING

Fruit and vegetable *[shipping]* **container** guide. 033370
Genetic effects of Drosophila [melanogaster] exerted by factors of the cosmic flight in the *space-ship* **"Cosmos** 573". 039761
Rail/ship **distribution** of fresh lettuce. 031669
Results of studies on the adjustment of pail-fed calves as affected by *shipping* and **moving.** 033673
The use of **multipurpose** *ship's* refrigerated spaces for the intransit sterilisation of citrus fruit to Japan. 033353
Ocean *shipping* highlights in grain trade [Statistics]. 031583

SHOCK

The distribution of calcium in bovine spermatozoa and seminal plasma in relation to **cold** *shock.* 034696
Synchronization of the fission yeast Schizosaccharomyces pombe using **heat** *shocks.* 037110
Effect of **heat** *shock* on the synthesis of low molecular weight RNAs in Drosophila: accumulation of a novel form of 5S RNA. 039671
Arterial-venous magnesium gradients in **hypovolemic** *shock:* an indicaton of the irreversible state [Dogs]. 034149

SHOES

Virus diseases of vegetable crops in Apulia. XVIII. *Shoe* **stringing** of broadbean (Faba vulgaris Moench. var. major). 038915

SHOOT

Effects of gibberellic acid on DNA synthesis and histology in the *shoot* **apex** of Helianthus annuus [sunflowers] during the transition to flowering. 037383
Results of simulating wildlife browsing by **cutting** *shoots* [of forest trees]. 035481
The root and *shoot* **development** of Eucalyptus regnans F. Muell. 037892
Differential responses of buds along the *shoot* to **factors** involved in apical dominance [in Hygrophila]. 037040
Effect of defoliation, shading, and tipping of *shoots* on **flower** bud development and vegetative growth of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Isolation and fractionation of water-soluble polysaccharides from bamboo [Phyllostachys edulis] *shoot* **[Food** chemistry]. 032710
The structures of water-soluble polysaccharides isolated from bamboo [Phyllostachys edulis] *shoot* **[Food** chemistry]. 032712
The development and *shoot* **formation** of Juncus trifidus L. In the Khibiny Mountains. 036844
Selectivity in xylem to phloem transfer of amino acids in **fruiting** *shoots* of white lupin (Lupinus albus L.). 037530
Influence of environmental factors on bud burst, inflorescences, fertility, and *shoot* **growth** of vines. 037882
The effects of defoliation on the pattern of 14C [carbon isotope] assimilate distribution in the long **peach** *shoots.* 037687
Growth and revolutive movement of *shoots* from **Periploca** graeca L. 037329
Morphological and physiological characteristics of the apical meristem of the *shoot* of **Quercus** robur at various stages of ontogeny. 036331
Redistribution of endogenous cytokinins in geotropically stimulated Ribes nigrum [currant] **roots** and *shoots.* 037886
Foam sprays of plant growth regulating chemicals on **rose** *shoot* development at cutback. 037733
Sevidol granule for the control of **sugarcane** *shoot* borer Chilo infuscatellus Snell. 039287
An observation on the **summer** *shoot* formation in Pinus densiflora seedlings. 037921
Shoot **system** and terminal bud of Salicaceae [Populus, Salix]. 036336
Carnation [Dianthus caryophyllus] propagation from *shoot* **tips** cultured in liquid medium. 037728
Action of growth substances on the initial development of sugarcane *[shoots]* **treated** with hot water [Budding, rooting]. 037378

SHOREA

Red lauan *[Shorea* **negrosensis]**—a new species of wood for use in the furniture industry. 035771
Effect of Eucalyptus monoculture on the status of soil organic matter in natural **sal** *(Shorea* robusta) zone in Doon valley. 040658

SHORTENING

Shortening **sparing** effect of sodium stearoyl-2-laclylate in puff pastry. 033224

SHOULDER

Osteochondritis dissecans of the epiphysis of the **dog** *shoulder.* 035384

SHREWS

Shrews: a **review** of the diseases, anomalies, and parasites [Laboratory animals]. 034911

SHRIMPS

Shrimp **extract** from prawn waste [Fishery products]. 032797
Radiation-induced increased melanosis in crustacean shellfish *[Shrimp,* **lobster].** 032902
The microbial flora of **rock** *shrimp* Sicyonia brevirostris. 032099
Tiny *shrimp* don't skimp on big taste. 032639

SHRINKAGE

Shrinkage **control** of durable-press cotton knits. 033184
Can the nitrogen demand of *shrinking* **nitrogen** consumption be covered by forced symbiosis with natural nitrogen compounds? 041111

SHRUB

Chaparral *shrub* control as influenced by grazing, herbicides and fire. 038003
Separate method of **clearing** *shrubs* from drained lands of the Ukrainian Polesye. 041209
Small and large problems with *shrubs* **[Culture].** 038492.
Propagating deciduous and **evergreen** *shrubs,* trees, and vines with stem cuttings. 035681
The leaf-eating microlepidoptera of [ornamental] trees and *shrubs* in the **region** of Leningrad [Taxonomy]. 040075
Plant-induced soil chemical patterns in some *shrub-dominated* **semi-desert** ecosystems of Utah. 036222
Ecology and management of Southwestern **semidesert** *grass-shrub* ranges: the status of our knowledge. 038173
Infestations by insects and mites of [forest] trees and *shrubs* in 1974. 039405
On the problem of intereffects of **trees** and *shrubs.* 035483
Some virus diseases of **trees** and *shrubs.* 038888

SICKLES

Zinc deficiency in *sickle* **cell** disease. 032437

SIDERITIS

Four new labdane diterpene oxides from *Sideritis* **gomerae.** 037163
A new diterpenoid acetate from *Sideritis* **reverchonii.** 037158

SIEROZEM

Temperature regime and [soil] moisture-content dynamics of *Sierozems* in the **semisavannahs** of southern Tadzhikistan. 040808

SIEVE

A *wet-sieving* and **flotation** technique for the detection of resting sporangia of Synchytrium endobioticum [potato wart disease] in soil. 038563
Sieving, **straining** and grading [Processing dairy products]. 033019
Sieve-element **ultrastructure** in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous wall thickening and maturation of the protoplast. 036267
Application of Thiery's method of comparison for predictingthe gradient stability of some streams of *Sieve* **Valley** [Flood control]. 041346

SIGMOID

Cellular analysis of the *sigmoid* **curve** of root growth [Quercus robur]. 037906

SIGNALS

Additional *signal* system for the district sprinkling machine FREGAT. 040411
Automatic **average-value** *signal* control of temperature and relative air humidity in a phytochamber. 037251
University of **California** *Signal* barley [Varieties]. 037987

SILAGE

Alfalfa *silages* in butyl hermetic cells lost by flow of juice and gas emission. 033508
Effects of type and variety and stage of maturity on feeding values of **cereal** *silages* for lambs. 034412
Concerning *silage.* 033491
Acidity and proteolysis as factors affecting the nutritive value of **corn** *silage* [Calves]. 034404
Wheat, barley and **corn** *silages* for growing steers and lambs. 034418
A two-year comparison of fortified **corn** *silage* and alfalfa hay (mixed) for wintering ewes. 034465
Two levels of supplemental protein for performance testing bulls on **corn** *silage.* 034481
Leafhoppers [Dalbulus maidis] on *silage* **corn.** 039266
Corn and sorghum as *silage* **crops** under partial irrigation. 041281
Digestibility for swine of fresh, *ensiled* and **dried** chopped maize cobs. 034525
Studies on the Clostridia content of **Finnish** *silage* and cow feces [Dairy hygiene]. 033560
Some aspects of biochemistry in *silage* **fodder.** 033574
Preparing and using maize **grain** *silage* with high humidity rate as fodder for fattening cattle. 033573
Influence of the type of forage harvester on the value of **grass** *silages* for heifers of dairy breeds. 034292

Influence of the type of forage harvester on the *silage* **intake** level and the performances of dairy cows. 034293
Fermentation, utilization and palatability of broiler **litter** *ensiled* at different moisture levels. 033572
Fermentation, utilization and palatability of broiler **litter** *ensiled* with high moisture corn grain [Sheep, cattle]. 034471
Determination of *ensiling* **losses.** 033576
Nutritive value [for ruminants] of green cut **maize** *ensiled* by a trench method. 034285
Comparison of the effect of 3 diets containing beets or beet pulps or **maize** *silage* on the milk production of dairy cows: energy efficiency, digestive and metabolic aspects. 034288
Preparation and use of *silage* **mixed** with protein. 033577
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and wool growth of sheep fed sole diets of hay, *silage* and **pasture** differing in digestibility. 034400
The significance of Propionibacterium species and Micrococcus lactilyticus to the *ensiling* **process** [Silage]. 033553
Silage **research** in European countries. 3. [Grassland research institutes, Great Britain, Netherlands, West Germany, France]. 033500
Comparison of the digestibility and nutritive value of **trench** *silage* of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties [tested on ruminants]. 034284
Improved quality of **wilted** *silage* using a swath fan. 033493

SILICON
Cane sugar and *silicon* **compounds.** 033159
The physiology of *silicon* in **rice.** 037592

SILK
Cephalic and thoracic nerves of the **castor** *silk* moth Samia ricini (Lepidoptera, Saturniidae). 039606
Biosynthesis of tRNA in the **posterior** *silk* gland of Bombyx mori. 040238

SILKWORM
Detection of aflatoxin B1 in *silkworm* **[Bombyx** mori] larvae attacked by an Aspergillus flavus [Fungi] isolate from a sericultural farm. 040201
Cyclic nucleotide phosphodiesterase in *silkworm* **[Bombyx** mori] characterization of cyclic GMP [guanosine monophosphate] phosphodiesterase. 040213
Testing the influence of **centrifuging** *silkworm* eggs on some biological characters and technological qualities of silkwork (Bombyx mori L.) cocoons. 040312
Contrbutions to the technology of obtaining reproduction material in Antheraea pernyi **(oak** *silkworm).* 040287

SILOS
Forced ventilation of a **pit** *silo* for winter storage of potatoes. 040319
Polychlorinated biphenyl residues in *silos* in the **United** States. 039591

SILPHA
Silpha **carinata** Herbst—a remarkable re-discovery in the British Coleoptera. 040061

SILT
Soil splash and runoff from untreated and chemically **treated** *silt* loam aggregates. 041172

SILVER
Ipsenol, the population control material for *silver* **fir** bark beetle [Pityokteines curvidens, Coleoptera, Scolytidae]. 039404
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the rain and in pools on the *Silver* **Flowe** National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
Genetically controlled electrophoretic variants of esterase in *silver* **foxes** [Fur bearing animals]. 034819
Dietary effect on the performance of the *Silver* and the **Golden** Montazah pullets. 3. Feed utilization and livability. 034262
Determination of sulphydryl and disulphide groups in proteins by amperometric titration. *[Silver].* III. **Investigation** of the specifity of Ag+ ions for protein SH groups [meat]. 033114
Mitochondrial malate dehydrogenase of bovine cerebrum. Characterization and mechanisms of inhibition by *silver* **ions.** 034029
Effects of soil amendments and fertilizer on the establishment of *silver* **maple** (Acer saccharinum) in two soil types. 041066
Dietary effect on subsequent growth of the *Silver* **Montazah** and the Golden Montazah chicks. 034259
Dietary effect on the performance of the *Silver* **Montazah** and the Golden Montazah pullets. 1. Rate of lay [Egg production]. 034260
Dietary effect on the performance of the *Silver* **Montazah** and the Golden Montazah pullets. 2. Egg size. 034261
Dietary effect on the performance of the *Silver* **Montazah** and the Golden Montzah pullets. 4. Egg fertility and hatchability. 034263
Polymorphism and mosaicism for supernumerary chromosomes in *silver* **roxes** [Fur bearing animals]. 034823
Use of *silver* and **zinc** to trace sewage sludge dispersal in coastal waters. 041476

SILVICULTURE
Irregular anatomical features of wood as an **aid** in *silviculture.* 036312
Organization of labor in *silviculture* **brigades.** 035666
Christmas tree production in **Iowa** *[Silviculture].* 035678
The effect of *silvicultural* **methods** of establishing pine stads on their growth. 035668
Rational *silviculture* in Switzerland. 035630
Proceedings of the Symposium of the Chinese Forestry Association on the selection of *silvicultural* **species.** 035682
Mechanized flow line for culture of planting **stock** *[Silviculture].* 035664
Preserving the planting qualities of pine seeds relative to duration of **tapping** *[Silviculture].* 035670
The status, economic indices and ways of improving production of planting stock in the **Ukraine** *[Silviculture].* 035672

SIMAZINE
On possibilities of the extension of use of the preparation Gesatop 50 *(simazine)* [in **forest** nuseries and stands]. 039184

SIMMENTAL
Course of parturition and rearing performance of heifers of the Black Pied dairy cattle genotype based on *Simmental* **cattle.** 034830
Results of studies on the sexual maturity of female cattle from the commercial crossing of Charolais, *Simmental* and **Hereford** bulls with Black Pied cows. 034837

SIMMONDSIA
Hydrogenation of jojoba oil *[Simmondsia* **californica].** 032897
Sulfurization of jojoba oil *[Simmondsia* **chinensis].** 032898
Simmondsia **chinensis**—a plant with future [Crop plant]. 038172

SIMULATION
Modeling air temperature for plant and **animal** *simulation.* 031116
Alberta farm **business** *simulator* (Altasim) a farm managementteaching tool. 031252
Computer *simulation* of ice cream freezing. 032949
Abisko II: A **computer** *simulation* model of carbon flux in tundra ecosystems. 036187
Computer *simulation* of firefly [Photinus, macdermotti] flash sequences. 039860
Simulation of **contact** biooxidation process [to grow microorganisms] using a fixed bed [Fermentation techonology]. 032866
Nitrogen metabolism of Raya (Brassica juncea Coss.) during germination under *simulated* **drought.** 037340
Simulation of the **dynamics** of nitrogen metabolism in sheep. 033831
Simulating **erosion** dynamics with a deterministic distributed watershed model. 041391
Application of a parametric model to *simulate* **flows** from an urban watershed. 041425
A Ca++ [calcium ions] ionophore A 23 187 *simulating* **hormone** and neurotransmitter action in the rat parotid and pancreas glands. 033947
Can protein **hydrolysates** *simulate* a higher protein content in meat products? 033056
Simulation and the **logging** manager. 035856
The use of *simulation* in the **management** of privately owned forests in Britain. 035551
Investigations of dairy detergents using radioiodinated protein and a **miniaturised** *simulator.* 033011
Discovery of a 3',5'-guanosine **monophosphate** *simulating* factor in amoebae of Dictyostelium discoideum [Fungi]. 036812
The effects on seedling growth of *simulated* **seed** damage in French beans. 037847
Studies of [plant] transpiration in relation to the environment. 6. *Simulation* of **transpiration** produced by change in air-humidity. 037098
The preparation of *simulated* **water** samples for the purpose of bacteriological quality control. 032090
Results of *simulating* **wildlife** browsing by cutting shoots [of forest trees]. 035481
DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [americum isotopes] from a *simulated* **wound** site [Dogs]. 035411

SIMULIIDAE
A cytological study of two closely related blackfly species: Cnephia dacotensis and Cnephia ornithophilia **(Diptera:** *Simuliidae).* 039657
B-chromosomes of Cnephia dacotensis and Cnephia ornithophilia **(Diptera:** *Simuliidae).* 039659
A new subspecies, Prosimulium macropyga korshunovi patrusheva subsp. n., (Diptera, *Simuliidae)* from the **polar** Urals. 040135
Notes on parasitism of black flies (Diptera: *Simuliidae)* in **streams** treated with Abate. 039481
The larvae of **Tahitian** *Simuliidae* (Diptera: Nematocera). 040110

SIMULIUM
Controlling black fly *[Simulium* **arcticum]** outbreaks [Cattle]. 039449

SINAPIS
The effect of atrazin (2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine) on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and *Sinapis* **alba** cotyledons. 036920
Chemotropic effect of metal cations on *Sinapis* **alba** L. [Mustard] roots as affected by some factors. 037662
35S [sulfur isotope] translocation and reduction in *Sinapis* **arvensis** L. depending upon the light regime. 036921

SINKING
A fluorometric technique for **measuring** *sinking* rates of freshwater phytoplankton [Algae]. 037085

SINUS
Outflow from the left and the right coronary artery into the **coronary** *sinus* in the dog heart in situ. 034135
Effects of dopamine on *sinus* **rate** and ventricular contractile force of the dog heart in vitro aand in vivo. 033833

SIPHA
Resistance in Digitaria to the yellow sugar-cane aphid, *Sipha* **flava** (Forbes). 039306

SIPHONAPTERA
Fleas *[Siphonaptera]* of **Citellus** fulvus Licht. And their infection rate with the plague agent over the territory of Kazakhstan and Central Asia. 039498
Fleas—*Siphonaptera.* 040112
Paraceras melis (Waker), *Siphonaptera,* a **new** species for the fauna of Bulgaria. 040004

SIRE
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, spring 1975 **containing** *sire* summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. 034580
Is there need for change? Using records other than DHI [dairy herd improvement] in *sire* **evaluation.** 034782
What future for *sire* **lines?** [Swine, breeding]. 034776
Fertility differences between groups of *sires* **relative** to the stage of estrus at the time of insemination [Dairy cattle]. 034559
Scots *sire-lines* shave baconers' backfats [Swine, breeding]. 034775
USDA-DHIA [Dairy Herd Improvement Association] *sire* **summary** list, spring 1975 containing sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. 034580

SIRICIDAE
The distribution and ecology of woodwasps [Urocerus gigas] (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of *Sirex* **noctilio].** 039705

SITE
Forest production in correlation to **atmospheric** *site* factors. 036173
Organization of the *site* of **building** and the use of machines in forest road construction. 035517
Double-headed protease inhibitors from black-eyed peas. III. Subunit enteractions of the native and *half-site* **chemically** modified proteins. 037770
The relationship between *site* **condition** and circulation of nutrients in forest ecosystem. III. Above ground biomass and nutrient contents of stands. 036229
Food preference and *site* of **damage** to preferred products by ria hyperborea]. 039433
Are we operating still *site-adapted* **forestry?** 035514
Effect of *site* on **nutrient** uptake and utilization in sunflower. 037492
Double-headed protease inhibitors from black-eyed peas. IV. *Half-site* **reactivity** in the formation of complexes with trypsin and chymotrypsin. 037771
The **suitable** *site* for bees. II. [Apis mellifera]. 040208
The Thier guarry, a *site* to **urgently** conserve in Vielsalm [Plant ecology]. 036236
DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [americum isotopes] from a simulated **wound** *site* [Dogs]. 035411

SITONA
Effects of host plant and soil type on the life cycle of *Sitona* **lividipes** Fhs. [Pest of clover, alfalfa]. 039308

SITOPHILUS
Nitrogenous excretory products of adults of Sitophilus oryzae and *Sitophilus* **granarius** [wheat]. 039270
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., *Sitophilus* **granarius** L. and Rhizopertha dominica F.) [Pests of stored grain]. 039428
Nitrogenous excretory products of adults of *Sitophilus* **oryzae** and Sitophilus granarius [wheat]. 039270
On the possible development of radio-resistance in *Sitophilus* **oryzae** (L.) following exposures of successive generations to ionizing radiation. 039432

SITOSTEROL
Beta-sitosterol from **Rhododendron** caucasicum Pall stems and leaves. 037268

SITOTROGA
A qualitative of free amino acids in the developmental stages of *Sitotroga* **cerealella** Oliv. and Cadra cautella (Wlk) [Pests of stored cereals]. 039424

SKELETON
Bone and bone marrow spaces in dosimetry of **beagle** *skeletons* [Dogs, radiation toxicity]. 035410
Development of excitability in embryonic **chick** *skeletal* muscle cells. 034045
Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast **contracting** *skeletal* muscles [Dogs, cats]. 034039
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of natural actomyosin from **mammalian** *skeletal* muscle [Swine]. 034210
Studies on the histostructure of *skeletal* **musculature** and some meat qualities of sows raised under different exercise regimes. 034246
The basal abdominal segments of the Neuropteroidea (Insecta, Holometabola). A comparative study of *skeleton* and **musculature.** 039952
X-ray structure and absolute stereochemistry of stemarin, a diterpene with a **new** *skeleton* [Stemodia maritima]. 036868
Developmental changes in the structure and kinetic properties of myosin adenosinetriphosphatase of **rabbit** *skeletal* fast muscle. 034025
Effect of boron on the content of *skeletal* **substances** in the culms of spring wheat. 037502

SKIDDING
Analysis of weight distribution for a log on undersling device and on the ground in the process of **semi-undersling** *skidding.* 035828

SKIM
Quantitative and qualitative analysis of the microflora of *skim* **milk** powder. 032988
Hydrogen peroxide alteration of whey protein in *skim* **milk** and whey protein solutions. 032994
Experimental atherosclerosis in rabbits fed cholesterol-free diets. 6. *Skim* **milk** powder. 035368
Spontaneous appearance of staphylococcal variants during vacuum concentration of **reconstituted** *skim* milk. 032055

SKIN
Animal *skin* degreasing with surface active agents. 033105
Experimental studies on **autogenous** *skin* grafting in bovine [Cattle]. 033979
Effect of various proteinase preparations on the collagen of the **calf** *dermis* [Depilation of raw hides]. 033042
The *skin* **[Cats,** diseases]. 034898
Fibril formation in solutions of solubilized collagen [of **cattle** *skin].* 033824
Scanning electron microscopic visualization of collagen fibers in embryonic **chick** *skin.* 033877
Isolation and characterization of type III collagen from **chick** *skin.* 033920
Epidermal protein metabolism directed toward keratinization by hydrocortisone in the chick **embryonic** *skin* growing in a chemically defined medium. 033876
County statistics 1973 and 1974 *[Skins,* **fur-bearing** animals]. 033101
Tannin-extract production from local materials: their utilization for tanning **hides** and *skins.* 033080
Skin **histologic** study of native and Indian buffaloes and their Bulgarian crosses. II. Sudoriparous and sebaceous glands. 034245
A biological screen of selected species of the genus Euphorbia for *skin* **irritant** effects. 037186
The *skin* **market** [Mink]. 031740
Formula for obtaining clean **mink** *skins* with soft leather. 033110
Meat productivity and *skin* **quality** of calves: crosses of Bulgarian Red cattle with Charolais and Hereford. 034873
Skin **reaction** and macrophage migration inhibition tests for polysaccharides from Aspergillus Fumigatus and Candida albicans [Fungi, guinea pigs, immunological responses]. 035138
Dynamics of the formation of tannin-like substances in the *skin,* **seeds** and juice of the berries of some wine grape varieties. 037720

SLAB
On the dynamic activity of the MAZ-509 logging truck on tract surface of **ferroconcrete** *slabs* [Forest roads]. 035813

SLASH
Effect of three species of **logging** *slash* [from Populus tremuloides, Pinus banksiana, and Picea mariana]. 035745
How to double the harvest of loblolly and *slash* **pine** timber [Pinus taeda, Pinus elliottii]. 035559

SLAUGHTER
The marketing of 2 1/2 year old **Africander** *slaughter* steersof the veld [Breed performance]. 034548
Weight, feed uptake, and *slaughter* **age** in broiler production. 033621
A thousand **animals** *slaughtered* daily at the Zurich slaughterhouse. 033081
The incidence of toxoplasma antibodies among sheep, cattle and pigs slaughtered in a **Belgian** *slaughter-house.* 034993
Comparative study: carcass and meat characteristics in young bulls of the Campine Red Pied and Charolais **breeds** *slaughtered* at the age of 16 months. 033038
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of young Campine Red Pied **bulls** *slaughtered* at 16-17 months. 033607
Abattoir **by-products:** potential for increased production in developing countries. 033084
Lead and mercury residues in kidney and liver of **Canadian** *slaughter* animals. 031977
Digestibility of ground by-products (forestomach) of *slaughter* **cattle** used in dog nutrition. 034428
Necessity to *slaughter* **cattle** vaccinated against foot-and-mouth disease. 035020
Economic results of the influence of feeding on the production of *slaughter* **chickens** [Protein]. 033135
Criteria for effectiveness in the production of cattle for *slaughter* **[Costs,** East Germany]. 031472
Criteria of efficiency of swine production for *slaughtering* **[Costs].** 031473
Decline of animal power and rearing of solipeds, mechanization of agriculture: Study of the ass (and its **hybrids)** for *slaughter.* 034611
Fattening and *slaughter* **performance** results of German Black Pied young bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
The influence of different feeding intensities on the fattening and *slaughter* **performance** of young bulls. 034500
The Carcass value of **pigs** *slaughtered* at equal weight or same age. 1. Comparison of the mean values and variation coefficients. 033044
The incidence of toxoplasma antibodies among sheep, cattle and **pigs** *slaughtered* in a Belgian slaughter-house. 034993
Hygienic problems of cooling poultry carcasses during *slaughter-house* **processing.** 032140
Presence of inhibiting substances in the meat and organs of livestock killed in a **sanitary** *slaughterhouse.* 034944
Examination of *slaughter* **swine** for pesticide and arsenic residues. 032000
Results of tests for inhibitors in *slaughter* **swine.** 033903
A thousand animals slaughtered daily at the **Zurich** *slaughterhouse.* 033081

SLEEP
The biological significance of PGO [ponto-geniculo-occipital] spikes in the *sleeping* **cat.** 033712
From attentiveness to *sleep.* A **topographical** analysis of localized "synchronized" activities on the cortex of normal cat and monkey. 033708

SLIDE
Preparing a *slide-tape* **program:** a step-by-step approach, part 2. 032587

SLIME
Cellular *slime* molds [Dictystelium] of southeast Asia. I. Description of new species [Acytostelium subglobosum]. 035952
Cellular *slime* molds [Dictyostelium, Polysphondylium, Acytostelium] of southeast Asia. II. Occurrence and distribution. 035953
The synthesis of messenger RNA in the **cellular** *slime* mold Dictyostelium discoideum. 036550
Studies on the alkaline phosphatase and 5'-nucleotidase of Dictyostelium discoidleum **[Cellular** *slime* mold]. 036789
Acid protease activity during germination of microcysts of the **cellular** *slime* mold Polysphondylium pallidum. 037010
Poly(adenosine diphosphate ribose) glycohydrolase in Physarum polycephalum *[Slime* **molds].** 036786
DNA breakage caused by dimethyl mercury and its repair in a *slime* **mould,** Physarum polycephalum [Fungi]. 037131
Slime **moulds** [Acrasiales, Myxomycetes] in biological research. 037256

SLOPE
The absolute registration of pasture ixodid ticks (parasitiformes, Ixodidae) from the **eastern** *slope* of Sikhote-Alin. 039502
A new approach to the estimation of low-frequency floods for small watersheds: **eastern** *slope,* Pennsylvania. 041426
Sediment yield from steep lands **[forest** *slopes]* in the driftless area [Watersheds]. 041385
Bowing in roof joists induced by moisture gradients and *slope* of **grain** [Wood]. 035889
Slope **instability** in relation to timber harvesting in the Chilliwack Provincial Forest. 035742
Vine [growing] on *slopes* [in **Kabardino-Balkaria].** 038524
Cultivated pastures on the *slopes* of **ravines** [Soil erosion control, tillage]. 041167
Alternative methods for logging **steep** *slopes* in the Nelson Forest District of British Colombia. 035781
FMC 200bg helps tackle **steep** *slopes* of Kootenays [Logging equipment]. 035853

SLUDGE
Kinetics of a fixed media **activated** *sludge* system. 041637
Sequential substrate removal in **activated** *sludge* systems fed with naturally occurring wastewater. 041643
Snythesis of trickling filter and **activated** *sludge* processes [Water purification]. 041677
Some effects of *sludge* **characteristics** on dissolved air flotation. 041646
Sludge **disposal** and the coastal metropolis. 041474
Sludge **drying** and incineration. 041644
Liquid swine manure and **sewage** *sludge* need careful supplementation [to fill nutritional requirements of field crops]. 040947
Production and dynamics of salt marsh vegetation and the effects of experimental treatment with **sewage** *sludge.* Biomass, production and species composition. 040996
Characteristics of quality in refuse, garbage and **sewage** *sludge* composts. 041129
The combined composting of waste straw and **sewage** *sludge.* 041130
Alternatives to marine disposal of **sewage** *sludge.* 041467
Use of silver and zinc to trace **sewage** *sludge* dispersal in coastal waters. 041476
Retention of metals in **sewage** *sludge.* 1. Constituent heavy metals. 041608
Retention of metals in **sewage** *sludge.* II. Incorporated radioisotopes. 041609
Yield and cadmium accumulation of forage species in relation to cadmium content of *sludge-amended* **soil.** 039019
Design guidelines for septic **tank** *sludge* treatment and disposal. 041632
Separation and gravity thickening in secondary sedimentation **tanks** *[Sludge].* 041642
Neuilly-sur-Marne sewage **works** *sludge* treatment station. 041638

SMEAR
Microbiological examination of *smears* as an **important** part of prevention in food-processing plants [Food contamination]. 032142

SMOKE
Studies on *smoke* **curing** of tropical fishes. 032798
Smoke production with the **friction** *smoke* generator [Meat processing]. 033067
The determination of 3,4-benzopyrene in *smoked* **meat** products [Contamination]. 032006
Problems encountered in *smoking* **meat** and meat products. 033066
Smoke **production** with the friction smoke generator [Meat processing]. 033067
Dry sausage and raw meat products. II. Raw meat products. *Smoking* and **storage** of raw cured meat. 033057

SMUTS
Genetic control of virulence in Ustilago hordei **[covered** *smut* disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592
Estimating the efficiency of partial-vacuum inoculation of barley with Ustilago hordei **[covered** *smut].* 038766
Relative reaction of different varieties of wheat to **flag** *smut* [Urocystis tritici] in Punjab. 038709
Flag *smut* [Urocystis tritici] of wheat is becoming a serious problem in Punjab. 038782
Sorus ontogeny and sporogenesis in some *smut* **fungi** [Ustilago and Sorosporium on Gramineae]. 038577
Loose smut [Ustilago nuda] of barley: the embryo test as a means of assessing loose *smut* **infection** in seed stocks. 038792
Formation of indol compounds by different strains of Ustilago zeae (Beckm) Ung. *[Smut,* **maize].** 038803
A **new** *smut* [Sphacelotheca schweinfurthiana] of sugarcane. 038721
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose *smut,* **occurring** on the area of Polaňd. I. Mechanism of inheritance. 036500
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose *smut,* **occurring** on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
Screening of promising sugarcane varieties for resistance to *smut* by **Ustilago** scitiminea Syd. in the Punjab. 038722
Smut **[Ustilago** scitaminea] on sugar-cane. 038780
Loose *smut* **[Ustilago** nuda] of barley: the embryo test as a means of assessing loose smut infection in seed stocks. 038792
Influence of various factors on the efficacy of two systemic fungicides for control of loose *smut* of **wheat** [Ustilago nuda tritici]. 038695
Differentiation of the races of loose *smut* of **wheat** according to proteins of chlamidospores [Ustilago tritici]. 038800

SNOWS
The life history and ecology of the *snow* **alga** Chloromonas pichinchae (Chlorophyta, Volvocales). 037155
Spatial variation of the *snow* **cover** height and the depth of freezing of Grey forest soils under conditions of Pridesnyanskaya highland. 040745
Control of *snow* and **field** mice injuries to fruit orchards [Grapes, persimmons]. 039023
A *'snow'* **job** for Utah youth [Soil conservation]. 041198

SOAKING
Soaking of **complete** fattening rations high in poor roughage. 1. The effect of moisture content and spontaneous fermentation on nutritional value [Cattle]. 034275
Cold **water** *soaking* process for the storage of chestnuts. 033427

SOCIALISM

Contribution of the Agricultural University "Dr. Petru Groza" in Cluj to the forming of a staff of specialists for our *socialist* **agriculture.** 031123
Romanian agriculture in the years of **buildng** up of *socialism.* 031905
Agrarian reform and the transition to *socialism* in **Chile,** 1970-1973. 031098
Socialist **competition** as a comprehensive instrument of [farm] management. 031341
Results of **complex** *socialist* rationalization in 1974 Czechoslovakian veterinary activities. 034945
The international machine system and mechanization of agriculture in the **Czechoslovak** *Socialist* Republic. 040482
Use of yield potentials of Soviet wheat varieties in the **Czechosovak** *Socialist* Republic. 038040
Plot documentation and its adequate use for *socialist* **farms.** 031169
Improving the material-technical supply of *socialist* **farms** by centralized stock keeping [Equipment]. 040424
Elaboration of fertilizer recommendations in the German Democratic Republic and their use by *socialist* **farms.** 040988
Gradual concentration and specialization of cooperative farms, state farms and their interfarm cooperative institutions, a basic requirement of *socialist* **intensification.** 031288
Methodological questions of *socialist* **prognosis** of the agrarian complex [Farm management]. 031320
Amendment of alkalized and alkaline soils in the *Socialist* **Republic** of Romania. 041050
Animal production within the *socialist* **sector** of Algerian agriculture. 033677
Prognosis of the development of the structure of agricultural soil fund and planted areas in the **Slovak** *Socialist* Republic up to 1990 [Land utilization]. 031225
Results of veterinary hygienic inspection activities in the **Slovak** *Socialist* Republic after 4 years of the fifth Five-Year Plan. 034946

SOCIOECONOMIC

Socioeconomic **dimensions** of Florida citrus harvesting labor. 031279

SOCIOLOGY

The peasant aristocracy of the Kocherberg area in the outgoing Middle Ages and at the beginning of modern times [History, *sociology,* **France**]. 031060
Leading peasant classes in Old Bavaria [**History,** *sociology].* 031048
Leading peasant classes in Bavaria in the 19th to 20th centuries [**History,** *sociology].* 031051
Upper peasant classes in Old Wirtemberg [**History,** *sociology].* 031063
Sociology and **nutrition.** 032231
Population change in nonmetropolitan cities and towns [**Rural** *sociology].* 030999
Population change in South Dakota small towns: 1960-1970 [**Rural** *sociology].* 031026
South Dakota low income families and migration [**Rural** *sociology].* 031027
The saga of women in the hills [**Rural** *sociology].* 031083
Family-community resource linkage [**Rural** *sociology].* 031127
The leading ranks of the farmers' associations [History, *sociology,* **Westphalia**]. 031059

SOD

Evaluation of annual grass forages in prepared seedbeds and overseeded into **perennial** *sods.* 038049
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on *sod-podzolic* **sandy** loam soil. 041097
Effect of mineral and organic fertilizers on the development of algae in a *sod-podzolic* **soil.** 041012
Micromorphology of *Sod-Podzolic* **soils** on a moraine and on mantle loam. 040829

SODA

Characterization and comparison of spent oxygen—alkali and *soda* **pulping** liquors. 035878

SODIUM

The influence of *sodium* **acetate** in rations for finishing beef cattle. 034448
Influence of *sodium* **arsenate** on the polytene chromosomes of the salivary glands of Drosophila melanogaster at the stageof the early prepupa. 039918
Sodium and **cation** accumulation by senna (Cassia acutifolia)[from northern Sudan]. 037042
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and *sodium* **chloride** [Food contamination]. 032102
Na+ and Cl- *[sodium* and **chlorine** ions] transepithelial routes in rabbit gallbladder. Tracer analysis of the transports. 034131
Axial and transnodal movement of 14C, 22Na, and 36Cl [carbon, *sodium,* **chlorine** isotopes] in Nitella translucens [Algae]. 037039
A fluorescent probe study of the lipid mobility of membranes **containing** *sodium-* and potassium-dependent adenosine triphosphatase [Sheep kidney]. 034105
Selective solubilization with *sodium* **deoxycholate** of membrane proteins from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. 038890
Compare the difference! *[Sodium* in the **diet**]. 032193
Helpful hints to cut down on *sodium* [**Diet**]. 032194
Effect of *sodium* **dodecyl** sulfate on the dissociation of bovine liver catalase. 034026
The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in *sodium* **dodecyl** sulfate. 034137
Evidence for **electrogenic** *sodium* pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) [sodium and potassium ions]-ATPase. 033796
Electrogenic *sodium* pump in exocrine gland cells. 033937
Ductal reabsorption of Na *[sodium]* in 1:1 **exchange** for K [potassium] in sheep parotid gland. 033934
Relatonship between *sodium* **excretion** and renin secretion by the perfused kidney [Dogs]. 034154
An electrophysiological analysis of **extra-axonal** *sodium* and potassium concentrations in the central nervous system of the cockroach (Periplaneta americana L.). 039844
The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, thallium and *sodium;* a **functional** and structural study. 039672
Effect of *sodium* on the **growth** of and ion uptake by barley, sugarbeet and broadbeans. 037467
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and *sodium* **humate** as stimulants]. 040811
Sodium **hydroxide** treatment of barley straw; effect of volume and concentration of solution on digestibility and intake by sheep. 034276
Digestibility of untreated and *sodium* **hydroxide** treated steer fecal waste. 034466
Stimulation of pepper seed germination by *sodium* **hypochlorite** treatment. 038365
The effects of removal of *sodium* **ions** from the mucosal solution on sugar absorption by rabbit ileum. 033815
Results of studies investigating the chewing and ruminating activity of cows fed rations of differently processed straw or straw treated with **liquid** *sodium* hydroxide. 034313
Effect of *sodium* **metasilicate** (foliar application) on juice quality, fiber and yield of sugar in Co. 419 [variety]. 040984
A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, magnesium, *sodium,* **potassium**] by pigs growing at a high ambient temperature. 033738
Evidence for electrogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ +K+) *[sodium* and **potassium** ions]-ATPase. 033796
Induction of the catalytic protein of (Na+ +K+) *[sodium* and **potassium** ions]-ATPase in the salt gland of the duck. 033800
Effects of luminal calcium on transport of Na *[sodium]* and K [**potassium**] by perfused main duct of rat submaxillary gland. 033935
Interaction of H+ [hydrogen] ions with active transport of Na+ *[sodium]* and K+ [**potassium**] across rat submaxillary duct epithelium. 033938
Influence of Na+, K+, Mg2+ *[sodium.* **Potassium,** magnesuim ions] and cooling on proteosynthesis in hemocytes of Galleria mellonella. 039684
Monthly determinations of the concentrations of *sodium,* **potassium,** magnesium and calcium in the rain and in pools on the Silver Flowe National Nature Reserve [Water analysis, Sphagnum cuspidatum]. 041351
Changes in urinary water and electrolyte excretion in *sodium-loaded* **sheep** in response to intravenous infussion of arginine vasopressin. 034159
The composition and flow of parotid saliva during acute hyperkalemia in *sodium-deficient* **sheep.** 034163
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and *sodium* to **soil** [Kidney beans, oats, radioactive contamination]. 040877
Shortening sparing effect of *sodium* **stearoyl-2-laclylate** in puff pastry. 033224
Thin layer chromatography identification of calcium- and *sodium* **stearoyllactylate** in addition to other emulsifiers in food. 032861
Arrhythmogenic properties of **thiamylal** *sodium* in the dog. 034906
The kinetics of Na *[sodium]* **transport** in the isolated perfused rat submaxillary main duct. 033945
Spectrophotometric study of alkylation of *sodium* **xanthogenate** of cellulose by dimethylsulfate. 035819

SOFT

Phenolic compounds & polyphenol oxidase activity in relation to resistance in potatoes against **bacterial** *soft* rot [Erwinia carotovora]. 038860
Effect of standardization of buffalo milk fat of *soft* **cheese** yield and properties. 032936
Continuous *soft* cheese manufacture. 033001
Comparison of microbiological methods for the quality evaluation of *soft* **drinks.** 031986
Flavourings for *soft* **drinks.** 032804
Sulphhydryl and disulphide groups in PSE [pale, *soft,* **exudative**] meat [Pork]. 032005
The effect of temperature on strains of *soft* **fruit** spoilage fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Performance of an embankment supported by stone columns in *soft* **ground.** 040356
Results of trials with chlorcholine chloride (CCC) used on *soft* and **hard** wheat. 037353
The 1975 wheat harvest. II. Quality of *soft* and **hard** wheats. 038101
Susceptibility of some *soft* and **hard** wheat varieties to herbicides used for control of [weedy] grasses. 039097
The technical level of **Hungarian** *soft-drink* factories and the quality of their products in 1974. 032788
Formula for obtaining clean mink skins with *soft* **leather.** 033110
Hard and *soft* selection **revisited** [Drosophila]. 039730
Pectinesterase, polygalacturonase, Cx-cellulase activities and *softening* of the **rin** [fruit ripening inhibitor] tomato mutant [in storage]. 033388
Properties of polysaccharides liberated from cell wall-materials during the macerating action by pectolytic enzyme, endo-PTE, of *soft* **rot** pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Isolation of Gonyaulax tamarensis toxins from *soft* **shell** clams (Mya arenaria) and a thin-layer chromatographic-fluorometric method for their detection. 032068
Lack of specificity in assembly pheromones of *soft* **ticks** (Acari: Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, Argas brumpti]. 039479
Natural and artificial variability in development type in *soft* **wheat.** 036683
Study on the dynamics of blooming and pollen productivity in *soft* **wheat.** 037555
Plot tests of 29 varieties of *soft* **wheat** [in north-central Italy]. 038046
Pigments of the vegetable organs of *soft* **winter** wheat plants with cytoplasmic male sterility. 036466
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of **winter** *soft* wheat [Breeding]. 036475
Physiological peculiarities of **winter** *soft* wheat sterile analogues with Triticum timopheevi Zhuk cytoplasm. 036481
Genetic aspects of winter hardiness in **winter** *soft* wheats. 036711
Study of biological and commerical properties of new **winter** *soft* wheat varieties developed by interspecific hybridization. 038179

SOILS

Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the *soil-covering* **ability** of the seeded species and some weeds. 037973
Distribution of phosphate and potassium fertilizers in the topsoil, applied on the surface or **absorbed** in the *soil.* 041072
Copper [content] in [field] crops of the southern part of the Ukraine and its **absorption** from the *soils.* 037341
Some problems of chemistry of natural and artificial radionuclides in *soils* and their **accumulation** by crops [Radioactive contamination]. 040744
Acid *soils* of Karnataka and their amelioration. 041150
The problem of *soil* **acidity** in Brazil. 040683
Formation of volatile sulfur compounds by microbial decomposition of slfur-containing amino **acids** in *soils.* 040798
Anaerobic bacteria and ther **activities** in *soil.* 040648
Effect of improvement cutting of young stands of Pinus nigra caramanica on biological **activity** of *soil.* 035594
Anomaly content of lead and zinc in *soils* **affected** by the antropogenic factor. 040720
Prognosis of the development of the structure of **agricultural** *soil* fund and planted areas in the Slovak Socialist Republic up to 1990 [Land utilization]. 031225
In **alkali** *soils* urea spraying for saving nitrogen and more wheat. 040981
Profitable production of potato in feebly **alkaline** *soil* by application of energy rich materials alone and with rock phosphate and N.p.k. [Nitrogen, phosphorus, potassium] and their influence on quality of potato. 040980
Amendment of alkalized and **alkaline** *soils* in the Socialist Republic of Romania. 041050
Effects of sulfur on reducing the pH [hydrogen-ion concentration] of an **alkaline** *soil.* 041067
Influence of different organic materials with and without rock phosphate and urea on reclamation of highly saline and **alkaline** *soil.* 041161
Effect of extracts and distillates of **amended** *soil* on the activity of Meloidogyne javanica [Okra, tomatoes]. 039003
Rational use of the machine MA-3,5 for application of *soil* **amendments.** 040524
Effects of *soil* **amendments** and fertilizer on the establishment of silver maple (Acer saccharinum) in two soil types. 041066
Effect of bacterial & fungal extracts & metabolic inhibitors on excystment of *soil* **amoebae.** 040659
Neutron activation **analyses** of *soils.* 040576
Plant and *soil* **analysis** control and interpretation of field experiments. 040644
Use of gamma-irradiation of *soil* for an **analysis** of the composition of microbial communities. 040689
Molybdenum in the *soils* of **Andizhan** oblast and prospects for using molybdenum micronutrients [Irrigation]. 041096
Short-term studies of the uptake of nitrogen by young apple trees after *soil* **application** of ammonium nitrate. 037632
Autumn tillage of *soil* and the **application** of green manure plants to cotton-alfalfa crop rotations. 038177
Study of the phosphate regime of *soils* with the **application** of indices of phosphate-buffer capacity (Q/I) and phosphate potential. 040848
Effect of *soil* **applied** pesticides on nitrogen nutrition and yield of sugarcane. 039552

Distribution of phosphate and potassium fertilizers in the *topsoil*, **applied** on the surface or absorbed in the soil. 041072
On the *soils* of **arid** and humid zones of the tropical island of Sri Lanka. 040613
Clay mineralogy, physical, and chemical properties of some *soils* in **arid** regions of Iran. 040759
Pollen analysis of the buried volcanic **ash** *soil* at the foot of the volcano, Iwate. 036106
Influence of the chemical fertility of the *soil* and the **ash** content of durum wheat grown in northern Italy. 037351
The thermostability of secondary structure of d-glyceraldehyde-3-phosphate dehydrogenase from thermus thermophilus characterized by a new method *[Soil* **bacteria**]. 040639
Extracellular polysaccharides of *soil* **bacteria.** 040650
Anomalous results encountered when measuring acetylene reduction by *soil* **bacteria.** 040794
An endo-alpha yield 6-D-mannanase from *soil* **bacterium** [Arthobacter]. Purification, properties, and mode of action. 040668
Runoff and soil losses from **Barnes** *soils* in the northwestern Corn Belt [Erosion]. 041143
The manipulation of the water regime of *soils* on the **basis** of thorough analysis of the requirements of plants. 041271
Nitrogen and phosphorus levels in *soils* **beneath** sewage disposal ponds. 040673
Effect of the repeated liming on *soil* **biological** activity. 040843
Biology of conidia, ascospores, and microsclerotia of Calonectria crotalariae in *soil* [**Black** rot, papayas, Metrosideros collina, Acacia koa]. 038763
Microbiological processes in peat **bog** *soils* under perennial grasses. 040730
The automatically controlled system for designing horizontal drainage [of peat bogs and **boggy** *soils]*. 041266
Predicting nutrition conditions for the *soils* of **Bulgaria.** 040750
Irrigation requirements of **Bundaberg** *soils*. 041235
The effectiveness of inorganic fertilizers applied under spring wheat in connection with its predecessors on the *soils* of the **Buryat** ASSR. 040875
Action and interaction of nitrogen, phosphorus and potassium in sunflower fertilization on **calcareous** *soils*. 041062
Mineralogy of topsoils and *subsoils* from **Camp** Stream Catchment of the Waimakariri Valley, New Zealand. 040703
A new yeast species from the *soil*—**Candida** podzolica sp. N. 040685
Phenylamide- and **carbamate-interactions** in *soils*. 039599
Salt associations in *soils* of **Caspian** lowland as related tosoil genesis. 040740
Effect of host and nonhost crop seeds on vegetative growth and sporulation of Fusarium udum in *soil* [**cause** of wilt disease of pigeonpea]. 038684
Ethylene-induced volatle inhibitors **causing** *soil* fungistasis. 038754
Soils of **Central** Asia (Uzbekistan). 040714
The balance of nutrients [in *soils]* under **cereals** in the Rostov province. 040562
Effect of different parent materials on some *soil* **characteristics** of Mohindergarh District (Haryana). 040560
On the application of water regime and *soil* **characteristics** in the diagnosis of excessive moisture. 040736
Vegetative history of Cinnabar Park in Medicine Bow National Forest, Wyoming [as related to *soil* **characteristics**]. 040784
Reservoir sedimentation associated with catchment attributes landslide potential, geologic faults, and *soil* **characteristics.** 041380
Dematiaceous Hyphomycetes [Fungi] from India. II. [Torula caligans, Pithomyces **chartarum,** *soils]*. 036026
On reliability of *[soil]* **chemical** analysis data of water extracts. 040735
Gas chromatographic analysis in *soil* **chemistry.** 040595
Liquid chromatographic analysis in *soil* **chemistry.** 040596
Paper chromatographic analysis in *soil* **chemistry.** 040597
Thin-layer chromatographic analysis in *soil* **chemistry.** 040598
Soil **chemistry** and accumulation by roots of artificial radionuclides in crop yields [Radioactive contamination]. 040743
Investigations into the effect of large fertilizer dressings on **Chernozem** *soil* in a model experiment. 040854
Parameters for winter wheat growing on **Chernozem** *soil*. III. Correlations between method of fertilization and physical state of soil. 041022
Free amino acids in dark **Chestnut** *soils* of northern Kazakhstn. 040726
Accumulation and mineralization of crop residues in dark **Chestnut** *soil*. 040809
Effect of erosion processes on organic substances of **Chestnut** *soils* in submontane zone of the Great Caucasus within Azerbaijan SSR. 041186
Microbiological characteristics of the eroded **Chestnut** *soils* of Buryatia. 041207
Survey of lead in **Christchurch** *soils*. [Contaminatiom]. 041616
Identification of **Cinnamon-Brown** *soils* in Krasnodar Kray. 040826
The effect of certain herbicides used in a maize-field on the nitrogen **circulation** of the *soil*. 039092
Disinfection of **clay** *soil* using the injection method [Spraying equipment]. 040499
Disposition of fertilizer nitrate applied to a swelling **clay** *soil* in the field [Sorghum]. 040997
Changes in the physical properties of *soil* **clays** due to precipitated aluminum and iron hydroxides. I. Swelling and aggregate stability after drying. 040758
Is **clean** *soil* still possible? [Plant diseases, celery, radishes]. 039072
The effect of fertilizer application to peas grown for grain, in various *soil* and **climatic** areas in Bulgaria. 041033
A principal components analysis of some biochemical activities in a **climosequence** of *soils*. 040793
On the forms of **cobalt** in *soils*. 040845
Composition of *soil* and **coffee** leaves on plantations under varying copper fungicide spraying regimes. 038823
On the composition and properties of some **Colombian** *soils*. 040612
A field trial of the reinforcing effect of a stone **column** in *soil*. 040579
Fixation of iron and zinc applied as chelates into a *soil* **column** during leaching. 040762
Studying the mechanism of salt leaching in *soil* **columns.** 040746
Agapa, USSR [Plant **community,** *soils]*. 036188
Deep breaking up of **compacted** *soils*, affected by successive surplus and shortage of rain water. 041192
Soil **compaction** by impact. 040589
Some applications of the vibro-replacement process *[Soil* **compaction**]. 040590
Effect of forest stands of varying **composition** on the *soil*. 035508
Soil **composition** in young apple orchards of the spur type. 040791
Infiltration of organic phosphate **compounds** in *soil*. 041041
Some observations on *soil* **compression** below pneumatic tires. 040556
Reproduction of organic matter in *soil* under **conditions** of industrialised crop and livestock farming. 040917
Movement of carbaryl through **Congaree** *soil* into ground water. 039573
Fallow land increment and other phenomena of extensification *[Soil* **conservation,** Switzerland]. 041158
Soil **conservation** [Research projets, Italy]. 041164
Defining the sediment trapping characteristics of a vegetative buffer. Special case: road erosion *[Soil* **conservation**]. 041176
A 'snow' job for Utah youth *[Soil* **conservation**]. 041198
Student trainees in SCS *[Soil* **Conservation** Service]. 041204
Title X funds in Archuleta County [Colorado, *soil* **conservation** programs]. 041205
[Soil] **conservation** blossoms on 'flower farm' [Erosion]. 041206
Response by sugarbeet to superphosphate, particularly in relation to *soils* **containing** little available phosphorus. 040994
Reclamation of *soils* **contaminated** with radioactive strontium. 041190
Relation between the agrochemical properties of *soils*, their **content** of nonexchangeable ammonium and its fixation capacity. 040834
Frost conditions in the *soil* of the **control** field in Schleswig. 040849
Erosion potential of *soils* **[Control].** 041178
Modern problems of **controlling** *soil* erosion. 041188
Nitrogen in *soil* **cores** and ground water under abandoned cattle feedlots. 040674
Study on the reestablishment of fertility on **cotton** *soils* showing potassium deficiency. 040972
Soil **cover** characteristics in the forest zone of West Siberian plain. 040951
Changes in the *soil* **cover** under the effect of reclamation [by irrigation and drainage]. 041254
Investigations into some *soils* of **Cuba** with regard to the accumulation of soluble salts. 040555
The study of leaking of *soil* on **cucumber** field with the application of chopping irrigation. 041222
Influence of fertilization and soil management on the occurrence of diseases and pests in an apple orchard. i. Effect of green covered and clean **cultivated** *soil*. 039078
Vegetative proliferations of floral spikelets in Oryza sativa L. [Rice]. VI. Development of proliferated spikelets (propagules) by means of *soil* **cultivation.** 036621
Research concerning the number of weather-permitting work days in the spring for *soil* **cultivation** [Tillage]. 041144
Soil **cultivation** under irrigation on Baragan Chestnut Chernozen. 041195
Relationships between the denitrification capacities of soils and total, water-soluble and readily **decomposable** *soil* organic matter. 040802
Bulk density sampler for **deep** *soil* profiles. 040757
The problem of *soil* **density.** 040753
Some aspects of the influence of **Derno-Podzolic** *soils* on the water chemical composition of Mozhaisk water storage. 040846
Two types of *soils* **developed** over the reddish weathering crust of the western part of Georgian SSR. 040609
Nitrate leakage from *soils* **differing** in texture and nitrogen load. 040672
A wet-sieving and flotation technique for the detection of resting sporangia of Synchytrium endobioticum [potato wart **disease**] in *soil*. 038563
Studies on the ecology of actinomycetes in *soil*. VIII. **Distribution** and characteristics of acidophilic actinomycetes. 040803
Ecological *soil-botanical* spectra of Solonetz soil complexes of the Turgai Valley. 036253
A survey of tracks and paths in a sand dune **ecosystem.** I. *Soils*. 040667
Potassium selectivity in the *soils* of **Egypt.** 040553
Experiment in genetic diagnosis of the soils of the USSR on the basis of **elementary** *soil* processes. 040824
Ubiquity of some *soil* **enzymes** and isolation of soil organic matter with urease activity. 040637
Investigations on the recultivation of grassland on wind—**eroded** *soils* of Iceland [Reclamation]. 041146
About the calculation of the efficiency of capital investments in the constructions for the control of high waters and *soil* **erosion.** 031463
Engineering forecasting and the measures for preventing water **erosion** of *soils*. 041155
Mechanisms of *soil* **erosion** by rain and the actual results of their analytical evaluation. II. 041163
Control of *soil* **erosion** on mountain pastures. 041166
Cultivated pastures on the slopes of ravines *[Soil* **erosion** control, tillage]. 041167
Problem number one *[Soil* **erosion** control, Kharkov region]. 041168
Presentation of geomorphological and hydromorphological maps of the upper basin of the Lebrija River (Santander Department) [Colomiba, *soil* **erosion**]. 041173
Soil **erosion** concepts and misconceptions. 041181
[Soil] **erosion** and sediment control on reshaped land. 041185
Consideration on the behaviour of agronomic works for prevention and control of *soil* **erosion,** in the agricultural production cooperative Aschileu Mic, district of Cluj-Napoca. 041191
Execution of *soil* **erosion** control works at the AgriculturalProduction Cooperative Danesti, district of Vaslui. 041193
Soil **erosion** protection of sea dike foundations. 041211
On the dynamics of the distribution of arable land in landscape districts of **Estonia** *[Soils]*. 041138
Soils of the **Euphrates** river valley and their reclamation. 041160
Boron in the plow layer of *soils* in the **European** USSR. 040813
Criteria for differentiation of *soil* **families;** American taxonomic system (7th approximation). 040691
Studies to specify exactly the *soil* **fatigue** test in soils used in horticulture. 041141
The reaction of some apple rootstocks and variety + rootstock combinations to *soil* **fatigue.** 041142
Identifying soil fatigue in growing apple plantations by means of the *soil* **fatigue** test. 041153
The appearance of potassium deficiency in cotton/food crop rotation on **ferralitic** *soil* in the Central African Republic. 038971
Appearance of potash deficiency in the course of rotations cotton/food crops on a **ferrallitic** *soil* in the Central African Republic. 040953
High cropping standards and extensive reproduction of *soil* **fertility,** prerequisites for high and stable yields [Agronomy]. 038010
The maintenance of *soil* **fertility** and the use of pesticides. 039600
Influence of soil moisture regimes and *soil* **fertility** levels on water use by summer fodder maize. 040696
Main physical soil properties as conditions for characterization of *soil* **fertility.** 040729
The use of fertilisers in the maintenance of *soil* **fertility** under intensive cropping in northern Nigeria. 040977
The significance of crop residues to the maintenance of *[soil]* **fertility** under continuous cultivation at Samaru, Nigeria. 040995
Evidence for a new aluminium phosphate phase from reaction rate of phosphate with aluminium hydroxide *[Soil* **fertility**]. 041018
Agrotechnical importance of peas [in *soil* **fertility** improvement]. 041131
Expanded reproduction of *soil* **fertility** in industrial crop production. 041151
Experience and recommendations regarding the expanded reproduction of *soil* **fertility** in industrial field vegetable production. 041152
The *soil* and **field** research organisation its formation and functions. 040698
Maximizing denitrification during *soil* **filration** of sewage water. 040671
Metabolism of aldicarb by **five** *soil* fungi [Degradation]. 039563
Non-symbiotic nitrogen **fixation** in *soil*. 040652
On heat **flows** into *soils*. 040733
The growth of disturbances in unstable infiltration **flows** [in *soil]*. 040778
Mazzard cherries in various *soils* of the **foothills** of Dagestan. 038471
Vertical distribution of microfungi in a spruce [Picea abies] **forest** *soil* in the south of Sweden. 036166
Problem of evaluating **forest** *soils*. 040566
On the free sesquioxides in representative **forest** *soils*. 040572
Studies on moisture status of **forest** *soil*. IV. Development of original field tensiometer into automatic recording system and some improvements of the system. 040573
Mineral nutrient pool and cycling in a Missouri [Quercus alba, carya] **forest** *[Soils]*. 040669
Identification of Yellow soil, Red soils, and Brown **Forest** *soils* based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Changes of phosphorus and potassium compounds in soddy-podzolic and Grey **forest** *soils* under the effect of water erosion. 040721
Spatial variation of the snow cover height and the depth of freezing of Grey **forest** *soils* under conditions of Pridesnyanskaya highland. 040745
The effect of preceding fertilizer application on the maximum phosphate sorbtion of the Cinnamonic **Forest** *soil*. 041034
Some aspects of the application of fertilizers to wheat on Brown-Reddish **forest** *soil*. 041054

Forest *soil* after afforestation by rehabilitation in the Setouchi region. III. In Comparison with the forest soil of some natural stands. 041145
Kevo, Finland [Vegetation, **forests,** *soils].* 036194
Soils of **forest-steppe** and steppe zones. 040715
The change of humid tropical crusts of weathering in the process of *soil* **formation** under conditions of moderate arid climate. 040575
About the primary stage in the *soil* **formation** under mangrove vegetation in sandy shallow-water regions of the CaribbeanSea. 040610
Effect of deflation on *soil* **formation** in Western Siberian tundra. 040722
Investigations of a model of the system montmorillonite + water-soluble organic substances *[Soil* **formation].** 040827
Soil **forming** function of Collembola and Acarina. 040710
Turf-taiga **(frozen-gley)** *soils.* 040608
Studies on *soil* **fungi.** VII. Notes on some fungi from Hyderabad [Aspergillus deflectus, Aspergillus restrictus, Byssochlamys nivea, Penicillium commune]. 036031
The correlation between the occurrence of both soil mites (Oribatei) and *soil* **fungi** in Qualubia Governorate. 039948
Properties of model humic acids synthesized by phenoloxidase and autoxidation of phenols and other compounds formed by *soil* **fungi.** 040633
Soil **fungi.** 040655
Optimization of the nutrient medium for the biosynthesis of phytotoxic metabolites of Myrothecium verrucaria VKMF-183 *[Soil* **fungi].** 040754
Studies on *soil* **fungistasis.** V. Effect of temperature, moisture content and incubation period. 040661
Effects of *soil* **furrowing** [on the yield of sunflowers and castorbeans under irrigation]. 041213
Soil **furrowing** [for better aeration] when growing maize under irrigation. 041265
The role of Nikola Pushkarov in **furthering** *soil* and geographic studies in Bulgaria. 040751
Peculiarities of *soil* **genesis** in the deltaic-alluvial valleys of Juba and Webi-Shebeli rivers (equatorial Somali). 040614
A moor is not merely ground peat *[Soil* **genesis].** 040681
Evaluation of *soil* **genetic** characteristics and their variations. 040725
Compiling preliminary foundation data with photointerpretation and existing information on *soils* and **geology.** 040709
Factors determining the potassium supplying power of *soils* in **Ghana.** 040642
Genetic and chemical characteristics of Meadow **Gley** *soils* in the rice fields of Primor'ye. 040825
Effects of the **granular** *soil* fumigant Basamid on germination, growth, weed control, and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578
Sulphur supplying power of Japanese **grassland** *soils.* An outline of sulphur survey of grassland soils and pasture plants. 040680
The interdependent effects of soil temperature and water content on soil respiration rate and plant root decomposition in arid **grassland** *soils.* 040804
An experimental **greenhouse** *soil* temperature control system. 040368
Early tomatoes in amended **greenhouse** *soil.* 041112
Thick Bh [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to texture and *soil* **ground** water. 040779
Soil and **ground** water salination in the Stara Zagora irrigation system. 041401
The influence of pH [hydrogen-ion concentration] on the adsorption of phosphate by *soils* from the **Guinea** and Sudan savannah zones of Nigeria. 041046
Genesis of **"Harde"** *soils* in north Cameroon. 040565
Tests of the concept of secondary frost **heaving** [of *soil].* 040777
Dates and methods for urea and ammonium nitrate application to irrigated maize on *soils* having a **heavy** mechanical composition. 041030
Methods of evaluation of durability of *soil-applied* **herbicides** by a biological test. 039155
Soils of **High** Caucasus mountains. 040606
Lead from motor-vehicle exhausts in sweet-corn plants and *soils* along a **highway** in Hawke's Bay, New Zealand. 039041
Studies to specify exactly the soil fatigue test in *soils* used in **horticulture.** 041141
Soil pH **[hydrogen-ion** concentration] affects weed growth, too. 039129
Nature of exchange and **hydrolytic** *soil* acidities. 040831
Identifying *soil* fatigue in growing apple plantations by means of the soil fatigue test. 041153
North Atlantic facies of the turf subarctic and **illuvial-humus-Podzol** *soils.* 040603
Effect of calcium cyanamide on the structure **index** of the *soil.* 040559
Stability analysis of **infiltration** [in *soil].* 040776
Reaction products of polyphosphates and orthophosphates with *soils* and **influence** on uptake of phosphorus by plants [Maize]. 041045
Changes in the physical properties of *soil* under the **influence** of mulching with bituminous emulsion and the significance of this treatment for early potato culture. 041189
Morphologo-anatomical features, yield and quality of Jebel Basma 359 tobacco variety as **influenced** by *soil.* 038135
Effect of the **initial** *soil* moisture content and various concentrations of Curasol AE and Tylose 666 on the formation and stability of dune sand aggregates. 041171
Soil **inoculation**—good insurance [Rhizobium japonicum]. 040838
Soil **insects** [Collembola] as indicators of use patterns in recreation areas. 035563
Kinetic determination of **iodides** in *soil.* 040790
Role of microorganisms in the mobilization and fixation of **iron** in *soils.* 040835
Ways of increasing potato yield in **irrigated** *soils.* 038530
Gypsum application to water and *soils* during **irrigation** with mineralized water. 040727
Influence of pesticides on denitrification in *soil* and with an **isolated** bacterium. 039572
True waxes of Saprophytic mycobacteria **[isolated** from various *soils].* 040688
Bioecological fertility of **Italian** *soils.* 3. Study of the agronomic profiles of the plains. 040662
The fractional composition of strontium 90 [isotope] and calcium in plants as related to the application of calcium, potassium and sodium to *soil* **[Kidney** beans, oats, radioactive contamination]. 040877
Agricultural productivity grouping of *soils* for **land** management. 031238
Soil and **land** cover overlay analyses. 040718
Predicting ionic distributions in **large** *soil* columns. 040770
On the correction of **large-scale** *soil* studies made from aerial photographs. 040748
Functional role of photoinduced electric response of the plant during uptake of phosphorus from *soil* in the **light** [Maize, grapes]. 036940
Rhizosphere microorganisms—opportunists, bandits or benefactors *[Soil* **lives].** 040654
Influence of the thermal characteristics of a moist clay **loam** *soil* on the temperature regime at the surface. 040708
Use of the stable N15 [nitrogen] isotope to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy **loam** *soil.* 041097
About the interrelation between individual groups of phoshates, the phosphate potential and the mobile phosphoric acid in the light Gray Forest fine **loamy** *soil.* 040869
The change of agrochemical properties of soddy-podzolic sandy-light **loamy** *soil* as a result of long-term application of fertilizers in a crop rotation with flax. 040873
Green manuring and output of sugarbeets on **loamy** *soil.* 040889
Effect of drainage conditions on nitrogen supply and yield of young **loamy** *soils* in the Ysselmeer polders [Barley]. 041437
Compacting **loess** *soils* in the USSR. 040585
Potassium in an arid **loessial** *soil:* characterization by equilibrium release-absorption to strong salt solutions. 040767
Potassium in an arid **loessial** *soil:* changes in availability as related to cropping [sequences] and fertilization. 041044
Runoff and *soil* **losses** from Barnes soils in the northwestern Corn Belt [Erosion]. 041143
On the development of nodular bacteria [Rhizobium leguminosarum, Rhizobium **lupini]** in the *soil.* 040686
Occurrence of endomycorrhizas in *soils* of the **Mackenzie** Basin, Canterbury, New Zealand. 040701
Magnesium in New Zealand soils. II. Distribution of exchangeable and "reserve" magnesium in the **main** *soil* groups. 040699
Potassium forms in **main** *soil* types of the plain zone of Dagestan. 040738
Investigation of alcohol-benzene extracts from the **main** *soils* of North Vietnam. 040844
The influence of applied phosphorus, manure, or lime on uptake of lead from *soil* [by **maize].** 041000
On **major** *soil* types of Indonesia. 040734
Evaluation of analytical methods for estimating available zinc and response of maize to applied zinc in **major** *soil* series of Ludhiana, Punjab (India). 040866
Influence of fertilization and *soil* **management** on the occurrence of diseases and pests in an apple orchard. i. Effect of green covered and clean cultivated soil. 039078
Soil **mapping** in relation to the use of fertilizers in the humid tropics. 040647
A comparison of three methods of extracting organic matter from *soils* and **marine** sediments. 040618
Some methods for pre-planting preparation of leached **Meadow-Cinnamon** *soil* to winter wheat. 041197
Effectos on the *soil* of **mechanical** cultivation and fertilizer levels applied to sugarcane ratoons. 040571
Associated and non-associated visco-plasticity and plasticity in *soil* **mechanics.** 040584
The role of ground improvement in foundation engineering *[Soil* **mechanics].** 040591
Distribution of manganese-oxidizing microorganisms **[Metallogenium]** in *soils.* 040821
Achievements and new trends in *soil* **microbiology.** 040747
Contribution of *soil* **microbres** to the formation of humic compounds. 040624
Influence of foliar nutrient sprays on the population of Fusarium oxysporum f. melonis and other *soil* **microflora** in the rhizosphere of muskmelon. 038693
Reaction of *soil* **microflora** [Fusarium solani, Arthrobacter, Nocardia, Geotrichium candidum] to treatment with propanide [Herbicides]. 040687
The effects of *soil-borne* **microorgaisms** on the germination of chlamydospores of Tilletia caries and Tilletia foetida [Potential for the biological control of bunt]. 038811
Phosphorus cycling by *soil* **microorganisms** and plant roots. 036981
Effects of bentazon and dinoseb on *soil* **microorganisms** and on the Rhizobium-Leguminosae symbiosis. 039182
Rhizosphere of Abies religiosa. I. Microbiology and microbial activity *[Soil* **microorganisms].** 040789
Pesticide degradation [by *soil* **microrganisms,** especially the fungi and bacteria]. 039569
Difficulties in reclamation of river valleys with **mineral** *soils* (exemplified by the Mienia river). 041215
Effect of meadow and field utilization on physico-hydrological properties and agricultural value of **mineral-muck** *soils.* 040850
The correlation between the occurrence of both *soil* **mites** (Oribatei) and soil fungi in Qualubia Governorate. 039948
Investigations on the dynamics of decomposition of 2,4-dichlorophenoxyacetic acid and its **mixtures** in the *soil.* 039150
Root regeneration of fall-lifted white spruce [Picea glauca] nursery stock in relation to *soil* **moisture** content. 035642
Interrelationships of seedling age, inoculum, *soil* **moisture** level, temperature, and host and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Effects of high temperature and *soil* **moisture** on survival of first-instar larvae of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
Influence of *soil* **moisture** regimes and soil fertility levels on water use by summer fodder maize. 040696
Stratified sampling of *soil* **moisture.** 040705
A method for extraction of *soil* **moisture** labeled with deuterium. 040719
Determination of the wilting *[soil]* **moisture** for grapevine. 040818
Soil temperature, *soil* **moisture** and the productivity of young apple trees as influenced by bitumen mulch. 040940
Temperature regime and *[soil]* **moisture-content** dynamics of Sierozems in the semisavannahs of southern Tadzhikistan. 040808
Translocation of iron in acid sulfate soils. I. *Soil* **morphology,** and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Distribution of **mountain** *soils* and some characteristics of their genesis and classification. 040601
Fractionation and partial analysis of the 'bound' lipid fraction of **muck** *soil* organic matter. 040626
Effect of irrigation of productivity of meadows on muck-peat and **muck-mineral** *soils.* 041463
Studies on the "short grass **mulch"** *soil* cultivation technique. 041154
The utilisation of *soil* **mycobacteria** derivatives of purine and pirimidine (DPP) as the only source of nitrogen and carbon. 040847
Homogeneous and layered sand in triaxial compression [in **natural** *soils].* 040587
Study of biomass and caloric value of the *soil* **nematode** population in hornbeam-oak [Carpinus, Quercus] forest in Bab. 040569
Evaluation of analytical methods for determining potassium status of **Nigerian** *soils.* 040641
Preliminary physiological studies on cowpea rhizobia [in **Nigerian** *soils].* 040800
Nitrate determination in *soil* using a **nitrate** selective electrode. 040841
Soil **nitrates** following four years continuous corn and as surveyed in irrigated farm fields of central and eastern Colorado. 040677
Estimation of *soil* **nitrogen** reserves by determination of mineral nitrogen. 041073
Studies on the availability to plants of *soil* **nitrogen** in Malaysian tropical oligotrophic peat. I. Effect of liming andpH [hydrogen-ion concentration]. 041109
Studies on the availability to plants of *soil* **nitrogen** in malaysian tropical oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. 041110
Entrance of 90 Sr [strontium isotope] into meadow grasses from different *soils* of the **Noncher-nozemic** zone [Radioactive contamination]. 033567
Competition between metal tolerant and normal plant populations; a field experiment on **normal** *soil.* 036207
Some physiological differences in arabica and robusta coffee plants grown in **normal** *soil.* 036982
An inventory of **Ohio** *soils:* Mercer County. 040786
Research from *soil* to **oil:** Doing whatever is needed. 031140
Absorption of strontium-90, potassium and calcium by oat plants from *soil* during **ontogenesis.** 037420
High level productivity of *soils* and **optimum** crop production corresponding to appropriate choice of cultivation technique. 041194
Ubiquity of some soil enzymes and isolation of *soil* **organic** matter with urease activity. 040637
Effect of Eucalyptus monoculture on the status of *soil* **organic** matter in natural sal (Shorea robusta) zone in Doon valley. 040658
Methods for determining biological energy balances of *soil* **organic** matter. 040828
Effect of *soil* **organic** matter and of organic fertilizers on the mobility of radiostrontium and its availability to plants. 041095
Effects of biocidal treatments on *soil* **organisms.** 040649
Vitamin biosynthesis by germinating [wheat] seeds at low temperature and in **overmoistened** *soil.* 037538
Reaction of soybean plants to the **overmoistening** of *soil.* 037575
Mangan sediment in **paddy** *soil.* 040712
Evaluation of change of salt reserves in the active layer of **paddy** *soils.* 040724
Distribution of plutonium in *soil* **particle** size fractions of liquid effluent-receiving areas at Los Alamos [Radioactive contamination]. 041605
Overseeding rhodesgrass [Chloris gayana] with oats on **peat** *soil.* 038020

Productivity of forage plants on **peat** *soils* [Yields]. 038063
Role of nitrogen fertilizers in increasing productivity of meadows in **peat** *soils* of the Ukrainian Polesye. 041126
The effect of mineral fertilizers on quality of yield of crops grown on irrigated **peat** *soils*. 041128
Perennial grasses on **peat-boggy** *soils* [Yields]. 038061
Transport of water and heat in a frozen **permeameter** *[Soils]*. 040783
Research on pesticide residues resulting from a new method of their application for control of *soil* **pests** in maize stands. 039586
Investigations on the *soil* **phase** of Phytophthora cactorum (Leb. et Cohn) Schroet. with fluorescent optical direct observation. 038841
Effect of fertilisation on the degradation of dicrotophos, disulfoton and **phorate** in *soil*. 040921
Growth of turfgrasses as affected by *soil* **phosphorus** and arsenic [Herbicide residues]. 037822
Soil **phosphorus** reserves and fertilizing with phosphorus. 041137
Effects of *soil* **physical** properties, irrigation, and fertilization on Pinus radiata seedling development in the Benalla nursery. 035648
Main **physical** *soil* properties as conditions for characterization of soil fertility. 040729
Studies in *soil* **physics** and agrohydrology on the young coastal plain of Surinam, South America. 040839
Phosphorus distribution from septic tank effluent in coastal **plain** *soils*. 040676
Acidification and deacidification of coastal **plain** *soils* as a result of periodic flooding. 040756
Phosphorus fertilization aids stand establishment on poorlydraned Coastal **Plains** *soils*. 040949
Effect on *soil* and **plant** mineral levels following three annual applications of swine manures of different copper contents. 041063
Plant-induced *soil* chemical patterns in some shrub-dominated semi-desert ecosystems of Utah. 036222
Arsenic—contents and effects in *soils* and **plants**. 039077
The utilization of potassium 40 isotope for labelling in the study of potassium intake from fertilizers and *soil* by **plants**. 040879
Some aspects to be taken into account when **plowing** *soils* with excess of moisture. 041196
The effect of development of **podzolic** *soils* on the Kola Peninsula on their nitrogen regime and biological activity. 040563
Podzolic *soils* of central Taiga. 040713
Seasonal dynamics of lysimetric water composition in the profile of a sandy **podzolic** *soil* of a larch forest (Karelian isthmus). 040741
Seasonal dynamics of humic acids and various forms of nitrogen in a **podzolic** *soil*. 040742
Content and some properties of concretions in the **Podzolic** *soils* of the central taiga subzone of the Komi ASSR. 040817
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and Gray **Podzolic** *soils* of the forest-steppe of the Ukrainian SSR. 040871
Assessment of 5 years' observations on the desalinization of the Medina **polder** *soils* (Lower Casamance), Senegal. 041140
Biochemical activity of **polluted** *soil* [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium humate as stimulants]. 040811
Organic matter and *soil* **pollution.** 041600
The environmental statistics law [Water and *soil* **pollution**]. 041679
Soil **potassium** relationships as indicated by solution equilibrations and plant uptake [Maize]. 040773
Persistence of AG chlordane in *soil* and its **presence** in plants. II. [Alfalfa]. 039526
Testing of irrigation water **prevents** *soil* and crop damage. 041243
Water erosion [of *soils]* and the **problem** of its study at present. 041187
Nitrate movement and its distribution in the *soil* **profile** of differentially fertilized corn watersheds [in Iowa]. 041043
Fumigation with D-D or Telone on *soils* **prone** to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953
Fumigation with D-D or Telone on *soils* **prone** to Docking disorder. II. Effects on numbers of Trichodorus spp. and Longidorus spp. (Nematoda). 038954
Chemical **properties** of *soils*. 040690
Physical **properties** of *soils*. 040695
Role of *soil* **properties** in the effectiveness of fertilizers. 040855
Effect of dairy cattle manure on millet and rye forage and *soil* **properties**. 040998
Soil **protozoa**—animalcules of the subterranean microenvironment. 040656
Degradation of 1-naphthol by a *soil* **pseudomonad**. 040666
Brown forest and Brown **pseudopodzolic** *soils* of the Soviet Union. 040600
Pseudopodzolic *soils* of Ukrainian Carpathian oblast. 040604
Effects of swine lagoon effluent disposal on *soil-plant-runoff* **quality**. 041653
Prognosis of cesium 137 [isotope] migration in *soils* [**Radioactive** contamination]. 040739
Rational *soil* disinfection with chemicals. 038985
Structural studies of a **raw** *soil* from the top layer of a gypsum quarry [Reclamation]. 041212
Process of drying up and differentiation of peat bog meadows in the Notec river valley *[Soils,* **reclamation**]. 038217
Research at Coolnakilla is important for one million acres of hill land *[Soil* **reclamation**]. 041149
Conservation plant materials make good on 'moonscape' [Openpit mining, *soil* **reclamation**]. 041199
About the utilization of radioisotope methods and means in hydrotechnics and *[soil]* **reclamation**. 041252
Identification of Yellow soil, **Red** *soils,* and Brown Forest soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Deep loosening of *soil* **regulates** water economy. 041170
Soil **relict** and late holocene tectonic movement in the north-Crimean lowland. 040605
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, plant **residues** and *soils*. 038852
Dinitroaniline herbicides in *soils* [**Residues**]. 039140
The colorimetric method of determining the herbicide picloram [**residues**] in the *soil*. 039523
Hydrolyzable and nonhydrolyzable 3,4-dichloroaniline-humus complexes and their respective rates of biodegradation [Phenylamide herbicides, **residues** in *soils]*. 039560
The interdependent effects of soil temperature and water content on *soil* **respiration** rate and plant root decomposition in arid grassland soils. 040804
Rhizobium in the *soil*. 040653
Effect of submergence on the physico-chemical and chemical changes in different **rice** *soils*. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
Phosphorus-deficient **rice** *soils* of India. 040577
General and semidetailed studies of the *soils* of **Rionegro** and Rioseco valleys (Cundinamarca Department) [Colombia]. 040692
Soil **ripping** treatments for runoff and erosion control. 041182
Alkaline and **saline** *soils*. 040806
Determination of the composition of adsorbed bases in **saline** *soils*. 040819
Toxicity threshold of *soil* **salts** for some varieties of apples. 038960
Quantitative diatom [Algae] analysis as an archaeological aid *[Soil* **samples**]. 036964
A technique to enhance detail on scanning electron micrographs of geological materials *[Soils,* **sands**]. 040583
Changes of longitudinal growth and chemical components in pine (Pinus densiflora) leaves on **sandy** *soils* resulting from fertilization. 037920
Effects of potassium fertilization on Hevea grown on tertiary **sandy** *soils* in the savannah of the lower Ivory Coast. 040956
Influence of fertilisation level on nutrient balance of two forage plants grown on a **sandy** *soil* of the lower Ivory Coast. 040960
Effect of method of nitrogen application on corn (Zea mays L.) grown on irrigated **sandy** *soils*. 041039
Theoretical and practical aspects of dynamic consolidation [of fine **saturated** *soils]*. 040592
Investigations on the development of Phytophthora cactorum (Leb. et Cohn) **Schroet.** in *soil*. 038840
Bibliography of the basic works on *soil* **science** of I. P. Gerasmov. 040599
Investigations conducted by I. P. Gerasimov in the field of *soil* **science**. 040602
The world soil maps and the problems arising before *soil* **scientists**. 040617
A *soil* **scientist's** view of eating meat [Fertilizers]. 041013
Preparation of *soil* and **seeding** of wheat. 038099
Shifts in the use of **selected** *soil* mapping units as the result of agricultural utilization. 040679
Water retention by core and **sieved** *soil* samples. 040785
Dr. Ing. Ondrej Kozuch—noted **Slovak** *soil* scientist. 040558
Yield and cadmium accumulation of forage species in relation to cadmium content of **sludge-amended** *soil*. 039019
The migration of nitrogen, phosphorus and potassium of nitroammophoska in loamy **soddy-podzolic** *soil*. 040878
The effect of manure and mineral fertilizers on fractional composition of phosphates in deep **soddy-podzolized** *soil* in the trans-Carpathian lowlands. 041127
Effect of surface applied sulfuric acid on water penetration into dry calcareous and **sodic** *soils*. 041040
Micromorphology of **Sod-Podzolic** *soils* on a moraine and on mantle loam. 040829
Effect of mineral and organic fertilizers on the development of algae in a **sod-podzolic** *soil*. 041012
Effect of the furnace dust of cement works on some physical and technological properties of the *soil*. III. 040752
Ecological soil-botanical spectra of **Solonetz** *soil* complexes of the Turgai Valley. 036253
Quartz oxygen isotopic stability in relation to isolation from sediments and diversity of *[soil]* **source**. 040771
Soil **splash** and runoff from untreated and chemically treated silt loam **aggregates**. 041172
Parameters for winter wheat growing on Chernozem soil. III. Correlations between method of fertilization and physical **state** of *soil*. 041022
Visual ratings of *soil* **structure** conditions. 040557
Water polluted with detergents and hydrologic characteristics of farm lands. II. Investigations on the stability of *[soil]* **structure**. 040567
A new specimen preparation technique for the scanning electron microscope *[Soil* **structure**]. 040582
Organic matter and the *soil* **structure**. 040663
Visual symptoms, causes, and remedies of bad *soil* **structure**. 040788
Specific ultimate strength of the *soil* **structure**. 040837
Amelioration of subsurface acidity by leaching of surface applied amendments. A laboratory **study** *[Soils]*. 041139
A model for the simultaneous production and diffusion of ferrous iron in **submerged** *soils*. 040755
Mineralogy of *topsoils* and **subsoils** from Camp Stream Catchment of the Waimakariri Valley, New Zealand. 040703
Enzyme activity in *soils* at **subzero** temperatures. 040796
Translocation of iron in acid **sulfate** *soils*. I. Soil morphology, and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Translocation of iron in acid **sulfate** *soils*. II. Production and diffusion of dissolved ferrous iron [in Thailand]. 040782
Release and fixation of potassium in some *soils* **supporting** the oil palm (Elaeis guineensis Jacq.) in Nigeria. 040646
On the differential equation for the equilibrium moisture profile in **swelling** *soil*. 040766
Soil as a **system** of humus and clay immobilized enzymes. 040574
Taiga *soils* of Priamur. 040607
The interdependent effects of *soil* **temperature** and water content on soil respiration rate and plant root decomposition in arid grassland soils. 040804
Soil **temperature,** soil moisture and the productivity of young apple trees as influenced by bitumen mulch. 040940
Field *[soil]* **testing** to evaluate stone column performance in a seismic area [Sewage treatment plant]. 040355
A hydraulic triaxial apparatus for controlled stress path **testing** *[Soils]*. 040580
Explorations of principal stress space with kaolin in a true triaxial apparatus *[Soil* **testing**]. 040586
Field studies on the magnesium, copper and zinc nutrition of maize *[Soil* **testing**]. 040664
Soil **testing** as a guide to phosphorus fertilization of young pine plantations in the Coastal Plain. 040895
Consumptive use and water requirement of dwarf wheat in light **textured** *soils* of Rajasthan. 041231
Carbonate in *soil:* A **theoretical** consideration on, and proposal for its fabric analysis. 2. Crystal tubes, intercalary crystals, K fabric. 040706
Effects of storage on the activities of protease, urease, phosphatase, and sulphatase in **three** *soils* under pasture. 040702
Cultivation and fertilizer effects on the growth and foliage nutrient concentrations of Pinus radiata, Pinus pinaster and Pinus caribaea on **three** *soil* types at Anglesea (Victoria). 040905
Mineral composition and age of a **three-storied** *soil* on the sands of the Don Steppe. 040830
Soil **tillage** in the plant production system. 041169
Soil **tillage** and the application of herbicides to vineyards. 041210
The effect of the way of *soil* **tillage** [on the yield of winter wheat]. 041214
Relationships between the denitrification capacities of *soils* and **total,** water-soluble and readily decomposable soil organic matter. 040802
General study of the *soils* of the **townships** of Lebrija and Giron (Santander Department) [Colombia]. 040693
The use of a specific ion electrode for determination of bromide in *soils* [**Tracer** studies of the movement and distribution of nitrogen fertilizers]. 041047
Soils of **Transcaucasia** (Georgia and Armenia). 040717
Soil-geographical **transects** through Chile. 040615
Phosphorus balance in sewage effluent **treated** *soils*. 040675
New aspects of genesis of some **tropical** *soils* in Cuba. 040611
Subtropical and **tropical** *soils* of India. 040616
Comparative studies of analytical methods for determining available potassium in **tropical** *soils*. 040640
Recent works carried out by the Institute of Tropical Agronomic Research and Food Crops in the area of potassium fertilization of **tropical** *soils*. 040967
Study of organic matter in the *soils* of **Tusheti**. 040807
Effects of soil amendments and fertilizer on the establishment of silver maple (Acer saccharinum) in **two** *soil* types. 041066
Some effects of *soil* **type** and crop density on the activity and abundance of the epigeic fauna, particularly Carabidae, in sugarbeet fields. 039291
Effects of host plant and *soil* **type** on the life cycle of Sitona lividipes Fhs. [Pest of clover, alfalfa]. 039308
The most important dicotyledonous weed species in winter and spring cereal, their regional distribution and their dependence on *soil* **types**. 039195
Effect of agallol and telodrine on germination, telerering and yield of different varieties of sugarcane in **UDIC** *soils* of Jamuna Nagar. 039551
Predicting anion movement in disturbed and **undisturbed** *soils*. 040769
Energy-dispersive X-ray analysis on thin sections and **unimpregnated** *soil* material. 040707

The **universal** *soil* loss equation as adapted to the Pacific Northwest. 041184
Spectral signature selection for mapping **unvegetated** *soils.* 040787
Extraction of **urease** from *soil.* 040797
Experiment in genetic diagnosis of the *soils* of the **USSR** on the basis of elementary soil processes. 040824
Techniques of researching information for the development of a manual to **vegetate** *soils* of low productivity disturbed by construction activities. 041183
Ary-Mas, USSR **[Vegetation,** *soils].* 036189
Hardangervidda, Norway **[Vegetation,** *soils].* 036193
Macquarie Island, Subantarctic **[Vegetation,** *soils].* 036195
Moor House [Nature Reserve], United Kingdon **[Vegetation,** *soils].* 036197
Signy island, Maritime Antarctic **[Vegetation,** *soils].* 036199
Tareya, USSR **[Vegetation,** *soils].* 036203
Effect of the drop of ground water level on *soil* and **vegetation** properties in the area adjacent to the electric power plant "Lower Oder". 041684
Relationship of geomorphology to origin and distribution of a high charge **vermiculitic** *soil* clay [in Michigan]. 040772
Comparison of agar media for counts of **viable** *soil* bacteria. 040795
The *soil* of the **vineyards** has not been cultivated here for thirteen years. 038236
Nitrogen in the **volcanic** *soils* of Caldas (Colombia). 040694
Potassium-calcium exchange equilibria in **volcanic-ash** *soils.* 040768
Soils of the **Volga** and the Don River basins. 040716
A paper disc technique for the recovery of Pythium spp. From *soil* or **water.** 038750
Effect of *soil* and **water** conditions on the rural landscape around Wouw, North Brabant. 040570
Influence of surface active agents on movement of **water** in *soil.* 040660
Mobile device for sampling of *soil* **water.** 040682
Classification and management of saline seeps in western North Dakota *[Soil* **water].** 040697
Prediction of *soil* **water** content changes in [irrigated and non-irrigated] Pangola grass [Digitaria decumbens] pastures. 040842
Soil and **water** loss from impoundment terrace systems [Agricultural watersheds]. 041392
Sampling design, collection and anlaysis of **watershed** *soil* samples for water resources management. 041321
Green Revolution and mineral nutrient removal [from the *soil]* by **wheat** under different crop rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Availability of applied phosphate in the *soils* of **white** sugar belt of North Bihar. 040982
The **world** *soil* maps and the problems arising before soil scientists. 040617
Identification of **Yellow** *soil,* Red soils, and Brown Forest soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Magnesium in New **Zealand** *soils.* II. Distribution of exchangeable and "reserve" magnesium in the main soil groups. 040699
Magnesium in New **Zealand** *soils.* III. Availability of non-exchangeable magnesium to white clover during exhaustive cropping in a pot trial. 040700

SOLANACEAE

Microscopic qualitative analysis for the identification of a **foreign** *solanaceous* alkaloid in burdock root tea [Atropa lappa]. 036928
On the pathogenesis of Leveillula taurica Arn. [Powdery mildew, *Solanaceae,* **leeks].** 038608
Candidates for the biological control of Solanum elaeagnifolium Cav. *(Solanaceae)* in **South** Africa. 1. Laboratory studies on the biology of Gratiana lutescens (Boh.) and Gratiana pallidula (Boh.) (Coleoptera: Cassididae). 039139
Effect of availability of nitrogen on alkaloid synthesis in *Solanaceae* **[Tobacco,** potatoes, Datura stramonium]. 036846

SOLANUM

Study on the effects of ecological factors on *Solanum* **dulcamara** [Alkaloid production]. 036724
Candidates for the biological control of *Solanum* **elaeagnifolium** Cav. (Solanaceae) in South Africa. 1. Laboratory studies on the biology of Gratiana lutescens (Boh.) and Gratiana pallidula (Boh.) (Coleoptera: Cassididae). 039139
Studies on the constituent of the rhizome of *Solanum* **incanum**L. 037030
Pachytene chromosome morphology of *Solanum* **nodiflorum** Jacq. 036299
Glandular hairs on [the potato] *Solanum* **polyadenium** lessen damage by the Colorado beetle [Leptinotarsa decemlineata]. 039313
Production of hybrid [potato] stock utilizing the **species** *Solanum* bulbocastanum. 036467
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in **tuber-bearing** *Solanum* germplasm [Potatoes]. 036387
Pyrophosphorylases in *Solanum* **tuberosum.** I. Changes in ADP [adenosine diphosphate]-glucose and UDP [uridine diphosphate]-glucose pyrophosphorylase activities associated with rage of potatoes. 037814
Solanum and **Veratrum** steroidal alkaloids. 036746
Physiological and biochemical changes in tobacco plants after their inoculation with potato Y **virus** *(Solanum* virus 2 Smith). 038898

SOLAR

Etiology, clinical findings, and treatment of *solar* **dermatitis** in the dog. 035355
Uderground heating of crops and *solar* **energy** storage. 040335
Solar **energy** in the service of agriculture. 040366
How *solar* energy can benefit agriculture [Greenhouses]. 040342
Adaptation of local and acclimatized cattle breeds to high temperatures and *solar* **radiation.** 034178
Use of *solar* **radiation** for agricultural production. 040367
Suspended sediment, *solar* **radiation** and heat in agricultural reservoirs. 041394
A **simple** *solar* extractor [Apiculture]. 040209

SOLENOSTOMA

Studies on Jungermannioideae (Hepaticae). 8. Jungermannia subgenus Plectocolea and **subgenus** *Solenostoma* in Australia, New Zealand and Oceania [New Taxa]. 036015

SOLID

Effects of **baled** *solid* waste disposal in the marine environment—a descriptive model [Water and air pollution]. 041470
Gas-liquid-solid **chromatography:** its application to the study of the essential oils. 032789
Tie-up keeping of nursng sows on **composite** *solid* and gratingg flooring. 033650
The development of antisera to prostaglandins B2 and F2alpha and their analysis using *solid-phase* and **double** antibody radioimmunoassay methods [Rabbits]. 035007
Separating the liquid and *solid* **excreta** in animal waste disposal. 041483
Milk sugar, an ingredient of fat-free **milk** *solids* for ice cream manufacture. 033036
Use of broad-line NMR [nuclear magnetic resonance] to determine the amount of *solid* **phase** in cottonseed oil hydrogenates. 033213
Solid **profits** from hardwoods. 035608
Solubilization of a phosphorite with ammonium bisulphate in a *solid* **state.** 040868
The manipulation of the flow of *solid* **substances** during the water intake from the Amu Darya River. 041272
Trends in **waste** *solid* disposal in U.S. Coastal waters, 1968-1974. 041475
The Cal Recovery System: resource recovery system for dealing with the problems of *solid* **waste** management. 041501
A cinematographic analysis of the fine structure of a **waterice** *solidification* interface. 032733

SOLIDAGO

Insects and spiders from year-old galls caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on goldenrod, *Solidago* **canadensis** L. 039233

SOLONETZ

Characteristics of some *Solonetz* **complexes** in the Dark-Chestnut subzone of Kustanay oblast. 040815
Ecological soil-botanical spectra of *Solonetz* **soil** complexes of the Turgai Valley. 036253
Effect of **southern** *Chernozem-Solonetz* characteristics on small grain crop yields. 040723

SOLUBILITY

Vitamin B12 binding protein purified from the **acid** *soluble* fraction of chick embryo. 033992
Immunochemical analysid of *water-soluble* **antigens** of chick retina in the course of embryogenesis. 035106
Levels of *water-soluble* **carbohydrate** in the pre-anthesis ear of wheat, and grain set per spikelet. 037485
Poly (G) synthesizing activity in *soluble* **chromatin** isolated from cauliflower inflorescence. 037783
Fibril formation in solutions of *solubilized* **collagen** [of cattle skin]. 033824
Influence of the dietary protein deficiency on the protein synthetic activity of microsome and *soluble* **fraction** from muscle and liver of rats. 035297
On the determination of *soluble* **humic** substances in fresh waters. 041284
The biological transformation of *soluble* **humic** substances in Tjeukemeer, the Netherlands: a preliminary report. 041286
Evaluation of methods for preserving the levels of *soluble* **inorganic** phosphorus and nitrogen in unfiltered water samples. 041352
Studies on biosynthesis of *soluble* **lens** crystallin antigens in the chick by isoelectric focusing in thin-layer polyacrylamide gel. 033888
Influence of the products of phospholipolysis of phosphatidylcholine on **micellar** *solubilization* of fatty acids in the presence of bile salts [Sheep, feeding]. 034345
Micellar *solubilization* of fatty acids in aqueous media containing bile salts and phospholipids [Sheep, feeding]. 034346
Cytoplasmic synthesis of *soluble* and **mitochondrial** malate dehydrogenase isozymes in maize. 037356
Changes in *soluble* **nitrogens** during spring growth of Cryptomeria japonica seedlings. 037922
Investigations of a model of the system montmorillonite + *water-soluble* **organic** substances [Soil formation]. 040827
Solubilization of a **phosphorite** with ammonium bisulphate in a solid state. 040868
Isolation and fractionation of *water-soluble* **polysaccharides** from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032710
The structures of *water-soluble* **polysaccharides** isolated from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032712
Technologica supply of *water-soluble* **polysaccharides** of grapes. 033462
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to *water-soluble* **products** by microorganisms [Environmental contamination]. 039557
Effect of alkaline cations on the electrophoretic spectrum of *water-soluble* **proteins** of tomato leaves. 037861
Soluble **proteins** and hydrolases during crown-gall [Agrobacterium tumefaciens] induction in the tomato, Lycopersicon esculentum. 038858
Relationships between the denitrification capacities of soils and total, *water-soluble* and **readily** decomposable soil organic matter. 040802
Investigations into some soils of Cuba with regard to the accumulation of *soluble* **salts.** 040555
Selective *solubilization* with sodium deoxycholate of membrane proteins from Spiroplasma citri [Plant pathogenic mycoplasma-like bacteria]. 038890
Effect of excess hydraulic pressure on yield and composition of *water-soluble* **substances** extracted from larch wood. 035807
Fat-soluble **vitamins:** where we are and where we should go. 032280
Studies of comparative bioavailability of *water-soluble* **vitamins:** A new method. 032311
The influence of the degree of polymerisation of **water** *soluble* carbohydrates on their loss during hay drying in the field. 033589
Separation of *water-soluble* and **water-insoluble** saponins from rhizones of Dioscorea deltoidea. 036774

SOLUTION

Effect of alkaline and **acid** *solutions* on insecticidal activity of Bacillus thuringiensis [Bombyx mori]. 039210
Kinetics of the alkaline degradation of different types of [cotton and wood] cellulose on treatment with highly concentrated **alkali** *solution.* 035790
Gamma-irradiation of lima bean protease inhibitor in dilute **aqueous** *solutions.* 037826
Redox dependence of papain enzyme activity on charged kaolinite surfaces and in *solution* **[Clay** minerals]. 040801
Sodium hydroxide treatment of barley straw; effect of volume and concentration of *solution* on **digestibility** and intake by sheep. 034276
Calcium localized in juxtanuclear granules of epiphyseal chondrocytes with a dilute glyoxal bis(2-Hydroxyanil) *solution[Chick* **embryos].** 033842
Soil potassium relationships as indicated by *solution* **equilibrations** and plant uptake [Maize]. 040773
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated **ergosterol** *solutions* and sunlight intensity. 032465
Dispersion of clays in **ethanol** *solutions.* 040760
Purification of phosphoric acid with methanol and ammonia *[solution* **fertilizer** production]. 040992
A kinetic study of phosphorus absorption by excised maize roots from **flowing** *solutions* with different phosphorus concentrations. 037366
Problem: how to erase a $500,000 deficit; *solution:* a **free** flow dining program. 032567
Integrated *solution* of water management problems on the Lubanskaia Lowland. 041259
Joint *solution* of problems of complex mechanization of forest tasks. 035789
Problem: how to offer low cost meals; *solution:* **mandatory** meal tickets. 032569
Results concerning the behaviour in exploitation of some irrigation systems, based on **modern** *solutions,* in southern Baragan and in the Oltenia plain. 041418
The effects of removal of sodium ions from the **mucosal** *solution* on sugar absorption by rabbit ileum. 033815
Solution of **phenoprognostic** problems by combining phenological curves with the annual temperature dynamics [Climate]. 031130
Different effects of polylysine and polyarginine on the transition to a condensed state of DNA in **polyethyleneglycol/salt** *solution* [Calves]. 033792
Problems relating to the measurement of near surface drift currents and a **possible** *solution*—the Tethered Drogue current meter [Water quality]. 041317
Farm cooperatives, the only *solution* for the **problem** of living costs. 031373
Production of a crystal clear, bland tasting **protein** *solution* from cheese whey. 032956
Hydrogen peroxide alteration of whey protein in skim milk and whey **protein** *solutions.* 032994
Potassium in an arid loessial soil: characterization by equilibrium release-absorption to strong **salt** *solutions.* 040767
Fibril formation in *solutions* of **solubilized** collagen [of cattle skin]. 033824
The influence of intracoelomal injections of *solutions* and **suspensions** on the phagocytosis with larvae of the wax moth, Galleria mellonella (L.). 039644
Problem: how to improve employee morale; *solution:* **switch** to a four-day week. 032568

SOLVENT

Petroleum hydrocarbon toxicity studies. VIII. Animal and human response to vapors of "140 degrees flash **aliphatic** *solvent".* 035444
Effect of **glycerol** *solvent* on the activity of deep-frozen bull [semen] ejaculates. 034854
Influence of *solvents* on **isomerization** in the hydrogenation of cottonseed oil. 033211
Potentials of **organic** *solvents* in finishing of cottons. 033180

Petroleum hydrocarbon toxicity studies. VI. Animal and human responses to **vapors** of "60 *solvent".* 035442
Petroleum hydrocarbon toxicity studies. VII. Animal and human response to **vapors** of "70 *solvent".* 035443

SOMATIC
The interpretation of *somatic* **cell** counts in milk [Sanitation]. 031968
The development of an automated analytical system for the determination of *somatic* **cells** in milk [Quality, sanitation]. 031966
Chemical induction of chromosome aberrations in *somatic* **cells** of Drosophila melanogaster. 039878
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and *somatic* **embryogenesis** in Antirrhinum majus tissue and cell cultures. 037775
Induced *somatic* pairing in Nigella sativa L. [Chromosomes]. 036459
Neuronal activity in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of **peripheral** *somatic* nerves. 034132
Somatic **polyploidy** in tissue development [Insects]. 039932
The autonomous function of germ plasm in a *somatic* **region** of the Drosophila [melanogaster] egg. 039735
Nonnuclear mutations in sunflowers. III. **Unusual** *somatic* segregation of plants with variegated leaves. 036684

SOPHORA
Study of the alkaloids of *Sophora* **alopecuroides.** 036901

SORGHUM
Tissue cultures of maize, wheat, rice & sorghum. III. Growth & nutrition of root cultures of maize, wheat & *sorghum* in **agitated** liquid media. 037456
Chromosome associations at pachytene in the interchange heterozygotes of *Sorghum* **bicolor.** 036405
Effects of water stress on the ultrastructure of leaf cells of *Sorghum* **bicolor.** 037520
Effect of foliar application of chemicals on the survival of plant pathogens in the rhizosphere of two crop plants *[Sorghum,* **Crotalaria** juncea]. 038683
Disposition of fertilizer nitrate applied to a swelling clay soil in the **field** *[Sorghum].* 040997
Comparison of the digestibility of various *sorghum* **grain** varieties [Beef cattle]. 034439
Corn and **grain** *sorghum* performance tests, 1976 [Varieties, yields]. 038141
Tissue cultures of maize, wheat, rice & *sorghum.* II. **Growth** & nutrition of callus cultures. 037455
Tissue cultures of maize, wheat, rice & *sorghum.* III. **Growth** & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Roundup—the end of perennial weeds *[Sorghum* **halepense,** Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. 039104
Tissues cultures of maize, wheat, rice & *sorghum.* I. **Initiation** of viable callus & root cultures. 037458
Detection of seed-borne fungi in *sorghum* and **location** of Fusarium moniliforme in the seed. 038789
Sorghum **midge** [Contarinia sorghicola] pest management in the San Joaquin Valley. 039267
Here come the **new** *sorghums* [Varieties]. 038041
Head fungi [Curyvularia lunata] of *sorghum,* **phytotoxins** andtheir effects on seed germination. 038690
Studies on CO2 [carbon dioxide] uptake and CO2 evolution in each part of crop plants. III. Variation of photosynthetic rate in different part of laf on rice, corn and *sorghum* **plant.** 037544
Antitranspiration agents employed with irrigation: efficiency and **possibilities** of use *[Sorghum].* 041341
Sorghums that **resist** greenbugs [Schizaphis graminum]. 039256
Corn and *sorghum* as **silage** crops under partial irrigation. 041281
The results of studying bacterial diseases of *sorghum* on the **Stavropol** area. 038873
Tissue cultures of maize, wheat, rice & *sorghum.* IV. **Studies** of organ differentiation in tissue cultures of maize, wheat & rice. 037457
Effect of urea and ammonium sulphate applied before sowing on sudangrass *[Sorghum* **sudanese]** seedlings. 040993
Sudangrass *[Sorghum* **vulgare** sudanense] in the Tambov Region [Yields, culture]. 038064

SOROSPORIUM
Sorus ontogeny and sporogenesis in some smut fungi [Ustilago and *Sorosporium* on **Gramineae].** 038577
Glume of maize Zea mays L. Male inflorescence damaged by *Sorosporium* **reilianum** (Kuehn) Mc Alpine. 038580

SORT
Appraisal of the soundness of *sorter* **estimates** [Forest products, standards]. 035868
Mass *sorting* of mechanically harvested tomatoes. 033448
Effect of grape harvesting and *sorting* **methods** on keeping quality. 033458
On the effect of the speed of lengthwise-displaced sawlogs on parameters of **power** *sorting.* 035814

SOUND
Dry filtering systems for **bacteriologically** *sound* powder recovery [Air pollution from manufacture of dried milk]. 041623
Semispecies of Drosophila athabasca distinguishable by **malecourtship** *sounds.* 039733
The response characteristics of the tympanal organs of two species of bush cricket [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of *sound* **transmission.** 039832

SOW *see* SWINE

SOWING
The effect of *sowing* **date** and season on the development and yield of navy beans (Phaseolus vulgaris) in south-east England. 038388
Use of the **"direct** *sowing"* method for planting a grove of almond trees [Prunus amygdalus, costs]. 038242
Yield increase through identification of the most **favourable** *sowing* time [Rice]. 038187
Time of *sowing* **fiber** flax. 038077
About gene banks and storage for *sowing* **[Field** crops]. 036698
Effect of *pre-sowing* **gamma** irradiation (60Co) [cobalt isotope] on yield development of earliest red radish (Raphanus sativus sub. var. radicula). 038226
Celery yield increased by *sowing* **germinated** seeds. 038360
The influence of date of *sowing* on the **incidence** of tip-rot [Phoma] and fibre yield of mesta [Hibiscus cannabinus]. 038665
Sowing of **jack** pine [Pinus banksiana] seeds: results of five year period. 035646
The relative advantage of *sowing* **large** seeds of cucumbers. 038348
Influence of seed rate and *sowing* **method** on some quantititative characters in mash [Grain]. 038230
Effects of the date of *sowing* of **Mironovskaia** iubileinaia and Kavkaz varieties [of winter wheat on the yield and its quality]. 038192
Canadian report on *sowing* **[oil** plants] in the USSR. 038162
Dates, methods and rates of *sowing* **orchardgrass** [Dactylis] for seed. 038056
Effect of electro-spark threshing on the *sowing* **qualities** of wheat seed. 038178
The *sowing* **rates** of hemp seeds. 038076
Diversify cropping pattern in rabi by *sowing* **raya** [Leguminous oil crop]. 038124
The *sowing* of **seed** kenaf with broad interrow spacings. 038075
The optimum timing and ways of fall plowing for **subsequent** *sowing* of sunflowers. 038200
Effect of urea and ammonium sulphate applied before *sowing* on **sudangrass** [Sorghum sudanese] seedlings. 040993
A *sowing* **trial** with Scots pine [Pinus sylvestris] seed of different provenances. 035632
The frequency of *sowing* **wheat** in crop rotations and the quality of grain [in the Far East of USSR]. 038199
[Sowing of **winter** wheat] after different preceding crops. 038210
[Sowing **winter** wheat] after a clean and planted fallow. 038211
The advantages of mulch planters [for *sowing* **winter** wheat]. 040547

SOYBEANS
Preparation of protein isolates and concentrates by physico chemical methods. Industrial procedures **applied** to *soybean.* 033296
Adsorption of microbial beta-amylase on starch [from *soybean,* **barley,** potato]. 033141
What you should know about your **biggest** *soybean* competitor [Marketing]. 031721
Variability of floral characteristics influences honey bee [Apis mellifera] visitation to *soybean* **blossoms** [Pollination, floral biology]. 037394
Stability and specificity of protein-protein interactions: the case of the trypsin-trypsin inhibitor **complexes** *[Soybeans].* 037481
Golden beans from China now our no. 1 cash **crop** *[Soybeans].* 038183
Soybean **cultivation** in stubble, under irrigation in Dobrudsha. 038120
Oxidized phosphatidylcholines from **defatted** *soybean* flakes taste bitter. 033252
1,1,2-trichloro-1,2,2-trifluoroethane for oilseed extractions [Full fat and **defatted** *soybean* flake]. 033260
Effects of **dietary** *soy* or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. 034410
Salt supplementation of *corn-soy* **diets** for swine. 034415
U.S. *Soybean* **economy** in the 1980's [Forecast]. 031810
Soybean **entomology** [Pests]. 039258
Effect of soybean meal, **extruded** *soybeans* and ground, raw soybeans on the performance of White Leghorn layers. 034494
Studies on Tempeh **[fermented** *soybean* food]. I. Processing and nutritional evaluation of Tempeh from a mixture of soybean and groundnut. 033270
Amino acid composition in *soybeans,* depending on **fertilizer** application. 037531
Study of acceptability of fortesan nutriment (milk with *soya* **flour)** by the infantile population of Curico, Chile. 032312
A sugar-free formula for regular and high-protein breads **[Wheat flour,** *soy* **flour].** 033189
Production of high-protein quality pasta products using a *semolina-corn-soy* **flour** mixture. II. Some physicochemical properties of the untreated and heat-treated corn flour and of the mixtures studies. 033208
Development of high protein bread. II. *Soya* **flour** utilisation. 033266
Selenium content of *soybean* **foods.** 032342
Multiple seedling development in *soybeans* **[Genetics].** 036571
Soy-fortified **gluten-free** bread. 032310
Chemical mutagenesis in *soybean* **(Glycine** max (L.) Merrill) using ethyl methanesulphonate and hydroxylamine hydrochloride. 036596
Contribution of symbiosis to the nitrogen needs of *soybean* **(Glycine** max L. Merr.). 037334
Studies on selected hosts of Rotylenchulus reniformis and its pathogenicity to *soybean* **(Glycine** max) [Nematodes]. 039045
Modern technologies applied in Romania in order to obtain *soybean* **grams** with a high protein content. 033291
Studies on Tempeh [fermented soybean food]. I. Processing and nutritional evaluation of Tempeh from a mixture of *soybean* and **groundnut.** 033270
A colchicine induced diploid from a **haploid** *soybean* twin. 036568
A new **Illinois** *soybean* beverage: tasty, smooth, nutritious, and economical. 033240
The role of peroxidase and polyphenoloxidase systems in relation to charcoal rot disease of *soybean* **incited** by Macrophomina phaseolina. 038666
Short internode character in *soybeans* and its **inheritance.** 036456
Pest management: concept to practice [Cotton, *soybeans,* **insect** pests, control]. 039282
[Growing] *soybeans* under **irrigation** in the region east of the Volga. 041462
Yields of 2900 **kg** *soybeans* per acre under without irrigation conditions. 038122
Organizing mechanized harvesting of *soybeans* and **kidney** beans. 040523
Soybean **lecithin** processing unit operations. 033259
Tryptophanyl circular-dichroic band in *soybean* **leghemoglobin.** 037407
The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in *soybeans* **[Macrophomina** phaseolina, charcoal rot]. 038774
Pollen movement within and between rows to **male-sterile** *soybeans.* 036437
Equal rights for *soybeans* **[Marketing].** 031730
Demand for *soybean* **meal** in Denmark. 031576
Source and level of phosphorus for growing-finishing swine [in *barley-soybean* **meal** diets]. 034416
Effect of *soybean* **meal,** extruded soybeans and ground, raw soybeans on the performance of White Leghorn layers. 034494
An unusual **miniature** *soybean* [F2 generation]. 036420
Glycine canescens F. J. Herm., a wild relative of the *soybean* **[Morphological,** cytological, and certain chemical characteristics]. 036301
A wild relative of the *soybean.* Of the **nine** currently knownspecies in the Glycine genus, the most unusual is Glycine falcata, a native of Australia. 036023
Good market climate **nurtures** *soy* industry growth. 031593
Soy **oil** faces stiff competition [Marketing]. 031731
Rigid polyurethane foams from diethanolamides of carboxylated [linseed and *soybean]* **oils** and fatty acids. 033258
Soybean **outlook:** bearish. 031916
Changes in lipid components of miso-dama koji *[Soybean* **pastes,** yeasts]. 033264
Aseptic culture of *soybean* and **peanut** embryonic axes to improve phytosanitation of plant introductions [to control virus diseases]. 038939
Green Revolution and mineral nutrient removal [from the soil] by wheat under different crop rotations *[Soybeans,* **pearlmillet,** cotton, maize]. 040657
Melanin like compound in the sclerotia of Macrophomina **phaseolina** *[Soybeans].* 038698
The effect of inoculation [with nodule bacteria] on the assimilation of hardly accessible sources of **phosphorus** by *soybeans.* 037960
Purificaton and characterization of RNA polymerase I from a higher **plant** *[Soybeans].* 037363
Reaction of *soybean* **plants** to the overmoistening of soil. 037575
Modification of a self-propelled plot combine for harvesting hill **plots** of *soybeans.* 040462
An investigation into the study of phosphorus nutrition of *soybeans* in **pot** tests using P32 [phosphorus isotope]. 040858
Simplified equipment for desolventizing, toasting, drying and cooling in one apparatus for **processing** of *soybeans.* 033297
Soy-ogi: **protein** fortified Nigerian maise beverage. 032674
Spinnability of yeast [Saccharomyces cerevisiae] protein and its viscoelastic properties [in comparison with commericalcasein and *soy* **protein].** 032846
Ruminal properties and plasma free amino acids of cows fed purified diets containing urea or *soy* **protein** together with rice straw. 034425
The structure, physical and chemical properties of the *soybean* **protein** glycinin. 037365
Soy **proteins** in confectionery products. 032775
Nutritional value of starchy food with addition of *soybeans* **[Rats].** 032453
Soybean as a **raw** material in the food industry. 033293
Effect of soybean meal, extruded soybeans and ground, **raw** *soybeans* on the performance of White Leghorn layers. 034494
New variety **rundown** *[Soybeans].* 038156
Neutral polysaccharides in *soy* **sauce.** 033248

Participation of Amadori rearrangement products and carbonyl compounds in oxygen-dependent browning of *soy* **sauce** [during storage]. 033253
Oklahoma searches for drought-resistant *[soybeans]* **seed.** 038157
Qantitative content of total polar lipids in *soybean* **seeds.** 033257
[Mechanical damage] to *soybean* **seeds** [at harvesting]. 038209
The protein value of *soy* with a **standard** layer PDI [protein dispersibility index] number. 033275
The influence of various forms of nitrogen and bacterization on the growth and development of *soybean* under **sterile** pot experiment conditions. 037577
Inheritance of resistance to cowpea chlorotic mottle virus (soybean **strain**) in *soybeans.* 038895
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, *soybeans,* **sunflowers,** Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Super *soybeans* snowball. 032677
Evaluation of roasted corn and *soybeans* for **swine.** 034469
Behavior of **ten** *soybean* varieties in different environments of Rio Grande do Sul State. 038005
Influence of osmotic potential on the growth and development of *soybean* **tissue** cultures. 037391
Growth and development of *soybean* cv. **TK5** as affected by tropical daylenghts, day/night temperatures and nitrogen nutrition. 037345
Field crops performance tests cotton-forage crops summer annuals, *peanuts-soybeans,* **tobacco,** 1975 [Varieties, yields]. 038142
Comparison of oxalic acid and phosphoric acid as degumming agents for [rapeseed, *soybean]* **vegetables** oils. 033254
Inheritance of resistance to cowpea chlorotic mottle **virus** *(soybean* strain) in soybeans. 038895
1975 **Wisconsin** *soybean* variety test. 037943
Trace elements and the *soybean* **yield.** 041136

SPACECRAFT

Automated land-use mapping from *spacecraft* **data.** 031210

SPACING

Vegetative and reproduction habits of castorbean (Ricinus communis) as affected by the nutrient **area** *[Spacing].* 038556
Close *spacing* in wheat pays. 038027
The quantitative analysis of flora: *Spatial* **diversity,** the level of specific richness and representativity of sampling areas. 035985
The sowing of seed kenaf with broad **interrow** *spacings.* 038075
Economic examination of vintage in a *wide-spaced* **large-scale** vineyard. 038225
Optimum plant size and location: a case for separable programming [Cost anaysis, *spatial* **markets** in agricultural economics]. 031415
Pattern of dry matter accumulation and distribution in finger millet genotypes in relation to levels of *spacing* and **nitrogen.** 038084
Effect of *spacing* and **phosphate** fertiliser on forage and seed yield of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883
Effect of plant density and row width on yield and quality of sugarbeet drilled to a stand. I. Stimulated **plant** *spacing.* 038218
Effect of plant density and row width on yield and quality of sugar beet drilled to stand. II. **Plant** *spacing* by drilling to a stand. 038219
Which **row** *spacing* is preferred for autumn oil plants? 038170
Various **seed** *spacings* in beets drilled to a stand. 037593
Spatial **variation** of the snow cover height and the depth of freezing of Grey forest soils under conditions of Pridesnyanskaya highland. 040745

SPALANGIA

Filth fly [Musca domestica] sources in decaying melon fields in southern California's low deserts *[Spalangia,* **biological** control]. 039323

SPAN

The most appropriate moisture content of [vegetable, grass, legume and flower] seeds for their long **life** *span* [Viability]. 037848
Morphofunctional state of principal organ system, **life** *span,* and fertility in the domestic cricket Acheta domestica during normal imaginal development and after allatectomy. 039930
Biorhythm disturbances and the **life** *span* of some insects. 039958
Recommended **limiting** *spans* for rafters made from graded timber [Dipterocarpus]. 035757

SPAWNING

Effect of different *spawning* **methods** on the productivity of Agaricus bisporus [Mushrooms]. 037755

SPECIALIZATION

Specialization and **concentration** of the crop production at the intercooperative councils. 031369
Gradual concentration and *specialization* of **cooperative** farms, state farms and their interfarm cooperative institutions, a basic requirement of socialist intensification. 031288
Ecological *specialization* of Hawaiian drosophila. II. The community matrix, ecological complementation, and phyletic species packing. 039891
Contribution to the planned concentration and *specialization* of **feed** production [Cattle]. 038054
Efficiency of sugarbeet production under conditions of **intensified** *specialization.* 031390
Ecological conditions for the growing of grapes, their *specialization* and **microzoning** in the Dagestan ASSR. 038523
Intensification, concentration and *specialization* on the **Oberbohmsdorf** livestock production cooperative farm [Management, East Germany]. 031379
Preliminary experience in the concentration and *specialization* of **vegetable** production and the development of self-contained areas of vegetable growing. 031289

SPECIMEN

Resistance to anthracnose [Colletotrichum lindemuthianum] of introduced and **local** *specimens* of garden bean varieties under the Sofia region conditions. 038633
A **melanic** *specimen* of Harpalus (Ophonus) schaubergerianus Puel (rufibarbis auctt.) (Coleoptera, Carabidae) from Suffolk. 040009
A **new** *specimen* preparation technique for the scanning electron microscope [Soil structure]. 040582
Peculiarities of the growth and development of introduced **pea** *specimens* under north Bulgaria and Sofia plain conditions. 037829
Procedural innovations in revisionary studies: computer-assisted citation of **representative** *specimens* [Use in plant taxonomy]. 036054
A burned **wood** *specimen* from an archaeological excavation in Jerusalem. 035774

SPECTROMETRY

A new hydrolysis procedure for preparation of orange juice for trace element analysis by atomic **absorption** *spectrometry.* 033410
Gas **chromatographic-mass** *spectrometric* identification of phenylurea herbicides after N-methylation [food chemistry]. 039138
Applications of high-pressure liquid chromatography and field desorption **mass** *spectrometry* in studies of natural porphyrins and chlorophyll derivatives. 037032

SPECTROPHOTOMETRY

Microspectrophotometric **analysis** of DNA replication in Eudorina elegans (Volvocales, Chlorophyta) [Algae]. 036339
Spectrophotometric **analysis** of the preparation psoberan [Ficus carica]. 037676
Spectrophotometric **determination** of vitamin C in citrus fruits using peri-naphthindan-2,3,4-trione. 032245
A method for the *spectrophotometric* **measurement** of chlorophyll a and pheophytin a in benthic microalgae. 037086
A **rapid** *spectrophotometric* method for the monitoring of embryonic development in ticks [Boophilus decoloratus] (Acarina: Ixodoidea). 039893
Spectrophotometric **study** of alkylation of sodium xanthogenate of cellulose by dimethylsulfate. 035819
Quantitative determination of saccharin [as a sweetener] in food products by **ultraviolet** *spectrophotometry.* 032853
Analysis of greening in virescent mutants of maize by in **vivo** *spectrophotometry.* 037381

SPECTROSCOPY

Prospects of the use of the **fluorescent** *spectroscopy* method to evaluate the potential productivity of wheat varieties. 037574
Studies and considerations on the influence of insecticides on the process of autoxidation. VII. **Infrared** *spectroscopic* changes of lipids due to Autoxidatin and their evaluation. 039540
Structural and dynamical studies of mixed [spinach] chlorophyll/phosphatidylcholine bilayers via X-ray diffraction, absorption **polarization** *spectroscopy* and nuclear magnetic resonance. 037656
Chemical, *spectroscopic,* and **thermal** methods for the classification and characterization of humic substances. 040623

SPECTRUM

Ultraviolet and visible **absorption** *spectra* of humic systems. 040638
Amino **acid** *spectrum* of three Xylariaceous fungi [Hypoxylon haematostroma, Rosellinia petrakii, Xylaria dealbata]. 038672
Method of *spectral* **analysis** in veterinary medicine. 034935
Spectral **analysis** techniques for evaluating historical water quality records. 041324
Chromatographic isolation and *spectral* **analysis** of polycyclic quinones application to air pollution analysis. 041520
CD *spectral* comparison of porcine proinsulin C-peptide and several fragments of its sequence. 033919
Spectral and **chemical** characterization of fungal [Sporormiaaffinis] metabolite LL-N313zeta. 037066
The pigment fund of [pea] chloroplasts as a function of the *spectral* **composition** of light. 037867
Crystallographic data and circular **dichroism** *spectrum* of lipase from Geotrichum candidum Link [Fungi]. 036328
Effect of alkaline cations on the **electrophoretic** *spectrum* of water-soluble proteins of tomato leaves. 037861
The **energy** *spectrum* of a relatively large kilocurie 60Co [cobalt isotope] source used in agriculture. 031087
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by low temperature **fluorescence** *spectra* of chloroplasts and fragments [Maize]. 037405
Broad-spectrum and *narrow-spectrum* **herbicides**—a need for both. 039133
Intrapopulation variability of **isozyme** *spectrum* of peroxydases in varieties of inbred lines of radish. 036521
Effect of **light** *spectrum* on the growth and sporulation of two strains of Choanephora cucurbitarum. 038685
Broad-spectrum and **narrow-spectrum** herbicides—a need for both. 039133
Character of *ultraviolet-spectra* of **native** DNA and DNA after acidic and alkaline denaturation depending on degree of plant supply with manganese ions. 036932
Diversity in the anionic **peroxidase** *spectra* of linecross radish hybrids. 036669
Pollen *spectrum* of some Dutch honeys. 032715
Pollen *spectrum* of some Dutch honeys. 032716
Spectra of **protein** synthesis in dividing and mature cells of maize root. 037432
Infrared and **Raman** *spectra* [for identifying organic compounds] of maltooligosaccharides [in cereals]. 033204
Spectral **reflectance** studies on healthy and fungus-infected cotton and corn plants in Egypt. 038757
Electron spin **resonance** *spectra* of chicken hepatoma and liver tissue. 033702
Spectral **signature** selection for mapping unvegetated soils. 040787
Ecological **soil-botanical** *spectra* of Solonetz soil complexes of the Turgai Valley. 036253

SPERM

The *sperm* **acrosome** reaction and fertilization in the guineapig: a study in vivo. 034701
Developing the technology for obtaining **boar** *sperm* aseptically. 034866
Use of certain anti-bacterial agents in storing **boar** *sperm.* 034869
Adenine nucleotide changes at initiation of **bull** *sperm* motility. 034665
Lack of an effect of caffeine on repair systems in oocytes of Drosophila melanogaster following treatment of **mature** *sperm* with alkylating agents. 039879
Studies on whole semen and epididymal contents in a bull with low **post-thawing** *sperm* motility. 034767
Studies on the liquid preservation of rooster and **turkey** *sperm.* 034838

SPERMATOCYTE

Visualization of gene transcription in *spermatocytes* of **Drosophila** hydei. 039679

SPERMATOZOA

Biology of the *spermatozoon* of **Apis** mellifera. I. Influence of diluents and pH [hydrogen-ion concentration]. 040243
The binding of labelled basic proteins by **boar** *spermatozoa.* 034695
Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of **bovine** *spermatozoa* frozen in French straws. 034664
The distribution of calcium in **bovine** *spermatozoa* and seminal plasma in relation to cold shock. 034696
Changes of antigene properties of the **bovine** *spermatozoa* during their maturity in the epididymis and ejaculation. 034805
Aging of **bull** *spermatozoa* during extended storage. 034637
Effects of carnitine on oxygen uptake and utilization of (U-14C) [uranium-carbon isotope] palmitate by ejaculated **bull** *spermatozoa.* 034683
Evaluation of the use of the shortened vagina in collecting **bull** *spermatozoa* at the breeding center of Nove Mesto nad Vahom. 034856
Induction of morphological changes and the effect of induced changes on the fertilizing capacity of **cock** *spermatozoa.* 034650
Comparison of neutral proteinase activities in cock and ram spermatozoa and observations on a proacrosin in **cock** *spermatozoa.* 034681
The action of small radiation doses on *spermatogenesis* [**Dogs,** radiation injuries]. 034792
Abnormal shapes of **drake** *spermatozoa* nucleus. 034851
The effect of vinblastine on *spermiogenesis* in **Drosophila** melanogaster: evidence for two functional classes of cytoplasmic microtubules. 039865
The fertilizing capacity of **epididymal** *spermatozoa* in the pig. 034697
Artificial insemination with *spermatozoa* in **formaldehyde** [Sheep, swine]. 034679
In-vitro fertilization of hamster eggs in different media and the stimulating effect of heterologous and **homologous** *spermatozoa.* 033640
Some ultrastructural aspects of *spermatogenesis* in **Lycopodium** complanatum. 036351
New method of hygienic removal of *spermatozoa* in the **operation** of cattle breeding stations. 034859
Comparison of neutral proteinase activities in cock and **ram** *spermatozoa* and observations on a proacrosin in cock spermatozoa. 034681
The effects of high tris, low glycerol and low tris, high glycerol on frozen **ram** *spermatozoa.* 034799

A comparison of in-vitro fertilization of rabbit eggs using *spermatozoa* **recovered** from the uterus or vagina. 034677
Comparative effects of niridazole on *spermatogenesis* and **reproductive** capacity in the mouse, rat and Japanese quail. 034680

SPERMATOZOID
Simultaneous and differential staining of *spermatozoids* and **especially** of the acrosome by the reacting dyes procion printing green B and procion brilliant red M8BS. 034609
Effect of water crystallization on *spermatozoids* during **freezing** of [stallion] semen. 034808

SPHACELOMA
Effect of different carbon sources on growth, sporulation and production of toxic metabolite in culture of *Sphaceloma* **curcumae** [Curcuma longa]. 038682

SPHACELOTHECA
A new smut *[Sphacelotheca* **schweinfurthiana]** of sugarcane. 038721
Possible occurrence of physiologic forms of *Sphacelotheca* **sorghi.** 038705

SPHAEROCERIDAE
Leptocera (Opacifrons) moravica sp. N. From Czechoslovakia **(Diptera,** *Sphaeroceridae).* 039980

SPHAEROPSIS
Apple black rot *[Sphaeropsis* **malorum]** in orchards under intensive cultivation. 038786

SPHAEROTHECA
Temperature effects on cleistothecium formation of cucurbits powdery mildew *[Sphaerotheca* **fuliginea].** 038664
Studies on the interaction between bottle-gourd mosaic virus and powdery-mildew fungus, *Sphaerotheca* **fuliginea.** 038913
Formation of cleistothecia in *Sphaerotheca* **mors-uvae** [Mildew, currants]. 038819

SPHAGNUM
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the rain and in pools on the Silver Flowe National Nature Reserve [Water analysis, *Sphagnum* **cuspidatum].** 041351
Growth measurements of **five** *Sphagnum* species in South Norway [Musci]. 037139
Recurrence surfaces in Rusland Moss, Cumbria (formerly north Lancashire) [Calluna, *Sphagnum,* **musci].** 036223

SPHENOPHORUS
Differential reaction of Kentucky bluegrass [Poa pratensis] cultivars to the bluegrass billbug, *Sphenophorus* **parvulus** Gyllenhal. 039273
Bluegrass billbugs *[Sphenophorus* **parvulus]** and their control. 039358

SPHERE
Proposal for formation of relations between plant and livestock production in the *sphere* of the **liquid** manure industry. 041002
Bearings of modern enology in the *sphere* of **mechanized** vinification with autovinificators. 033326
Heat transfer through layers of agricultural products of near *spherical* **shape.** 032746
Small *spherical* virus particles found in rice plants infected with the "waika" disease. 038885

SPHEROPLASTS
An election-microscopic and biochemical study of the *spheroplasts* of the **blue-green** alga Anabaena variabilis. 037114

SPHINGIDAE
Moths of the **families** *Sphingidae,* Notodontidae and Agaristidae observed in Ku-ring-gai Chase National Park, New South Wales. 039985

SPHINX
The lesser **vine** *sphinx* [Pholus fasciatus]. 039811

SPICES
A **dash** of *spice.* 032627
Fatty acid compostion of **lipids** of some *spices.* 032790
Are there residue **problems** with *spices?* 039541
Horseradish, **a** terribly **sharp** *spice.* 033369

SPIDERS
The control system of homing in the *spider* **Agelena** labyrinthica (Cl.). 039957
The **Australian** *spider* beetle (Ptinus tectus) [Pests of stored products]. 039430
Population trend and time of activity of **certain** *spiders* (Araneida), collected from clover foliage in Egypt. 039262
An index to the insects and *spiders* **featured** on Audubon's bird plates. 040039
Notes on the biology and geographical distribution of *spiders* of the **genus** Loxosceles. 039992
A revision of the *spider* **genus** Loxosceles Heinecken & Lowe, 1835 (Araneae: Scytodidae) in southern Africa with notes on the natural history and morphology. 040096
Bite by the *spider* **Herpyllus** ecclesiasticus in South Carolina. 039941
The effect of insect growth regulators (IGR) on *spider* **mites** and predaceous mites [Tetranychus urticae, Phytoseiulus persimilis]. 039248
Ageing and histological degeneration of females of *spider* **mites** (Tetranychus urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
Further notes on the *spiders* of **New** Guinea. II. (Araneae, Tetragnathidae, Theridiidae) [New taxa]. 040171
Effect of the host plant [kidney bean] nutrition on the population of the two **spotted** *spider* mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329
Resistance to acaricides of outdoor populations of the fruit **tree** *spider* mite Panonychus ulmi (Koch) on grapes. 039369
The relationship between the distribution of *spider* and **vegetation** cover in the middle taiga of the Ural region. 039696
Studies on the embryology and morphology of the **whip** *spider,* Tarantula marginemaculata C. L. Koch (Arachnida, Amblypygi, Tarantulidae). 039951
Insects and *spiders* from **year-old** galls caused by Eurosta solidaginis Fitch (Diptera: Trypetidae) on goldenrod, Solidago canadensis L. 039233
Predatory behavior of the **zebra** *spider,* Salticus scinicus (Araneae: Salticidae). 039665

SPIKE
The biological significance of PGO [ponto-geniculo-occipital] *spikes* in the **sleeping** cat. 033712

SPILLWAYS
A laboratory evaluation of trash racks for drop inlets [to prevent plugging of **closed-conduit** *spillways* that release waer from floodwater-retarding resevoirs]. 040539

SPIN
Comparison to continuous **cotton** *spinning* plants with special reference to OE spinning. I. 033276
Electron *spin* resonance spectra of chicken hepatoma and liver tissue. 033702
Study of the self-diffusion of water in biological objects by the method of **nuclear** *spin* echo using pulse gradient of the magnetic field [Plants, mice]. 033879
Comparison to continuous cotton spinning plants with special reference to **OE** *spinning.* I. 033276

SPINACH
Alpha-glucose 1-phosphate, a precursor in the biosynthesis of maltose in higher plants [Gentiana lutea, *spinach,* **Acer** pseudoplatanus]. 037303
Purification and properties of S-adenosyl-L-homocysteine hydrolase from leaves of *spinach* **beet.** 037640
Cryoprotective leaf proteins *[Spinach,* **cabbage].** 037651
Energy-dependent release of adenine nucleotides tightly bound to chloroplast coupling factor **CF** *[Spinach].* 037695
A combined procedure for preparation of plastocyanin, ferredoxin and **CF1** *[Spinach].* 037820
Structural and dynamical studies of mixed *[spinach]* **chlorophyll/phosphatidylcholine** bilayers via X-ray diffraction, absorption polarization spectroscopy and nuclear magnetic resonance. 037656
Properties of *spinach* **chloroplast** fructose-1-6-diphosphatase. 037808
Relative thermostability of the *[spinach]* **chloroplast** envelope. 037817
Synthesis of sluble, thylakoid, and envelope membrane proteins by *spinach* **chloroplasts** purified from gradients. 037641
Studies on the slow fluorescence decline isolated **chloroplasts** *[Spinach].* 037657
Effects of aging on chlorophyll fluorescence and photosystem II electron transport in isolated **chloroplasts** [of *spinach].* 037672
Absorption and metabolism of CrO4 [chromate anion] by isolated **chloroplasts** [of *spinach].* 037801
Cytochrome b-563 redox changes in intact CO2- [carbon **dioxid]-fixing** *spinach* chloroplasts and in developing pea chloroplasts. 037652
Spinach 4th **ed.** Rev. 032542
Primary reactions of photosystem II at low pH [hydrogen-ion conentration]. I. Prompt and delayed **fluorescence** *[Spinach].* 037654
Chloroplast growth and replication in **germinating** *spinach* cotyledons following massive gamma-irradiation of the seed. 037811
Maltose phosphate in **isolated** *spinach* chloroplasts. 037696
Photosynthetic CO2 [carbon dioxide] assimilation in maize and *spinach* **leaves** and chloroplasts. 037446
Manganese stimulation of oxygen consumption in *[spinach,* **maize]** chloroplasts with dibromothymoquinone. 037406
Relations between the electrical potential, pH [hydrogen-ion concentration] gradient, proton flux and phosphorylation in the photosynthetic **membrane** *[Spinach].* 037655
Reaction kinetics for positive charge accumulation on the water side of chloroplast **photosystem** II *[Spinach].* 037697
Distribution of protein-bound hexosamine in chloroplasts [of *spinach,* **snflower** and maize]. 037201
Fat metabolism in higher plants: production of short- and medium-chain acyl-acyl carrier protein by *spinach* **stroma** preparations treated with cerulenin. 037653
Dark oxidation-reduction coupled phosphorylation in sonicated chloroplast **vesicles** *[Spinach].* 037694
Preservation of chloroplast membranes, in **vitro** *[Spinach].* 037739

SPINDLE
The effects of muscle cooling and stretch on **muscle** *spindle* secondary endings in the cat. 033997
Analysis of activity of **muscle** *spindles* of the jaw-closing muscles during normal movements in the cat. 034071

SPINE
Post-synaptic specializations in **cat** *spinal* cord. 033878
Dog behaviour as related to *spinal* **cord** temperature. 033890
A brachial glycogen body in the *spinal* **cord** of the domestic chicken. 034068
Effect of *spinal* **deafferentation** on temperature regulation and spinal thermosensitivity in pigeons. 034127

SPIRAL
Individualizing cotton fiber by *"spiral"* **carding.** 033175
Gyrogonites of the family Characeae [algae] with anomalous **quantity** of *spirals.* 036001

SPIRALIS
Reliability of the enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of **Trichinella** *spiralis* infections in conventionally raised pigs. 035118

SPIRAMYCIN
The place of *spiramycin* in **mycoplasmosis** control in poultry. 035198

SPLEEN
Acid phosphatase in the *spleen* of **bacteria** free and conventional rats. 035288
Antibody synthesis by **chicken** *spleen* cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
Carbohydrate composition of **horse** *spleen* ferritin. 033788
Correction: **mouse** *spleen* cells cultured in homologous serum can indeed make primary antibodies to sheep erythrocytes. 034175
Adjuvant effect of lipid A obtained from Salmonella typhimurium on antibody response in **mouse** *spleen:* the role of carriers conjugated to lipid A. 035137
Correction: **Mouse** *spleen* cells cultured in homologous serumcan indeed make primary antibodies to sheep erythrocytes [Immunity]. 035199
Comparison of in vitro and in vivo cell cycle parameters of lymphoid cells in **pig** *spleens.* 033857
Origin of antibody-dependent, lymphoid-cell-independent hemolytic plaques in **rabbit** *spleen* cell cultures. 035190

SPLITTING
Inheritance of *split-corolla,* a **developmental** instability in Nicotiana [Tobacco]. 039196
Conditions for *splitting* **protodioscine,** the main glycoside from Tribulus terrestris L. by the enzymic preparation of Aspergillus niger BKMt-33 [Fungi]. 037210

SPODOPTERA
Effect of photoperiod on emergence rhythm of **adult** *Spodoptera* littoralis Boisd. (Lepidoptera, Noctuidae). 039622
Field development and quality changes in successive generations of *Spodoptera* **exempta** Wlk., the African armyworm. 039821
Replication of a nuclear polyhedrosis virus in a continuous cell culture of *Spodoptera* **frugiperda:** microscopy study of the sequence of events of the virus infection. 039866
Effect of some host plants on development and reproduction of *Spodoptera* **littoralis** (Boisd.) (Lepidoptera, Noctuidae) [Cotton pests]. 039260
Egyptian cotton leafworm *[Spodoptera* **littoralis]** on tomato [Pakistan]. 039357
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, *Spodoptera* **litura].** 039529

SPOILAGE
A survey on *spoilage* of **eggs** and death of chickens during natural hatching and rearing by hens. 034646
Spoilage in **feed** quality caused by fungi. 033514
The effect of temperature on strains of soft **fruit** *spoilage* fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Microbial *spoilage* of fresh refrigerated beef liver. 032074
A Proteus inconstans which produced 'cabbage odour' in the *spoilage* of **vacuum-packed** sliced bacon. 032072

SPONGOSPORA
Control of potato scab by cultural practices [Streptomyces, *Spongospora* **subterranea].** 038836

SPORES
A new **7-day** *spore* sampler [for collection of airborne pathogenic fungi]. 038760
The thallus and *spore* **development** of Lobospira bicuspidata Areschoug (Dictyotales: Phaeophyta). 036363
Light-induced inhibition of *sporangial* **formation** of Phytophthora infestans on potato leaves. 038583
Ultrastructural analysis of the **freeze-etched** *spore* envelope of the microsporidian, Nosema apis Zander [Disease of honeybee]. 040297
The fine structure of the *zoospores* of **Fritschiella** tuberosa Iyeng. (Chaetophorineae, Chlorophyceae) with special reference to the flagellar apparatus [Algae]. 036352
Ultrastructural changes and a second mode of flagellar degeneration during ageing of phytophthora palmivora **[Fungi]** *sporangia*. 037023
Effect of polyoxin on fungi. II. Electron microscopic observations of *spore* **germination** of Alternaria kikuchiana Tanaka. 036768
In vitro and in vivo germination of *spores* of **Marssonina** brunnea (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. 038611
Germination of Botrytis [cinerea] and Sclerotinia [sclerotiorum] *spores* in the **presence** of pollen on tobacco leaves. 038751
A wet-sieving and flotation technique for the detection of **resting** *sporangia* of Synchytrium endobioticum [potato wart disease] in soil. 038563
Variation in linear growth and sporulation of **single** *spore* isolates of Helminthosporium maydis. 038738
Three **suction-type** *spore* samplers [for collection of airborne pathogenic fungi]. 038775
The *spores* and **taxonomy** of Isoetes butleri and Isoetes melanopoda [Pteridophyta]. 035949

SPOROBOLUS
Studies on the nitrate nutrition of two indigenous Rhodesian grasses [Hyparrhenia filipendula, *Sporobolus* **pyramidalis**]. 037472

SPOROCYTES
Clustering of specific crossovers in **maize** *microsporocytes*. 036504

SPOROGENESIS
Development of the tapetum in Pinus banksiana **preceding** *sporogenesis*. 036271
Sorus ontogeny and *sporogenesis* in some **smut** fungi [Ustilago and Sorosporium on Gramineae]. 038577
Megasporogenesis and *microsporogenesis* in **Vicia** faba [Broadbeans]. 036292

SPOROPHYTES
Immunochemistry of carrageenans from gametophytes and *sporophytes* of **certain** red algae. 036855
Contribution to the study of a fern, Marsilea vestita (Marsileaceae), from the embryo phase up to the **mature** *sporophyte* phase. I. Morphological, histochemical and autohistoradiographic study of the embryo. 2. Organized embryo. 036274

SPORULATION
The effect of salinity on sexual and **asexual** *sporulation* of members of the Saprolegniaceae [Fungi]. 037320
Effect of host and nonhost crop seeds on vegetative growth and *sporulation* of **Fusarium** udum in soil [cause of wilt disease of pigeonpea]. 038684
Effect of carbon and nitrogen nutrition on the growth and *sporulation* of **Helminthosporium** speciferum [Cotton]. 038650
Influence of microelements in a *sporulation* **medium** on subsequent water requirements for germination of Verticillium albo-atrum conidia. 038694
Effect of different carbon sources on growth, *sporulation* and **production** of toxic metabolite in culture of Sphaceloma curcumae [Curcuma longa]. 038682
Variation in linear growth and *sporulation* of **single** spore isolates of Helminthosporium maydis. 038738
Effect of light spectrum on the growth and *sporulation* of **two** strains of Choanephora cucurbitarum. 038685

SPOT
Rio Bianco, a miraculously intact **beauty** *spot* [Natural resources, conservation]. 041478
Evaluation of fungicides for the control of **black** *spot* [Diplicarpon rosae] of rose. 038784
Weather conditions and airborne conidia of Helminthosporiumoryzae in west Bengal **[Brown** *spot* disease, rice]. 038667
Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in central Slovakia with Coxiella burneti and rickettsiae belonging to of the *spotted* **fever** (SF) group. 039472
The **Goodale** *white-spotted* mice: a historical report. 034675
The reaction of spring barley varieties to Selenophoma donacis [the cause of **halo** *spot* disease]. 038822
Gibberellin promotion of physiological **leaf** *spot* [non-pathogenic disorders] in detached 'Golden Delicious' apple leaves. 037793
Penetration of Zea mays [maize] by Helminthosporium carbonum **[leaf** *spot]*. 038585
Gray **leaf** *spot-resistant* Lupinus angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, Stemphylium botryosum]. 038596
In vitro and in vivo germination of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of **leaf** *spot* of Populus]. 038611
CR 17-1-34, Cercospora [cruenta] **leaf** *spot* resistant southernpea [Vigna unguiculata] germplasm [South Carolina]. 038634
Ascochyta **leaf** *spot* of papaya and its perfect state [Ascochyta caricae papayae, Mycosphaerella]. 038647
Curvularia [lunata] **leaf** *spot* of Japanese mint in India. 038649
Fungicidal control of secondary air-borne infection of brown **leaf** *spot* of rice [Cochliobolus miyabeanus]. 038652
Epidemiological observations on **leaf** *spot* (Cercospora sp.) of black gram [Mungo beans]. 038686
Influence of weather on frogeye **leaf** *spot* [Cercospora nicotianae] incidence on cigarette tobacco. 038696
Role of auxins in **leaf** *spot* incidence in ragimillet incited by Helminthosporium tetramera. 038712
Role of phenolics in **leaf** *spot* disease incidence in ragimillet incited by Helminthosporium tetramera. 038713
Leaf *spot* of tomato caused by Sclerotium rolfsii [Nigeria]. 038778
A contribution to the occurrence of **leaf** *spot* fungi on Kentucky bluegrass (Poa pratensis L.). 038835
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky **Mountain** *Spotted* Fever. 039482
Semilethal *spotted* mutants of Chlorella [vulgaris, algae]. 036527
New breeds of swine: Chester White and *Spotted* **swine.** I. Their characteristics and economic aspects. 034554
Chemical control of the **tomato** *spotted* wild virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937
Effect of the host plant [kidney bean] nutrition on the population of the **two** *spotted* spider mite, Tetranychus urticae Koch (Acarina, Tetranychidae). 039329

SPRAY
When to *spray* **cauliflower** [Pest control, chemical]. 039359
Tobacco sucker control in New Zealand using *spray-applied* **chemical** control agents. 037488
Getting laughed at. They didn't believe [Dr. Axel L.] Melander when he reported insect resistance to **chemical** *spray*. 039199
Pyrethroid **contact** *sprays* against the house fly (Musca domestica L.). 039484
Copper *spray* injury and correction of citrus maladies. 038969
Effects of SADH [Alar] **fall** *sprays* on the fruit set and yield of pear. 037837
Influence of *spray* **fertilization** combined with various herbicides on the chemical composition and technological features of wheat. 039091
Effect of *spray* **fertilization** on vitamin C content of greenpepper. 040853
Foam *sprays* of plant growth regulating chemicals on rose shoot development at cutback. 037733
Spray **freezing** and some properties of frozen [food] products. 032756
Control of garden centipede [Scutigerella immaculata] on **greenhouse** *spray* Chrysanthemums; progress report. 039332
Mode and density of planting maize as a *spray* **irrigated** catch crop. I. 038134
Experience in the management of the joint department for *spray* **irrigation** [East Germany]. 041357
Distribution of irrigation by **line** *sprays* and circular sprinklers. 040421
Three years large area control of the spruce sawfly [Pristiphora abietina] with ultralow volume **malathion** *spray* in Styria. 039377
Influence of foliar **nutrient** *sprays* on the population of Fusarium oxysporum f. melonis and other soil microflora in the rhizosphere of muskmelon. 038693
The **vibratory** *spray* washer and its application in the sugar industry. 033315
Chinoin Fundazol [fungicide] 50 **WP** *spray* [Sugarbeets, Cercosopora]. 038600

SPRAYING
Ultra-low-volume **aerial** *spraying*—a new technique in controlling forest insect pests. 039396
Stabilization of harvest of the [grape[variety Neuburger by means of inhibiting substances and *spraying* with **ammonium** molybdate. 038412
Early intervention and extinguishing of forest fires by using a diesel Campagnola truck equipped with **automatic** *spraying*. 035474
Disinfection of clay soil using the injection method *[Spraying* **equipment].** 040499
Composition of soil and coffee leaves on plantations under varying copper **fungicide** *spraying* regimes. 038823
Studies on bitter pit of apple. III. Effect of **leaf** *spraying* with different products. 038957
Studies on malaria and responses of Anopheles balabacensis balabacensis and Anopheles minimus to DDT residual spraying in Thailand. II. *Post-spraying* **observations.** 039437
Effect on lime treating, **oil** *spraying* and thermostabilization on the keeping quality of shell eggs [Chickens]. 033130
Studies on malaria and responses of Anopheles balabacensis balabacensis and Anopheles minimus to DDT **residual** *spraying* in Thailand. II. Post-spraying observations. 039437
In alkali soils **urea** *spraying* for saving nitrogen and more wheat. 040981

SPRING
Polyploidization and chromosomal aberrations induced by mutagens in the open flowering sterile mutants of *spring* **barley.** 036706
The reaction of *spring* **barley** varieties to Selenophoma donacis [the cause of halo spot disease]. 038822
On the problem of the extent and threshold of damage by powdery mildes (Erysiphe graminis f. sp. hordei) on *spring* **barley.** 038843
Leaf area and its components in *spring* **barleys.** 037337
Spring **behavior** of Polistes exclamans (Hymenoptera: Vespidae: Polistinae). 039710
The most important dicotyledonous weed species in winter and *spring* **cereal,** their regional distribution and their dependence on soil types. 039195
Radiobiological studies in Triticum [wheat]. II. Response to chronic and acute gamma irradiation of 25 ditelocentric lines of wheat cv. **Chinese** *Spring*. 036482
USDA-DHIA [Dairy Herd Improvement Association] sire summary list, *spring* 1975 **containing** sire summaries for Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking. 034580
The effect of the forest upon the frequency and occurence of slight **frosts** in *spring*. 035491
Changes in soluble nitrogens during *spring* **growth** of Cryptomeria japonica seedlings. 037922
Changes in protein amino acid composition in the seeds of an **induced** *spring* vetch mutant. 036461
Nebraska *spring* small grain variety tests, 1975. 038093
Spring **oil** plants and parasites. 039063
Content of plastid pigments in winter wheat leaves in *autumn-winter-spring* **period.** 037412
Registration of 11 germplasm lines of Centana hard **red** *spring* wheat. 036455
The flora and algal associations of **Salomon's** *Spring* (Anterselva, Bolzano): summer facies. 036019
New **sciences** *spring* up to create food "miracles" [Processing, consumer preferences]. 032919
Research concerning the number of weather-permitting work days in the *spring* for **soil** cultivation [Tillage]. 041144
Measures recommended for the cultivation of winter wheat under irrigation in *spring* 1975. 038111
Heterosis and combining ability in a *spring* **wheat** diallel cross. I. Grain yield and its components. 036378
Heterosis and combining ability in a *spring* **wheat** diallel cross. 2. Some agronomic characters. 036379
Heterosis and combining ability in a *spring* **wheat** diallel cross. 3. Fertility restoration and seed set on male-sterile wheat. 036380
Results, targets and prospects of *spring* **wheat** breeding in the southeast of the European part of the USSR. 036654
Plant height, protein percentage, and yield relationships in *spring* **wheat.** 037393
Changes in the content and composition of carbohydrates in *spring* **wheat** caused by the nitrogen fertilization. 037498
Effect of boron on the content of skeletal substances in the culms of *spring* **wheat.** 037502
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in *spring* **wheat.** 038570
The effectiveness of inorganic fertilizers applied under *spring* **wheat** in connection with its predecessors on the soils of the Buryat ASSR. 040875
Nitrogen fertilization of *spring* **wheat.** 041010

SPRINKLERS
Drying of water- and *sprinkler-stored* **beech** [Fagus]. 035732
Distribution of irrigation by line sprays and **circular** *sprinklers*. 040421
Grape response to **cooling** with *sprinklers*. 038246
Sprinkler **demonstration** in the northeastern polder [Irrigation equipment]. 040502
Additional signal system for the **district** *sprinkling* machine FREGAT. 040411
The operation of the **Fregat** *sprinkler* in the Dagestan ASSR. 040473
Sprinkler **[irrigation]** system design for operation in variable wind. 041282
Economic situation leads to master planning *[Sprinkler* **irrigation].** 041405
Selling the concept of a master plan *[Sprinkler* **irrigation** system]. 041411
Economics of irrigation in a *Sprinkler* **Irrigation** Association. 041448
The technique of *sprinkling* with **liquid** waste from livestock farms. 041277
Mobile *sprinklers* for the irrigation of sown pastures. 040471
Remote sensing instrumentation and methods used for identifying center **pivot** *sprinkler* irrigation systems and estimating crop water use. 041320
Watering of oilpalm nurseries in **polybags** by *sprinkler*. 041364
Pulsed *sprinkling* of palmetto-type orchards [Apple trees]. 041428
Long time storage of beech [Fagus] logs under **water** *sprinklers* [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733

SPROUT
Respiration of maleic hydrazide treated and untreated onion bulbs during storage *[Sprouting* and **behaviour].** 037629
Mechanical harvesting of **Brussels** *sprouts*, with suggestionsfor cultural methods. 038069
Varietal differences in the susceptibility of **Brussels** *sprouts* to lepidopterous pests. 039316

Effects of cold treatments on the *sprout* **growth** of three potato varieties. 037761
What is the possible role of gibberellin in the breaking of potato dormancy? I. Physiological effects of GA3 [gibberellic acid] on carbohydrate metabolism, amylase activity and respiration in *sprouting* **potato.** 037617
Acropetal transport of exogenous beta-indolyacetic acid in **potato** *sprouts.* 037857
Seed **potato** *sprouting* [Glasshouses]. 038224
Weather conditions before maturity and dormancy in wheat in relation to **prediction** of *sprouting.* 037564
Effect of DNA synthesis inhibitor 5-aminouracil on the mitotic cycle of *sprouting* **seeds** of Crepis capillaris L. 036369
Critical temperature for frost damage at *sprouting* **stage** in Satsuma orange. 039046
New orientation and processes in cultivating **tobacco** *sprouts* in Romania. 038113
Effect of degree of *sprouting* in **winter** wheat and rye on seed quality and harvest yields. 037557

SPRUCE

Height growth of **black** *spruce* and jack pine [Picea mariana, Pinus banksiana] seedlings in flooded flats. 037911
Esponse of the ovenbird (Aves: Parulidae) to an outbreak of the *spruce* **budworm** [Choristoneura fumiferana, control]. 039386
On the growth of *spruce* **forests** of the Carpathians of varying density. 035596
Contribution to the control of *spruce* **gall** aphids of the genus Sacchiphantes on Norway spruce [Picea abies]. 039378
A species of Hepaticae, Southbya nigrella (De Not.) *Spruce,* **new** for the USSR. 035973
The development of **Norway** *spruce* [Picea abies] plantations in northern Sweden. 035637
Norway *spruce* [Picea abies] cultivation in the Baltic Province. 035671
Some wood quality properties of Danish grown grand fir [Abies grandis] and **Norway** *spruce* [Picea abies]. 035734
Measurement of phosphatase and esterase activity in **Norway** *spruce* [Picea abies] needles and birch [Betula verrucosa] leaves to detect "hidden" fluorine injury. 038973
Contribution to the control of spruce gall aphids of the genus Sacchiphantes on **Norway** *spruce* [Picea abies]. 039378
Seasonal growth increment of pine, *spruce,* **oak** and birch in mixed stands of the Svesskii Forest Enterprise. 035598
Collembola and other microarthropods of forest and meadow regions of the Terskei Ala-Too at the lower limit of the *spruce* **ocurrence.** 039966
Vertical distribution of microfungi in a *spruce* **[Picea** abies] forest soil in the south of Sweden. 036166
A comparative study of the wood destroying capacity in vitro of some butt-rot fungi in *spruce* **[Picea** abies]. 038609
Investigations on the influence of fluorine contaning air pollutants upon the susceptibility of *spruce* **[Picea]** plants to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Duration and course of response to nitrogen fertilizer in pine and *spruce* **[Pinus,** Picea] stands. 040887
Seedfall studies in **red** *spruce* [Picea rubens, seed collection]. 035643
Three years large area control of the *spruce* **sawfly** [Pristiphora abietina] with ultralow volume malathion spray in Styria. 039377
Early frost damage on **Sitka** *spruce* [Picea sitchensis] seedlings and the influence of phosphorus nutrition. 035472
The influence of mineral nutrition on the development of individual roots of **sitka** *spruce* [Picea sitchensis]. 037890
Photosynthesis in **Sitka** *spruce* (Picea sitchensis (Bong.) Carr.). V. Radiation penetration theory and a test case. 037914
Photosynthesis in **Sitka** *spruce* (Picea sitchensis (Bong.) Carr.). VI. Response of stomata to temperature. 037915
The effect of wind and humidity on leaf diffusive resistance in **Sitka** *spruce* [Picea sitchensis]. 037917
Chemical and physical properties of tumor-affected **sitka** *spruce* [Picea sitchensis]. 037940
Types of age structure in *spruce* **stands** of the North [USSR]. 035591
Forest residues in *hemlock-spruce* **[Tsuga-Picea]** forests of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671
Root regeneration of fall-lifted **white** *spruce* [Picea glauca] nursery stock in relation to soil moisture content. 035642

SQUASH

Squash 3d **ed.** Rev. 032543
Effect of garlic bulb extract on flowering, sex ratio, and yield of *squash.* I. **Effect** of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of growing season and different storage temperatures on the keeping quality of *squash* **fruits.** 033360
Multiple forms of endo-pectate lyase formed in culture and in **infected** *squash* hypocotyls by Hypomyces solani f. sp. cucurbitae. 038770
Materials for controlling powdery **mildew** on *squash.* 038631
Effect of garlic bulb extract on flowering, sex ratio, and yield of *squash.* II. **Modulation** of sex ratio by application of different fractions of garlic bulb extract. 037689
Rhythmic oscillations of phytochrome and its pelletability in Cucurbita **pepa** L. *[Squash].* 037791
Effect of garlic bulb crude extract on flowering, sex ratio and **yield** of *squash.* 038291
Zucchini *squash* [Recipes]. 032445

SQUIRRELS

Ketamine HC1 [hydrogen chloride], a dissociative anesthetic for *squirrel* **monkeys** (Saimiri sciureus) [Laboratory animals]. 034910

STABILIZATION

Mechanisms of the *stabilization* of the **allelic** composition of the esterase locus of Drosophila melanogaster. I. Relative viability of the genotypes. 039921
Mechanisms of the *stabilization* of the **allelic** composition of the esterase locus of Drosophila melanogaster. II. Dynamics of the gene and genotypic frequencies. 039922
Stabilizing **[bauxite** ore] stockpiles on the Texas coast [Erosion]. 041203
Biological *stabilization* of wines. 033327
Hydroperoxide destroyers and how they work **[Food** *stabilizers].* 032779
Stabilization of **harvest** of the [grape[variety Neuburger by means of inhibiting substances and spraying with ammonium molybdate. 038412
Study of the effect of forage mixtures with stabilized and *non-stabilized* **knackery** fat, used after storage, for fattening pigs. 034538
Bitterness prevention in citrus juices: Comparative activities and *stabilities* of the **limonoate** dehydrogenases from Pseudomonas and Arthrobacter [in orange juices]. 033411
Study of the effect of forage mixtures with *stabilized* and **non-stabilized** knackery fat, used after storage, for fattening pigs. 034538
Stabilization of **wine** materials with insoluble polyvinyl pyrrolidone. 033461
Stabilizing **wood** modified with urea. 035820

STABLES

Problems of respiratory diseases in large **calf** *stables.* 035269
Choice of animals for large-capacity **cattle** *stables.* 033685
Studies on *stable* and during **early** imbibition phases synthesized Poly(A)-RNA of Agrostemma githago embryos. 036926
Synthesis and laboratory and field evaluation of a new, highly active and *stable* **insect** growth regulator [for control of fruit pests]. 039342
Theoretical engineering aspects of **microclimate** in *stables.* 040378
Characteristics of *stable* **natural** [stream] channels and their relation to channel design. 041369
Use of the *stable* N15 **[nitrogen]** isotope to study the balance of fertilizer nitrogen in field lysimeters on sod-podzolic sandy loam soil. 041097
Creation of **relatively** *stable* shrublands with herbicides: arresting "succession" on rights-of-way and pastureland. 039112
High cropping standards and extensive reproduction of soil fertility, prerequisites for high and *stable* **yields** [Agronomy]. 038010

STACKING

Heat exchange during cooling fruit and/or vegetables in *stacks* or in **bulk.** 033347
Effect of *stacking* and **freezing** on the muscle qualities of red salmon (Oncorhynchus nerka) [Fish]. 032741
Stacking **nine** large fruit boxes one above the other in storehouses. 033378
Temperature development in **product** *stacks* of different size and geometry [Flower bulbs]. 033350

STAINING

Recession **brown** *stain* [Cytosora disease of Pinus ponderosa]. 035695
Simultaneous and **differential** *staining* of spermatozoids and especially of the acrosome by the reacting dyes procion printing green B and procion brilliant red M8BS. 034609
Correlation of **differential** *staining* of chromosome locus and its genetic activity [Drosophila melanogaster]. 039692
Fluorochrome *staining* of yeast [Saccharomyces cerevisiae] nuclei with acridine-yperite. 037118
Lipid *staining* for the electron microscope: a new method [Tests with tissues of Rhodnius]. 039827
A **negative** *staining-carbon* film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
Brown **sapwood** *stain* of ponderosa pine [Pinus] caused by Cytospora sp.: cultural and histological aspects. 038764

STALKS

Raw stuff bulk and morphine content of soporific poppy (Papaver somniferum L.) as affected by the **fruit** *stalk* length. 037830
Photosynthesis, assimilation numbers, and photosynthate translocation in wheats of different *stalk* **length.** 037445
Enzyme activity changes during cyclic AMP [adenosine **monosphosphate]-induced** *stalk* cell differentiation in p4, a variant of Dictyostelium discoideum [Fungi]. 037048
Stalk **number** and length as components of yield in sugarcane [Genetics]. 036634
The occurrence of *stalk* **rot** [Fusarium] of maize in dependence on row distance and susceptibility of hybrid cultivars. 038834
Toward **sturdier** *stalks* [Breeding maize for lodging resistance]. 036377

STALLS

Recommendations for the time of separation of dairy cows in industrial **open** *stall* units. 033671
Constructional design of the front walls of **rearing** *stalls* with large trough for sows with litter. 040317
Settlement *stalls* on butter price increase [Exports, Common Market]. 031690
The influence of *stall* **size** on production and behavior of beef calves. 033646
Body measurements of swine as a basis for **suitable** *stall* and pen designs. 040389

STANDARDS

Modifications and amendments to the *standards* for **canned** fruits in the German Food Codex. 032047
Standards for **canned** fruit in the German Food Codex. 032050
High **cropping** *standards* and extensive reproduction of soil fertility, prerequisites for high and stable yields [Agronomy]. 038010
High **cropping** *standards* essential to contest for high yield stability. 038011
Current *standards* and trends of deveopment of the specialized farm machinery repair service in the USSR. 040415
Developing **department** *standards.* 032563
Current trends in international **feed** *standards.* 033519
Feed *standards* for mink. 034502
USDA [grade] *standards* for **food** and farm products. 031942
Effects of Codex Alimentarius on food design **[Food** *standards,* food laws]. 032038
Measurement of the size and size distribution of milled rice **[Grading,** *standards].* 031981
The feasibility of [dietary] *standards* for the **hemisphere.** 032321
Honey *standards* legislation [Quality control]. 032033
Preparation and handling of meat and meat food products **[Inspection** *standards* and regulations]. 032064
Microbiological *standards*—are they realistic? [Quality or safety of fresh or processed meats]. 032021
The need for **practical** *standards* in air pollution measurement. 041482
Appraisal of the soundness of sorter estimates [Forest **products,** *standards].* 035868
New legal regulations concerning **service** *standards* [Equipment]. 031773
The establishment of *standards* for a **set** extract is an important way of controlling the quality of fruit wines. 033478
New **sugar** *standards* [Quality]. 032058
Organization of the comparison of economic performance according to **uniform** *standards* [Livestock management, East Germany]. 031336

STANDS

Density of wood and weight productivity of **birch** *stands* in Leningrad Region. 035805
Treatment of cereal seeds and *stands* with **chlorocholine** chloride. 038039
Appraisal of the growth and development of young plantations and thickets originating from the reconstruction of **coniferous** *stands* in the Upper Silesia and Cracow industrial regions. 035619
The relationship between site condition and circulation of nutrients in forest ecosystem. III. Above ground biomass and nutrient **contents** of *stands.* 036229
Estimating aspen [Populus tremuloides] volume and weight for individual trees, diameter classes, or **entire** *stands.* 035627
Effect of **forest** *stands* of varying composition on the soil. 035508
Quality and technical usefulness of wood harvested in the course of late cleaning [in young **forest** *stands].* 035829
Conference of coordinators for the Project No. 11.2 "Fertilization of young plantations and **forest** *stands"* under the Council for Mutual Economic Assistance. 041103
Mowing of high yield **grass** *stands* [Costs]. 031474
Research on pesticide residues resulting from a new method of their application for control of soil pests in **maize** *stands.* 039586
Seasonal growth increment of pine, spruce, oak and birch in **mixed** *stands* of the Svesskii Forest Enterprise. 035598
Problem of the regeneration of fir and **mixed** *stands* with fir with the use of improved cutting methods in the light of studies in the VIth Land—Central Poland Uplands. 035623
Forest soil after afforestation by rehabilitation in the Setouchi region. III. In Comparison with the forest soil of some **natural** *stands.* 041145
Latest on the study of the organic material of Pinus sylvestris and Pinus **nigra** *stands* for industrial uses. 035737
On possibilities of the extension of use of the preparation Gesatop 50 (simazine) [in forest **nuseries** and *stands].* 039184
Dying out of **oak** *stands* in the steppe zone of the Ukraine at the end of the sixities and beginning of the seventies. 035492
Effectiveness of fertilizers on **perennial** *stands* on terraces [Grapes, vegetables]. 041088

Duration and course of response to nitrogen fertilizer in pine and spruce [Pinus, **Picea**] *stands.* 040887
Tables of form factor for stems-in-bark in **pine** *stands.* 035529
Pine *stands* in cutover areas. 035579
Growth of *stands* of **Pinus** koraiensis. 035574
Vertical distribution of dry matter in some grassland **plants** and *stands.* 037608
Forage yields of different alfalfa varieties in **pure** *stands* and in mixtures with grasses. 037972
Types of age structure in **spruce** *stands* of the North [USSR]. 035591
Organization of mechanized harvesting in **sunflower** *stands.* 040522
Pinus **sylvestris** *stands* in drained lands. 035581
For **weed-free** *stands* of lupine. 038193
Growth rate and change by age in marketability of white **willow** *stands* of Astrakhan Region [Salix alba]. 035589
Stability of [forest] *stands* to **wind:** a theoretical approach [Damage, Pseudotsuga menziesii]. 035498
Effect of improvement cutting of **young** *stands* of Pinus nigra caramanica on biological activity of soil. 035594

STAPHYLEA

Staphylea **colchica** Stev., the new species in the flora of Azerbaijan. 035983

STAPHYLINIDAE

Gene amplification in oocytes of the rove beetle **Creophilusmaxillosus** *(Staphylinidae,* Coleoptera-Polyphaga). 039739
An additional new Stenus [(Parastenus) praedictus] from Australia (Coleoptera, *Staphylinidae):* 100th contribution to the **knowledge** of Steninae. 040080
Materials on the biology of xylophile staphylinids (Coleoptera, *Staphylinidae)* from the **southern** part of Maritime Territory [USSR]. 039714
Quedius plancus Er. (Coleoptera, *Staphylinidae)* in **west** Sussex. 040027

STAPHYLOCOCCUS

Phagocytic activity of bovine leukocytes during pregnancy *[Staphylococcus* **aureus].** 035034
Cytotoxicity of *staphylococcal* **enterotoxins** [Chick embryos]. 035074
Characters of the *staphylococcal* **hemolysin** beta produced by the causative agent of gangrenous mastitis in sheep. 035220
Pathogenic *Staphylococci* associated with contamination of market eggs. 032086
Role of *staphylococci* in **reproductive** disorders in cattle. 035219
Chemotactic effects of some *staphylococcal* **substances** [Cattle, rabbits]. 035290
Spontaneous appearance of *staphylococcal* **variants** during vacuum concentration of reconstituted skim milk. 032055

STARCHES

Metabolism of *starch* and other **carbohydrates.** 032247
Viscosity characterization of unmodified **cassava** *starch* paste. 033426
Scanning electron microscopy of the endosperm of cereal crops. 3. *Starch* **cell** layer of white-core rice. 033195
Scanning electron microscopy of the endosperm of cereal crops. 4. *Starch* **cell** layer of imperfect grain of rice (nonglutinous) and glutinous rice. 033196
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. VI. The effect of different *starches* on **degree** of meat adhesiveness to the casing. 032766
[Maize] **dialdehyde** *starches* and their hygienic evaluation [in the diet]. 032503
Modification of iron and copper metabolism by **dietary** *starch* and glucose in rats. 032415
Nutritional value of *starchy* **food** with addition of soybeans [Rats]. 032453
Structure and utilization of *starch* **[Food** research]. 032847
Distribution and quantity of *starch* **granules** in sugarcane tissues. 036332
Hydrolised *starch* products in fruit processing. 033390
Membrane treatments of cider making and *starch* **industry** wastewaters. 041466
Studies on the in vitro digestibility of *starch* in some **legumes** before and after germination. 032417
Distribution of lipids and *starch* in **nutritive** tissues of five cynipid galls. 039232
Starch: its **occurrence,** importance, and removal in sugar manufacture. 033186
Structures of multi-branched dextrins produced by saccharifying alpha-amylase from **[rice]** *starch.* 033262
High-pressure liquid chromatographic analysis for triamcinolone acetonide in **rice** *starch.* 033263
Influence of proteins, mucilaginous compounds, and lipids on **rye** *starch-paste* formation. 033155
Adsorption of microbial beta-amylase on *starch* [from **soybean,** barley, potato]. 033141
Separated fermentation of *starch* **syrup** [Beer manufacture]. 032728
Effect of chemical modifications on the ultrastructure of corn, waxy maize, and **tapioca** *starches.* 033203
In vitro cultures of maize endosperm—a model system for studying in **vivo** *starch* biosynthesis. 037389

STARVATION

Regulation of development in Dictyostelium discoideum [Fungi]. I. Initiation of the growth to development transition by amino **acid** *starvation.* 036907
Ultrafine structure of the integument of the [blood sucking] tick Hyalomma asiaticum P. Sch. et E. Schl. during its *starvation* and **feeding.** 039504
Starvation **[Human].** 032373
Selection of spontaneous mutants by **inositol** *starvation* in yeast [Saccharomyces cerevisiae]. 036591
The effect of protein deprivation and *starvation* on the **rate** of protein synthesis in tissues of the rat. 032180
Intestinal uptake by *starved-refed* **rats** of sugars derived from disaccharides and from their monosaccharide equivalents. 032412
Different regulation of hepatic ketogenesis during *starvation* in **rats** and pigeons. 033985
Starvation. 032372

STATIC

On the behaviour of the coefficient of *static* **friction** under vibration [Wood cutting]. 035769
Static **test** of safety boxes and protective framings on agricultural tractors. 040410

STATIONS

The Northeast **Branch** *Station* [University of Arkansas, Agricultural Experiment station]. 031023
New method of hygienic removal of spermatozoa in the operation of cattle **breeding** *stations.* 034859
The first two [state agricultural experiment] *stations*—**Connecticut,** California. 031141
Standard of excellence set by early [Alabama Agricultural Experiment] *Station* **directors** [History]. 031046
Centrol **dispatcher** *station* for operative control in plant production. 031247
Experiences made with the central **dispatcher** *station* in the Dorf Mecklenburg Crop Cooperative. 031248
Professional workers in state agricultural **experiment** *stations* and other cooperating state institution, 1975-76. 031000
The Northeast Branch Station [University of Arkansas, Agricultural **Experiment** *station].* 031023
The Southeast Branch [Agricultural] **Experiment** *Station* [University of Arkansas]. 031024
Agricultural **Experiment** *Station,* South Dakota State University Brookings, South Dakota; 87th annual report. 031128
Scientific and production activity of the Crimean State Agriculture **Experiment** *Station.* 031135
Aspects of the help rendered by the agricultural **experiment** *station* Louvrin to the state and cooperative production enterprises. 031367
The horticultural **experiment** *station* of Mas Blanc-Alenya (Pyrenees-Orientales). 038289
Report on a [wine] bottling test made by the Tempio Pausania cork **experimental** *station* (Italy) [Leakage]. 035788
Experimental *station* of the South African Sugar Association, Agronomic Section [Sugarcane culture]. 037981
Experience from the operation of a permanent mixing an **filling** *station* for plant protection in fruit plantations. 038981
Artificial **insemination** *stations* as centers for improving livestock performance [Poland]. 034654
Cooperatives and the *stations,* **partners** in progress. 031394
A succession of **pump** *stations* on the Karshinskii main canal[in the Uzbek SSR]. 041251
Whatawhata Hill Country **Research** *Station:* its function, organization and current research programme [Agriculture]. 031113
Results on feed consumption and nutrient requirement in intensive bull fattening as obtained in fattening **test** *stations.* 034324
Neuilly-sur-Marne sewage works sludge **treatment** *station.* 041638

STATISTICS

A program for studying the optimum plot size in field experiments on the computer [Field crops, *statistical* **analysis].** 037952
Some figures about Brazilian agriculture and their **analysis[Acreage,** *statistics].* 031022
Statistical **approach** to evaluating and securing methods and results in the context of hygiene and microbiology [Animal production]. 033649
Prospects for French corn production: an **assessment** *[Statistics].* 031595
Statistical **considerations** in assessing biological effects of aquatic industrial effluents. 041584
County *statistics* 1973 and 1974 [Skins, fur-bearing animals]. 033101
Basic agricultural resources of Kenya **[Development,** *statistics].* 031808
Food supply is today, one of the vital problems of the Italian society [Agricultural products, consumption, **distribution,** *statistics].* 031531
The **environmental** *statistics* law [Water and soil pollution]. 041679
North Dakota barley, corn, oats, rye historic **estimates,** 1955-1970 *[Statistics].* 031744
Production of canned fruit in **Europe** *[Statistics].* 031762
Landlord and tenant shares, 1974 **[Farms,** *statistics].* 031743
U.S. Agricultural export shares by states, **fisal** 1975 *[Statistics].* 031585
Fruit and vegetable processing in **Germany** in 1974 *(Statistics).* 031761
What the 1974 **Horticultural** *Statistics* tell about developmental trends in Norwegian berry culture. 038331
Dynamics and structure of labor in the agriculture of **Hungary** *[Statistics].* 031763
Outdoor recreation in southeastern Iowa: 1970 and 1985 **[Land** use, *statistics].* 031217
Outdoor recreation in southwestern Iowa: 1970 and 1985 **[Land** use, *statistics].* 031218
Outdoor recreation in central Iowa: 1970 and 1985 **[Land** use, *statistics].* 031219
Outdoor recreation in east central Iowa: 1970 and 1975 **[Land** use, *statistics].* 031220
Outdoor recreation in northwestern Iowa: 1970 and 1985 **[Land** use, *statistics].* 031221
Outdoor recreation in north central Iowa: 1970 and 1985 **[Land** use, *statistics].* 031222
Outdoor recreation in northeastern Iowa: 1970 and 1985 **[Land** use, *statistics].* 031223
Outdoor recreation in Iowa: 1970 and 1985 **[Land** use, *statistics].* 031224
Determination of confidence intervals for consumption indexes of spare parts using a method of **mathematical** *statistics* [Equipment]. 040420
What do successive frequency distributions show? *[Statistical* **methods].** 031526
Nebraska agriculture: selected graphics *[Statistical* **methods].** 031765
Appraisal of the usefulness of **modified** *statistical* methods of taxation for needs of forest survey using an example of a selected forest tract. 035592
World grain situation: **outlook** for 1975/76 *[Statistics].* 031760
The agricultural situation in Africa and West Asia. Review of 1974 and **outlook** for 1975 *[Statistics].* 031825
The agricultural situation in Eastern Europe. Review of 1974 and **outlook** for 1975 *[Statistics].* 031826
World trade in eggs and **poultry,** 1973 and 1974 *[Statistics].* 031597
A *statistical* **regression** model of greenhouse tomato water exchange. 037718
Patent-statistics **research** [Forest engineering]. 035585
Timber **resource** *statistics* for the Copper River Inventory Unit, Alaska, 1968. 035613
1975 meat production down 3 percent, world trade continues **restricted** *[Statistics].* 031596
Employment in Delaware, 1954 to 1974 **[Rural** *statistics].* 031745
Committee on Commodity Problems, Intergovernmental Group on Jute, Kenaf and Allied Fibers; eleventh session, Rome, 19-21 January 1976. The *statistical* **situation.** 031756
Material relating to the developed and backward districts or areas (in agriculture) in Karnataka **state** *[Statistics].* 031758
Ocean shipping highlights in grain **trade** *[Statistics].* 031583
World monetary conditions in relation to agricultural **trade** *[Statistics].* 031739
Canned fruit: world production and **trade** *statistics.* 031759
Introduction to the study of horizontal patterns in steppes. II. *Statistical* **treatment** of transcets of contiguous quadrats [Artemisia herba-alba]. 036239
Cereal straw production and utilization in England and **Wales** *[Statistics].* 033286
Present situation of cereal production [Prices, *statistics,* **wheat,** maize]. 031536
Wool *statistics* and related data, 1930-69. 031766
U.S. Agricultural imports from 50 major countries, fiscal **years** 1970-75 *[Statistics].* 031586
Evolution of agronomic techniques in Italy in the last ten years [Field crops, acreage, **yields,** *statistics].* 031764

STATOR

Efficiency of enamel varnish insulation on *stator* **windings** during operation of electric pumps in water [Farm equipment]. 040392

STEAM

Concerning the influence exercised by air contained in **heating** *steam* of temperature drop in processes of heat transmission [Sugar processing]. 033306
Palm **oil** *steam* refining, techniques, operating responses and economics. 032889

STEERS *see* CATTLE

STEGOMYIA

Natural infection of **Aedes** *(Stegomyia)* herbrideus by a Coelomomyces [finlayae] in New Hebrides. 039443
A new species of **Aedes** *(Stegomyia)* [krombeini] from Sri Lanka (Ceylon) (Diptera: Culicidae). 040118

STEM

Investigation of the polysaccharides from the *stems* of **Althaea** rugosa. 036885
Diurnal fluctuation of CO2 [carbon dioxide] release from the *stem* **bark** of standing young Pinus densiflora trees. 037923
Respiratory effects of H+ [hydrogen ion] and dinitrophenol injections into the **brain** *stem* subarachnoid-space of fetal lambs. 033849
Isolation of phytotoxic substances produced by Cephalosporium gregatum Allington & Chamberlain **[Brown** *stem* rot of azuki beans]. 038816
Structural changes of the plasmalemma during cell wall regeneration of isolated protoplasts from *stem* **callus** of Skimmiajaponica Thunb. 037207
Cultural characteristics of Crumenula sororia *[Stem* **canker,** Pinus]. 038818
Propagating deciduous and evergreen shrubs, trees, and vines with *stem* **cuttings.** 035681
Root rot and *stem* **decay** following commercial thinning in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471

A comparative study of the effects of photoperiod on flower bud development and *stem* **elongation** in three varieties of Phaseolus vulgaris, L. [Kidney beans]. 037630
PTP-1 works efficiently [Pickup device for harvesting fiber **flax** *stems* after dew retting]. 038073
General and specific features in the process of rhizogenesis in *stem* and **leaf** cuttings of kidney beans. 037678
A method of tracing fungi inoculated into the *stems* of **living** maple [Acer saccharum, Coniochaeta velutina]. 038578
Beta-sitosterol from Rhododendron caucasicum **Pall** *stems* and leaves. 037268
Tables of form factor for *stems-in-bark* in **pine** stands. 035529
Stem and **primary** product weights for longleaf pine [Pinus palustris] sawtimber trees. 035626
Role of *stem-fruit* **relation** in the after-ripening process of red peppers. 037616
Sex pheromone of **rice** *stem* borer [Chilo suppressalis]; purification and chemical properties. 039251
Preliminary studies on screening of insecticides for the control of **rice** *stem* borer [Tryporyza incertulas]. 039252
Influence of N, P, K [nitrogen, phosphorus, potassium] on *stem* **rot** [Macrophomina phaseoli] incidence of capsularis jute. 038657
Vertical distribution and survival of Sclerotium oryzae *[stem* **rot** of rice] under various tillage methods [Cultural control]. 038776
Poinsettia root and *stem* **rot** control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and Thielaviopsis basicola]. 038977
Genetics of *stem* **rust** [Puccinia graminis tritici] resistance in wheat cultivars Romany, Es.p 518/9, Bonny and Tama. 038593
A comparative study of races of *stem* **rust** [Puccinia graminis tritici] of wheat: relation of temperature as a factor governing their prevalence. 038642
Application of two epidemiological models for the identification of slow *stem* **rusting** [caused by Puccinia graminis tritici] in wheat [varieties of varying susceptibility]. 038762
Commercial production of VTSC [virus **tested** *stem* cutting] seed potatoes]. 038877
Callus cultures from potato tissues and the exclusion of potato virus X from plants regenerated from *stem* **tips.** 038892
Controlling gray rot [Botrytis cinerea] in *stem-less* **vineyards.** 038787
The role of *stem* **zones** of different tiers in the flowering of plants of the photoperiodically neutral species [Tobacco]. 037401

STEMPHYLIUM

Gray leaf spot-resistant Lupinus angustifolius L. Germplasm from plant exploration in the western Mediterranean region [Stemphylium solani, *Stemphylium* **botryosum**]. 038596

STENELLA

Notes on *Stenella* **[Fungi].** 036156

STENINAE

An additional new Stenus [(Parastenus) praedictus] from Australia (Coleoptera, Staphylinidae): 100th contribution to the **knowledge** of *Steninae.* 040080

STENUS

An additional **new** *Stenus* [(Parastenus) praedictus] from Australia (Coleoptera, Staphylinidae): 100th contribution to the knowledge of Steninae. 040080

STEPPES

Problems of apiculture in the *steppes* of **Altai** Territory. 040274
Calculating optimum parameters for wind erosion control of forest shelterbelts in the **dry** *steppe* area. 035485
Mineralogy of clay fractions in typical Chernozems of Ukrainian **forest** *steppe.* 040731
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of thick Chernozem in the western **forest** *steppe* of the Ukraine. 040814
Seasonal dynamics of the mass of aboveground and underground organs of **meadow** *steppe* plants. 037326
Mineral composition and age of a three-storied soil on the **sands** of the Don *Steppe.* 040830
Introduction to the study of horizontal patterns in *steppes.* II. **Statistical** treatment of transcets of contiguous quadrats [Artemisia herba-alba]. 036239
Soils of *forest-steppe* and **steppe** zones. 040715
Buckwheat [growing] in **Ukrainian** *forest-steppe* zone. 038189
Peculiarities of the absorption of nutrients from fertilizers by Chernozem and Gray Podzolic soils of the *forest-steppe* of the **Ukrainian** SSR. 040871
Dying out of oak stands in the *steppe* **zone** of the Ukraine at the end of the sixities and beginning of the seventies. 035492
Soils of forest-steppe and *steppe* **zones.** 040715

STERCULIACEAE

Residual effects of phosphorus and potassium fertilizers on shaded **cocoa** *(Theobroma* cacao L.) in Ghana. 040968

STEREOCHEMISTRY

Cyclization and **hydroxylation** *stereochemistry* in the biosynthesis of gibberellic acid [by Gibberella fujikuroi]. 037160
Stereochemistry and **mechanism** of methanol oxidase from Candida boidinii [Yeasts]. 036958
X-ray structure and absolute *stereochemistry* of **stemarin,** a diterpene with a new skeleton [Stemodia maritima]. 036868

STEREOSELECTIVE

A *stereoselective* **total** synthesis of exo- and endo-brevicomin [Dendroctonus brevicomis, control]. 039390

STEREOSPECIFIC

Synthesis of compounds containing the isoprene unit. A *stereospecific* **synthesis** of dehydronerol isovalerate, a component of Anthemis montana L. 037287

STERILITY

Field experiments on the control of the bean weevil (Acanthoscelides obtectus Say, Coleoptera, Bruchidae) by the release of *sterile* **adults.** 037798
Manifestation of male sterility in autotetraploids derived from **diploid** *male-sterile* radishes (Raphanus sativus L.). 036583
Polyploidization and chromosomal aberrations induced by mutagens in the open **flowering** *sterile* mutants of spring barley. 036706
Use of *male-sterile* 1 **gene** to eliminate detasseling in production of hybrid seed of bicolor sweet corn. 036572
Genetic analysis of *sterility* in **heifers.** 034816
On some problems of onion hybrid seed production *[Male-sterile* **lines].** 036534
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of **age** at time of treatment on *sterility* and **longevity.** 039475
Electron-microscopic examination of **maize** *sterile* mutants induced by acridine dyes. 036703
Pigments of the vegetable organs of soft winter wheat plants with cytoplasmic **male** *sterility.* 036466
Induction of CMS [cytoplasmic **male** *sterility]* in cotton by means of radiation-induced mutagenesis. 036520
Male *sterility* in diploid species of coffee. 036552
Manifestation of **male** *sterility* in autotetraploids derived from diploid male-sterile radishes (Raphanus sativus L.). 036583
Male *sterility* caused by cooling treatment at the young microspore stage in rice plants. XI. Effects of some substanceson sterility. 036620
Partial **male** *sterility* and spontaneous hybridization in wheat. 036651
On the nature of **male** *sterility* occurring in the seed progeny of scions in sugarbeet. 036685
Variable restorers of Texas type CMS [cytoplasmic **male** *sterility]* in corn. 036695
Data on the flowering biology of **male** *sterile* wheat. II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. 037491
Induction of *sterility* in **male** houseflies [Musca domesticus] by vapors of Acorus calamus L. oil. 039493
The influence of various forms of nitrogen and bacterization on the growth and development of soybean under *sterile* **pot** experiment conditions. 037577
Isolation and characterization of **sex-linked** *female-sterile* mutants in Drosophila melanogaster. 039750
Pollen movement within and between rows to *male-sterile* **soybeans.** 036437
Male sterility caused by cooling treatment at the young microspore stage in rice plants. XI. Effects of some **substanceson** *sterility.* 036620
Biochemical characteristics of *sterile-cultured* **tissue** and cells of some essential oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and seed set on *male-sterile* **wheat.** 036380
Physiological peculiarities of winter soft **wheat** *sterile* analogues with Triticum timopheevi Zhuk cytoplasm. 036481

STERILIZATION

The use of multipurpose ship's refrigerated spaces for the **intransit** *sterilisation* of citrus fruit to Japan. 033353

STEROID

Steroidal **alkaloids** of the Apocynaceae, Buxaceae, Asclepiadaceae, and of the Salamandra-Phyllobates group. 036747
A *steroid* **anaesthetic** for cats. 034916
Microbial hydroxylation of *steroidal* **delta** 3,5 enol acetates [Rhizopus arrhizus, fungi]. 037292
Steroid **effects** on gut function in birds [Hens]. 034206
Effects of active immunization with *steroids* on **endocrine** and reproductive functions in male animals. 034639
Steroid **glycosides** from the leaves of Agava americana L. 036913
Haemopoietic responses in chick embryos to administration of *steroid* **hormones:** an system for the study in vitro. 034203
The effect of *steroid* **hormones** on sexual behavior in beef heifers. 034737
Steroid-protein **interactions** in bovine plasma [Testosterone-binding specificity]. 034694
New *steroidal* saponins of Agave americana. 037171
Enzymatic destruction of *steroids* in the **process** of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the fungus Tieghemella orchidis (fam. Mucoraceae). 037116
Measurement of *steroid* **saponins** in Dioscorea deltoidea leaves. 037223
The occurrence of C19 [carbon] *steroids* in **testicular** tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. 034699
Solanum and **Veratrum** *steroidal* alkaloids. 036746

STEROL

Genetic control of *sterol* **esterification** in developing wheat endosperm. 036393
Study of tocopherols and *sterols* of some **plant** oils. 032896
Investigation of Strychnos spp. III. Study of triterpenes and *sterols* of **Strychnos** potatorum seeds. 037193
Effect of cholesterol on growth & production of diosgenin, gitogenin, tigogenin & *sterols* in **suspension** cultures [Trigonella foenum-graecum]. 037452

STEVIA

Quantitative analysis of stevioside [isolated from *Stevia* **rebaudiana**]. 037069
Studies on the cultivation of *Stevia* **rebaudiana** Bertoni. Determination of stevioside. II. 037072

STILBESTROL *see* DIETHYLSTILBESTROL

STIMULATION

Interaction of *multiplication-stimulating* **activity** with chick embryo fibroblasts demonstrates a growth receptor. 034112
The effect of various pattern of *stimulation* on the **activity** of the mechanoreceptors in Achet a domesticus L. 039608
Control of depth and frequency of breathing during **baroreceptor** *stimulation* in cats. 034008
Effect of baroreceptor activity on ventilatory response to **chemoreceptor** *stimulation* [Dogs]. 034010
Integration of **chemoreceptor** *stimuli* by rostral brainstem respiratory areas [Cats]. 034016
In-vitro fertilization of hamster eggs in different media and the *stimulating* **effect** of heterologous and homologous spermatozoa. 033640
Molecular mechanisms of *stimulating* **effect** of ionizing radiation on seeds: Activation of RNA synthesis [Castorbeans]. 037249
Effect of electrode implantation and **electrical** *stimulation* of hypothalamus on food intake in cats. 033718
Electrical *stimulation* of the hypothalamus and luteinizing hormone secretion in Japanese quail. 034054
Behavior of sugarcane clones (genotypes) under natural and induced **environmental** *stimulus* [Genetics]. 036632
Stimulation of **ethylene** production in the mung bean hypocotyls by cupric ion, calcium ion, and kinetin. 037527
The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow response to meat **extract** *stimulation* in anaesthetized cats. 034078
Continuous infusion of **follicle** *stimulating* hormone for follicular growth in embryo transfer heifers. 034722
Glucagon *stimulation* of hepatic gluconeogenesis in neonatal pigs. 034151
Failure of supplemental zinc-proteinate, zinc sulfate and methionine to *stimulate* **growth** rate and feed efficiency of swine. 034470
Testing of Mecadox, a nonantibiotic **growth** *stimulant,* for swine fattening in field conditions. 034519
Stimulators of **growth** of gall tissues in Phylloxera-infected grape plants. 039364
Results obtained from histological uterus examination of young sows after heat synchronization, **heat** *stimulation* and synchronization of ovulation. 034751
Content of RNA and sulfhydryl-groups in swine zygotes during natural ovulation and **hormonal** *stimulation.* 034806
Effect of ACTH [adrenocorticotropic hormone], alpha-MSH *[melanocyte-stimulating* **hormone],** and beta-lipotropin on calcium and phosphorus metabolism in the rabbit. 033885
Release of FSH *[follicle-stimulating* **hormone]** from the pituitary of the hen following an injection of progesterone. 034095
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, *follicle-stimulating* **hormone]** and testosterone levels. 034690
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH [luteinizing hormone, *follicle-stimulating* **hormone],** 034691
Existence of a *follicle-stimulating* **hormone** inhibiting factor 'inhibin' in bull seminal plasma. 034763
Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH [luteinizing hormone releasing **hormone/follicle** *stimulating* hormone releasing hormone]. 033886
Biochemical activity of polluted soil [Plant injuries, control with Pseudobacterium lacticum, Pseudomonas liquefaciens and sodium **humate** as *stimulants].* 040811
The growth inhibitors in sugarbeet seed balls. II. Isolation of potassium nitrate as the germination inhibitor and **hypocotyl** *stimulating* substance. 037545

Stimulation of **lactic** acid production in chick embryo fibroblasts by serum and high pH [hydrogen-ion concentration] in the absence of external glucose. 034047
Influence of intermittent **long-term** *stimulation* on contractile, histochemical and metabolic properties of fibre populations in fast and slow rabbit muscles. 034130
Manganese *stimulation* of oxygen consumption in [spinach, maize] chloroplasts with dibromothymoquinone. 037406
The effect of sympathetic **nerve** *stimulation* on serum gastrin, gastric acid secretion and mucosal blood flow response to meat extract stimulation in anaesthetized cats. 034078
Preliminary report on the response of the efferent cells to **ordor** *stimulation* [Periplaneta americana]. 039649
Changes in blood arginine vasotocin level after **osmotic** *stimuli* in domestic fowl. 033713
Stimulation of **pepper** seed germination by sodium hypochlorite treatment. 038365
Neuronal activity in the lateral vestibular nucleus of the cat. IV. Postsynaptic potentials evoked by *stimulation* of **peripheral** somatic nerves. 034132
The action of some inhibitors and *stimulators* of **phosphodiesterase** and adenylate cyclase on electrolyte and enzyme secretion by the pancreas [Cyclic adenosine monophosphate]. 033944
Stimulatory **processes** of the exocrine pancreas and their inhibition by a non-penetrating SH [sulfhydryl]-reagent. 033961
Stimulation of the **quality** [of grain of cereals, legumes and buckwheat, through state procurement prices]. 031511
Radiation *stimulation* of seeds [of field crops and vegetables]; results of five years of experimentation. 037462
The role of catecholamines in *stimulating* the **release** of pituritary ovulating hormone(s) in sheep. 034544
Secretory responses to **sympathetic** *stimulation* of the cat's salivary glands in a state of resting secretion. 034162
Structural polarities in mechanosensitive sensilla and their influence on *stimulus* **transmission** (Arthropoda). 039950
Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to **tropic** *stimuli* and curvatures. 037348
Results and experiences in the use of compressed air **udder** *stimulation* at the Dedelow Dairy [Milk production, East Germany]. 033672
Increase by **visual** *stimuli* in turnover of 5-hydroxytryptamine in the superior colliculi of the rabbit. 034074

STINGS

Genetic study of aggressiveness of two subspecies of Apis mellifera in Brazil. 2. Time at which the **first** *sting* reached a leather ball. 040246
Scorpion *stings* in dogs. 039489

STOCHASTIC

Use of *stochastic* **optimization** for optimal planning of agricultural production. 031324
An application of *stochastic* **process** in flood frequency analysis for Lanyang River at Lanyang Bridge. 041429

STOCK

Effect of polyelectrolyte molecular weight and *stock* **agitation** on filler retention [Paper manufacture]. 035881
Dwarf Brassaia [arboricola] *stock* **block** [Costs, returns]. 031467
Rate of respiration of **breeding** *stock* sugarbeets stored in containers and in fixed storage areas. 037607
Improving the material-technical supply of socialist farms by **centralized** *stock* keeping [Equipment]. 040424
Sawing pattern effect on warp loss of hard maple [Acer saccharum] **dimension** *stock*. 035748
National **foodgrain** *stock* policies in developing countries in the context of world food security. 031935
The effects of copper supplementation on *stock* **health** and production. 3. The effect of parenteral copper on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
A guide to the choice of **laying** *stock* [Chickens]. 033593
Root regeneration of fall-lifted white spruce [Picea glauca] **nursery** *stock* in relation to soil moisture content. 035642
Field deveopment of culled **nursery** *stock* of Pinus radiata. 035649
Training of vines on **parental** *stocks* of intensive-type scion grapevines. 038476
Mechanized flow line for culture of **planting** *stock* [Silviculture]. 035664
The status, economic indices and ways of improving production of **planting** *stock* in the Ukraine [Silviculture]. 035672
Stock-scion **relationship** in some compatible and incompatible unions of nursery pear plants. 038293
Loose smut [Ustilago nuda] of barley: the embryo test as a means of assessing loose smut infection in **seed** *stocks*. 038792
"Stock **taking"** of the milk policy [European Economic Community]. 031896
Directory of Iowa nurseries that deal in forest **tree** *stock*. 035680
Production of hybrid [potato] *stock* **utilizing** the species Solanum bulbocastanum. 036467
Australian **wool** *stocks* still growing [Supply and demand]. 031600

STOCKPILES

Stabilizing [bauxite ore] *stockpiles* on the **Texas** coast [Erosion]. 041203

STOLONS

Verticillium wilt of strawberry. II. Study of the diffusion of the pathogen agent in the *stolon* **tissues** and in young plants. 038729

STOMACH

Acute dilatation and torsion of *stomach* in an **Alsatian** dog-a case report. 035326
The slow wave in the circular muscle of the **guinea-pig** *stomach*. 034080
Coprophagy-dependent changes of the anaerobic bacterial flora in *stomach* and **small** intestine of the rabbit. 035289

STOMATA

Identification of cotton haploids by *stomatal* **chloroplast-count** technique. 036431
Dependence of *stomatal* **number** and size in Juglans regia L. on ecological conditions. 037699
Ephedra pollen mimicry by unidentified Pleistocene **plant** *stomata*. 036115
Abscisic acid content and *stomatal* **sensitivity** to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in warm and cold growth chambers. 037200
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). VI. Response of *stomata* to **temperature.** 037915

STOMATITIS

Chronic **relapsing** *stomatitis* in a cat associated with feline leukemia virus infection. 035061
On the mechanism of neurotropism of **vesicular** *stomatitis* virus in newborn hamsters. Studies with temperature-sensitive mutants. 035110
Epizootiology of **vesicular** *stomatitis* in swine. 035242

STONEFLIES

Rhabdiopteryx christinae, n. Sp., a **new** *stonefly* from Spain(Plecoptera, Taeniopterygidae). 040158

STONES

A field trial of the reinforcing effect of a *stone* **column** in soil. 040579
Performance of an embankment supported by *stone* **columns** in soft ground. 040356
Field [soil] testing to **evaluate** *stone* column performance in a seismic area [Sewage treatment plant]. 040355
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? *[Stone* **fruits,** grapes]. 039104

STORAGE

Effects of *storage* on the **activities** of protease, urease, phosphatase, and sulphatase in three soils under pasture. 040702
Effect of metabolic inhibitors on the preservability of baker's yeast [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase **activity** during its *storage*. 032864
Sugar terminal at the port of Maceio, **Alagoas** *[Storage]*. 033194
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki bean weevil, Callosobruchus chinensis L. from *stored* **beans** afer fumigated with hydrogen phosphide. 039423
Drying of water- and *sprinkler-stored* **beech** [Fagus]. 035732
Application of controlled atmospheres containing 20 percent CO2 [carbon dioxide] to the *storage* of **beef.** 033055
Beet *storage*. 033274
Methods of quality evaluation of ice-cream and *storage* **behaviour** of vanilla ice cream. 032951
Use of certain anti-bacterial agents in *storing* **boar** sperm. 034869
Observations on the condition of red clover seeds during *storage* **[Botrytis** anthophila, Alternaria tenuis]. 038793
The chemical control of mites infesting Freesia corms and Narcissus **bulbs** [During *storage]*. 039416
Investment preparation problems of industrial **cabbage** *storage* and dressing centers. 031455
Efficient utilization of *storage* **capacity,** the basis of highly effective investment [Fruit]. 033373
Cassava *storage;* post-harvest deterioration and storage of fresh cassava roots. 033468
Cytogenetic investigation of mutation process in the population and pure lines of rye seeds (Secale **cereale** L.) under *storage*. 036511
Storage of **cereals.** 033145
A qualitative of free amino acids in the developmental stages of Sitotroga cerealella Oliv. and Cadra cautella (Wlk) [Pests of *stored* **cereals].** 039424
Freeze drying of fishery products. V. *Storage* **characteristics** of ready-to-serve freeze dried foods. 032796
New automatic **cheese** *store* in Olterterp in Friesland. 031704
Domiati **cheese** *stored* at room temperature as affected by heat treatment of milk and different salting levels. 032935
Cold water soaking process for the *storage* of **chestnuts.** 033427
Effect of picking stage on free amino acids content in tomato fruits during *storage* at **chilling** and non-chilling temperatures. 033344
Studies of the freezing of green plantains (Musca paradisiaca). IV. Effect of **cold** *storage* on the quality of frozen sliced green plantains. 033418
Effect of processing and *storage* **conditions** on the stability of chlorophyll and beta-carotene content of green leafy vegetables available in northern India. 033393
The influence of *storage* **conditions** on disease in potatoes. 039029
Chemical and microbial changes in dehulled confectionery sunflower kernels during *storage* under **controlled** conditions. 033271
Controlled-atmosphere *storage* of apples. 033436
What's going on with turnrow **cotton** *storage?* 033294
The *storage* of **cow** eggs at room temperature and at low temperatures [Reproductive physiology]. 034702
The effect of *storage* and **culinary** treatment of irradiated potatoes on the cytogenetic activity of extracts obtained from them. 032499
Content and construction of a "plant production test result" **data** *storage* in the German Democratic Republic. 031316
Prevention of *storage* **disease** in potatoes. 039027
[Negative] changes in stored pomaceous fruit *[Storage* **diseases,** apples, pears]. 033408
Temperature **distribution** in *storage*. 040354
Studies on the survival of thermophilic bacteria during manufacture and *storage* in **dried** milks. 032056
On the cause of [lettuce] seed deterioration in **dry** *storage* [Germination]. 037845
Seed moisture and *storage* **[Effects** on seed quality]. 032911
Dynamics of carbonyl-compound accumulation in irradiated mixed **eggs** during *storage*. 033118
Lignocellulose batteries: potential sources of *stored* **electrical** energy. 035883
Uderground heating of crops and solar **energy** *storage*. 040335
Mounting, dismounting and *storing* the **equipment** for gathering maize spadixes with the self-propelled combine C-12. 040521
Storage **experiments** with strawberries of the variety Red Gauntlet. 033432
Aging of bull spermatozoa during **extended** *storage*. 034637
Study of the effect of forage mixtures with stabilized and non-stabilized knackery fat, used after *storage,* for **fattening** pigs. 034538
Rate of respiration of breeding stock sugarbeets stored in containers and in **fixed** *storage* areas. 037607
Storage of **fowl** semen under reduced pressure. 034707
Biochemical differences between the fed and white meat of tuna and changes in quality during **freezing** and *storage*. 032792
Cassava storage; post-harvest deterioration and *storage* of **fresh** cassava roots. 033468
Fruit *storage* problems in the People's Republic of Bulgaria. 033374
Larger boxes for higher efficiency and lower costs [for *storing* **fruit].** 033375
Structures for plant production. 2. *[Storage,* **fruit,** vegetables]. 040373
Annotated bibliography on low pressure (hypobaric) *storage,* 1968-1973 **[Fruits].** 033444
Organoleptic and chemical evaluation of flavour changes during *storage* of **ghee** prepared from fresh and ripened desi butters. 032966
Farm **grain** *storage* gives you more market muscle. 031719
Falling number and amylograph viscosities of wheat flour made from **grain** *stored* for several years. 033281
A survey of mites in bulk **grain** *stored* on farms in England and Wales. 039414
The origin and sources of mite infestation of *stored* **grain** and related products in the Republic of Ireland. 039419
The use of pirimiphos-methyl to control mites in *stored* **grain.** 039420
Studies of interspecific competition at early growth stages of a population of granary beetles (Oryzaephilus surinamensis L., Sitophilus granarius L. and Rhizopertha dominica F.) [Pests of *stored* **grain].** 039428
Results of one-stage onion **harvest** *[Storage].* 033377
Influence of a preservative on bermudagrass **hay** *stored* with approximately 16 and 24 percent moisture content. 033552
Further improvement of the efficiency of distribution and the economic regulation of [the East German] *storage* **houses.** 031685
The effect of physical conditions on the development and increase of some **important** *storage* mites [Cereals and cereal products]. 039417
Storage of **iron** as ferritin in the liver of the protein-deficient rat. 034207
Use of benomyl in the *storage* of **leeks** [Fungus diseases]. 038626
Processing and *storing* **liquid** honey. 032827
The application of wax emulsion to reduce losses on **long-term** *storage* of apples. 033379
Long-term *storage* of seeds of Haloxylon aphyllum. 035663
Assessment of *storage* **losses,** quality and pesticidal contamination in wheat available in the markets of western Uttar Pradesh, Punjam and Haryana. 5. 039531
On the volatile bases and the volatile fatty acids in pork during the *storage* at **low** temperatures [Keeping quality]. 033045
Comparison between refrigerated sea water (with or without added carbon dioxide) and ice as *storage* **media** for fish to be subsequently frozen. 032739
Storage of **Medicago** sativa—results obtained from a test under controlled conditions of temperature and humidity [Alfalfa, germination]. 037560

An analysis of feeding in Cheyletus eruditus a predator of *storage* **mites** [Acarus, biological control]. 039415
Pest infestation [Coleoptera, Lepidoptera] in *stored* **mushroom.** 039434
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] tomato **mutant** [in *storage].* 033388
Modern gum **naval** *stores* methods. 035891
Influence of controlled-atmospheres on the quality and condition of *stored* **nectarines.** 033387
Ventilation studies on long-term **normal** *storage* of onions. 033380
Stability of pyrethrins in mosquito [Aedes aegypti] coils under long *storage*—**a note.** 039509
Stacking nine large fruit boxes **one** above the other in *storehouses.* 033378
Intercellular spaces of *storing* **parenchyma** studied by electron microscopy in Beta vulgaris [Sugarbeets]. 037428
Quarantine *[storage* **period]** for cattle semen reduced. 034563
Pesticide *storage* houses ready to serve agrochemical operations [Building designs]. 040372
Some laboratory observations on the biology and predaceous activities of the mite Pyemotes ventricosus Newport (Acarina: Pyemotidae) *[Storage* **pests].** 039411
Insect injuries of cereal grains *[Storage* **pests].** 039413
Some useful tips on fumigation of foodgrains *[Storage* **pests,** control]. 039435
Determination of the number of vehicles to perform transportation tasks [of wood from forests to *storage* **places**]. 035869
[Negative] changes in *stored* **pomaceous** fruit [Storage diseases, apples, pears]. 033408
Control of conditions used in **potato** *storage.* 033429
Official limits to *storage* times for **pre-packed** meat and sausage products. 032004
Economic considerations in *storage* and **preservative** treatment of southern pine chips. 035880
Pest control and *storage* **problems** in feed commodities in tropical and subtropical countries. 039431
Temperature control. I. A procedure for profiling temperatures of dairy **products** in *stores.* 032980
The Australian spider beetle (Ptinus tectus) [Pests of *stored* **products].** 039430
Storage **properties** of sweet cherries in dependance of the cooling period. 033434
Dry sausage and raw meat products. II. Raw meat products. Smoking and *storage* of **raw** cured meat. 033057
The bacteriological behavior of beef, vacuum-packed in bags of differing oxygen permeability, under prolonged **refrigerated** *storage.* 033069
Several factors increasing the *storage* **resistance** of sugarbeets. 033292
Survey of the methods for long term storage of poultry eggs. 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) eggs from **retail** *stores.* 033134
Lake Powell sedimentation surveys [Colorado **River** *Storage* Project]. 041375
Induction of outgrowth formation on *storage* **roots** of sweetpotato due to plant pathogenic bacteria. 038870
Research concerning chemical control of *storage* **rot** in potatoes [Fungus diseases]. 038743
Susceptibility of different variety types of [table] beet to *storage* **rot** [Botrytis cinerea] nicity [Botrytis cinerea]. 038810
Optimizing the capacity of a **round-wood** *storage* facility. 035799
Natural enemies of Trogoderma granarium everts infesting wheat in the **rural** *stores* in the Punjab. 039427
Participation of Amadori rearrangement products and carbonyl compounds in oxygen-dependent browning of soy **sauce** [during *storage].* 033253
Sesquiterpene hydrocarbon farnesene and its relation to the apple surface browning, **scald** [during *storage].* 033440
Improving operations of equipping **secondary** *log-storage* depots. 035797
Sediment *storage* in channels draining small forested watersheds in the mountains of central Idaho. 035500
On the problem of hemp **seed** *storage.* 033302
Cytogenetic effect of N-nitroso-N-methyl urea on cells of Crepis capillaris L. **seeds** *stored* for a long time after treatment. 036954
Peroxidase activity in Golden Delicious apples as a possible parameter of ripening and **senescence** [in *storage].* 033415
Methods and costs for the warehouse assembly of grocery orders for **small** *stores* [Wholesale marketing]. 031687
Studies of physiology for development of sour dough-bacteria. 4. The effect of different systems by the *storage* of **sour** dough on its microflora. 033237
About gene banks and *storage* for **sowing** [Field crops]. 036698
Water-supply reservoirs: how much *storage* **space** remains? [Sedimentation]. 041350
Respiration of maleic hydrazide treated and untreated onion bulbs during *storage* **[Sprouting** and behaviour]. 037629
Assessment of the quality loss in wheat damaged by Trogoderma granarium Everts during *storage.* VI. 039425
Rate of respiration of breeding stock **sugarbeets** *stored* in containers and in fixed storage areas. 037607
Effects of *storage* **technique** for immature maize on the utilization of its carbohydrates and nitrogen in growing-finishing swine. 034289
Effect of growing season and different *storage* **temperatures** on the keeping quality of squash fruits. 033360
Keeping quality of fresh date fruits as affected by cultivar and *storage* **temperatures.** 033361
Survey of the methods for long **term** *storage* of poultry eggs. 8. Seasonal changes in interior quality of quail (Coturnixconturnix japonica) eggs from retail stores. 033134
Problems of long **term** *storage* of carrots and cabbage. 033376
Thiabendazole—*storage* of guava fruits [Fungus disease control]. 038717
Long **time** *storage* of beech [Fagus] logs under water sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733
Could the seeds [of winter wheat] treated with [the growth inhibitor] Tur be *stored* for a long **time?** 038191
Containers for *storage* and **transport** of fruit and vegetables [Research projects, Italy]. 031675
Relative costs of wall construction for **underfloor** *manure-storage* tanks [for a confinement swine unit]. 040370
Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) **uponiced** *storage* of unfrozen and of thawed meat, and upon cooking. 032773
Recent results and experience in transport, handling and *storage* of **urea** and other mineral fertilisers. 040915
Count and species composition of microorganisms on *stored* **vegetable** seeds [Tomatoes, melons, celery, onions, bacteria, molds]. 038859
Careful preparation, a major condition for reducing losses on *storage* **[Vegetables].** 033372
Some aspects of the influence of Derno-Podzolic soils on the water chemical composition of Mozhaisk **water** *storage.* 040846
On farm **water** *storage.* 041236
Forced ventilation of a pit silo for **winter** *storage* of potatoes. 040319

STORMS

Stability of the forest with respect to wind and *storm;* **foreword** [Damage]. 035496
Stability of the forest with respect to wind and *storm* as **seen** from experience [Damage]. 035497
A technique for flow measurements in urban runoff studies *[Storm* **sewers].** 041562
Water quality of **urban** *storm* runoff. 041588

STRAIGHTBRED *see* BREEDING

STRAIN

Brucella **abortus** *strain* 45/20 in the control of bovine brucellosis. 034981
The serology of Bordetella bronchiseptica isolated from pigs compared with *strains* from other **animal** species. 034955
A study of toxic effect of the *strains* of **Aspergillus** flavus fungi metabolites, isolted from Soviet-grown cereals. 032146
On the modes of action of three xylanases produced by a *strain* of **Aspergillus** niger van Tieghem [Fungi]. 036730
Controlled fermentation of cucumbers with pure **bacterial** *strains* [Pickling]. 033449
Comparative experiments with hereditary monogern sugar **beet** *strains* in 1973 and 1974. 038001
Immunity trial of fowl pox **'BM'** *strain* vaccine against virulent fowl pox virus (Punjab isolate-1) [Chickens]. 035186
Glucose-6-phosphate dehydrogenase in tobacco **callus** *strains* differing in their growth and their requirement for auxin and cytokinin. 037369
Screwworm flies [Cochliomyia hominivorax] for sterle-male relase: laboratory tests of the quality of **candidate** *strains.* 039487
Heat resistance of ileal loop reactive Bacillus **cereus** *strains* isolated from commercially canned food. 031949
Development and crop bearing of larch (Larix decidua Mill.) *strains* in a **clonal** seed orchard in the Miedzylesie forest district. 035687
The packing of southern bean mosaic virus **[cowpea** *strain]* in various crystal cells. 038924
The role of immune pig colostrum, serum and immunoglobulins IgG, IgM, and IgA in local intestinal immunity against **enterotoxic** *strain* of Escherichia coli O55 in germfree piglets. 035064
Dynamics of the circadian mitotic rhythm during formation of Haplopappus **gracilis** *strains* during culturing in vitro. 036462
Sieving, *straining* and **grading** [Processing dairy products]. 033019
[Mutagenic] effect of DNA from different sources and of different physico-chemical properties on **hystidine-deficient** *strain* of Candida tropicalis D-2 his- [Yeasts]. 036529
Studies on prenatal and postnatal material influence on the progeny in mice. I. Investigations with **inbred** *strains.* 034619
Investigations on genetic constancy or subline drifting of **inbred** *strains* of rats and mice. 034872
The effct of iron on a high-yielding **industrial** *strain* of Penicillium chrysogenum [fungi] and production levels of penicillin G. 037045
High frequency of spontaneous mutations, affecting viability in the chromosome II in **LA** *strain* of Drosophila melanogaster. 039762
A new radiographic method of **laboratory** *strain* measurement in clays. 040581
Investigation of neguvon resistance in a **laboratory-selected** *strain* of Musca domestica L. 039919
A comparison of DNA from free living and endosymbiotic Rhizobium **leguminosarum** *(strain* PRE) [Peas]. 037649
A radial-strain tester for **measuring** *stress-strain* behavior of low-modules textiles [Cotton]. 033158
Effect of **nisin-producing** *strains* [of Streptococcus lactis]on the activity of some common starter cultures. 032965
Fermentative production of citric acid by Aspergillus niger[yeast]: *strain* selection and **optimum** cltural conditions for improved citric acid production. 032867
Study of the antigenic relationship between various *strains* of the **rabies** virus group. 035284
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low **requiring** *strains.* 037125
Failure of attenuated canine distemper virus **(Rockborn** *strain)* to suppress lymphocyte blastogenesis in dogs. 035050
Cell multiplication in a **salt-tolerant** *strain* of Chlorella saccharophila [Algae] under saline condition. 036851
Temperature sensitivity studies on **selected** *strains* of Mycoplasma gallisepticum [Infected chicken flocks]. 035036
Leaf conductance and leaf water status of **sesame** *strains* in hot, dry climates. 037392
The use of concentrated **single** *strain* cheese starters in Scotland. 032982
A method for separation of **slow-growing** *strains* of nocule bacteria [Rhizobium lupini] from their mucus. 040568
The effect of temperature on *strains* of **soft** fruit spoilage fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Inheritance of resistance to cowpea chlorotic mottle virus **(soybean** *strain)* in soybeans. 038895
A *radial-strain* **tester** for measuring stress-strain behavior of low-modules textiles [Cotton]. 033158
Tolerance of alkaline protease of the fungus Torula **thermophila** *strain* UzPT-1 to heating and Ca2+ [calcium] ions. 037233
The virulence of trimethoprim-resistant **thymine-requiring** *strains* of Salmonella [typhimurium, chickens]. 035116
Effect of light spectrum on the growth and sporulation of **two** *strains* of Choanephora cucurbitarum. 038685
The spontaneous mutability in Ulva mutabilis. Occurrence of **unstable** *strains* [Algae]. 036609
Formation of indol compounds by different *strains* of **Ustilago** zeae (Beckm) Ung. [Smut, maize]. 038803
Torula thermophila [yeast] *strain* **UzPT-1,** thermophilous producer of proteolytic enzymes. 037234
Enhancement of the antigenic activity and virulence of the **vaccine** *strain* E of Rickettsia prowazeki by passages in cell culture [Chick embryos]. 034958
Quality of proteins in Verticillium dahliae Klebahn and Fusarium oxysporum f. **vasinfectum** *strains* with different pathogenicity. 038808
Results of a small scale field trial in Nigerian cattle of foot-and-mouth disease vaccines produced from local **virus** *strains.* 035023
The gene dosage effect of the rad52 mutation on X-ray survival curves of tetraploid **yeast** *strains* [Saccharomyces cerevisiae]. 036602

STRAMONIUM

Effect of availability of nitrogen on alkaloid synthesis in Solanaceae [Tobacco, potatoes, **Datura** *stramonium].* 036846

STRATEGY

The ecology and behavior of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two scelionid wasps [Trissolcus bodkini, Phanuropsis semiflaviventris]: *strategy* and **counterstrategy** in a host and its parasites. 039914
The *strategy* of the **fight** against foot-and-mouth disease in the Americas. 035026
Strategy of **hybrid** cotton for prosperity [Culture]. 038007
Seeds for reforestation: a *strategy* for **sustained** supply of indigenous species. 035675

STRATIFICATION

The effect of temperature on the ultrastructure of the cells of the embryos of Euonymus europaea L. in the process of *stratification* and **germination** of seeds. 037898
Changes of enzymatic activity in apple seeds under the **influence** of *stratification.* 037859
Normapolles pollen from the Mississippi embayment. Taxonomy and *stratigraphic* **ranges** of Normapolles genera and species found in Mississippi embayment rocks [New taxa]. 036020
Stratified **sampling** of soil moisture. 040705
Some observations of velocity fluctuations in a **strongly** *stratified* estuary using an ultrasonic transit-time-difference current meter [Water quality]. 041323

STRATOSPHERE

Chlorofluoromethanes in the *stratosphere* and some **possible** consequences for ozone [Atmospheric pollution]. 041489

STRAW
Structural changes in [wheat] *straw* as **affected** by rumen microflora [Cattle, feed digestibility]. 034522
Sodium hydroxide treatment of **barley** *straw;* effect of volume and concentration of solution on digestibility and intake by sheep. 034276
A comparison of supplementary sources of nitrogen and energy for increasing the voluntary intake and utilization of **barley** *straw* by sheep. 034398
Cereal *straw* production and utilization in England and Wales [Statistics]. 033286
Straw as **coarse** feed. 033590
Straw, a **fixed** component of our feed industry [East Germany]. 033579
Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of bovine spermatozoa frozen in **French** *straws.* 034664
The control of the quality of **harvesting** *straw* and chaff [of cereal crops]. 038197
Semisolid fermentation of ryegrass **[Lolium]** *straw.* 033157
Demonstration of a **mechanized** *straw* harvest [Equipment]. 040497
Treatment of **moist** *straw* under the management of the BrunauAgrochemical Center [East Germany]. 033554
Results of studies investigating the chewing and ruminating activity of cows fed rations of differently **processed** *straw* or straw treated with liquid sodium hydroxide. 034313
Fermented feed production from **rice** *straw.* 033499
Ruminal properties and plasma free amino acids of cows fed purified diets containing urea or soy protein together with **rice** *straw.* 034425
Results of studies investigating the chewing and ruminating activity of cows fed rations of differently processed straw or *straw* **treated** with liquid sodium hydroxide. 034313
The combined composting of **waste** *straw* and sewage sludge. 041130

STRAWBERRIES
Development and yielding ability of Fragaria ananassa Duch. *[Strawberry]* as **affected** with gibberellin. 037849
Producing seedlings in a *strawberry* **breeding** programme. 036490
Some views concerning short day effects on [growing] Redgauntlet under glass *[Strawberry* **cultivars].** 037878
Strawberry **cultivation** in 1975 in western North Brabant. 038516
Some timely points on parasite control in *strawberry* **cultivation** [Insects, nematodes]. 039073
Formation of volatile **esters** in *strawberries.* 033319
Comparison of two planting systems with *strawberries* under **glass.** 038511
Strawberries: **harvesting** ideas from America's favorite fruit. 032638
A prototype of a machine for the mechanized **harvesting** of *strawberries.* 040486
The effect of several growth regulators on the root system of *strawberry* **runner** plants. 037645
Prothiocarb as a means of controlling Phytophthora cactorum(Leb. & Cohn) **Schroet.** on *strawberries.* 038826
Verticillium wilt of *strawberry.* II. **Study** of the diffusion of the pathogen agent in the stolon tissues and in young plants. 038729
"Security times" [residue] research of some pesticides **usedon** *strawberry.* 039553
Storage experiments with *strawberries* of the **variety** Red Gauntlet. 033432
Benomyl tolerance in Verticillium dahliae **[Wilt,** *strawberries].* 038564

STREAK
Ferritin in insect vectors [Cicadulina mbila] of the **maize** *streak* disease agent electron microscopy and electron microprobe analysis. 038923
Cytopathology of large cardamom and ginger infected with wheat **mosaic** *streak* virus. 038680
Fluorescence microscopy in relation to wheat **mosaic** *streak* virus disease. 038910

STREAM
Chemistry and vegetation of highly **acidic** *streams.* 041247
The Niagara River **acoustic** *streamflow* measurement system. 041332
Trials and tribulations in operating an **automatic** *stream-quality* sensing network [Water, computers]. 041334
Algal nitrogen fixation in **Californian** *streams:* seasonal cycles. 036949
Algal nitrogen fixation in **Californian** *streams:* diel cyclesand nocturnal fixation. 036950
Mineralogy of topsoils and subsoils from **Camp** *Stream* Catchment of the Waimakariri Valley, New Zealand. 040703
Characteristics of stable natural *[stream]* **channels** and their relation to channel design. 041369
SIngle velocity method in measuring *[stream]* **discharge** [Water flow]. 041322
Conidia in the foam of two **English** *streams* [Aquatic fungi]. 036153
A preliminary study of aquatic hyphomycetes on leaves in forest and *stream* **leaf** litter. 036230
Jet boat: tellurometer technique for **measuring** *streamflow* in large rivers. 041308
A time related automatic total-load sediment sampler [for **measuring** *streams].* 041366
A survey of the invertebrates of four *streams* in the **Moor** House National Nature Reserve in northern England [Includes insects]. 040083
On the ecology of caddisflies (Trichoptera) from **mountain** *streams* of southern Tien-Shan (The fauna of the Ak-Bura river). 039717
Model study of the drag coefficient of a *streambed* **particle** [Sedimentation]. 041376
The thermostability of two types of **protoplasmic** *streaming* in Physarum polycephalum [Fungi] plasmodia. 037323
Calculating the *stream* **rate** of flow-formers [Hydraulics, logging rafts]. 035794
Application of Thiery's method of comparison for predictingthe gradient stability of some *streams* of **Sieve** Valley [Flood control]. 041346
Variations of biochemical oxygen demand and dissolved oxygen in a **steady** *stream* by integration of a hyperbolic differential equation [Water pollution]. 041485
Notes on parasitism of black flies (Diptera: Simuliidae) in *streams* **treated** with Abate. 039481
The constituents of the *stream* **volatile** oil form Chrysanthemum coronarium L. var. spartiosum Baileg. 037758
Observations on Batrachospermum (Rhodophyta) in southeastern **Wisconsin** *streams* [Algae]. 036135

STREPTOCOCCUS
Comparative study of moderate and virulent phages of mesophilous lactic **acid** *streptococci.* 033021
The role of sugar in the development of dental **caries** *[Streptococcus].* 032476
Study on *enterococci* in **commercial** cow's and ewe's milk [Contamination]. 032159
The bacteriological composition of some commercial starters used for Gouda cheese manufacturing *[Streptococcus* **cremoris,** Streptococcus lactis, Streptococcus diacetilactis]. 033030
Preweaning mortality in pigs. 6. Incidence and causes of pneumonia *[Streptococcus,* **Haemophilus** parahaemolyhticus, Bordetella bronchiseptica]. 035174
The bacteriological composition of some commercial starters used for Gouda cheese manufacturing [Streptococcus cremoris, *Streptococcus* **lactis,** Streptococcus diacetilactis]. 033030
Effect of nisin-producing strains [of *Streptococcus* **lactis]on** the activity of some common starter cultures. 032965
The effect of *streptococcus* on the **persistence** of Brugia malayi and on the production of elephantiasis in cats. 035095

STREPTOMYCES
Effect of pepsin inhibitor (S-PI) *[Streptomyces* **naniwaensis]** on the growth and carotene formation of Rhodotorura glutinis [Yeasts]. 037005
Control of potato scab by cultural practices *[Streptomyces,* **Spongospora** subterranea]. 038836

STREPTOMYCIN
Effect of *streptomycin* on **chlorophyll** biosynthesis in wheat seedlings. 037581
The effect of simultaneous short term action of *streptomycin* and **humate** on plants [Wheat, barley, Crassula portulacea]. 037370
Development and properties of *streptomycin* **resistant** cultures of Erwinia amylovora derived from English isolates [from pear, apple and hawthorn trees]. 038864

STRESS
Bulgaria *stresses* grains, oilseeds [Production]. 031602
An explosion of leaf growth after *stress* **conditions** [Maize]. 037489
A hydraulic triaxial apparatus for **controlled** *stress* path testing [Soils]. 040580
Mediation of glucagon in the response of the domestic **fowl** to *stress.* 033864
Phytophthora root rot [Phytophthora megasperma] in seedingyear alfalfa as affected by management practices **inducing** *stress.* 038598
A radial-strain tester for **measuring** *stress-strain* behavior of low-modules textiles [Cotton]. 033158
Effects of **moisture** *stress* on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of Western Australia. 037036
The effect of **physical** *stress* on the values of the indexes of the acid-base homeostasis of the blood of pigs. 034227
What is a *stress-sensitive* **pig?** 033905
Explorations of **principal** *stress* space with kaolin in a true triaxial apparatus [Soil testing]. 040586
Carbohydrate tolerance test in buffalo calves under normal and *stress* **situations.** 033976
Stress **syndrome** in swine. 035387
Flow-velocity and *stress* **tensor** [in flowing water] determined by experiment. 041303
The influence of driving methods on the *stresses* to which **tractor** parts are subjected. 040438
Gas exchange of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and **water** *stress.* 037037
Effects of **water** *stress* on the ultrastructure of leaf cells of Sorghum bicolor. 037520
Auxin-induced hydrogen ion excretion: correlation with growth, and control by external pH [hydrogen-ion concentration]and **water** *stress* [Oats]. 037528
Development of **water** *stress* in kale leaves of different insertion levels. 037663
Effect of **water** *stress* on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and fungal pathogens]. 037919

STRIATELLUS
Purification of rice stripe virus [transmitted by **Laodelphax** *striatellus].* 038884
Fungitoxicity and insecticide synergism of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, **Laodelphax** *striatellus,* Spodoptera litura]. 039529

STRIATION
Evidence for a structural relationship between successive parrell tubules in the SR network and **supernumerary** *striations* of Z line material in purkinje fibers of the chicken, sheep, dog and rheusus monkey heart. 034069

STRIDULATION
Stridulation by **Carabus** irregularis Fabr. (Coleoptera, Carabidae). 039961

STRIP
Anodic *stripping* voltammetry—a new, simple answer for lead residue analysis [in food]. 032016
Use of differential pulse **anodic** *stripping* for trace elements in sugar products. 033188
Dry barking of birch pulpwood by drum **bark** *stripping* machines. 035767
Revegetating **bituminous** *strip-mine* spoils with municipal wasstewater. II. Quality of the leachate and spoil chemical changes. 040899
Elongated *strip* field and previllage, a contribution to the land settlement geography of western Germany [History]. 031174
Elongated *strip* fields in old northwestern North Germany [Land settlement, history]. 031175
Regular **elongated** *strip* fields and Frankish colonization: an investigation of their relations in the western areas of the Upper Rhine and in other German districts [Land, history]. 031185
The **northern** *strip* field [Land settlement, history]. 031189

STROMA
Fat metabolism in higher plants: production of short- and medium-chain acyl-acyl carrier protein by **spinach** *stroma* preparations treated with cerulenin. 037653

STRONGYLOIDES
Immunodiffusion and electrophoretic analysis of antigens from *Strongyloides* **papillosus** [obtained from infected rabbits]. 035008
Strongyloidosis *[Strongyloides* **ransomi]** in swine. 034997

STRONGYLOIDIASIS
Strongyloidosis **[Strongyloides** ransomi] in swine. 034997

STRONTIUM
Studies on the uptake of calcium and *strontium* by **isolated** periosteal cells [Chickens]. 034143
Entrance of 90 Sr *[strontium* **isotope]** into meadow grasses from different soils of the Nonchernozemic zone [Radioactive contamination]. 033567
90SR-90Y *[strontium-yttrium* **isotope]** dose distribution in Beagles: injection relative to ingestion [Dogs]. 033915
The fractional composition of *strontium* 90 **[isotope]** and calcium in plants as related to the application of calcium, potassium and sodium to soil [Kidney beans, oats, radioactive contamination]. 040877
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and *strontium-yttrium* **isotope]-labeled** Beagle humeri [Dogs]. 033910
Absorption of *strontium-90,* **potassium** and calcium by oat plants from soil during ontogenesis. 037420
Mechanism of the development of *strontium* **rachitis** [in chickens]. 035389
Reclamation of soils contaminated with **radioactive** *strontium.* 041190
A comparison of *strontium* **selenite** broth and mannitol-selenite-cystine broth in the isolation of salmonellae from egg products. 031962
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of **Sr90** *(strontium* isotope] administration and age of animals [Swine, dogs]. 034168
Morphological and biochemical blood changes in cows chronically exposed to *strontium* 90. 034243

STRYCHNOS
Pharmacological investigation of an alkaloid fraction isolated from *Strychnos* **potatorum** Linn. 036995
Investigation of Strychnos spp. III. Study of triterpenes and sterols of *Strychnos* **potatorum** seeds. 037193

STUBBLE
Stubble **crops** of proso under irrigation. 038181
Soybean cultivation in *stubble,* under **irrigation** in Dobrudsha. 038120

STUDENTS
Motivation of study of **agricultural** *students* during their tuition. 031025
Young people for agriculture and horticulture. Report of (a) an inquiry of 1,000 agricultural businesses; (b) and inquiry of 1400 *students* of **agricultural** and horticultural. 038406
World food situation: perspectives for *students* in **agriculture.** 031886
College *students* recruited for war on food waste. 032574
A computer-based method of **examining** *students* in farm management. 031280
Student **guides** in Vermont lead natural resource studies. 041663
High school vender product sales average less than 4 items per **month** for each *student.* 032561
Personality, perserverance, planning = **prepared** *students.* 032593
Student **trainees** in SCS [Soil Conservation Service]. 041204
Animal behavior as a subject for **veterinary** *students.* 033873

STUMP
Rooting of cuttings from tops and *stumps* of **American** elm [Ulmus americana to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Chemical treatment and inoculation of **hardwood** *stumps* for control of Armillaria mellea. 038565
Effect of variable plant heights and *stump* **heights** on the growth, yield and quality of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). 038031
Effect of chemical treatment of *stumps* from **improvement** cutting areas on the population and destruction by root rot. 038745
Appraisal of the effectiveness of treating **pine** *stumps* by artificial inoculation with the fungus Phlebia gigantea (Fr. donk) on semi-economic scale [Fomes annosus, biological control]. 038814
Bibio marci L. (Diptera, Bibionidae) bred from a **rottin** *stump*. 039701

STUNT
Sugarcane: heat treatment for control of **ratoon** *stunt* [Xanthomonas]. 038854

STYLETS
Observations of the penetration of the phloem in leaves of Nerium oleander (Linn.) by *stylets* of the **aphid,** Aphis nerii (B. de F.). 036349

STYRENE
Role of geometrical structure of fatty-acid radicals in dehydrated castor oil in its **reaction** with *styrene*. 032859

SUBANTARCTIC *see* ARCTIC

SUBARCTIC *see* ARCTIC

SUBCELLULAR *see* CELLS

SUBCUTANEOUS
Subcutaneous **fat** thickness of beef carcasses. 033041

SUBEPIDERMAL *see* CUTANEOUS

SUBHUMAN *see* HUMAN

SUBLETHAL *see* LETHAL

SUBLIMATION
Advances in the theory of **ice** *sublimation* [Freeze drying]. 032737

SUBMANDIBULAR *see* MANDIBLES

SUBMAXILLARY *see* MAXILLARY

SUBMERGENCE
Effect of *submergence* on the **physico-chemical** and chemical changes in different rice soils. I. Kinetics of pH, Eh, C and N [Hydrogen-ion concentration, oxidation reduction potential, carbon, nitrogen and phosphorus]. 040552
A model for the simultaneous production and diffusion of ferrous iron in *submerged* **soils.** 040755

SUBMONTANE
Effect of erosion processes on organic substances of Chestnut soils in *submontane* **zone** of the Great Caucasus within Azerbaijan SSR. 041186

SUBSIDY
Positive and negative aspects of *subsidies* to **agriculture.** 031623
Comments on cost benefit analyses of *subsidies* for **dairy** plants. 031409
Renovate, with or without **incitement** *subsidy* [Grape culture]. 031370
What are *subsidies?* 031624

SUBSISTENCE
World priority number one: **population** and *subsistence*. 031789

SUBSTITUTION
Heat exchange through blackcloth and **blackcloth** *substitutes* [for the use in commercial greenhouses to shorten the day length for off-season flowering of chrysanthemums]. 037711
Substitution of **cellular** fatty acids in yeast [Saccharomyces cerevisiae] cells by the antibiotic cerulenin and exogenous fatty acids. 036822
Metabolic interrelations of *hydroxy-substituted* **ether-linked** glycerolipids in the pink portion of the rabbit Harderian gland. 033764
Beet pulp and dried manure as a nitrogen source (protein) *substitute* for **fattening** bulls. 034327
Possibilities of *substituting* **feeds** of animal origin by plant protein feeds in broiler production. 034395
Bone resorbing activity of vitamin D metabolites and congeners in vitro: influence of **hydroxyl** *substituents* in the a ring. 032215
Substitution of **labour** and energy in agriculture and options for growth. 031362
Substitution of **lysine-supplemented** high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of **lysine-supplemented** high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Kids can be raised on limited amounts of **milk** *substitutes*. 034364
Further studies on the peptido-galactomannan from the yeast form of Cladosporium werneckii. Identification of **O-acetyl** *substituents* and isolation of the peptide components following-beta-elimination. 036783
Manipulation of galactolipid fatty acid composition [of wheat] with *substituted* **pyridazinones.** 037523
Cassava as a **total** *substitute* for cereals in livestock and poultry rations. 033517
Flours made from edible yams (Dioscorea spp.) as a *substitute* for **wheat** flour. 033417

SUBSTRATE
Effect of *substrates* on **acetoin** production by Torulopsis colliculosa [Yeasts] and Enterobacter [Bacteria] species. 036777
Is the early development of the chick embryo affected by the presence of various concentrations of **antibiotics** in the *substratum?* 034142
The development of periphyton [benthic algae] on **artificial** *substrates*. 036965
Mist propagation of cassava tip cuttings for nutritional studies: effects of *substrate* **calcium** concentration, temperature and shading. 038509
Autolytic properties of some lactic acid bacteria used in cheese production. II. Experiments with **fluid** *substrates* and cheese. 032993
Anthurium andreanum Lindl. In hydroponic culture: **influenceof** *substrates* and of nutrition on formation of calcium oxalate. 036767
Changes in polyphenoloxidase activity and *substrate* **levels** in maturing 'Golden Delicious' apple and other cultivars. 037729
Biomass producton [for food and feed] on various *substrates* using **microbiological** processes. 037083
Influence of *substrate* **moisture** level on the germination of seed of selected Pinus species. 037936
Interactions of mycotoxins [produced by toxicogenic fungi] with *substrate* **molecules** and macromolecules [Food research]. 032112
Influence of *substrate* **n-alkane** composition on lipid biosynthesis by the yeast Candida guilliermondii [Animal feed, industrial fats]. 033502
Proteolytic activity of beef liver determined by **natural** *substrates* labelled with 125I [Iodine isotope]. 034223
Annotated bibliography on *substrates* and **nutrients** for orchid culture including references to seed germination, 1969-1974. 038448
Sequential *substrate* removal in activated sludge systems fed with naturally occurring wastewater. 041643
Disulfide bond-modified trypsinogen: Role of disulfide 179203 on the specificity characteristics of bovine tryspin toward **synthetic** *substrates*. 034038
Protection of cytochrome P-450 by *substrates* against **Tween-80-assisted** thermal denaturation [Saccharomyces cerevisial]. 037309

SUBSURFACE *see* SURFACE

SUBTERRANEAN
Soil protozoa—animalcules of the *subterranean* **microenvironment.** 040656

SUBTROPICAL
Age-survival curves for workers of two eusocial bees (Apis mellifera and Plebeia droryana) in a *subtropical* **climate,** with notes on worker polyethism in Plebeia droryana. 040242
Pest control and storage problems in feed commodities in tropical and *subtropical* **countries.** 039431
Research on *subtropical* **fruit** trees. 038341
Thermal hardening of the cells of higher plants in the **semiarid** *subtropics*. 037272
Subtropical and **tropical** soils of India. 040616

SUBUNITS *see* UNITS

SUBURBS
Distribution and population constitution of Drosophila in South East Asia and Oceania. II. Drosophilidae in the *suburbs* of **Kuala** Lumpur, west Malaysia [New taxa]. 040104
Observations on the re-establishment of Aedes aegypti population in Poona City and *suburbs,* **Maharashtra** State, India. 039463

SUBZERO *see* COLD

SUCCINAMIC
Effect of B-995 (**N-dimethylamino** *succinamic* acid) on growth, flowering and mineral accumulation of tobacco plants. 037335

SUCCINATE
Activity of *succinate* **dehydrogenase** in self-pollinated lines and hybrids of maize. 037602

SUCCINYL
Activity and localization of *succinyl-conzyme* A **synthetase** in tobacco leaves infected with tobacco mosaic virus. 038900

SUCCULENTS
Interesting cactus areas in **Bolivia.** 7 *[Succulents].* 036146
Morphological wealth in **Gymnocalycium** *[Succulents].* 036360
Kenyan *succulents* [Cultivation]. 038294
Rebutia (Aylostera) frohlichiana Rausch spec. Nov. *[Succulents,* **new** taxa]. 038502
Succulent **safari** in Kenya and Tanzania. 9. 036147
Constructing a timber propagator [Cacti and *succulents,* **seed** trays]. 040470
True to **type** *[Succulents].* 036004
Aztekium ritteri Boedeker *[Succulents,* **varieties].** 038496
Crassula cv. **"Isabella",** a new hybrid *[Succulents,* **varieties].** 038497
Haworthia *[Succulents,* **varieties].** 038498
Notocactus H 339 *[Succulents,* **varieties].** 038500
Notocactus H 80 *[Succulents,* **varieties].** 038501
Trichocereus fulvilanus Ritter, some more *[Succulents,* **varieties].** 038503
Wigginsia horstii *[Succulents,* **varieties].** 038504
Wigginsia macrogona *[Succulents,* **varieties].** 038505

SUCKERS
Sucker **control:** a review of experimental work 1966-1974 [Tobacco growth inhibitors]. 037487
Tobacco *sucker* control in New Zealand using spray-applied chemical control agents. 037488

SUCKING
Ultrafine structure of the integument of the **[blood** *sucking]* tick Hyalomma asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504
Semiautomated determination of Di-Syston in granular formulations [Systemic insecticide, for the control of *sucking* **insects** and mites on plants]. 039227
Surveys on the **milk** *sucking* problem in cattle. 034927
Occurrence of arthritis in *sucking* **piglets** in an industrialised pig breeding unit. 035363
Results of studies on **udder** *sucking* in heifers kept in industrial conditions [Cattle]. 034924

SUCKLING
Equipment for total collection of feces from lambs during *suckling* or **fattening** and for ewes. 040453
A comparison of rations for *suckling* **lambs** on heavily stocked permanent pastures. 034464
Suckling **mouse** cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492
Thyroxine utilization rate in *suckling* **pigs.** 033724

SUCROSE
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C **[carbon** *isotope]-sucrose* incorporation in their tissues. 039110
Isolation of plasma membranes from corn roots by *sucrose* **density** gradient centrifugation: an anomalous effect of Ficoll. 037522
Thermal inactivation of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, *sucrose,* and **sodium** chloride [Food contamination]. 032102
Industrial **uses** for *sucrose.* 033247

SUCTION
Three *suction-type* spore samplers [for collection of airborne pathogenic fungi]. 038775

SUDANGRASS
Sudangrass **[Sorghum** vulgare sudanense] in the Tambov Region [Yields, culture]. 038064
Effect of urea and ammonium sulphate applied before sowing on *sudangrass* **[Sorghum** sudanese] seedlings. 040993

SUGAR
The effects of removal of sodium ions from the mucosal solution on *sugar* **absorption** by rabbit ileum. 033815
Experimental station of the South **African** *Sugar* Association, Agronomic Section [Sugarcane culture]. 037981
The president of the *Sugar* and **Alcohol** Institute [of Brazil] talks to sugar producers [Markets]. 031558
Contribution to the systemic treatment of *sugar* and **alcohol** production. I. 033191
Genetic Program of the *Sugar* and **Alcohol** Institute, National Program for Sugarcane Improvement, Brazil. 036400
Phytopathology program of the National Program for Sugarcane Improvement, the *Sugar* and **Alcohol** Institute, Brazil. 038962
Sugar laboratory problems. V. New table for corrections of readings of conductometric ashes obtained on the Buse-Todt-Gollnow universal rafinometer *[Sugar* **analysis].** 033193
Comparison of the interrupted and direct methods of *sugar* **beet** transports. 033138
A few timely questions of *sugar* **beet** production in Hungary. 037999
Effect of plant density and row width on yield and quality of *sugar* **beet** drilled to stand. II. Plant spacing by drilling to a stand. 038219
Bolivian *sugar* industry, 1971-1973. 031794

The **brown** *sugar* and coffee industries [Productive capacity, outlook, Colombia]. 031914
Cane *sugar* and silicon compounds. 033159
Optimum conditions for determining individual minor constituents in **cane** *sugar* by gas-liquid chromatography [Analysis]. 033178
Proceedings of the 1974 Technical Session on **Cane** *Sugar* Refining Research, Cherry Hill, New Jersey, October 20-22, 1974. 033182
List of publications of the XV congress of the International Society of *Sugar* **Cane** Technologists held in Durban (South Africa) June 13 to 29, 1974. 038087
Sugar: **characteristics,** classification and refining of the product. 033192
Weak polar cardenolide from Convallaria majalis L. Allomethylose as a *sugar* **component** of Convallaria glycosides. 13. 037150
Sugar **composition** of ergot honeydews [Claviceps, Sphacelia]. 038586
Correlation between the weight of root and *sugar* **content** in di- and tetraploid variety line sugarbeet hybrids. 037570
Effect of planting and harvest dates, location in the hill and tuber size on *sugar* **content** of Kennebec potatoes [in North Dakota]. 038255
Marketing is a two-way street *[Sugar,* **corn** syrup, prices]. 031556
From the alternatives of 1974 to the prospects of 1974 *[Sugar* **demand** and prices]. 031555
Intestinal uptake by starved-refed rats of *sugars* **derived** from disaccharides and from their monosaccharide equivalents. 032412
The role of *sugar* in the **development** of dental caries [Streptococcus]. 032476
Sugar in the **diet** of man. 032505
Sugar in the **diet** of man; a summary. 032506
Change in the *sugars* of **Egyptian** [barley] malt during mashing. 033151
Possibility of increasing the sugar yield by adding sulphur dioxide and calcium bisulphite during *sugar* **extraction.** 033312
Sugar **extraction** by diffusion under non-steady conditions. 033314
Adsorption of the colouring matters of *sugar* **factory** juice on calcium carbonate. 033218
Sugar **factory** effluents. 041597
The dependence of the fermentation rate from the concentration in the medium of the **fermented** *sugars.* 033475
Sugar in **first** place in Brazil [Prices, exports]. 031557
Influence of *sugar* **food** on the quality of winter honeybees. 040205
Productivity and feeding value of *[sugar* and **forage]** beet varieties and hybrids. 038062
Sugar **form** paper filters [Lignin research]. 035839
A *sugar-free* **formula** for regular and high-protein breads [Wheat flour, soy flour]. 033189
Sugar and **honey** types [Plant physiology and biochemistry]. 036803
Finance and accounting for the *sugar* **industry.** 031468
Unprecedented crisis facing the *sugar* **industry** in Bihar [Cost increase]. 031469
Problems and prospects of *sugar* **industry** [Production, trade, prices]. 031662
Current problems of trade policy and raw material economy [in *sugar* **industry].** 031939
Preventive measures against dust explosions in the *sugar* **industry.** 033313
The vibratory spray washer and its application in the *sugar* **industry.** 033315
Technology and water purification in the *sugar* **industry.** 041678
Invert *sugar* degradation during juice purification in the presence of atmospheric oxygen. Results obtained from industrial experiments. 033311
Use of **invert** *sugar* in honeybee feeding. 040255
Sugar **laboratory** problems. V. New table for corrections of readings of conductometric ashes obtained on the Buse-Todt-Gollnow universal rafinometer [Sugar analysis]. 033193
Prospects in industrial production of **liquid** *sugar.* 033241
The extraction of sugar and non-sugars—optimization of the parameters: draft and *sugar* **loss.** 033308
Relationship between root color and economically valuable traits in tetraploid hybrids between *sugar* and **mangel-wurzel** beets. 036468
Starch: its occurrence, importance, and removal in *sugar* **manufacture.** 033186
Seed source effects on *sugar* **maple** [Acer saccharum, culture]. 038253
The *sugar* **market** in the United States of America. 031518
Effect of Ginseng [Panax ginseng] extract on lipid and *sugar* **metabolism.** I. Metabolic correlation between liver and adipose tissue [in rats]. 032200
Milk *sugar,* an ingredient of fat-free milk solids for ice cream manufacture. 033036
Comparative experiments with hereditary **monogern** *sugar* beet strains in 1973 and 1974. 038001
Transport and conversion of *sugars* in **nectaries** in connection with the secretory function [Asclepias, pumpkins]. 037283
New *sugar* standards [Quality]. 032058
Automated hydrolysis of **nonreducing** *sugars* and fructosans from plant tissue [Grasses]. 037387
The extraction of *sugar* and **non-sugars**—optimization of the parameters: draft and sugar loss. 033308
The importance of *sugar* in the **nutritional** management of the Dutch population. 032475
The extraction of sugar and *non-sugars*—**optimization** of the parameters: draft and sugar loss. 033308
A chemical analysis of *sugar* and **pollen** in some types of Danish honey. 032916
Determination of lead, cadmium, and zinc in *sugar* [for **possible** contamination]. 032066
Concerning the influence exercised by air contained in heating steam of temperature drop in processes of heat transmission *[Sugar* **processing].** 033306
O-alpha-D-glycopyranosyle-(1 to 5)-D-arabinofuranose—a type of disaccharide synthetized bacterioenzymatically *[Sugar* **processing].** 033307
The president of the Sugar and Alcohol Institute [of Brazil] talks to *sugar* **producers** [Markets]. 031558
Need for fuller capacity utilisation *[Sugar* **production].** 031661
Participation of suppliers *[Sugar* **production].** 031796
Use of differential pulse anodic stripping for trace elements in *sugar* **products.** 033188
A practical approach towards better *sugar* **quality** at low cost. 033244
Effect of phosphate constituents on the *sugar* **refining** process. 033169
Sugar **refining.** 033242
Cellular funds of *sugars* and **respiration** [Peas]. 037858
Fermentation of various *sugars* in **Saccharomyces** ellipoideus and Schizosaccharomyces pombe [Wine musts, yeasts]. 033337
The beginning of White **Satin** *sugar*—the sugarbeet seed. 038159
Smut [Ustilago **scitaminea]** on *sugar-cane.* 038780
Government policy of investment in the *sugar* **sector.** 031434
Activities of **specialized** *sugar* beet producing model farmes in 1974. 038000
Carbohydrate changes in invert syrups [in **sugarcane** *sugar* manufacture]. 033160
Colorant formation under refining conditions **[Sugarcane** *sugar].* 033162
Fluorescence measurements and pH [hydrogen-ion concentration] sensitivity as predictors of color removal in process **[Sugarcane** *sugar].* 033172
Using *sugar* **syrup** in the food industry. 032900
Gas chromatographic method for determining acids in **technical** *sugar* juices. 033310
Sugar **terminal** at the port of Maceio, Alagoas [Storage]. 033194
Effect of monovalent cations on transport of *sugars* in **tissues** of sugarbeets. 037425
Effect of variety and harvest date on **tuber** *sugars* and chip color [Potatoes]. 033324
Effect of sodium metasilicate (foliar application) on juice quality, fiber and yield of *sugar* in Co. 419 **[variety].** 040984
Desugarization of molasses increase of yield of **white** *sugar.* 033219
Availability of applied phosphate in the soils of **white** *sugar* belt of North Bihar. 040982
Record **world** *sugar* crop to exceed demand [Situation]. 031581
Resistance in Digitaria to the **yellow** *sugar-cane* aphid, Sipha flava (Forbes). 039306
Possibility of increasing the *sugar* **yield** by adding sulphur dioxide and calcium bisulphite during sugar extraction. 033312

SUGARBEETS

Effect of sodium on the growth of and ion uptake by barley, *sugarbeet* and **broadbeans.** 037467
Chinoin Fundazol [fungicide] 50 WP spray *[Sugarbeets,* **Cercosopora].** 038600
Seedling [fungus] diseases of *sugarbeet* and their **chemical** control. 038716
The *sugarbeet* **cooperative** Kats [Harvesting]. 031353
Research on the *sugarbeet* **crop.** 037969
Wheat in *cereal-sugarbeet* **crop** rotation. 038206
Manure in a *cereals-sugarbeets* **crop** rotation on deep Chernozems. 040870
Rationalization of *sugarbeet* **cultivation.** 038038
Better ploughing and **cultivations** for *sugarbeet.* 037978
Increasing and improving the productivity of *sugarbeet* **culture.** 037955
New ways of stripe drilling *[Sugarbeet* **culture].** 038002
Crushing roots by **cutting** *[Sugarbeets].* 033139
Chemical control of the *sugarbeet* **cyst** nematode [Heteroderaschachtii] in Imperial Valley. 038965
Combination of different inbreeding systems for the **development** of *sugarbeet.* 036640
Nutritive value of **dried** *sugarbeet* pulp (Beta saccharifer) [Buffalo bulls]. 034391
Effect of plant density and row width on yield and quality of *sugarbeet* **drilled** to a stand. I. Stimulated plant spacing. 038218
Use of the machine SPC-6 in **drilling** *sugarbeets.* 040526
Some knowledge obtained from irrigation and fertilization of *sugarbeet* in the **East** Slovakian Lowland. 041403
Autumn application of **fertiliser** [for *sugarbeets].* 037977
Mineral **fertilization** of *sugarbeets.* 041078
Foliar diagnosis and application of **fertilizers** to *sugarbeets.* 040862
Some effects of soil type and crop density on the activity and abundance of the epigeic fauna, particularly Carabidae, in *sugarbeet* **fields.** 039291
Bolting of *sugarbeet* **grown** in England. 037496
Choice of machines in relation to management of *sugarbeet* **harvest.** 031352
Production of *[sugarbeet]* **harvesting** machines in [West] Germany and France in large quantity. 040550
High yields of *sugarbeet* per **hectare.** 038109
Experiments on the effect of hormone weedkillers **[herbicides]** on *sugarbeet.* 039137
Experimental results obtained with non-conventional fertilizers in **irrigated** *sugarbeet* crops. 041053
Changes in leaf area and specific leaf weight of *sugarbeet* **leaves** during the growing season. 037388
Trials with **lightweight** *sugarbeet* toppers. 040458
Correlation between the weight of root and sugar content in di- and tetraploid variety **line** *sugarbeet* hybrids. 037570
Green manuring and output of *sugarbeets* on **loamy** soil. 040889
Improvements that turned a harvester into a dream **machine** *[Sugarbeets].* 040457
Achievements in breeding of **monogerm** *sugarbeets.* 036624
On the chemical composition of **monogerm** *sugarbeet* seeds. 037606
Irrigation amount and number of single irrigation quantities in the *sugarbeet* during the **ontogenesis.** 041402
Prospects of studies of **polyploidy** in *sugarbeets.* 036652
Efficiency of *sugarbeet* **production** under conditions of intensified specialization. 031390
Poisoning in cattle caused by a batch of *sugarbeet* **pulp.** 035430
Weed control **research** in *sugarbeets.* 039103
Several factors increasing the storage **resistance** of *sugarbeets.* 033292
On the nature of male sterility occurring in the seed progeny of **scions** in *sugarbeet.* 036685
The growth inhibitors in *sugarbeet* **seed** balls. II. Isolation of potassium nitrate as the germination inhibitor and hypocotyl stimulating substance. 037545
Sugarbeet **seed** production in Egypt. 038152
The beginning of White Satin sugar—the *sugarbeet* **seed.** 038159
Some observations on assessing Phoma betae [blackleg] infection of *sugarbeet* **seed.** 038567
Soviet *sugarbeet* harvest below target [Production]. 031612
Rate of respiration of breeding **stock** *sugarbeets* stored in containers and in fixed storage areas. 037607
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on yield of *sugarbeet* and **subsequent** barley crops. 038953
Response by *sugarbeet* to **superphosphate,** particularly in relation to soils containing little available phosphorus. 040994
Effect of monovalent cations on transport of sugars in **tissues** of *sugarbeets.* 037425
Intercellular spaces of storing parenchyma studied by electron microscopy in Beta **vulgaris** *[Sugarbeets].* 037428
Nitrogen [for *sugarbeets]:* why **waste** money? 040892

SUGARCANE

Sugarcane **agriculture** in South Africa. 038092
Weed species of *sugarcane* in the **Argentine** Republic. 039179
Sugarcane as the **basis** for intensive animal production in the tropics [Cattle, feeding]. 034369
Boosting *sugarcane* quality through nitrogen application in relation to irrigation. 040983
Some light trap investigations in the assessment and forecasting of *sugarcane* **borers.** 039253
A modified schedule for *sugarcane* **chromosomes.** 036303
Behavior of *sugarcane* **clones** (genotypes) under natural and induced environmental stimulus [Genetics]. 036632
Proximate chemical composition of agricultural fibrous materials [Abaca, *sugarcane,* **coconuts,** and bananas]. 032819
Notes on two experiments with nematode **control** in *sugarcane.* 039042
Insect pests of *sugarcane* and their **control.** 039285
Insect pests of *sugarcane* and their **control.** 039286
Protecting the *sugarcane* **crop** from frost. 039007
Studies on the efficacy of micro-nutrient application for *sugarcane* in the **Cuddalore** tract. 040985
Experimental station of the South African Sugar Association, Agronomic Section *[Sugarcane* **culture].** 037981
Sugarcane **culture** in Mexico. 037983
Using *sugarcane* as **dairy** cattle fodder. 034453
Economies of size in *sugarcane* **farming** [Returns]. 031470
Sugarcane **flowers** in Egypt: improvement of field crops productivity [Breeding]. 036556
Selection within sugarcane populations for resistance to the *sugarcane* **froghopper** Mahanarva posticata Stal (Homoptera, Cercopidae) in Pernambuco. 036402
Stalk number and length as components of yield in *sugarcane* **[Genetics].** 036634
The 1974 *[sugarcane]* **harvest** in Guadeloupe. 038088
Total result of the 1974 *[sugarcane]* **harvest.** 038089
Sugarcane: **heat** treatment for control of ratoon stunt [Xanthomonas]. 038854
National Program for *Sugarcane* **Improvement:** for what, why and how? [Brazil]. 031795
Genetic Program of the Sugar and Alcohol Institute, National Program for *Sugarcane* **Improvement,** Brazil. 036400
System of planning, selection, evaluation and control of research projects of the National Program for *Sugarcane* **Improvement.** 037985
Phytopathology program of the National Program for *Sugarcane* **Improvement,** the Sugar and Alcohol Institute, Brazil. 038962
Economic use of water with nitrogen fertilization and assessment of suitable indices for scheduling **irrigation** in *sugarcane.* 041339
Fermentative conversion of *sugarcane* **juice** into fungal protein. II. Effect of different nitrogen sources, levels of ammonium nitrate and incubation period. 033243

Periods of difficult mud settling *[Sugarcane* **juices,** processing]. 033245
Studies on clonal selection of *sugarcane* at different **levels** of nitrogen fertilization [Breeding, heredity]. 036636
Helping the inudstry through *sugarcane* **management** [Culture]. 038035
Correlation study of quality and yield contributing characters in early **maturing** *sugarcane* cultivars. 038034
Natural infection test with *sugarcane* **mosaic** virus. 038891
Standover lifts "minor" insect numbers *[Sugarcane* **pests,** Aulacaspis madiunesis, Opogona glcyphaga]. 039269
Photosynthesis of *sugarcane.* 037490
Intercropping of autumn **planted** *sugarcane* with wheat. 038036
Minas Gerais has a model cooperative of *sugarcane* **planters.** 031265
Selection within *sugarcane* **populations** for resistance to the sugarcane froghopper Mahanarva posticata Stal (Homoptera, Cercopidae) in Pernambuco. 036402
[Sugarcane] **pricing** policy. 031663
Chloride control in the refinery **[Processing** *sugarcane].* 033161
Composition of acid beverage floc **[Processing** *sugarcane].* 033163
Deitz and Carpenter reviewed **[Processing** *sugarcane].* 033164
Diffusion in South Africa *[Sugarcane* **processing].** II. 033246
Trends in the use of tractor power for *sugarcane* **production** in Puerto Rico [Equipment]. 040488
Screening of **promising** *sugarcane* varieties for resistance to smut by Ustilago scitiminea Syd. in the Punjab. 038722
Effectos on the soil of mechanical cultivation and fertilizer levels applied to *sugarcane* **ratoons.** 040571
Ideal number of leaves for foliar diagnosis of *sugarcane* **(ratoons).** 040893
Sugarcane with **regard** to mythology, history and technique [Culture, varieties, Brazil]. 037984
Scheme for improvement of *sugarcane* **resistance** to pests and diseases [Breeding]. 036401
Guard your *sugarcane* **roots.** 037989
A new smut [Sphacelotheca **schweinfurthiana]** of *sugarcane.* 038721
Sevidol granule for the control of *sugarcane* **shoot** borer Chilo infuscatellus Snell. 039287
Action of growth substances on the initial development of *sugarcane* **[shoots]** treated with hot water [Budding, rooting]. 037378
Genetic variability studies of isoperoxidases and morphological characters in *sugarcane* **subclones** produced by "in vitro" culture. 036633
Carbohydrate changes in invert syrups [in *sugarcane* **sugar** manufacture]. 033160
Colorant formation under refining conditions *[Sugarcane* **sugar].** 033162
Fluorescence measurements and pH [hydrogen-ion concentration] sensitivity as predictors of color removal in process *[Sugarcane* **sugar].** 033172
Physiological studies in senescent leaves of *sugarcane* var. Co. 740. 037454
Distribution and quantity of starch granules in *sugarcane* **tissues.** 036332
Cultural **treatments** of *sugarcane.* 037980
Effect of agallol and telodrine on germination, telerering and yield of different varieties of *sugarcane* in **UDIC** soils of Jamuna Nagar. 039551
Fermented juice of some *sugarcane* **varieties.** 033283
Drought resistance of *sugarcane* **varieties** (Saccharum spp.). 037379
Agroindustrial characteristics of some commercial *[sugarcane]* **varieties.** I. 037979
The old nobles *[Sugarcane* **varieties].** 038281
NA 56-62, a *[sugarcane]* **variety** to be checked. 037982
Q87—a new *[sugarcane]* **variety** for Bundaberg. 037990
Development of the *[sugarcane]* **variety** situation from 1968 to 1974. 038086
Studies on clonal selection of *sugarcane* with **weed** competition [Heredity]. 036635
Effect of soil applied pesticides on nitrogen nutrition and **yield** of *sugarcane.* 039552
Dredging extends northern agricultural area of Rio de Janeiro State *[Sugarcane* **yields].** 041361

SUILLUS

Synthesis of pulvinones, metabolites of [fungi] Aspergillusterreus and [larch mushroom] *Suillus* **grevillei.** 036867
Fungus pigments. XXIII. Tridentoquinone, a [13](3,6)Benzofuranophane from *Suillus* **tridentinus** (Boletales). 036865

SULFATASES

Evidence for an essential histidine residue in rabbit liver **aryl** *sulfatase* A. 033761

SULFATE

Translocation of iron in **acid** *sulfate* soils. I. Soil morphology, and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Translocation of iron in **acid** *sulfate* soils. II. Production and diffusion of dissolved ferrous iron [in Thailand]. 040782
Flowering and fruit set of [kidney] bean (Phaseolus vulgaris L.) as influenced by **ammonium** *sulphate* and calcium superphosphate. 037690
Effect of urea and **ammonium** *sulphate* applied before sowing on sudangrass [Sorghum sudanese] seedlings. 040993
Automated *sulphate* analysis of wines. 033320
The ubiquitous occurrence of **chondroitin** *sulfates* in chick embryos. 034059
Mobilization of **chondroitin** *sulphate* by nitrilotriacetic acid [Dogs]. 035441
Physicochemical properties of black liquors from *sulfate* **cooking** of different species of wood from the forest base of the Tavdinskii Paper-Pulp Combine. 035816
Effect of dimethyl sulphoxide in combination treatments with **diethyl** *sulphate* in the induction of chlorophyll mutations in Oryza sativa L. [Rice]. 036555
Experimental mutagenesis in apple. II. Characteristics of development and cytogenetic modifications in Malus domestica L. induced by **dimethyl** *sulfate.* 036671
Effect of sodium **dodecyl** *sulfate* on the dissociation of bovine liver catalase. 034026
The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in sodium **dodecyl** *sulfate.* 034137
Isolation and characterization of a *sulfated* **glycoprotein** from rabbit uterus. 034027
Sulphated **polysaccharide** of the thallus of brown seaweed Undaria pinnatifida, Wakame. 032849
Sulfate **pulping** of kenaf. 033227
The effect of molybdenum on the conversion of *sulphate* to **sulphide** and microbial-protein-sulphur in the rumen of sheep [Nutritional biochemistry]. 034347
Failure of supplemental zinc-proteinate, **zinc** *sulfate* and methionine to stimulate growth rate and feed efficiency of swine. 034470

SULFHYDRYL

The character of functional associations of neurons determined by RNA and SH *[sulfhydryl]-groups* in the **cat** brain cortex. 034219
Determination of *sulphydryl* and **disulphide** groups in proteins by amperometric titration. [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. 033114
Effect of dietary vitamin E on the activity of glutathione peroxidase and *nonprotein-sulfhydryl* **level** in erythrocytes and plasma of rats. 032271
Stimulatory processes of the exocrine pancreas and their inhibition by a non-penetrating **SH** *[sulfhydryl]-reagent.* 033961
Content of RNA and *sulfhydryl-groups* in **swine** zygotes during natural ovulation and hormonal stimulation. 034806

SULFIDE

Sulphide-dependent **anoxygenic** photosynthesis in the cyanobacterium Oscillatoria limnetica [Blue-green algae]. 037134
Studies on **hydrogen** *sulphide* in Cheddar cheese at differentstages of its manufacture and ripening. 032971
How hardwoods respond to H2S **[hydrogen** *sulfide]* pretreatment kraft pulping. 035855
The effect of molybdenum on the conversion of sulphate to *sulphide* and **microbial-protein-sulphur** in the rumen of sheep [Nutritional biochemistry]. 034347
Sulfide **oxidation:** sulfox system of pollution control. 041628

SULFITE

Malolactic fermentation in funcetion of *sulfite* **treatment** and heating [Wine manufacture]. 033316

SULFONATE

The effects of the ABS [alkyl **benzen** *sulfonate],* LAS [lineal alkyl benzen sulfonate], and AOS [alpha ole finsulfonate], detergents on fish, domestic animals and plants. 041648
Comparative mutagenic effects of **ethyl** *methane-sulfonate,* nmethyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum [Fungi]. 037126

SULFONATION

Increased linerboard pulp **yield** through *sulfonation.* 035882

SULFOXIDE

Effect of **dimethyl** *sulphoxide* in combination treatments with diethyl sulphate in the induction of chlorophyll mutations in Oryza sativa L. [Rice]. 036555
Sulfoxide **reduction** in relation to organophosphorus insecticide detoxification. 039593

SULFUR

Possibility of increasing the sugar yield by **adding** *sulphur* dioxide and calcium bisulphite during sugar extraction. 033312
Genetic effects of the decay of *sulfur-35* in **cells** of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
The role of *sulfur* **compounds** in food flavor. I. Thiazoles. 032780
Turbidimetry and colorimetry in the *sulfur* **content** determination of plants compared with the gravimetry method [Hay, maize, Abies]. 037324
Nitrogen and *sulfur* **content** and pH of precipitation in Iowa [Hydrogen-ion concentration , air pollution, water quality]. 041607
The effect of SO2 *[sulphur* **dioxide]** pollution on plant metabolism. 039057
The long range transport of *sulphur* **dioxide** [Air pollution]. 041491
Effect of *sulphur* **eficiency** on water regime and intensity of pea and wheat photosynthesis. 037701
Determination of methionine requirements with 35S *[sulfur* **isotope]** methionine determined on the basis of metabolic data[Rats]. 034304
35S *[sulfur* **isotope]** translocation and reduction in Sinapis arvensis L. depending upon the light regime. 036921
Effect of selenium on the 35S *[sulfur* **isotope]-cysteine** metabolism in lambs. 033881
Sulphur **received** in rainfall and leached from a yellow brown loam. 041017
Effects of *sulfur* on **reducing** the pH [hydrogen-ion concentration] of **an alkaline soil.** 041067
The effect of molybdenum on the conversion of sulphate to sulphide and *microbial-protein-sulphur* in the **rumen** of sheep [Nutritional biochemistry]. 034347
Sulphur **supplying** power of Japanese grassland soils. An outline of sulphur survey of grassland soils and pasture plants. 040680
Formation of **volatile** *sulfur* compounds by microbial decomposition of slfur-containing amino acids in soils. 040798

SULFURIC

Effect of surface **applied** *sulfuric* acid on water penetration into dry calcareous and sodic soils. 041040
Modern *sulphuric* acid practice [Fertilizer manufacture]. 041037

SUMMER

The effect of macronutrients and their dates of application on the cut flower and seed yield with *summer* **asters** [Callistephus chinensis]. 040941
[Farm] machine exhibition at the *summer* **cattle** show. 040494
Field crops performance tests cotton-forage **crops** *summer* annuals, peanuts-soybeans, tobacco, 1975 [Varieties, yields]. 038142
The flora and algal associations of Salomon's Spring (Anterselva, Bolzano): *summer* **facies.** 036019
Comprehensive report of observations in the *summer* and **fall** of 1975. II [Apiculture]. 040231
Experience gained in the *summer* (outdoor) **fattening** of young bulls. 034497
Transition from [winter feeding] to pasture and *summer* **feeding** of dairy cows. 034434
Influence of soil moisture regimes and soil fertility levels on water use by *summer* **fodder** maize. 040696
The natural history of the Hardangerfjord. 12. The **late** *summer* water exchange in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an offshore population into the fjord in June, 1956. 037255
Summer **phytoplankton** [algae] photosynthesis in a northeastern Ohio glacial lake. 037145
An observation on the *summer* **shoot** formation in Pinus densiflora seedlings. 037921
Summer **vaccination** [Mink, infectious diseases]. 035054

SUN

Controlled *sun* drying of freshly harvested paddy for improved milling quality. 033265

SUNFLOWERS

Factors influencing changes in ploidy and nuclear DNA levels in cells from normal, crown-gall and habituated cultures of Helianthus **annuus** L. *[Sunflowers].* 036345
Transport of indoleacetic acid-carbon 14 [isotope] under various conditions of potassium nutrition [Field **beans,** *sunflowers].* 037434
Effects of soil furrowing [on the yield of *sunflowers* and **castorbeans** under irrigation]. 041213
Revertants of *sunflower* **chlorophyll** mutants. 036689
Chemical and microbial changes in dehulled **confectionery** *sunflower* kernels during storage under controlled conditions. 033271
Studies on several wild-growing Helianthus species [for possible **crossings** with *sunflowers].* 036483
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, *sunflowers,* **Dactylis** glomerata, Lolium perenne, Festuca gigantea]. 038121
Effective means are necessary for the control of fungal **diseases** [of *sunflowers].* 038848
D.Y. 2—a new improved **dwarf** *sunflower* variety. 038019
Effect of various technological procedures on the feeding properties of **extracted** *sunflower* meal and other commercial products. 034306
Action and interaction of nitrogen, phosphorus and potassium in *sunflower* **fertilization** on calcareous soils. 041062
Linkage tests among genes for six qualitative characters in *sunflowers* **[Fungus** diseases resistance]. 038597
Effect of temperature factor on *sunflower* **growth** and productivity in regulated environments. 037413
Inheritance of some characters and properties in *sunflower* **(Helianthus** annuus L.). 036497
Effect of aeration on the flood-induced formation of adventitious roots and other changes in *sunflower* **(Helianthus** annuus L.). 037529
Study of the transmission of Botrytis cinerea by *sunflower* **(Helianthus** annuus) seed. 038796
Decisive methods to achieve **high** *sunflower* yields. 038108
Distribution of calcium, potassium and phosphorus in Helianthus annuus *[sunflower]* **hypocotyls** and Zea mays [maize] coleoptiles in relation to tropic stimuli and curvatures. 037348
New techniques for preparation of **improved** *sunflower* protein concentrates. 033207
Changes in phenolic compounds of *sunflowers* **infected** by Plasmopara halstedii. 038581
Contribution to the methods of Sclerotinia sclerotiorum (Libert) Masse **inoculation** of *sunflower.* 038783
Ultrastructure of wilt syndrome caused by Verticillium dahliae. II. In *sunflower* **leaves.** 038590

Energy dissipation and photosynthesis in nitrogen and phosphorus **nutrition** *[Sunflowers].* 037582
Status report on *sunflower* as an **oilseed** [Culture]. 038090
Effect of mineral fertilizer and of planting density on *sunflower* **photosynthetic** rate and net productivity. 037403
The importance of leaf orientation for light reception by *sunflower* **plant.** 037601
Functional activity of the photosynthetic apparatus in the ontogenesis of *sunflower* **plants.** 037573
The impact of concentration upon cost-, output- and income relations within the activities of *sunflower* **production.** 031461
Sunflower **response** to nitrogenous fertilization at G. R. S. [Sudan]. 040852
The integrated utilization of technical means for the transportation of the *sunflower* **[seed]** harvest. 031399
Incorporation of *sunflower* **seed** meal in bread [to improve nutritional quality]. 032369
Use of *sunflower* **seed** in food products. 033217
The ways of increasing the production of *sunflower* **[seeds].** 038204
[Mechanical damage] to *sunflower* **seeds** [at harvesting]. 038208
Adaptation of [grain cleaning unit] ZAV-20 for *sunflower* **seeds.** 040545
The optimum timing and ways of fall plowing for subsequent **sowing** of *sunflowers.* 038200
Organization of mechanized harvesting in *sunflower* **stands.** 040522
Study of the water requirements of *sunflower.* 3. 037460
Study of the water requirements of *sunflower.* 2. 037461
Effects of gibberellic acid on DNA synthesis and histology in the shoot apex of Helianthus annuus *[sunflowers]* during the **transition** to flowering. 037383
Nonnuclear mutations in *sunflowers.* III. **Unusual** somatic segregation of plants with variegated leaves. 036684
Effect of site on nutrient uptake and **utilization** in *sunflower.* 037492
Sunflower for **West** Bengal. 038029
Proline accumulation in flooded and **wilted** *sunflower* and the effects of benzyladenine and abscisic acid. 037384
Ultrasound effect on the growth, development and **yield** of *sunflower.* 038139

SUNSHINE

Greater utilisation of *sunlight* by **crop** plants for maximising yield [Rice, photosynthesis]. 037451
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated ergosterol solutions and *sunlight* **intensity.** 032465
Studies on the formation of vitamin D by sunlight irradiation of provitamin D. III. Yearly variation of ultraviolet light **intensity** in *sunlight.* 032466
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between yield of vitamin D2 in *sunlight* **irradiated** ergosterol solutions and sunlight intensity. 032465
Studies on the formation of vitamin D by *sunlight* **irradiation** of provitamin D. III. Yearly variation of ultraviolet light intensity in sunlight. 032466

SUPERFETATION

Preliminary results on plasma progesterone levels during pregnancy and *superfetation* in the **hare,** Lepus europaeus. 034689

SUPERVISION

The use of sequential test plans for **factory** *supervision* of the quality of meat products. 2. Examples of the use of sequential three-decision plans. 032009
Forest *supervisor* Carl M. Vendelsoe, 17 March 1891-21 May 1975. 035538
Stepping back to basics: defining performance expectations for **operations** *supervisors.* 032612
Supervision of **tinned-foods** freezing; experience in Rostockregion [Meat and sauce meals]. 033098

SUPPLEMENTS

Liquid swine manure and sewage sludge need **careful** *supplementation* [to fill nutritional requirements of field crops]. 040947
The effects of **copper** *supplementation* on stock health and production. 3. The effect of parenteral copper on the milk yield characteristics of a dairy herd with hypocuprosis. 035365
Effects on the growth of the rabbit of L-lysine and **DL-methionine** *supplementation* of simplified plant diets. 034290
Nitrovin for swine **[Feed** *supplements].* 034431
Non-root **feeding** *supplement* for vineyards. 037842
Peanut proteins as **food** *supplements.* 032383
Iron *supplementation* for gestational anemia: a model field trial. 032424
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded **lysine** *supplements* on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded **lysine** *supplementation* in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Magnesium *supplementation* of beef cows on pasture with mixtures containing different levels of cottonseed meal. 034472
Effect of non-root **nutrition** *supplements* on yield and quality of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine [Soilless culture]. 041124
Nutritional *supplementation* and the outcome of pregnancy in Colombian women. 032304
Evaluation of a low-lactose **nutritional** *supplement* in malnourished children. 032351
Feed **pollen** *supplements* [Apis mellifera]. 040256
Pollen *supplements.* I. Relationships between supplements, pollen and broodrearing. 040258
Processing and nutritional evaluation of calcium caseinate **[Protein** *supplement].* 032370
Choosing **protein** *supplement* for steer finishing rations. 034366
The effect of various plant **protein** *supplements* on the growth of broilers. 034388
The efficacy of **protein** *supplementation* in overcoming urea toxicity in sheep. 035395
Comparisons of ground and whole shelled corn, **roughage** *supplements* and potassium and cobalt additions in finishing beef steers. 034440
Salt *supplementation* of corn-soy diets for swine. 034415
A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). *Supplement* III. 039264
Studies on methionine imbalance in rats as influenced by *supplementation* of **threonin,** serin, glycine or glutamic acid. 034315
Beneficial effect of **zinc** *supplementation* in young rats fed protein concentrate from rapeseed or mustard. 032404
Effect of **zinc** *supplementation* on rats during pregnancy. 032409

SUPPRESSION

Suppression of the **development** of female hamster [sexual] behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. 034673
Attainment of coordination without *suppression* of **free** initiative [Marketing, trade, Europe]. 031528
Practical use of the N-test in the *suppression* of **mastitis** in the Jicin District. 035268

SUPRARENAL *see* RENAL

SURFACE

Distribution of phosphate and potassium fertilizers in the topsoil, applied on the *surface* or **absorbed** in the soil. 041072
Amelioration of *subsurface* **acidity** by leaching of surface applied amendments. A laboratory study [Soils]. 041139
Studies on adhesion of fish meat products to casing in fish sausage and Kamaboko. V. Effect of *surface* **active** agent on the adhesiveness of fish sausage. 032765
Animal skin degreasing with *surface* **active** agents. 033105
Influence of *surface* **active** agents on movement of water in soil. 040660
Sesquiterpene hydrocarbon farnesene and its relation to the **apple** *surface* browning, scald [during storage]. 033440
Effect of *surface* **applied** sulfuric acid on water penetration into dry calcareous and sodic soils. 041040
Amelioration of subsurface acidity by leaching of *surface* **applied** amendments. A laboratory study [Soils]. 041139
Heat preservation and emission from the **body** *surface* in the mink Mustela vison. 034248
Thicknesses of the deposits of plutonium and radium at **bone** *surfaces* in the beagle [Dogs]. 033914
Cationic *surface-active* agent as bactericide [Wastewater treatment]. 041627
Comparison of early embryonic and differentiating **cell** *surfaces:* interaction of lectins with plasma membrane components [Chick blastoderm]. 033790
Effect of proteases on activation of resting chick embryo fibroblasts and on **cell** *surface* proteins. 033855
Specific binding of invertase of the medium by yeast [Saccharomyces cerevisiae] **cell** *surface* during the regulation of formation of the enzyme. 036912
Densities of bacteria and fungi in **coastal** *surface* films as determined by a membrane-adsorption procedure. 036233
Measurement of **contact** *surface* between fish products and a contact freezer. 032749
Separation and characterization of acid proteinases from the *surface* **culture** Aspergillus terricola [Fungi]. 037229
Surface **distribution** of the fatty acid side chains of phosphatidylethanolamine in mixed phospholipid vesicles [Hen egg yolk]. 033813
Critical comments on the execution and valuation of *sub-surface* **drainage** tests. 041447
Effect of mineral fertilizers on *surface* and **drainage** water [Pollution]. 041673
Problems relating to the measurement of near *surface* **drift** currents and a possible solution—the Tethered Drogue current meter [Water quality]. 041317
Surface **electric** potentials on worker honeybees [Apis mellifera] leaving and entering the hive. 040250
The deposition of particles on moss [Hypnum cupressiforme] and **grass** *surfaces* [Indicator plants]. 036176
Identification and determination of **ionogen** *surface* active agents in milk. 033034
Redox dependence of papain enzyme activity on charged **kaolinite** *surfaces* and in solution [Clay minerals]. 040801
Structural organization and the pigment fund of the plastid apparatus of the unit of the **leaf** *surface* area and the productivity of flax under different conditions of zinc and copper nutrition. 037576
Immunoglobulins on the *surface* of **lymphocytes** in ontogeny [Baby pigs]. 035063
The head caruncles of the Muscovy duck (Cairina moschata domestics L.). Development of the *surface* in **males** and females of some types. 033742
Study of the dynamics of formation of the *surface* **membrane** in isolated microdroplets of cytoplasm of Phycomyces blakesleeanus [Fungi]. 036307
Nonmetabolic catalysis of 14C [carbon isotope]-furfuryl amino purine (kinetin) and [Bougainvillea] **plant** *surfaces,* glass, and porcelain ware. 037203
Relationships between **plant** *surface* area and respiration in loblolly pine [Pinus taeda]. 037916
Fungi in foods. VII. A comparison of the *surface,* **pour** plate, and most probable number methods for enumeration of yeasts and molds. 032094
Recurrence *surfaces* in Rusland Moss, Cumbria (formerly north Lancashire) [Calluna, Sphagnum, musci]. 036223
Influence of the thermal characteristics of a moist clay loam soil on the temperature **regime** at the *surface.* 040708
Response *surface* designs [Experimental design]. 031754
Sediment-phosphorus relations in *surface* **runoff** from irrigated lands. 041390
Surface **smoothness** measurement of sawn timber. 035846
Thick Bh [humate] horizons in the North Carolina Coastal Plain. II. Physical and chemical properties and rates of organic additions from *surface* **sources.** 040780
Taenia hydatigena. V. *Surface* **structure** of the adult worm and evaginated scolex [Dogs]. 035093
Scanning electron microscopy of the ticks Ixodes laguri andIxodes arboricola: *surface* **structures** of Haller's organ. 039456
A *surface-structural* **survey** of some taxonomically diverse grass pollens. 035964
Possible formation and development of spirochaete attachment sites found on the *surface* of **symbiotic** polymastigote flagellates of the termite Reticulitermes flavipes. 039637
Effect of seed irradiation (60Co) [cobalt isotope] on the development of coloring substances and **total** *surface* of tomato leaves. 037618
On the dynamic activity of the MAZ-509 logging truck on **tract** *surface* of ferroconcrete slabs [Forest roads]. 035813
A useful equation for calculating heat and mass transfer processes with **varying** *surface* temperature [Food technology]. 032736
Inventory of the degree of *surface* **water** pollution in France. 041636
Integrated utilization of underground and *surface* **waters** for irrigation. 041260
Quantitative and qualitative variations in *leaf-surface* **wax** in three varieties of wheat varying in susceptibility to blight caused by Alternaria triticina. 038708

SURGERY

A simplified technique for vasectomy of heat check **boars** *[Surgery].* 034913
The use of Rompun for *surgical* **embryo** transfer procedures in cattle [Sedatives]. 034738
Surgery and **orthopedic** equipment in large-scale cattle farms. 034949
Surgical **procedures** [Cats]. 034892

SURPLUS

Committee on Commodity Problems Consultative Sub-committee on *Surplus* **Disposal.** Summary record, 216th meeting, 13 January 1976, 10:00 a.m. 031566
Deep breaking up of compacted soils, affected by **successive** *surplus* and shortage of rain water. 041192

SURVIVAL

Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and *survival* of **bovine** spermatozoa frozen in French straws. 034664
Antenatal events and postnatal growth and *survival* of **children**—prospective observation in a rural Guatemalan village. 032262
Age-survival **curves** for workers of two eusocial bees (Apis mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. 040242
The biology of cereal-cyst nematode, Heterodera avenae in India. I. Effect of moisture and temperature on the *survival* of **cyst** contents. 039004
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and *survival* **density** of the bacterium on artificially infested weeds, plant residues and soils. 038852
Superovulation and **embryonic** *survival* rates in beef cattle [Estrus]. 034736
Dehydration and *survival* of the **European** house dust mite, Dermatophagoides pteronyssinus. 039855
Effects of high temperature and soil moisture on *survival* of **first-instar** larvae of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
Survival of **foot-and-mouth** disease virus in milk and milk products. 031976
Effects of black plastic and mulches on growth and *survival* of **landscape** plants [Culture]. 038453

Survival of **Ms/**—males in two lines of mice selected for a different expression of the gene mosaic (Ms) in heterozygous females. 034620
Effect of cadmium on Chlorella [Algae]. II. Growth, *survival* and **mutability** of Chlorella. 036512
The *survival* of **Mycoplasma** pumonis in drinking water and inother materials. 032158
Management and nutrition of early weaned pigs. 1. Effect ofage at weaning upon incidence of scours, **performance** and *survival.* 033661
Management and nutrition of early weaned pigs. 2. Effect ofvarying levels of fiber in the diet upon incidence of scours, **performance** and *survival.* 034473
Dwarf mistletoe [Arceuthobium pusillum]-infected [Pinus] ponderosa **pines** *survive* top-pruning. 039141
Effect of foliar application of chemicals on the *survival* of **plant** pathogens in the rhizosphere of two crop plants [Sorghum, Crotalaria juncea]. 038683
Experimental inquiry into the action of some physical and chemical factors on the *survival* and **propagation** of vibrio parahaemolyticus in food products. 032149
A method for determining the *survival* **rate** of isogenic erythrocytes in the blood flow of cattle in cases of transfusions. 033880
The effect of caffeine on the *survival* and **recovery** of irradiated yeast cells [Radiation, injuries]. 037250
Preliminary observations on the *survival* of **Salmonella** in curry, sambar, coriander and red-chilly powders [Food poisoning]. 032087
Survival of **Salmonella** eastbourne and Salmonella typhimurium in chocolate [Food poisoning]. 032089
Studies on **saprophytic** *survival* of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, plant residues and soils. 038852
Vertical distribution and *survival* of **Sclerotium** oryzae [stem rot of rice] under various tillage methods [Cultural control]. 038776
Studies on the *survival* of **thermophilic** bacteria during manufacture and storage in **dried** milks. 032056
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on *survival* of **western** hemlock looper [Lambdina fiscellaria lugubrosa]. 039383
The gene dosage effect of the rad52 mutation on **X-ray** *survival* curves of tetraploid yeast strains [Saccharomyces cerevisiae]. 036602

SUSCEPTIBILITY

Quantitative and qualitative variations in leaf-surface wax in three varieties of wheat varying in *susceptibility* to **blight** caused by Alternaria triticina. 038708
Varietal differences in the *susceptibility* of **Brussels** sprouts to lepidopterous pests. 039316
Comparative *susceptibility* of the chorioptic mange mite, northern fowl mite, and brown dog tick to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Yield response of resistant and *susceptible* **cucumber** cultivars to scb infection [Cladosporium cucumerinum]. 038636
Utilization of explants for **evaluating** *susceptibility* of oat cultivars to Septoria avenae f. sp. avenae. 038777
Nutrient status of apple blossoms and their *susceptibility* to **fire** blight [Erwinia amylovora]. 038850
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in *susceptible* **genotypes** of Aedes aegypti (Diptera: Culididae). 039476
The occurrence of stalk rot [Fusarium] of maize in dependence on row distance and *susceptibility* of **hybrid** cultivars. 038834
Effect of host's nutrition [Rabbits] on immune response to amoebic antigen & on *susceptibility* to **infection** with Entamoeba histolytica. 035075
Effect of water stress on the rate of non-suberized impervious tissue formation following wounding in Abies grandis *[Susceptibility* to **insect** and fungal pathogens]. 037919
Chemical nature of disease resistance and *susceptibility* in **leaf** blight of wheat caused by Alternaria triticina. 038648
Nature of disease resistance and *susceptibility* in **leaf** blight of wheat caused by Alternaria triticina in vivo and in vitro. 038699
Brugia pahangi: *susceptibility* and **macroscopic** pathology of golden hamsters. 035058
Wines. Indication of *susceptible* **origin** to mislead the buyer. The bad faith of the seller. Misdemeanor. 032129
Susceptibility of some **soft** and hard wheat varieties to herbicides used for control of [weedy] grasses. 039097
Nature of **specific** *susceptibility* to Alternaria kikuchiana in Nijisseiki cultivar among Japanese pears. IV. Target tissues of Alternaria kikuchiana toxin and their characteristic responses. 038733
Investigations on the influence of fluorine contaning air pollutants upon the *susceptibility* of **spruce** [Picea] plants to the attack of the gall aphid Sacchiphantes abietis (L.). 039410
Effects of diltiazem hydrochloride on embryonic development: species differences in the *susceptibility* and **stage** specificity in mice, rats, and rabbits. 035432
A disc electrophoretic study of the protein of *susceptible,* **tolerant** and resistant lucerne with reference to Verticillium [albo-atrum] wilt. 038668
Nutritionally conditioned virulence of Pythium butleri and *susceptibility* of **tomato** in causing damping-off. 038842
Biochemical changes in a resistant and *susceptible* **variety** of watermelon due to infection by Alternaria cucumerina. 038675
Susceptibility of different **variety** types of [table] beet to storage rot [Botrytis cinerea] nicity [Botrytis cinerea]. 038810
Application of two epidemiological models for the identification of slow stem rusting [caused by Puccinia graminis tritici] in wheat [varieties of **varying** *susceptibility].* 038762

SUSPENSION

Isolation, culture, and induction of embryogenesis in protoplasts from *cell-suspensions* of **Atropa** belladonna. 036347
Methods with insect cells in *suspension* **culture.** I. Aedes albopictus. 039872
Methods with insect cells in *suspension* **culture.** II. Drosophila melanogaster. 039873
Metabolism of 5beta-pregnane-3,20-dione and 3beta-hydroxy-5beta-pregnan-20-one by Digitalis [purpurea] *suspension* **cultures.** 037170
Effect of cholesterol on growth & production of diosgenin, gitogenin, tigogenin & sterols in *suspension* **cultures** [Trigonella foenum-graecum]. 037452
Structure and mechanism of action of uridine diphosphate apiose/ uridine Diphosphate xylose synthase from *cell-suspension* **cultures** of parsley (Petroselinum hortense). 037873
The influence of intracoelomal injections of solutions and *suspensions* on the **phagocytosis** with larvae of the wax moth, Galleria mellonella (L.). 039644
Suspended **sediment,** solar radiation and heat in agricultural reservoirs. 041394
The use of color infrared photography for the determination of *suspended* **sediment** concentrations and source areas [Watersheds]. 041396
Determining total radial reactions to wheels of the logging truck, including hardness of *suspension* and **tires.** 035806
Comparative study of Aujeszky's disease virus reproduction in cell and **tissue** *suspensions* of avian embryos [quail]. 035278
Gas chromatographic determination of Stanozolol in **veterinary** *suspensions.* 039828

SWALLOWS

The **scarce** *swallow-tail:* Iphiclides podalirius (L.) in Britain. I. The evidence before Haworth. 040062

SWAMP

Logging and log transportation in the **peat** *swamp* forests of Sarawak, Malaysia. 035832

SWAN

The vegetation and chemical properties of patterned fens in the *Swan* **Hills,** north central Alberta. 036186

SWARD

Studies on the effects of overseeding of Italian-ryegrass [Lolium multiflorum] on the production of **knotgrass** *sward* [Paspalum distichum]. 037986
Studies on competition between grasses and legume in **mixed** *sward* [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of tillers or branchings between pasture plants grown under the isolaled culture system. 036243

SWEAT

Current knowledge on the energy metabolism and the secretory mechanism of the **eccrine** *sweat* glands. 033933

SWEEP

Processing appliances: **technology** *sweeps* the kitchen. 032657

SWEET

Kinetic studies on the hydrolysis of p-nitrophenyl-beta-D-glucoside catalyzed by beta-glucosidase from *sweet* **almond** by means of the stopped-flow method. 033424
Separatian of the components of beta-glucosidase from *sweet* **almond** of the **gel** filtation. 033425
Use of male-sterile 1 gene to eliminate detasseling in production of hybrid seed of **bicolor** *sweet* corn. 036572
New [food] *sweetener's* **big** potential [Fructose glucose syrup]. 032805
Storage properties of *sweet* **cherries** in dependance of the cooling period. 033434
Bibliography of the international literature on *sweet* **cherries.** 2. 038244
Using ethephon for easier mechanical harvest of *sweet* **cherries.** 038325
Variety verifications of *sweet* **cherries.** 038409
Bursting of *sweet* **cherries.** 038986
Vladimir, a promising dwarfing rootstock for *sweet* **cherry.** 038367
Demonstration of virus-like particles in *sweet* **chestnut** [Castanea savits] and oak [Quercus cerris] with leaf deformations in Hungary. 038945
Sweeteners [as **food** additives]-a study in regulatory lore. 032023
Quantitative determination of saccharin [as a *sweetener]* in **food** products by ultraviolet spectrophotometry. 032853
Lots of better things for **home** *sweet* home [Management]. 032526
Conditions of growth and spreading of Rhododendron **luteum** *Sweet* (Ericaceae) on Slovechansko-Ovruchsky heights (Ukraine). 036840
Ageing characteristics of wood of healthy and sandhill-declined Citrus sinensis *[Sweet* **oranges].** 036290
Lead from motor-vehicle exhausts in *sweet-corn* **plants** and soils along a highway in Hawke's Bay, New Zealand. 039041
Reaction of *sweet* **potato** varieties to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
Response of *sweet* **potato** (Ipomea batatas), to potassium fertilization on a red Oxisoil in Tanzania. 040969
Control in internal browning of **'Schmidt'** *sweet* cherries [due to bruising during mechanical harvest] by handling in water. 033385
Oil characteristics of *sweet* and **sour** cherry kernels. 033423
Role of natural and **synthetic** *sweeteners.* 032242
Flavors that sell preserve the *sweet* **taste** of success. 032630

SWEETCLOVER *see* CLOVER

SWEETCORN

Florida 32 and Florida 56—two shrunken-2 (sh2) *sweetcorn* **inbreds** [Genetics]. 036417

SWEETPOTATOES

In vitro tissue culture of *sweetpotatoes,* **Ipomoea** batatas (L.) Lam., for the production of new cultivars. 038458
Induction of outgrowth formation on storage roots of *sweetpotato* due to **plant** pathogenic bacteria. 038870
Cell isoperoxidases in *sweetpotato* **plants** in relation to mechanical injury and ethylene. 037809
Distribution of protein within *sweetpotato* **roots** (Ipomea batatas L.). 033412
Residues of certain systemic insecticides in *sweetpotato* **tubers** [Cylas formicarius]. 039534
Performance of *sweetpotato* **varieties** against Fusarium wilt. 038701

SWELLING

Changes in the physical properties of soil clays due to precipitated aluminum and iron hydroxides. I. *Swelling* and **aggregate** stability after drying. 040758
Disposition of fertilizer nitrate applied to a *swelling* **clay** soil in the field [Sorghum]. 040997
On the differential equation for the equilibrium moisture profile in *swelling* **soil.** 040766

SWERTIA

Xanthones of *Swertia* **bimaculata.** 037183

SWINE

Results regarding leg and claw health in *swine* **[Abnormalities].** 035372
Streamlining the *hog,* an **abused** individual [Breeding for meat]. 034871
Thermal and mechanical treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino **acids** *[Swine].* 034320
An autopsy case of *swine* with **affection** similar to Banti's disease. 035361
Effect of **anaerobic** *swine* lagoons on ground water quality. 041652
Prostaglandin induced parturition in *swine* with some **aspects** on prevention of the MMA (metritis, mastitis, agalactia) syndrome. 034766
Body measurements of *swine* as a **basis** for suitable stall and pen designs. 040389
Comparative evaluaton of **beef** and *pork.* 032482
Relationship between nutrition and heredity in *swine* and **beef** cattle. 034447
Behaviour of certain serum enzymes in *sows* during **birth.** 034745
Comparative study on the breeding performance of various **breed** *sows* kept under large-scale conditions. 034539
Status of *swine* **breeding** at livestock shows, 1975. 033644
Development of joint agricultural enterprises for *swine* **breeding** and fattening. 033687
Trials involving hybrid **breeding** *[Swine].* 034717
Proposed on-the-farm testing program for *swine* **[Breeding].** 034734
Finding out about criss-crossing *[Swine,* **breeding].** 034771
Large litters, big pigs from Duroc cross *[Swine,* **breeding].** 034773
Scots sire-lines shave baconers' backfats *[Swine,* **breeding].** 034775
What future for sire lines? *[Swine,* **breeding].** 034776
Evaluation of female reproductive performance of 28 one-way crosses produced from eight **breeds** of *swine.* 034557
State and development of *swine* **carcass** evaluation and its conversion for grading. 032133
Breed, line, sex and diet effects and interactions in *swine* **carcass** traits. 034659
Animal improvement with maize **[Cattle,** *swine].* 034451
Neonatal isoerythrolysis in domestic animals: a comparative review [Horses, **cattle,** *swine].* 035294
1975 interim cattle and *swine* **census.** 033622
Gas-energy exchange in *swine* when there is a **change** in feeding norms. 034521
A simplified technique for vasectomy of heat **check** *boars* [Surgery]. 034913
New breeds of *swine:* **Chester** White and Spotted swine. 1. Their characteristics and economic aspects. 034554

Growth hormone and somatomedin; a brief review *[Swine,* **chickens].** 034120
Quick diagnostic methods of *hog* **cholera.** 035192
Complex immunization of swine against *hog* **cholera,** Aujeszky's disease and erysipelas. 035232
G-band patterns of *swine* **chromosomes.** 034674
Commercial *swine* production in the Soviet Union. 031892
Views of a **commercial** *hog* producer. 034740
Experimental results regarding irrigation with sewage obtained from large **complex** *swine* farms. 041414
Speicialized veterinary medicine in **concentrated** *swine* rearing. 034948
Relative costs of wall construction for underfloor manure-storage tanks [for a **confinement** *swine* unit]. 040370
Functional reproductive disturbances and fertility results in young and old sows of different gene **constructions** *[Swine].* 034834
Red cell and total blood volumes during sexual excitement and **copulation** in the *boar.* 034542
The value of **crossbred** *boars* in the commercial production of swine. 034739
Danish *swine* production. 031940
Demodex suis *[Swine,* **demodectic** mange]. 039514
Salt supplementation of corn-soy **diets** for *swine.* 034415
Radiotelemetric methods of investigation [Effects of electromagnetic waves on *swine* **digestion].** 034229
Probabilistic distribution of dose rates in bony tissue as a function of the rhythm of Sr90 (strontium isotope] administration and age of animals *[Swine,* **dogs].** 034168
Neonatal behavior and nutrition-related mortality in **domestic** *swine* [Piglets]. 034005
Nutrient media and the isolation of microflora in cases of *swine* **dysentery.** 035226
Chemotherapy of *swine* **dysentery.** 035231
Swine **dysentery** [and its control]. 035253
Heritability of useful traits of *swine* and the **effectiveness** of breeding on their polyploidy. 034867
Failure of supplemental zinc-proteinate, zinc sulfate and methionine to stimulate growth rate and feed **efficiency** of *swine.* 034470
Study of the resistance to trypsin of *swine* **enteroviruses.** 035277
Results obtained in the treatment of udder ulcers [Cows, goats, *sows,* **ewes].** 035371
Preventive effect of a mixture of sulfamonomethoxine and pyrimethamine on *swine* against **experimental** infection with Toxoplasma oocysts. 035121
Fattening *swine* in Austria with productive protein. 034360
Use of field beans in *swine* **fattening** [Effects of feeding]. 034397
Some information of *swine* **fattening** in the Jindrichuv Hradec district. 034518
Testing of Mecadox, a nonantibiotic growth stimulant, for *swine* **fattening** in field conditions. 034519
Importance of microclimate in the complex of hygienic measures for **fattening** *swine.* 034942
Nutritive value of *swine* **feces** for swine. 034476
The use of waste bananas for *swine* **feed.** 034376
Nitrovin for *swine* **[Feed** supplements]. 034431
Swine **feeding** in industrial units. 034396
Selenium for *swine* **[Feeding].** 034432
Investigations into early selection of **female** *swine* by means of the ultrasonic method. 034576
Some factors affecting the reproductive cycle of *sows* **[Fertility].** 034864
Effect of two levels of dietary zinc on reproductive performance of *sows* during **five** parities. 034793
Antibody response in *sows* **following** intramammary on intramuscular immunization with a killed Escherichia coli vaccine. 034998
Digestibility for *swine* of **fresh,** ensiled and dried chopped maize cobs. 034525
Epizootiology of transmissible **gastroenteritis** of *swine.* 035153
Effects of group size and of negative air ionization on performance of **growing-finishing** *swine.* 034000
Effects of storage technique for immature maize on the utilization of its carbohydrates and nitrogen in **growing-finishing** *swine.* 034289
Source and level of phosphorus for **growing-finishing** *swine* [in barley-soybean meal diets]. 034416
The effect of dietary zinc, calcium and the previous zinc nutrition of the *sow* on **growth** of progeny. 034480
Continual transport of *pork* **halves** in an ultra-quick chilling tunnel. 033115
Complex immunization of *swine* against **hog** cholera, Aujeszky's disease and erysipelas. 035232
Ways to achieve superposition of lactation and pregnancy by administration of gonadotropic **hormones** *[Swine].* 034756
The use of construction methods for preparing decision making in technological projects *[Swine* **houses].** 040330
Automatic air conditioning in *swine* **houses.** 040377
Regimen of specific prophylaxis and diagnostic examinations in *swine* **husbandry** [Vaccination]. 035271
Possibilities of **increasing** *sow* reproductive performance by having lactation coincide with pregnancy [Swine]. 034835
Investigations into puberty inducement with prepubescent gilts by means of gonadotropic hormones. 1. Estrus evolution of puberty **induced** *gilts* and fertility results following artificial insemination. 034575
Use of electron computers to plan livestock inventories, production, costs and proceeds in **industrial** *swine* production facilities. 031381
Contemporary views of the organization of housing in **industrial** *swine* rearing. 033686
Analysis of feed economy at the Wildberg **industrial** *swine* fattening plant, in the Neuruppin district [Nutritive value, livestock managment]. 034496
Conversion and disposal of placentas by mechanical disintegration in **industrial** *swine* production plants [Sanitation]. 034921
Dust control in **industrialised** *swine* units, its relevance to animal performance and health. 034914
Studies on cycle control of *gilts* in **industrialized** units. 034754
Technology of housing individual categories of *swine* on our **industrialized** farms. 040391
Control of Haemophilus suis **infection** in *swine.* 034976
On the participation of the diaphragm nerve of *swine* in the **innervation** of certain organs. 033990
Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, *swine,* **insects** and seagulls as well as in foods and effluents. 035214
Health importance of *swine* **insemination** [for disease control]. 034941
Compatibility of nitrate in *swine* **[Intoxication].** 035426
Mating of *sows* during **lactation:** observations from a commercial unit. 034560
Effects of *swine* **lagoon** effluent disposal on soil-plant-runoff quality. 041653
Cooking frozen and thawed roasts: beef, *pork,* and **lamb** cuts. 032640
Comparing national breeds of **Landrace** *[Swine].* 034770
Activities of a specialized veterinary center on a **large** *swine* farm using the group system of rearing. 034938
Some experiences from five years of activity of a specialized veterinary center on a **large** *swine* farm. 034947
Course of transmissible gastroenteritis (TGE) of *swine* in a **large** piglet unit prior to and following the use of Riems TGE vaccine. 035151
Gastric ulcer of *swine* in **large** scale [raising and fattening] farms. 035375
Congenital tremor of baby pigs—a current problem of **large-scale** *swine* husbandry. 035378
Dynamics of antibody formation in *swine* with **leptospirosis.** 035236
Fertility of **liquid** *boar* semen as influenced by breed and season. 034661
Liquid *swine* manure and sewage sludge need careful supplementation [to fill nutritional requirements of field crops]. 040947
Efficacy of certain chemical and biological compounds for control of odor from anaerobic **liquid** *swine* manure. 041603
Results of Louisiana's 1975 *swine* **litter** tests. 034735
Constructional design of the front walls of rearing stalls with large trough for *sows* with **litter.** 040317
A summary of the **Louisiana** *boar* testing program for 1975. 034719
Biochemical method of disinfection and utilization of *swine* **manure.** 041117
Effect on soil and plant mineral levels following three annual applications of *swine* **manures** of different copper contents. 041063
The *swine* **market** in the European Economic Community. 031717
Studies on estimating the daily meat gain in *swine* by **means** of the loin-fat quotient, with consideration of net increase. 033674
Sulphhydryl and disulphide groups in PSE [pale, soft, exudative] **meat** *[Pork].* 032005
Effect of protein nutrition on nitrogenous **metabolism** in *swine.* 034490
Study of proteins and some enzymes of pancreatic juice in *swine* by the **method** of disc elctrophoresis in polyacrylamide gel. 034191
The effect of ionic strength on the magnesium ion-activated adenosine triphosphatase of natural actomyosin from mammalian skeletal **muscle** *[Swine].* 034210
Diagnosis and epizootiological observations on the occurrence of haemophilus pleuropneumonia in *swine* in the **north** of the German Democratic Republic. 035152
Lysine requirement of **nulliparous** *gilts.* 034294
Tie-up keeping of **nursng** *sows* on composite solid and gratingg flooring. 033650
Developing the technology for **obtaining** *boar* sperm aseptically. 034866
Studies into cycle control of **old** *sows* in industrialised units. 034752
Functional reproductive disturbances and fertility results in young and **old** *sows* of different gene constructions [Swine]. 034834
Behaviour of lactate-dehydrogenase isoenzyme in blood serum of *sows* during **parturition.** 034746
Investigation of the reaction of *[swine]* **pepsin** and pepsinogen with dicyclohexylcarbodiimide. 033826
Use of uterotropic substances as possible devices to improve reproduction **performance** of *sows.* 034755
Behaviour of certain serum enzymes in *sows* in **perinatal** periods. 034744
Genetic determination of the malignant hyperthermia syndrome in the *Pietrain* **pig.** 034570
Aerosols of certain preparations in cases of enzootic **pneumonia** in *swine.* 035276
The feeding of alfalfa juice and the meat quality in *swine* **[Pork].** 034524
Histological uterus examination of *gilts* for **possibilities** of earlier puberty and induction of onset. 034749
Possibilities of increasing sow reproductive performance by having lactation coincide with **pregnancy** *[Swine].* 034835
Investigations into puberty inducement with **prepubescent** *gilts* by means of gonadotropic hormones. 1. Estrus evolution of puberty induced gilts and fertility results following artificial insemination. 034575
Investigations into puberty inducement with **pre-pubescent** *gilts* by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following estrus synchronisation and artificial insemination. 034577
Estimate of grain and *pork* **prices** in the USA during the coming year. 031742
Criteria of efficiency of *swine* **production** for slaughtering [Costs]. 031473
Grain quality and *swine* **production.** 034430
The value of crossbred boars in the commercial **production** of *swine.* 034739
Pork **production** on conveyor belt. 040430
Profitability of *swine* **productions** (development from May 1, 1969 to April 30, 1974). 031494
Experience from gradual realization of the hybridization **program** *[Swine].* 034857
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of **puberty-induced** *gilts* following estrus synchronisation and artificial insemination. 034577
The nutritive value of dried potato and maize **pulps** for *swine.* 034527
The importance of juice-holding ability to *pork* **quality.** 033074
Secretory activity of the sexual apparatus in *swine* and **rabbit** females at the period of fertilization and early embryogenesis. 034812
Studies on the histostructure of skeletal musculature and some meat qualities of *sows* **raised** under different exercise regimes. 034246
Genetic polymorphims of amylase and ceruloplasmin in two breeds of *hogs* **raised** in the southern UkrSSR. 034602
Morphological and physiological bases of some locomotor disturbances of *swine* **raised** on a large-scale. 035381
Strongyloidosis [Strongyloides **ransomi]** in *swine.* 034997
The feedingstuff potential of cashewnut scrap kernel meal **[Rats,** *swine].* 034370
Measurement of cutaneous heat exchanges in *swine* **reared** under shelter by means of the energy balance method. 033751
Reproductive potency of *sows* **reared** as baby pigs by early weaning. 034863
Limits of profitability in *swine* **rearing.** 031452
Barn disinfection in *swine* **rearing.** 035149
Regulation of the reproductive process of *sows* with **regard** to increasing their fertility. 034862
Affinity chromatography in the study of *[hog* **renal]** renin. 034121
Lysine requirement for **reproduction** in *swine.* 034413
Studies on the use of artificial ultraviolet radiation in farrowing houses *[Swine* **sanitation].** 034926
Hypothalamic hormones [isolated from **sheep** and *swine].* 033777
Artificial insemination with spermatozoa in formaldehyde **[Sheep,** *swine].* 034679
The present method of classification of *pork* **sides** in the EEC [European Economic Community]. 032007
Examination of **slaughter** *swine* for pesticide and arsenic residues. 032000
Results of tests for inhibitors in **slaughter** *swine.* 033903
Evaluation of roasted corn and **soybeans** for *swine.* 034469
Vaccination against foot-and-mouth disease of *swine* in **Spain.** Field results obtained with an O-C bivalent specific vaccine. 035027
The binding of labelled basic proteins by *boar* **spermatozoa.** 034695
New breeds of swine: Chester White and **Spotted** *swine.* 1. Their characteristics and economic aspects. 034554
Epizootiology of vesicular **stomatitis** in *swine.* 035242
On the volatile bases and the volatile fatty acids in *pork* during the **storage** at low temperatures [Keeping quality]. 033045
Use of certain anti-bacterial agents in **storing** *boar* sperm. 034869
Regulated reproduction as a basis of **successful** *swine* breedng. 034861
The feeding of alfalfa juice and the meat quality in **swine** *[Pork].* 034524
Studies into ways to induce the onset of puberty by means of heat and ovulation **synchronisation** *[Swine].* 034753
Stress **syndrome** in *swine.* 035387
Cytochrome P-450 and steroidogenesis *[Swine,* **testes].** 034198
Isolation and characterizaton of a ganglioside containing fucose from *boar* **testis.** 034028
Evaluation of the sanitary harmlessness of the wood-impregnation substance Pentor 70 *[Swine,* **toxicity].** 035452
The pathology of subacute methylmercurialism in *swine* **[Toxicosis].** 035403
Experience in the use of enzyme preparations in livestock nutritions [Chickens, **turkeys,** *swine].* 034393
A foot-and-mouth disease **vaccine** for *swine.* 035029
Swine **vesicular** disease. 034992

A new form of *swine* **vesicular** diseases [enteroviruses] and measures for their prevention. 035097
A case of *swine* **vesicular** disease (SVD) in the Netherlands [is compared with foot-and-mouth diseases, virus diseases]. 035213
Cell protein as animal feed from thermophilic digestion of *swine* **wastes.** 033535
Prevention of coli enterotoxemia in **weaned** *swine* [Edema disease]. 035212
Results obtained from histological uterus examination of **young** *sows* after heat synchronization, heat stimulation and synchronization of ovulation. 034751
Air conditioning of **young** *swine* cages. 040314
Content of RNA and sulfhydryl-groups in *swine* **zygotes** during natural ovulation and hormonal stimulation. 034806

SYCAMORE
Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of *sycamore* [**Acer** pseudoplatanus] cells and intracistronic reiteration. A DNAhybridization study. 037895

SYMBIOSIS
Biochemical studies of **algal-bacterial** *symbiosis* in high-rate oxidation ponds with varying detention periods and algae. 036790
Photoproduction of molecular hydrogen by a plant **[Azolla]-algal** *symbiotic* system. 037259
Bark-beetle-fungal *symbiosis.* III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Can the nitrogen demand of shrinking nitrogen consumption be covered by **forced** *symbiosis* with natural nitrogen compounds? 041111
Contribution of *symbiosis* to the **nitrogen** needs of soybean (Glycine max L. Merr.). 037334
Non-symbiotic **nitrogen** fixation in soil. 040652
Possible formation and development of spirochaete attachment sites found on the surface of *symbiotic* **polymastigote** flagellates of the termite Reticulitermes flavipes. 039637
Some morpho-physiological and *symbiotic* **properties** of polyploid forms of pea nodule bacteria [Rhizobium leguminosarum, alfalfa]. 037680
Effects of bentazon and dinoseb on soil microorganisms and on the **Rhizobium-Leguminosae** *symbiosis.* 039182
Cross-reactive antigens and lectin as determinants of *symbiotic* **specificity** in the Rhizobium-clover association. 036175
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] *symbiotic* on **xylophagous** insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876

SYMMETRY
Synthesis of a mixed triglyceride with two different fatty acids: *symmetrical* and **asymmetrical** palmitodiolene. 032908
Retention of *symmetrical* **go-no** go avoidance differentiation after prefrontal lesions in dogs. 033838

SYMPHYLA
Symphylids [**Symphyla,** vegetable pests]. 039310

SYNANTHROPIC
Attractants for *synanthropic* **flies:** Identification of attractants and coattractants for Hippelates [collusor] eye gnats (Diptera: Chloropidae). 039467

SYNAPSIS
Neuronal activity in the lateral vestibular nucleus of the cat. IV. *Postsynaptic* **potentials** evoked by stimulation of peripheral somatic nerves. 034132
Post-synaptic **specializations** in cat spinal cord. 033878
Synaptic **transmission** in insects. 039773
Synaptic **transmission** in the central nervous system of insects. 039777
Comparison of *synaptic* **vesicle** sizes in axonal profiles synapsing on neuronal bodies and dendrites in the cat motor cortex. 034216
Identification of glycine in the *synaptic* **vesicles** of the bovine cortex. 034114

SYNCHRONIZATION
Separation of cell types in *synchronized* **cultures** of Volvoxcarteri [Algae]. 036306
The induction of pyrimidine dimers in nuclar DNA after U.V. [Ulraviolet]-irradiation during the *synchronous* **cycle** of Saccharomyces cerevisiae [Yeasts]. 036557
The effect of *synchronizing* **dark** period on populations of Scenedesmus quadricauda [Algae]. 036829
Investigations into puberty inducement with pre-pubescent gilts by means of gonadotropic hormones. 2. Fertility results of puberty-induced gilts following **estrus** *synchronisation* and artificial insemination. 034577
Estrus *synchronization* and fertility studies [in beef cattle] at Dean Lee Agricultural Center. 034726
Megestrolacetat administered for induction of and *synchronization* of **estrus** in heifers. 034765
Experience in the use of **estrus** *synchronization* in heifers in Halle County [Cattle]. 034832
Use of chlormadinone acetate (Bovisynchron) for *synchronizing* **estrus** in cattle. 034865
Synchronization of the **fission** yeast Schizosaccharomyces pombe using heat shocks. 037110
Results obtained from histological uterus examination of young sows after **heat** *synchronization,* heat stimulation and synchronization of ovulation. 034751
From attentiveness to sleep. A topographical analysis of **localized** *"synchronized"* activities on the cortex of normal cat and monkey. 033708
Results obtained from histological uterus examination of young sows after heat synchronization, heat stimulation and *synchronization* of **ovulation.** 034751
Studies into ways to induce the onset of puberty by means of heat and **ovulation** *synchronisation* [Swine]. 034753
Investigation of *synchronous* and **parallel** changes in the gene pools in natural populations of the fruit fly Drosophila melanogaster. 039920

SYNCHYTRIACEAE
A wet-sieving and flotation technique for the detection of resting sporangia of *Synchytrium* **endobioticum** [potato wart disease] in soil. 038563

SYNCYTIAL
Bovine **respiratory** *syncytial* virus in bovine respiratory pathology. 034987

SYNCYTIUM
Development and physiology of the oocyte-nurse **cell** *syncytium* [Insects]. 039609

SYNDROME
Outbreaks of abortion-arthrogryposis-hydranencephaly syndrome in cattle in Japan, 1972/73. VI. Recent incidence of **AAH** *syndrome* in Miyazaki prefecture and subsequent survey of cows delivering defective calves. 035305
Outbreaks of **abortion-arthrogryposis-hydranencephaly** *syndrome* in cattle in Japan, 1972/73. VII. Clinical findings of defective calves collected for two years after the end of the prevalence. 035306
Prostaglandin induced parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, **agalactia**) *syndrome.* 034766
Isolation of a subgroup two adenovirus from calf with weak **calf** *syndrome.* 035031
A *hypophysis-abscess-syndrome* in **cattle.** I. Clinical investigations [Cornebacterium pyogenes]. 035168
Estrogenic *syndrome* of fungal nature in cattle [Mycotoxicosis]. 035439
Genetic determination of the malignant **hyperthermia** *syndrome* in the Pietrain pig. 034570
Factors affecting serum creatine phosphokinase activity in pigs [Genetic marker for malignant **hyperthermia** *syndrome].* 035348
Biotin deficiency and fatty liver and **kidney** *syndrome* in chicks given purified diets containing different fat and protein levels. 034344
Natural remission of **nephrotic** *syndrome* in a dog with immune-complex glomerular disease. 035343
Pyometra [metritis] in the dog; a pathophysiological investigation. I. The **pyometra** *syndrome* [caused by a combination of hormonal and microbial factors]. 034917
Clinical-laboratory evaluation of Trimerazin Polfa effectiveness in calves with **respiratory** *syndrome.* 035377
Stress *syndrome* in swine. 035387
Ultrastructure of **wilt** *syndrome* caused by Verticillium dahliae. II. In sunflower leaves. 038590

SYNECOLOGY
Taxonomy and *synecology* of the **genus** Proturentomon Silvestri (Protura) [New taxa]. 040153

SYNERGISM
Fungitoxicity and **insecticide** *synergism* of monothioquinol phosphate esters and related compounds [Aspergillus niger, Nephotettix cincticeps, Laodelphax striatellus, Spodoptera litura]. 039529
Cumene hydroperoxide-mediated formation of inhibited complexes of methylenedioxyphenyl compounds with cytochrome P-450 **[Insecticide** *synergists].* 039595
Mycotoxin *synergism* [Fusarium, Penicillium, Aspergillus, fungal flora on agricultural commodities, feedstuffs]. 032114

SYNOPTIC
A data acquisition and analysis technique for developing a *synoptic* **presentation** of hydrothermal field survey data [Impact on the environment]. 041560

SYNOVIA
Cellular contacts in the *synovial* **membrane** of the cat and the rabbit: an ultrastructural study. 033856

SYNTHESIS
Inhibition of 6-methylsalicylic **acid** *synthesis* by the antibiotic cerulenin [Penicillium urticae, fungi]. 037017
Properties of model humic **acids** *synthesized* by phenoloxidase and autoxidation of phenols and other compounds formed by soil fungi. 040633
Synthesis of **active** forms of vitamin D. X. Synthesis of 1alpha-hydroxyvitamin D3. 032201
Poly (G) *synthesizing* **activity** in soluble chromatin isolated from cauliflower inflorescence. 037783
Synthesis of **aflatoxins** by the non-growing mycelia of Aspergillus parasiticus and the effect of inhibitors. 037053
Effect of availability of nitrogen on **alkaloid** *synthesis* in Solanaceae [Tobacco, potatoes, Datura stramonium]. 036846
Physiological study of ergot [Claviceps fungi]: induction of **alkaloid***s synthesis* by tryptophan at the enzymatic level. 037012
Synthesis of active forms of vitamin D. X. *Synthesis* of **1alpha-hydroxyvitamin** D3. 032201
The hormonal control of **amaranthin** *synthesis* in Amaranthus caudatus seedlings. 037208
Anthocyanin *synthesis* in a white flowering mutant of Petunia hybrida by a complementation technique. 037816
Antibody *synthesis* by chicken spleen cells in vitro. I. Requirements of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
Synthesis and **biological** activity of some cystine peptides from the active center of the basic trypsin inhibitor from bovine organs (Kunitz-Inhibitor). 033922
On the mechanism of photoregulation or morphoses: light-depending **carotenoid** *synthesis* [Fusarium aquaeductuum, Neurospora crassa, fungi]. 036798
Light-dependent **carotenoid** *synthesis* in the tomato fruit. 037759
Cell-free *synthesis* of tubulin 1 and tubulin 2 on polysomes isolated rom embryonic chick brain. 033789
Polymorphism in fowl serum albumin. V. Protein in *synthesis* in **cell-free** systems from regenerating liver of the fowl (Gallus domesticus). 033872
Polysomes from cultured muscle cells: the **cell-free** *synthesis* of myosin [Chick embryos]. 034046
Derepression of **cellulase** *synthesis* in Trichoderma lignorum[fungi] during limited consumption of readily assimilated carbon sources. 037115
Effect of some substances on the **cellulase** *synthesis* of the thermotolerant fungus Aspergillus terreus 17P. 037215
The diterpenoid [Delphinium] alkaloids: **chemistry** and *synthesis.* 036748
Studies on **collagen** *synthesis* in the mature dermal scar in the guinea pig. 034208
Influence of an aggregated multienzyme system on transient time: kinetic evidence for compartmentation by an *aromatic-amino-acid-synthesizing* **complex** of Neurospora crassa [Fungi]. 037241
Synthesis of **compounds** containing the isoprene unit. A stereospecific synthesis of dehydronerol isovalerate, a component of Anthemis montana L. 037287
Co-ordinate *synthesis* of ribosomes and elongation factors in the liver of immature chicks following a metabolic shift-up. 034066
Synthesis and **cytokinin** activity of N-acylaminodeazapurines[Tests with tobacco pith callus]. 037515
Cytoplasmic *synthesis* of soluble and mitochondrial malate dehydrogenase isozymes in maize. 037356
Insect chemistry. III. Use of the photochemical NORRISH type I reaction to the *synthesis* of **dihydroterpenediol** secreted by the African monarch butterfly [Danaus chrysippus]. 039935
Receptors for insulin and epidermal growth factor: relation to *synthesis* of **DNA** in cultured rabbit lens epithelium. 033766
Effect of calcitonin on **DNA** *synthesis* in experimental wounds [Rabbits]. 035433
Effect of **DNA** *synthesis* inhibitor 5-aminouracil on the mitotic cycle of sprouting seeds of Crepis capillaris L. 036369
The effect of plant growth substances and natural products on RNA and **DNA** *synthesis* in leukocytes. 036927
Nucleic acid metabolism in yeast [Saccharomyces cerevisiae]. I. Inhibition of RNA and **DNA** *synthesis* by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Effects of gibberellic acid on **DNA** *synthesis* and histology in the shoot apex of Helianthus annuus [sunflowers] during the transition to flowering. 037383
Unscheduled **DNA** *synthesis* induced in barley seeds by gamma rays and 4-nitroquinoline 1-oxide. 037483
Synthesis of **eupatilin &** eupafolin, the two cytotoxic principles from the Eupatorium species. 036988
Constituents of Eupomatia species. IV. Structure and *synthesis* of **eupolauridine** (EL base-1) and some observations on the structures of Eupolauramine (EL base-2) and hydroxyeupolauramine (EL base-3). 037893
Synthesis of **eupomatenoid-7** and eupomatenoid-12 [in Eupomatia laurina]. 037176
Synthesis of some **fungal** metabolites with 4-methoxy-5,6-dihydro-2-pyrone structure. 037082
Synthesis of **glycosylureas** from carbohydrates derived from hydrolyzates of marine algae and aquatic flowering plants [Phyllophora nervosa, Furcilaria fastigiata, Zostera marina]. 037009
Plant tumors [caused by Agrobacterium tumefaciens] resulting from unregulated **hormone** *synthesis.* 038866
Use of the method of "diffusion capsules" for studying the patterns of *synthesis* of some **hydrolytic** enzymes by microorganisms [Trichoderma lignorum]. 037004
Terpenes. XCVI. *Synthesis* of **4-hydroxy-4-methyl-trans-2-pentenoic** acid [Bunium cylindricum]. 036989
Synthesis of **indoleacetic** acid in normal and autonomous cultures of plant tissues. 036943

Synthesis and **insecticidal** activity of substitued 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas [Hylenya platura, control, lima beans]. 039341
Synthesis and **laboratory** and field evaluation of a new, highly active and stable insect growth regulator [for control of fruit pests]. 039342
Nutrient media for the **lipase** *synthesis* by Aspergillus awamori [Fungi]. 037226
Effect of heat shock on the *synthesis* of **low** molecular weight RNAs in Drosophila: accumulation of a novel form of 5S RNA. 039671
Inhibitors of **macromolecular** *synthesis* in yeast. 037104
The *synthesis* of **messenger** RNA in the cellular slime mold Dictyostelium discoideum. 036550
Synthesis of **methyl** ester 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae BKMU-488 [Yeasts]. 037231
Isolation and characterization of a **mitochondrially** *synthesized* polypeptide from Neurospora crassa cni-1 mutant [Fungi]. 036957
Synthesis of a **mixed** triglyceride with two different fatty acids: symmetrical and asymmetrical palmitodiolene. 032908
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and *synthesis* of **molecular** species of phosphatidyl choline in weanling rat liver. 032405
A **new** *synthesis* of L-2-amino-3-oxalylaminopropionic acid, the Lathyrus sativus neurotoxin. 037061
Studies on cytochrome c. X. *Synthesis* of N **[nitrogen]** alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
Photosynthetic electron transport, ATP [adenosine triphosphate] *synthesis* and **nitrogenase** activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
Utilizaton of adenosine for **nucleotide** *synthesis* in the erythrocytes of some animals [Dogs, rats, guinea pigs, hens]. 034034
Synthesis of **optically** active forms of sulcatol. The aggregation pheromone in the scolytid beetle, Gnathotrichus sulcatus. 039934
Studies on stable and during early imbibition **phases** *synthesized* Poly(A)-RNA of Agrostemma githago embryos. 036926
Genetic and biochemical studies of acid phosphatases in yeast Saccharomyces cerevisiae. V. Genetic control of regulation of acid **phosphatase** 2 *synthesis*. 036516
Pigment *synthesis* and photosynthetic activity in carotenoid deficient mutants of maize. 037448
Synthesis of **(plus/minus)-crotepoxide,** (plus/minus)-epicrotepoxide, and (plus/minus)-isocrotepoxide [isolated from Croton macrostachys]. 037008
Synthesis of **(plus/minus)-3-methoxy-N-acetylnornantenine** [Liriodendron tulipifera]. 037926
Synthesis of **polyadenylic** acid-containing ribonucleic acid during the germination of Neurospora crassa conidia [Fungi]. 037015
Synthesis of **3-polyprenyltoluquinols** and 4-carboxy-2-polyprenylphenols by cell-free preparations of Euglena gracillis [Algae]. 037177
Studies directed toward a **practical** *synthesis* of brevicomin. IV. Formation and hydrogenolysis of 5,7-dimethyl-6,8-dioxabicyclo[3.2.1.]octane under catalytic hydrogenation conditions [Pine bark beetle, Dendroctonus brevicomis]. 039391
Studies directed toward a **practical** *synthesis* of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with titanium tetrachloride [Pine bark beetle, Dendroctonus brevicomis]. 039392
Effect of estrogen on the *synthesis* and **processing** of ovalbumin messenger RNA in the chick oviduct. 034642
Ascorbate increases the *synthesis* of **procollagen** hydroxyproline by cultured fibroblasts from chick embryo tendons without activation of prolyl hydroxylase. 033786
The *synthesis* and **properties** of the complete complementary DNA transcript of ovalbumin messenger RNA [Chickens]. 034584
Effect of **prostaglandin** *synthesis* on renal function and renin in the dog. 034110
The effect of protein deprivation and starvation on the rate of **protein** *synthesis* in tissues of the rat. 032180
Humoral immunity **[Protein** *synthesis].* 032286
Iron-loading: effect on the activity of liver ribosomes in **protein** *synthesis* in rats [Nutrition study]. 032413
Influence of different amounts of alimentary protein on the age-specific feaures of the **protein** *synthesis.* 032489
Protein *synthesis* in homologous and heterologous cell-free systems from chick embryo connective tissues. 033811
Inhibition of cellular **protein** *synthesis* by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133
The effect of **protein** *synthesis* inhibition by cycloheximide on the fractionation of chloroplast structural elements [Barley]. 037400
Spectra of **protein** *synthesis* in dividing and mature cells of maize root. 037432
Study of the RNA and **protein** *synthesis* in meristems of potato tubers and the effect of growth regulators of a phenylic nature on these processes. 037683
Chromosome puff activity and **protein** *synthesis* in larval salivary glands of Drosophila melanogaster. 039902
Free intracellular amino acids of the mycelium of Aspergillus oryzae [Fungi] and acid **proteinase** *synthesis.* 036771
Synthesis of **pulvinones,** metabolites of [fungi] Aspergillusterreus and [larch mushroom] Suillus grevillei. 036867
Synthesis in the **pyrrolizidine** class of alkaloids, dl-supindine. 037067
Effect of salinization of the medium on *synthesis* and **qualitative** composition of peptides in pea plants. 037863
Time series data analysis and *synthesis* for **research** watersheds [Mathematical models]. 041234
Detailed analysis of the ribosomal **RNA** *synthesis* in yeast [Saccharomyces carlsbergensis]. 036811
Enhanced inhibition of **RNA** *synthesis* by amanitins in in vitro cultured cells [Amanita phalloides, poisonous fungi]. 036925
The relationship of chlorophyll biosynthesis to protein and **RNA** *synthesis* in greening and green leaves. 036977
Molecular mechanisms of stimulating effect of ionizing radiation on seeds: Activation of **RNA** *synthesis* [Castorbeans]. 037249
Study of the localization of **RNA** *synthesis* in fine structure of chloroplasts [Peas]. 037682
The *synthesis* of 5S **RNA** and its relationship to 18S and 28S ribosomal RNA in the bobbed mutants of Drosophila melanogaster. 039754
Comparison of **RNA** *synthesis* by bacterial [Escherichia coli] RNA-polymerase on polytene chromosomes of Drosophila with transcription in living cells. 039926
Studies on cytochrome b2 *synthesis* in **Saccharomyces** cerevisiae. 036727
Structure & *synthesis* of **salvitin,** a new flavone isolated from Salvia plebeia. 036987
Synthesis of **sluble,** thylakoid, and envelope membrane proteins by spinach chloroplasts purified from gradients. 037641
Bromonium ion-induced cyclization of methyl farnesate: application to the *synthesis* of **snyderol** [Laurencia snyderae, algae]. 037290
Synthesis of compounds containing the isoprene unit. A **stereospecific** *synthesis* of dehydronerol isovalerate, a component of Anthemis montana L. 037287
Synthesis of **sylvatine** [Piper sylvaticum]. 037751
Relationship between the *protein-synthesizing* **system** and the structure of chloroplasts. 036971
Techniques permitting increased milk production: round **table** *synthesis,* July 1974, of the Argentine Rural Society. 033606
A stereoselective **total** *synthesis* of exo- and endo-brevicomin [Dendroctonus brevicomis, control]. 039390
In **vitro** *synthesis* of lipids in relation to some hematological indexes in rats. 1. High cellulose, low fat content in feed. 034528
In vivo and in **vitro** *synthesis* of yeast [Saccharomyces cerevisiae] mitochondrial DNA. 037102

SYNTHETASES

Organ and interacellular localization of short-chain **acyl-CoA** *synthetases* in rat and guinea-pig. 033808
The developmental biochemistry of cotton seed embryogenesis and germination. VI. Levels of cytosol and chloroplast **aminoacyl-tRNA** *synthetases* during cotyledon development. 037364
The purification and properties of glutamine-dependent **asparagine** *synthetase* isolated from Lupinus albus [Lupine]. 037548
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and **aspartyl-tRNA** *synthetases* from the fungus Verticillium dahliae. 036887
Some regulatory properties of pea leaf carbamoyl **phosphate** *synthetase.* 037815
Comparative specificity of geranylgeranyl **pyrophosphate** *synthetase* of Micrococcus lysodeikticus and pumpkin. 037763
Activity and localization of succinyl-conzyme A *synthetase* in **tobacco** leaves infected with tobacco mosaic virus. 038900

SYNTHETICS

Androhaploids and restitutional diploids induced in vitro as the initial material for the analysis and for the selection of characters in *synthetic* **breeding** [Tobacco]. 036510
Gel-chromatographic method of selective extraction of *synthetic* **dyes** from food products. 032151
Flame-retardant cotton and *synthetic* **fabric** blends. 031955
Effect of *synthetic* **growth** substances on endogenous growth regulators during organic dormancy of grape. 037665
Characterization of *synthetic* **humic-like** substances of similar origin using newer physical methods. 040621
The LH response of pregnant cows and their calves to *synthetic* **LH-RH** [luteinizing hormone, releasing hormone]. 034698
Ewe luteal function influenced by pulsatile administration of *synthetic* **LHRH/FSHRH** [luteinizing hormone releasing hormone/follicle stimulating hormone releasing hormone]. 033886
Effects of progesterone and *synthetic* **luteinizing** hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). 034669
Antiviral activity of isoquinolines carbazoles and other **miscellaeous** *synthetic* chemicals in mice. 035077
The quantitative analysis of *[synthetic* and **natural]** blended-fibre yarns by point-counting. 032870
Effects of oestradiol-17beta, oestradiol benzoate and the *synthetic* **oestrogen** RU2858 on sexual differentiation in the neonatal female rat. 034668
Inhibition, by the anti-oestrogen MER-25, of defeminization induced by the *synthetic* **oestrogen** RU2858 [Rats]. 034670
Studies on cytochrome c. XI. Circular dichroism studies on *synthetic* **peptides** related to the C-terminal region of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Synthetic **pigment-protein-lipoid** complexes—models of molecular organization and functional properties of the pigment system of the photosynthetic apparatus. 036973
Influence of the dietary protein deficiency on the **protein** *synthetic* activity of microsome and soluble fraction from muscle and liver of rats. 035297
Disulfide bond-modified trypsinogen: Role of disulfide 179203 on the specificity characteristics of bovine tryspin toward *synthetic* **substrates.** 034038
Role of natural and *synthetic* **sweeteners.** 032242
Laboratory and field trials with **two** *synthetic* juvenile hormone analogues on four aphid species [Pest control]. 039207

SYRPHIDAE

A preliminary report on the *Syrphidae* **(Diptera)** of Belize, with the description of a new species. 040038
Taxonomic analysis of hoverflies (Diptera, *Syrphidae).* II. **[New** taxa]. 040059
Eriozona syrphoides Fallen (Diptera, *Syrphidae)* in **North** Wales. 040020

SYRUP

Marketing is a two-way street [Sugar, **corn** *syrup,* prices]. 031556
New [food] sweetener's big potential [Fructose **glucose** *syrup].* 032805
Carbohydrate changes in **invert** *syrups* [in sugarcane sugar manufacture]. 033160
Mini-production of **maple** *syrup* [Acer saccharum]. 033221
Separated fermentation of **starch** *syrup* [Beer manufacture]. 032728
Using **sugar** *syrup* in the food industry. 032900

SYSTEMATICS *see* TAXONOMY

SYSTEMIC

Residues of **certain** *systemic* insecticides in sweetpotato tubers [Cylas formicarius]. 039534
Systemic **character** of benzimidazolic fungicides [Translocation in plants]. 038730
Screening of systemic and *non-systemic* **fungicides** against Fusarium oxysporum causing foot and root rot of wheat. 038714
Systemic **fungicides**—their properties and application. 038781
Further use of *systemic* **fungicides** in lettuce cultivation. 038824
Further use of *systemic* **fungicides** in lettuce cultivation. 2. 038825
Resistance of Botrytis cinerea to *systemic* **fungicides** in the valley of the Mosel and Saar [Grapes]. 038829
Evaluation of a number of *systemic* **fungicides** for the control of Typhula incarnata in winter barley. 038837
Possibilities and limitations of the use of *systemic* **fungicides.** 038844
Semiautomated determination of Di-Syston in granular formulations *[Systemic* **insecticide,** for the control of sucking insects and mites on plants]. 039227
Field studies of *systemic* **insecticides.** I. Evaluation of phoxim for control of fleas [Polygenis gwyni] on cotton rats. 039477
Screening of *systemic* and **non-systemic** fungicides against Fusarium oxysporum causing foot and root rot of wheat. 038714
GM [ground maintenance] guide to *systemic* **pesticides** [for protection of ornamental trees]. 039544
Contribution to the *systemic* **treatment** of sugar and alcohol production. I. 033191
Influence of various factors on the efficacy of **two** *systemic* fungicides for control of loose smut of wheat [Ustilago nuda tritici]. 038695
The effect of concentration, exposure time and age of plant on uptake and translocation of **two** *systemic* fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. 038774

TABANIDAE

Preimaginal morphology of Tabanus spectabilis Lw. And Tabanus autumnalis brunnescens Szil. **(Diptera,** *Tabanidae).* 039725
Seasonal flight periods of *Tabanidae* **(Diptera)** in Rhodesia. 039842
Seasonal changes in physiological age composition of *tabanid* **(Diptera)** populations in southern Ontario. 039857
On the colour vision of *Tabanidae* **(Diptera).** 039972
A description of the larva and pupa of Haematopota scutellata rossica Olsufjev et Ivanistshuk **(Diptera,** *Tabanidae).* 040046
On the use of the structure of the male's genitalia for the taxonomy of horseflies **(Diptera.** *Tabanidae).* 040054

Habitat preference of *tabanid* **flies** [Tabanidae] in Hokkaido based upon the collection of female adults. 040105
Discovery of Haematopota scutellata Ols. M. Et Chv. (Diptera, *Tabanidae)* in the **middle** European part of the USSR and the description of a new subspecies. 040050

TABANUS
Preimaginal morphology of Tabanus spectabilis Lw. And *Tabanus* **autumnalis** brunnescens Szil. (Diptera, Tabanidae). 039725

TABEBUIA
Constituents of *Tabebuia* **guayacan** the structure of guayacanin. 037286

TABERNAEMONTANA
Alkaloids in Tabernaemontana species. V. Accedine and N (a)-methyl-epi-affinine, two new alkaloids from *Tabernaemontana* **accedens.** 036864

TACHINIDAE
Linnaemyia haemorrhoidalis Fall. (Diptera, *Tachinidae):* a **correction.** 040022
Actia maksymovi Mesn. *(Tachinidae,* **Diptera),** new for the fauna of Poland parasite of larch moths (Tortricidae, Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407

TAENIA
Taenia **hydatigena.** V. Surface structure of the adult worm and evaginated scolex [Dogs]. 035093
The development of *Taenia* **pisiformis** in various definitive host species [Dogs, cats, foxes, ferrets]. 035094
The effects of X-radiation on *Taenia* **pisiformis** [Dogs]. 035096

TAGGING
Metabolism of A cobalt 58 *[isotope]-tagged* **vitamin** B12 in normal and fasting albino rats. 032494

TAIGA
Podzolic soils of **central** *Taiga.* 040713
Content and some properties of concretions in the Podzolic soils of the **central** *taiga* subzone of the Komi ASSR. 040817
Turf-taiga **(frozen-gley)** soils. 040608
The relationship between the distribution of spider and vegetation cover in the **middle** *taiga* of the Ural region. 039696
Taiga **soils** of Priamur. 040607

TAIL
The **scarce** *swallow-tail:* Iphiclides podalirius (L.) in Britain. I. The evidence before Haworth. 040062

TAMARIX
Water use by saltcedar *[Tamarix* **pentandra]** as measured by the water budget method [Evapotranspiration]. 037934

TANKS
The preparation of blendings of fortified wine materials in *tanks* with the **holding** capacity of 500,000 decaliters. 033482
Relative costs of wall construction for underfloor **manure-storage** *tanks* [for a confinement swine unit]. 040370
Use of electronic computers for determining cell numbers in **milk** *tank* samples [Mastitis control]. 035273
Test of a refrigerated farm **milk** *tank,* type RM/DX 1600, rated volume 1580 liters, manufactured by Packo, Zedelgem (Belgium). 040514
Railroad *tank* cars for transport of wine materials. 040533
Separation and gravity thickening in secondary **sedimentation** *tanks* [Sludge]. 041642
Phosphorus distribution from **septic** *tank* effluent in coastal plain soils. 040676
Design guidelines for **septic** *tank* sludge treatment and disposal. 041632
Pressure wave transmission through **surge** *tanks.* An experimental set-up to study the influence of valve closure time [Reservoir, water hammer]. 041316

TANNIC
Resist treatment of wool with *tannic* **acids.** II. Physical and practical aspects. 033107

TANNING
Tannin-extract production from local materials: their utilization for *tanning* **hides** and skins. 033080
Technological interests in **proteinic** *tanning* residues [Waste utilization, pollution]. 041503

TANNINS
Tannin-extract **production** from local materials: their utilization for tanning hides and skins. 033080
Dynamics of the formation of *tannin-like* **substances** in the skin, seeds and juice of the berries of some wine grape varieties. 037720

TAPE
Utilization of **portable** *tape* recorder for a complete measurement of forest stand. 2. The improved equipment. 035535
Preparing a *slide-tape* **program:** a step-by-step approach, part 2. 032587
The *taper* and its **relation** to the physical properties of cotton fibers. 033187

TAPETUM
Development of the *tapetum* in **Pinus** banksiana preceding sporogenesis. 036271

TAPHRINA
Changes in the chlorophyll, plastoquinones and ubiquinone content of the peach leaves (cv. Elberta) infected by *Taphrina* **deformans** (Berk.) Tul. 038758

TAPIOCA
Effect of chemical modifications on the ultrastructure of corn, waxy maize, and *tapioca* **starches.** 033203

TAPPING
Preserving the planting qualities of pine seeds relative to duration of *tapping* **[Silviculture].** 035670

TARANTULA
Studies on the embryology and morphology of the whip spider, *Tarantula* **marginemaculata** C. L. Koch (Arachnida, Amblypygi, Tarantulidae). 039951

TARANTULIDAE
Studies on the embryology and morphology of the whip spider, Tarantula marginemaculata C. L. Koch (Arachnida, **Amblypygi,** *Tarantulidae).* 039951

TARGET
The major national and **forestry** *targets* of the 5th five year plan. 035545
Dung as an insect food source: dung beetles as competitors of other coprophagous fauna and as *targets* for **predators.** 039819
Soviet sugarbeet harvest below *target* **[Production].** 031612
Results, *targets* and **prospects** of spring wheat breeding in the southeast of the European part of the USSR. 036654
Isolation of the terminal complement complex from *target* **sheep** erythrocyte membranes. 033803
Target **specific** pesticides: an industrial case history. 039548
Nature of specific susceptibility to Alternaria kikuchiana in Nijisseiki cultivar among Japanese pears. IV. *Target* **tissues** of Alternaria kikuchiana toxin and their characteristic responses. 038733

TARTARIC
The effect of hydrogen-ion and *tartaric* **acid** concentrations on the yield and quality of the lime tartrate [Wine production]. 033477

TARTRATE
The effect of hydrogen-ion and tartaric acid concentrations on the yield and quality of the **lime** *tartrate* [Wine production]. 033477

TASTE
Amino **acids** and *taste.* 032240
Changes in *taste* with **age** - infancy to senescence. 032241
Tiny shrimp don't skimp on **big** *taste.* 032639
Fermentation, utilization and *palatability* of **broiler** litter ensiled at different moisture levels. 033572
Fermentation, utilization and *palatability* of **broiler** litter ensiled with high moisture corn grain [Sheep, cattle]. 034471
Forage nutritive value and *palatability* of 12 **common** annual weeds. 034355
Taste **factors** and obesity. 032243
Oxidized phosphatidylcholines from defatted soybean **flakes** *taste* bitter. 033252
Chemical components and *taste* of **green** tea. 032873
Taste **identification** experiments for choosing persons for organoleptical examinations [of food]. 032029
Taste **substances** in foods. V. Organic acids in vegetables [Asparagus, Aralia **elata,** Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409
Flavors that sell preserve the **sweet** *taste* of success. 032630

TAURUS
Temperature-induced changes in metabolism and body weight of cattle **(Bos** *taurus).* 033850
Robertson-type translocations (centric fusions) of autosomes in cattle **(Bos** *taurus* L.). 034604
The relative incidence and effect of bovine infectious keratoconjunctivitis in Bos indicus and **Bos** *taurus* cattle. 034979

TAXATION
Old forests, price increases, and the *tax* **assessment** situation. 035524
There can be **big** *tax* savings when you buy a farm. 031466
Will **death** *taxes* be the death of your farm? 031498
Taxes. **Depreciation** in agriculture. 031480
Tax **exempt** feed concentrates during a critical period do not cost the government a coin [Costs, dairy cattle]. 031479
Capital **gains** *[Taxes].* 031476
Taxes. The **necessity** for tax planning. 031481
Appraisal of the usefulness of modified statistical methods of *taxation* for **needs** of forest survey using an example of a selected forest tract. 035592
Taxes. The necessity for *tax* **planning.** 031481
A practical guide to *tax* **planning** using procedures for [farm] imcome equalisation. 031499
Reconsideration of the *tax* on **potential** [farm] income. 031424
The **property** *tax* as a source of revenue to finance local public services in rural parishes of Louisiana. 031440
Housing costs in the mid-seventies **[Property** *taxes].* 031447
A **property** *tax* model for Oklahoma. 031502
Taxation of **returns** from the land. 031438
Capital **transfer** *tax:* minimising the effects [Agricultural properties]. 031446
Unsatisfactory *taxation* of help by neighboring farmers [Austria]. 031404

TAXODIACEAE
Re-evaluation of Cupressaceae and *Taxodiaceae:* a **proposed** merger. 036056

TAXONOMY
The biology of Harveyella mirabilis (Cryptonemiales, Rhodophyceae). II. Carposporophyte development as related to the *taxonomic* **affiliation** of the parasitic red algae, Harveyella mirabilis. 036112
Criteria for differentiation of soil families; **American** *taxonomic* system (7th approximation). 040691
Taxonomic **analysis** of hoverflies (Diptera, Syrphidae). II. [New taxa]. 040059
Some *taxonomical* and **biological** observations of the aphids caught on the vegetables in autumn season. 040000
Carpologic-anatomical data on *systematics* of **Caucasian** species of Tripleurospermum Sch. Bip. 035966
Peculiarities in the structure of the female's head as a *taxonomic* **character** in the family of mosquitoes [Culicidae]. 040055
The *taxonomy* and **cytology** of the Sedum laconicum agregate in south-eastern Europe. 036120
Geographical patterns of evolution in neotropical Lepidoptera. *Systematics* and **derivation** of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091
The caliciales of boreal North America: *taxonomy,* **ecological** and distributional comparisons with Europe, and ultrastructural investigations in some species [New taxa]. 036148
Wing venation of click-beetles (Coleoptera, Elateridae) and its importance for *taxonomy* of the **family.** 040180
Contribution to the *taxonomy* of the **genus** Genista in Sardinia. I. Genista acanthoclada DC. 036016
Morphology and *taxonomy* of **Helminthosporium** catenarium (Drechslera cateneria). 038033
Pinus sylvestris S.L. In the Caucasus, its **history** and *systematics.* 035981
On the use of the structure of the male's genitalia for the *taxonomy* of **horseflies** (Diptera. Tabanidae). 040054
Comments on the **infraspecific** *taxonomy* of Sergentomyia minuta (Rondani, 1843), Sergentomyi africana (Newstead 1912) and Sergentomyia antennata (Newstead, 1912). 039983
The spores and *taxonomy* of **Isoetes** butleri and Isoetes melanopoda [Pteridophyta]. 035949
Olfactory sensilla and *systematics* of **Lamellicornia** (Insecta, Coleoptera). 039949
The leaf-eating microlepidoptera of [ornamental] trees and shrubs in the region of **Leningrad** *[Taxonomy].* 040075
Taxonomy of **Mentzelia** mollis and allied species (Loasaceae) [New taxa, northwestern U.s.]. 036057
Studies in the genus Oncidium. I. **[New** *taxa].* 035970
The red algae of the far eastern seas of the USSR; foliose cryptonemiacean algae (Cryptonemiales, Rhodophyta) **[New** *taxa].* 035986
The Hemisphaeriales **[New** *taxa]* in Japan. 035990
Gasteromycetes [Fungi] from the Mongolian People's Republic **[New** *taxa].* 036007
Notes on Calvatia (Lycoperdaceae). I. [Fungi, **new** *taxa].* 036009
Studies on Jungermannioideae (Hepaticae). 8. Jungermannia subgenus Plectocolea and subgenus Solenostoma in Australia, New Zealand and Oceania **[New** *Taxa].* 036015
Normapolles pollen from the Mississippi embayment. Taxonomy and stratigraphic ranges of Normapolles genera and species found in Mississippi embayment rocks **[New** *taxa].* 036020
Descriptions and distributional records of African Mecoptera [Bittacus erythrostigma, Bittacus tuxeni, **new** *taxa].* 036034
Taxonomy of Mentzelia mollis and allied species (Loasaceae) **[New** *taxa,* northwestern U.s.]. 036057
Australasian Luzula **[New** *taxa].* 036065
The genus Cocconeis Ehr. In the Saint Lawrence gulf, Quebec **[New** *taxa,* algae]. 036074
Additions and corrections to the Gasteromycetes of the Canary Islands **[New** *taxa,* fungi]. 036076
Further observations on Pyxine in Africa **[New** *taxa].* 036080
Parmelia subgenus Amphigymnia in Ethiopia **[New** *taxa].* 036084
Pestalotia gubiana sp. Nov. **[New** *taxa,* fungi]. 036086
The genus Pyxine in East Africa [Lichens, **new** *taxa].* 036093

Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a new record for north-western Atlantic coastal waters [Algae, **new** *taxa*]. 036110
Scenedesmus trainorii sp. Nov. (Chlorophyta, Chlorococcales): a polymorphic species [Algae, **new** *taxa*]. 036111
Tertiary fossil fungi from Kiandra, New South Wales [**New** *taxa*]. 036121
The genus Aphelandra (Acanthaceae) [**New** *taxa*]. 036139
The caliciales of boreal North America: taxonomy, ecological and distributional comparisons with Europe, and ultrastructural investigations in some species [**New** *taxa*]. 036148
Byssochlamys verrucosa sp. Nov. [Fungi, **new** *taxa*]. 036151
Concerning Gyoerffyella Kol [Fungi, **new** *taxa*]. 036152
Redisposition and descriptions of some Amphisphaeria species and a note on Macrovalsaria [Fungi, **new** *taxa*]. 036159
Two remarkable polypores from India [Cystostiptoporus indicus, Coltricia bambusicola, Fungi, **new** *taxa*]. 036165
Rebutia (Aylostera) frohlichiana Rausch spec. Nov. [Succulents, **new** *taxa*]. 038502
Venturia asperata sp. Nov. And its Fusicladium state on apple leaves [Fungi, **new** *taxa*]. 038752
Host races of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: Trichodectidae) [**New** *taxa*]. 039513
Arctocorisa (Monticorixa subgen. N.) armeniaca sp. N. From Transcaucasia (Heteroptera, Corixidae) [**New** *taxa*]. 039978
Larval diagnosis of the tribe Stenolophini and notes on theclassification of the subfamily Harpalinae (Coleoptera, Carabidae) [**New** *taxa*]. 039979
Paregle danieli sp. N. (Diptera, Anthomyiidae) from the Himalayas [**New** *taxa*]. 039981
The life history of a hitherto unrecognised Lycaenid species: Theclinesthes albocincta (Waterhouse) from South Australia [**New** *taxa*]. 039987
A revision of the Australian hylaeine bees (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrobylaeus Michener, Hyleoides Smith, Pharobylaeus Michener, Hemirhiza Michener, AmphylaeusMichener and Meroglossa Smith [**New** *taxa*]. 039990
A revision of the Australian hylaeine bees (Hymenoptera: Colletidae). I. Introductory material and the genera Heterapoides Sandhouse, Gephyrohylaeus Michener, Hyleoides Smith, Pharohylaeus Michener, Hemirhiza Michener, Amphylaeus Michener and Meroglossa Smith [**New** *taxa*]. 039991
On some Typhlocybinae from India (Auchenorrhyncha, Cicadellidae) [Anaka, Takama, Mandola, **new** *taxa*]. 039997
Contribution to the study of the genus Amara Bon. (Coleoptera, Carabidae) [**New** *taxa*]. 040006
Beetles of the family rhipiphoridae (Coleoptera) from the fauna of the USSR I. [**New** *taxa*]. 040048
Collembola from the East Pamirs. II. The family Isotomidae [**New** *taxa*]. 040049
New data on the fauna of Gelechiidae (Lepidoptera) from the European part of the USSR [**New** *taxa*]. 040052
On the fauna of predatory mites of Phytoseiidae (Parasitiformes) from the Yaroslavl district [**New** *taxa*]. 040053
Review of the cottony grass scales of the genus eriopeltis sign. (Homoptera, Coccoidea, Coccidae) of the Palaearctic [**New** *taxa*]. 040057
Revision of Scirtetellus Reut. (Heteroptera, Miridae) [**New** *taxa*]. 040058
Taxonomic analysis of hoverflies (Diptera, Syrphidae). II. [**New** *taxa*]. 040059
Taxonomic review of genus Nebria Latr. (Coleoptera, Carabidae) from Siberia and Far East of the USSR [**New** *taxa*]. 040060
The Phytoseiidae (Acarina: Mesostigmata) of Puerto Rico [**New** *taxa*]. 040088
A taxonomic revision of certain Aedes species (Diptera: Culicidae) of the subgenus Aedimorphus in southern Africa [**New** *taxa*]. 040097
The Naude species of South African Cicadellidae (Hemiptnufacture] ry and Deltocephalus Burmeister [**New** *taxa*]. 040102
Distribution and population constitution of Drosophila in South East Asia and Oceania. II. Drosophilidae in the suburbs of Kuala Lumpur, west Malaysia [**New** *taxa*]. 040104
A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae) [**New** *taxa*]. 040108
Revision of the genera Paraphlepsius Baker and Pendarus Ball (Rhynchota: Homoptera: Cicadellidae) [**New** *taxa*]. 040114
Descriptions of some new and new records of some known Chalcidoidea (Hymenoptera) from India [**New** *taxa*]. 040115
34th contribution to the knowledge of Neotropical Malachiidae (Coleoptera) [Lemphus, **new** *taxa*]. 040117
Coniopterygidae from South Africa (Neuroptera) [**New** *taxa*]. 040130
On the genus Aphelochirus (Heteroptera, Naucoridae) of tropical Africa [**New** *taxa*]. 040133
Revision of the genus Astraeus Laporte & Gory (Coleoptera: Buprestidae) [**New** *taxa*]. 040149
Taxonomy and synecology of the genus Proturentomon Silvestri (Protura) [**New** *taxa*]. 040153
Species of the genus Glyptorhaestus Thomson (Hymenoptera, Ichneumonidae) [**New** *Taxa*]. 040159
Three oriental Opiinae (Hymenoptera, Braconidae) from the Townes Collection [**New** *taxa*]. 040162
Knowledge of the tydeids (Acarina, Trombidiformes) from apple orchards [Lorryia palsetosa, **new** *taxa*]. 040167
Further notes on the spiders of New Guinea. II. (Araneae, Tetragnathidae, Theridiidae) [**New** *taxa*]. 040171
A key to larvae of the genus Glyptotendipes (Diptera, Chironomidae) in wter bodies of the Moscow district [**New** *taxa*]. 040172
Palearctic species of the Lonchaea corticis group (Diptera, Lonchaeidae) [**New** *taxa*]. 040177
Revision of the Stenamma species (Hymenoptera, Formicidae) from the USSE [**New** *taxa*]. 040178
Larvae of African allodapine bees. 3. The genera Allodapula and Eucondylops [**New** *taxa*]. 040254
Numerical *taxonomy* of Hypoxylon [Fungi]. IV. Comparison of the cultural states of some applanate species of Hypoxylon with other members of the genus. 036157
Taxonomic **patterns** in amino-acids of Acacia seed globulins [from Australian species]. 036114
Procedural innovations in revisionary studies: computer-assisted citation of representative specimens [Use in **plant** *taxonomy*]. 036054
The first epoxycarotenoid in a fungus: **possible** *taxonomic* marker for cantharelloid fungi. 036163
Taxonomy and **preservation** of fungus and yeast culture. 036149
Studies in African Bombyliidae. X. *Taxonomic* **problems** relevant to a catalogue of Ethiopian Bombyliidae, with descriptions of new genera and species. 040100
Taxonomy of **Raphidia** (Iranoraphidia n. Sgen.) Wittmeri Asp. And Asp. (Neuroptera, Raphidioptera, Raphidiidae). 040161
Taxonomic **review** of genus Nebria Latr. (Coleoptera, Carabidae) from Siberia and Far East of the USSR [New taxa]. 040060
A *taxonomic* **revision** of certain Aedes species (Diptera: Culicidae) of the subgenus Aedimorphus in southern Africa [New taxa]. 040097
Fauna Argentinensis . VII. The Nahuel Huapi National Park. 316. Contribution to the morphology and *systematics* of the **Scolytoidea.** 040144
Synonymy of bark beetles XXVI. 318. Morphology and *taxonomy* of **Scolytoidea.** 040160
Peculiarities of the anatomical structure of the leaf petiole in the species of Seseli L. and their *taxonomic* **significance.** 035980
Taxonomy of **species** Chlorella ultraquamata Clem. Et Fott and Chlorella fusca Shih. et Krauss [Algae]. 035961
Analytical study of the distribution of sesquiterpene lactones of different Ambrosia **species** *[Taxonomy]*. 037799
Materials concerning the morphology, biology and *taxonomy* of some **species** of Phytomyza Fallen (Diptera, Agromyzidae). 039994
Normapolles pollen from the Mississippi embayment. *Taxonomy* and **stratigraphic** ranges of Normapolles genera and species found in Mississippi embayment rocks [New taxa]. 036020
On Humaria ithacaensis *[Taxonomic* **study**]. 036082
Taxonomy and **synecology** of the genus Proturentomon Silvestri (Protura) [New taxa]. 040153
Improved DNA-DNA hybridization as a *taxonomic* **tool** for phytopathogenic bacteria. 038867

TAXUS
Development of the apex of *Taxus* **baccata** L. Under the influence of Taxomyia taxi Inch., and postmortem effects provoked by Cecidozoaire. 039399
Using *taxus* in the **landscape.** 038254

TEA
Studies on *tea.* I. **Contents** of mercury, lead, and cadmium in tea leaves and tea decoctions [Toxic trace elements]. 032157
Weed control in *tea* [**Current** practices in Sri Lanka, East Africa, South India, and Indonesia]. 039148
Studies on tea. I. Contents of mercury, lead, and cadmium in tea leaves and *tea* **decoctions** [Toxic trace elements]. 032157
Quantitative analysis of dammarane type saponins of Panax and its application to the evaluation of the commercial **ginseng** *tea* and ginseng extract. 032869
Studies on phenonal related compounds inhibiting the growth of lactic acid bacteria. II. Substances in **green** *tea* inhibiting the growth of [Leuconostoc mesenteroides P-60]. 2. 032848
Chemical components and taste of **green** *tea.* 032873
Methods of chemical analysis of **green** *tea.* 032874
Studies on tea. I. Contents of mercury, lead, and cadmium in *tea* **leaves** and tea decoctions [Toxic trace elements]. 032157
Researches regarding frost injury on *tea* **plants** in ShizuokaPrefecture in 1972. 039047
Microscopic qualitative analysis for the identification of a foreign solanaceous alkaloid in burdock **root** *tea* [Atropa lappa]. 036928

TEACHING
The effect of *teacher* **behaviors** and food serving arrangements on young children's eating in a day care center. 032203
Processing of quality wines. Past **development** and its *teachings.* 033317
"Our prime obligation is to *teach,* to **educate** and to act asa living reference library" says John Bryan, Strybing arboretum director. 035920
On *teaching* and **research** in agricultural economics and agribusiness. 031200
Grossbeeren, unity of *teaching* and **research** in vegetable production. 038308
Urgent tasks of the Plant Protection Service in Lower Saxony and its requests in *teaching* and **research.** 039085
Ben Takeye **Suzuki**—*teacher* [Bonsai]. 038273
Teens *teach* children nutrition. 032602
Trailblazing in **Tennessee** for outdoor *teaching.* 041664

TEAK
Studies of a *teak* (**Tectona** grandis L.) plantation in the Kinshasa region of Zaire. 035676
The effects of potassium supply on growth and nutrient composition of *teak* (**Tectona** grandis L.f.) seedlings. 040973

TEAR
Effect of tetracycline on *tear* **production** in the dog. 035334
Untimely presence of wear and *tear* on **tractor** driver seats. 040538

TEATS
Measurements of the influence of certain parameters of *teat* **cup** design used in the nonpulsating milking system, and variations in milk yield when alternating between this system and the pulsating system. 040455
Milking without pulsation by means of a jacketed airflow system in **single-chamber** *teat* cups (PME [pulsation-free milking] system). 040456

TECTONA
Studies of a **teak** *(Tectona* grandis L.) plantation in the Kinshasa region of Zaire. 035676
The effects of potassium supply on growth and nutrient composition of **teak** *(Tectona* grandis L.f.) seedlings. 040973

TECTONIC
Soil relict and late **holocene** *tectonic* movement in the north-Crimean lowland. 040605

TECTUS *see* MOLLUSKS

TEENS *see* ADOLESCENCE

TELEMETRY
Telemetry in **hydrology.** 041328
Telemetric **surveillance** system for water quality management on the lower Fox River. 041327

TELENOMUS
Host selection by insect parasitoids [Manduca sexta, *Telenomus* **sphingis,** Trichogramma minutum, tobacco pests]. 039203

TELEVISION
Closed-circuit *television* for agriculture. 031401
Use of **instructional** *television:* a shared program. 032596
Television **PSAs** [public service announcements] for nutrition education. 032315
Application of **quantitative** *television* microscopy for studying frozen meat structure. 033046

TELIOSPORES
Production of *teliospores* in **artificial** culture of Ustilagocrameri (Kornicke) [Setaria italica]. 038604

TELMATOSCOPUS
The salivary gland chromosomes of *Telmatoscopus* **albipunctatus** (Williston) (Diptera: Psychodidae). 039670

TELONE *see* DICHLOROPROPENES

TEMPEH
Studies on *Tempeh* [**fermented** soybean food]. I. Processing and nutritional evaluation of Tempeh from a mixture of soybean and groundnut. 033270

TEMPERATE
The grazing feed intake of Hereford and Brahman cross cattle in a **cool** *temperate* environment. 034403
Comparative response to nitrogen deficiency of a tropical and *temperate* **grass** [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019
Forestry and wildlife conservation in the *temperate* **zone.** I. General characteristics of forests and wildlife habitats and considerations for their conservation. 035521

TEMPERATURE
Temperature of **acrylamide** polymerization and electrophoretic mobilities of nucleic acids [Plants]. 036760
Effect of *temperature* and **active** acidity of the medium on the metabolism of reserve carbohydrates and survivability of baker's yeast [Saccharomyces cerevisiae]. 037216
Modeling **air** *temperature* for plant and animal simulation. 031116
A note on the metabolism of Ca, P, Mg, Na and K [calcium, phosphorus, magnesium, sodium, potassium] by pigs growing at a high **ambient** *temperature.* 033738
Ambient *temperature,* physical activity and aging in the housefly, Musca domestica. 039736

Solution of phenoprognostic problems by combining phenological curves with the **annual** *temperature* dynamics [Climate]. 031130
Role of catecholamines in thyroxine-induced changes in metabolism and **body** *temperature* during exercise in dogs. 033896
Differential influences of CNS [central nervous system] and superficial **body** *temperatures* on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (AVA's) [Sheep]. 034125
Calculating *temperature* criteria and determining temperature field in the pyrolysis of pulverized wood. 035803
Influence of *temperature* **change** on wood formation in Pinus radiata grown in controlled environments. 037928
Temperature-induced **changes** in metabolism and body weight of cattle (Bos taurus). 033850
Analysis of *temperature-jump* **chlorophyll** fluorescence induction in plants [Algae]. 036808
Ripening response of green tomatoes to ethylene **concentration** and *temperature*. 037677
Induction, selection, and experimental uses of *temperature-sensitive* and other **conditional** mutants of yeast [Saccharomyces cerevisiae]. 036585
Investigations on the progress of drying of grasses and varieties of clover under limited time and *temperature* **conditions.** 033588
Two mutations which **confer** *temperature-sensitive* radiation sensitivity in the yeast Saccharomyces cerevisiae. 037127
Temperature **control.** I. A procedure for profiling temperatures of dairy products in stores. 032980
Dog behaviour as related to spinal **cord** *temperature*. 033890
Critical *temperature* for frost damage at sprouting stage in Satsuma orange. 039046
Studies of life-mode of Cercospora sequoiae Ell. Et Ev. In a warm district of Japan. V. Conidial production at different *temperatures* **[Cryptomeria** japonica]. 038737
The effects of *temperature* and **day** length on the growth of dallisgrass (Paspalum dilatatum Poir.) and bahiagrass (Paspalum notatum Flugge.). 037380
Growth and development of soybean cv. TK5 as affected by tropical daylenghts, **day/night** *temperatures* and nitrogen nutrition. 037345
Effect of *temperature* and **density** of the larval population on the mutation penetrance in Drosophila virilis. 039758
Influence of *temperature* on the **detectibility** and chromosomal distribution of specific DNA sequences by in situ hybridisation [Mice]. 034598
Calculating temperature criteria and **determining** *temperature* field in the pyrolysis of pulverized wood. 035803
Temperature **development** in product stacks of different size and geometry [Flower bulbs]. 033350
Temperature **distribution** in storage. 040354
Concerning the influence exercised by air contained in heating steam of *temperature* **drop** in processes of heat transmission [Sugar processing]. 033306
Changes in chemical composition of wood relative to *high-temperature* **drying.** 035804
Studies on the prognosis of terms of the individual developmental stages in red plum maggot (Grapholitha funebrana Tr.) based on **effective** *temperature* summations. 039360
Temperature **effects** on cleistothecium formation of cucurbits powdery mildew [Sphaerotheca fuliginea]. 038664
Effects of **elevated** *temperature* conditioning on youthful and mature beef carcasses. 033088
Secondary dormancy in light-sensitive lettuce seeds incubated anaerobically or at **elevated** *temperature*. 037674
Effect of *temperature* on the **expression** of homoeotic mutations in Drosophila. I. Homoeotic transformation in proboscipedia mutants. 039759
Effect of *temperature* **factor** on sunflower growth and productivity in regulated environments. 037413
A comparative study of races of stem rust [Puccinia graminis tritici] of wheat: relation of *temperature* as a **factor** governing their prevalence. 038642
Recording wind velocity direction, and *temperature* in **[forest]** fires by logarithmic technique. 035507
Present concepts of *temperature* **gradients** of the medium and plant and their application in agriculture. 037266
Incorporation of exogenous amino acids into metabolism of winter wheat at different *temperatures* of **growth.** 037427
Continuous inspection of the effect of *temperature* on the **growth** of ornamental plants in winter. 037714
Rapid wet-ashing of biogenous fats, oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under **high** *temperature* and pressure. 032820
High *temperature* equipment for drying wilted grasses. 033557
Adaptation of local and acclimatized cattle breeds to **high** *temperatures* and solar radiation. 034178
Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to **high** *temperature* in susceptible genotypes of Aedes aegypti (Diptera: Culididae). 039476
Effects of **high** *temperature* and soil moisture on survival of first-instar larvae of the scarab Anoplognathus porosus (Dalman) (Coleoptera). 039820
Interrelationships of seedling age, inoculum, soil moisture level, *temperature,* and **host** and pathogen genotype in Phytopphthora [megasperma] root rot of alfalfa. 038768
Studies on lichen-dominated systems. XV. The *temperature* and **humidity** profiles in a Cladina alpestris mat. 036858
Storage of Medicago sativa—results obtained from a test under controlled conditions of *temperature* and **humidity** [Alfalfa, germination]. 037560
Photoperiodic and *temperature* **induction** of egg diapause in Aedes caspius caspius Pall. (Diptera, Culicidae). 039500
The relation of rainfall, relative humidity and *temperature* to **late** blight [Phytophthora infestans] of potato. Possibleforecasting of the disease by methods based on the above data in the region of Salonika district during the period 1950-1968. 038628
Influence of various carbon souces and *temperature* on **lipid** composition of Rhizopus arrhizus [Fungi]. 037318
On the volatile bases and the volatile fatty acids in pork during the storage at **low** *temperatures* [Keeping quality]. 033045
The storage of cow eggs at room temperature and at **low** *temperatures* [Reproductive physiology]. 034702
Chlorophyll forms affected by 3(3,4-dichlorophenyl)-1,1-dimethylurea as shown by **low** *temperature* fluorescence spectra of chloroplasts and fragments [Maize]. 037405
Vitamin biosynthesis by germinating [wheat] seeds at **low** *temperature* and in overmoistened soil. 037538
Effect of *temperature* on the **mating** compatibility of irradiated males of Callosobruchus analis. 039200
Studies on soil fungistasis. V. Effect of *temperature,* **moisture** content and incubation period. 040661
Comparison of RNA polymerase associated with Newcastle disease virus and a *temperature-sensitive* **mutant** of Newcastle disease virus isolated from persistently infected L cells. 035130
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with *temperature-sensitive* **mutants.** 035110
Keeping quality of frozen chickens and chicken portions, *time-temperature-tolerance* and **nature** of packaging tests. 033125
Effects of daylength, *temperature* and **nitrogen** level on the heading of rice plants under the controlled environments. 037540
Effect of picking stage on free amino acids content in tomato fruits during storage at chilling and **non-chilling** *temperatures*. 033344
Possibility of diagnosing resistance of grain legumes to low **positive** *temperatures* from physiological indexes. 037419
High-temperature **production** of protein-enriched feed from cassava by fungi. 033503
Temperature control. I. A procedure for **profiling** *temperatures* of dairy products in stores. 032980
Temperature-sensitive **prune** (pn) mutations of Drosophila melanogaster. 039884
Respiration of the cells of corn roots during deceleration of the rate of root growth induced by **reduced** *temperature*. 037587
Influence of the thermal characteristics of a moist clay loam soil on the *temperature* **regime** at the surface. 040708
Temperature **regime** and [soil] moisture-content dynamics of Sierozems in the semisavannahs of southern Tadzhikistan. 040808
Effect of spinal deafferentation on *temperature* **regulation** and spinal thermosensitivity in pigeons. 034127
The effects of *temperature* and **relative** humidity on the thermoregulatory responses of grouped and isolated neonate chicks. 033995
Automatic average-value signal control of *temperature* and **relative** air humidity in a phytochamber. 037251
Temperature-dependence of **repair** of sublethal radiation damage in Drosophila [melanogaster]. 039905
Temperature **requirements** of pears. 037713
Dissipation and **respiration** *temperature* of young and aged leaves in the dark. 036918
Growth and development of five [Australian] populations of Themeda australis in **response** to *temperature*. 037358
The effect of *temperature* on some **rheological** properties of wheat flour doughs. 033273
Domiati cheese stored at **room** *temperature* as affected by heat treatment of milk and different salting levels. 032935
The storage of cow **eggs** at **room** *temperature* and at low temperatures [Reproductive physiology]. 034702
Temperature **sensitivity** studies on selected strains of Mycoplasma gallisepticum [Infected chicken flocks]. 035036
Biochemical and genetical basis for the *temperature* **sensitivity** of photosynthesis and growth in chilling-sensitive plants. 036968
A note on *temperature* **sensitivity** for germination of Pterocarpus santalinus seed. 037935
Mist propagation of cassava tip cuttings for nutritional studies: effects of substrate calcium concentration, *temperature* and **shading.** 038509
An experimental greenhouse **soil** *temperature* control system. 040368
The interdependent effects of **soil** *temperature* and water content on soil respiration rate and plant root decomposition in arid grassland soils. 040804
Soil *temperature,* soil moisture and the productivity of young apple trees as influenced by bitumen mulch. 040940
Photosynthesis in Sitka spruce (Picea sitchensis (Bong.) Carr.). VI. Response of **stomata** to *temperature*. 037915
Effect of growing season and different **storage** *temperatures* on the keeping quality of squash fruits. 033360
Keeping quality of fresh date fruits as affected by cultivar and **storage** *temperatures*. 033361
The effect of *temperature* on **strains** of soft fruit spoilage fungi [Botrytis cinerea, Mucor mucedo, Rhizopus]. 038568
Enzyme activity in soils at **subzero** *temperatures*. 040796
A useful equation for calculating heat and mass transfer processes with varying **surface** *temperature* [Food technology]. 032736
The biology of cereal-cyst nematode, Heterodera avenae in India. I. Effect of moisture and *temperature* on the **survival** of cyst contents. 039004
Varietal responses to *temperatures* in **swedes** [Rutabagas]. 036765
A portable linear **thermistor** *temperature* indicator [Water analysis]. 041292
Oxygen absorption during *high-temperature* **treatment** of tobacco. 033156
The *temperature-gradient* **tunnel:** a versatile controlled environment [for the study of plant growth]. 036763
Influence of air velocity and *temperature* on the **two-stage** cooling of perishable large-sized products [Beef quarters]. 033050
Ultrahigh *temperature* pasteurization increases starter activity [Milk]. 032958
Hygienic control of *UHT* **[ultra-high** temperature treated] milk [Processing]. 033028
The effect of *temperature* on the **ultrastructure** of the cells of the embryos of Euonymus europaea L. in the process of stratification and germination of seeds. 037898
Gas exchange of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to *temperature* and **water** stress. 037037
Observations of *temperature* in **winter** wheat at Ultuna, Sweden, 1968-1972. 037591

TENANTS

What prospects are there for the *tenant* **farmer?** 031206
Tenant **[farmers]** right in Britain and Ireland. 031848
Landlord and *tenant* **shares,** 1974 [Farms, statistics]. 031743

TENDERNESS

Basic investigations into **beef** *tenderness* estimation. 1. Methodological studies on meat tenderness. 033043
The relationship of muscle pH [hydrogen-ion concentration] and **beef** *tenderness*. 033097
Factors affecting **beef** *tenderness* as measured by the Armourtenderometer. 033104
On **beef** *tenderness*. 033109
Basic investigations into beef tenderness estimation. 1. Methodological studies on **meat** *tenderness*. 033043
Objective-subjective assessment of **meat** *tenderness*. 033092

TENDON

Further characterization of procollagen messenger ribonucleic acid from embryonic **chick** *tendon* cells. 034201
Procollagen biosynthesis and polyribosome-membrane interactions in embryonic **chick** *tendon* cells. 034205
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from chick **embryo** *tendons* without activation of prolyl hydroxylase. 033786

TENEBRIO

The cryptonephridial system in the **mealworm** *Tenebrio* molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. 039672
The ultrastructure of the adult abdominal cuticle of *Tenebrio* **molitor** L. (Insecta: Coleoptera). 039939
Formation of genital system in *Tenebrio* **molitor** at latent stages of ontogenesis determined by means of the juvenile hormone analogues. 039968

TENEBRIONIDAE

Palembus Casey a senior synonym of Martianus Fairmaire **(Coleoptera,** *Tenebrionidae).* 040026
Effect of the age of Tribolium castaneum Herbst (Coleoptera: *Tenebrionidae)* on the **rate** of egg laying and fecundity [Flour pests]. 039426
A new species of the genus Blaps [balashovi] Fabr. (Coleoptera, *Tenebrionidae)* from **Turkmenia.** 040063

TENOSYNOVITIS

Infectious *tenosynovitis:* immunization experiments with a viral isolate [Chickens]. 035044
Arthro-tenosynovitis of **non-viral** etiology in the chicken [Bacteria]. 035042
Present knowledge on the **viral** *tenosynovitis* of the chick. 035046
Observations on an experimental infection of baby chicks with *tenosynovitis* **virus.** 035045

TENOTOMY

The growth of muscle **following** *tenotomy* [Rabbits]. 033998

TENSILE
Possible relationships between shear, *tensile,* and **adhesion** properties of meat and meat structure. 033094

TENSIOMETERS
Studies on moisture status of forest soil. IV. Development of original **field** *tensiometer* into automatic recording system and some improvements of the system. 040573

TENSION
Oppositional effects of acetylcholine and isoproterenol on **isometric** *tension* and cyclic nucleotide concentrations in rabbit atria. 034050
A scanning electron microscope study of the structures of normal, *tension* and **morphactin** IT 3456 induced wood in Aesculus hippocastanum. 035703
Cycling aggregation patterns of cytoplasmic F-actin coordinated with **oscillating** *tension* force generation [Physarum polycephalum, fungi]. 036300
Study of changes in *tension* of **skylines** of timber transport cable installations during operation. 035821

TENT
Control of the **forest** *tent* caterpillar [Malacosoma disstria] with microbial agents [Bacillus thuringiensis, biological control]. 039403

TENTHREDINIDAE
Sexual behavior of Hemitaxonous dubitatus (Norton) **(Hymenoptera:** *Tenthredinidae).* 040044

TENUIS ***see*** **MOLLUSKS**

TENURE
Young farmers and the structure policy [**Land** *tenure,* inheritance, family farms]. 031092

TEPHRITIDAE
Occurrence of Phagocarpus permundus in Vogelsberg and its western border region **(Diptera,** *Trypetidae).* 040078
Insects and spiders from year-old galls caused by Eurosta solidaginis Fitch (Diptera: *Trypetidae)* on **goldenrod,** Solidago canadensis L. 039233

TERATOMA
Ovarian *teratoma* in a fowl. 035328

TERMINAL
Shoot system and *terminal* **bud** of Salicaceae [Populus, Salix]. 036336
Isolation of the *terminal* **complement** complex from target sheep erythrocyte membranes. 033803
The first optic ganglion of the bee [Apis mellifera]. I. Correlation between visual cell types and their *terminals* in the **lamina** and medula. 040216
Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the *C-terminal* **region** of baker's yeast [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by thrombin and the *terminal* **residues** of the subunit polypeptides. 034030
Sugar *terminal* at the port of Maceio, Alagoas [Storage]. 033194
125I [iodine isotope] radiolabelling of 1-34 N *terminal* **tetratriacontapeptide** of bPTH [bovine parathormone] with high specific activity and without destroying biological activity. 034122

TERMINALIA
Strength properties of lanipau *[Terminalia* **copelandii,** wood]. 035759

TERMINOLOGY ***see*** **NOMENCLATURE**

TERMITE
The role of zinc in the activation of the enzyme cellulase in *termites* [**Microtermes** tragardhi]. 039742
The *termite* **problem** in plantation forestry in Peninsular Malaysia. 039398
Possible formation and development of spirochaete attachment sites found on the surface of symbiotic polymastigote flagellates of the *termite* **Reticulitermes** flavipes. 039637
The frontal weapon of **soldier** *termites.* I. Rhinotermitidae. 039817
The natural occurrence of Bipolaris **tetramera** on *termites.* 039687

TERMITIDAE
The genus Protermes (Isoptera: *Termitidae):* **description** of imago caste and new records from central Africa. 040101
A multivariate study of mandibular characters in fifth instar workers and nymphs of Drepanotermes perniger (Froggatt) **(Isoptera:** *Termitinae).* 039813

TERPENES
Terpenes. **XCVI.** Synthesis of 4-hydroxy-4-methyl-trans-2-pentenoic acid [Bunium cylindricum]. 036989

TERPENOID
Attempt of classification of *terpenoid-containing* **conceptacles** in plants. 036839
Terpenoid, **especially** diterpenoid pigments [in plants]. 036801

TERRACE
Forest regeneration of lignite mine *terraces* of the **Dnieperarea** and its limiting factors. 034435
Effectiveness of fertilizers on perennial stands on *terraces* [**Grapes,** vegetables]. 041088
Soil and water loss from **impoundment** *terrace* systems [Agricultural watersheds]. 041392

TERRAIN
Terrain **classification** for tropical logging: application to the case of Gabon. 035528

TERRAMYCIN
Treatment for retained placenta with a combination of Uniberbyl and *Terramycin* [**Dairy** cattle]. 035331

TERRESTRIAL
Ecological consideration on some *terrestrial* and **aquatic** fungi. 036213
Some effects of pollutants in *terrestrial* **ecosystems.** 041518
Role of humus formation and decomposition in the *terrestrial* **nitrogen** cycles. 040634
Conditions for splitting protodioscine, the main glycoside from **Tribulus** *terrestris* L. by the enzymic preparation of Aspergillus niger BKMt-33 [Fungi]. 037210

TERRITORY
Problems of apiculture in the steppes of **Altai** *Territory.* 040274
Interesting **cactus** *territories* in Bolivia. 6. 036145
Examination and occurrence of rabies in the *territory* of **Czechoslovakia** in the years 1969-1973 [Foxes, dogs, cats]. 035225
Fleas [Siphonaptera] of Citellus fulvus Licht. And their infection rate with the plague agent over the *territory* of **Kazakhstan** and Central Asia. 039498
The production [of grain] of strong wheat [varieties] is increasing [in the **Krasnodar** *territory].* 038201
Application of fertilizers on winter wheat fields in the eastern zone of the **Krasnodar** *territory.* 041132
Lipid metabolism in the extreme north aboriginals residing in the **Krasnoyarsk** *territory* [Nutrition]. 032493
Wine of the Khindogny and Saperavi varieties in the **Kuban** *Territory.* 033464
Observations on **male** *territories* in a carpenter bee, Xylocopa (Neoxylocopa) hirsutissima Maidl (Hymenoptera, Anthophoridae). 039956
Drying and processing rice grain in the **Maritime** *territory.* 033309
Ginseng and its role in the hunting and industrial areas of the **Maritime** *Territory.* 038553
Materials on the biology of xylophile staphylinids (Coleoptera, Staphylinidae) from the southern part of **Maritime** *Territory* [USSR]. 039714
The discovery of a member of the peculiar family Nymphomyiidae (Diptera) in the **Maritime** *Territory* [USSR]. 040074
The construction of profile embankments [for rice irrigation] from overmoistened cohesive earth in the conditions of the **Maritime** *territory.* 041267
The **optimum** *territorial* distribution of plant production on district level. 031124

TERTIARY
The succession of **Australian** *pre-Tertiary* megafossil floras. 035971
Contribution to the knowledge of the *Tertiary* **flora** of Bulgaria: New plant fossils from the Pliocene. 036010
Tertiary **fossil** fungi from Kiandra, New South Wales [New taxa]. 036121
Effects of potassium fertilization on Hevea grown on *tertiary* **sandy** soils in the savannah of the lower Ivory Coast. 040956
Investigations into the primary and *tertiary* **structures** of ox liver glutamate dehydrogenase. 034204

TESTES
Regulation of gonadotropin secretion in rams from birth to sexual maturity. II. Response of the *pituitary-testicular* **axis** to LH-RH [luteinizing hormone, follicle-stimulating hormone]. 034691
Isolation and characterizaton of a ganglioside containing fucose from **boar** *testis.* 034028
Morphological picture of *testes* of **bulls** infected with microorganisms of the genus Chlamydia. 035009
Scrotal circumference and *testicular* **consistency** in beef bulls. 034798
Proteinases in rat **epididymis** & *testis.* 033971
Some biochemical alterations in sheep pox infected **lamb** *testicular* cells. 035076
Seasonal variations in the response of the *testis* and **LH** [luteinizing hormone] levels to hemicastration of adult rams. 034693
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of *testes,* **liver,** lung and peritoneum of rats. 034109
Effect of oxytocin injection on the **rabbit** *testis* homogenate oxytocic activity. 034587
The oxytocin-inactivating activity of the **rabbit** *testes* homogenates. 034589
The **Rhodnius** *testis:* hormones, differentiation of the germ cells, and duration of the molting cycle. 039667
The **Rhodnius** *testis:* hormonal effects on germ cell division. 039668
Cytochrome P-450 and steroidogenesis **[Swine,** *testes].* 034198
The occurrence of C19 [carbon] steroids in *testicular* **tissue** and submaxillary glands of intersex pigs in relation to morphological characteristics. 034699

TESTOSTERONE
Plasma luteinizing hormone and *testosterone* in the **adult** male pig: 24 hour fluctuations and the effect of copulation. 034671
Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH [luteinizing hormone, follicle-stimulating hormone] and *testosterone* **levels.** 034690
Suppression of the development of female hamster [sexual] behaviour by implants of *testosterone* and **non-aromatizable** androgens administered neonatally. 034673
Sexual behaviour in castrated rabbits treated with *testosterone,* **oestradiol,** dihydrotestosterone or oestradiol in combination with dihydrotestosterone. 034672
Steroid-protein interactions in bovine plasma *[Testosterone-binding* **specificity].** 034694

TETANUS
Intestinal resorption of the *tetanic* **antitoxin** in the newborn calf. 034988
Intraaxonal and extraaxonal transport of **125I-[iodine** *isotope]-tetanus* toxin in early local tetanus [Cats]. 035167

TETRAACETIC
Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and ethylene **glycol** *tetraacetic* acid (EGTA). 034986

TETRACHLORIDE
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and **carbon** *tetrachloride* to hepatic protein and lipids in vitro and in vivo [in mice]. 035391
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with **titanium** *tetrachloride* [Pine bark beetle, Dendroctonus brevicomis]. 039392

TETRACYCLINE
Production of a mitochondrial mutant of Saccharomyces cerevisiae resistant to *tetracycline* and **elucidation** of the mechanism of its resistance to this antibiotic [Yeasts]. 036687
Effect of *tetracycline* on **tear** production in the dog. 035334

TETRAGNATHIDAE
Further notes on the spiders of New Guinea. II. (Araneae, *Tetragnathidae,* **Theridiidae)** [New taxa]. 040171

TETRAGONA
Tetramorium tortosum (Rog), an intermediate host of poultrytapeworms Raillietina echinobothrida and **Raillietina** *tetragona.* 035087

TETRAHYDROISOQUINOLINE
Beta-phenethylamine and *tetrahydroisoquinoline* **alkaloids** from the Mexican cactus Dolichothele longimamma. 037062

TETRAKIS
A durable flame-retardant finish for cotton based on THPC *[tetrakis* **(hydroxymethyl)-phosphonium** chloride] and urea. 031951
Strength of individual fibers treated with the flame retardant THPOH-NH3 *[tetrakis(hydroxymethyl)* **phosphonium** hydroxide with an ammonia vapor cure]. 031959

TETRAMORIUM
Stinging of man by the pavement ant, *Tetramorium* **caespitum** (L.) is painful and the reaction lasts for several days. 039466
Tetramorium **tortosum** (Rog), an intermediate host of poultrytapeworms Raillietina echinobothrida and Raillietina tetragona. 035087

TETRANYCHIDAE
Effects of two cyclopropane miticides on Tetranychus urticae **(Acari,** *Tetranychidae).* 039198
Effect of the host plant [kidney bean] nutrition on the population of the two spotted spider mite, Tetranychus urticae Koch **(Acarina,** *Tetranychidae).* 039329

TETRANYCHUS
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods [Tetranychus urticae, *Tetranychus* **crataegi,** Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726
Ageing and histological degeneration of females of spider **mites** *(Tetranychus* urticae Koch = Tetranychus telarius (L.) (Acari, Tetranichidae). 039955
Population increase of Phytoseiulus persimilis on differentinsectary feeding programs *[Tetranychus* **pacificus,** beans, pests]. 039343
Ageing and histological degeneration of females of spider mites (Tetranychus urticae Koch = *Tetranychus* **telarius** (L.) (Acari, Tetranichidae). 039955
Effects of two cyclopropane miticides on *Tetranychus* **urticae** (Acari, Tetranychidae). 039198
The effect of insect growth regulators (IGR) on spider mites and predaceous mites *[Tetranychus* **urticae,** Phytoseiulus persimilis]. 039248

Effect of the host plant [kidney bean] nutrition on the population of the two spotted spider mite, *Tetranychus* **urticae** Koch (Acarina, Tetranychidae). 039329
The relationship between endogenous and exogenous factors in the regulation of seasonal changes in the photoperiodic reaction of arthropods *[Tetranychus* **urticae,** Tetranychus crataegi, Drosophila phalerata, Schizotetranychus schizopus, Acronycta rumicis]. 039726

TETRAPHENYLBORON
Effect of *tetraphenylboron* upon the **uptake** of the LIpophilic cation dibenzylidmethylammonium by yeast [Saccharomyces cerevisiae] cells. 036814

TETRAPLOIDS
On the genetics of flower colours in diploid and *tetraploid* **genotypes** of Begonia semperflorens Link et Otto. 036720
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, *tetraploid* and **hexaploid** species of Triticum and Aegilops. 037404
Relationship between root color and economically valuable traits in *tetraploid* **hybrids** between sugar and mangel-wurzel beets. 036468
Studies on intraindividual and interindividual variation of rye chromosome pairing in diploid and *tetraploid* **populations.** II Individual variation. 036395
Fertility and productivity of *tetraploid* **rye** as affected by aneuploidy. 036645
Aneuploidy in the seed progeny of *tetraploid* **rye.** 036665
Macrogametogenesis and fertility in *tetraploid* **rye.** 036704
Specificity of pollination in *tetraploid* **species** of wheat. 036656
The role of abscisic acid in bud dormancy of di- and *tetraploid* **varieties** of grapevines. 037883
Correlation between the weight of root and sugar content in di- and *tetraploid* **variety** line sugarbeet hybrids. 037570
The gene dosage effect of the rad52 mutation on X-ray survival curves of *tetraploid* **yeast** strains [Saccharomyces cerevisiae]. 036602

TETRASOMIC
Meiotic behaviour of **single-arm** *tetrasomic* combinations of isochromosomes, telocentrics and normal chromosomes in rye (Secale cereale L.). 036416

TETRAZOLIUM
Vitality test on aleurone cells of the endosperm of Zea **mays** *(aleurone-tetrazolium* test) [Corn]. 037563
Comparative efficiency of **triphenyl** *tetrazolium* chloride reduction test for grading of milk. 032081

TETTIGONIIDAE
Two new katydids of the genus Melanonotus [tico, Melanonotus powellorum] from Costa Rica with comments on their life history **strategies** *(Tettigoniidae:* Pseudophyllinae). 040045

TEXTILES
Some moisture properties of high-percentage cotton **blends** *[Textiles].* 033185
New or unusual approaches to flameproofing **[Cotton,** *textiles].* 031957
Photofinishing for **cotton** *textiles.* 033179
Activity of the Cotton and **Exotic** *Textile* Research Institute in 1973-74. 037994
Household *textiles* consumption by farm and city families: assortment owned, annual expenditures, and sources. 032515
A radial-strain tester for measuring stress-strain behavior of **low-modules** *textiles* [Cotton]. 033158
Effect of drawing and roving processing variables and cotton/polyester blends on roving **quality** *[Textiles].* 033168
Morocco seeks larger export **trade** in *textiles.* 031607

TEXTURE
The effectiveness of applying inorganic fertilizers under winter wheat on ordinary **Chernozem** of various *texture.* 040876
Texture **evaluation** of frankfurters by dynamic testing. 033095
Utilization of materials science to achieve a better understanding of the mechanics of **food** *texture* evaluation. 032872
The freezing behaviour and *texture* of an "in **home"** frozen dessert. 032757
Influence of air phase dispersity on hard **ice-cream** *texture.* 032950
Consumptive use and water requirement of dwarf wheat in **light** *textured* soils of Rajasthan. 041231
The **microfiber** *texture* in a specialized plastic cuticle area within a sensillum field on the cockroach [Periplaneta americana] maxillary palp as revealed by freeze fracturing. 039673
Nitrate leakage from soils differing in *texture* and **nitrogen** load. 040672
Thick Bh [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to *texture* and **soil** ground water. 040779

THALAMIC
The effect of lesions of the **dorsomedial** *thalamic* nucleus on alimentary conditioned reflexes and food intake in dogs. 033723

THALASSIOSIRA
About the systematic status of the **genus** *Thalassiosira* Cl. and the phylogeny of the family Thalassiosiraceae Lebour emend. Hasle (Bacillariophyta) [Algae]. 035974

THALLIUM
The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, *thallium* and **sodium;** a functional and structural study. 039672

THALLUS
Sulphated polysaccharide of the *thallus* of **brown** seaweed Undaria pinnatifida, Wakame. 032849
The *thallus* and **spore** development of Lobospira bicuspidata Areschoug (Dictyotales: Phaeophyta). 036363

THAW
The microscopic study of vegetable tissue during **freezing** and *thawing.* 033351
Evaluation of high-moisture forrages with ruminants. II. Changes in the chemical composition of herbage after **freezing** and *thawing.* 033561
Thawing **frozen** foods. 032787
Heat transfer with regard to *thawing* and **heating** of frozen prepared foods. 032747
Investigations on heat transfer of model substances with regard to *thawing* and **heating** of frozen foods. 032748
Studies on whole semen and epididymal contents in a bull with **low** *post-thawing* sperm motility. 034767
Postmortem glycolytic and nucleotide degradative changes in muscle of the Atlantic queen crab (Chionoecetes opilio) uponiced storage of unfrozen and of *thawed* **meat,** and upon cooking. 032773
Influence of freeze rate, *thaw* **rate** and glycerol level on acrosomal retention and survival of bovine spermatozoa frozen in French straws. 034664
Cooking frozen and *thawed* **roasts:** beef, pork, and lamb cuts. 032640
Eating quality and thiamin retention of turkey breast muscle roasted and "slow-cooked" from frozen and *thawed* **states.** 032250
The structure of peaches and Aesculus pavia after various freezing and *thawing* **treatments.** Relation with quality. 033352

THEILERIA
Electron microscope studies on developmental stages of *Theileria* **annulata** (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844). 039517
Methods of **detecting** *Theileria* mutans [in cattle]. 035247

THEMEDA
Growth and development of five [Australian] populations of *Themeda* **australis** in response to temperature. 037358

THEOBROMA ***see*** **STERCULIACEAE**

THEOBROMINE
Effect of colchicine, maleic hydrazide, caffeine & *theobromine* on **cell** division of the algal flagellate Gymnodinium inversum var. elongatum Nygaard (Dinophyceae). 036316
Presence of *theobromine* in **leaves** of Ilex perado. 037197

THEOPHYLLINE
Characteristics common to choleretic increments of bile induced by *theophylline,* **glucagon** and SQ-20009 in the dog. 034150
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and *theophylline* on **salt** and water secretion in dog salivary glands. 033929

THERAPY
DTPA [diethylenetriamine pentaacetic acid] *therapy* of 241 **Am** [americum isotopes] from a simulated wound site [Dogs]. 035411
Behavioral *therapy* relating to obesity [Eating habits]. 032467
Prevention and *therapy* of **diabetes** mellitus. 032429
Nutrient requirements as affected by **drug** *therapy.* 032300
Some physico-chemical properties of **dysentery** *therapeutic*—prophylactic Newcastle phages H-17 and H-18. 035283
Fluid *therapy* [Cats]. 034890
The rationale of massive-dose vitamin therapy **(megavitamin** *therapy:* hot fictions vs cold facts). 032324
Megavitamin *therapy.* 032362
Biochemical effects of bromelins. Their *therapeutic* use **[Metabolites** of fruits]. 033371
Vitamin E *therapy* in **premature** babies. 032435
Therapeutic **preparations** for Varroa disease control [Apis mellifera]. 040280
The rationale of massive-dose **vitamin** *therapy* (megavitamin therapy: hot fictions vs cold facts). 032324

THERIDIIDAE
Further notes on the spiders of New Guinea. II. (Araneae, Tetragnathidae, *Theridiidae)* **[New** taxa]. 040171

THERMAL
Thermal **analysis** for rapid, precise testing of food ingredients, packaging materials. 032815
Rational average characteristics of perishables in *thermal* **calculations.** 032753
Influence of the *thermal* **characteristics** of a moist clay loam soil on the temperature regime at the surface. 040708
On the *thermal* **conductivity** of plant products. 032750
Thermal **conductivity** measurements of food products by the heated thermocouple method. 032760
Thermal **hardening** of the cells of higher plants in the semiarid subtropics. 037272
Thermal and **hydrogen-ion** concentration stability of the enzymic preparation of hemicellulase from Aspergillus awamori 16-4E [Fungi]. 037232
Improving *thermal* and electrical conductivity of cotton fabrics by chemical plating. 033174
Thermal **inactivation** of conidia from Aspergillus flavus andAspergillus parasiticus [Fungi]. II. Effects of pH [hydrogen-ion concentration] and buffers, glucose, sucrose, and sodium chloride [Food contamination]. 032102
Thermal and **mechanical** treatment of feeding stuffs as influencing the true digestibility of amino acids. 3. Pelleting of coarsely ground cereals as affecting the true digestibility of amino acids [Swine]. 034320
Chemical, spectroscopic, and *thermal* **methods** for the classification and characterization of humic substances. 040623
Thermal **parameters** of agricultural materials and food products. 032761
Influence of a **prolonged** *thermal* influence on the activity of the polytene chromosomes of the salivary glands of Drosophila melanogaster. 039927
Thermal **properties** of foodstuffs. 032762
Thermal **properties** of foodstuffs. 032763
On the problem of *thermal* **treatment** of feeds. 033585
Yeast composition of grape musts subjected to *thermal* **treatments** of varied intensity and duration. 033338
Protection of cytochrome P-450 by substrates against **Tween-80-assisted** *thermal* denaturation [Saccharomyces cerevisial]. 037309

THERMISTOR
A portable **linear** *thermistor* temperature indicator [Water analysis]. 041292

THERMOCOUPLE
Thermal conductivity measurements of food products by the **heated** *thermocouple* method. 032760

THERMODYNAMICS
Thermodynamics of the **interaction** between alphas1- and kappa-caseins. 032928

THERMOGENESIS
Hormonal regulation of *thermogenesis* in **goslings.** Possible role of catecholamines. 033719
Hormonal regulation of *thermogenesis* in **goslings.** Possible role of the thyroid gland. 033720
On the role of noradrenaline in the regulation of **muscle** *thermogenesis* during cooling [Rabbits]. 033901

THERMOGRAVIMETRY
A *thermogravimetric* **study** of the pyrolysis of the bark and chemically-modified bark of Jack pine, Pinus banksiana Lamb. 037941

THERMOMETER
Palaeotemperatures from tree rings and the D/H [deuterium/hydrogen] ratio of cellulose as a **biochemical** *thermometer* [Pinus radiata]. 035838

THERMOPHILA
Tolerance of alkaline protease of the fungus **Torula** *thermophila* strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Torula *thermophila* [yeast] strain UzPT-1, thermophilous producer of proteolytic enzymes. 037234

THERMOPHILIC
Studies on the survival of *thermophilic* **bacteria** during manufacture and storage in dried milks. 032056
Arachnid fauna from Bohemia and their *thermophile* **components.** 040150
Cell protein as animal feed from *thermophilic* **digestion** of swine wastes. 033535
Influence of *thermophilic* **methane** fermentation products on the metabolism of lactic acid bacteria [during culturing in milk]. 032945
Effect of products of *thermophilous* **methane** fermentation on the fermentation of fruit must by the yeast Saccharomyces vini. 033438
Torula thermophila [yeast] strain UzPT-1, *thermophilous* **producer** of proteolytic enzymes. 037234
The thermostability of secondary structure of d-glyceraldehyde-3-phosphate dehydrogenase from **thermus** *thermophilus* characterized by a new method [Soil bacteria]. 040639

THERMOPHYSICAL
Combined investigation of the *thermophysical* and **electrophysical** properties of porous media. 040816

On the *thermophysical* **parameters** of frozen foodstuffs. 032751
Which first? More *thermophysical* **properties** data or better methods to use accumulated data? [Food refrigeration]. 032764
Thermophysical **properties** of frozen lemon juice related to freeze-drying problems. 033354

THERMOREGULATION
Influence of genetic variability on *thermoregulation* in **honeybees** [Apis mellifera]. 040196
The effects of temperature and relative humidity on the *thermoregulatory* **responses** of grouped and isolated neonate chicks. 033995

THERMOSENSITIVITY
Thermosensitive **mutations** affecting ribonucleic acid polymerases in Saccharomyces cerevisiae [Yeasts]. 036563
Effect of spinal deafferentation on temperature regulation and **spinal** *thermosensitivity* in pigeons. 034127

THERMOSTABILITY
Relative *thermostability* of the [spinach] chloroplast envelope. 037817
The *thermostability* of **secondary** structure of d-glyceraldehyde-3-phosphate dehydrogenase from thermus thermophilus characterized by a new method [Soil bacteria]. 040639
The *thermostability* of **two** types of protoplasmic streaming in Physarum polycephalum [Fungi] plasmodia. 037323

THIABENDAZOLE
Thiabendazole—**storage** of guava fruits [Fungus disease control]. 038717

THIAMINE
Lactate dehydrogenase and isoenzyme changes in rats with **experimental** *thiamine* deficiency. 032387
Eating quality and *thiamin* **retention** of turkey breast muscle roasted and "slow-cooked" from frozen and thawed states. 032250
Effect of milling and baking on the retention of *thiamine* and **riboflavin** in some new wheat varieties of Pakistan. 033142
Thiamine **transport** mutants of Saccharomyces cerevisiae [Yeasts]. 036823

THIAMYLAL
Arrhythmogenic properties of *thiamylal* **sodium** in the dog. 034906

THICKENING
The degree of **cell-wall** *thickening* as a measure of the maturity of cotton fibres. 033272
Separation and **gravity** *thickening* in secondary sedimentation tanks [Sludge]. 041642
Sieve-element ultrastructure in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous **wall** *thickening* and maturation of the protoplast. 036267

THICKETS
Appraisal of the growth and development of young plantations and *thickets* **originating** from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. 035619

THICKNESS
Growth hormone and somatomedin activities in lines of pigs selected for rate of gain and *thickness* of **backfat.** 033697
Thick **Bh** [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to texture and soil ground water. 040779
Thick **Bh** [humate] horizons in the North Carolina Coastal Plain. II. Physical and chemical properties and rates of organic additions from surface sources. 040780
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of *thick* **Chernozem** in the western forest steppe of the Ukraine. 040814
Thicknesses of the **deposits** of plutonium and radium at bone surfaces in the beagle [Dogs]. 033914
Egg *thickness* as affected by calcium level in laying hen ration. 034536
Subcutaneous **fat** *thickness* of beef carcasses. 033041
The relationship of visual scores, body measurements, and **fat** *thickness* with performance and composition of bulls on 140-day feed test. 034800
Breakage of long-grain rice in relation to **kernel** *thickness.* 033201
The birefringence of wood pulp fibres and the *thickness* of the S1 and S3 **layers.** 035901
Inheritance of **pericarp** *thickness* in short season maize inbreds. 036409

THIELAVIOPSIS
Poinsettia root and stem rot control in 4-inch pots [caused by Rhizoctonia solani, Pythium ultimum and *Thielaviopsis* **basicola**]. 038977

THIENYL
Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, tributyl *[(5-chloro-2-thienyl)methyl]* **phosphonium** chloride. 038772

THINNING
Vegetative-floral balance in coffee. III. Effect of *thinning* of **blossom** on set and bean size. 038548
Root rot and stem decay following **commercial** *thinning* in western hemlock [Tsuga heterophylla] and guidelines for reducing losses. 035471
The influence of *thinning* upon **defoliation** by the gum leaf skeletonizer [Uraba lugens] in river red gum [Eucalyptus camaldulensis] forests. 039387
DDE [dichlorodiphenyl **dichloroethylene**]-**induced** *eggshell-thinning* in the American kestrel: a comparison of the field situation and laboratory results. 039568
Enzymatic basis for DDE-induced **eggshell** *thinning* in a sensitive bird. 039582
Forest *thinning* and tree acreage. 035662
A quick and data-poor approach to evaluating **precommercial** *thinning* [Pinus contorta latifolia]. 035657
Studies on artificial insemination of rabbits with special reference to *thinning* and **preservation** of semen. 034579
Influence of planting density and **selective** *thinning* on the increase of Pinus radiata near Massa Marittima (Grosseto). 035640
Time of passage in *non-thinned* **sugi** [Cryptomeria japonica] stand changing with the age. 035534
Thinning **technique** for densely planted citrus trees in orchard. 038400
Effect of plant density and time of *thinning* on the **yield** of seed cotton and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185

THIOBARBITURIC
Effect of total lipids and phospholipids on warmed-over flavor in red and white muscle from several species as measured by *thiobarbituric* **acid** analysis [Cooked poultry and livestock meat]. 033131

THIOKETONE
Residues of *2-imidazolidine-thione* **(ethylenethiourea)** in musts and wines. 031947

THIOUREA
Histopathological effect of *thiourea* on the **ovarian** tissues of Sarcophaga ruficornis (Fabr.). 039740

THIRAM
Physiological and genetic effects of seed treatment with tetramethylthiuram **disulfide** *(TMTD)* [Wheat, germination, chromosome]. 036465
Adaptation of Pythium aphanidermatum to *thiram* **[Tomatoes].** 038646

THORACIC
Stability in lobar ventilation distribution during change in *thoracic* **configuration** [Dogs]. 034022
The first report on the radiological diagnosis of *thoracic* **diseases** in large animals—a review of 140 clinical cases. 034899
Cephalic and *thoracic* **nerves** of the castor silk moth Samia ricini (Lepidoptera, Saturniidae). 039606

THORIUM
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] *[thorium* **isotope]-dotetracontapeptide** (sequence 67-108) of baker's yeast iso-1cytochrome c [Saccharomyces cerevisiae]. 032724

THREAD
Ultrastructure of Rhizobium-induced **infection** *threads* in clover root hairs. 038853

THREONINE
Early effects of feeding lysine and *threonine* **deficient** and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in weanling rat liver. 032405
Participation of aspartic acid and glycine in biosynthesis of *threonine* in **isolated** roots of Vicia sativa L. [Vetch]. 037707

THRESH
Effect of **electro-spark** *threshing* on the sowing qualities of wheat seed. 038178
Systematic and science-based fertilization for **intensified** *mowing-threshing* cropping. Experience and results of crop farming cooperative Prohn. 040919

THRESHOLD
On the problem of the extent and *threshold* of **damage** by powdery mildes (Erysiphe graminis f. sp. hordei) on spring barley. 038843
On the choice of **discriminational** *threshold* for the vegetational units of different ranks. 036182
Toxicity *threshold* of soil salts for some varieties of apples. 038960

THRIPIDAE
On the morphology of the **ceratoneon** *thrips* galls of Schefflera racemosa Harms. [Liothrips ramakrishnae]. 039236
Thrips **(Thysanoptera)** of the Crimean fauna. II. 040076

THROMBICULIDAE
New species of *chiggers* **(Acariformes,** Trombiculidae) from bats in Iran. 040175

THROMBIN
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by *thrombin* and the **terminal** residues of the subunit polypeptides. 034030
Comparison of the catalytic properties of [bovine] *thrombin* and **trypsin** by kinetic analysis on the basis of active enzyme concentration. 034023

THROMBOCYTES
Thrombocytes and **coagulation** of blood in cows affected by a mixture of nuclear fission products [Radiation injuries]. 035438

THYLAKOIDS
Evidence for structural units in **chloroplast** *thylakoids* [Nymphoides indica, beans]. 036344
Crested *thylakoids* in carotenoidoplasts of subepidermal cells of the pumpkin Cucurbita pepo L. var. aurantiformis hort. 037874
Synthesis of sluble, *thylakoid,* and **envelope** membrane proteins by spinach chloroplasts purified from gradients. 037641
Structural organization of chloroplast polyribosomes in connection with biogenesis of *thylakoids* of **grana** [Peas]. 037681
Lipid composition in photosystem I-containing fragments of pea chloroplast intergrana and **grana** *thylakoids.* 037704

THYMIDINE
Tritiated-thymidine **induced** changes in cell population kinetics in root meristems of Pisum sativum [Peas]. 039054

THYMINE
The virulence of **trimethoprim-resistant** *thymine-requiring* strains of Salmonella [typhimurium, chickens]. 035116

THYMUS
Evidence for the presence in **calf** *thymus* of a peptidic factor controlling DNA transcription in vitro. 033797
Influence of humoral factors from the **calf** *thymus* on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the thymus (FT-3) on the postradiation restoration of hemopoiesis [in rats]. 034169
The influence of **calf** *thymus* DNA and deoxyribonucleosides on the induction of different mutation types in Drosophila. 039744
Fine structure of **chicken** *thymic* epithelial vesicles. 034048
Influence of humoral factors from the calf thymus on the immunological status and processes of hematogenesis of the irradiated organism. 3. Influence of the factor from the *thymus* **(FT-3)** on the postradiation restoration of hemopoiesis [in rats]. 034169

THYROID
Experimental studies on the annual cycles of *thyroid* and **adrenocortical** functions in relation to the reproductive cycle of drakes. 034081
Endemic goiter and *antithyroid* **agents.** 032420
Appearance and disappearance of multiply ciliated follicular cells during development of the **dog's** *thyroid* gland. 033732
Thyroid **function** in feline endocrine alopecia. 035338
Hormonal regulation of thermogenesis in goslings. Possible role of the *thyroid* **gland.** 033720
Carboxylic ester hydrolases in the *thyroid* **gland** of the guinea-pig. A light microscopic study. 033917
Effect of certain nuerohumors on *thyroid* **gland** [Chickens]. 033969
Functional and fine structural relationships of *parathyroid* **glands** [Nutritional diseases, cows, dogs, rabbits]. 033726
The role of 1,25-dihydroxyvitamin D3 and *parathyroid* **hormone** in the regulation of chick renal 25-hydroxyvitamin D3-24hydroxylase. 033770
On the effect of serum gonadotropin and estrogen on the hormonal activity of the *thyroid* and **suprarenal** glands of cows. 034238

THYROTOXICOSIS
Toxicity of antibiotics in animals under suboptimal conditions. III. Toxicity of animals affected by **experimental** *thyrotoxicosis* [Rats]. 035394

THYROXINE
Role of catecholamines in *thyroxine-induced* **changes** in metabolism and body temperature during exercise in dogs. 033896
Total **serum** *thyroxine* concentration during ontogenic development of sheep. 033725
The action of *thyroxine* on the **structure** of the heart muscle cell mitochondria in prenatal ontogenesis [Chick embryos]. 034217
Wool growth rate in relation to plasma catecholamine and serum **total** *thyroxine* concentrations in growing lambs. 033717
Thyroxine **utilization** rate in suckling pigs. 033724

THYSANOPTERA
Thrips *(Thysanoptera)* of the Crimean fauna. II. 040076

TIBIA
Treatment of fractures of the *tibial* **tuberosity** in the dog. 035422

TICKS

A rapid spectrophotometric method for the monitoring of embryonic development in *ticks* [**Boophilus** decoloratus] (Acarina: Ixodoidea). 039893
Resistant cattle for biological control of **cattle** *tick* [Boophilus microplus]. 039440
The **cattle** *tick* [Boophilus microplus] in relation to animalproduction in Australia. 039441
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) *[Ticks,* **cattle,** sheep]. 039496
External parasites in animals and their **control** *[Ticks].* 039458
The brown **dog** *tick* (Rhipicephalus sanguineus) on an imported dog. 039491
Comparative susceptibility of the chorioptic mange mite, northern fowl mite, and brown **dog** *tick* to acaricides [Acarina, Sarcoptidae, Psoroptidae]. 039510
Notes on the role of *ticks* **feeding** on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain Spotted Fever. 039482
Ultrafine structure of the integument of the [blood sucking] *tick* **Hyalomma** asiaticum P. Sch. et E. Schl. during its starvation and feeding. 039504
Scanning electron microscopy of the *ticks* **Ixodes** laguri andIxodes arboricola: surface structures of Haller's organ. 039456
The role of mammals in natural foci of *tick-borne* **[Ixodes** ricinus] encephalitis in Central Europe. 039457
Observation on the biology and seasonal abundance of an encyrtid wasp [Hunterellus, a parasite of *ticks* **[Ixodes,** Haemaphysalis, Ornithodoros] in Queensland. 039483
Recent records of *ticks,* **Ixodes** cookei Packard and Dermacentor variabilis (Say) (Acarina: Ixodoidea) in southwestern Ontario. 040043
The ability of the females of **ixodid** *ticks* to recover after DDT poisoning during feeding [Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum]. 039501
The absolute registration of pasture **ixodid** *ticks* (parasitiformes, Ixodidae) from the eastern slope of Sikhote-Alin. 039502
National [livestock] *tick* **[Ixodides]** surveillance program, calendar year 1974. 039446
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates **[Rabbit** *ticks,* Haemaphysalis leporis-palustris]. 039492
On **Rhipicephalus** *ticks* of Gujarat, together with a description of a new species—rhipicephalus arakeri from a common Indian rat. 040125
Lack of specificity in assembly pheromones of **soft** *ticks* (Acari: Argasidae) [Ornithodoros tholozani, Ornithodoros savignyi, Argas brumpti]. 039479
Notes on the role of ticks feeding on lagomorphs and ingestion of *ticks* by **vertebrates** in the epidemiology of Rocky Mountain Spotted Fever. 039482

TIDE

The influence of *tidal* **flux** on microbial biomass in salt marsh creeks [Distribution and ecology of estuarine plants andanimals]. 036234
Seasonal occurrence and ecology of marine algae in a New **Hampshire** *tidal* rapid. 036136

TIE

Forces exerted on *ties* of **compress** universal density cotton bales. 033173
Service life of creosoted apitong [Dipterocarpus] and othertimber species as **railway** *ties* for 10 years. 035758
Pointers in logging and sawmilling malabayabas [Dipterocarpus grandiflorus, Tristania decorticata] for **railways** *ties.* 035755

TIEGHEMELLA

Enzymatic destruction of steroids in the process of 11alpha - and 11beta-hydroxylation of the 21-acetate of the Reichstein substance "S" by the **fungus** *Tieghemella* orchidis (fam. Mucoraceae). 037116

TILES

Solute travel-time estimates for *tile-drained* **fields.** I. Theory. 040774
Solute travel-time estimates for *tile-drained* **fields.** II. Application to experimental studies. 040775
Detection of triazine herbicides and their degradation products in *tile-drain* **water** from fields under intensive corn (maize) production. 039558

TILIA

The carotenoid content of galls produced by Eriophyes tiliae var. rudis Nal. (Acarina) on *Tilia* **cordata** Mill., leaves. 039400
Nectar production of the linden tree *[Tilia,* **honey** plants]. 037146
Observations on the development and the ultrastructure of some erinoses. I. Erinose caused by Eriophyes leisoma Nal. On the *Tilia* **intermedia** D.c. 039234

TILLAGE

Autumn *tillage* of soil and the application of green manure plants to cotton-alfalfa crop rotations. 038177
The *tillage* of a **clean** fallow for winter wheat. 038202
Cultivated pastures on the slopes of ravines [Soil erosion **control,** *tillage].* 041167
Research concerning the number of weather-permitting work days in the spring for soil **cultivation** *[Tillage].* 041144
Vertical distribution and survival of Sclerotium oryzae [stem rot of rice] under various *tillage* **methods** [Cultural control]. 038776
No *till* and **seedbed** production of small grains-ryegrass [Lolium] mixture for forage in east Texas [Cynodon dactylon]. 041147
Soil *tillage* in the plant production system. 041169
Soil *tillage* and the application of herbicides to vineyards. 041210
The effect of the way of **soil** *tillage* [on the yield of winter wheat]. 041214

TILLERS

Studies on competition between grasses and legume in mixed sward [Dactylis, Ladino clover]. VII. Comparison of the increasing capability of *tillers* or **branchings** between pasture plants grown under the isolaled culture system. 036243
Breeding of barley with stiff **culms** and few *tillers.* 036578
Day-length influence on reproductive development and *tillering* in **'Fergus'** barley. 037382

TILLETIA

The effects of soil-borne microorgaisms on the germination of chlamydospores of *Tilletia* **caries** and Tilletia foetida [Potential for the biological control of bunt]. 038811
Tilletia **sphagni,** Helotium schimperi, or what? [Fungi]. 036116

TIMBER

Timber: **biological** and economic potential. 035862
Vibration of chainsaw in *timber* **cross** cutting. III. 035707
Vibration of chainsaw in *timber* **cross** cutting. IV. Protection provided by the vibration multi-isolating equipment. 035708
Timber: more **effective** utilization. 035863
Utilization of all the parts of **exploited** *timber.* 035739
Timber **frame** housing. 035886
Recommended limiting spans for rafters made from **graded** *timber* [Dipterocarpus]. 035757
Slope instability in relation to *timber* **harvesting** in the Chilliwack Provincial Forest. 035742
Differences between **logs** and *timbers.* 035751
Preliminary studies on some **Malaysian** *timbers* for plywood manufacture. 10. Keranji (Dialium platysepalum). 035833
National forest visual management: a blend of landscape and *timber* **management.** 035562
How to double the harvest of loblolly and slash **pine** *timber* [Pinus taeda, Pinus elliottii]. 035559
Prospects for the development of *timber* **preservation** in the Ivory Coast. 035702
The potential of the lesser-known species in Sabah **[Production** of *timber].* 035601
Linear programing in the planning of *timber* **production** in a forestry unit. 035616
Price level and the trend in price of *timber* and **products** of the wood industry. 035738
Constructing a *timber* **propagator** [Cacti and succulents, seed trays]. 040470
Timber **resource** statistics for the Copper River Inventory Unit, Alaska, 1968. 035613
Control of the dimensions and moisture content of **sawn** *timber.* 035844
Factors affecting the quality of **[sawn** *timber]* finger joints manufactured in commercial jointing machines. 035845
Surface smoothness measurement of **sawn** *timber.* 035846
The properties of tropical woods. 21. Evaluation of the wood properties and wood processing suitabilities of *timbers* from **Southeast** Asia and the Pacific regions. 035710
Return from **standing** *timber* in project—evaluation analysis of Maharashtra project. 035552
Mixed hardwood forests and the continuity of *timber* **supply** in Central Sarawak. 035599
Study of changes in tension of skylines of *timber* **transport** cable installations during operation. 035821
Improving the efficiency of *timber* **utilization** by rationalizing the structure of consumption. 035736
The distribution of *timber* **volume** according to tree species and size groups in the year of 2000. 035544
Some experiences with two processing machines [for clearing **windthrown** *timber]*—BM Volvo SM 880 and Logma T 310. 035840

TIME

Population trend and *time* of **activity** of certain spiders (Araneida), collected from clover foliage in Egypt. 039262
A new division of *time* in **agriculture** and forestry. 031246
Effect of *time* of **application** of potassium gibberellate on cluster development of 'Zinfandel' grapes. 038531
Effect of rifampin **application** *time* on crown-gall tumor induction by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. 038856
Winter-time **care** will decide fate of your 'keeping' heifers. 034449
The *time-course* of **changes** in mucosal architecture and epithelial cell production and cell shedding in the small intestine of the rat fed after fasting. 032364
Flowers that have no *time* **[Cistaceae,** distribution]. 036044
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of valve **closure** *time* [Reservoir, water hammer]. 041316
Types of curves of the *time* **course** of photosynthesis and their dependence upon the strength and duration of leaf heating [Kidney beans]. 037869
A flourish of food and dairy packaging ideas—in *time* of **crisis.** 032877
The effect of tree age and *time* of **day** for collecting the flowers on the flower yield, content and composition of cassie (Acacia farnesiana) essential oils. 037692
The *time* **dependence** of food preferences. 032239
Drying *time* calculation for ice granulates in a plate freeze-dryer. 032740
An **eclosion** *timing* mechanism in the mosquito, Anopheles gambiae. 039834
The effect of concentration, **exposure** *time* and age of plant on uptake and translocation of two systemic fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. 038774
Timing and **extent** of pruning. 038413
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The *time* of **extraction** of protein fractions from seeds of plants [Wheat, rye, buckwheat]. 037344
Part-time **farming.** The results of investigations into selected aspects of particular significance [Income]. 031430
Short-term baking systems. I. Interdependence of yeast concentration, **fermentation** *time,* proof time and oxidation requirement. 033210
Genetic study of aggressiveness of two subspecies of Apis mellifera in Brazil. 2. *Time* at which the **first** sting reached a leather ball. 040246
Pollination and the *timing* of **fruit-set** in cucumbers. 037736
Study of *time* **funds** available for maintaining industrial dairy cattle plants. 031250
Number of sucklings and **grazing** *time* of calves in nursing cow herds. 034295
Reflections on the *time* **horizon** of planning in the food industry. 032785
Prediction of *time* of **hydration** during parboiling of paddy from activation energy. 033268
A note on the seasonal changes in the **incubation** *time* of groundnut rust [Puccinia arachidis]. 038602
Fertility differences between groups of sires relative to the stage of estrus at the *time* of **insemination** [Dairy cattle]. 034559
Multiple job holding and **leisure** *time* [of farmers]. 031035
The pensioner—**leisure** *time* problem? [Horticulture]. 038421
The violation of the *time* **limit** [for harvesting] leads to losses of grain [of cereal crops]. 038203
Investigations on the progress of drying of grasses and varieties of clover under **limited** *time* and temperature conditions. 033588
Corn fertilization programme in Arab Republic of Egypt. I. Utilization of nitrogen by maize as affected by *time* and **method** of application. 040859
Keeping quality of frozen chickens and chicken portions, *time-temperature-tolerance* and **nature** of packaging tests. 033125
The **optimum** *timing* and ways of fall plowing for subsequent sowing of sunflowers. 038200
The possibilities of improving the liquidity level in agricultural firms with special references to the alteration of the *timing* of **orders** and sales. 031433
The ultrastructure of the sheep placenta around the *time* of **parturition.** 034658
Time of **passage** in non-thinned sugi [Cryptomeria japonica] stand changing with the age. 035534
Time for **pasture** seed harvest. 038168
Pooling *time-series* and cross-section data: a review [Research methods, agriculture]. 031757
Effect of clone selection *time* on **potato** yield. 038529
Response of 'Thompson Seedless' grapevines to the *timing* of **preharvest** irrigation cut-off. 041230
The *timing* of **pre-meiotic** chromosome pairing and duplication in Glossina morsitans morsitans assessed by radiation induced mutations. 039688
Optimal **production** *time* for egg laying chickens—how long to retain the hens? 033642
Effects of multiple cuttings per container and fertilizer levels on visual appearance, **production** *time,* and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
Short-term baking systems. I. Interdependence of yeast concentration, fermentation time, **proof** *time* and oxidation requirement. 033210
Necessity for **proper** *timing* of applications of 2,4-D [(2,4dichlorophenoxy) acetic acid, herbicide] to winter wheat. 039113
A *time* **related** automatic total-load sediment sampler [for measuring streams]. 041366
Redistribution of the population, this *time* of **rural** space, in Auvergne, France. 030995
Recommendations for the *time* of **separation** of dairy cows in industrial open stall units. 033671
Time **series** data analysis and synthesis for research watersheds [Mathematical models]. 041234
Wine making by mash heating; long-term warming as an alternative to high heat for a **short** *time.* 033466
Solute *travel-time* estimates for tile-drained fields. I. Theory. 040774
Solute *travel-time* estimates for tile-drained fields. II. Application to experimental studies. 040775
Time of **sowing** fiber flax. 038077
Yield increase through identification of the most favourable **sowing** *time* [Rice]. 038187
A comparison of conservation methods from the points of view of plant cultivation, conservation techniques and nutritional physiology. 2. Roughage consumption, *time* **spent** ruminating and rumen fermentation with varying amounts of concentrates. 034332
Long *time* **storage** of beech [Fagus] logs under water sprinklers [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733

Could the seeds [of winter wheat] treated with [the growth inhibitor] Tur be **stored** for a long *time?* 038191
Effect of plant density and *time* of **thinning** on the yield of seed cotton and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185
Time for **thoughts** on autumn growing [Horticultural varieties]. 038517
Blood ketone body content of ewes administered propionic acid with concentrated forage for a long *time.* I. 034532
Influence of an aggregated multienzyme system on **transient** *time:* kinetic evidence for compartmentation by an aromatic-amino-acid-synthesizing complex of Neurospora crassa [Fungi]. 037241
Cytogenetic effect of N-nitroso-N-methyl urea on cells of Crepis capillaris L. seeds stored for a long *time* after **treatment.** 036954
Chemosterilization of screwworms [Cochliomyia hominivorax] (Diptera: Calliphoridae): influence of age at *time* of **treatment** on sterility and longevity. 039475
Some observations of velocity fluctuations in a strongly stratified estuary using an **ultrasonic** *transit-time-difference* current meter [Water quality]. 041323
Timing of **[winter** rye] seeds treatment [with fungicide granozan]. 038849

TIMOTHY

Micronutrients on *timothy* **[Phleum]** plantings. 041006

TIN

Uptake of 99m Tc-Sn-EHDP *[technetium-99m-tin-diphosphonate]* in **Beagles** with advanced periodontal disease [Dogs]. 035308
Sauerkraut, a natural product in *tin* **cans** [Manufacture]. 033392

TINEOLA

Aminopeptidases in webbing clothes moth larvae *[Tineola* **bisselliella.** Properties and specificities of the enzymes of intermediate electrophoretic mobility. 039639

TINNED *see* CANNING

TINOSPORA

The constituents of *Tinospora* **dentata** Diels. 037031

TIRES

Some observations on soil compression below **pneumatic** *tires.* 040556
Determining total radial reactions to wheels of the logging truck, including hardness of **suspension** and *tires.* 035806
Better deal for **tractor** *tyres.* 040485

TISSUES

Effect of Ginseng [Panax ginseng] extract on lipid and sugar metabolism. I. Metabolic correlation between liver and **adipose** *tissue* [in rats]. 032200
Percent satellite DNA as a function of *tissue* and **age** of mice. 033809
Determination of residues of BHC [bensene heychloride] components in different *tissues* of **albino** rats. 039532
Histology of **animal** *tissues* [in feeds]. 033563
The nucleolar morphology in **anther** *tissues* of the onion Allium fistulosum L. 036372
The levels of nitrogenous fertilizers and the structure of the **apple** *tissues.* 037624
Auxin-like activity of 1,2-benzisothiazole derivatives [in pea and Jerusalem **artichoke** *tissues].* 037803
Participation of adenosine triphosphatases in the transport of intermediate products of photosynthesis between **assimilating** *tissues* of C-4 plants. 037430
Localization of reactions of the C-4 dicarboxylic acid cycle in cellular structures of **assimilating** *tissues* of the cornleaf. 037583
Localisation of carbon metabolism in two **assimilation** *tissues* of maize leaf. 037443
Photosynthetic activity of the **autotrophic** *tissue* culture of Ruta. 036911
144Ce [cerium isotope] in *tissues* of **Beagle** dogs after inhalation of CeCl3 [cerous chloride] with special emphasis on endocrine glands and reproductive organs [Injuries]. 035413
Influence of dietary levels of vitamin E and selenium of *tissue* and **blood** parameters in pigs. 034353
Probabilistic distribution of dose rates in **bony** *tissue* as a function of the rhythm of Sr90 (strontium isotope] administration and age of animals [Swine, dogs]. 034168
Experimental study of a rabies vaccine from sheep **brain** *tissue* inactivated with ultraviolet rays. 035282
Age dynamics of the composition of phosphorous compounds in organs and *tissues* of **broiler** chickens. 034179
Biochemical characteristics of sterile-cultured tissue and cells of some essential oil plants. 1. Amino acid composition of **callus** *tissues* of Pelargonium Iris and Ruta grown in the dark. 037664
The influence of cyclic 3'5'-adenosine monophosphate on the induction of tumour transformation of **carrot** *tissue.* 037875
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of tissue culture. I. Production of regenerants from **chlorophyll-deficient** *tissues.* 036547
Protein synthesis in homologous and heterologous cell-free systems from chick embryo **connective** *tissues.* 033811
Age specificity of the amino acid composition and nitrogen content in the **connective** *tissue* of Caucasian Brown cattle. 034180
Embryonic chicken periosteum in *tissue* **culture:** osteoid formation and calcium uptake. 034141
Studies on the response of ewes to live Chlamydiae adapted to chicken embryos or *tissue* **culture.** 035035
Ultrastructural peculiarities of cells and plastids during change from *tissue* **culture** heterotrophic nutrition to autotrophic one. 036288
Nature of chlorophyll chimeras in the M1 of Arabidopsis [thaliana] by means of *tissue* **culture.** I. Production of regenerants from chlorophyll-deficient tissues. 036547
In vitro development of haploid embryos of Nicotiana tabacum cultivar Kentucky [Tobacco, *tissue* **culture].** 037352
In vitro propagation of Cordyline terminalis (L.) Kunth [by *tissue* **culture].** 037735
The production of hemagglutinin of Japanese B encephalitis virus in *tissue* **cultures** [Veterinary microbiology]. 035016
Tissue **cultures** of maize, wheat, rice & sorghum. II. Growth & nutrition of callus cultures. 037455
Tissue **cultures** of maize, wheat, rice & sorghum. III. Growth & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Tissue **cultures** of maize, wheat, rice & sorghum. IV. Studies of organ differentiation in tissue cultures of maize, wheat & rice. 037457
Tissues **cultures** of maize, wheat, rice & sorghum. I. Initiation of viable callus & root cultures. 037458
A dominant gene conferring disease resistance to tobacco plants is expressed in *tissue* **cultures** [Phytophthora parasitica nicotianae, black shank]. 038759
Somatic polyploidy in *tissue* **development** [Insects]. 039932
Cell enlargement and *tissue* **differentiation** during leaf expsnsion in beech, Fagus grandifolia. 036291
The influence of gibberellic acid and abscisic acid on cell and *tissue* **differentiation** of bean callus. 036323
Endocrine activities of the blastocyst and early **embryonic** *tissue* in the pig. 034199
Influence of reduced diets on the glucose-6-phosphate-dehydrogenase activity of the **fatty** *tissue* in patients with metabolic-alimentary adiposity. 032491
Extraction and purification of tRNA from **fruit** *tissues* [of tomatoes, pears, and apples]. 037805
Stimulators of growth of **gall** *tissues* in Phylloxera-infected grape plants. 039364
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into *tissues* of the **gastro-intestinal** tract after intragastric administration of carbon 14 [isotope]-leucine and tritiated glycine. 034302
Enzyme activity in kidney, adrenal and **gonadal** *tissue* of rats treated neonatally with androgen or oestrogen. 034055
Effect of water stress on the rate of non-suberized **impervious** *tissue* formation following wounding in Abies grandis [Susceptibility to insect and fungal pathogens]. 037919
A study on alfalfa-dodder [Cuscuta epithymum] relationshipsby 14C [carbon isotope]-sucrose **incorporation** in their *tissues.* 039110
Certain problems of nitrogen metabolism in plants [of kidney beans] under expansion of *tissues* **induced** by 2,4-dichlorophenoxyacetic acid. 037622
Fate mapping of nervous systems and other **internal** *tissues* in genetic mosaics of Drosophila melanogaster. 039689
Toward a comparative study of the hormonal regulation of transcription in the nuclei of animal [rats] and plant [pea **leaves]** *tissues.* 034195
Electron spin resonance spectra of chicken hepatoma and **liver** *tissue.* 033702
Chemical regulation of callus growth, organogenesis, plant regrgeneration, and somatic embryogenesis in Antirrhinum **majus** *tissue* and cell cultures. 037775
Electrophoresis of blood proteins, *tissue* of the **mammary** gland and milk in acrylamide gel. 034184
A comparative study of the quiescent center and primary **meristematic** *tissues* in the roots of maize and horsebeans. 036368
Changes in the alpha-glucosidase activity during slow autolysis of cattle **muscular** *tissues.* 034140
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and **muscular** *tissue* and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon 14 [isotope]-leucine and. 034303
Comparative studies on the cells of **nutritive** *tissue* of the young gall Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. 039231
Distribution of lipids and starch in **nutritive** *tissues* of five cynipid galls. 039232
The difference in absorption of bull seminal ribonuclease by **organ** *tissues* of juvenile and adult mice. 033906
Distribution of gonadotropic hormones labelled with 125I [iodine isotope] in animal **organs** and *tissues.* 034182
Histopathological effect of thiourea on the **ovarian** *tissues* of Sarcophaga ruficornis (Fabr.). 039740
Studies in dynamics of water release from **plant** *tissue* at superhigh frequencies. 036935
Synthesis of indoleacetic acid in normal and autonomous cultures of **plant** *tissues.* 036943
Automated hydrolysis of nonreducing sugars and fructosans from **plant** *tissue* [Grasses]. 037387
Callus cultures from **potato** *tissues* and the exclusion of potato virus X from plants regenerated from stem tips. 038892
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into *tissue* **proteins** after intragastric administration of carbon 14 [isotope]-leucine and. 034303
The effect of protein deprivation and starvation on the rate of protein synthesis in *tissues* of the **rat.** 032180
Response of alanine, tyrosine & leucine aminotransferases to dietary pyridoxine & protein in **rat** *tissues.* 032336
Simple, rapid quantitative determination of lysine and arginine [in wheat flour and **rat** *tissues]* by thin-layer chromatography. 032343
Ray *tissue* percentages in wood of Yugoslavian hardwoods. 035776
Study of chimerism in the **reproductive** *tissue* of Arabidopsis thaliana plants following irradiation of seeds. 036690
Lipid staining for the electron microscope: a new method [Tests with *tissues* of **Rhodnius].** 039827
Effect of ethylene on chlorophyllase activity and chlorophyll content in calamondin **rind** *tissue.* 033386
Luminescent-microscopic study of **root** *tissue* of common rue [Ruta graveolens]. 037280
Growth of **root-callus** *tissues* of Citrus aurantifolia [Limes] (Christm.) Swing. in longterm culture. 037753
Citric acid uptake by **rumen** *tissue.* 033965
The rate of incorporation and degradation of phenylalanine-14C [carbon isotope] by *tissue* **slices** of roosters fed a phenylalanine-free diet [Chickens]. 034427
Influence of osmotic potential on the growth and development of **soybean** *tissue* cultures. 037391
Biochemical characteristics of **sterile-cultured** *tissue* and cells of some essential oil plants. 1. Amino acid composition of callus tissues of Pelargonium Iris and Ruta grown in the dark. 037664
Verticillium wilt of strawberry. II. Study of the diffusion of the pathogen agent in the **stolon** *tissues* and in young plants. 038729
Effect of monovalent cations on transport of sugars in *tissues* of **sugarbeets.** 037425
Distribution and quantity of starch granules in **sugarcane** *tissues.* 036332
Comparative study of Aujeszky's disease virus reproduction in cell and *tissue* **suspensions** of avian embryos [quail]. 035278
Nature of specific susceptibility to Alternaria kikuchiana in Nijisseiki cultivar among Japanese pears. IV. **Target** *tissues* of Alternaria kikuchiana toxin and their characteristic responses. 038733
The occurrence of C19 [carbon] steroids in **testicular** *tissue* and submaxillary glands of intersex pigs in relation to morphological characteristics. 034699
Effect of guanidino-methylated arginines on the growth of **tobacco** *tissue* cultures. 037336
Activation of division and extension of **tobacco** *tissue* culture cells in the presence of 4-amino-3,5,6-trichloropicolinic acid. 037411
Effect of darkness on isoperoxidases in **tobacco** *tissue* cultures. 037512
Membrane potentials and activity of potassium ions cells of **tobacco** *tissue* cultures. 037584
The quiescent center and primary **vascular** *tissue* pattern formaton in cultured roots of Zea [mays, maize]. 036295
The microscopic study of **vegetable** *tissue* during freezing and thawing. 033351
Continuous hypokinesia and its effects upon *tissues* and **vessels** of extremities in experiment [Dogs]. 033774
In **vitro** *tissue* culture of sweetpotatoes, Ipomoea batatas (L.) Lam., for the production of new cultivars. 038458
Study of the influence of paramagenetic impurities of the relaxation of protons of the [plant] *tissue* **water** using the Overhauser effect. 036914
Mycotoxin determinations on animal feedstuffs and *tissues* in **Western** Canada. 035401
Ethylene and extraneous material formation in **woody** *tissues* [Eucalyptus, Rhus, apricots]. 037162
Copper and iron content of *tissues* of **X-irradiated** rabbits [Radiation, injuries]. 035436

TITANIUM

Study of *titanium* **compounds** in plants. 036942
Studies directed toward a practical synthesis of brevicomin. V. Isomer enrichment of bicyclic ketals in the 6,8-dioxabicyclo[3.2.1]octane series by complexation with *titanium* **tetrachloride** [Pine bark beetle, Dendroctonus brevicomis]. 039392

TITRATION

Determination of sulphydryl and disulphide groups in proteins by **amperometric** *titration.* [Silver]. III. Investigation of the specifity of Ag+ ions for protein SH groups [meat]. 033114

The control of prepupal puffing patterns in vitro; implications for prepupal **ecdysone** *titres* in Drosophilia melanogaster. 040218
Isotonic *titration* and isopycnic density gradient centrifugation studies of margnesium activation and subunit dissociation in yeast [Saccharomyces cerevisiae] enolase. 036785
Hybridization and selection for increased **penicillin** *titre* in wild-type isolates of Aspergillus nidulans. 036566
The inheritance of **penicillin** *titre* in crosses between lines of Aspergillus nidulans selected for increased productivity. 036567

TMTD *see* THIRAM

TOADS
Herbicides and fauna. III. Effects of herbicides on the embryonal and post embryonal development of *Bufo* **vulgaris** L. and enzymatic modifications in the larvae [Toxicity]. 039525

TOBACCO
Densitometric method of determination of nicotine, nornicotine and **anabasine** in *tobacco*. 032891
A biochemical study of *tobacco* **blue** mould [Peronospora tabacina] pathogenesis. VI. On some resistance factors. 038606
Androhaploids and restitutional diploids induced in vitro as the initial material for the analysis and for the selection of characters in synthetic **breeding** *[Tobacco]*. 036510
Procedure to isolate cell nuclei from the **callus** of *tobacco*. 036357
Glucose-6-phosphate dehydrogenase in *tobacco* **callus** strains differing in their growth and their requirement for auxin and cytokinin. 037369
Incorporation of cytokinin N6-benzyladenine into *tobacco* **callus** transfer ribonucleic acid and ribosomal ribonucleic acid preparations. 037813
Influence of weather on frogeye leaf spot [Cercospora nicotianae] incidence on **cigarette** *tobacco*. 038696
Chemistry of *tobacco* **constituents:** oxidation of alpha-ionone and the acid-catalyzed rearrangement of 5-keto-alpha-ionone. 033251
New orientation and processes in **cultivating** *tobacco* sprouts in Romania. 038113
Effect of sources of nitrogen on **flue-cured** *tobacco*. 040856
Rapid metabolic changes in the wounding response of leaf discs [of *tobacco]* **following** excision. 037526
Tobacco **fraction** 1 protein: a unique genetic marker. 036638
A new **gigantic** *tobacco* form resistant to diseases [Breeding, Bulgaria]. 036471
Sucker control: a review of experimental work 1966-1974 *[Tobacco* **growth** inhibitors]. 037487
Haploid *tobacco* plants produced in anther culture. 036677
Hormonal control of insect epidermal cell commitment in vitro *[Tobacco* **hornworm,** Manduca sexta]. 039296
Urease activity of **isolated** *tobacco* protoplasts. 037590
Transpiration rate and intercellular diffusive resistance in the *tobacco* **leaf.** 037372
Estimation of chlorophyll in *tobacco* **leaves** by direct photometry. 037349
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and water vapour efflux during leaf ontogenesis with the differences between the *[tobacco]* **leaves** according to their descending insertion level. 037367
Influence of ionic strength, pH [hydrogen-ion concentration], and chelation of divalent metals on isolation of polyribosomes from *tobacco* **leaves.** 037521
Germination of Botrytis [cinerea] and Sclerotinia [sclerotiorum] spores in the presence of pollen on *tobacco* **leaves.** 038751
Activity and localization of succinyl-conzyme A synthetase in *tobacco* **leaves** infected with tobacco mosaic virus. 038900
Heterosis and combining ability estimates for air pollution damage, primarily ozone, in **Maryland** *tobacco*. 038972
The inhibitory activity of alginic acid against *tobacco* **mosaic** virus infection. 038886
Activity and localization of succinyl-conzyme A synthetase in tobacco leaves infected with *tobacco* **mosaic** virus. 038900
Fate of *tobacco* **mosaic** virus after entering the host cell. II. Electron microscopy of virus particles recovered from inoculated leaves. 038926
The structure of the protein disk of *tobacco* **mosaic** virus to 5 A [angstrom] resolution. 038930
Influence of the *tobacco* **mosaic** virus (TMV), artificially inoculated, on yields of Virginia tobacco. 038938
Infection of Pythium arrhenomanes in vitro with *tobacco* **mosaic** virus and tobacco necrosis virus. 038946
Appearances of microtubules [of Nephrotoma saturalis and rats] after various fixative procedures, and comparison with the appearances of *tobacco* **mosaic** virus. 039824
Infection of Pythium arrhenomanes in vitro with tobacco mosaic virus and *tobacco* **necrosis** virus. 038946
Genetic and breeding studies on **Nicotiana** *tabacum* L [Tobacco]. 036494
In vitro development of haploid embryos of **Nicotiana** *tabacum* cultivar Kentucky [Tobacco, tissue culture]. 037352
Nicotine n-oxides [in *tobacco,* **Nicotiana** affinis and Nicotiana sylvestris]. 037513
A study on the resistance to Lycopersicon [tomato] virus 3 Smith in progenies of **Nicotiana** *tabacum* L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. 038897
Comparative study of **Nicotiana** *tabacum* [tobacco] varieties in relation to root knot nematodes. 038949
Inheritance of split-corolla, a developmental instability in **Nicotiana** *[Tobacco]*. 039196
Host selection by insect parasitoids [Manduca sexta, Telenomus sphingis, Trichogramma minutum, *tobacco* **pests**]. 039203
Synthesis and cytokinin activity of N-acylaminodeazapurines[Tests with *tobacco* **pith** callus]. 037515
Effect of B-995 (N-dimethylamino succinamic acid) on growth, flowering and mineral accumulation of *tobacco* **plants.** 037335
A dominant gene conferring disease resistance to *tobacco* **plants** is expressed in tissue cultures [Phytophthora parasitica nicotianae, black shank]. 038759
Physiological and biochemical changes in *tobacco* **plants** after their inoculation with potato Y virus (Solanum virus 2 Smith). 038898
Lesions by hepatitis-B [virus] antigen-containing sera in *tobacco* **plants** (Nicotiana tabaccum variety Xanthi). 038906
Effect of availability of nitrogen on alkaloid synthesis in Solanaceae *[Tobacco,* **potatoes,** Datura stramonium]. 036846
Attempts to detect cyclic adenosine 3':5'-monophosphate in higher plants by three assay methods [Oats, *tobacco,* **potatoes,** lettuce]. 037519
Pyrolysis of chitin, a **potential** *tobacco* extender. 032852
Screening *tobacco* seedlings for resistance to Phytophthora parasitica var. nicotianae [black shank]. 038773
The role of stem zones of different tiers in the flowering of plants of the photoperiodically neutral **species** *[Tobacco]*. 037401
The disturbance of physiological gradient of flowering in the photoperiodically neutral species by means of ringing and biologically active **substances** *[Tobacco]*. 037397
Tobacco **sucker** control in New Zealand using spray-applied chemical control agents. 037488
New virulent races of perenosporosis [Peronospora **tabacina]of** *tobacco*. 038805
Genetic and breeding studies on Nicotiana **tabacum** L *[Tobacco]*. 036494
A review of weed control in *tobacco* using **Tillam** E (Pebulate). 039146
Effect of guanidino-methylated arginines on the growth of *tobacco* **tissue** cultures. 037336
In vitro development of haploid embryos of Nicotiana tabacum cultivar Kentucky *[Tobacco,* **tissue** culture]. 037352
Activation of division and extension of *tobacco* **tissue** culture cells in the presence of 4-amino-3,5,6-trichloropicolinic acid. 037411
Effect of darkness on isoperoxidases in *tobacco* **tissue** cultures. 037512
Membrane potentials and activity of potassium ions cells of *tobacco* **tissue** cultures. 037584
Oxygen absorption during high-temperature **treatment** of *tobacco*. 033156
Effects of various plants on root-knot nematodes in **two-years** *tobacco* rotation plots. 039005
Field crops performance tests cotton-forage crops summer annuals, peanuts-soybeans, *tobacco,* 1975 **[Varieties,** yields]. 038142
Comparative study of Nicotiana tabacum *[tobacco]* **varieties** in relation to root knot nematodes. 038949
Morphologo-anatomical features, yield and quality of Jebel Basma 359 *tobacco* **variety** as influenced by soil. 038135
The effect of boron on the yield and chemical composion of *tobacco* **vegetative** matter. 038095
Influence of the tobacco mosaic virus (TMV), artificially inoculated, on yields of **Virginia** *tobacco*. 038938
Burley and **Virginia-type** tobacco simultaneously affected byseveral viruses in the Province of Tucuman. 038936
Chemical control of the tomato spotted wild virus vector in the province of Tucuman *[Tobacco* **virus** diseases, Frankliniella paucispinosa]. 038937
Polyamino acid induced aphid [Myzus persicae] transmission of plant **viruses** *[Tobacco]*. 038921

TOCOPHEROLS
The effect of oral contraceptives on plasma lipoproteins, cholesterol and *tocopherol* **levels** in young women. 032317
On the part played by *tocopherol* in **radiation** injury in Pisum sativum [Peas]. 039055
Cytogenetic analysis of the antimutagenic action of *alpha-tocopherol* on **spontaneous** and radiation-induced chromosome mutations [Onions, broadbeans]. 036667
Study of *tocopherols* and **sterols** of some plant oils. 032896
Use of color reactions to identify lipid classes [of plant origin], *tocopherols* including, by **thin-layer** chromatography. 037235

TOLERANCE
Tolerance of **alkaline** protease of the fungus Torula thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Benomyl *tolerance* in Verticillium dahliae [Wilt, strawberries]. 038564
Research on a population of Cercospora beticola Sacc. *Tolerant* to **benomyl.** 038639
An isolate of the pear scab fungus, Venturia pirina, *tolerant* to **benzimidazole** fungicides. 038630
Carbohydrate *tolerance* test in buffalo calves under normal and stress situations. 033976
Effect of zinc depletion on **glucose** *tolerance* [Rats, animalnutrition]. 034308
Modifying effect of daily yields on the **heat** *tolerance* of cattle. 034186
Studies of *tolerance* to **heavy** metals in the flora of the rivers Ystwyth and Clarach, Wales [Algae, pollution monitoring]. 036951
Determination of the **manufacturing** *tolerance* from the maintenance point of view [Equipment]. 040419
Plant desiccation [of the *drought-tolerant* **mass** Tortula ruralis]: polysome loss not due to ribonuclease. 037260
Competition between **metal** *tolerant* and normal plant populations; a field experiment on normal soil. 036207
Keeping quality of frozen chickens and chicken portions, *time-temperature-tolerance* and **nature** of packaging tests. 033125
Purple nutsedge [Cyperus rotundus] control and *tolerance* **ofturfgrasses** to herbicide treatments. 039172
Determining the *tolerance* of a **recreational** lake for development and usage [Water pollution]. 041570
A disc electrophoretic study of the protein of susceptible, *tolerant* and **resistant** lucerne with reference to Verticillium [albo-atrum] wilt. 038668
Physiological studies on **salt** *tolerance* in Pisum sativum (L.). III. Growth and maturation [Peas]. 037615
Contribution to the genetics of *tolerance* towards **Septoria** nodorum Berk. in wheat (Triticum aestivum). 038847
Cell multiplication in a *salt-tolerant* **strain** of Chlorella saccharophila [Algae] under saline condition. 036851

TOMATO
Studies on *tomato* **aspermy** virus from Chrysanthemum indicum L. in New Zealand. 038928
Photochemical oxidants in Yonkers, New York: [Ozone] effects on yield of **bean** and *tomato*. 039018
Studies on beta-carotene and lycopene content in the fruits of Lycopersicon esculentum Mill. X Lycopersicon chilense Dun. hybrids *[Tomatoes,* **breeding].** 036628
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in vegetable crops. 2. Biochemical studies in the metabolism of CCC in kohlrabi, **cauliflower,** and *tomatoes)*. 037824
Post-harvest decay of fruits of *tomato* **caused** by Cylindrocladium scoparium. 038706
Leaf spot of *tomato* **caused** by Sclerotium rolfsii [Nigeria]. 038778
Nutritionally conditioned virulence of Pythium butleri and susceptibility of *tomato* in **causing** damping-off. 038842
Mutability of the garden pea and *tomato* with **chronic** gamma-irradiation of the plants and the acute irradiation of the seeds. 036681
Will there be a complete revolution in the cultivation of *tomatoes* and **cucumbers** in regard to nutritional requirements? [Soilless culture]. 037715
Cultivating *tomatoes* in peat. 038512
Correlation studies on Lycopersicon esculentum, Mill *[Tomatoes,* **cultivation].** 038229
Tomato **cultivation** on the Channel Island of Guernsey. 038518
Inheritance of earliness components in a *tomato* **diallel** cross including Lycopersicon pimpinellifolium mill. and Lycopersicon hirsutum f. glabratum Humb. et Bonpl. 036478
On the role of glycoalcaloid of alpha-tomatin in the resistance of *tomato* to **diseases** and pests. 039059
Early *tomatoes* in amended greenhouse soil. 041112
If not *tomatoes...what* **else?** [Vegetables]. 038257
The influence of irradiation on *tomato* **fertilization.** 037668
Light-dependent carotenoid synthesis in the *tomato* **fruit.** 037759
Effect of picking stage on free amino acids content in *tomato* **fruits** during storage at chilling and non-chilling temperatures. 033344
Role of saponins in antifungal resistance. II. Tomatin dependent development of fruit rot organisms on *tomato* **fruits.** 038845
Induced resistance from simultaneous inoculation of *tomato* with **Fusarium** oxysporum Sacc. and Verticillium albo-atrum Reinke & Berth [Wilt]. 038635
Allozymes of **Galapagos** *tomatoes:* polymorphism, geographic distribution, and affinities. 036485
Ripening response of **green** *tomatoes* to ethylene concentration and temperature. 037677
A statistical regression model of **greenhouse** *tomato* water exchange. 037718
Intensification of **greenhouse** *tomato* production in Leipzig county. 038313
Fertilizer schedule for **greenhouse** *tomatoes* and cucumbers in southwestern Ontario. 041059
Foliar element levels of Chrysanthemum [morifolium] and *tomato* **grown** in insolubilized poly(ethylene oxide) amended media. 037734
Mass sorting of mechanically **harvested** *tomatoes*. 033448
On some problems of mechanized **harvesting** of *tomatoes*. 040542
Effect of polyethylene and aluminium foil mulches at three plant populations on yields of glass **house** *tomatoes*. 038508
Effect of non-root nutrition supplements on yield and quality of cucumbers and *tomatoes* in **hydroponic** greenhouses of the southern Ukraine [Soilless culture]. 041124

Inheritance of seed germinating capacity and rate at 26 and 11 degrees Centigrade in F1 *tomato* **interspecies** hybrids. 036477
Cellulase secretion by second stage larvae of the root-knot nematode (Meloidogyne **javanica)** *[Tomatoes].* 039032
Effect of seed irradiation (60Co) [cobalt isotope] on the development of coloring substances and total surface of *tomato* **leaves.** 037618
Effect of alkaline cations on the electrophoretic spectrum of water-soluble proteins of *tomato* **leaves.** 037861
A study on the number of ovules per fruit set in *tomato* **(Lycopersicon** esculentum Mill) hybrid combinations and the corresponding parent cultivars [Heterosis]. 036472
General and specific combining abilities for percent of fruit set in a *tomato* **(Lycopersicon** esculentum Mill.) diallel cross. 036473
General and specific combining ability for mean fruit weight in a *tomato* **(Lycopersicon** esculentum Mill.) diallel cross. 036474
Interspecies hybridization of *tomatoes* **(Lycopersicon** esculentum Mill and Lycopersicon peruvianum Mill). 036648
Varietal variations in the physical characteristics and chemical constituents of the fruits of *tomato* **(Lycopersicon** esculentum Mill). 037747
Soluble proteins and hydrolases during crown-gall [Agrobacterium tumefaciens] induction in the *tomato,* **Lycopersicon** esculentum. 038858
Count and species composition of microorganisms on stored vegetable seeds *[Tomatoes,* **melons,** celery, onions, bacteria, molds]. 038859
Metabolism of quinic acid depsides in Lycopersicon esculentum **Mill.** *[Tomatoes].* 037825
Pectinesterase, polygalacturonase, Cx-cellulase activities and softening of the rin [fruit ripening inhibitor] *tomato* **mutant** [in storage]. 033388
Effect of extracts and distillates of amended soil on the activity of Meloidogyne javanica **[Okra,** *tomatoes].* 039003
Egyptian cotton leafworm [Spodoptera littoralis] on *tomato* **[Pakistan].** 039357
Use of herbicides for *tomatoes* and **paprika.** 039135
Extraction and purification of tRNA from fruit tissues [of *tomatoes,* **pears,** and apples]. 037805
Activity of nitrate reductase in cabbage and *tomato* **plant** with introduction of algal mass as organic fertilizer. 037700
Composition in free amino acids of sap from *tomato* **plants** treated with different levels of boron [Fertilizer]. 040864
Transplanting versus direct-seeding of **processing** *tomatoes* for once-over harvest. 038267
Systematizing the *tomato,* or more **punch** for pizza [Varieties for processing, mechanization]. 038533
Raising *tomato* plants under artificial light in greenhouse and in the growing room. 037876
Inheritance of growth habit components in **self-pruning** *tomatoes.* 036476
Chemical control of the *tomato* **spotted** wild virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937
Results of long **term** *tomato* production in the greenhouse. 038320
Adaptation of Pythium aphanidermatum to **thiram** *[Tomatoes].* 038646
Physiobiochemical characteristics of *tomato* **varieties** differing in earliness. 037666
Performance of 12 *tomato* **varieties** at Tandojam. 038231
A study on the resistance to Lycopersicon *[tomato]* **virus** 3 Smith in progenies of Nicotiana tabacum L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. 038897
Experimental results of a two-year comparative irrigation research program between the drip-method and the side infiltration method *[Tomato* **yields].** 041342

TOMICUS

Appraisal of economic significance of predatory hister beetles: Paromalus Parallelepipedus Herbst and Plegaderus vulneratus Panz. (Coleoptera, Histeridae)—exterminators of *Tomicus* **piniperda** L. [Natural control, pests, Coniferae]. 039408

TONNAGE

A 20-year run on tests for early growth, breed mixing for **beef** *tonnage* [Cattle]. 034741

TONSIL

Considerations about the dissociative anesthesia in the *tonsillectomy* of the **dog.** 034882

TOOLS

The **KI-4935** *tool* for the technical diagnosis of tractors. 040483
Alberta farm business simulator (Altasim) a farm **managementteaching** *tool.* 031252
The helicopter—**new** *tool* for forest management. 035610
Pig kidney epithelial (PS) cells: a **perfect** *tool* for the study of Flaviviruses and some other arboviruses. 034960
Do animal and **plant** *tools* raise problems which are inherent? 033926
Scanning electron microscopy: a **practical** *tool* in wood technology. 035749
Improved DNA-DNA hybridization as a **taxonomic** *tool* for phytopathogenic bacteria. 038867

TOPOGRAPHY

From attentiveness to sleep. A *topographical* **analysis** of localized "synchronized" activities on the cortex of normal cat and monkey. 033708
Instruction of *topography* and **construction** in courses for obtaining academic degrees in agricultural and forest sciences. 031093
Influence of measurement accuracy of *topographic* **data** on calculation of water levels profiles. 041305
Neuronal activity in the lateral vestibular nucleus of the cat. V. *Topographical* **distribution** of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133
Contemporary development of the peat bogs in the Vitosha mountain *[Topography* and the **floristic** composition]. 036208
Studies on the accuracy of contour map of a forest tract obtained from a magnification of **medium-scale** *topographic* map. 035593
Varietal and *topographic* **variability** of cyanogenic glucoside occurrence in bird'sfoot trefoil (Lotus corniculatus L.). 037511

TOPSOILS *see* SOILS

TORRENTS

Biological avalanche and *torrent* **prevention** by timely protective forest care. 035516

TORSION

Acute dilatation and *torsion* of **stomach** in an Alsatian dog-a case report. 035326
Torsion of **uterus** in cattle. 035364

TORTRICIDAE

On the microflora of Laspeyresia pomonella L. **(Lepidoptera** *Tortricidae).* II. Fungi. 039718
Actia maksymovi Mesn. (Tachinidae, Diptera), new for the fauna of Poland parasite of larch **moths** *(Tortricidae,* Lepidoptera) [Tmetocera lariciana, Ptycholoma aeriferana,. 039407
Diapause experiments with Grapholita delineana Walk. (=sinana Feld., Lepidoptera, *Tortricidae)* **populations** in Hungary [Pest of hemp]. 039249

TORTRIX

Sexing large **aspen** *tortrix* pupae [Choristoneura conflictana, Populus tremuloides]. 039409
Environmental regulation of the population size of the oak leaf roller **moth** *(Tortrix* viridana L.) in the Niepolomice Forest. 039384
The green oak leafroller moth *[Tortrix* **viridana]** and its entomophages in Ivano-Frankovskii Region [Natural control]. 039395

TORTULA

Considerations on the area of distribution and ecology of *Tortula* **desertorum** Broth. in Spain. 035935
Scanning electron microscopy of the backs of *Tortula* **desertorum** Broth. leaves coming from different localities in Spain. 036259
Plant desiccation [of the drought-tolerant **mass** *Tortula* ruralis]: polysome loss not due to ribonuclease. 037260

TORULA

Dematiaceous Hyphomycetes [Fungi] from India. II. *[Torula* **caligans,** Pithomyces chartarum, soils]. 036026
Tolerance of alkaline protease of the **fungus** *Torula* thermophila strain UzPT-1 to heating and Ca2+ [calcium] ions. 037233
Torula **thermophila** [yeast] strain UzPT-1, thermophilous producer of proteolytic enzymes. 037234

TORULOPSIS

Effect of substrates on acetoin production by *Torulopsis* **colliculosa** [Yeasts] and Enterobacter [Bacteria] species. 036777

TOUCH

Central nervous structures participating in the simple recognition of *touch* **[Dogs].** 033705

TOURISM

The residences of **farm** *tourists* [Tourism]. 031153
Resident and *tourist* **perceptions** of the Ozark Folk Center [Land use]. 031235
Solute *travel-time* estimates for tile-drained fields. I. Theory. 040774
Solute *travel-time* estimates for tile-drained fields. II. Application to experimental studies. 040775
The residences of farm **tourists** *[Tourism].* 031153

TOWERS

Femur zinc, magnesium, and calcium in rats **fed** *Tower* rapeseed (Brassica napus) protein concentrate. 032410

TOXAPHENE

Long range transport of *toxaphene* **insecticide** in the atmosphere of the western North Atlantic [Pollution]. 041617

TOXEMIA

Clearance of endogenous creatinine and urea in pregnant women with **late** *toxemia* kept on a diet containing different amounts of protein. 032481

TOXICITY

N'-(4-chloro-o-tolyl)-N-methylformamidine (demethylchlordimeform) metabolism in the rat [Residues, formamidine **acaricide-insecticide,** *toxicity].* 039565
Toxicity of antibiotics in animals under suboptimal conditions. III. *Toxicity* of **animals** affected by experimental thyrotoxicosis [Rats]. 035394
Biochemical nature of **boron** *toxicity* in groundnut. 039000
Selenium levels in fodders and its relationship with Degnala disease [Cattle, **buffaloes,** *toxicity].* 035417
Metallothionein and the *toxicity* of **cadmium.** 035407
Toxicity of the **cardiotoxic** protein, flammutoxin, isolted from the edible mushroom Flammulina velutipes. 037870
Monoacetoxyscirpenol, a new mycotoxin produced by Fusarium roseum Gibbosum [Feed, contamination, *toxicity,* **cattle].** 033550
The **chronic** *toxicity* of organochlorine pesticides in man. 039546
[Human] iodine **deficiency** and *toxicity.* 032331
Resistance of algae to **dichlorophen** *toxicity.* 039002
Rubratoxin B [as contaminants of animal feeds, **dogs,** *toxicity].* 035416
Toxic and **dystrophic** manifestations in rats on a diet with high salted-lard content. A comparison of the composition of fresh and salted lard and the means of curing. 032392
A study of *toxic* **effect** of the strains of Aspergillus flavus fungi metabolites, isolted from Soviet-grown cereals. 032146
Examination of the *toxic* **effect** of Fusarium fungi of maize. 038561
Toxic **effects** of o,p'-DDD in the normal dog. 035421
Studies on Dieffenbachia picta Schott: *toxic* **effects** in guinea pigs. 035446
Toxic **effects** of copper on turnip moth (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on fertility of imagos. 039318
Endogenous *toxic* factors in oil seed residues. 033520
Liver microsomal system and mycotoxin metabolism **[Food** *toxicity].* 032113
Petroleum **hydrocarbon** *toxicity* studies. VI. Animal and human responses to vapors of "60 solvent". 035442
Petroleum **hydrocarbon** *toxicity* studies. VII. Animal and human response to vapors of "70 solvent". 035443
Petroleum **hydrocarbon** *toxicity* studies. VIII. Animal and human response to vapors of "140 degrees flash aliphatic solvent". 035444
Strategies in the design of selective **insect** *toxicants* [Pests, control]. 039226
Intraaxonal and extraaxonal transport of 125I-[iodine **isotope]-tetanus** *toxin* in early local tetanus [Cats]. 035167
Nature of specific susceptibility to Alternaria kikuchiana in Nijisseiki cultivar among Japanese pears. IV. Target tissues of Alternaria **kikuchiana** *toxin* and their characteristic responses. 038733
Herbicides and fauna. III. Effects of herbicides on the embryonal and post embryonal development of Bufo vulgaris L. and enzymatic modifications in the **larvae** *[Toxicity].* 039525
Acetyllasiocarpine, an alkaloid from Heliotropium europaeum[formed by mild acetylation of **lasiocarpine,** *toxicity].* 039101
The partial purification of Clostridium perfringens beta *toxin* **[Livestock].** 035177
Long-term *toxicity* study of mycophenolic acid in rabbits. 035440
Metabolism of O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticide for control of Heliothis] by white rats **[Mammalian** *toxicity* tests]. 039564
Psoralens in foods [Man, *toxicity,* **melanogenesis].** 032052
The protective effect of vitamin E and selenium against methyl **mercury** *toxicity* in the Japanese quail. 034457
In vitro production of *toxic* **metabolite** by different species of Colletotrichum. 038656
Effect of different carbon sources on growth, sporulation and production of *toxic* **metabolite** in culture of Sphaceloma curcumae [Curcuma longa]. 038682
Response of femoral and vertebral colony-forming units to 226Ra [radium isotope] internal contamination in **mice** *[Toxicity].* 035434
Mercury and mink. I. The use of mercury contaminated fish as a food for ranch **mink** *[Toxicity].* 035399
Toxicity of some **organophosphates** and carbamates against Epilachna vigintioctopunctata F. [Eggplants, potatoes]. 039320
The persistence and *toxicity* of **pesticides** in relation to enzymic activity [in vertebrates and insects]. 039584
Some *toxic,* **physical** and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827) [Ticks, cattle, sheep]. 039496
Determination of the *toxicity* and **phytotoxin** of some cover crops [Indigofera, Paspalum notatum] inhibiting the growth of banana. 039136
Standardized test method using protozoa for measuring water **pollutant** *toxicity.* 041647
Characterization of proteins and allergens in germinating castor seeds by immunochemical techniques [to study its **potential** *toxicity* as feed]. 033549
Preliminary studies on the variability among Sclerotium cepivorum Berk. isolates in their *toxin(s)* **production** and pathogenicity [to onions]. 038560
Influence of *toxic* **products** of Fusarium graminearum and Fusarium moniliforme on maize seed germination and embryo growth. 038791
Bone and bone marrow spaces in dosimetry of beagle skeletons [Dogs, **radiation** *toxicity].* 035410

Fusariotoxicosis [Fusarium] from barley in British Columbia. II. Analysis and *toxicity* of **suspected** barley. 035397
The pathology of subacute methylmercurialism in **swine** *[Toxicosis].* 035403
Evaluation of the sanitary harmlessness of the wood-impregnation substance Pentor 70 **[Swine,** *toxicity].* 035452
Isolation of Gonyaulax **tamarensis** *toxins* from soft shell clams (Mya arenaria) and a thin-layer chromatographic-fluorometric method for their detection. 032068
Metabolic fate of O-ethyl O[4-(methylthio)phenyl-14C] Spropyl phosphorodithioate (BAY NTN 9306) [an experimental organophosphorus insecticides for control of Heliothis]in a lactating cow *[Toxicity* **tests].** 039562
Intestinal resorption of the **tetanic** *antitoxin* in the newborn calf. 034988
Toxicity **threshold** of soil salts for some varieties of apples. 038960
Studies on tea. I. Contents of mercury, lead, and cadmium in tea leaves and tea decoctions *[Toxic* **trace** elements]. 032157
The efficacy of protein supplementation in overcoming **urea** *toxicity* in sheep. 035395
Toxicity of **Vibrio** parahaemolyticus [Food poisoning]. 032116
Observations on the oral administration and *toxicity* of **vinyl** chloride in rats [Nutrition and food research]. 032012
Toxicity to **white** mice of corn naturally contaminated with aflatoxin. 035419

TOXICOLOGY

Molybdenum—a *toxicological* **appraisal** [Man and animals]. 031988
Ecological *toxicology* research. Effects of heavy metal and organohalogen compounds, proceedings of a NATO science committee conference. 041512
State and the art of the *toxicological* **evaluation** carried out by the Joint FAO/WHO [Food and Agriculture Organization/World Health Organization] Expert Committee on pesticide residues. I. Organohalogenated pesticides used in public health and agriculture. 039592
Ecotoxicology—a new branch of *toxicology:* a **general** survey of its aims methods, and prospects [Pollution]. 041513
The pharmacology and *toxicology* of the **Papaveraceae** alkaloids. 036757

TOXIGENICITY

Toxigenic **power** of Aspergillus flavus producing aflatoxin [Food contamination]. 031941

TOXOPLASMA

The incidence of *toxoplasma* **antibodies** among sheep, cattle and pigs slaughtered in a Belgian slaughter-house. 034993
Preventive effect of a mixture of sulfamonomethoxine and pyrimethamine on swine against experimental infection with *Toxoplasma* **oocysts.** 035121

TRACE

Absorption and incorporation of *tracer-labelled* **amino** acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon l4 [isotope]-leucine and tritiated glycine. 034302
Absorption and incorporation of *tracer-labelled* **amino** acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of radioactive tracers into tissue proteins after intragastric administration of carbon l4 [isotope]-leucine and. 034303
Na+ and Cl- [sodium and chlorine ions] transepithelial routes in rabbit gallbladder. *Tracer* **analysis** of the transports. 034131
Trace **constituents** in molasses [Heavy metal contaminants and organochlorine pesticide residues]. 031961
[Nutritional] *trace* **element** review. 032332
A new hydrolysis procedure for preparation of orange juice for *trace* **element** analysis by atomic absorption spectrometry. 033410
Trace **elements** content in chicken meat. 032501
Use of differential pulse anodic stripping for *trace* **elements** in sugar products. 033188
Renewed interest concerning the need for lime, phosphorus, and some *trace* **elements** in cattle [nutrition]. 034328
Effect of magnesium concentration in the culture liquid on the yeast [Candida guilliermondii] consumption of *trace* **elements.** 037214
Trace **elements** and the soybean yield. 041136
A method of *tracing* **fungi** inoculated into the stems of living maple [Acer saccharum, Coniochaeta velutina]. 038578
The use of natural Pb-210 [lead isotope] as a heavy **metal** *tracer* in the river-estuarine system. 041216
A carbon rod atomizer for analysis of *trace* **metals** in water [Quality]. 041289
Mineral *trace* elements and related deficiencies; a summarizng review and report on experimentation. 034281
Effects of *trace* **minerals** on biological mechanisms. 032236
Influence of *trace* **pheromones** of Trissolcus grandis (Hymenoptera, Scerionidae) on the searching behaviour of females. 039971
Analysis of *trace* **quantities** of oil [pollution] in water by gas chromatography. 041563
Absorption and incorporation of tracer-labelled amino acids in rats fed varying protein sources. 3. Uptake of radioactivity into blood plasma, liver and muscular tissue and incorporation of **radioactive** *tracers* into tissue proteins after intragastric administration of carbon l4 [isotope]-leucine and. 034303
Use of silver and zinc to *trace* **sewage** sludge dispersal in coastal waters. 041476
The use of a specific ion electrode for determination of bromide in soils *[Tracer* **studies** of the movement and distribution of nitrogen fertilizers]. 041047
Studies on tea. I. Contents of mercury, lead, and cadmium in tea leaves and tea decoctions **[Toxic** *trace* elements]. 032157

TRACHEAL

The effect of 2, 4-dinitrophenol on the growth of Bordetella pertussis in **chick** *tracheal* organ culture. 035139
Effects of dry air and subsequent humidification on *tracheal* **mucous** velocity in dogs. 034013

TRACHEIDS

Studies on the branch wood of sugi (Cryptomeria japonica D. Don). I. On the variation of *tracheid* **length** in the branches of 36 years old sugi. 035705

TRACKING

A survey of *tracks* and **paths** in a sand dune ecosystem. II. Vegetation. 036216
A survey of *tracks* and **paths** in a sand dune ecosystem. I. Soils. 040667
Water management—are we on the **right** *track?* 041336

TRACT

Distribution of Fusobacterium necrophorum in bovine **alimentary** *tracts.* 035015
Studies on the efficacy of micro-nutrient application for sugarcane in the **Cuddalore** *tract.* 040985
Passage of the intravenously administered 15N [nitrogen isotope] urea into the **digestive** *tract* and its excretion in thesheep. 033722
Rate of passage of chromic oxide and polyethylene glycol and digestibility in the **digestive** *tract* of pigs. 034424
Partial replacement of protein with carbamide in feeding rations and its effect on the concentration of free amino acids in the **digestive** *tract* of cattle. 034493
Appraisal of the usefulness of modified statistical methods of taxation for needs of forest survey using an example of a selected **forest** *tract.* 035592
Studies on the accuracy of contour map of a **forest** *tract* obtained from a magnification of medium-scale topographic map. 035593
The evaluation of the dynamics of seasonal increment of Larix dahurica in a **forest** *tract* Ary-Mas (Taimyr Peninsula, 72 degrees 30' northern latitude). 037899
Radiographic evaluation of **gastrointestinal** *tract* in buffaloes calves by barium meal study. 033981
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the **gastro-intestinal** *tract* after intragastric administration of carbon l4 [isotope]-leucine and tritiated glycine. 034302
Uteroglobin-like antigen in the male **genital** *tract* secretions [Rabbits]. 033861
54Mn [manganese isotope] uptake by the ovaries and **reproductive** *tract* of cycling and anestrous ewes. 033853
On the dynamic activity of the MAZ-509 logging truck on *tract* **surface** of ferroconcrete slabs [Forest roads]. 035813

TRACTORS

Static test of safety boxes and protective framings on **agricultural** *tractors.* 040410
Analysis of the Diesel motor noise of *tractors* in a **brake** room. 040407
[Tractor] **cabin** covering. 040511
Green revolution with or without *tractors:* the **case** of Sri Lanka. 040400
The KI-4935 tool for the technical **diagnosis** of *tractors.* 040483
Untimely presence of wear and tear on *tractor* **driver** seats. 040538
1974 turned out to be a good year for *tractor* **imports.** 040503
Intervals of oil renewal and filter cleaning when using rotamol MD 302 in the engine JaMZ 238 **NB** of the K-700 *tractor.* 040427
Utilization possibility for **offered** *tractor* technique. 040510
The influence of driving methods on the stresses to which *tractor* **parts** are subjected. 040438
Level of *tractor* **power** utilization on different operations [Farm mechanization]. 040401
Trends in the use of *tractor* **power** for sugarcane production in Puerto Rico [Equipment]. 040488
On the problem of selecting a calculation system for a bundle of logs in studying the vertical vibrations of **skidder** *tractors.* 035815
Better deal for *tractor* **tyres.** 040485
How to estimate the maximum load of the logging **wheel-type** *tractor.* 035792

TRADE

The rise and fall of **agricltural** *trades* unionism in England. 031307
Agricultural *trade* unionism in Oxfordshire. 031305
World monetary conditions in relation to **agricultural** *trade* [Statistics]. 031739
Impacts of **agricultural** *trade* on food and fiber section of the U.s. economy. 032528
Trade **contracts** as indispensable instruments of management in the planned cooperation of cooperative associations. 031343
Record crops lift world rice supply, **depress** *trade.* 031609
The paper sector in the European Economic Community and the European Free Trade Association. I. Pulps for paper *[Trade* and **economic** aspects, Europe, United States,. 035720
Attainment of coordination without suppression of free initiative [Marketing, *trade,* **Europe].** 031528
Austria's 1974 **export** *trade* in meat. 031587
Export *trade* in meat and meat products within the OECD [Organization for Economic Cooperation and Development] area. 031588
The German Federal Republic's 1974 **export** *trade* in live animals. 031590
Morocco seeks larger **export** *trade* in textiles. 031607
Role of cooling chain in **food** *trade.* 031626
The status of world **food** *trade.* 032538
Meat exportation **[Foreign** *trade,* Argentina]. 031546
Foreign *trade* in fruit in 1974. 031653
Foreign *trade* with vegetables in 1974. 031654
Fruit and vegetable products in **foreign** *trade* in the first semester of 1975. 031655
Potatoes and potato products in **foreign** *trade.* 031681
Development of production, **foreign** *trade* and consumption of chemical fertilizers. Situation in the world, the European Economic Community and Belgium. 041071
The paper sector in the European Economic Community and the European **Free** *Trade* Association. I. Pulps for paper [Trade and economic aspects, Europe, United States,. 035720
Business stipulations for *trade* with **fruit** and vegetables [Quality control]. 032046
Some conservation schemes of the Hudson's Bay Company, 1821-50: an examination of the problems of resource management in the **fur** *trade* [Beaver and other fur-bearers]. 041612
Ocean shipping highlights in **grain** *trade* [Statistics]. 031583
The Cultural Planning Committee of the carnation [Dianthus caryophyllus] **growers** *trade.* 038272
Potential application of program planning in the **horticultural** *trade.* 031552
The EEC [European Economic Community] generalised system of preferences; with special reference to Latin America **[International** *trade* relations]. 031572
International *trade* [of farm products] and agricultural education. 031677
Only a modest portion of world milk production is sold in **international** *trade.* 031689
Rebound in world **meat** *trade* seen for 1976. 031608
Improving cooperation with the *trade* **[Meat** marketing, consumer preferences]. 031686
Current problems of *trade* **policy** and raw material economy [in sugar industry]. 031939
Commodity markets. 2. Localities and futures [London, agricultural products, *trade,* **prices].** 031554
Problems and prospects of sugar industry [Production, *trade,* **prices].** 031662
Canned fruit: world production and *trade* **statistics.** 031759
World cereal supplies and *trade* and **usage** for animal feeds. 031647
1975 meat production down 3 percent, **world** *trade* continues restricted [Statistics]. 031596
World *trade* in eggs and poultry, 1973 and 1974 [Statistics]. 031597
World *trading* in honey. 031646

TRADESCANTIA

Water movement into and through *Tradescantia* **virginiana** (L.) leaves. I. Uptake during conditions of dynamic equilibrium. 037043

TRAILER

Trailer for **cattle**—gooseneck type. 040509
On improving the methodology of determining parameters of vertical vibration of **logging** *trailer-trains.* 035811
Cleaning and sanitizing **meat** *trailers* [Control of microbialcontamination in transport]. 032059

TRAINING

In spite of transport rate increases, the *train* is **convenient** for the transportation of agricultural products. 031532
Extension *training* [for women]. 031081
Training **farm** women for effective decision-making. 031312
Intensification of education and **further** *training* [East Germany]. 031102
Investigations on the effect of *training* on the **grape** structure of variety Veltliner Fruhrot. 038410
The food service **industry** *training-* certification program [Regulation]. 032127
On improving the methodology of determining parameters of vertical vibration of **logging** *trailer-trains.* 035811
Training **low-acid** food processors. 032901
Determining the *training* **needs** of managers. 032581
Comparative study of U-shaped top and **palmate** *trained* treesof the Dixie Gem peach variety. 038355
Problems on curriculum development in extension **personnel** *training.* 031095
Study of frost resistance and regenerative ability of certain white wine varieties of grapes grown with *high-training* in the **Pleven** District. 037726
Training as a **portion** of the transfer of [food] technology. 032837
Training for **scientific** agriculture. 031084

Training of **specialist** electricians [for agriculture]. 040332
Student *trainees* in SCS [Soil Conservation Service]. 041204
Training of **Tahi** forestry graduates in Finland. 035618
Training of **vines** on parental stocks of intensive-type scion grapevines. 038476
Education and *training* in **weed** science in Europe. 039190
Training, **yield** and wine quality [Viticulture]. 038521

TRAMETES

From *Trametes* **quercina** to Formes fomentarius [Fungi, dissemination]. 036045

TRANSAMINASES

Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, *transaminase]* a. 034318

TRANSDUCERS

The determination of the utmost permissable densities of electric current in wines when using **conductometric** *transducers*. 033476

TRANSECTION

Notes on the methods of **belt** *transect* census of butterflies. 040106

TRANSFER

The influence of chlorocholine chloride on the photosynthetic activity and the *transfer* of **assimilates** to the rye roots. 037506
Incorporation of cytokinin N6-benzyladenine into tobacco **callus** *transfer* ribonucleic acid and ribosomal ribonucleic acid preparations. 037813
Capital *transfer* tax: minimising the effects [Agricultural properties]. 031446
The loss of the ability for the *transfer* of **cryptobiosis** (anabiosis) in poikiloxerophyte moss Funaria hygrometrica. 036917
Carbon **dioxide** *transfer* and photochemical activities as factors of photosynthesis during ontogenesis of primary bean leaves. 037742
A method for the in vitro study of **drug** *transfer* across ruminal epithelium. 034083
Economics of *transfer*. 031843
Continuous infusion of follicle stimulating hormone for follicular growth in **embryo** *transfer* heifers. 034722
The use of Rompun for surgical **embryo** *transfer* procedures in cattle [Sedatives]. 034738
Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet **energy** *transfer* and other optical studies on the structure of trypsin and chymotrypsin complexes. 037773
Training as a portion of the *transfer* of **[food]** technology. 032837
Heat *transfer* and freezing capacity of foodstuffs in household freezers. 032744
Heat *transfer* coefficients in plate freezing: the effect of packaging materials [Foods]. 032745
Heat *transfer* through layers of agricultural products of near spherical shape. 032746
Heat *transfer* with regard to thawing and heating of frozen prepared foods. 032747
Investigations on **heat** *transfer* of model substances with regard to thawing and heating of frozen foods. 032748
Research on **heat-mass** *transfer* in processes occurring at phase transformation under vacuum [Food technology]. 032754
Attempts to *transfer* **immunity** to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum [Pekin ducklings]. 035217
A network for technological **information** *transfer* in developing countries. 031840
Small-angle X-ray scattering study of the interaction between **lysine** *transfer* RNA ligase from yeast [Saccharomyces cerevisiae] and transfer RNA. 037057
A useful equation for calculating heat and **mass** *transfer* processes with varying surface temperature [Food technology]. 032736
Purification of **methionine-accepting** *transfer* ribonucleic acid from Scenesmus obliquus D3 [Algae]. 037310
Passive *transfer* of heterologous immunity in avian malaria [Chickens, Plasmodium relictum]. 035099
Structure of yeast **phenylalanine** *transfer* RNA at 2.5 A [angstrom] resolution. 037242
The kinetics of codon-anticodon interaction in yeast **phenylaline** *transfer* RNA. 037058
Ontogeny of **phloem** *transfer* cells in Hieracium floribundum. 036293
Selectivity in xylem to **phloem** *transfer* of amino acids in fruiting shoots of white lupin (Lupinus albus L.). 037530
Guinea **pig** *transfer* factor-like activity detected in vitro. 034147
The digestive transit in the rabbit. IV. Assay on the mathematical modelling of the *transfers* of **radioactive** marker between the different digestive compartments. 033752
Small-angle X-ray scattering study of the interaction between lysine transfer RNA ligase from yeast [Saccharomyces cerevisiae] and *transfer* **RNA**. 037057
Effects of combinations of different day-length conditions during the growth of flax plants (Linum usitatissium L.) on their growth and development. II. Effects of *transfer* from **short** day to natural long day. 037539
Systems analysis as a guide **technology** *transfer* [for evaluating agricultural development programs]. 031768
Planning **technology** *transfer* policies. 031845
Interaction of **tryptophan** *transfer* RNA with Rous sarcoma virus 35S RNA. 035165
Water-vapor *transfer* from fluttering [citrus] leaves within a plant canopy. Field observations and laboratory experiments. 037797

TRANSFERASES

Activity of **amino** *transferases* in the roots of wheat varieties of different productivity. 037421
The activity and localization of alanine- and **aspartate** *amino-transferases* in plants with C4[carbon]-photosynthesis [Maize, proso, rye]. 037395
Characterization of the mannosyl and **fucosyl** *transferases* in the ovine anterior pituitary glands. 033817

TRANSFERRIN

Correlation of phenotypic variation of milk production and genetic variations of *transferrin* and **hemoglobin** types in Simmenthal cows. 034601
Relationship of **serum** *transferrin* type to meat productivity of Japanese Black cattle. 034090
Isolation and practical characterization of **sheep** *transferrin*. 033871
Studies on relationship between *transferrin* **type** and production traits in Japanese beef cattle. III. On genetic distribution of transferrin type and hemoglobin type in Japanese beef cattle. 034591

TRANSFORMATION

The **biological** *transformation* of soluble humic substances in Tjeukemeer, the Netherlands: a preliminary report. 041286
Comparative *biotransformation* as a forecaster of the ecological consequences of selective insecticides. 039547
Data *transformations* in ecological ordination. II. On the meaning of [vegetation] data standardization. 036220
Transformation and **excretion** of drugs in biological systems. XI. Renal excretion mechanisms of sulfonamides in rabbits. 033862
Transformation **factor** from carbon dioxide net assimilation to dry weight in crops. II. Peanut. 037546
Transformation **factor** from carbon dioxide net assimilation to dry weight in crops. III. Rice. 037547
Effect of temperature on the expression of homoeotic mutations in Drosophila. I. **Homoeotic** *transformation* in proboscipedia mutants. 039759
Transformation of **meadow** and plant communities within the last few decades as an index of changes in natural and agricultural conditions [in Poland]. 036255
Differences in the rate of **mitotic** *transformation* of chromosomes in the endosperm of some monocotyledonous plants [Irispumila, Lilium davidii, onions]. 036364
Nonbiological degradation and *transformations* of **organic** pesticides in aqueous systems. 041471
Research on heat-mass transfer in processes occurring at **phase** *transformation* under vacuum [Food technology]. 032754
Transformation of **phosphorus** in organic matter decomposition studies with special reference to the immobilisation aspect. 040840
The connection between **photooxidative** *transformations* of organic acids in chloroplasts and the photosystem II [Peas]. 037684
Transformation of **sedimentary** humic acids, facts and speculations. 040636
Transformation **trends** of plant cover and peat sites in river valleys under the influence of human activity. 036256
The influence of cyclic 3'5'-adenosine monophosphate on the induction of **tumour** *transformation* of carrot tissue. 037875
Transformation of **ultrastructure** of grape leaves under the effect of infectious chlorosis virus. 038941

TRANSFUSION

A method for determining the survival rate of isogenic erythrocytes in the blood flow of cattle in **cases** of *transfusions*. 033880

TRANSLATION

Translation of **RNA** that contains polyadenylate from yeast [Saccharomyces cerevisiae] mitochondria in an Escherichia coli ribosomal system. 037243

TRANSLOCATION

The *translocation* of **assimilates** produced in different ograns of cereals crops at various stages of growth and development. 037509
Studies on the quality of citrus fruits. III. *Translocation* of 14C **[carbon** isotope]-labeled compounds from leaves to fruit in Satsuma mandarin oranges. 037757
Effects of leaf infections by Septoria nodorum Berk. On the *translocation* of 14C **[carbon** isotope]-labelled assimilates in spring wheat. 038570
A naturally occurring **chromosomal** *translocation* in Myzus persicae (Sulzer). 039833
Autosomal **chromosome** *translocation* of Piebald cattle and Brown cattle. 034612
The influence of parental age on the genetic quality of the progeny of mice. IV. The level of spontaneous and induced **chromosome** *translocations* in the male germ cells. 034622
Translocation of **foliar** applied radioactive [fungicide] nickel in wheat plants. 038718
Translocation of **iron** in acid sulfate soils. I. Soil morphology, and the chemistry and mineralogy of iron in a chronosequence of acid sulfate soils [from Thailand]. 040781
Translocation of **iron** in acid sulfate soils. II. Production and diffusion of dissolved ferrous iron [in Thailand]. 040782
Translocation and **metabolism** of [3H]gibberellins by light-grown Phaseolus coccineus [scarlet runner beans] seedlings. 037819
Photosynthesis, assimilation numbers, and **photosynthate** *translocation* in wheats of different stalk length. 037445
Systemic character of benzimidazolic fungicides *[Translocation* in **plants]**. 038730
35S [sulfur isotope] *translocation* and **reduction** in Sinapis arvensis L. depending upon the light regime. 036921
Robertson-type *translocations* (centric fusions) of autosomes in cattle (Bos taurus L.). 034604
The effect of concentration, exposure time and age of plant on uptake and *translocation* of **two** systemic fungicides in soybeans [Macrophomina phaseolina, charcoal rot]. 038774

TRANSMISSION

Some problems of leucosis genetics in cattle. I. *Transmission*, the **age** of a disease, the effect of the population size, purebredness and the level of milk yield on the rate of leucosis. 035315
Cat **bite** *transmission* of Yersinia pestis infection to man. 035125
Study of the *transmission* of **Botrytis** cinerea by sunflower (Helianthus annuus) seed. 038796
Etiology of almond [Prunus amygdalus] leaf scorch disease and *transmission* of the **causal** agent [a bacterium, Draeculacephala minerva]. 038869
Detection and location of seed-borne inoculum of Ascochyta rabiei and its *transmission* in **chickpea** (Cicer arietinum). 038788
Canine salmonellosis: a review and report of dog to **child** *transmission* of Salmonella enteritidis. 034975
Disease *transmission* by seeds [Ascochyta, Phoma betae]. 038790
An analysis of meat products as possible factors responsible for *transmission* of **dysenterial** affections of the toxinfectional type [Shigella sonnei]. 032147
The *transmission* and **effect** on yield of rye grass mosaic virus in a filtered air environment. 038880
Transmission of **fungus** grape diseases by willow twigs [Phomopsis viticola]. 038830
Course of *transmissible* **gastroenteritis** (TGE) of swine in a large piglet unit prior to and following the use of Riems TGE vaccine. 035151
Epizootiology of *transmissible* **gastroenteritis** of swine. 035153
Transmission by **green** leafhopper, Nephotettix cincticeps Uhler of a new dwarf [virus] disease in rice plants. 038887
Concerning the influence exercised by air contained in heating steam of temperature drop in processes of **heat** *transmission* [Sugar processing]. 033306
Hereditary *transmission* of certain traits and properties relative to reciprocal inter-varietal crosses of grapes. 036533
Aedes hendersoni: failure of laboratory-infected mosquitoes to *transmit* **LaCrosse** virus (California encephalitis group). 039473
Nerve-muscle *transmission* [Insects]. 039775
Polyamino acid induced aphid [Myzus persicae] *transmission* of **plant** viruses [Tobacco]. 038921
Transmission and **recombination** of extranuclear genes during sexual crosses in Aspergillus nidulans. 036594
The response characteristics of the tympanal organs of two species of bush cricket [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of **sound** *transmission*. 039832
Structural polarities in mechanosensitive sensilla and their influence on **stimulus** *transmission* (Arthropoda). 039950
Synaptic *transmission* in insects. 039773
Synaptic *transmission* in the central nervous system of insects. 039777
Pressure **wave** *transmission* through surge tanks. An experimental set-up to study the influence of valve closure time [Reservoir, water hammer]. 041316

TRANSPIRATION

Application of *antitranspirants* in **fruit** growing; preliminary optic and scanning microscopic reliefs. 037836
The effect of inorganic fertilizers on the intensity of *transpiration* in **hemp**. 037343
Peculiarities of diurnal and seasonal dynamics of *transpiration* **intensity** of meadow plants. 037375
Transpiration **intensity** of meadow plants [in the Leningrad province]. 037377
The *transpiration* **method** of measuring heat resistance of [vegetable] plants. 037868
Studies of [plant] transpiration in relation to the environment. 6. Simulation of *transpiration* **produced** by change in air-humidity. 037098
Transpiration **rate** and intercellular diffusive resistance in the tobacco leaf. 037372
A closed system for measurement of photosynthesis, photorespiration and *transpiration* **rates** [Plants]. 036828
Studies of [plant] *transpiration* in **relation** to the environment. 6. Simulation of transpiration produced by change in air-humidity. 037098

Transpiration in **seven** plant species colonizing a fishpond shore. 036830
The effect of waterlogging on the *transpiration* of some **tree** seedlings [Fraxinus excelsior]. 037912

TRANSPLANTS
Viability and *transplantability* of **developed** tumour cell treated in vitro with antitumour agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
From "mother cow" to "brood cow". Some impressions of a visit to the world's largest **embryo** *transplant* center [Breeding]. 034715
Embryo *transplants* from exotic breeds [of beef cattle]. 034725
Performance of *rice-transplanters* as **evaluated** by national test. 040490
Occurrence of pathogenic fungi on trees **incorrectly** *transplanted* at an older age. 038744
Annotated bibliography on *transplanting* **mature** trees, 1932-1975. 038449
Weed control and effect of four preemergence herbicides in *transplanted* **Shasta** daisy [Chrysanthemum maximum]; progress report. 039122
Transplanting **versus** direct-seeding of processing tomatoes for once-over harvest. 038267

TRANSPORTATION
Amino **acid** *transport* by the helicoidal colon of the new-born pig. 033785
Acropetal *transport* of exogenous beta-indolyacetic acid in potato sprouts. 037857
Interaction of H+ [hydrogen] ions with **active** *transport* of Na+ [sodium] and K+ [potassium] across rat submaxillary duct epithelium. 033938
Advanced *harvesting-transportation* complexes [for removing grain from the fields]. 031396
In spite of transport rate increases, the train is convenient for the *transportation* of **agricultural** products. 031532
Transporting **agricultural** personnel by means of the new product of integration Ikarus/IFA bus. 040445
17-beta-estradiol and *transportation* of **alpha-amino-isobutyric** acid in chicken's liver sections. 033884
Na+ and Cl- [sodium and chlorine ions] transepithelial routes in rabbit gallbladder. Tracer **analysis** of the *transports.* 034131
Kinetics of **auxin** *transport* in light and in dark grown Zea mays L. coleoptile segments. 037613
The fundamentals related to **beef** *transport* [Carcass chilling]. 033405
Comparison of the interrupted and direct methods of sugar **beet** *transports.* 033138
Effect of lime on **boron** *transport* to and uptake by cotton. 041038
[Economic of the] *transportation* of **bulk** milk. 031729
Transport of **calves** under industrial production conditions. 033675
Effects of ouabain on two types of active **cation** *transport* in the cat submandibular gland. 033936
The induction of *transport* **channels** by auxin [Kidney beans]. 037818
Intercellular transport in plants. I. The rate of *transport* of **chloride** and the electric resistance [Chara corallina, Algae]. 037041
Continual *transport* of pork halves in an ultra-quick chilling tunnel. 033115
Transport and **conversion** of sugars in nectaries in connection with the secretory function [Asclepias, pumpkins]. 037283
Rationalization of *transport* of **cucumber** harvested in greenhouses. 038316
Palletization or unitization in the *transportation* **cycle** [of fresh fruits and vegetables]. 033399
Mechanisms of action of neutrotransmitters and their analogues on salivary duct **electrolyte** *transport.* 033940
Effects of magnesium and chloride ions on light-induced **electron** *transport* in membrane fragments from a blue-green alga [Nostoc muscorum]. 036815
Photosynthetic **electron** *transport,* ATP [adenosine triphosphate] synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
Correlation between oxygen utilization and **electron** *transport* activity in marine phytoplankton [Algae]. 037093
Measurements of **electron** *transport* activities in marine phytoplankton [Algae]. 037095
Effects of aging on chlorophyll fluorescence and photosystem II **electron** *transport* in isolated chloroplasts [of spinach]. 037672
A realistic look at unitization for the produce industry [Fruits and vegetables, *transportation* **equipment**]. 031664
Intraaxonal and **extraaxonal** *transport* of 125I-[iodine isotope]-tetanus toxin in early local tetanus [Cats]. 035167
Calculation of the requirements in *transport* **facilities** for serving combines. 040546
Containers for storage and *transport* of **fruit** and vegetables [Research projects, Italy]. 031675
Kinetics of 3-O-methyl **glucose** *transport* in red blood cellsof newborn pigs. 034062
Evolution of meat products **handling** and *transportation.* 031666
Recent results and experience in *transport,* **handling** and storage of urea and other mineral fertilisers. 040915
The management of the *transportation* of **harvested** crops. 031400
The **heavy** *transporter* [Trucks]. 040465
Transport of **indoleacetic** acid-carbon 14 [isotope] under various conditions of potassium nutrition [Field beans, sunflowers]. 037434
Intercellular *transport* in plants. I. The rate of transport of chloride and the electric resistance [Chara corallina, Algae]. 037041
Participation of adenosine triphosphatases in the *transport* of **intermediate** products of photosynthesis between assimilating tissues of C-4 plants. 037430
Milk secretion in the rabbit: Changes during lactation and the mechanism of **ion** *transport.* 034075
The kinetics of Na [sodium] *transport* in the **isolated** perfused rat submaxillary main duct. 033945
Two mechanisms of the **light-dependent** *transport* of proton in chloroplasts of plants [Maize, peas]. 037402
Transport **limited** nutrient uptake rates in Ditylum brightwellii [Algae]. 037092
Regional distribution of construction of **log** *transport* roads in the Carpathians. 035586
Logging and **log** *transportation* in the peat swamp forests of Sarawak, Malaysia. 035832
Effectiveness of using R24-type rails [**Logging,** *transport].* 035796
Background of the lettuce industry [Production, **marketing,** *transportation].* 031665
Refrigeration & *transportation* [**Meat** and vegetable products]. 032843
The mechanism of auxin action on **membrane** *transport* of hydrogen ions [Maize]. 037589
Cleaning and sanitizing meat trailers [Control of **microbialcontamination** in *transport].* 032059
Photochemical air pollution: *transport* from the **New** York City area into Connecticut and Massachusetts. 041657
Planning and keeping records of *transportation* **operations** with grain. 031398
Induction of *transport* of **organic** anions in Malpighian tubules of Rhodnius. 039847
Changes in the composition of raw humus and the *transport* of **organic** matter as a result of urea fertilization. 040952
Specificity and regulation of **peptide** *transport* in Neurospora crassa [Fungi]. 036788
Determination of the number of vehicles to **perform** *transportation* tasks [of wood from forests to storage places]. 035869
Special features of Pi [phosphate] *transport* in **pig** heart and rat liver mitochondria as revealed by 6,6'-dithiodinicotinic acid (CPDS). 033823
New system for handling and supplying seed **potatoes** *[Transportation].* 031551
Inactivation by detergents to the **proline** *transport* system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. 033799
The cryptonephridial system in the mealworm Tenebrio molitor: *transport* of **radioactive** potassium, thallium and sodium; a functional and structural study. 039672
Who needs **rail** *transportation?* [Fresh fruits and vegetables]. 031673
27th annual International Conference on Handling Perishable Agricultural Commodities "a challenge to the **railroads**" *[Transportation].* 031674
The long **range** *transport* of sulphur dioxide [Air pollution]. 041491
Long **range** *transport* of toxaphene insecticide in the atmosphere of the western North Atlantic [Pollution]. 041617
In spite of *transport* **rate** increases, the train is convenient for the transportation of agricultural products. 031532
Retrograde *transport* of horseradish peroxidase in afferent and efferent neurons from masseter muscle in the rat. 034115
Sediment *transport* studies in the Delta-Mendota Canal and the California Aqueduct [Water supply]. 041384
Effects of luminal calcium on *transport* of Na [**sodium**] and K [potassium] by perfused main duct of rat submaxillary gland. 033935
Effect of monovalent cations on *transport* of **sugars** in tissues of sugarbeets. 037425
The integrated utilization of technical means for the *transportation* of the **sunflower** [seed] harvest. 031399
Transportation **system** in agriculture. 040484
Thiamine *transport* mutants of Saccharomyces cerevisiae [Yeasts]. 036823
Study of changes in tension of skylines of **timber** *transport* cable installations during operation. 035821
Transportation and **waste** disposal. 041595
An alternative model for isosmotic **water** *transport* [across low resistance epithelia]. 033931
The acinar ion and **water** *transport* processes in exocrine glands. 033943
Transport of **water** and heat in a frozen permeameter [Soils]. 040783
Transportation of **western** Iceberg lettuce, yesterday, today, and tomorrow. 031672
Railroad tank cars for *transport* of **wine** materials. 040533
Effect of water deficit on deuterium intake and *transport* in **winter** wheat. 037414

TRAPS
Modifications in the Malaise **insect** *trap.* 039946
Some **light** *trap* investigations in the assessment and forecasting of sugarcane borers. 039253
The significance of **light** *trap* results for field studies on Neuroptera. 039623
An appraisal of the technique of **pitfall** *trapping* for epigeic communities of carabids (Coleoptera, Carabidae) in several selected forest habitats. 039867
Excavated **sediment** *traps* prove superior to dammed ones. 040383
Defining the **sediment** *trapping* characteristics of a vegetative buffer. Special case: road erosion [Soil conservation]. 041176
A study on water **vapour** *trapping* during freeze-drying [Food]. 032735

TRASH *see* **WASTE**

TRAUMA
A case of *traumatic* **dermal** myiasis in Quebec caused by Phormia regina (Meigen) (Diptera: Caliphoridae). 039451
Four cases of *traumatic* **intestinal** injuries in dogs. 035420
Effect of *trauma* on **plasma** glucagon and insulin concentrations in sheep [Metabolism]. 033845

TRAVEL *see* **TOURISM**

TRAYS
Constructing a timber propagator [Cacti and succulents, **seed** *trays].* 040470

TREES
Forest thinning and *tree* **acreage.** 035662
The effect of *tree* **age** and time of day for collecting the flowers on the flower yield, content and composition of cassie (Acacia farnesiana) essential oils. 037692
Use of the "direct sowing" method for planting a grove of **almond** *trees* [Prunus amygdalus, costs]. 038242
Specificity of the hybrid offspring of **apple** *trees* and quince. 036657
Short-term studies of the uptake of nitrogen by young **apple** *trees* after soil application of ammonium nitrate. 037632
On the variability of the growth characters of woody plants in the nursery [**Apple** *trees].* 037643
Specificity of growth of mutant forms of **apple** *trees* in nurseries. 037853
Preliminary results of trials on regulation of yields in **apple** *trees* by 2-chloroethylphosphonic acid. 038265
Relative fruit-bearing of **apple** *tree* varieties. 038475
Perfect stage of Cytospora ambiens causing canker of **apple** *trees* in India. 038660
Secondary effects of the herbicides W 6658, Wonuk and Azaplant Kombi on **apple** *trees.* 039099
Study of Andrena carantonica behavior during blooming of Golden Delicious **apple** *trees* [Insects as pollinators]. 039624
Soil temperature, soil moisture and the productivity of young **apple** *trees* as influenced by bitumen mulch. 040940
Effect of doses of nitrogen fertilizers on yield and quality of **apple** *tree* seedlings. 041086
The effect of mineral fertilizers on **apple** *tree* yield. 041090
Super [phosphate] improves **apple** *tree* performance. 041119
Pulsed sprinkling of palmetto-type orchards [**Apple** *trees].* 041428
Dangerous reappearing of Calocoris trivialis Costa on *olive-trees* in **Apulia.** 039338
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and breast height cross-section area and the number of *trees* per **area** unit on the other. 035622
Variation in the fall rate of plant debris from *trees* in the **association** Vaccinio myrtilli-Pinetum typicum (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park. 037910
Trees in **botanic** garden. 3. The botanic gardens of the Birmingham Botanical and Horticultural Society [England]. 035909
Root systems of *trees* and **bushes** and their ecology in eastern Karakum. 037896
Food relations of weevils of the subfamily Apioninae (coleoptera, Curculionidae) with *trees* and **bushes.** 039214
Some new ideas in *tree* **care** [for decay control]. 039016
Christmas *tree* production in Iowa [Silviculture]. 035678
Directory of **Christmas** *tree* producers in Iowa. 035679
Thinning technique for densely planted **citrus** *trees* in orchard. 038400
Iron and manganese status of **citrus** *trees* grown in Egypt inrelation to location, variety, and plant organ. 040906
Studies on the morphology and dimensions of *tree* **crowns** in even-aged stand of sugi [Cryptomeria japonica]. I. Crown form. 035567
Technical and economical aspects of mechanical delimbing and **debarking** [of *trees].* 035698
A new possibility of permanently tying [fruit] *trees* in **dense** plantings. 038478
Diurnal fluctuation of CO2 [carbon dioxide] release from the stem bark of standing young Pinus **densiflora** *trees.* 037923
High **density** *"tree* walls" [in apple and peach orchards]. 038363
Tree **density** affects large-root distribution of 'Washington' navel orange trees. 038366
Mycoplasma-associated **diseases** of *trees.* 038917
Role of allelopathy as expressed by **dominating** *trees* in a lowland forest in controlling the productivity and pattern of herbaceous growth. 037888
Adequate planting and tending of [fruit] *trees* for **early** and high crop yields in new plantations. 038303
Preliminary studies on the role of trenches in isolating root effect of **forest** *trees* bordering agricultural crops [Landuse]. 031159
Results of simulating wildlife browsing by cutting shoots [of **forest** *trees].* 035481
Stability of *trees* in **forest** shelterbelts of the Askania-Nova Experimental Farm. 035509
Forest *tree* seed orchards in Sweden, 1975 [Pinus, Picea]. 035634
Directory of Iowa nurseries that deal in **forest** *tree* stock. 035680
Directions of **forest** *tree* selection and status of its accomplishment in State Forests. 035688

Effects of artificial shading on the growth of **forest** *trees.* I. Differences in growth of Cryptomeria japonica seedlings in shade during a growing season. 037924
The phenomenon of "depression" in hardwood, broadleaved forests [Physiological diseases, **forest** *trees].* 039031
Sex attractant curbs gypsy moth [Porthetria dispar, **forest** *trees].* 039375
Pollination of **fruit** *trees* [by bees]. 037637
Research on subtropical **fruit** *trees.* 038341
Weed control in a **fruit** *tree* nursery with herbicide-impregnated string. 039130
A cossid [Xyleutes punctifer] attacking citrus and other **fruit** *trees* [West Indies]. 039356
Resistance to acaricides of outdoor populations of the **fruit** *tree* spider mite Panonychus ulmi (Koch) on grapes. 039369
Fertilization of **fruit** *trees.* 041075
Nitrogen nutrition for **fruit** *trees.* II. Sour cherry (Prunus cerasus). 041108
The role of predatory mites [Typhlodromus occidentalis] in mite control on *tree* **fruits.** 039366
Pruning **fundamentals** *[Trees].* 038393
Tree **genera.** 3. Acer—of the maple. 038261
Trees and **grass** [Management]. 035548
The interaction of plants in plant communities during root feeding *[trees,* **grasses,** mineral nutrition]. 037003
Container **grown** *tree* seedlings [Ornamental Quercus]. 038452
Development and properties of streptomycin resistant cultures of Erwinia amylovora derived from English isolates [from pear, apple and **hawthorn** *trees].* 038864
Occurrence of pathogenic fungi on *trees* **incorrectly** transplanted at an older age. 038744
Estimating aspen [Populus tremuloides] volume and weight for **individual** *trees,* diameter classes, or entire stands. 035627
Tree **injection**—new application technique [Disease control]. 038975
Results of **landscape** *tree* testing. 038252
A comparison of two pruning methods on mature **lemon** *trees.* 038279
Nectar production of the **linden** *tree* [Tilia, honey plants]. 037146
Coptotermes in the heartwood of **living** *trees* in Central andWest Africa. 039401
The fruits, seeds and seedlings of **Malayan** *trees.* I-XI. 036060
Annotated bibliography on transplanting **mature** *trees,* 1932-1975. 038449
Effect of **mechanized** *tree* pruning on yield of mazzard cherries. 038469
[Seasonal] variation in the mineral contents of leaves of *trees* in **miombo** woodland [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. 037918
F1 hybrids of peach and almond [Prunus amygdalus] *trees* as **models** for both species. 036383
The sale of the **odd** *tree.* 035740
The **olive** *tree,* an ancient plant with new problems [Culture]. 038235
Wilt of the **olive** *tree* caused by Verticillium dahliae Kleb. 038731
Tree density affects large-root distribution of 'Washington' navel **orange** *trees.* 038366
Overwintering of Hassaku **oranges** on *trees.* 038398
GM [ground maintenance] guide to systemic pesticides [for protection of **ornamental** *trees].* 039544
Peach *tree* culture in Lerida. 038240
The **peach** *tree* [Prunus persica] and its culture. 038264
New fruit pests: the oriental fruit moth, Grapholitha (Laspeyresia) molesta Busch, on the **peach** *tree.* 039311
On dependence of fruit weight upon the number of seeds in **pear** *trees.* 036366
Half a century of *tree* **planting** [Windbreaks, erosion, Edward Flanagan]. 041200
Rooting of cuttings from tops and stumps of American elm [Ulmus americana to **produce** *trees* resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Insect-tree **relationships** in the urban environment [Diseases, pests]. 039352
Palaeotemperatures from *tree* **rings** and the D/H [deuterium/hydrogen] ratio of cellulose as a biochemical thermometer [Pinus radiata]. 035838
Stem and primary product weights for longleaf pine [Pinus palustris] **sawtimber** *trees.* 035626
The effect of waterlogging on the transpiration of some *tree* **seedlings** [Fraxinus excelsior]. 037912
Effects of propagation container size on top and root development of *tree* **seedlings** [Cultivation of horticultural plants]. 038454
On the problem of intereffects of *trees* and **shrubs.** 035483
Some virus diseases of *trees* and **shrubs.** 038888
Infestations by insects and mites of [forest] *trees* and **shrubs** in 1974. 039405
The leaf-eating microlepidoptera of [ornamental] *trees* and **shrubs** in the region of Leningrad [Taxonomy]. 040075
Winter hardiness of endemic and introduced [ornamental and fruit] *trees* in the **southern** Far East. 037856
The distribution of timber volume according to *tree* **species** and size groups in the year of 2000. 035544
Establishing an integrated pest control program for **street** *trees.* 039388
On the effect of *trees* on the **structure** of grass stand in grassy pine forests in the lower reaches of Angara. 036183
Productivity and management of mulga [Acacia aneura] in south-western Queensland in relation to *tree* **structure** and density [Grazing, sheep, cattle]. 037975
Tree **surveys**—objectives and methods. 038262
GM [Grounds Maintenance] guide to planting a *tree.* 3. 035651
Acclimatization of [ornamental] **tropical** *trees* for interior use [Ficus benjamina, Brassaia actinophylla]. 038358
Laboratory germination findings and testing method for Scheflera actinophylla **(umbrella** *tree).* 037796
An economic model for selection of [forest] *tree* **varieties** [Fagus, Picea abies]. 035641
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in *tree* and **vine** crops? [Stone fruits, grapes]. 039104
Propagating deciduous and evergreen shrubs, *trees,* and **vines** with stem cuttings. 035681
Anthracnose of **walnut** *trees* (Juglans regia L.) produced by Phyllosticta juglandis (D.c.) Sacc. 038785
Supply of **young** *trees* to the public [Forest nurseries]. 035629

TREFOIL

Registration of group B **birdsfoot** *trefoil* germplasm. 036450
Registration of group H **birdsfoot** *trefoil* germplasm. 036451
The variations in the content of cyanogenic glucosides in ontogenesis of **bird'sfoot** *trefoil* (Lotus corniculatus L.). 037510
Varietal and topographic variability of cyanogenic glucoside occurrence in **bird'sfoot** *trefoil* (Lotus corniculatus L.). 037511
Contribution to the explanation of the biogenesis of cyanogenic glucosides [in *trefoil* and **flax**]. 037501

TREHALOSE

Trehalose and **glucose** levels in the hemolymph of Heliothis virescens parasitized by Microplitis croceipes or Cardiochiles nigriceps. 039271
Kinetic and biological properties of *trehalose* **phosphate** synthase from Neurospora crassa [Fungi]. 037307
Metabolism of *trehalose* and **pullulan** during the growth cycle of Aureobasidium pullulans [Fungi]. 037308

TRELLIS

Microfibrils in primary and secondary wall growth **develop** *trellis* configurations [Wood cells]. 035716

TREMATODA

The influence of pesticides on the oxygen uptake by miracidia of Fasciola **hepatica** *(Trematoda)* [Liver fluke]. 039530
Attempts to transfer immunity to Trichobilharzia **ocellata** *(Trematoda:* Schistosomatidae) passively via lymphoid cells and/or serum [Pekin ducklings]. 035217

TREMOR

Congenital *tremor* of baby pigs—a current problem of large-scale swine husbandry. 035378

TRENCH

The experience of **constructing** *trenchless* closed drainage in the Golodnaya Step'. 041270
Continuous *trench* construction method and grouted anchorage for regulation of the Vecht River in Schuettorf [Flood control]. 041443
Preliminary studies on the role of *trenches* in **isolating** root effect of forest trees bordering agricultural crops [Landuse]. 031159
Nutritive value [for ruminants] of green cut maize ensiled by a *trench* **method.** 034285
Comparison of the digestibility and nutritive value of *trench* **silage** of Funk's G-Waxy 3 and Dekalb XL 316 maize varieties [tested on ruminants]. 034284

TREPONEMA

Research in pig dysentery attributed to the pathogene **organism** *Treponema* hyodysenteriae. 035193

TRIALEURODES

The control of the greenhouse white *[Trialeurodes* **vaporariorum**] on gherkins with insect growth regulators and insecticides. 039349

TRIAMCINOLONE

High-pressure liquid chromatographic analysis for *triamcinolone* **acetonide** in rice starch. 033263

TRIANEA *see* LIMNOBIUM

TRIAZINE

The effect of **atrazin** *(2-chloro-4-ethylamino-6-isopropyl-amino-S-triazine)* on the incorporation of 32P [phosphorus isotope] into the r-RNA and TB-RNA from Zea mays [maize] leaves and Sinapis alba cotyledons. 036920
Hydrolysis of a *chloro-s-triazine* **herbicide** [Degradation]. 039559
Detection of *triazine* **herbicides** and their degradation products in tile-drain water from fields under intensive corn (maize) production. 039558

TRIAZOLE

Metabolism of *3-amino-1,2,4-triazole* **[herbicides]** in rats. 039100

TRIBAL

A review of the weevils of the *tribe* **Cyphicerini** (Coleoptera, Curculionidae) in the USSR. 040066
Revision of the New World genera of the *tribe* **Omicrini** trib. Nov. of the hydrophilid subfamily Sphaeridiinae (Coleoptera). 040146
In **Rajasthan** *tribal* women play significant role [Agriculture]. 031309
Larval diagnosis of the *tribe* **Stenolophini** and notes on theclassification of the subfamily Harpalinae (Coleoptera, Carabidae) [New taxa]. 039979

TRIBOLIUM

The difference of pupa weight measurements in *Tribolium* **andits** effects on selection responses. 039656
Effect of the age of *Tribolium* **castaneum** Herbst (Coleoptera: Tenebrionidae) on the rate of egg laying and fecundity [Flour pests]. 039426
Changes of scale in the study of the evolution of the genetic variance through selection in *Tribolium* **castaneum.** 039614
Genetic analysis of a population of *Tribolium* **[castaneum].** V. Viability of the unsaturated fatty acid sensitive mutant. 039654
Acute lethality after fast-neutron and X-irradiation of *Tribolium* **confusum.** 039903
Extra-large *Tribolium* confusum: a new autosomal recessive mutant. 039653

TRIBULUS

Conditions for splitting protodioscine, the main glycoside from *Tribulus* **terrestris** L. by the enzymic preparation of Aspergillus niger BKMt-33 [Fungi]. 037210

TRIBUTYL

Reduction of the severity of Verticillium [albo-atrum] wiltof cotton by the growth retardant, *tributyl* **[(5-chloro-2-thienyl)methyl]** phosphonium chloride. 038772

TRICHINELLA

Reliability of the enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of *Trichinella* **spiralis** infections in conventionally raised pigs. 035118

TRICHLORFON

Effect of **experimental** *Neguvon* intoxication on iron, copperand 14 C [carbon isotope] glycine content in the blood of poultry. 035404
Physiopathological effect of *Neguvon* **intoxication** of poultry. 035405
Investigation of *neguvon* **resistance** in a laboratory-selected strain of Musca domestica L. 039919

TRICHLOROBENZOIC

Growth and yield of cultivated plants treated with herbicides. 3. Treatment **eith** *2,3,6-trichlorobenzoic* acid (TBA). 039183

TRICHOCEREUS

Trichocereus **fulvilanus** Ritter, some more [Succulents, varieties]. 038503

TRICHODECTIDAE

A review of the Geomydoecus texanus complex (Mallophaga: *Trichodectidae)* from **Geomys** and Pappogeomys (Rodentia: Geomyidae) [New taxa]. 040108
Host races of Cervicola meyeri (Taschenberg, 1882) (Mallophaga: *Trichodectidae)* **[New** taxa]. 039513

TRICHODERMA

Use of the method of "diffusion capsules" for studying the patterns of synthesis of some hydrolytic enzymes by microorganisms *[Trichoderma* **lignorum].** 037004
Derepression of cellulase synthesis in *Trichoderma* **lignorum[fungi]** during limited consumption of readily assimilated carbon sources. 037115
Enzymic saccharification of bagasse [by *Trichoderma* **viride,** fungi]. 033267
The characterization of 6-(pent-1-enyl)-alpha-pyrone from *Trichoderma* **viride** [and its biological activity towards the plant pathogenic fungus, Phytophthora cinnamomi]. 037180

TRICHODESMA

Phytophagous insects of the **weed** *Trichodesma* incanum (Bge.) D. C. in Uzbekistani. 039114

TRICHODORUS

A new species of the ectoparasitic nematode (the **genus** *Trichodorus* [yokooi] from coniferous [Abies nephrolepis and Picea ajanensis] forests of the Far East of the USSR. 039049
Fumigation with D-D or Telone on soils prone to Docking disorder. II. Effects on numbers of *Trichodorus* spp. and **Longidorus** spp. (Nematoda). 038954
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic **nematodes** *Trichodorus* and Longidorus]. I. Effects on yield of sugarbeet and subsequent barley crops. 038953

TRICHOGRAMMA

Use of *Trichogramma* and **Entobakterin** for [biological] control of the codling moth [Carpocapsa pomonella, pest of apples]. 039368

Host selection by insect parasitoids [Manduca sexta, Telenomus sphingis, *Trichogramma* **minutum,** tobacco pests]. 039203
Bacillus thuringiensis preparations harmless to the **parasite** *Trichogramma* cacoeciae (Hymenoptera, Trichogrammitidae) [Plant insect pests, biological control]. 039247

TRICHOMANES
Trichomanes **petersii** in Louisiana [Pteridophyta]. 035950

TRICHOMES
Structure, ontogeny, classification and organographic distribution of *trichomes* in some **Cucurbitaceae.** 036310
The *trichomes* of **Paulownia** of Taiwan. 036353

TRICHOPLUSIA
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect *[Trichoplusia* ni] **cell** line cultured in vitro. 039904
Structure of an insect virus *[Trichoplusia* ni, **Pseudoplusia** includens, Autographa californica, biological control]. 039217

TRICHOPTERA
On the ecology of **caddisflies** *(Trichoptera)* from mountain streams of southern Tien-Shan (The fauna of the Ak-Bura river). 039717
Fifteen new Mediterranean **caddisflies** *[Trichoptera].* 040116
Goera radissonica n. Sp., a **new** *Trichoptera* from the James Bay region. 040126

TRICHOPTERYGIDAE
Acrotrichis plantonoffi renkonen (Coleoptera, *Ptiliidae)* and **Caenoscelis** subdeplanata bris. (Coleoptera, Cryptophagidae) from the Birmingham area. 040012

TRICHOSPORON
Zinc consumption from the nutrient medium by the cultures of *Trichosporon* **capitatum** and Aspergillus niger [Fungi]. 037237
Effect of the chemical nature of the carbon source on the biomass composition [Candida tropicalis, Candida utilis, *Trichosporon* **cutaneum,** yeasts]. 037217

TRICHOTHECIUM
Activity of enzymes hydrolyzing nonstarch polysaccharides in enzyme preparation used in brewing [Barley, **fungus** *Trichothecium* roseum, Aspergillus oryzae). 033148

TRICHURIS
Genetic control of immune responses to parasites: selection for responsiveness and non-responsiveness to [the nematode] *Trichuris* **muris** in random-bred mice. 035180

TRIENE
Nematicidal polyacetylenes, 3Z,11E- and *3E,11E-trideca-1,3,11-triene-5,7,9-triyne* from **Carthamus** tinctorius L. 037293

TRIFOLIUM
The role of respiration in productivity of *Trifolium* **pratense** [red clover] grown in central regions of Komi ASSR. 037376

TRIGLYCERIDE
Ultrastructure of the milk fat globule **membrane** with and without *triglyceride.* 032952
Synthesis of a **mixed** *triglyceride* with two different fatty acids: symmetrical and asymmetrical palmitodiolene. 032908

TRIGONELLA
Annotated bibliography on **fenugreek** *(Trigonella* foenum-graecum), 1969-1975. 038446
Effect of fermentation on the sapogenine yield from seeds of *Trigonella* **foenum** graecum L. 037213
Effect of cholesterol on growth & production of diosgenin, gitogenin, tigogenin & sterols in suspension cultures *[Trigonella* **foenum-graecum].** 037452

TRILLIUM
Trilliums in **Hokkaido.** Cytogenetics of evolution and population of Japanese Trillium. A review. 036581
Chromosomal variations in **hybrid** *Trilliums.* 036573
Trilliums in Hokkaido. Cytogenetics of evolution and population of **Japanese** *Trillium.* A review. 036581

TRIMETHOPRIM
The virulence of *trimethoprim-resistant* **thymine-requiring** strains of Salmonella [typhimurium, chickens]. 035116

TRIPHENYL
Quinol phosphate as a metabolite of *triphenyl* **phosphate** [Musca domestica]. 039448
Comparative efficiency of *triphenyl* **tetrazolium** chloride reduction test for grading of milk. 032081

TRIPHOSPHATASE
Kinetic studies on rat liver and beef heart mitochondrial **adenosine** *triphosphatase:* the effects of the chromium complexes of adenosine triphosphate and adenosine diphosphate on the kinetic properties. 033763
A fluorescent probe study of the lipid mobility of membranes containing sodium- and potassium-dependent **adenosine** *triphosphatase* [Sheep kidney]. 034105
The invivo effects of phytohemagglutinins on ATPase **[adenosine** *triphosphatase]* and fumarase enzymes in the rat. 034197
The effect of ionic strength on the magnesium ion-activated **adenosine** *triphosphatase* of natural actomyosin from mammalian skeletal muscle [Swine]. 034210
Histochemical study of the hyphae and the distribution of **adenosine** *triphosphatase* in Dendryphiella salina [Fungi]. 037317
Participation of **adenosine** *triphosphatases* in the transport of intermediate products of photosynthesis between assimilating tissues of C-4 plants. 037430

TRIPHOSPHATE
Kinetic studies on rat liver and beef heart mitochondrial adenosine triphosphatase: the effects of the chromium complexes of **adenosine** *triphosphate* and adenosine diphosphate on the kinetic properties. 033763
Adenosine *triphosphate:* nicotinamide mononucleotide adenylyltransferase of pig liver. Purification and properties. 033784
Pig heart mitochondrial ATPase **[adenosine** *triphosphate]:* properties of purified and membrane-bound enzyme. Effects of flavonoids. 033821
Photosynthetic electron transport, ATP **[adenosine** *triphosphate]* synthesis and nitrogenase activity in isolated heterocysts of Anabaena cylindrica [Algae]. 036820
YATP **[adenosine** *triphosphate]* value in Candida tropicalis grown on n-alkanes, fatty acids, and acetate. 036834
Leghaemoglobin and the supply of O2 [oxigen] to nitrogen-fixing root nodule bacteroids [Rhizobium japonicum]: presence of two oxidase systems and ATP **[adenosine** *triphosphate]* production at low free O2 concentration. 037051
An evaluation of ATP **[adenosine** *triphosphate]* estimations of bacterial biomass in the presence of phytoplankton [Algae]. 037087
Effect of **cordycepin** *triphosphate* on the nuclear DNA-dependent RNA-polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. 036780
Fluctuations in deoxyribo- and **ribonucleoside** *triphosphate* pools during the mitotic cycle of Physarum polycephalum [Fungi]. 036816

TRIPLETS
Triplet **states** of chlorophyll and its predecessor in leaves and chloroplasts as detected according to the phosphorescence and delayed fluorescence at -196 degrees [Kidney beans, peas]. 037685

TRIPLEUROSPERMUM
Carpologic-anatomical data on systematics of Caucasian species of *Tripleurospermum* **Sch.** Bip. 035966

TRIPLOIDS
Chromosome pairing in *triploid* F1 and **hexaploid** F1, F2, and F3 generation of Gossypium hirsutum L. X Gossypium sturtianum Willis [Cotton]. 036424
Investigations on an experimentally **induced** *triploid* hybrid of Datura innoxia Mill. 036479
Use of *triploid* **males** for increasing hop yields. 036457
Meiosis and fertility of pollen in **rye** *triploids* obtained when cultivating embryos. 036705

TRIPSACUM
Comparative biochemical study of maize and its wild relatives (Enchlaena, *Tripsacum,* **Coix).** 037567

TRIS *see* **TROMETHAMINE**

TRISTANIA
Pointers in logging and sawmilling malabayabas [Dipterocarpus grandiflorus, *Tristania* **decorticata]** for railways ties. 035755

TRITERPENES
Studies on the Chinese crude drug "shoma". III. *Triterpene* **glycosides** from Cimicifuga japonica and structure of 25-anhydrocimigenol arabinoside. 037074
Investigation of Strychnos spp. III. Study of *triterpenes* and **sterols** of Strychnos potatorum seeds. 037193

TRITERPENOIDS
Triterpenoids and **anthraquinone** derivatives obtained from Picramnia de Sellowii (Simaroubaceae). 036835
The *triterpenoid* **constituents** of the leaves of Ficus nitidaL. Constituents of local plants. XXII. [Egypt]. 037135
Cork chemistry. XXIII. **Investigations** on *triterpenoids.* 035784
Triterpenoids, **wax,** alcohols & other constituents from Acacia senegal Willd. 036990

TRITICALE
Genetics and breeding of **42-chromosome** *triticale.* II. Relations between chromosomal variability and reproductive characters. 036429
Grain development and amylase activities in rye and *triticale* **compared** with wheat. 037486
Protein and amino acid compositions of dry-milled and air-classified fractions of *triticale* **grain.** 033209
Triticale as a **grazing** crop for yearling beef steers. 038022
World prospects of *triticale* **growing** (review) [Culture, varieties]. 038158
Registration of **Oklahoma** *triticale* composite 1 germplasm. 036453
Status and **potential** of *triticale.* 032675
Triticales in the **south** central zone of Chile [Yields]. 038153

TRITICINAE
Cytomixis in meiosis in some hybrid forms of the **subtribe** *Triticinae.* 036668

TRITICUM
Radiobiological studies in Triticum [wheat]. I. Response to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of *Triticum* and **Aegilops.** 037404
Chromosome constitution in cultured callus cells from four aneuploid lines of the homoeologous group 5 of *Triticum* **aestivum** [Wheat]. 036575
Hybrid dwarfness of wheat **Dika** *Triticum* persicum Vav. 036519
Influence of *Triticum* **timopheevi** Zhuk cytoplasm on certain biological and agronomic characters and qualities of winter soft wheat [Breeding]. 036475
Physiological peculiarities of winter soft wheat sterile analogues with *Triticum* **timopheevi** Zhuk cytoplasm. 036481
Tests of male fertility restoration in some common wheat **varieties** *(Triticum* aestivum L). 036382
Radiobiological studies in *Triticum* **[wheat].** II. Response to chronic and acute gamma irradiation of 25 ditelocentric lines of wheat cv. Chinese Spring. 036482
Induced polygenic mutations in **wheat** *(Triticum* aestivum L.). 036496
Phenotypic and genotypic variability in an exotic X Indian and Indian X Indian, intervarietal crosses of **wheat** *(Triticum* aestivum L.). 036606
Seed germination and early seedling growth of **wheat** *(Triticum* aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
Radiobiological studies in *Triticum* **[wheat].** I. Response to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of Triticum and Aegilops. 037404
Changes in abscisic acid levels in developing grains of **wheat** *(Triticum* aestivum L.). 037476
Contribution to the genetics of tolerance towards Septoria nodorum Berk. in **wheat** *(Triticum* aestivum). 038847
Effect of seed damage on growth and development in pea (Pisum sitivum L.) and **wheat** *(Triticum* aestivum L.). 038955

TRITIUM
Incorporation of (3H) *[tritium]-arachidonic* **acid** into cattle retina lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. 034101
Pattern of binding of *tritiated* **actinomycin** D to Phaseolus coccineus [scarlet runner beans] polytene chromosomes. II. the entire chromosome complement. 036492
Absorption and incorporation of tracer-labelled amino acids in rats fed with protein from various sources. 2. Uptake of radioactivity into tissues of the gastro-intestinal tract after intragastric administration of carbon 14 [isotope]-leucine and *tritiated* **glycine.** 034302
Tritiated-thymidine **induced** changes in cell population kinetics in root meristems of Pisum sativum [Peas]. 039054
Incorporation of *tritiated* **uridine** during pachytene and diplotene stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). 033894

TRITON
Significance of *triton-extractable* **membranes** for IAA [indoleacetic acid]—chromatin interactions [Peas]. 037887

TROGODERMA
Assessment of the quality loss in wheat damaged by *Trogoderma* **granarium** Everts during storage. VI. 039425
Natural enemies of *Trogoderma* **granarium** everts infesting wheat in the rural stores in the Punjab. 039427

TROMBICULIDAE
New species of chiggers (Acariformes, *Trombiculidae)* from **bats** in Iran. 040175
A new species of the *trombiculid* **mites,** Straelensia tauricasp. n., (Acarina, Leeuwenhoekiidae, Apoloniinae). 040134

TROMBIDIFORMES
Knowledge of the tydeids (Acarina, *Trombidiformes)* from **apple** orchards [Lorryia palsetosa, new taxa]. 040167

TROMETHAMINE
The effects of **high** *tris,* low glycerol and low tris, high glycerol on frozen ram spermatozoa. 034799

Ethylene-releasing compounds to loosen olive fruits for mechanical harvesting [Ethephon, *2-chloro-ethyl-tris-(2-methoxyethoxy)silane* **tested** in Italy]. 038362

TROPANE

Tropane **alkaloids** [Plants]. 036751

TROPHIC

The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. *Trophic* **relationship** to vegetation [Pollination]. 039698

Some peculiarities of the *trophic* **relationship** between wireworms Prosternon tessellatum (Coleoptera, Elateridae) and the fox-coloured sawfly Neodiprion sertifer. 039976

TROPHOBLAST

Freeze-fracture morphology of gap junctions in the *trophoblast* of the **mouse** embryo. 034086

TROPHOCYTES

Nuclear structures in the ovarioles of the moth Laspeyresiapomonella sex **chromatin** in *trophocytes*. 039931

The ultrastructure of *trophocyte* **nuclei** in the polytrophic ovarioles of Chrysopa (Neuroptera). 039945

TROPICAL

On the genus Aphelochirus (Heteroptera, Naucoridae) of *tropical* **Africa** [New taxa]. 040133

The role of fertilisers in overall economic development and obstacles hindering the increase of fertiliser use in *tropical* **Africa.** 040976

Recent works carried out by the Institute of *Tropical* **Agronomic** Research and Food Crops in the area of potassium fertilization of tropical soils. 040967

Cutaneous heat exchanges of piglets reared in a *tropical* **climate.** I. Influence of climatic conditions and influence of the breed. 033748

Brief notes on the cytology of *neotropical* **Coleoptera.** I. Colaspis tricolor Perty (Chrysomelidae: Eumolpinae: Colaspini). 040087

Sheep and goats for meat production under *tropical* **conditions.** 033678

Physical working capacity in a *tropical* **country** [Agricultural laborers]. 031377

Effect of Aspergillus flavus on the germinating seeds of some *tropical* **crop** plants. 038681

Potassium uptake rates in *tropical* **crops** [Oilpalms]. 036980

Influence of special ecological conditions on growth, metabolism, and potassium nutrition of *tropical* **crops** (as exemplified by the case of rice). 037450

Growth and development of soybean cv. TK5 as affected by *tropical* **daylenghts,** day/night temperatures and nitrogen nutrition. 037345

Irrigation requirements of maize in a *tropical* **environment.** 041217

Studies on smoke curing of *tropical* **fishes.** 032798

A study of grasshopper species composition in primary and secondary growth [of *tropical* **forests**] in Costa Rica. 039706

Studies on idiocerinae leafhoppers. XI. The *neotropical* **genus** Chunroides Evans. 040031

Factors affecting feeding value of pangola grass (Digitariadecumbens, Stent) in a **humid** *tropical* climate [Goats]. 034291

The change of **humid** *tropical* crusts of weathering in the process of soil formation under conditions of moderate arid climate. 040575

Potassium cycle in the **humid** *tropical* forest. 040645

Balance and dynamics of potassium under forage crops in **humid** *tropical* areas. 040954

Oscillations of *tropical* **insect** populations. 039888

On the soils of arid and humid zones of the *tropical* **island** of Sri Lanka. 040613

Brachycylix, a new genus of *tropical* **Leguminosae** (Caesalpinioideae). 036119

Geographical patterns of evolution in *neotropical* **Lepidoptera.** Systematics and derivation of known and new Heliconiini (Nymphalidae: Nymphalinae). 040091

Terrain classification for *tropical* **logging:** application to the case of Gabon. 035528

Absorption of amino acids in *tropical* **malabsorption.** 032260

34th contribution to the knowledge of *Neotropical* **Malachiidae** (Coleoptera) [Lemphus, new taxa]. 040117

Studies on the availability to plants of soil nitrogen in **Malaysian** *tropical* oligotrophic peat. I. Effect of liming andpH [hydrogen-ion concentration]. 041109

Studies on the availability to plants of soil nitrogen in **malaysian** *tropical* oligotrophic peat. II. Effects of N, P, K [nitrogen, phosphorus, potassium] and micronutrients. 041110

Note on the conversion plantations in **moist** *tropical* forests. 035527

Interactions between nitrogen and potassium in the nutrition of *tropical* **oil** plants. 036979

A note on supplies of seed of *tropical* **pines** [Pinus]. 035653

The influence of nutrition on the chemical properties of some *tropical* **plantation** crop products [Hevea, oilpalm, cocoa, fertilization]. 040974

Influence of the level of potassium nutrition on the physiological functions of *tropical* **plants** and the quality of their products [Bananas, pineapples, cotton]. 036978

No interventions in the *tropical* **rain** forest [Conservation]. 035569

Micrometeorology and assessment of primary production of a *tropical* **rain** forest in West Malaysia. 037930

Man's impact on the *tropical* **rainforest** of peninsular Malaysia: a review. 035525

Problems of experimental design [for fertilisation] in *tropical* **regions.** 040965

The influence of potassium nutrition on the yield and chemical composition of some *tropical* **root** and tuber crops [Fertilizers]. 040975

New aspects of genesis of some *tropical* **soils** in Cuba. 040611

Subtropical and *tropical* **soils** of India. 040616

Comparative studies of analytical methods for determining available potassium in *tropical* **soils.** 040640

Recent works carried out by the Institute of Tropical Agronomic Research and Food Crops in the area of potassium fertilization of *tropical* **soils.** 040967

Pest control and storage problems in feed commodities in *tropical* and **subtropical** countries. 039431

Comparative response to nitrogen deficiency of a *tropical* and **temperate** grass [Panicum maximum trichoglume, Lolium perenne] in the interrelation between photosynthesis, growth, and the accumulation of non-structural carbohydrate. 041019

Acclimatization of [ornamental] *tropical* **trees** for interior use [Ficus benjamina, Brassaia actinophylla]. 038358

The properties of *tropical* **woods.** 21. Evaluation of the wood properties and wood processing suitabilities of timbers from Southeast Asia and the Pacific regions. 035710

TROPICS

Sugarcane as the basis for intensive animal production in the *tropics* **[Cattle,** feeding]. 034369

Biophysical land classification schemes: a review of their relevance and applicability to agricultural development in the **humid** *tropics*. 031201

Pedogenesis in the **humid** *tropics* and the dynamics of potassium. 040643

Soil mapping in relation to the use of fertilizers in the **humid** *tropics*. 040647

Descriptions of three new Histeridae (Coleoptera) from the *tropics* **[Hypocacculus** (Nessus) asiaticus, Hypobletus togoensis, Epitoxasia onthophila]. 039993

Materials on the fauna and ecology of Apoidea (Hymenoptera) from the lower Don. VI. Review of *tropic* **links.** 040051

Forest inventory in the *tropics* **[Nicaragua]:** a consideration. 035557

Factors limiting the production of animal products in the *tropics,* with **particular** reference to animal feeds. 033522

The value of meat and bone meal as the major protein concentrate in the diet of weaners and fattening **pigs** in the *tropics*. 034377

Distribution of calcium, potassium and phosphorus in Helianthus annuus [sunflower] hypocotyls and Zea mays [maize] coleoptiles in relation to *tropic* **stimuli** and curvatures. 037348

TROPISTERNUS

Calling chirps in *Tropisternus* **natator** (D'Orchymont) and Tropistermus lateralis nimbatus (Say) (Coleoptera: Hydrophilidae). 039708

TROUGHS

Effects of density and social order of the flock, and of length of **feeding** *troughs,* on the performance of layng hens rationed in feed. 034363

Constructional design of the front walls of rearing stalls with **large** *trough* for sows with litter. 040317

TROUT ***see*** **FISH**

TRUCKS

Early intervention and extinguishing of forest fires by using a diesel **Campagnola** *truck* equipped with automatic spraying. 035474

Loading *trucks,* an important helper. 040506

Determining total radial reactions to wheels of the **logging** *truck,* including hardness of suspension and tires. 035806

On the dynamic activity of the MAZ-509 **logging** *truck* on tract surface of ferroconcrete slabs [Forest roads]. 035813

The heavy **transporter** *[Trucks].* 040465

A suitable transition curve to the forest road—the locus of the front **wheel** of the *truck*. 035566

TRUFFLES

The difference in lipid composition between Tuber magnatum PIco and tube melanosporum **Vitt** *[Truffles].* 033446

TRUNK

Increasing *trunk* caliper by heading back laterals [Lagerstroemia speciosa, culture]. 038352

TRUSS

Performance of [wood] **roof** *trusses* with metal-plate connectors. 035754

TRYPANOSOMA

The histopathology of experimental disease produced in mice infected with *Trypanosoma* **vivax.** 034956

TRYPANOSOMES

Lutzomyia vespertilionis (Diptera: Psychodidae): potential vector of **chiropteran** *trypanosomes* in Panama. 039480

TRYPETIDAE ***see*** **TEPHRITIDAE**

TRYPORYZA

Preliminary studies on screening of insecticides for the control of rice stem borer *[Tryporyza* **incertulas].** 039252

TRYPSIN

Synthesis and biological activity of some cystine peptides from the active center of the **basic** *trypsin* inhibitor from bovine organs (Kunitz-Inhibitor). 033922

Double-headed protease inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with *trypsin* and **chymotrypsin.** 037771

Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of *trypsin* and **chymotrypsin** complexes. 037773

The effect of calcium on the *tryptic* **digestion** of bovine intestinal calcium-binding protein. 033814

Effect of germination on the carbohydrates, proteins, *trypsin* **inhibitor,** amylase inhibitor and hemagglutinin in horsegram [digestibility] and moth bean [Twinflower dolichos]. 032407

Stability and specificity of protein-protein interactions: the case of the *trypsin-trypsin* **inhibitor** complexes [Soybeans]. 037481

Determination of the *trypsin* **inhibitor** in [pea] seeds. 037821

Comparison of the catalytic properties of [bovine] thrombin and *trypsin* by **kinetic** analysis on the basis of active enzyme concentration. 034023

Tryptic **peptides** from the beta polypeptide chain of AII component of chicken hemoglobin. 034033

Trypsin-sensitive **photosynthetic** activities in chloroplast membranes from Chlamydomonas reinhardi, y-l [Algae]. 037021

The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands. I. Structural homology to the pancreatic **secretory** *trypsin* inhibitors. 033923

Study of the resistance to *trypsin* of **swine** enteroviruses. 035277

TRYPTOPHAN

Some physical characteristics of the enzymes of *L-tryptophan* **biosynthesis** in higher plants [Peas and maize compared to fungi and algae]. 037204

Selective effect of a maize diet in reducing serum and **brain** *tryptophan* contents and blood and brain serotonin levels. 032384

A simplified procedure to **determine** *tryptophan* residues in proteins. 032714

Physiological study of ergot [Claviceps fungi]: induction of alkalois synthesis by *tryptophan* at the **enzymatic** level. 037012

Determination of *tryptophan* in **feeds** by different methods. 033501

New oxidation **products** of *tryptophan.* 032723

Interaction of *tryptophan* **transfer** RNA with Rous sarcoma virus 35S RNA. 035165

TSETSE

The microorganisms of *tsetse* **flies** [Glossina]. 039438

Protection of livestock from *tsetse* **[Glossina** morsitans] bites by means of repellents [Cattle]. 039505

TSUGA

Forest residues in hemlock-spruce *[Tsuga-Picea]* **forests** of the Pacific Northwest and Alaska. A state-of-knowledge review with recommendations for residue management. 041671

Root rot and stem decay following commercial thinning in western hemlock *[Tsuga* **heterophylla]** and guidelines for reducing losses. 035471

Appraisal of recent results of the cultivation of *Tsuga* **heterophylla** Sarg. in Poland. 035686

TUBE

Capillary *tube* urinalysis for small [laboratory] animals. 034097

Carbonate in soil: A theoretical consideration on, and proposal for its fabric analysis. 2. **Crystal** *tubes,* intercalary crystals, K fabric. 040706

Application of Carbowax 20M as an *open-tubular* **liquid** phase in analyses of nutritionally important fats and oils. 032368

The difference in lipid composition between Tuber magnatum PIco and *tube* **melanosporum** Vitt [Truffles]. 033446

Migration of finishing agent in *tubular* **processing** of knitted cotton fabrics. 033176

Test *tube* production of plants [Culture]. 038006

TUBER

The polyphenol of Dioscorea alata (yam) *tubers* **associated** with oxidative browning. 033416

The influence of potassium nutrition on the yield and chemical composition of some tropical root and *tuber* **crops** [Fertilizers]. 040975

Nutrient concentrations and interactions in young leaves of potato plants **growing** with and without *tubers.* 037631

The difference in lipid composition between *Tuber* **magnatum** PIco and tube melanosporum Vitt [Truffles]. 033446

Tuber **meals** as carbohydrate sources in broiler rations [chickens]. 034378

Some aspects of practical application of kinetin [for plant growth and the formation of **nodules** and *tubers].* 037709

Effect of fertilization on yield and composition in different potato varieties. III. Effect of fertilization and rainfall on *tuber* **number** per plant and its correlation with yield in different potato varieties. 041021
Determination of the content of natural growth inhibitors of the **potato** *tuber-caffeic* acid and scopoletin. 037636
Gibberellin-like substances in **potato** *tubers* during their growth and dormancy. 037670
Study of the RNA and protein synthesis in meristems of **potato** *tubers* and the effect of growth regulators of a phenylic nature on these processes. 037683
Correlation between methods to determine the protein content of **potato** *tubers*. 037731
Chemical control of the **potato** *tuber* worm, Gnorimoschema operculella Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350
Effect of planting and harvest dates, location in the hill and *tuber* **size** on sugar content of Kennebec potatoes [in North Dakota]. 038255
Breeding behavior of resistance to green peach aphid [Myzuspersicae] in *tuber-bearing* **Solanum** germplasm [Potatoes]. 036387
Effect of variety and harvest date on *tuber* **sugars** and chip color [Potatoes]. 033324
Residues of certain systemic insecticides in **sweetpotato** *tubers* [Cylas formicarius]. 039534
Comparison of methods for measuring leaf and *tuber* **water** potentials in potatoes. 037627
Potato leaf and *tuber* **water** potential measurements with a pressure chamber. 037628

TUBERCULOSIS

Bovine *tuberculosis* [Control]. 034969
Duration of post vaccination immunity to foot-and-mouth disease in cattle with chronic diseases. Experiments on **leukosis** and *tuberculosis*. 035018
Problems of *tuberculosis* in **pheasants.** 035270
Effect of tuberculinization on the blood proteins of camels and cows *[Tuberculosis,* **treatment**]. 035239

TUBULES

The effect of vinblastine on spermiogenesis in Drosophila melanogaster: evidence for two functional classes of **cytoplasmic** *microtubules*. 039865
Induction of transport of organic anions in **Malpighian** *tubules* of Rhodnius. 039847
What moves chromosomes, *microtubules* or **microfilaments?** [Nephrotoma suturalis]. 039638
Appearances of *microtubules* [of **Nephrotoma** saturalis and rats] after various fixative procedures, and comparison with the appearances of tobacco mosaic virus. 039824
Evidence for a structural relationship between successive **parrell** *tubules* in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and rheusus monkey heart. 034069

TULIP

Botanical *tulips* [Tulipa] for the amateur [Varieties]. 038486
Natural cytokinins and dormancy of *tulip* **bulbs** [Tulipa alberti]. 037864
The market for *tulip* **[Tulipa]** bulbs. 031553

TULIPAE

Natural cytokinins and dormancy of tulip bulbs *[Tulipa* **alberti**]. 037864
Botanical tulips *[Tulipa]* for the **amateur** [Varieties]. 038486
The market for tulip *[Tulipa]* **bulbs.** 031553

TULLBERGIA

Tullbergia **duboscqi** Denis (Collembola, Omychiuridae) from Kent. 040032

TUMOR

Viability and transplantability of developed tumour cell treated in vitro with *antitumour* **agent** C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
Cellular energy dependent agglutination of rat **ascites** *tumor* cells mediated by concanavalin A and Ricinus communis agglutinin. 036809
Sertoli **cell** *tumour* in a bull. 035330
Effect of rifampin application time on **crown-gall** *tumor* induction by Agrobacterium tumefaciens [Kalanchoe, carrots, kidney beans]. 038856
Viability and transplantability of **developed** *tumour* cell treated in vitro with antitumour agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
Karyological studies on crown **gall** *tumors* [caused by Agrobacterium tumefaciens] of the pea. 036329
Contribution concerning the study of **intestinal** *tumors* in dogs. 035298
Laryngeal *tumor* in a dog. Epithelial neopalsia with sarcomatous aspect. 035299
Plant *tumors* [caused by Agrobacterium tumefaciens] resulting from unregulated hormone synthesis. 038866
Reactivity of avian **RNA** *tumor* viruses with lectins. 035135
Chemical and physical properties of *tumor-affected* **sitka** spruce [Picea sitchensis]. 037940
The influence of cyclic 3'5'-adenosine monophosphate on the induction of *tumour* **transformation** of carrot tissue. 037875

TUNA *see* FISH

TUNDRA

The IBP [International Biological Programme] *Tundra* **Biome**—an introduction. 036204
Abisko II: A computer simulation model of carbon flux in *tundra* **ecosystems.** 036187
Structure and function of *tundra* **ecosystems.** 036202
Effect of deflation on soil formation in Western **Siberian** *tundra*. 040722

TUNGRO

Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [**rice** *tungro* virus] infected rice varieties. 038909
Biochemical changes in leaves of different rice varieties due to *tungro* **virus** infection. 038908

TUNNELING

Continual transport of pork halves in an ultra-quick **chilling** *tunnel*. 033115
A model of digging behaviour and *tunnel* **production** in ants [Formica lemani, lasius niger]. 039812
On the benzpyrene content in dried fruits treated in a **Soviet-made** *tunnel* drying oven. 033483
The **temperature-gradient** *tunnel:* a versatile controlled environment [for the study of plant growth]. 036763

TURBINE

Guidelines for the selection of *turbine* **pump** materials for use in groundwaters [Irrigation equipment, water supply]. 040454

TURF

Growth of *turfgrasses* as **affected** by soil phosphorus and arsenic [Herbicide residues]. 037822
Response of **cool-season** *turfgrasses* [Poa pratensis, Festuca rubra] to liquid applications of fertilizer. 041057
Control of Japanese beetle [Popillia japonica] and European chafer grub [Amphimallon majalis in *turf]* with **Dursban** insecticide. 039276
Establishing *turf* under plastic. 038334
Turf-taiga **(frozen-gley)** soils. 040608
Land application of municipal effluent waste [for **irrigation**] on *turf*. 041049
Santa Barbara problem as an example of what may lie ahead *[Turfgrass* **irrigation**]. 041410
Herbicides for weed control during establishment of warm **season** *turfgrasses*. 039171
North Atlantic facies of the *turf* **subarctic** and illuvial-humus-Podzol soils. 040603
Controlling cool **weather** *turfgrass* diseases. 1. 038988

TURKEY

Eating quality and thiamin retention of *turkey* **breast** muscle roasted and "slow-cooked" from frozen and thawed states. 032250
Agriculture and the State: An inquiry into agricultural differentiation and political alliances: the **case** of *Turkey*. 031099
Fruit and vegetable processing industry in *Turkey* **[Economic** aspects]. 031196
Chondrodystrophy: an inherited lethal condition in *turkey* **embryos.** 035345
Improved characteristics for dry, **fermented** *turkey* sausage. 033127
Some information on rearing of *turkey* **hens.** 033691
Multiple insemination of *turkey* **hens.** 034595
Characteristics of economical and management aspects of **increased** *turkey* production [Prices, marketing]. 031550
The production, marketing and utilisation of oilseed cakes and **meals** in *Turkey*. 033530
Degenerative myopathy of the deep pectoral **muscle** in the *turkey*. 035346
Relationship of supplemental biotin, protein level, and grain source to reproductive **performance** of *turkeys*. 033103
Relationship of supplemental biotin, phosphorus level and calcium level to reproductive **performance** of *turkeys*. 034456
Studies on the liquid preservation of rooster and *turkey* **sperm.** 034838
Experience in the use of enzyme preparations in livestock nutritions [Chickens, *turkeys,* **swine**]. 034393
Turkey, **turkey,** turkey! 032621

TURNIPS

Toxic effects of copper on *turnip* **moth** (Scotia segetum Den. Et Schiff. Lepidoptera). 3. Influence of anorganic copper compounds on fertility of imagos. 039318
Breeding for low content of glucosinolates in rape and *turnip* **rape** [Analysis]. 033299
Yellow-seeded rape and *turnip* **rape.** II. Breeding for improved quality of oil and meal in yellow-seeded materials. 036701

TUSSILAGO

First the blossoms and then the leaves *[Tussilago* **farfara,** physiology]. 037784

TWIGS

The penetration of females of the fruit bark beetle Scolytus mediterraneus Eggers into **antifeedant-treated** *twigs* in laboratory tests. 039372
Twigs from **Azadirachta** used as toothbrushes in India. 032730
Seasonal variations in the composition of Pinus halepensis and Pinus **sylvestris** *twigs* and needles essential oil. 037913
Transmission of fungus grape diseases by **willow** *twigs* [Phomopsis viticola]. 038830

TWINS

Genetic variability in horsegram *[twin* **flower** dolichos] (Macrotyloma uniflorum syn. Dolichos biflorus). 036604
A colchicine induced diploid from a haploid **soybean** *twin*. 036568

TYCHIUS

Tychius **flavicollis** Stephens (Coleoptera, Curculionidae) in Cumbria. 040035

TYLAN *see* TYLOSIN

TYLENCHORHYNCHUS

Ultrastructure of the esophageal procorpus in the plant parasitic nematode, *Tylenchorhynchus* **dubius,** and functional aspects in relation to feeding. 038968

TYLOPHORA

Indolizidine alkaloids **[Dendrobium,** *Tylophora].* 036741

TYLOSES

Effect of the initial soil moisture content and various concentrations of Curasol AE and *Tylose* 666 on the **formation** and stability of dune sand aggregates. 041171

TYLOSIN

The effect of *tylosin* **[antibiotic]** in pigs. 035230
Verification of *Tylan* **effectiveness** in pigs under field conditions [Antibiotics]. 035275

TYMPANUM

The *tympanic* **organ** of Cicada orni L. (Cicadina, Homoptera). A light and electron microscopic investigation. 039954
The response characteristics of the *tympanal* **organs** of two species of bush cricket [Platycleis intermedia, Homorocoryphus nitidulus vicinus] and some studies of the problem of sound transmission. 039832

TYPHLOCYBINAE

On some *Typhlocybinae* from **India** (Auchenorrhyncha, Cicadellidae) [Anaka, Takama, Mandola, new taxa]. 039997

TYPHLODROMUS

The role of predatory mites *[Typhlodromus* **occidentalis]** in mite control on tree fruits. 039366

TYPHULA

Evaluation of a number of systemic fungicides for the control of *Typhula* **incarnata** in winter barley. 038837

TYRES *see* TIRES

TYROSINE

Response of alanine, *tyrosine* & **leucine** aminotransferases to dietary pyridoxine & protein in rat tissues. 032336
A **new** *tyrosine* derivative in Drosophila buskii. 039907

UBIQUINONE

Changes in the chlorophyll, plastoquinones and *ubiquinone* **content** of the peach leaves (cv. Elberta) infected by Taphrina deformans (Berk.) Tul. 038758

UDDERS

Results and experiences in the use of compressed **air** *udder* stimulation at the Dedelow Dairy [Milk production, East Germany]. 033672
Spome economic aspects of **assuring** *udder* health in industrially producing dairies. 034925
Blockage of nerves of organs of the pelvis and *udder* of **cows** [Anesthesia]. 034934
Investigation on *udder* **functional** peculiarities in the Pleven Blackface sheep breed. 034244
Economic analysis of veterinary services for *udder* **health** in industrialised dairy farming units [Costs]. 031490
Judging *udder* shape with the help of a stereo measuring chamber. 033773
Materials for cleaning and disinfecting milking **machines** and *udders*. 033627
Studies on heifer mastitis. II. Biochemical properties and microbiological findings of exudates from normal and **mastitic** *udders* of the heifer. 035012
Results of studies on *udder* **sucking** in heifers kept in industrial conditions [Cattle]. 034924
Results obtained in the treatment of *udder* **ulcers** [Cows, goats, sows, ewes]. 035371

UHT *see* TEMPERATURE

ULCER

Gastric *ulcer* of swine in large scale [raising and fattening] farms. 035375
Results obtained in the treatment of **udder** *ulcers* [Cows, goats, sows, ewes]. 035371

ULEX

Purification of *Ulex* **europeus** hemagglutinin I by affinity chromatography. 036759

ULMACEAE

Arrangement and reduction of perianth and androecium parts in representatives of *Ulmaceae* **Mirbel** and Celtidaceae Link. 036283

ULMUS

Rooting of cuttings from tops and stumps of American elm *[Ulmus* **americana** to produce trees resistant to Dutch elm disease caused by Ceratocystis ulmi]. 038364
Growth of Belgian elm *[Ulmus]* in the **coastal** provinces of the Netherlands. 037929

Asexual propagation of hybrid [ornamental] elms [Ulmus pumila, *Ulmus* **japonica**]. 037831
Growth of *Ulmus* **laevis** and Fraxinus excelsior seedlings in relation to length of flooding. 035656
Asexual propagation of hybrid [ornamental] elms *[Ulmus* **pumila,** Ulmus japonica]. 037831

ULOTRICHALES
Ultrastructural localization of lead in Stigeoclonium tenue(Chlorophyceae, *Ulotrichales)* as **demonstrated** by cytochemical and X-ray microanalysis [Algae]. 036341

ULTRAFILTRATION *see* FILTRATION

ULTRAFINE *see* FINENESS

ULTRASONICS
Ultrasound **effect** on the growth, development and yield of sunflower. 038139
Investigations into early selection of female swine by means of the *ultrasonic* **method.** 034576
Some observations of velocity fluctuations in a strongly stratified estuary using an *ultrasonic* **transit-time-difference** current meter [Water quality]. 041323
Ultrasonic **treatment** of cells infected with myxomatosis virus. 034985
Effect of *ultrasonic* **waves** on the biological properties of bakers' yeast [Saccharomyces cerevisiae]. 032717
The influence of *ultrasonic* **waves** on basic microorganisms of wine. II. The relationship between the effect of ultrasonic waves on the physicochemical composition of bactericides in a workable medium. 033346

ULTRASTRUCTURE
The *ultrastructure* of the **adult** abdominal cuticle of Tenebrio molitor L. (Insecta: Coleoptera). 039939
Ultrastructural **analysis** of the freeze-etched spore envelope of the microsporidian, Nosema apis Zander [Disease of honeybee]. 040297
Some *ultrastructural* **aspects** of spermatogenesis in Lycopodium complanatum. 036351
The effect of temperature on the *ultrastructure* of the **cells** of the embryos of Euonymus europaea L. in the process of stratification and germination of seeds. 037898
Ultrastructural **changes** and a second mode of flagellar degeneration during ageing of phytophthora palmivora [Fungi] sporangia. 037023
A survey of **chloroplast** *ultrastructure* in the Dinophyceae [Algae]. 036337
The implications of genetic, physiological and environmental control of **chloroplast** *ultrastructure* to the optimization of photosynthetic activity. 036974
Ultrastructure of the **compound** eye of the diploid female beetle, Xyleborus ferrugineus. 039674
Bark-beetle-fungal symbiosis. III. *Ultrastructure* of **conidiogenesis** in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, vector of Ceratocystis minor]. 039385
Effect of chemical modifications on the *ultrastructure* of **corn,** waxy maize, and tapioca starches. 033203
The distribution and *ultrastructural* **effects** of passionfruit woodiness virus in bean leaves. 038889
Fasciola hepatica: the *ultrastructure* of the **epithelium** of the seminal vesicle, the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. 035179
Observations on the development and the *ultrastructure* of some **erinoses.** I. Erinose caused by Eriophyes leisoma Nal. On the Tilia intermedia D.c. 039234
Observations on the development and the *ultrastructure* of some **erinoses.** II. Erinose caused by Eriophyes paderineus L. on the leaves of Prunus padus L. 039235
Ultrastructure of the **esophageal** procorpus in the plant parasitic nematode, Tylenchorhynchus dubius, and functional aspects in relation to feeding. 038968
On the specificity of *ultrastructure* and **function** of cellular organoids in Verticillium dahliae (Kleb) [Wilt, cotton]. 038806
Transformation of *ultrastructure* of **grape** leaves under the effect of infectious chlorosis virus. 038941
The caliciales of boreal North America: taxonomy, ecological and distributional comparisons with Europe, and *ultrastructural* **investigations** in some species [New taxa]. 036148
Effects of water stress on the *ultrastructure* of **leaf** cells of Sorghum bicolor. 037520
The *ultrastructural* **localization** of calcium in the avian shell gland [Chickens]. 034065
Ultrastructural **localization** of lead in Stigeoclonium tenue(Chlorophyceae, Ulotrichales) as demonstrated by cytochemical and X-ray microanalysis [Algae]. 036341
THe *ultrastructure* of **M1-a-mediated** resistance to powdery mildew [Erysiphe graminis hordei]. 038588
Ultrastructure of the **milk** fat globule membrane with and without triglyceride. 032952
Ultrastructural **observations** of yellowish green peels of Citrus unshiu Marc. 036289
Ultrastructural **peculiarities** of cells and plastids during change from tissue culture heterotrophic nutrition to autotrophic one. 036288
Ultrastructure of **pepper** leaves with chlorophyll changes under the effect of nitrosomethylurease. 036282
Biochemical properties and *ultrastructure* of **protein** bodies isolated from selected cereals. 033200
Ultrastructure of **Rhizobium-induced** infection threads in clover root hairs. 038853
The *ultrastructure* of the **sheep** metaphase plate chromosomes. 034220
The *ultrastructure* of the **sheep** placenta around the time of parturition. 034658
Sieve-element *ultrastructure* in Platycerium bifurcatum and some other polypodiaceous ferns: the nacreous wall thickening and maturation of the protoplast. 036267
Ultrastructural **studies** of development and light-dark adaptation of the eye of Coccinella septempunctata L., with particular reference to ciliary structures. 039940
Cellular contacts in the synovial membrane of the cat and the rabbit: an *ultrastructural* **study.** 033856
An *ultrastructural* **study** of acid phosphatase localization in cells of Phaseolus vulgaris [kidney beans] phloem by the use of the azo dye method. 036362
An *ultrastructural* **study** of acid phosphatase localization in Phaseolus vulgaris [kidney bean] xylem by the use of an azo-dye method. 037774
The *ultrastructure* of **trophocyte** nuclei in the polytrophic ovarioles of Chrysopa (Neuroptera). 039945
Ultrastructure of **white-streaked** dendrobium phalaenopsis orchid flowers infected with a rhabdovirus. 038925
Ultrastructure of **wilt** syndrome caused by Verticillium dahliae. II. In sunflower leaves. 038590

ULTRAVIOLET
Ultraviolet-induced **alterations** of beat rate and electrical properties of embryonic chick heart cell aggregates. 034063
Studies on the use of **artificial** *ultraviolet* radiation in farrowing houses [Swine sanitation]. 034926
Ultraviolet-induced **changes** in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). 039669
Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans [Fungi]. V. Study of effect of uvs-mutations on postradiation effect of acriflavin and capacity for photoreactivation during incubation of UV *[ultraviolet]-irradiated* **conidia** in buffer. 036674
Effect of cadmium ions on chlorella [Algae]. II. Modification of *ultraviolet* **irradiation** effect. 036513
Studies on the formation of vitamin D by sunlight irradiation of provitamin D. III. Yearly variation of *ultraviolet* **light** intensity in sunlight. 032466
A genetic analysis of the nature of the reversions induced by *ultraviolet* **light** in normal and UV [ultraviolet]-sensitive yeasts under different postirradiation conditions. 036664
Effect of caffeine on recovery from DEB [diepoxybutane]-induced cell inactiation in UV *[ultraviolet]-sensitive* **mutants** of Saccharomyces cerevisiae. 036597
Character of *ultraviolet-spectra* of **native** DNA and DNA after acidic and alkaline denaturation depending on degree of plant supply with manganese ions. 036932
Nitrogen and carbohydrate exchange in poultry treated with *ultraviolet* **radiation.** 034237
Comparative mutagenic effects of ethyl methane-sulfonate, nmethyl-n'-nitro-n-nitrosoguanidine, *ultraviolet* **radiation** and caffeine on Dictyostelium discoideum [Fungi]. 037126
Effect of far and near *ultraviolet* **radiation** on DNA content in Dunaliella salina Tood [Algae]. 037322
Experimental study of a rabies vaccine from sheep brain tissue inactivated with *ultraviolet* **rays.** 035282
Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of virulence under the influence of *ultraviolet* **rays.** 039916
Genetic control of sensitivity to mutagenic factors in Asperbillus nidulans [Fungi]. VI. Genetic analysis of uvs *[ultraviolet* **sensitive]** mutants. 036673
Quantitative determination of saccharin [as a sweetener] in food products by *ultraviolet* **spectrophotometry.** 032853
Annotated bibliography on the use of light (UV *[ultraviolet],* **visible** and IR [infrared]) in assessing the quality, maturity or defects in fruit and vegetables, 1967-1974. 033445
Ultraviolet and **visible** absorption spectra of humic systems. 040638
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV *[ultraviolet]-sensitive* **yeasts** under different postirradiation conditions. 036664

ULVA
The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and mitotic gametogenesis in *Ulva* **mutabilis** [Algae]. 036413
The spontaneous mutability in *Ulva* **mutabilis.** Occurrence of unstable strains [Algae]. 036609

UMBILICAL
Local regulation of the uterine blood flow by the *umbilical* **circulation** [Sheep, Rabbits]. 034153
Umbilical **hernia** repair with mersilene mesh [Dogs]. 034918

UNANESTHETIZED *see* ANESTHESIA

UNDECANOIC
Resistance to ketosis during prolonged fasting by rats fed on a diet **containing** *undecanoic* acid, an odd-carbon-number fatty acid. 032186

UNDERFLOOR *see* FLOORS

UNDERGROUND
Seasonal dynamics of the mass of aboveground and *underground* **organs** of meadow steppe plants. 037326
Measurement techniques for the prospection, exploitation and protection of gas **saturated** *underground* waters as applied in Czechoslovakia. 041311
Integrated utilization of *underground* and **surface** waters for irrigation. 041260
Consolidation tests in refilled lysimeters *[Underground* **water].** 041442
Irrigaton with *underground* **waters** in the Azerbaijan SSR. 041262

UNEMPLOYMENT *see* EMPLOYMENT

UNGUICULATA
Fruit abscission in cowpea, **Vigna** *unguiculata* (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. 037777
CR 17-1-34, Cercospora [cruenta] leaf spot resistant southernpea **[Vigna** *unguiculata]* germplasm [South Carolina]. 038634
CR 17-1-13, CR 18-13-1, CR22-2-21, cowpea curculio [Chalcodermus aeneus] resistant southernpea **[Vigna** *unguiculata]* germplasm [from South Carolina]. 039336

UNITS
Determination of the 'starter' **acetate** *unit* in the biosynthesis of pinidine [Pinus jeffreyi]. 037938
Method of examining the relationship between the current increment of [forest] stand volume on the one hand, and breast height cross-section area and the number of trees per **area** *unit* on the other. 035622
Studies into stressor action on calf organism in the contest of adjustment after movement to industrialised young cattle **breeding** *unit.* 034108
Occurrence of arthritis in sucking piglets in an industrialised pig **breeding** *unit.* 035363
An intensive **calf-rearing** *unit.* 033653
Adaptation of [grain **cleaning** *unit]* ZAV-20 for sunflower seeds. 040545
Response of femoral and vertebral **colony-forming** *units* to 226Ra [radium isotope] internal contamination in mice [Toxicity]. 035434
Mating of sows during lactation: observations from a **commercial** *unit.* 034560
Gonadotropin and *subunit* **conformation** [Sheep pituitary hormone]. 033762
Breeding hygiene in industrialised **dairy** *units.* 2. Management, organisation, and control of reproduction periods. 034747
Isoionic titration and isopycnic density gradient centrifugation studies of margnesium activation and *subunit* **dissociation** in yeast [Saccharomyces cerevisiae] enolase. 036785
Double-headed protease inhibitors from black-eyed peas. III. *Subunit* **enteractions** of the native and half-site chemically modified proteins. 037770
Economic analysis of veterinary services for udder health in industrialised dairy **farming** *units* [Costs]. 031490
Breeding hygiene in industrialised dairy **farming** *units.* 3. Results obtained from breeding hygiene practice as part of veterinary production control in industrialized dairy farming. 034748
Mechanization of cattle **fattening** *units.* 040480
Low-cost fencing: ways with electric **[fence]** *units.* 040379
Linear programing in the planning of timber production in a **forestry** *unit.* 035616
Demands on the automation of industrial **greenhouse** *units.* 040353
Growing-degree *units* for corn in the North Central Region. 037556
Observations on the organisation of a *unit* **improved** peasant farm at the Institute of Agriculture, Ambo, Shoa Province, Ethiopia, 1969-1974. 031251
Swine feeding in **industrial** *units.* 034396
Studies into cycle control of old sows in **industrialised** *units.* 034752
Studies on cycle control of gilts in **industrialized** *units.* 034754
X-ray diffraction from oriented outer mitochondrial membranes. Detection of **in-plane** *subunit* structure [Mung beans, potatoes]. 037658
All **intact** *subunit* RNAs from Rous sarcoma virus contain poly (A). 035104
Results of **interfarm** *units* for crop production in Linum andFehrbellin and their agrochemical centre in achieveing techno-scientific progress [Agronomy]. 038012
Timber resource statistics for the Copper River **Inventory** *Unit,* Alaska, 1968. 035613
Synthesis of compounds containing the **isoprene** *unit.* A stereospecific synthesis of dehydronerol isovalerate, a component of Anthemis montana L. 037287
Structural organization and the pigment fund of the plastid apparatus of the *unit* of the **leaf** surface area and the productivity of flax under different conditions of zinc and copper nutrition. 037576
The change of the plastid apparatus per *unit* of **leaf** area and the yield of barley under various application of zinc. 040874
Polytechnical instruction on **livestock** *units* in the region of Schwerin: experience under veterinary aspects. 034915
Shifts in the use of selected soil **mapping** *units* as the result of agricultural utilization. 040679
A study of the ribosomal proteins and *subunits* of **pea** seeds by the method of electrophoresis in polyacrylamine gel. 037648
Course of transmissible gastroenteritis (TGE) of swine in a large **piglet** *unit* prior to and following the use of Riems TGE vaccine. 035151
On the activation of bovine plasma Factor XIII: Amino acid sequence of the peptide released by thrombin and the terminal residues of the *subunit* **polypeptides.** 034030

Soybean lecithin **processing** *unit* operations. 033259
Organized cooperation between building and equipment enterprises when preparing and erecting industrial animal and plant **production** *units.* 040325
Introduction of a uniform system for controlling the microclimate in animal **production** *units.* 040371
The experience of operating **pump** *units* on the [irrigation] canal Irtysh-Karaganda. 040361
Identification of the **small** *subunit* of ribulose 1,5-bisphosphate carboxylase as a product of wheat leaf cytoplasmic ribosomes. 037357
Recommendations for the time of separation of dairy cows in industrial open **stall** *units.* 033671
Evidence for **structural** *units* in chloroplast thylakoids [Nymphoides indica, beans]. 036344
The effect of the presence of the metal prosthetic groups on the *subunit* **structure** of bovine superoxide dismutase in sodium dodecyl sulfate. 034137
Dust control in industrialised **swine** *units,* its relevance to animal performance and health. 034914
Relative costs of wall construction for underfloor manure-storage tanks [for a confinement **swine** *unit].* 040370
High molecular weight RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain **two** *subunits.* 035105
On the choice of discriminational threshold for the **vegetational** *units* of different ranks. 036182

UNSAPONIFIABLE *see* SAPONIFICATION

UPGRADING
Upgrading **warewashing** efficiency. 032645

UPLANDS
Influence of lint percentage, boll size, and seed size on lint yield of *Upland* **cotton** with high fiber strength [Breeding, selection]. 036433
Persistence of the glandless genotype in a composite cross of *Upland* **cotton** on the Texas High Plains. 036436
Potentialities of gene exchange in selection programs for earliness, in some crosses between Egyptian and *Upland* **cottons.** 036381
Emergence and organ elongation of seedling of paddy rice sown under *upland* **field** condition as affected by specific gravity and weight of seed. 037542
A cropping pattern for *uplands* of **Orissa** [Rice, maize, mustard]. 038024
Problem of the regeneration of fir and mixed stands with fir with the use of improved cutting methods in the light of studies in the VIth Land—Central **Poland** *Uplands.* 035623
On the optimum planting date of white lupine (Lupinus albusL.) grown for green matter in the Middle **Rhodope** *Upland.* 038136
Studies on the compatibility of foliar application of urea with weedicide, fungicide and insecticide in *upland* **rice.** 040909

URACIL
Rapid detection of mycoplasmata and nonculturable agents in animal cell cultures by *uracil* **incorporation.** 035148

URANIUM
Effects of carnitine on oxygen uptake and utilization of (U-14C) *[uranium-carbon* **isotope**] palmitate by ejaculated bull spermatozoa. 034683
Study of the genetic effects induced in populations by radioactive products of the nuclear fission of U235. I. The mutation process in populations of Chlorella vulgaris under the prolonged influence of products of the nuclear fission of U235 *[uranium* **isotope,** algae]. 036691

URBAN
Urban **analysis** in the regional-national [medium-term econometric forecasting] model REGINA of the French economy [includes rural areas]. 031807
Forestry issues in an *urban* **economy.** 035558
The response of woody species to air pollutants in an *urban* **environment.** 039017
Insect-tree relationships in the *urban* **environment** [Diseases, pests]. 039352
Urban **forestry** education in North America. 035480
Peri-urban **forests,** a dream or reality? Words of a biologist. 035501
Urban **hydrology** for small watersheds. 041104
On the economic structure of strictly hierarchical central place systems *[Rural-urban* **relations].** 031034
A technique for flow measurements in *urban* **runoff** studies [Storm sewers]. 041562
Assessment of *urban* **runoff** quantity and quality [Water pollution]. 041565
Water quality of *urban* **storm** runoff. 041588
Instrumentation for *urban* **stormwater** and wastewater. 041575
Application of a parametric model to simulate flows from an *urban* **watershed.** 041425
Main Street pokes along **while** *urban* areas boom [Small towns and the rural areas]. 031139

UREA
Turnover of 15N-14C [nitrogen isotope-carbon isotope] **acetyl** *urea* in sheep. 034321
Urease **activity** of isolated tobacco protoplasts. 037590
Ubiquity of some soil enzymes and isolation of soil organic matter with *urease* **activity.** 040637
Top dressing of maize with *urea* from **airplane.** 041007
Differences in volume growth increase after [forest] fertilization with *urea* and **ammonium** nitrate fertilizer. 040886
Effect of *urea* and **ammonium** sulphate applied before sowing on sudangrass [Sorghum sudanese] seedlings. 040993
Dates and methods for *urea* and **ammonium** nitrate application to irrigated maize on soils having a heavy mechanical composition. 041030
Uralpa, a new form of *urea* for **animal** feeding. 033511
Studies with labelled urea on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] *urea* into the **basic** amino acids of goat milk. 034317
A note on the difference between **blood** *urea* of buffalo and cow calves. 033993
Metabolism of *urea* in **buffalo** calves fed on diets of different crude protein content. 034382
Urease: the **bye-product** of yeast manufacturing. 032709
A durable flame-retardant finish for cotton based on THPC [tetrakis (hydroxymethyl)-phosphonium **chloride**] and *urea.* 031951
Biological changes in the rhizosphere of wheat after foliar application of chlorocholinechloride, *urea* and **4-chloro-2-methylphenoxyacetic** acid. 037435
Ruminal properties and plasma free amino acids of cows fed purified diets **containing** *urea* or soy protein together with rice straw. 034425
Passage of the intravenously administered 15N [nitrogen isotope] *urea* into the **digestive** tract and its excretion in thesheep. 033722
Partial replacement of protein with *carbamide* in **feeding** rations and its effect on the concentration of free amino acids in the digestive tract of cattle. 034493
Practical results of *urea* **fertilization** in ornamental plant growing. 040938
Changes in the composition of raw humus and the transport of organic matter as a result of *urea* **fertilization.** 040952
Defoliation [with *urea]* and **fruit** set in guava. 038361
Renaturation of yeast [Saccharomyces cerevisiae] inorganic pyrophosphatase denatured in *urea* and **guanidine** hydrochloride. 037018
Incorporation of N from intravenously administered 15N [nitrogen isotope] **labelled** *urea* into the bacterial protein in the sheep. 033721
Studies with **labelled** *urea* on lactating ruminants. 4. Incorporation of 15N [nitrogen isotope] urea into the basic amino acids of goat milk. 034317
Recent results and experience in transport, handling and storage of *urea* and other **mineral** fertilisers. 040915
Stabilizing wood **modified** with *urea.* 035820
Induction of bovine polioencephalomalacia with a feeding system based on **molasses** and *urea.* 035398
Effects of dietary soy or *urea* **nitrogen** and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. 034410
Effective use of *urea* as a **nitrogen** fertiliser in crop farming. 040911
Cytogenetic effect of **N-nitroso-N-methyl** *urea* on cells of Crepis capillaris L. seeds stored for a long time after treatment. 036954
The efficacy of protein supplementation in **overcoming** *urea* toxicity in sheep. 035395
Effects of storage on the activities of protease, *urease,* **phosphatase,** and sulphatase in three soils under pasture. 040702
Clearance of endogenous creatinine and *urea* in **pregnant** women with late toxemia kept on a diet containing different amounts of protein. 032481
Influence of different organic materials with and without rock phosphate and *urea* on **reclamation** of highly saline and alkaline soil. 041161
Extraction of *urease* from **soil.** 040797
In alkali **soils** *urea* spraying for saving nitrogen and more wheat. 040981
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) *urea* on **survival** of western hemlock looper [Lambdina fiscellaria lugubrosa]. 039383
Studies on the compatibility of foliar application of *urea* with **weedicide,** fungicide and insecticide in upland rice. 040909

UREAFORM
Initial release of nitrogen from *ureaform* under **field** conditions [of Israel, bananas]. 041042

UREDOSPORES
The effect of some chemical compounds on germination of *uredospores* of **Puccinia** dispersa Erikss. et Henn. [Rust, rye]. 038732
Germination of Puccinia **striiformis** *uredospores* on leaves of adult winter wheat plants [Resistance to yellow rust]. 038566

URETHANE
Potentiation by *urethane* and **inhibition** by pentobarbitone of oxytocin release in vitro [Rats]. 034056

URETHRA
Transitional cell carcinoma of the *urethra* in a **cat.** 035312

URGINEA
Alkaloids of *Urginea* **altissima** and their antimicrobial activity against Phytophthora capsici. 037159

URIDINE
Structure and mechanism of action of uridine diphosphate **apiose**/ *uridine* Diphosphate xylose synthase from cell-suspension cultures of parsley (Petroselinum hortense). 037873
Pyrophosphorylases in Solanum tuberosum. I. Changes in ADP [adenosine diphosphate]-glucose and UDP *[uridine* **diphosphate]-glucose** pyrophosphorylase activities associated with rage of potatoes. 037814
Incorporation of **tritiated** *uridine* during pachytene and diplotene stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). 033894

URINE
Effect of dietray calcium and phosphorus levels on the incidence of *urinary* **calculi** and on urine and serum mineral levels in wethers [Sheep]. 035351
Relation of the hydrogen-ion concentration of **cow** *urine* to pure acid-base extract. 034232
Effects of the ingestion of vitamin E with vitamin A on serum levels and *urinary* **creatine/-creatinine** in children with cystic fibrosis. 032274
The analysis of paraquat [herbicide] in *urine* by **high-speed** liquid chromatography. 039571
Erythropoietin in the *urine* of **horses** donors of immune sera. 034961
Thin-layer chromatographic assays of histamine and its metabolites in *urine* of **man** and dog. 034049
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and *urinary* **metabolite** excretion in sheep. 034410
Urinary **phenolic** acids of normal dogs & their retention in acute experimental uraemia. 035321
Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on *urine* and **serum** mineral levels in wethers [Sheep]. 035351
Diseases of the *urinary* **system** [Cats]. 034889
Changes in *urinary* **water** and electrolyte excretion in sodium-loaded sheep in response to intravenous infussion of arginine vasopressin. 034159

UROCERUS
The distribution and ecology of woodwasps *[Urocerus* **gigas]** (Hymenoptera, Siricidae) and their parasitoid, Rhyssa persuasoria (L.) (Hymenoptera, Icheumonidae), in Ireland [Biological control of Sirex noctilio]. 039705

UROCYSTIS
Relative reaction of different varieties of wheat to flag smut *[Urocystis* **tritici]** in Punjab. 038709
Flag smut *[Urocystis* **tritici]** of wheat is becoming a serious problem in Punjab. 038782

UROLITHIASIS
In vitro study on the mechanism of ammonium chloride on the prevention of *urolithiasis* in **fattening** cattle. 035352

USNEA
Parmeliaceae, with the exclusion of Parmelia and *Usnea,* in **East** Africa. 036085
New Lichens, [in Lecanora, Ramalina and *Usnea]* **whose** isotype will be described in the fascicule no. 53 of "Lichenes selecti exsiccati" [Issued by the Botanical Institute of the Czechoslovak Academy of Sciences]. 036013

USTILAGO
Genetic control of virulence in *Ustilago* **hordei** [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592
Estimating the efficiency of partial-vacuum inoculation of barley with *Ustilago* **hordei** [covered smut]. 038766
The inheritance of resistance to *Ustilago* **nuda** (Jens). Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. 036500
The inheritance of resistance to *Ustilago* **Nuda** (Jens.) Rostr. in a highly immune barley variety Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
Influence of various factors on the efficacy of two systemic fungicides for control of loose smut of wheat *[Ustilago* **nuda** tritici]. 038695
Loose smut *[Ustilago* **nuda]** of barley: the embryo test as a means of assessing loose smut infection in seed stocks. 038792
Smut *[Ustilago* **scitaminea]** on sugar-cane. 038780
Screening of promising sugarcane varieties for resistance to smut by *Ustilago* **scitiminea** Syd. in the Punjab. 038722
Sorus ontogeny and sporogenesis in some smut fungi *[Ustilago* and **Sorosporium** on Gramineae]. 038577
Differentiation of the races of loose smut of wheat according to proteins of chlamidospores *[Ustilago* **tritici].** 038800
Formation of indol compounds by different strains of *Ustilago* **zeae** (Beckm) Ung. [Smut, maize]. 038803

VARIANCE – VARIETY
Water-vapor transmission and laboratory ... A study on ... Comparis...

UTERUS
Possibilities of influencing puerperium in cows by *intrauterine* **application** of Calcium-Spofa. 034860
Local regulation of the *uterine* **blood** flow by the umbilical circulation [Sheep, Rabbits]. 034153
The effect of labour on *uterine* **blood** flow in the pregnant ewe. 034790
Purification and properties of **bovine** *uterine* glutamic dehydrogenase: a comparison with the liver enzyme. 033987
Use of *uterine* **capsule** in treatment of the cow [after parturition]. 035388
Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on *uterine* **catecholamine** levels related to abnormal parturition in rats. 034667
Torsion of *uterus* in **cattle.** 035364
Effect of maternal malnutrition on *intra-uterine* **growth** of the human foetus. 032463
Histological *uterus* examination of gilts for possibilities of earlier puberty and induction of onset. 034749
Results obtained from **histological** *uterus* examination of young sows after heat synchronization, heat stimulation and synchronization of ovulation. 034751
Effects of injections of monoamine oxidase inhibitor or saline into the *uterus* in **late** pregnancy on uterine catecholamine levels related to abnormal parturition in rats. 034667
Maintenance of plasma-derived proteins at much lower concentrations in the *uterine* **lumen** of the rabbit: a kinetic study of passage. 034686
Uterus **masculinus** in a male dog. 035360
Isolation and characterization of a sulfated glycoprotein from **rabbit** *uterus.* 034027
A comparison of in-vitro fertilization of rabbit eggs using spermatozoa recovered from the *uterus* or **vagina.** 034677

UTRICULARIA
Discovery of *Utricularia* **protrusa** Hook.f. Near Westport, South Island, New Zealand. 036068

VACCARIA
Glycosides of *Vaccaria* **segetalis.** V. Vaccarin. 036883
Glycosides of *Vaccaria* **segetalis.** VI. 036884

VACCINATION
Present state and prospects of the method of **aerosol** *vaccination* of animals. 035208
Chronic respiratory disease of poultry: *vaccination* against **avian** mycoplasmosis with the Mycovax vaccine. 035197
Effects of *vaccination* of **beef** cattle for anaplasmosis [Anaplasma]. 035144
Necessity to slaughter **cattle** *vaccinated* against foot-and-mouth disease. 035020
Study of persistance of foot-and-mouth disease antibodies in calves born from *vaccinated* **cows.** 035024
Post-vaccination immunity to foot-and-mouth disease in the calf. Determination of the optimal moment for the **first** *vaccination.* 035022
Vaccination against **foot-and-mouth** disease of swine in Spain. Field results obtained with an O-C bivalent specific vaccine. 035027
Regimen of specific prophylaxis and diagnostic examinations in swine **husbandry** *[Vaccination].* 035271
Post-vaccination **immunity** to foot-and-mouth disease in the calf. Determination of the optimal moment for the first vaccination. 035022
Vaccination against **Marek's** disease in chicken [Avian lymphomatosis]. 034978
Vaccination as a **method** of foot-and-mouth disease control: An appraisal of the success achieved in Kenya, 1968-1973 [Cattle]. 035028
Neutralizing antibodies of colostral origin in calves born of **mothers** *vaccinated* against foot-and-mouth disease. 035021
Duration of **post** *vaccination* immunity to foot-and-mouth disease in cattle with chronic diseases. Experiments on leukosis and tuberculosis. 035018
Duration of **post** *vaccination* immunity to foot-and-mouth disease. New experimental works [Cattle]. 035019
Summer *vaccination* [Mink, infectious diseases]. 035054

VACCINES
A new development for a potentially improved anaplasmosis [Anaplasma] *vaccine* **[Beef** cattle]. 035143
A feline **calicivirus** *vaccine* combined with feline viral rhinotracheitis and feline panleukopenia vaccine. 035060
Antibody response in sows following intramammary on intramuscular immunization with a killed Escherichia **coli** *vaccine.* 034998
Results of a small scale field trial in Nigerian cattle of foot-and-mouth **disease** *vaccines* produced from local virus strains. 035023
A foot-and-mouth **disease** *vaccine* for swine. 035029
Stability of freeze **dried** *vaccines* against Marek's disease. 034991
The immune response obtained with quadrivalent FMD [footand-mouth disease] *vaccines* in **Kenyan** cattle. 035025
Testing the protective effect of cell-free **lyophilized** *vaccine* against Marek's disease in field trials [Chickens]. 035228
Chronic respiratory disease of poultry: vaccination against avian mycoplasmosis with the **Mycovax** *vaccine.* 035197
An outbreak of Pseudomonas aeruginosa infection in mink in Hokkaido and inoculation with **OEP** *vaccine.* 035120
Oily *vaccines* [Newcastle disease, prevention, chickens]. 034973
A feline calicivirus vaccine combined with feline viral rhinotracheitis and feline **panleukopenia** *vaccine.* 035060
Experimental study of a **rabies** *vaccine* from sheep brain tissue inactivated with ultraviolet rays. 035282
Vaccination against foot-and-mouth disease of swine in Spain. Field results obtained with an O-C bivalent **specific** *vaccine.* 035027
Enhancement of the antigenic activity and virulence of the *vaccine* **strain** E of Rickettsia prowazeki by passages in cell culture [Chick embryos]. 034958
Immunity trial of fowl pox 'BM' **strain** *vaccine* against virulent fowl pox virus (Punjab isolate-1) [Chickens]. 035186
Course of transmissible gastroenteritis (TGE) of swine in a large piglet unit prior to and following the use of Riems **TGE** *vaccine.* 035151
The future of bovine **viral** *vaccines.* 035053

VACCINIUM
A new Coelomycete (Dwayalomella vaccinii gen. And sp. Nov.) [Fungi] from *Vaccinium* **angustifolium** [blueberries] in Canada. 035995

VACUOLE
A survey of different types of *vacuoles* in the **Cyanophyceae[Algae].** 036313
Isolation of *vacuoles* from **yeasts** [Saccharomyces cerevisiae, Candida utilis]. 037105

VACUUM
The bacteriological behavior of beef, *vacuum-packed* in **bags** of differing oxygen permeability, under prolonged refrigerated storage. 033069
Changes in the microbiology of *vacuum-packaged* **beef.** 032073
Some metabolic and biochemical characteristics of representative microbial isolates from *vacuum-packaged* **beef** [Food bacteria]. 032076
Spontaneous appearance of staphylococcal variants during *vacuum* **concentration** of reconstituted skim milk. 032055
Research on heat-mass transfer in processes occurring at phase transformation under *vacuum* **[Food** technology]. 032754
Estimating the efficiency of *partial-vacuum* **inoculation** of barley with Ustilago hordei [covered smut]. 038766
Drying of meat frozen under *vacuum* in a **liquid** coo...
A Proteus inconstans which produced 'cabbage odour' i... bacon. 032072

VAGINA
Vulvo-vaginal **cleft** in a dog. 035339
Evaluation of the use of the **shortened** *vagina* in collecting b... center of Nove Mesto nad Vahom. 034856
Retention rate in cows and heifers of *intravaginal* **silastic** coils in... 034692
A comparison of in-vitro fertilization of rabbit eggs using sperm... **uterus** or *vagina.* 034677

VAGOTOMY
The effects of *vagotomy* on **ventilation** and blood gas composition in ...eep and rabbit. 034165

VALENCE
Relations between *divalent* **cation** binding and ATPase [adenosintriphosphatase] activity in coupling factor from chloroplast [Lettuce]. 037698
Effects of *divalent* **cations** and of catecholamines on the late response of the superior cervical ganglion [Dogs]. 034073
Effect of *monovalent* **cations** on transport of sugars in tissues of sugarbeets. 037425
Influence of ionic strength, pH [hydrogen-ion concentration], and chelation of *divalent* **metals** on isolation of polyribosomes from tobacco leaves. 037521
Vaccination against foot-and-mouth disease of swine in Spain. Field results obtained with an **O-C** *bivalent* specific vaccine. 035027
Photoaffinity labeling of concanavalin A [from jackbeans]: preparation of a concanavalin A derivative with **reduced** *valence.* 037473

VALLEY
Sedimentation in Coon **Creek** *Valley,* Wisconsin [Eroded watershed]. 041388
Peculiarities of soil genesis in the **deltaic-alluvial** *valleys* of Juba and Webi-Shebeli rivers (equatorial Somali). 040614
Effect of Eucalyptus monoculture on the status of soil organic matter in natural sal (Shorea robusta) zone in **Doon** *valley.* 040658
High *valley* pastures of Menotre [Flora]. 035957
Watermelon rind necrosis [Erwinia, Bacillus] in **Imperial** *Valley.* 038855
Chemical control of the sugarbeet cyst nematode [Heteroderaschachtii] in **Imperial** *Valley.* 038965
Cherry harvesting in the **Jerte** *Valley.* 038238
Sorghum midge [Contarinia sorghicola] pest management in the San **Joaquin** *Valley.* 039267
Physical and chemical characteristics of sediments originating from **Missouri** *valley* loess. 041180
Sediment problems in the **Mohave** *Valley*—a case history [Colorado River Management]. 041382
Resistance of Botrytis cinerea to systemic fungicides in the *valley* of the **Mosel** and Saar [Grapes]. 038829
Logging practices under attack in **Okanagan** *Valley.* 035714
Dairy industry in the **Paraibuna** *Valley* Micro Region. 031912
Special courses on dairy industry in the **Paraibuna** *Valley* Micro Region. 033023
The change of groundwater quality in the Upper **Rhine** *Valley* between Spires and Worms. 041457
Areas worthy of protection in the **Rhine** *Valley.* 041674
General and semidetailed studies of the soils of Rionegro and **Rioseco** *valleys* (Cundinamarca Department) [Colombia]. 040692
Plant cover formation on reclaimed meadows in the Lyna **river** *valley* near Olsztyn. 036254
Transformation trends of plant cover and peat sites in **river** *valleys* under the influence of human activity. 036256
[Meadow] plant communities in the Tysmienica **river** *valley* before and after regulation of water conditions. 036257
Alluvial process in reclamation of meadows in the Opatowka **river** *valley.* 038213
Occurrence and production potential of more important kinds of meadows in **river** *valleys* and their reclamation needs. 038215
Process of drying up and differentiation of peat bog meadows in the Notec **river** *valley* [Soils, reclamation]. 038217
Soils of the Euphrates **river** *valley* and their reclamation. 041160
Difficulties in reclamation of **river** *valleys* with mineral soils (exemplified by the Mienia river). 041215
System of open and ground waters on meadows of the Huczwa **river** *valley* near Werbkowice. 041464
Application of Thiery's method of comparison for predictingthe gradient stability of some streams of **Sieve** *Valley* [Flood control]. 041346
Ecological soil-botanical spectra of Solonetz soil complexes of the **Turgai** *Valley.* 036253
Prediction of the first harvesting date of Creole onions inthe Palo **Verde** *Valley* of California. 038280
Mineralogy of topsoils and subsoils from Camp Stream Catchment of the **Waimakariri** *Valley,* New Zealand. 040703

VALUATION
Valuation of **computation** models to determine leakage losses of gear pumps [Equipment]. 040447
Critical comments on the execution and *valuation* of **sub-surface** drainage tests. 041447
The perception and *valuation* of **water** quality: a review of research method and findings. 041427

VALVE
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of *valve* **closure** time [Reservoir, water hammer]. 041316
Motion of both **mitral** *valve* leaflets: a cineroentgenographic study in intact dogs. 034018
An effect of osmotic pressure on the *valve* **morphology** of the diatom Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036338

VANDA
A short note on *Vanda* **hookeriana** Rchb. F. 035988
Vanda **hookeriana** Rchb.f. 1856. 036104

VANESSA
Hawaii's kamehameha butterfly *[Vanessa* **tamemea].** 040085

VANILLA
Methods of quality evaluation of ice-cream and storage behaviour of *vanilla* **ice** cream. 032951

VAPOR
Induction of sterility in male houseflies [Musca domesticus] by *vapors* of **Acorus** calamus L. oil. 039493
Strength of individual fibers treated with the flame retardant THPOH-NH3 [tetrakis(hydroxymethyl) phosphonium hydroxide with an **ammonia** *vapor* cure]. 031959
Petroleum hydrocarbon toxicity studies. VIII. Animal and human response to *vapors* of "140 **degrees** flash aliphatic solvent". 035444
Petroleum hydrocarbon toxicity studies. VI. Animal and human responses to *vapors* of "60 **solvent".** 035442
Petroleum hydrocarbon toxicity studies. VII. Animal and human response to *vapors* of "70 **solvent".** 035443

Soybean lecithin **per** from fluttering [citrus] leaves within a plant canopy. Field observations
Organized coopy experiments. 037797
ing indus**water** *vapour* trapping during freeze-drying [Food]. 032735
Introduuson of the changes in net photosynthetic CO2 [carbon dioxide] uptake and **water** 04*pour* efflux during leaf ontogenesis with the differences between the [tobacco] leaves T according to their descending insertion level. 037367

VARIANCE

Genetical considerations in large field experiments [**Error** *variance].* 034590
A design III study of linkage disequilibrium for percent oil in maize [**Genetic** *variance].* 036419
Changes of scale in the study of the evolution of the **genetic** *variance* through selection in Tribolium castaneum. 039614

VARIEGATED

Meiosis in *variegated* and **anthocyaninless** varieties of Rhoeo [spathacea]. 036570
Nonnuclear mutations in sunflowers. III. Unusual somatic segregation of plants with *variegated* **leaves.** 036684

VARIETIES

Forage yields of different **alfalfa** *varieties* in pure stands and in mixtures with grasses. 037972
Balance of comparative [cotton] variety tests in Togo, 1971to 1973. Replacement of **Allen** 331-61 *variety.* 037995
Botanical tulips [Tulipa] for the **amateur** *[Varieties].* 038486
Meiosis in variegated and **anthocyaninless** *varieties* of Rhoeo [spathacea]. 036570
The effect of light on the vegetative and generative development of further five **apple** *varieties,* grown on M4 rootstocks. 037644
Agrobiological features of Richared Delicious **apple** *variety.* 037840
Pourella and Priam, two new **apple** *varieties* recently inscribed in the [French] Official Catalog. 038263
Apple *varieties* and culture in China. 038395
Studies on the microspore genesis date in some *varieties* of **apples** and pears. 037725
Toxicity threshold of soil salts for some *varieties* of **apples.** 038960
Frost resistance of new **apricot** *varieties.* 037841
Native azaleas at the Morris **Arboretum** *[Varieties].* 035992
Varieties of **autumn** rape. 038169
The mitotic activity of germinating seeds of **barley** *varieties* differing in their cold resistance. 036371
The inheritance of resistance to Ustilago nuda (Jens). Rostr. in a highly immune **barley** *variety* Jet in relation to the biotypes of loose smut, occurring on the area of Poland. I. Mechanism of inheritance. 036500
The inheritance of resistance to Ustilago Nuda (Jens.) Rostr. in a highly immune **barley** *variety* Jet in relation to the biotypes of loose smut, occurring on the area of Poland. II. Linkage of resistant genes with morphological characters of an ear. 036501
University of California Signal **barley** *[Varieties].* 037987
Winter **barley,** 1974 *[Varieties].* 038128
Resistance of indigenous and exotic **barley** *varieties* to races of black rust (Puccinia graminis). 038661
The reaction of spring **barley** *varieties* to Selenophoma donacis [the cause of halo spot disease]. 038822
Resistance to anthracnose [Colletotrichum lindemuthianum] of introduced and local specimens of garden **bean** *varieties* under the Sofia region conditions. 038633
Productivity and feeding value of [sugar and forage] **beet** *varieties* and hybrids. 038062
Sugarcane with regard to mythology, history and technique [Culture, *varieties,* **Brazil].** 037984
On newly **bred** *varieties* of mazzard cherries in the southern Ukraine. 038474
Fruit roses with a high content of vitamin C [Rosa rugosa, Rosa canina, Rosa damascena, **breeding,** *varieties].* 038557
Q87—a new [sugarcane] *variety* for **Bundaberg.** 037990
Selection 233—an excellent **carrot** *variety* for the plains. 038437
Cereal *varieties* for 1976. 037950
Cereal *varieties* of Upper Austria—Salzburg (local varieties). 038176
Comparative performance of **certain** *varieties* of forage oats. 038030
NA 56-62, a [sugarcane] *variety* to be **checked.** 037982
Effects of pruning severity and frequency and fertilizer levels on growth and quality of Juniperus **chinensis** *varieties* 'Pfitzeriana' and 'Hetzi'. 038455
Investigations on the progress of drying of grasses and *varieties* of **clover** under limited time and temperature conditions. 033588
"+ colchicine" *[Varieties].* 038269
Peach *[varieties]* for **consumption** and for processing, nectarines: situation and prospects for culture in Italy, according to results of a special survey. 038385
Seven **cordages** *varieties* of abaca [Fiber analysis]. 033226
Results with the extrusion of **corn** *varieties* grown in the Federal Republic of Germany. 033235
Determining available lysine content in **corn** *varieties* of Upper Austria. 037597
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in two **cotton** *varieties* resistant to wilt [caused by drought]. 037426
Change of the proportion of phosphororganic compounds in Tashkent 2 **cotton** *variety* as affected by moisture deficit. 037566
Dynamics of the formation and fall of fruit elements in different **cotton** *varieties* and forms. 037571
Growing ground **covers** *[Varieties].* 038351
Inheritance of flour protein content in a wheat **cross** between C 273 X S 308 *[Varieties].* 036605
Comparative evaluation of certain foreign **cucumber** *varieties.* 038228
Relationship of irrigation with cultured **cucumber** *variety* and with the climate. 041221
Behavior of (brachytic-2) Piranao maize and normal-sized maizes at different nitrogen and plant density levels **[Culture,** *varieties].* 038004
World prospects of triticale growing (review) **[Culture,** *varieties].* 038158
The canning peach in Murcia **[Culture,** *varieties].* 038241
Spelt content of brewing barley as a quality **determining** *variety* characteristics. 033280
Oleasters—overlooked landscape treasures **[Elaeagnus,** *varieties].* 038336
Broad-leaved **evergreens** *[Varieties].* 038259
The effect of interval between harvests and nitrogen application on the proportion and yield of crop fractions in four ryegrass [Lolium] *varieties* in the **first** harvest year. 038048
Agrobiological and technological studies on new promising fiber **flax** *varieties.* 038130
Sericea [Lespedeza cuneata]-grass mixtures **[Forage** *varieties].* 037992
In search of new **fruit** *varieties:* nectarines. 038239
"Summerred" and "Aroma" pointed out as other **fruit** *varieties* [Apples]. 038329
Evaluation of the amino acid content and the proximate composition of several *varieties* and **grades** of peanuts. 033571
Comparison of the digestibility of various sorghum **grain** *varieties* [Beef cattle]. 034439
Performance of Setaria italica (L.) P. Beauv. (Foxtail millet) *varieties* for **grain** production. 038082
Nebraska spring small **grain** *variety* tests, 1975. 038093
Grape *variety,* wine quality and production efficiency. 033459
Dynamics of the formation of tannin-like substances in the skin, seeds and juice of the berries of some wine **grape** *varieties.* 037720
The wine cellar of Italy **[Grape** *varieties,* wine types]. 038237
Establishing a suitable method of reconstructing existing vineyards of the Cabernet Sauvignon **grape** *variety* with inter-row space of 2 meters. 038356
Affinity conditions in the **grape** *varieties* of southern Moravia. 038407
Stabilization of harvest of the **[grape[** *variety* Neuburger by means of inhibiting substances and spraying with ammonium molybdate. 038412
Dry binding of grapevines of table **grape** *varieties.* 038467
Late-ripening peach cultivars: remarks on some new cultivars that should replace the *[variety]* J. H. **Hale** [in Italy]. 038383
Effect of *variety* and **harvest** date on tuber sugars and chip color [Potatoes]. 033324
Rhododendrons in **Hawaii** *[Varieties].* 038354
Graft combinations of a number of cultivated **hazelnut** *varieties* on the rootstock Corylus colurna L. 038408
New yeast species and *varieties* **hitherto** described in Japan. 036035
Plants for fall color **[Horticultural** *varieties].* 038260
Time for thoughts on autumn growing **[Horticultural** *varieties].* 038517
Varieties and **hybrids** of agricultural crops cultivated under conditions of irrigation [Wheat, barley, soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Carotenoids of pecan nutmeats [Carya **illinoinensis,** *varieties].* 038359
Intrapopulation variability of isozyme spectrum of peroxydases in *varieties* of **inbred** lines of radish. 036521
The production [of grain] of strong wheat *[varieties]* is **increasing** [in the Krasnodar territory]. 038201
All kinds of observations on the high beard **iris** *[Varieties].* 036143
Effects of the date of sowing of Mironovskaia iubileinaia and **Kavkaz** *varieties* [of winter wheat on the yield and its quality]. 038192
Nutritional status of the grapevine (Vitis vinifera L., *variety* **Lambrusco** Salamino) expressed by means of foliar analysis of macro- and microelements. 040867
What's new in growing cos **lettuce?** *[Varieties].* 038349
Selection of **lettuce** *varieties.* 038515
Content and chemical composition of saponins in three **local** *varieties* of hybrid alfalfa (Medicago media Pers.). 037500
Cereal varieties of Upper Austria—Salzburg **(local** *varieties).* 038176
Comparison of the digestibility and nutritive value of trench silage of Funk's G-Waxy 3 and Dekalb XL 316 **maize** *varieties* [tested on ruminants]. 034284
"Nagykalloi aranymazsola" maize *[Varieties].* 037947
Selection of a new **maize** *variety.* 037958
Determination of wheat gluten content with "gluto matic" considering the problem in relation to *varieties* and **marketing.** 033231
53.8 centners per hectare [of winter wheat **Mironovskaia** *808variety].* 038212
Garden **Montbretia** *varieties.* 038488
Chinchillas. XXVII [Breeding, **mutations,** *varieties].* 034842
The flowers honey comes from [Honey plants, *varieties,* **nectar** flow, apiculture]. 038546
New *varieties* of rapeseed as a source of proteins. 033222
New *varieties,* problems with wheat breeding. 036531
A **new** *variety* of winter barley, Miraj 1. 038104
Rapid seed multiplication of **new** *varieties* of cereals. 038116
New *variety* rundown [Soybeans]. 038156
Punjab sunehri—a **new** *variety* of muskmelon. 038435
Nitrogen and dry-matter accumulation in high lysine and **normal** *varieties* of barley. 037470
Hard wheat *[varieties]* for **north-central** Italy. 038045
A rarely seen small perennial [Lewisia] in the southwesternarea of **Norway** *[Varieties].* 038417
Oat *varieties* for 1976. 037942
New pigeon peas for **old** *[Varieties].* 038042
Effect of uncontrolled conditions on the preservation of sets of some **onion** *varieties* [Growth, bolting]. 037721
Peonies **[Paeonia,** *varieties].* 038490
Comparative study of U-shaped top and palmate trained treesof the Dixie Gem **peach** *variety.* 038355
Determination of maturity in 'Le Conte', 'Shoubra' and 'Pine Apple' **pear** *varieties.* 037642
Nut quality of selected **pecan** *varieties* grown in south Alabama. 033358
New ornamental **plant** *varieties* in 1975. 038314
The introduction, growth and landscape performance of new plants for Oklahoma [Ornamental **plant** *varieties].* 038457
Iron and manganese status of citrus trees grown in Egypt inrelation to location, *variety,* and **plant** organ. 040906
Inquiries on the flower biology of the Burmosa plum and of some *varieties* **pollinating** it. 037838
Effects of cold treatments on the sprout growth of three **potato** *varieties.* 037761
Reaction of sweet **potato** *varieties* to the damage of the weevil, Cylas formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
Effect of fertilization on yield and composition in different **potato** *varieties.* III. Effect of fertilization and rainfall on tuber number per plant and its correlation with yield in different potato varieties. 041021
Methanol in [grape] wines in relation to **processing** and *variety.* 033322
Systematizing the tomato, or more punch for pizza *[Varieties* for **processing,** mechanization]. 038533
Barley for malting *[Varieties,* **production].** 037956
Swedish hothouse research with lettuce indicates many **promising** *varieties.* 038330
Recent history of the improvement of **rape** *[Varieties].* 037945
Investigations on the biological features of eight **raspberry** *varieties* under the Troyan microregion conditions. I. Dynamics of growth. 037722
Formation of bulbs in bulb onion as affected by the photoperiodic **reaction** of *varieties.* 037851
Storage experiments with strawberries of the *variety* **Red** Gauntlet. 033432
Behavior of four bush **redpepper** *varieties* treated with insecticidal oils for retarding potato virus Y. 038935
A sample survey on the performance of high yielding and local paddy [rice] *varieties* in **relation** to the agronomic practices at Mangalore. 038083
Comparative study of Nicotiana tabacum [tobacco] *varieties* in **relation** to root knot nematodes. 038949
Some **remarkable** *varieties* of table plums cultivated in Greece. 038333
Plant [fungus] disease toll is cut with **resistant** *varieties.* 038831
Process of dry matter accumulation into the kernel and grain characteristics of Japonica and Indica **rice** *[Varieties].* 033288
Pleiotropic effect of waxy gene in indica **rice** *[Varieties].* 036579
Rice *varieties.* 037957
Reflexions on the choice of the parents and some ways of developing new **rice** *varieties* (Oryza sativa L.). 037964
Biochemical changes in leaves of different **rice** *varieties* due to tungro virus infection. 038908
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [rice tungro virus] infected **rice** *varieties.* 038909
Rhododendron kaempferi and its **rich** *variety.* 036123
The reaction of some apple rootstocks and *variety* + **rootstock** combinations to soil fatigue. 041142
Evaluating feed qualities of **rye** *varieties.* 033584
The activity of alpha-amylase in the ripening grain of different **rye** *varieties* as affected by some environmental factors. 037505
What affects the yields of Belta **[rye** *variety].* 038205
Wine of the Khindogny and **Saperavi** *varieties* in the Kuban Territory. 033464
Properties of the polyphenol oxidase of grapes of the Cabernet **Sauvignon** *variety.* 033343
Management of Serala sericea (Lespedeza cuneata) for forage and **seed** *[Varieties].* 037991
Diallel cross experiment among **Sikkimese** *varieties,* indica and japonica testers of rice, Oryza sativa L. III. Morphological characters. 036582
Development of the [sugarcane] *variety* **situation** from 1968 to 1974. 038086
Plot tests of 29 *varieties* of **soft** wheat [in north-central Italy]. 038046

Here come the new **sorghums** *[Varieties].* 038041
1975 Wisconsin **soybean** *variety* test. 037943
Behavior of ten **soybean** *varieties* in different environments of Rio Grande do Sul State. 038005
Changes of protein fractions in the ontogenesis of four lupin species studied by immunological methods. I. Differences in the seed protein fractions of the studied lupin **species** and *varieties.* 037437
Effects of type and *variety* and **stage** of maturity on feeding values of cereal silages for lambs. 034412
Aztekium ritteri Boedeker **[Succulents,** *varieties].* 038496
Crassula cv. "Isabella", a new hybrid **[Succulents,** *varieties].* 038497
Haworthia **[Succulents,** *varieties].* 038498
Notocactus H 339 **[Succulents,** *varieties].* 038500
Notocactus H 80 **[Succulents,** *varieties].* 038501
Trichocereus fulvilanus Ritter, some more **[Succulents,** *varieties].* 038503
Wigginsia horstii **[Succulents,** *varieties].* 038504
Wigginsia macrogona **[Succulents,** *varieties].* 038505
Effect of sodium metasilicate (foliar application) on juice quality, fiber and yield of **sugar** in Co. 419 *[variety].* 040984
Fermented juice of some **sugarcane** *varieties.* 033283
Drought resistance of **sugarcane** *varieties* (Saccharum spp.). 037379
The old nobles **[Sugarcane** *varieties].* 038281
Screening of promising **sugarcane** *varieties* for resistance to smut by Ustilago scitiminea Syd. in the Punjab. 038722
Effect of agallol and telodrine on germination, telererring and yield of different *varieties* of **sugarcane** in UDIC soils of Jamuna Nagar. 039551
D.Y. 2—a new improved dwarf **sunflower** *variety.* 038019
Biochemical changes in a resistant and **susceptible** *variety* of watermelon due to infection by Alternaria cucumerina. 038675
Many new [field crop] *varieties* from **Svalof.** 038165
Performance of **sweetpotato** *varieties* against Fusarium wilt. 038701
Callus formation and organogenesis of mature cotyledons of Linum usitatissimum L. *variety* **szokijskij** [flax] in vitro culture. 037436
Lesions by hepatitis-B [virus] antigen-containing sera in tobacco plants (Nicotiana **tabaccum** *variety* Xanthi). 038906
The results of anatomical and microchemical analyses of the roots of the **Tbilisuri** *variety* in relation with resistance to Phylloxera [vitifoliae]. 039367
Balance of comparative [cotton] *variety* **tests** in Togo, 1971to 1973. Replacement of Allen 331-61 variety. 037995
Correlation between the weight of root and sugar content in di- and **tetraploid** *variety* line sugarbeet hybrids. 037570
The role of abscisic acid in bud dormancy of di- and **tetraploid** *varieties* of grapevines. 037883
Kleingrass on the move in west central **Texas** *[Varieties].* 038155
Evaluation of various forages of Brassica species for **theirnutrients** *[Varieties].* 038032
Nutritional value of **three** *varieties* of alfalfa hay from two harvest systems. 034483
A comparative study of the effects of photoperiod on flower bud development and stem elongation in **three** *varieties* of Phaseolus vulgaris, L. [Kidney beans]. 037630
Quantitative and qualitative variations in leaf-surface wax in **three** *varieties* of wheat varying in susceptibility to blight caused by Alternaria triticina. 038708
Morphologo-anatomical features, yield and quality of Jebel Basma 359 **tobacco** *variety* as influenced by soil. 038135
Physiobiochemical characteristics of **tomato** *varieties* differing in earliness. 037666
Performance of 12 **tomato** *varieties* at Tandojam. 038231
An economic model for selection of [forest] **tree** *varieties* [Fagus, Picea abies]. 035641
Relative fruit-bearing of apple **tree** *varieties.* 038475
Protein quality of **two** *varieties* of high lysine maize fed alone and with black beans or milk in normal and depleted weanling rats. 032306
Susceptibility of different *variety* **types** of [table] beet to storage rot [Botrytis cinerea] nicity [Botrytis cinerea]. 038810
Further experimental contributions to using plastic films for bleaching and mulching chicory (Cichorium intybus L.), *variety* **Variegato** di Castelfranco. 038464
Oil of the seeds of the cotton plant of *variety* AN-401. 033212
Agroindustrial characteristics of some commercial [sugarcane] *varieties.* I. 037979
Application of two epidemiological models for the identification of slow stem rusting [caused by Puccinia graminis tritici] in wheat *[varieties* of **varying** susceptibility]. 038762
New **vegetable** *varieties* in 1975. 038315
Investigations on the effect of training on the grape structure of *variety* **Veltliner** Fruhrot. 038410
Variety **verifications** of sweet cherries. 038409
"F" vetch *[Varieties].* 037946
Ways of improving the set of *varieties* in **vine** plantations in the Ukraine. 038526
Comparative serological studies in barley (Hordeum **vulgare** L. s l.) *[Varieties].* 038014
Watermelon *variety* trials in Arkansas. 038268
Effect of milling and baking on the retention of thiamine and riboflavin in some new **wheat** *varieties* of Pakistan. 033142
Tests of male fertility restoration in some common **wheat** *varieties* (Triticum aestivum L). 036382
Results of applying the individual selection method in maintaining **wheat** *varieties.* 036631
Activity of amino transferases in the roots of **wheat** *varieties* of different productivity. 037421
Prospects of the use of the fluorescent spectroscopy method to evaluate the potential productivity of **wheat** *varieties.* 037574
Use of yield potentials of Soviet **wheat** *varieties* in the Czechosovak Socialist Republic. 038040
Winter crops **[Wheat** *varieties].* 038067
Behavior of winter **wheat** *varieties* under conditions of the agricultural year 1973/1974. 038107
Winter **wheat,** 1974 *[Varieties].* 038129
Study of biological and commerical properties of new winter soft **wheat** *varieties* developed by interspecific hybridization. 038179
Results of winter **wheat** *variety* testing from autumn fallow. 038180
Mironovskaia **wheat** *[variety].* 038195
Relative reaction of different *varieties* of **wheat** to flag smut [Urocystis tritici] in Punjab. 038709
Creation of **wheat** *varieties* in relation to the dynamics of the racial composition of brown rust [Resistance breeding]. 038828
Regeneration in winter **wheat** *varieties* differing by winter hardiness after mechanical damages. 038976
Susceptibility of some soft and hard **wheat** *varieties* to herbicides used for control of [weedy] grasses. 039097
Influence of some herbicides on the content and composition of nitrogen fractions in grain of several **wheat** *varieties;* report. 039149
Yield and protein content of **wheat** *varieties* (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. 039169
Hessian fly [Mayetiola destructor] biotype distribution, resistant **wheat** *varieties* and control practices in hard red winter wheat. 039263
Changes in certain qualitative features of winter **wheat** *varieties* as a response to fertilization and irrigation. 041020
Study of frost resistance and regenerative ability of certain white **wine** *varieties* of grapes grown with high-training in the Pleven District. 037726
Corn and grain sorghum performance tests, 1976 *[Varieties,* **yields].** 038141
Field crops performance tests cotton-forage crops summer annuals, peanuts-soybeans, tobacco, 1975 *[Varieties,* **yields].** 038142
A classification of hardy North American apple cultivars based on hardiness **zones** *[Varieties].* 038299

VARNISH

Efficiency of **enamel** *varnish* insulation on stator windings during operation of electric pumps in water [Farm equipment]. 040392

VARROA

Methods for application of Varoazin *[Varroa* **control,** pests, honeybees]. 040263
Naphthaline for *Varroa* **control** [Honeybees, pests]. 040264
Therapeutic preparations for *Varroa* **disease** control [Apis mellifera]. 040280
Let us close the discussion on *Varroa* **infestation** [of honeybees]. 040261

VAS

Beta-adrenergic receptors in *vas* **deferens** of guineapigs. 033968

VASCULAR

Cell length variation in the secondary phloem of Dalbergia spp. with increasing age of the *vascular* **cambium.** 036270
Effects of epinephrine on resistive and compliant properties of the **canine** *vasculature.* 034014
The natural history of Namoluk Atoll, eastern Caroline Islands, with identifications of *vascular* **flora.** 035963
Vascular **plants** of montane coniferous forest in San Bernardino Mountains, California. 036059
Vascular **plants** of the Auckland Islands. 036071
Chromosome numbers of *vascular* **plants** from Macaronesia. 036333
The quiescent center and **primary** *vascular* tissue pattern formaton in cultured roots of Zea [mays, maize]. 036295
The effects of indomethacin on the **pulmonary** *vascular* response to hypoxia in the premature and mature goat. 034155
Gamma-aminobutyric acid receptor on *vascular* **smooth** muscle of dog cerebral arteries. 033835
New technique of measurement of effective capacity changes of **total** *vascular* bed [Dogs]. 034134

VASECTOMY

A simplified technique for *vasectomy* of **heat** check boars [Surgery]. 034913

VASOPRESSIN

Changes in urinary water and electrolyte excretion in sodium-loaded sheep in response to intravenous infussion of **arginine** *vasopressin.* 034159

VASOTOCINS

Changes in blood **arginine** *vasotocin* level after osmotic stimuli in domestic fowl. 033713

VATS

Study of the work of red wine vats: "self-emptying" vats and *vats* with **improved** manual emptying. 033490
Wine manufacture in *vats* with **lids.** 033696
Study of the work of red wine vats: **"self-emptying"** *vats* and vats with improved manual emptying. 033490

VEAL

Changes in the nutrient and energy content in defined parts of the *veal* **calf.** 032512

VECTORS

The effect of a long contact of the population of fleas [Xenopsylla cheopis] with plague Bacteria on the infection **activity** of *vectors.* 039503
Some aspects of the relationship between mung bean yellow mosaic virus and its *vector* **Bemisia** tabaci. 038912
DDT-resistance status and the effects of DDT exposure in relation to the *vectorial* **capacity** of Aedes aegypti (L.) for Brugia pahangi (Buckley and Edeson). 039444
Bark-beetle-fungal symbiosis. III. Ultrastructure of conidiogenesis in a Sporothrix ectosymbiont of the southern pine beetle [Dendroctonus frontalis, *vector* of **Ceratocystis** minor]. 039385
Occurrence of lipoprotein lipase in the fat-body of Triatomamaculata *[Vector* of **Chagas'** disease]. 039452
A study of the host selection patterns of the mosquitoes of the Kisumu area of Kenya *[Vectors* of **disease** to man]. 039511
Mosquitoes *[Vectors* of **diseases].** 039461
Two new western Culicoides (Diptera: Ceratopogonidae) which are *vectors* of **filaria** in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. 040003
Ferritin in **insect** *vectors* [Cicadulina mbila] of the maize streak disease agent electron microscopy and electron microprobe analysis. 038923
Problems of **insect** *vector* control. 039224
Significant recent advances in biological control of *vector* **insects** [Pests of livestock and man]. 039439
Studies with cowpea aphid-borne mosaic virus and its effect on cowpea in **Iran** *[Vectors].* 038932
Studies on a virus causing mosaic disease of chilli [Aphis gossypii, Aphis craccivora, Myzus **persicae** *vectors].* 038907
Lutzomyia vespertilionis (Diptera: Psychodidae): **potential** *vector* of chiropteran trypanosomes in Panama. 039480
Chemical control of the tomato spotted wild **virus** *vector* in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937

VEGETABLE

Heat exchange during cooling fruit **and/or** *vegetables* in stacks or in bulk. 033347
Taste substances in foods. V. Organic acids in *vegetables* **[Asparagus,** Aralia elata, Pteridium aquilinum, Osmundastrum cinnamomeum]. 033409
Suggestions and recommendations for completing the *vegetable* **assortment** [Cultivation]. 038321
Some taxonomical and biological observations of the aphids caught on the *vegetables* in **autumn** season. 040000
Host range of the black cutworm [Agrotis ipsilon] on *vegetables:* a **bibliography.** 039322
Improving food values of *vegetables* [through **breeding].** 036535
Tasks on the development of the Oderbruch area into an areaof **concentrated** *vegetable* growing. 038323
A contribution to the application of the plant-growth regulator chlorocholine chloride (CCC) in *vegetable* **crops.** 2. Biochemical studies in the metabolism of CCC in kohlrabi, cauliflower, and tomatoes). 037824
Virus diseases of *vegetable* **crops** in Apulia. XVIII. Shoe stringing of broadbean (Faba vulgaris Moench. var. major). 038915
Plant introductions in the improvement of *vegetable* **cultivars.** 036537
The economic value of *vegetable* **cultivation** [Management]. 031292
The economic value of *vegetable* **cultivation.** 031293
Seasonal notes *[Vegetables,* **cultivation].** 038342
Effective plant protection in *vegetable* **culture.** 039009
Market for **dehydrated** *vegetables* still poorly developed in Switzerland and Sweden. 031656
Refrigeration equipment [in fruit and *vegetable* **delivery]:** how it works, what it does. 033404
International standardization of fruits, *vegetables* and their **derived** products [Grading]. 031983
Tasks of forced and **early** *vegetable* production in Frankfurt(Oder) county to improve supplying the people in the German Democratic Republic, Berlin, and in the working class centers of Frankfurt County. 038322
If not tomatoes...what **else?** *[Vegetables].* 038257

Thoughts on the **fertilization** of some *vegetables.* 041083
Phytosanitary measures in concentrated, industrial **field** *vegetable* production. 038983
Yield-related mineral fertilization for efficient use of mineral fertilizers in **field** *vegetable* production. 040943
Experience and recommendations regarding the expanded reproduction of soil fertility in industrial **field** *vegetable* production. 041152
Basic and purchase prices for fruit and *vegetables* for the 1975/76 **fiscal** year [European Economic Community]. 031651
Flavonols and flavones of *vegetables.* V. **Flavonols** and flavones of root vegetables. 033484
5000 years production of *vegetables,* **flowers,** and plants for house and garden for a value of 550 million kroner. 031295
A market potential for **fresh** *vegetables.* 031732
Plastic container board containers for **fresh** *vegetables* [Packaging]. 033401
Microscopic structure of **frozen** *vegetable* products: an aspect of practical interest. 033348
Structural modifications in **frozen** *vegetables.* 033349
Structures for plant production. 2. [Storage, **fruit,** *vegetables].* 040373
Who needs rail transportation? [Fresh **fruits** and *vegetables].* 031673
Vegetables and **fruits** in the consumers index. 1. 031738
Palletization or unitization in the transportation cycle [of fresh **fruits** and *vegetables].* 033399
Palletization-unitization of fresh **fruits** and *vegetables.* 033400
Evaluation of the precision of measuring respiration intensity of different plant species **[Fruits** and *vegetables].* 037614
Growth regulators in control of post-harvest fungal diseases of **fruits** and *vegetables.* 038689
Vegetable **garden** pests. 038963
Vegetable **gardening** in containers [Culture]. 038414
Weed control in *vegetables* under **glass.** 039187
Effectiveness of fertilizers on perennial stands on terraces **[Grapes,** *vegetables].* 041088
The most appropriate moisture content of *[vegetable,* **grass,** legume and flower] seeds for their long life span [Viability]. 037848
Plant protection practices and problems of *vegetable* **growers** in Bangalore District. 039038
Preliminary experience in the concentration and specialization of vegetable production and the development of self-contained areas of *vegetable* **growing.** 031289
Results and experience regarding the development of *vegetable* **growing** in the farming sector of Berlin. 038317
Plant improvement work with *vegetables* at **Hammenhog** Department [Breeding]. 036700
On phenolic acids of *vegetables.* I. **Hydroxycinnamic** acids and hydroxybenzoic acids of Brassica-Species and leaves of other Cruciferae. 033485
On the phenolic acids of *vegetables.* IV. **Hydroxycinnamic** acids and hydroxybenzoic acids of vegetables and potatoes. 033487
On the phenolic acids of *vegetables.* II. **Hydroxycinnamic** acids and hydroxybenzoic acids of fruit and seed vegetables. 033488
On the phenolic acids of *vegetables.* III. **Hydroxycinnamic** acids and hydroxybenzoic acids of root vegetables. 033489
Greater demands for seed quality on the transition to **industrial** *vegetable* production. 038306
Experience regarding the organization of **joint** *vegetable* production in the "Lobitzgemuse" cooperative institution, Micheln. 031285
Studies on market diseases [caused by fungi] of *vegetables* in **Karnataka** State. II. 038749
Effect of processing and storage conditions on the stability of chlorophyll and beta-carotene content of green **leafy** *vegetables* available in northern India. 033393
A simple method for the estimation of the ash of *vegetable* **matter** during raw-wool testing. 033091
New *vegetable* varieties in 1975. 038315
Norwegian *vegetable* imports. 031619
On the degree of *vegetable* **oil** oxidation in production of canned goods. 032917
Comparison of oxalic acid and phosphoric acid as degumming agents for [rapeseed, soybean] *vegetables* **oils.** 033254
Pigments of the *vegetable* **organs** of soft winter wheat plants with cytoplasmic male sterility. 036466
Symphylids [Symphyla, *vegetable* **pests].** 039310
The transpiration method of measuring heat resistance of *[vegetable]* **plants.** 037868
On the phenolic acids of vegetables. IV. Hydroxycinnamic acids and hydroxybenzoic acids of *vegetables* and **potatoes.** 033487
Fruit and *vegetable* **processing** industry in Turkey [Economic aspects]. 031196
Fruit and *vegetable* **processing** in Germany in 1974 (Statistics). 031761
Aspects of the Portuguese fruit and *vegetable* **processing** industry in 1974. 031852
Development of the Finnish fruit, berry and *vegetable* **processing** industry in 1974. 031853
Development of the fruit and *vegetable* **processing** industry in Greece. 031854
Fruit and *vegetable* **processing** industry in Austria in 1974. 031855
Fruit and *vegetable* **processing** industry in Spain. 031856
Fruit and *vegetable* **processing** industry in Israel. 031857
The fruit and *vegetable* **processing** industry of the Netherlands in 1974. 031859
The Italian fruit and *vegetable* **processing** industry in 1974. 031860
Nature and application of pectinases with special reference to fruit and *vegetable* **processing** industry. 033394
Market regulation of *vegetables* **produced** during the current season. 031622
5000 years work; **producing** *vegetables,* flowers, and plants for house and garden for a value of 550 million kroner [Agricultural administration]. 031296
Preliminary experience in the concentration and specialization of *vegetable* **production** and the development of self-contained areas of vegetable growing. 031289
State and development of *vegetable* **production** in the GermanDemocratic Republic. 038285
Grossbeeren, unity of teaching and research in *vegetable* **production.** 038308
The development of the Institute of *Vegetable* **Production,** Grossbeeren, a vivid example of the evolution of agricultural sciences in the German Democratic Republic. 038324
25th anniversary of the Institute of *Vegetable* **Production,** Grossbeeren, of the Academy of Agricultural Sciences of the German Democratic Republic. 038326
Development prospects of mechanization of *vegetable* **production.** 040478
Fruit and *vegetable* **products** in foreign trade in the first semester of 1975. 031655
Preparations and preserved fruit and *vegetable* **products** for imports into the area of the Organization for Economic Cooperation and Development. 031657
Regulation of the European Economic Committee with third countries for fruit and *vegetable* **products** [Imports, prices]. 031658
Increasing the marketability of fruit and *vegetable* **products.** 031741
Refrigeration & transportation [Meat and *vegetable* **products].** 032843
Vegetable **protein** for combating protein malnutrition in developing countries. 032334
Business stipulations for trade with fruit and *vegetables* **[Quality** control]. 032046
Containers for storage and transport of fruit and *vegetables* **[Research** projects, Italy]. 031675
Behavior and fate of ethylenethiourea in plants [Dithiocarbamate fungicides, **residues,** *vegetables].* 039555
Radiation stimulation of seeds [of field crops and *vegetables];* **results** of five years of experimentation. 037462
Flavonols and flavones of vegetables. V. Flavonols and flavones of **root** *vegetables.* 033484
On the phenolic acids of vegetables. III. Hydroxycinnamic acids and hydroxybenzoic acids of **root** *vegetables.* 033489
On the phenolic acids of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of fruit and **seed** *vegetables.* 033488
Fruit and *vegetable* **[shipping]** container guide. 033370
Careful preparation, a major condition for reducing losses on **storage** *[Vegetables].* 033372
Count and species composition of microorganisms on **stored** *vegetable* seeds [Tomatoes, melons, celery, onions, bacteria, molds]. 038859
Rational distribution **system** for *vegetables.* 031697
The microscopic study of *vegetable* **tissue** during freezing and thawing. 033351
A realistic look at unitization for the produce industry [Fruits and *vegetables,* **transportation** equipment]. 031664
Foreign trade with *vegetables* in 1974. 031654
Annotated bibliography on the use of light (UV [ultraviolet], visible and IR [infrared]) in assessing the quality, maturity or defects in fruit and *vegetables,* 1967-1974. 033445
Experiments for producing fodder from *vegetable* **waste** in Cuba. 033509
Choosing and using **western** *vegetables* [Recipes]. 032446

VEGETARIANS

A guide to good eating the *vegetarian* way. 032617

VEGETATION

A theoretical relationship between the primary productivity of *vegetation* and its **ability** to tolerate trampling. 036178
Effect of grazing in **alpine** *vegetation* on Hardangervidda, South Norway. 037494
Ecological studies of the Towada-Hakkoda **area** *[Vegetation].* 036205
Vegetative-floral **balance** in coffee. III. Effect of thinning of blossom on set and bean size. 038548
Defining the sediment trapping characteristics of a *vegetative* **buffer.** Special case: road erosion [Soil conservation]. 041176
Extractable protein from the **by-product** *vegetation* of some cole and root crops. 033325
Differences in *vegetative* **characteristics** among four populatons of Senecio vulgaris L. possibly due to interspecific hybridization. 036388
The *vegetation* and **chemical** properties of patterned fens in the Swan Hills, north central Alberta. 036186
Glenamoy, Ireland *[Vegetation* **community].** 036192
South Georgia, Subantarctic *[Vegetation* **community].** 036200
Stordalen (Abisko), Sweden *[Vegetation* **community].** 036201
Application of the energy principle to determine the amount of *vegetation* **consumed** by Orthoptera in the mountain pastures of eastern Georgia. 036249
The relationship between the distribution of spider and *vegetation* **cover** in the middle taiga of the Ural region. 039696
Influence of *vegetation* **covering** on natural groundwater recharge as exemplified by the lysimeter system of Saint Arnold near Rheine (Westphalia). 041450
Evolution of mineral nutrition of Hevea in the Ivory Coast in function of *vegetative* **cycle** according to foliar diagnosis. 040957
A multivariate ordering of *vegetation* **data** based on Gaussian type gradient response curves. 036218
Data transformations in ecological ordination. II. On the meaning of *[vegetation]* **data** standardization. 036220
Lipid geochemistry of recent sediments from the Great Marsh, Lewes, **Delaware** *[Vegetation].* 036172
On subzonal *[vegetation]* **division** of forest zone in the Tomsk region. 036181
Drought damage on Mount Towrong, Victoria *[Vegetation,* **ecology].** 036245
A survey of tracks and paths in a sand dune **ecosystem.** II. *Vegetation.* 036216
Vegetative **endocarditis** in a cow [Cornyebacterium pyogenes]. 035088
Investigations of [Delaware] coastal land use and *vegetation* with **ERTS** [Earth Resources Technology Satellite]-1 and Skylab-EREP. 031211
Anegada Island: *Vegetation* and **flora.** 035962
Influence of **forest** *vegetation* on the horizon of Podzols inthe Menomeny Forest, state of Wisconsin, USA. 040728
Kevo, Finland *[Vegetation,* **forests,** soils]. 036194
The effect of light on the *vegetative* and **generative** development of further five apple varieties, grown on M4 rootstocks. 037644
Effect of defoliation, shading, and tipping of shoots on flower bud development and *vegetative* **growth** of Chinese gooseberry (Actinidia chinensis Planch.). 038416
Effect of host and nonhost crop seeds on *vegetative* **growth** and sporulation of Fusarium udum in soil [cause of wilt disease of pigeonpea]. 038684
Chemistry and *vegetation* of **highly** acidic streams. 041247
Absolute and relative pollen diagrams from northernmost Fennoscandia *[Vegetation* **history,** Betula, Pinus]. 036008
Vegetative **history** of Cinnabar Park in Medicine Bow National Forest, Wyoming [as related to soil characteristics]. 040784
On the protection work of the forest road in the forest road in the Ehime University Forest. VI. Examination of native **Japanese** *vegetation.* 2. 035532
Relationship between the *vegetation* and **length** of development of the islets of the Matsalu nature protection area. 036169
The **littoral** *vegetation* of Nordbytjernet, a small lake in south-east Norway. 036238
Vegetation **management** and microbial function in a tallgrass prairie. 038043
About the primary stage in the soil formation under **mangrove** *vegetation* in sandy shallow-water regions of the CaribbeanSea. 040610
Vegetation **map** of Cuba. 035993
Mapping *vegetation* in the Great Basin from ERTS [Earth Resources Technology Satellite]-1 imagery [Nevada]. 036242
Production and dynamics of salt **marsh** *vegetation* and the effects of experimental treatment with sewage sludge. Biomass, production and species composition. 040996
The effect of properties of microhabitats formed on various metamorphic schists on *vegetation* [of **meadows** and forests]. 036924
An attempt at a zoocoenological evaluation of the synusies of the subfamily Sarcophaginae (Diptera) in three **Moravian** *vegetation* tiers. 039605
Vegetation of **Mount** lide [Plant communities]. 036206
Successions of microorganisms of the **overground** *vegetative* mass in meadow communities. 036184
Changes of glycolic acid oxidase and peroxidase activity in maize leaves during the *vegetation* **period.** 037333
Accumulation of Vinca herbacea alkaloids according to the *vegetation* **phases.** 037267
Acute irradiation of *vegetating* **plants** and prospects of its use in plant growing and breeding [Genetics]. 036610
The bees (Apoidea, Hymenoptera) on alfalfa (Medicago media Pers.) plantations. II. Trophic relationship to *vegetation* **[Pollination].** 039698
Vegetative **proliferations** of floral spikelets in Oryza sativa L. [Rice]. VI. Development of proliferated spikelets (propagules) by means of soil cultivation. 036621
Annotated bibliography on *vegetative* **propagation** of bananas, 1960-1974. 038447
Effect of the drop of ground water level on soil and *vegetation* **properties** in the area adjacent to the electric power plant "Lower Oder". 041684
Vegetative and **reproduction** habits of castorbean (Ricinus communis) as affected by the nutrient area [Spacing]. 038556
Effects of oil spill on the **shore** *vegetation* [Pollution injuries]. 038961
Ary-Mas, USSR *[Vegetation,* **soils].** 036189
Hardangervidda, Norway *[Vegetation,* **soils].** 036193
Macquarie Island, Subantarctic *[Vegetation,* **soils].** 036195
Moor House [Nature Reserve], United Kingdon *[Vegetation,* **soils].** 036197
Signy island, Maritime Antarctic *[Vegetation,* **soils].** 036199
Tareya, USSR *[Vegetation,* **soils].** 036203
Vegetation **survey** of the Tarawera River and environs, North Island, New Zealand. 036235
The effect of boron on the yield and chemical composion of **tobacco** *vegetative* matter. 038095
On the choice of discriminational threshold for the *vegetational* **units** of different ranks. 036182
The *vegetation* of the **Urals** on a new geobotanical map. 036185

Damage to *vegetation* in the **vicinity** of a phosphorus plant, Long Harbour, Newfoundland. 038959

VEHICLE
Brakes for **agricultural** *vehicles.* I. 040495
Brakes for **agricultural** *vehicles.* II. 040496
Lead from *motor-vehicle* **exhausts** in sweet-corn plants and soils along a highway in Hawke's Bay, New Zealand. 039041
Determination of the number of *vehicles* to **perform** transportation tasks [of wood from forests to storage places]. 035869
Causes of failure and characteristics of reliability of four-cycle diesel engines **selected** for *vehicles.* 040413

VEIN
Arterial-venous **magnesium** gradients in hypovolemic shock: an indicaton of the irreversible state [Dogs]. 034149

VELD
The marketing of 2 1/2 year old Africander slaughter steersof the *veld* [**Breed** performance]. 034548

VELOCITY
Influence of **air** *velocity* and temperature on the two-stage cooling of perishable large-sized products [Beef quarters]. 033050
Effect of chemically adjusted meat pH [hydrogen-ion concentration] and drying **air** *velocity* on some properties of dry sausage. 033090
Measurement methods for head loss and *velocity* **distribution** after pipe bends and wye pieces [Hydrology]. 041310
Some observations of *velocity* **fluctuations** in a strongly stratified estuary using an ultrasonic transit-time-difference current meter [Water quality]. 041323
Velocity **measurement** of water-air mixture [Speed measuring system]. 041335
Effects of dry air and subsequent humidification on tracheal **mucous** *velocity* in dogs. 034013
SIngle *velocity* method in measuring [stream] discharge [Water flow]. 041322
Flow-velocity and **stress** tensor [in flowing water] determined by experiment. 041303
Recording **wind** *velocity* direction, and temperature in [forest] fires by logarithmic technique. 035507

VELUTINA *see* **MOLLUSKS**

VENATION
The **wing** *venation* of Chrysopa aspersa Wesm. (Chrysopidae, Neuroptera) as a model for microevolutionary studies. 039960
Wing *venation* of click-beetles (Coleoptera, Elateridae) and its importance for taxonomy of the family. 040180

VENDING
Recent trends in vending [Food and **beverage** *vending* machines]. 031676
Vending **machines** don't have to be villains. 032527

VENEERS
Anatomical structure of lumbang [Aleurites moluccana] as regards wooliness in *veneer* **manufacture.** 035750

VENOM
Some data on the *venomous* **apparatus** of Loxosceles laeta andtoxicity of its venom on diverse animal species. 039648
In vitro activity of the *venom* and other **components** of Loxosceles laeta on human and animal erythrocytes. 039647
Some data on the venomous apparatus of Loxosceles laeta andtoxicity of its *venom* on **diverse** animal species. 039648
A histopathological study on necrotic arachnidism by Loxosceles **laeta** *[Venom].* 039646
Natural resistance of bovine animals to Micrurus **nigrocinctus** *venom.* 035449
Removal of *venom* and **productivity** of honeybees. 032893
Effects of *venom* from the **scorpion** Heterometrus fulvipes onsome enzyme systems of sheep brain. 035448

VENTILATION
Ventilatory **acclimatization** and csf [cerebrospinal fluid] acid-base balance in carotid chemodenervated dogs at 3550 m. 034136
The effects of vagotomy on *ventilation* and **blood** gas composition in dog, sheep and rabbit. 034165
Forced *ventilation* of a pit silo for winter storage of potatoes. 040319
Effect of hypoxia on **immediate** *ventilatory* load response in dogs. 034011
Climate and *ventilation* in **livestock** barns. 040316
Stability in **lobar** *ventilation* distribution during change in thoracic configuration [Dogs]. 034022
Co-ordinating interneurones of the locust which convey two patterns of motor commands: their connexions with *ventilatory* **motoneurones.** 039846
Effect of baroreceptor activity on *ventilatory* **response** to chemoreceptor stimulation [Dogs]. 034010
Ventilation **studies** on long-term normal storage of onions. 033380

VENTRICULAR
Alkaloids of **Alphonsea** *ventricosa* (Hook. F. & Th.). 036984
On the delay of *intraventricular* **conduction** in the race horse—discussion of its pathogenesis and causes. 035300
Effects of dopamine on sinus rate and *ventricular* **contractile** force of the dog heart in vitro aand in vivo. 033833
Left *ventricular* dynamics during recovery from exercise [Dogs]. 034017

VENTURIA *see* **MYCOSPHAERELLACEAE**

VERATRUM
Solanum and *Veratrum* **steroidal** alkaloids. 036746

VERBENACEAE
Simple to scalariform combination perforation plates in Vitex lucens **Kirk** *(Verbenaceae)* and Brachyglottis repanda J. R. Et G. Forst (compositae) [Wood anatomy]. 035777

VERMICULITE
Relationship of geomorphology to origin and distribution of a high **charge** *vermiculitic* soil clay [in Michigan]. 040772

VERMINOSIS
Verminosis or *verminous* **bronchitis** [Livestock]. 035005
Mechanization of fecal diagnosis for *verminosis* **[Livestock].** 035245
Verminosis **prevention** in sheep in Kazakhstan. 035256
Verminosis or **verminous** bronchitis [Livestock]. 035005

VERNALIZATION
Flowering in Pisum [peas]: the sites and possible mechanisms of the *vernalization* **response.** 037776

VERRUCARIA
Optimization of the nutrient medium for the biosynthesis of phytotoxic metabolites of **Myrothecium** *verrucaria* VKMF-183 [Soil fungi]. 040754

VERSICOLOR *see* **COLOR**

VERTEBRATES
Determination of genetic sex by sexual chromatine in nuclei of neutrophyl leucocytes of the peripheral **blood** in *vertebrates.* 034807
Osteochondromatosis of the **cervical** *vertebrae* in a dog. 035344
Response of femoral and *vertebral* **colony-forming** units to 226Ra [radium isotope] internal contamination in mice [Toxicity]. 035434
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by *vertebrates* in the **epidemiology** of Rocky Mountain Spotted Fever. 039482
Mosquitoes, arboviruses and *vertebrates* **[Infections** of man]. 039459
The persistence and toxicity of pesticides in relation to enzymic activity [in *vertebrates* and **insects].** 039584
Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for *vertebrates* **[Rabbit** ticks, Haemaphysalis leporis-palustris]. 039492

VERTICAL
Vertical **distribution** of microfungi in a spruce [Picea abies] forest soil in the south of Sweden. 036166
Vertical **distribution** of dry matter in some grassland plants and stands. 037608
Vertical **distribution** and survival of Sclerotium oryzae [stem rot of rice] under various tillage methods [Cultural control]. 038776
Arthropods in cereal crops: nocturnal activity, *vertical* **distribution** and aphid predation. 039290
Rationalization of forms of contract type of *vertical* **integration** in agriculture. 031255
Freezing times for blocks of fish in *vertical* **plate** freezers. The effect of contact area and block density. 032743
On improving the methodology of determining parameters of *vertical* **vibration** of logging trailer-trains. 035811
On the problem of selecting a calculation system for a bundle of logs in studying the *vertical* **vibrations** of skidder tractors. 035815

VERTICILLIUM
Induced resistance from simultaneous inoculation of tomato with Fusarium oxysporum Sacc. and *Verticillium* **albo-atrum** Reinke & Berth [Wilt]. 038635
A disc electrophoretic study of the protein of susceptible, tolerant and resistant lucerne with reference to *Verticillium* **[albo-atrum]** wilt. 038668
Influence of microelements in a sporulation medium on subsequent water requirements for germination of *Verticillium* **albo-atrum** conidia. 038694
Passage of *Verticillium* **albo-atrum** [wilt of cotton] propagules through the alimentary canal of the bulb mite [Rhizoglyphus echinopus]. 038771
Reduction of the severity of *Verticillium* **[albo-atrum]** wiltof cotton by the growth retardant, tributyl [(5-chloro-2-thienyl)methyl] phosphonium chloride. 038772
Degenetative diseases of lucerne [Corynebacterium insidiosum, *Verticillium* **albo-atrum].** 038868
Benomyl tolerance in *Verticillium* **dahliae** [Wilt, strawberries]. 038564
Ultrastructure of wilt syndrome caused by *Verticillium* **dahliae.** II. In sunflower leaves. 038590
Adenyl and pyridine nucleotides of the forms of *Verticillium* **dahliae** Kleb. differing in the pathogenecity. 038605
Repression of the production of *Verticillium* **[dahliae]** polygalacturonase and cellulase by glucose [Hops]. 038710
Wilt of the olive tree caused by *Verticillium* **dahliae** Kleb. 038731
Artificial infection backgrounds in the development of field crops resistant to root diseases *[Verticillium* **dahliae].** 038797
On the specificity of ultrastructure and function of cellular organoids in *Verticillium* **dahliae** (Kleb) [Wilt, cotton]. 038806
Quality of proteins in *Verticillium* **dahliae** Klebahn and Fusarium oxysporum f. vasinfectum strains with different pathogenicity. 038808
Isolation, purification, and study of some properties of the lysl-, phenylalanyl-, and aspartyl-tRNA synthetases from the **fungus** *Verticillium* dahliae. 036887
Verticillium **wilt** of strawberry. II. Study of the diffusion of the pathogen agent in the stolon tissues and in young plants. 038729
Economic foundation of the harmful effect of cotton **wilt** *[Verticillium].* 038801

VESICLE
Dark oxidation-reduction coupled phosphorylation in sonicated **chloroplast** *vesicles* [Spinach]. 037694
Fine structure of chicken thymic **epithelial** *vesicles.* 034048
Inactivation by detergents to the proline transport system in **membrane** *vesicles* from Escherichia coli and its reactivation by bovine serum albumin. 033799
Surface distribution of the fatty acid side chains of phosphatidylethanolamine in mixed **phospholipid** *vesicles* [Hen egg yolk]. 033813
The different fatty acid composition of lecithins in the sacroplasmic **reticulum** *vesicles* and the membranes of adrenal chromaffin granules [Cattle, rabbits, rats]. 034118
Immunoelectrophoretic analysis (IEA) of seminal plasma and fluids from **seminal** *vesicles* and ampullae of vasa deferentia of bulls. 034588
Fasciola hepatica: the ultrastructure of the epithelium of the **seminal** *vesicle,* the ejaculatory duct and the cirrus [Liver fluke, cattle, sheep]. 035179
On the mechanism of neurotropism of *vesicular* **stomatitis** virus in newborn hamsters. Studies with temperature-sensitive mutants. 035110
Epizootiology of *vesicular* **stomatitis** in swine. 035242
Swine *vesicular* disease. 034992
A new form of **swine** *vesicular* diseases [enteroviruses] and measures for their prevention. 035097
A case of **swine** *vesicular* disease (SVD) in the Netherlands [is compared with foot-and-mouth diseases, virus diseases]. 035213
Identification of glycine in the **synaptic** *vesicles* of the bovine cortex. 034114
Comparison of **synaptic** *vesicle* sizes in axonal profiles synapsing on neuronal bodies and dendrites in the cat motor cortex. 034216

VESPIDAE
Spring behavior of Polistes exclamans (Hymenoptera: *Vespidae:* **Polistinae).** 039710

VESSEL
Kinetics of the red cell washout from **coronary** *vessels* of isolated feline hearts. 033847
Self-cleaning of **drinking** *vessels* by feed chains rotating horizontally. 040328
Continuous hypokinesia and its effects upon tissues and *vessels* of **extremities** in experiment [Dogs]. 033774

VESTIBULAR
Behavioral adaptation in neonatal chicks following **embryonic** *vestibular* system rearrangement. 034058
Neuronal activity in the **lateral** *vestibular* nucleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. 034132
Neuronal activity in the **lateral** *vestibular* nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. 034133

VETCH
Participation of aspartic acid and glycine in biosynthesis of threonine in isolated roots of Vicia **sativa** L. *[Vetch].* 037707
Esterase of *vetch* **seeds** hydrolyzing carbobenzoxy-alanine p-nitrophenyl ester. 037702
Changes in protein amino acid composition in the seeds of an induced **spring** *vetch* mutant. 036461
"F" *vetch* **[Varieties].** 037946

VETERINARIANS
In memoriam: Geurt **Hupkes** *[Veterinarians].* 034929
The vets save our beef and milk, and the bacon *[Veterinarians,* **livestock** diseases, control]. 034953
Commemoration of Professor Togo **Rosati** *[Veterinarians].* 034933
In memory of Filippo **Usuelli** *[Veterinarians].* 034881
The *veterinarian* and the **world** food supply. 034883

VETERINARY
A new organization of *veterinary* **activity** in the Mlada Boleslav District. 034937
Polytechnical instruction on livestock units in the region of Schwerin: experience under *veterinary* **aspects.** 034915
Results of complex socialist rationalization in 1974 **Czechoslovakian** *veterinary* activities. 034945
Results of an inquiry made by the *Veterinary* **Department** on Fusarium contaminated grain of the 1972-1973 harvest [Feeding, livestock, mycotoxicosis]. 034495
Depreciation as a factor—is leasing *[veterinary]* **equipment** better than purchasing? 040489
On *veterinary* **genetics** [Hereditary diseases]. 034630
Aspects of *veterinary* **hygiene** in the further development of sheep husbandry. 034939
Results of *veterinary* **hygienic** inspection activities in the Slovak Socialist Republic after 4 years of the fifth Five-Year Plan. 034946
Insect growth regulating agents for control of arthropods of medical and *veterinary* **importance.** 039478
Veterinary **inspection.** 034879
The thirty-five years of the *Veterinary* **Institute** of Investigations, July 5, 1940 to July 5, 1975. 034920
Some results and further tasks for cooperation on raising animal production in the Mongolian People's Republic through *veterinary* **measures.** 034900
Professor K. F. Meyer, D.V.M., M.D. [Doctor of *Veterinary* **Medicine,** Doctor of Medicine], pioneer in the area of prevention of botulism [Clostridium botulinum];. 032145
Influence of *veterinary* **medicine** on the intensification of industrial livestock production by speeding up scientific and technological advances. 034923
Method of spectral analysis in *veterinary* **medicine.** 034935
Use of analytical tables for diagnosis in *veterinary* **medicine.** 034951
The production of hemagglutinin of Japanese B encephalitis virus in tissue cultures *[Veterinary* **microbiology].** 035016
Rush pins in *veterinary* **orthopedics**—a review. 034903
The utilization of personnel [in *veterinary* **practice**]. 034905
Breeding hygiene in industrialised dairy farming units. 3. Results obtained from breeding hygiene practice as part of *veterinary* **production** control in industrialized dairy farming. 034748
Reflections on the organization of the *veterinary* **profession** within the framework of the World Veterinary Association. 034919
Participation of *veterinary* **service** in solving the problem of feed proteins. 034512
Practical information about tasks of *veterinary* **service** in sheep husbandry. 034943
The place and importance of *veterinary* **service** in the reproduction process. 034950
Veterinary **service** relative to ensuring hygienic quality of foodstuffs. 034952
Economic analysis of *veterinary* **services** for udder health in industrialised dairy farming units [Costs]. 031490
Studies into real expenses for *veterinary* **services** in statecontrolled veterinary centres. 031491
Contribution of the *Veterinary* **Services** of the Ministry of Health in the control of salmonellosis. 035221
Activities of a **specialized** *veterinary* center on a large swine farm using the group system of rearing. 034938
Some experiences from five years of activity of a **specialized** *veterinary* center on a large swine farm. 034947
Speicialized *veterinary* medicine in concentrated swine rearing. 034948
Ensurance of the 1975 plan in the organization of the Czechoslovakian **State** *Veterinary* Board [Five-Year Plan]. 031924
Studies into real expenses for veterinary services in **statecontrolled** *veterinary* centres. 031491
Animal behavior as a subject for *veterinary* **students.** 033873
Gas chromatographic determination of Stanozolol in *veterinary* **suspensions.** 039828
Reflections on the organization of the veterinary profession within the framework of the **World** *Veterinary* Association. 034919

VIABILITY
Tissues cultures of maize, wheat, rice & sorghum. I. Initiation of *viable* **callus** & root cultures. 037458
A collaborative study of the microtiter count method and standard plate count method for *viable* **cell** count of raw milk. 032975
High frequency of spontaneous mutations, affecting *viability* in the **chromosome** II in LA strain of Drosophila melanogaster. 039762
Seed selection for **potential** *viability* [Kidney beans, peanuts, cotton]. 037780
Mechanisms of the stabilization of the allelic composition of the esterase locus of Drosophila melanogaster. I. **Relative** *viability* of the genotypes. 039921
X-ray contrast method for **seed** *viability* determination of cereals and millets. 037565
Comparison of agar media for counts of *viable* **soil** bacteria. 040795
The most appropriate moisture content of [vegetable, grass, legume and flower] seeds for their long life **span** *[Viability].* 037848
Viability and **transplantability** of developed tumour cell treated in vitro with antitumour agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
Genetic analysis of a population of Tribolium [castaneum]. V. *Viability* of the **unsaturated** fatty acid sensitive mutant. 039654

VIBRATIONS
Vibration of **chainsaw** in timber cross cutting. III. 035707
Vibration of **chainsaw** in timber cross cutting. IV. Protection provided by the vibration multi-isolating equipment. 035708
A study on the prevention of *vibration* and **noise** of forest machines [logging equipment]: considerations mainly with relation to improvement of forest operations. 035709
Determination of modulus of elasticity of wood from *vibrating* **reed** measurements. 035741
The *vibratory* **spray** washer and its application in the sugar industry. 033315
On improving the methodology of determining parameters of **vertical** *vibration* of logging trailer-trains. 035811
On the problem of selecting a calculation system for a bundle of logs in studying the **vertical** *vibrations* of skidder tractors. 035815
On the behaviour of the coefficient of static friction under *vibration* **[Wood** cutting]. 035769

VIBRIO
Isolation of **halophil** *Vibrio* spp. In marine fish and fish products [Contamination]. 032154
Enumeration, laboratory identification, and serotypic analyses of *Vibrio* **parahaemolyticus** [Food poisoning]. 032110
Epidemiology of *Vibrio* **parahaemolyticus** infection in humans[Raw fish, shellfish, and cucumbers in brine]. 032111
Occurrence and biology of *Vibrio* **parahaemolyticus** [Food poisoning, Japan]. 032115
Toxicity of *Vibrio* **parahaemolyticus** [Food poisoning]. 032116
Experimental inquiry into the action of some physical and chemical factors on the survival and propagation of *vibrio* **parahaemolyticus** in food products. 032149

VICIA
Modification of the radiation effect by different factors in ageing seeds of **broadbeans** *(Vicia* faba L.). 037410
Megasporogenesis and microsporogenesis in *Vicia* **faba** [Broadbeans]. 036292
Chromosomal variation in calluses induced in *Vicia* **faba** [broadbeans] and Allium cepa [onions]. 036574
Root tips of *Vicia* **faba** [broadbeans] for the study of the induction of chromosomal aberrations. 036601
Effect of cycocel on growth, flowering and yield of *Vicia* **faba** L. [Broadbeans]. 037339
The pollinating efficiency of honeybee and bumblebee visits to field bean **flowers** *(Vicia* faba L.). 040251
Participation of aspartic acid and glycine in biosynthesis of threonine in isolated roots of *Vicia* **sativa** L. [Vetch]. 037707
Effect of 2-chloroethylphosphonic acid (CEPA) on the distribution of growth regulators in geotropically **stimulated** *Vicia* faba roots [Broadbeans]. 037885

VICINA *see* MOLLUSKS

VIGNA
Heterosis in the mung **bean** *(Vigna* radiata (L.) Wilczek). 036702
Plasmid deoxyribonucleic acid in **Rhizobium** *vigna* and Rhizobium trifolii [Mung beans, red clover]. 037362
Fruit abscission in cowpea, *Vigna* **unguiculata** (L.) Walp. II. Quantitative estimations of total nucleic acids in ovaries of persisting and abscissing flowers. 037777
CR 17-1-34, Cercospora [cruenta] leaf spot resistant southernpea *[Vigna* **unguiculata]** germplasm [South Carolina]. 038634
CR 17-1-13, CR 18-13-1, CR22-2-21, cowpea curculio [Chalcodermus aeneus] resistant southernpea *[Vigna* **unguiculata]** germplasm [from South Carolina]. 039336

VILLAGES
National and colonial forms of land settlement of the Slavs: a contribution to the problem of the detached farm, **clustered** *village* and radial settlement [History, USSR]. 031180
Furlong village and **detached** *village* [Land settlement, history]. 031177
Spread of Alemannic-Frankish [land] settlement and its connection with the spread of **furlong** *villages* [History]. 031186
Antenatal events and postnatal growth and survival of children—prospective observation in a rural **Guatemalan** *village.* 032262
Problem of the formation and age of **radial** *villages* in eastern Lower Saxony [Land colonization, history, Slavs]. 031183
The Wendish **radial** *village* [Land settlement, history]. 031192
Village **radicalism** in East Anglia 1800-50 [Rural labor unrest]. 031077

VINBLASTINE *see* VINCALEUKOBLASTINE

VINCA
Isolation of 6,7-dehydro-8-oxokopsinine, vincanine n-oxide, and venalstonine from *Vinca* **erecta.** 036886
Accumulation of *Vinca* **herbacea** alkaloids according to the vegetation phases. 037267
Vincamine from *Vinca* **minor** L. Cultivated in Georgia [USSR]. 037270
Systematic cultivation of Cathatanthus **roseus** *(Vinca* rosea Linn) G. Don, a plant with promise in cancer [Culture]. 038537

VINCALEUKOBLASTINE
Histological aspects of the effects of *vinblastine* on the **morphogenesis** of the foot of the chick embryo. 034052
The effect of *vinblastine* on **spermiogenesis** in Drosophila melanogaster: evidence for two functional classes of cytoplasmic microtubules. 039865

VINCAMINE
Vincamine from **Vinca** minor L. Cultivated in Georgia [USSR]. 037270

VINES
Roundup—the end of perennial weeds [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and *vine* **crops?** [Stone fruits, grapes]. 039104
Previous experience with the chemical defoliation of *vines* to **facilitate** grape harvesting. 038411
Vine **[growing]** on slopes [in Kabardino-Balkaria]. 038524
Influence of environmental factors on bud burst, inflorescences, fertility, and shoot **growth** of *vines.* 037882
The **lesser** *vine* sphinx [Pholus fasciatus]. 039811
The catastrophe also started in Switzerland 100 years ago: the course of the *vine* **louse** [Phylloxera vastatrix] epidemic. 039363
Notes on the *vine* **mealybug** [Planococcus ficus] (Homoptera: nufacture]. 039344
Training of *vines* on **parental** stocks of intensive-type scion grapevines. 038476
Ways of improving the set of varieties in *vine* **plantations** in the Ukraine. 038526
Long-term responses of 'Thompson Seedless' [grape] *vines* to **potassium** fertilizer treatment. 040880
On the uptake of glucose [by the *vines]* from **root** systems of true-rooted and grafted grapevines. 037723
Propagating deciduous and evergreen shrubs, trees, and *vines* with **stem** cuttings. 035681

VINEYARDS
Mineral forms of phosphates assimilated by *vineyards* in **conditions** of recultivation. 041094
The soil of the *vineyards* has not been **cultivated** here for thirteen years. 038236
Establishing a suitable method of reconstructing **existing** *vineyards* of the Cabernet Sauvignon grape variety with inter-row space of 2 meters. 038356
Weather, development of grapes, diseases, pests and damages in *vineyards* in the **German** Federal Republic during 1974/75. 039075
Soil tillage and the application of **herbicides** to *vineyards.* 041210
Rational fertilization in **large** *vineyards* on the basis of foliar analysis. 041014
Economic examination of vintage in a wide-spaced **large-scale** *vineyard.* 038225
Exploring our *vineyards.* **Saint-Joseph** [Wines]. 033452
Controlling gray rot [Botrytis cinerea] in **stem-less** *vineyards.* 038787
Non-root feeding **supplement** for *vineyards.* 037842
The effect and aftereffect of fertilizers on *vineyards* **[Yields,** growth]. 041089

VINI *see* BIRDS

VINIFERA
Increases in yields with heterosis crossings of **Vitis** *vinifera* L. [Grapes]. 036588
Nutritional status of the grapevine **(Vitis** *vinifera* L., variety Lambrusco Salamino) expressed by means of foliar analysis of macro- and microelements. 040867

VINIFICATION
5-nitrofuryl acrylic acid, a new conserving **agent** in *vinification.* 033435
Bearings of modern enology in the sphere of **mechanized** *vinification* with autovinificators. 033326
Classical and modern technique of white **wine** *vinification.* 033328
Classical and modern techniques of white **wine** *vinification:* practical aspects. 033329
Modern techniques of red **wine** *vinification.* 033331

VINTAGE *see* WINE

VINYL
Observations on the oral administration and toxicity of *vinyl* **chloride** in rats [Nutrition and food research]. 032012
Dynamic behavior of *vinyl* **chloride** in aquatic ecosystems [Water pollution]. 041506

VIOLA
A study of some intermountain **violets** *(Viola* sect. Chamaemelanium [from the Intermountain Region of the U.s.]. 036050

VIOLETS

A study of some **intermountain** *violets* (Viola sect. Chamaemelanium [from the Intermountain Region of the U.s.]. 036050

VIRESCENT

Analysis of greening in *virescent* **mutants** of maize by in vivo spectrophotometry. 037381

VIROLOGY

Experimental materials derived from *virological* **investigation** of milk. 032150

VIRULENCE

Nutritionally **conditioned** *virulence* of Pythium butleri and susceptibility of tomato in causing damping-off. 038842

Immunity trial of fowl pox 'BM' strain vaccine against *virulent* **fowl** pox virus (Punjab isolate-1) [Chickens]. 035186

Genetic control of virulence in Ustilago hordei [covered smut disease of barley]. IV. Duplicate genes for *virulence* and **genetic** and environmental modification of a gene-for-gene relationship. 038592

Genetics and selection of the entomopathogenic fungus Beauveria bassiana (Bals.) Vuill. IV. Variability with respect to the characteristic of *virulence* under the **influence** of ultraviolet rays. 039916

New *virulent* races of perenosporosis [Peronospora tabacina]of tobacco. 038805

A gene action for *avirulence* **partially** affected by mutation in rice blast fungus [Pyricularia oryzae]. 038571

Polysaccharide-degrading ability of rice blast fungus [Pyricularia oryzae] of a different **pathogenicity** and *virulence*. 038573

Comparative study of moderate and *virulent* **phages** of mesophilous lactic acid streptococci. 033021

Variability in the *virulence* of **Pyricularia** oryzae. 038719

The *virulence* of **trimethoprim-resistant** thymine-requiring strains of Salmonella [typhimurium, chickens]. 035116

Genetic control of *virulence* in **Ustilago** hordei [covered smut disease of barley]. IV. Duplicate genes for virulence and genetic and environmental modification of a gene-for-gene relationship. 038592

Enhancement of the antigenic activity and *virulence* of the **vaccine** strain E of Rickettsia prowazeki by passages in cell culture [Chick embryos]. 034958

VIRUSES

Complement-binding activity of immunoglobulins of sera of blood and ewe colostrum infected with sheep **abortion** *virus*. 035202

Antiviral **activity** of isoquinolines carbazoles and other miscellaeous synthetic chemicals in mice. 035077

Equine infectious **anemia** *[Virus]*. 034963

Molecular mechanisms of the thermoinactivation of [plant and **animal]** *viruses*. 038940

Lesions by hepatitis-B *[virus]* **antigen-containing** sera in tobacco plants (Nicotiana tabaccum variety Xanthi). 038906

An outbreak of *viral* **arthritis** in broiler breeders [Chickens]. 035041

The plaque reduction test in the study of antibodies against the *viral* **arthritis** reovirus [Chicken sera]. 035048

Problems associated with the use of **arthropod** *viruses* in [insect] pest control. 039205

Studies on tomato **aspermy** *virus* from Chrysanthemum indicum L. in New Zealand. 038928

Experimental studies on the immunization of avian infectious bronchitis virus: immunogenicity of the CK **attenuated** *virus*. 035010

The *viruses* on the **borderline** between inanimate and animate nature [Apis mellifera, diseases]. 040212

The future of **bovine** *viral* vaccines. 035053

The prevalence of antibodies to **bovine** *virus* diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. 035163

Experimental studies on the immunization of avian infectious **bronchitis** *virus:* immunogenicity of the CK attenuated virus. 035010

THe characteristics of a new Australian infectious **bronchitis** *virus* [Poultry]. 035081

Virus-free **budwood** sources. II. The Valencia orange. 038894

Adaptations of **buffalopox** *virus* to an established cell line. 035082

Burley and Virginia-type tobacco simultaneously affected **byseveral** *viruses* in the Province of Tucuman. 038936

The efficacy of Candivac SHL against distemper, **canine** *viral* hepatitis, leptospirosis, and rabies tested in dogs. 035140

New disease of **carrots** in a *"virus"*. 038943

Aggregation properties of carnation [Dianthus **caryophyllus]ringspot** *virus*. 038931

Studies on a *virus* **causing** mosaic disease of chilli [Aphis gossypii, Aphis craccivora, Myzus persicae vectors]. 038907

Distribution of Lednice (Yaba 1) *virus* in the **chick** embryo. 034957

Effect of grapevine infectious **chlorosis** *virus* on protein metabolism in the plant. 038899

Transformation of ultrastructure of grape leaves under the effect of infectious **chlorosis** *virus*. 038941

Aseptic culture of soybean and peanut embryonic axes to improve phytosanitation of plant introductions [to **control** *virus* diseases]. 038939

Kelp fly [Chaetocoelopa sydneyensis] *virus* **[cultured** in Galleria mellonella larvae]. 039851

Nitrogen exchange in potato plants **damaged** by S and M *viruses*. 038916

Survival of foot-and-mouth **disease** *virus* in milk and milk products. 031976

Propagation and characterization of Ranikhet (Newcastle) **disease** *virus* in chicken embryo fibroblast and kidney cell culture. 035084

Measures for *virus* **disease** control in large groups of cattle. 035098

Viral factors required for interferon induction by Newcastle **disease** *virus* in mouse macrophages and chicken embryo cells. 035112

Comparison of RNA polymerase associated with Newcastle **disease** *virus* and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. 035130

New lines of cells and the adaptation to them of the foot-and-mouth **disease** *virus* [Livestock]. 035248

Persistence of foot-and-mouth **disease** *virus* in experimentally infected jackdaws. 035250

Production of highly active hyperimmune serums for control of foot-and-mouth **disease** *virus*. 035251

Comparative study of Aujeszky's **disease** *virus* reproduction in cell and tissue suspensions of avian embryos [quail]. 035278

Cytological characteristics of bovine kidney cell culture chronically infected with foot-and-mouth **disease** *virus*. 035279

Causal agent of "waika" *[virus]* **disease** of rice plants in Japan [transmitted by Nephotettix cincticeps]. 038882

Transmission by green leafhopper, Nephotettix cincticeps Uhler of a new dwarf *[virus]* **disease** in rice plants. 038887

A potential for fowlpox outbreaks *[Virus* **diseases]**. 035066

Viral **diseases** [Cats]. 035070

Animal influenza *[Virus* **diseases]**. 035072

A case of swine vesicular disease (SVD) in the Netherlands [is compared with foot-and-mouth diseases, *virus* **diseases]**. 035213

Aleutian disease [Minks, *virus* **diseases]**. 035218

Some *virus* **diseases** of trees and shrubs. 038888

Virus **diseases** of vegetable crops in Apulia. XVIII. Shoe stringing of broadbean (Faba vulgaris Moench. var. major). 038915

Failure of attenuated canine **distemper** *virus* (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. 035050

The production of hemagglutinin of Japanese B **encephalitis** *virus* in tissue cultures [Veterinary microbiology]. 035016

Formation persistence of latex-agglutination-inhibiting IgG- and IgM [immunoglobulins G and M]-antibodies in rabbits inoculated with poliomyelitis, Coxsackie and **encephalomyocarditis** *viruses*. 035291

Arthro-tenosynovitis of *non-viral* **etiology** in the chicken [Bacteria]. 035042

Viral **factors** required for interferon induction by Newcastle disease virus in mouse macrophages and chicken embryo cells. 035112

A feline calicivirus vaccine combined with **feline** *viral* rhinotracheitis and feline panleukopenia vaccine. 035060

The isolation of bovine ephemeral **fever** *virus* in cell cultures and evidence of autointerference. 035001

Field tests using a **granulosis** *virus* to control the codling moth (Laspeyresia pomonella (L.) [Apple pests, biological cntrol]. 039370

Results of **grape** *virus* research. 038903

Polyacrylamide-gel electrophoresis of messenger ribonucleic acid extracted from cells infected with pig **herpes** *virus* 1. 035216

Post infection changes in nitrogen metabolism in *virus* **infected** Carica papaya L. [Papayas]. 038905

Survey of *viruses* **infecting** Daphne in New Zealand. 038929

Brinjal [eggplant] leaf extract induced resistance to *virus* **infection** in plants. 038904

Replication of a nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the *virus* **infection.** 039866

An in vivo study of the action of type A2 **influenza** *virus* on the chromosomes of animal cells. 034600

Structure of an **insect** *virus* [Trichoplusia ni, Pseudoplusia includens, Autographa californica, biological control]. 039217

Infectious tenosynovitis: immunization experiments with a *viral* **isolate** [Chickens]. 035044

Trials to **isolate** *viral* agents [Newcastle virus] from chicken meats; thoughts on their characteristics. 035049

Aedes hendersoni: failure of laboratory-infected mosquitoes to transmit **LaCrosse** *virus* (California encephalitis group). 039473

Characteristics of the major internal protein and RNA-dependent DNA polymerase of bovine **leukaemia** *virus* [Cattle, sheep]. 035108

Cat **leukemia** and its *viruses*. 034962

Chronic relapsing stomatitis in a cat associated with feline **leukemia** *virus* infection. 035061

High molecular weight RNAs from Rous sarcoma virus and Moloney murine **leukemia** *virus* contain two subunits. 035105

Results of a small scale field trial in Nigerian cattle of foot-and-mouth disease vaccines produced from **local** *virus* strains. 035023

Comparison of an avian osteopetrosis virus with an avian **lymphomatosis** *virus* by RNA-DNA hybridization. 035129

Serological differences between some isolates of bean yellow **mosaic** *virus*. 038876

The transmission and effect on yield of rye grass **mosaic** *virus* in a filtered air environment. 038880

Purification and serology of bean yellow **mosaic** *virus* [transmitted by Myzus amaranticolor]. 038883

The inhibitory activity of alginic acid against tobacco **mosaic** *virus* infection. 038886

Natural infection test with sugarcane **mosaic** *virus*. 038891

Zinnia elegans Jacq.—the latent host of watermelon **mosaic** *virus*. 038896

Activity and localization of succinyl-conzyme A synthetase in tobacco leaves infected with tobacco **mosaic** *virus*. 038900

Identification of snakegourd **mosaic** *virus*. 038911

Some aspects of the relationship between mung bean yellow **mosaic** *virus* and its vector Bemisia tabaci. 038912

Studies on the interaction between bottle-gourd **mosaic** *virus* and powdery-mildew fungus, Sphaerotheca fuliginea. 038913

The influence of bottle-gourd **mosaic** *virus* and brinjal [eggplant] mosaic virus on the development of root-knot [nematode] caused by Meloidogyne incognita (Kofoid and White, 1919) Chitwood, 1949. 038914

A double-helical structure for re-aggregated protein of Narcissus **mosaic** *virus*. 038918

Electron microscopy of some grasses and cereals infected with cocksfoot mottle, phleum motle and cocksfoot milk **mosaic** *virus*. 038919

Optical diffraction from particles of Narcissus **mosaic** *virus*. 038920

The packing of southern bean **mosaic** *virus* [cowpea strain] in various crystal cells. 038924

Fate of tobacco **mosaic** *virus* after entering the host cell. II. Electron microscopy of virus particles recovered from inoculated leaves. 038926

Field studies with apple **mosaic** *virus*. 038927

The structure of the protein disk of tobacco **mosaic** *virus* to 5 A [angstrom] resolution. 038930

Studies with cowpea aphid-borne **mosaic** *virus* and its effect on cowpea in Iran [Vectors]. 038932

Influence of the tobacco **mosaic** *virus* (TMV), artificially inoculated, on yields of Virginia tobacco. 038938

Infection of Pythium arrhenomanes in vitro with tobacco **mosaic** *virus* and tobacco necrosis virus. 038946

Appearances of microtubules [of Nephrotoma saturalis and rats] after various fixative procedures, and comparison with the appearances of tobacco **mosaic** *virus*. 039824

Occurrence of plantago **mottle** *virus* in pea, Pisum sativum, in New York State. 038879

Inheritance of resistance to cowpea chlorotic **mottle** *virus* (soybean strain) in soybeans. 038895

A negative staining-carbon film technique for studying viruses in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic **mottle** *virus*. 038922

Ultrasonic treatment of cells infected with **myxomatosis** *virus*. 034985

Infection of Pythium arrhenomanes in vitro with tobacco mosaic virus and tobacco **necrosis** *virus*. 038946

Electron microscopy study of the development of **neurovaccinia** *virus* in rabbit blood leucocyte cultures. 035117

Trials to isolate viral agents **[Newcastle** *virus]* from chicken meats; thoughts on their characteristics. 035049

Comparison of an avian **osteopetrosis** *virus* with an avian lymphomatosis virus by RNA-DNA hybridization. 035129

New information on *virus* **paralysis** of bees [Apis mellifera]. 040272

Detection of *virus-like* **particles** in the coremia of Penicillium claviforme [Fungi]. 038893

Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of *virus* **particles** recovered from inoculated leaves. 038926

Demonstration of *virus-like* **particles** in sweet chestnut [Castanea savits] and oak [Quercus cerris] with leaf deformations in Hungary. 038945

Viruses **[pathogenic** to animals and plants; research projects, Italy]. 035102

Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl **plague** *virus* and actinomycin D: a method for studying early protein synthesis of several RNA viruses [Chickens]. 035133

New host plants of three isometric **plant** *viruses*. 038875

Polyamino acid induced aphid [Myzus persicae] transmission of **plant** *viruses* [Tobacco]. 038921

A new micromethod for the latex agglutination test [to detect **plant** *viruses]*. 038944

Aerial application of a nuclear **polyhedrosis** *virus* to control European pine sawfly [Neodiprion sertifer]. 039382

Replication of a nuclear **polyhedrosis** *virus* in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. 039866

A mosaic disease of potato caused by **potato** *virus* S. 038881

Callus cultures from potato tissues and the exclusion of **potato** *virus* X from plants regenerated from stem tips. 038892
Applications of mineral oils for deterring **potato** *virus* Y infections in redpepper crops. 038934
Behavior of four bush redpepper varieties treated with insecticidal oils for retarding **potato** *virus* Y. 038935
Use of adjuvants for the mass production of diagnostic sera for some **potato** *viruses*. 038942
Immunity trial of fowl pox 'BM' strain vaccine against virulent fowl **pox** *virus* (Punjab isolate-1) [Chickens]. 035186
DNA polymerase in **pseudorabies** *virus* infected cells. 035109
Study of the antigenic relationship between various strains of the **rabies** *virus* group. 035284
On the mechanism of chronic foot-and-mouth infection of cell cultures with specific **resistance** to the *virus*. 035207
The prevalence of antibodies to bovine virus diarrhoea and infectious bovine **rhinotracheitis** *viruses* in diagnostic sera from New Zealand cattle. 035163
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several **RNA** *viruses* [Chickens]. 035133
Cherry leaf **roll** *virus* causing a disease of Betula spp. In the United Kingdom. 038901
Investigations on laboratory methods in estimating the resistance of potato selection materials to leaf **roll** *virus* [induced through viruliferous Myzus persicae]. 038933
Studies of FeSV [Feline **sarcoma** *virus]* induced sarcomata in sheep with particular reference to the regional lymphatic system. 035006
All intact subunit RNAs from Rous **sarcoma** *virus* contain poly (A). 035104
High molecular weight RNAs from Rous **sarcoma** *virus* and Moloney murine leukemia virus contain two subunits. 035105
High spontaneous mutation rate of an avian **sarcoma** *virus*. 035131
In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rous **sarcoma** *virus:* lack of influence of RNase H [Ribonuclease H]. 035132
Interaction of tryptophan transfer RNA with Rous **sarcoma** *virus* 35S RNA. 035165
Rous **sarcoma** *virus* activates embryonic globin genes in chicken fibroblasts. 035188
Interference between the pathogen of Newcastle disease in poultry and the Rous **sarcoma** *virus* in vitro. 035205
A study on the resistance to Lycopersicon [tomato] *virus* 3 **Smith** in progenies of Nicotiana tabacum L. [Tobacco] X Nicotiana glauca Grah interspecies hybridization. 038897
Physiological and biochemical changes in tobacco plants after their inoculation with potato Y *virus* (**Solanum** virus 2 Smith). 038898
Small **spherical** *virus* particles found in rice plants infected with the "waika" disease. 038885
On the mechanism of neurotropism of vesicular **stomatitis** *virus* in newborn hamsters. Studies with temperature-sensitive mutants. 035110
Cytopathology of large cardamom and ginger infected with wheat mosaic **streak** *virus*. 038680
Fluorescence microscopy in relation to wheat mosaic **streak** *virus* disease. 038910
Purification of rice **stripe** *virus* [transmitted by Laodelphax striatellus]. 038884
A negative staining-carbon film technique for **studying** *viruses* in the electron microscope. III. The formation of two-dimensional and three-dimensional crystalline arrays of cowpea chlorotic mottle virus. 038922
A single immunodiffusion drop test for the detection of lily **symptomless** *virus*. 038878
Bovine respiratory **syncytial** *virus* in bovine respiratory pathology. 034987
Observations on an experimental infection of baby chicks with **tenosynovitis** *virus*. 035045
Present knowledge on the *viral* **tenosynovitis** of the chick. 035046
Commercial production of VTSC *[virus* **tested** stem cutting] seed potatoes]. 038877
Chemical control of the tomato spotted wild virus vector in the province of Tucuman [**Tobacco** *virus* diseases, Frankliniella paucispinosa]. 038937
Reactivity of avian RNA **tumor** *viruses* with lectins. 035135
Biochemical changes in leaves of different rice varieties due to **tungro** *virus* infection. 038908
Effect of different dosages of nitrogen fertilization upon some morphological characters of RTV [rice **tungro** *virus]* infected rice varieties. 038909
Quantitative analysis of the rescue of RNA sequences by mammalian **type** C *viruses*. 035134
Electron microscope examination of **Tyuleniy** *virus-infected* chick fibroblast cells. 035281
Unique *virus-related* DNA sequences in sheep progressive pneumonia lung. 035111
Chemical control of the tomato spotted **wild** *virus* vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937
The distribution and ultrastructural effects of passionfruit **woodiness** *virus* in bean leaves. 038889

VISCOSITY

Falling number and **amylograph** *viscosities* of wheat flour made from grain stored for several years. 033281
Viscosity **characterization** of unmodified cassava starch paste. 033426
Parameters affecting the *viscosity* of **chitosan** from prawn waste [Fish processing]. 032868
Hemicelluloses precipitated from steeping liquor in the *viscose* **process** used as additives in papermaking. 035726

VISCUM

Christmas greenery for restaurants, *Viscum* [**album,** parasitic plants]. 039147

VISUAL

Ultraviolet and *visible* **absorption** spectra of humic systems. 040638
Effects of multiple cuttings per container and fertilizer levels on *visual* **appearance,** production time, and landscape performance of woody ornamentals [Ligustrum japonicum, Juniperus procumbens]. 041065
Assessing *visual-cultural* values of inland wetlands in Massachusetts. 041548
The first optic ganglion of the bee [Apis mellifera]. I. Correlation between *visual* **cell** types and their terminals in the lamina and medula. 040216
On the **colour** *vision* of Tabanidae (Diptera). 039972
Influence of the *visual* **cortex** upon collicular evoked responses in the rabbit. 033895
Visual and **cultural** components of the landscape resource assessment model of the MET-LAND [Model for Metropolitan Landscape Planning] study. 041556
Binocular interaction in strabismic kittens **deprived** of *vision*. 034176
Sampling of the *visual* **environment** by the compound eye of the fly: fundamentals and applications [Drosophila melanogaster, Musca domestica, Calliphora erythrocephala, Apis mellifera, Locusta migratoria]. 039795
National **forest** *visual* management: a blend of landscape and timber management. 035562
Vision of the **honeybee** [Apis mellifera]. 040265
Dark regeneration of **invertebrate** *visual* pigments [Butterflies]. 039789
The use of *visible* and **invisible** radiation lamps in agriculture. 040331
Annotated bibliography on the use of light (UV [ultraviolet], *visible* and **IR** [infrared]) in assessing the quality, maturity or defects in fruit and vegetables, 1967-1974. 033445
Hematological studies on grazing cattle with petechia on the *visible* **mucous** membrane [Bracken poisoning]. 035423
Agricultural policy; a *vision* on **objectives** and means. 031917
Cysteine sulfinate carboxylase in the *visual* **pathway** of adult chicken. 034100
Experimental study of *visual* **projections** specificity in microphthalm and monophthalm embryos and chickens of Gallus domesticus L. 033758
Visual **ratings** of soil structure conditions. 040557
Model for evaluation of the *visual-cultural* **resources** of the southeastern New England region. 041550
The relationship of *visual* **scores,** body measurements, and fat thickness with performance and composition of bulls on 140-day feed test. 034800
Increase by *visual* **stimuli** in turnover of 5-hydroxytryptamine in the superior colliculi of the rabbit. 034074
Visual **symptoms,** causes, and remedies of bad soil structure. 040788

VITALITY

Vitality **test** on aleurone cells of the endosperm of Zea mays (aleurone-tetrazolium test) [Corn]. 037563

VITAMIN

Determination of vitamin D3 and its isomers in D3 resins and in mixtures with *vitamin* A **acetate.** 032367
The effect of low-calcium diet and *vitamin* D3 on **acid-base** balance in young rabbits. 032164
Biosynthetic studies in mannolipids and mannoproteins of normal and *vitamin* **A-Depleted** hamster livers. 033787
The effect of the *vitamins* A and E on the **amino** acids composition of proteins in different segments of the brain in old animals [Rats]. 032500
The effect of seaweed macrophytes [Algae] on diurnal balance of *vitamin* B12 in **Bay** of Barentz Sea. 036845
Vitamin B12 **binding** protein purified from the acid soluble fraction of chick embryo. 033992
Vitamin **biosynthesis** by germinating [wheat] seeds at low temperature and in overmoistened soil. 037538
Chondrocyte metabolism as affected by *vitamin* A **[Chick** embryos]. 033843
Spectrophotometric determination of *vitamin* C in **citrus** fruits using peri-naphthindan-2,3,4-trione. 032245
A survey of the *vitamin* **content** of foods as they are consumed by selected groups of the Australian population. 032244
Vitamin **content** in the blood and milk of cows. 034230
Effect of spray fertilization on *vitamin* C **content** of greenpepper. 040853
Studies on the formation on vitamin D by sunlight irradiation of *provitamin* D. II. **Correlation** between yield of vitamin D2 in sunlight irradiated ergosterol solutions and sunlight intensity. 032465
Effect of oral contraceptives and *vitamin* B6 **deficiency** on carbohydrate metabolism. 032176
Disturbances of the methionine metabolism in the presence of *vitamin* B12 **deficiency** in animals [Rats]. 032178
A study on the prevalence of xerophthalmia and blindness in northeast Brazil *[Vitamin* A **deficiency].** 032259
The effect of a *vitamin* E **deficiency** on drug metabolism. 032316
The comparative effects of *vitamin* D **deficiency** and ethane1-hydroxy-1,1-diphosphonate administration on the histology and glycolysis of chick epipiphyseal and articular. 033844
The effect of experimental lard diet on the occurrence of the signs of *vitamin* E **deficiency** in pigs. 035374
The effects of various dietary levels of menadione and iron on hepatic catalase activity in rats maintained on a *vitamin* E **deficient** diet. 032320
Dietary *vitamin* E and selenium requirements for optimum metabolic function at the subcellular level. 032269
Effect of **dietary** *vitamin* E on the activity of glutathione peroxidase and nonprotein-sulfhydryl level in erythrocytes and plasma of rats. 032271
Vitamins are **discovered** by agricultural research. 032510
Drug metabolism and hepatic heme proteins in the *vitamin* **Edeficient** rat. 032179
Selenium and white muscle disease in lambs: effects of *vitamin* E and **ethoxyquin.** 035369
Studies on **experimental** *vitamin* A deficiency in chicks—pathology. 035324
Fat-soluble *vitamins:* where we are and where we should go. 032280
Biosynthesis of *vitamins* of the B **group** by yeasts [Debaryomyces, Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876
Calcium requirements for chicks as affected by some nutritional factors. IV. Effect of feeding different levels of *vitamin* D3 on **growth** of Dokki-4 chicks. 034258
An in vitro of *vitamin* D2 **hydroxylases** in the chick. 034035
Increased bone mineral content in young adults with familial **hypophosphatemic** *vitamin* D refractory rickets. 032386
Vitamin B1 and **immunity:** available data and issues subject to further studies. 032502
Effect of *vitamin* C on the **immunological** reactivity of animal anaerobic infections. 035204
Determination of *vitamin* D3 and its **isomers** in D3 resins and in mixtures with vitamin A acetate. 032367
Metabolism of A cobalt 58 **[isotope]-tagged** *vitamin* B12 in normal and fasting albino rats. 032494
Response of renal calcium-binding protein independence of **kidney** *vitamin* D hydroxylation [in chickens]. 034343
Vitamin **levels** at term and in the neonate. 032436
The rationale of **massive-dose** *vitamin* therapy (megavitamin therapy: hot fictions vs cold facts). 032324
An up-to-date interpretation of the *vitamin-concept* and its **meaning** for some applied natural sciences. 032214
Vitamin A **metabolism** in rats suffering from hypobetalipoproteinemia. 032329
Lipid and *vitamin* **metabolism** during mycotoxicoses [Aflatoxicosis, poultry]. 035425
Bone resorbing activity of *vitamin* D **metabolites** and congeners in vitro: influence of hydroxyl substituents in the a ring. 032215
Roboran H, a **new** *vitamin* preparation for fur-bearing and small domestic animals. 034515
Functional and biochemical tests for the assessment of *vitamin* **nutritional** status. 032284
Determination of the transketolase activity in erythrocytes in studying the consumption of *vitamin* B1 by the **population.** 032483
Vitamins for **poultry.** 034462
Requirement of *vitamin* B6 during **pregnancy.** 032430
Biochemical roles of selenium and *vitamin* E in **prevention** of exudative diathesis in chicks. 035323
Oxidative conversion of *vitamin* A in **rats** with different allowances of it. 032496
Vitamin C: **report** of trials with massive doses. 032330
Vitamin A: not **required** for adrenal steroidogenesis in rats. 032457
Contribution to the *vitamin* **requirement** of poultry. 034297
Fruit roses with a high content of *vitamin* C **[Rosa** rugosa, Rosa canina, Rosa damascena, breeding, varieties]. 038557
Influence of dietary levels of *vitamin* E and **selenium** of tissue and blood parameters in pigs. 034353
The protective effect of *vitamin* E and **selenium** against methyl mercury toxicity in the Japanese quail. 034457
Vitamin E and **selenium** deficiencies (VESD) of domestic animals. 035295
Effects of the ingestion of vitamin E with *vitamin* A on **serum** levels and urinary creatine/-creatinine in children with cystic fibrosis. 032274
Interrelationships between **serum** *vitamins* A and E and lipid fractions in women receiving oral contraceptives. 032290
A **standardized** *vitamin* profile for 174 mothers-neonates. 032258
Studies on the formation on *vitamin* D by **sunlight** irradiation of provitamin D. II. Correlation between yield of vitamin D2 in sunlight irradiated ergosterol solutions and sunlight intensity. 032465
Studies on the formation of *vitamin* D by **sunlight** irradiation of provitamin D. III. Yearly variation of ultraviolet light intensity in sunlight. 032466
Supplementary *vitamins* as a dietetic problem with developing age. Dietotherapeutic approaches. 032391
Synthesis of active forms of *vitamin* D. X. **Synthesis** of 1alpha-hydroxyvitamin D3. 032201
Vitamin E **therapy** in premature babies. 032435
A new natural metabolite of *vitamin* A. 032177
Effects of the ingestion of *vitamin* E with **vitamin** A on serum levels and urinary creatine/-creatinine in children with cystic fibrosis. 032274
Enhancement of two immune reactions by *vitamin* A. 032277

Inhibition of plasmin-mediated fibrinolysis by *vitamin* E. 032396
Vitamin E. 032434
Studies on the nutrient content of the liver, pectoral muscle, total body and eggs of hens as influenced by graded supplies of *vitamin* B6. 034316
Studies of comparative bioavailability of **water-soluble** *vitamins:* A new method. 032311
Studies on the formation of vitamin D by sunlight irradiation of *provitamin* D. III. **Yearly** variation of ultraviolet light intensity in sunlight. 032466
Correlation of *vitamin* A and **zinc** concentration of seminal plasma to fertility of bovine semen. 034454

VITELLINE

Contributions to an analysis of the **avian** *vitelline* membrane's potential to promote outgrowth of the yolk sac-serosal membrane [Chicken eggs]. 033733

VITEX

Simple to scalariform combination perforation plates in *Vitex* **lucens** Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) [Wood anatomy]. 035777

VITICULTURE

Horticulture and *viticulture*—**branches** of agriculture with good prospects for the future. 038470
Economic effectiveness of concentration of *viticulture* on **collective** farms [Costs, returns]. 031504
Ecological aspects of work **concentration** [in *viticulture].* 036215
Communications relating to the 1973-1974 agricultural season. II. The 1974 grape growing season and situation of **French** *viticulture.* 031769
Means of increasing the efficiency of **horticulture** and *viticulture.* 031375
Research on the biology and control of insect pests in **horticulture** and *viticulture.* 037741
Alumni association, a binding link between research, education and practice *[Viticulture,* **horticulture].** 038369
The history of the National Educational and Research Institute [for *Viticulture* and **Horticulture].** 038373
Phenotypes (killer, neutral, sensitive) of yeasts of the genus Saccharomyces [cerevisiae] in *viticulture* and **methods** oftheir determination. 036062
Viticulture in **mountainous** regions of Azerbaijan. 038525
Damage causing **nematodes** in *viticulture.* 038995
Training, yield and wine **quality** *[Viticulture].* 038521
Activities and results obtained in physiological **research** *[Viticulture].* 037740
On the significance of **research** in *viticulture.* 038371
Viticulture in the **United** States of America. 038477

VITIS

Nutritional status of the **grapevine** *(Vitis* vinifera L., variety Lambrusco Salamino) expressed by means of foliar analysis of macro- and microelements. 040867
Increases in yields with heterosis crossings of *Vitis* **vinifera** L. [Grapes]. 036588

VITRO

Effects of dopamine on sinus rate and ventricular contractile force of the dog heart in *vitro* **aand** in vivo. 033833
In *vitro* **absorption** of amino acids by the small intestine of sheep. 034002
Effect of the nitrogen source on the activites of key enzymes of carbohydrate metabolism in cultured plant cells in *vitro* **[Acer** pseudoplatanus]. 037939
Effect of salt and abscisic acid on in *vitro* **activity** of nitrate reductase in seedlings of Phaseolus aconitifolius [Moth beans]. 037611
In *vitro* **activity** of the venom and other components of Loxosceles laeta on human and animal erythrocytes. 039647
Viability and transplantability of developed tumour cell treated in *vitro* with **antitumour** agent C/M2 isolated from a herbal cancer remedy-of Annona senegalensis. 037199
Decanoic acid, a new precursor for the in *vitro* **biosynthesis** of oleic acid by a plant subcellular fraction [Cauliflowerhomogenate]. 037659
A comparative study of the wood destroying capacity in *vitro* of some **butt-rot** fungi in spruce [Picea abies]. 038609
Further study of the mutation process in chinese hamster **cells** in *vitro.* 034815
Genetic variability studies of isoperoxidases and morphological characters in sugarcane subclones produced by "in *vitro"* **culture.** 036633
Callus formation and organogenesis of mature cotyledons of Linum usitatissimum L. variety szokijskij [flax] in *vitro* **culture.** 037436
Meristem-tip in *vitro* **culture** of Cattleya sp. 037839
In *vitro* **culture** of isolated roots of Quercus robur L. 037927
In *vitro* **culture** of ovaries of Rubus [raspberry] species. 038222
Enhanced inhibition of RNA synthesis by amanitins in in *vitro* **cultured** cells [Amanita phalloides, poisonous fungi]. 036925
Development of new forms of pear from embryos **cultured** in *vitro.* 037850
Effects of X-irradiation on cell division, oxygen consumption, and growth medium pH [hydrogen-ion concentration] of an insect [Trichoplusia ni] cell line **cultured** in *vitro.* 039904
Influence of alpha- and beta-ecdysone on the differentiation of the imaginal disks of Drosophila melanogaster, **culturedin** *vitro.* 039928
In *vitro* **cultures** of maize endosperm—a model system for studying in vivo starch biosynthesis. 037389
Dynamics of the circadian mitotic rhythm during formation of Haplopappus gracilis strains during **culturing** in *vitro.* 036462
Guinea pig transfer factor-like activity **detected** in *vitro.* 034147
In *vitro* **development** of haploid embryos of Nicotiana tabacum cultivar Kentucky [Tobacco, tissue culture]. 037352
Studies on the in *vitro* **digestibility** of starch in some legumes before and after germination. 032417
Lesser known oil seeds: a note on their nutritive value as determined by in *vitro* **digestion** [Concentrated protein feeds]. 033524
Chemical composition and in *vitro* **dry** matter digestibility of some important grasses. 034279
Biosynthesis of basement membrane collagen by rabbit corneal **endothelium** in *vitro.* 034037
In *vitro* **evaluation** of fungicides against Helminthosporium spiciferum the causal organism of blight of cotton. 038655
Changes of volatile fatty acids and riboflavin in cecal contents of rabbit in the in *vitro* **fermentation.** 034087
In-vitro **fertilization** of hamster eggs in different media and the stimulating effect of heterologous and homologous spermatozoa. 033640
A comparison of *in-vitro* **fertilization** of rabbit eggs using spermatozoa recovered from the uterus or vagina. 034677
Morphogenesis in explants of Citrus microcarpa bunge **grown** in *vitro.* 037754
The control of prepupal puffing patterns in *vitro;* **implications** for prepupal ecdysone titres in Drosophilia melanogaster. 040218
Bone resorbing activity of vitamin D metabolites and congeners in *vitro:* **influence** of hydroxyl substituents in the a ring. 032215
Androhaploids and restitutional diploids induced in *vitro* as the **initial** material for the analysis and for the selection of characters in synthetic breeding [Tobacco]. 036510
The regulatory role of calcium in 25-hydroxycholecalciferol metabolism in chick **kidney** in *vitro.* 033769
Action of growth hormone in *vitro* on the **net** uptake and incorporation into protein of amino acids in muscle from intact rabbits given protein-deficient diets. 032183
In *vitro* **production** of plants from pollen in Brassica campestris [Bird rape, plant breeding]. 036408
In *vitro* **production** of toxic metabolite by different species of Colletotrichum. 038656
In *vitro* **propagation** of Cordyline terminalis (L.) Kunth [by tissue culture]. 037735
In *vitro* **propagation** of red cabbage (Brassica oleracea L. Var. capitata). 037779
Potentiation by urethane and inhibition by pentobarbitone of oxytocin release in *vitro* **[Rats].** 034056
In *vitro* **release** of gonadotropins from the pituitary of cocks by an analogue of luteinizing hormone-releasing hormone: [Des-Gly-NH210, Pro-ethylamide9] -LH-RH. 034093
Antibody synthesis by chicken spleen cells in *vitro.* I. **Requirements** of B cells at various stages after immunization for T cells, macrophages and antigen. 035057
Preservation of chloroplast membranes, in *vitro* **[Spinach].** 037739
In *vitro* **steroidogenesis** in porcine corpora lutea. 034003
A method for the in *vitro* **study** of drug transfer across ruminal epithelium. 034083
Haemopoietic responses in chick embryos to administration of steroid hormones: an system for the **study** in *vitro.* 034203
In *vitro* **study** on the mechanism of ammonium chloride on the prevention of urolithiasis in fattening cattle. 035352
In *vitro* **synthesis** of lipids in relation to some hematological indexes in rats. 1. High cellulose, low fat content in feed. 034528
In vivo and in *vitro* **synthesis** of yeast [Saccharomyces cerevisiae] mitochondrial DNA. 037102
In *vitro* **tissue** culture of sweetpotatoes, Ipomoea batatas (L.) Lam., for the production of new cultivars. 038458
Infection of Pythium arrhenomanes in *vitro* with **tobacco** mosaic virus and tobacco necrosis virus. 038946
Hormonal control of insect epidermal cell commitment in *vitro* **[Tobacco** hornworm, Manduca sexta]. 039296
Evidence for the presence in calf thymus of a peptidic factor controlling DNA **transcription** in *vitro.* 033797
In *vitro* **transcription** of 70S RNA by the RNA-directed DNA polymerase of Rous sarcoma virus: lack of influence of RNase H [Ribonuclease H]. 035132
Interference between the pathogen of Newcastle disease in poultry and the Rous sarcoma **virus** in *vitro.* 035205
An in *vitro* of **vitamin** D2 hydroxylases in the chick. 034035
Comparison of in *vitro* and in **vivo** cell cycle parameters of lymphoid cells in pig spleens. 033857
Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) liver and intestine during in *vitro* and in **vivo** treatment with aflatoxin B1 [Aflatoxicosis]. 035390
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in *vitro* and in **vivo** [in mice]. 035391
In *vitro* and in **vivo** germination of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. 038611
Nature of disease resistance and susceptibility in leaf blight of wheat caused by Alternaria triticina in **vivo** and in *vitro.* 038699

VIVIPAROUS

Activity of neurosecretory cells in relation to ovarian cycle of the *viviparous* **cockroach** Nauphoeta cinerea (Olivier). 039800

VIVO

Effects of dopamine on sinus rate and ventricular contractile force of the dog heart in vitro **aand** in *vivo.* 033833
Comparison of in vitro and in *vivo* **cell** cycle parameters of lymphoid cells in pig spleens. 033857
In *vivo* **conversion** of 5-oxoproline to glutamate by higher plants. 037202
In *vivo* **excretions** of the blue-green algae Anacystis nidulans and Synechocystis aquatilis in mono- and mixed cultures. 037277
Genetic control of chlorophyll biosynthesis and formation of its **forms** in *vivo.* 036543
In vitro and in *vivo* **germination** of spores of Marssonina brunnea (Ell. et Ev.) P. Magn [Agent of leaf spot of Populus]. 038611
The subcellular distribution of 239Pu [plutonium isotopes] in rat liver parenchymal cells after exposure in *vivo* and **invitro.** 033913
A comparative study on the irreversible binding of labeled halothane trichlorofluoromethane, chloroform, and carbon tetrachloride to hepatic protein and lipids in vitro and in *vivo* [in **mice].** 035391
Analysis of greening in virescent mutants of maize by in *vivo* **spectrophotometry.** 037381
In vitro cultures of maize endosperm—a model system for studying in *vivo* **starch** biosynthesis. 037389
An in *vivo* **study** of the action of type A2 influenza virus on the chromosomes of animal cells. 034600
The sperm acrosome reaction and fertilization in the guineapig: a **study** in *vivo.* 034701
Do carbonylamine browning reactions [in food] occur in *vivo?* **[Tests** with rats and human plasma]. 032340
The *in-vivo-determination* of **total** body fat with "DDE" (1,1-dichloro-2,2- bis (p-chlorophenyl)ethylene) [Chickens]. 039601
Incorporation of [2-14C [carbon isotope] acetate into lipids of mink (Mustela vison) liver and intestine during in vitro and in *vivo* **treatment** with aflatoxin B1 [Aflatoxicosis]. 035390
In *vivo* and in **vitro** synthesis of yeast [Saccharomyces cerevisiae] mitochondrial DNA. 037102
Nature of disease resistance and susceptibility in leaf blight of wheat caused by Alternaria triticina in *vivo* and in **vitro.** 038699

VOACANGA

Structure of new alkaloids from the leaves of *Voacanga* **thouarsii.** 036853

VOCATIONS

Farmers by *vocation.* 031012
Rabbit rearing in Hungary: *vocational* **occupation** with export possibilities. 033657

VOLATILE

Determination of *volatile* **aromatic** compounds in sparkling apple wine. 033340
On the *volatile* **bases** and the volatile fatty acids in pork during the storage at low temperatures [Keeping quality]. 033045
The effect of micronutrients on **certain** *volatile* components of grapes and wine. 041120
Amines of the *volatile* **components** of bread baked from dough prepared by different methods. 033149
Volatile **components** of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the pecan weevil, Curculio caryae]. 037760
Identification of some *volatile* **compounds** from Citrullus vulgaris [Watermelon]. 037806
Formation of *volatile* **esters** in strawberries. 033319
On the volatile bases and the *volatile* **fatty** acids in pork during the storage at low temperatures [Keeping quality]. 033045
Changes of *volatile* **fatty** acids and riboflavin in cecal contents of rabbit in the in vitro fermentation. 034087
Effect of different types of rations on some characteristics of the ruminal and intermediary metabolism in sheep. 1. Formation of *volatile* **fatty** acids. 034305
Volatile **heterocyclic** compounds in the reaction of glyoxal with glycine [Food flavor]. 032855
Effects of light on concentrations of some *volatile* **materials** in milk. 032977
Mechanism of **monoterpene** *volatilization* in Salvia mellifera. 037168
Identification of *volatile* **organic** contaminants in Washington, D.c. municipal water. 041680
The constituents of the **stream** *volatile* oil form Chrysanthemum coronarium L. var. spartiosum Baileg. 037758
Formation of *volatile* **sulfur** compounds by microbial decomposition of slfur-containing amino acids in soils. 040798

Aging of wine: qualitative changes in the *volatiles* of **Zinfandel** wine during two years. 033321

VOLCANOES
Pollen analysis of the **buried** *volcanic* ash soil at the foot of the volcano, Iwate. 036106
Groundwater behaviour in Tenerife, *Volcanic* **Island** (Canary Islands, Spain). 041354
Pollen analysis of the buried volcanic ash soil at the foot of the *volcano,* **Iwate.** 036106
Nitrogen in the *volcanic* **soils** of Caldas (Colombia). 040694
Potassium-calcium exchange equilibria in *volcanic-ash* **soils.** 040768

VOLES
Growth and reproduction of the **field** *vole* Microtus agrestisL.) in forest plantations [Pests]. 038956

VOLTAMMETRY
Anodic **stripping** *voltammetry*—a new, simple answer for lead residue analysis [in food]. 032016

VOLUMETRY
Determination of total nitrogen in wine [raw] materials by the *volumetric* **method.** 033457

VOLVOCALES
The life history and ecology of the snow alga Chloromonas pichinchae **(Chlorophyta,** *Volvocales).* 037155
Microspectrophotometric analysis of DNA replication in Eudorina **elegans** *(Volvocales,* Chlorophyta) [Algae]. 036339

WAGES
Relative changes in prices received by farmers and **hourly** *earnings* of employees of food marketing firms. 031625
Rural savings, wage remittance effects and real **industrial** *wage* determination. 031442
Improvement of labor organization and *wages* in **mechanized** teams [in fiber flax growing farms]. 031355
The **minimum** *wage* and foodservice. 032571
Rural savings, *wage* **remittance** effects and real industrial wage determination. 031442

WALKING
Genetic studies on *walking* **behavior** in Drosophila melanogaster. I. Selection and hybridization analysis. 039655

WALL
Cell *wall* structure and mechanical properties of Phycomyces[Fungi]. 036319
Localization of enzymes in the **cell** *walls* of Neurospora crassa [Fungi]. 036993
Carrageenans in the **cell** *walls* of Chondrus crispus Stack. (Rhodophyceae, Gigartinales). I. Localization with fluorescent antibody [Algae]. 037152
Structural changes of the plasmalemma during **cell** *wall* regeneration of isolated protoplasts from stem callus of Skimmiajaponica Thunb. 037207
Localization of growth-inhibiting action of aluminium ions in elongating **cell** *walls* [Pea roots]. 037706
Detection of **cell** *wall* breaking ability by cellulase of Alternaria brassicae (berk.) Sacc. [Potatoes]. 038603
Properties of polysaccharides liberated from **cell** *wall-materials* during the macerating action by pectolytic enzyme, endo-PTE, of soft rot pseudomonad [Pseudomonas marginalis isolated from lettuce]. 038851
Relative costs of *wall* **construction** for underfloor manure-storage tanks [for a confinement swine unit]. 040370
Sarcocysts in sheep: differences in **cyst** *wall* structure. 035156
A contribution to determining the forces used by drinking calves to the **front** *wall* of the single box and during the shift. 040313
Constructional design of the **front** *walls* of rearing stalls with large trough for sows with litter. 040317
Suckling mouse cataract agent is a **helical** *wall-free* prokaryote (spiroplasma) pathogenic for vertebrates [Rabbit ticks, Haemaphysalis leporis-palustris]. 039492
Hyphal *wall* growth in Neurospora crassa and Geotrichum candidum [Fungi]. 037050
Sieve-element ultrastructure in Platycerium bifurcatum and some other polypodiaceous ferns: the **nacreous** *wall* thickening and maturation of the protoplast. 036267
On the polylamellate structure of **parenchyma** *wall* in PHyllostachys edulis Riv. 035775
Microfibrils in primary and **secondary** *wall* growth develop trellis configurations [Wood cells]. 035716
The degree of *cell-wall* **thickening** as a measure of the maturity of cotton fibres. 033272
High density **"tree** *walls"* [in apple and peach orchards]. 038363
Paphiopedilum **venustum** *(Wall.)* Pfitz. 036102

WALNUTS
Rooting of *walnut* **[Juglans]** grafts depending on the supply of water. 037667
Navel orangeworm control through early harvest [Insect **pests** of *walnuts].* 039324
Anthracnose of *walnut* **trees** (Juglans regia L.) produced by Phyllosticta juglandis (D.c.) Sacc. 038785

WAREHOUSES
Methods and costs for the *warehouse* **assembly** of grocery orders for small stores [Wholesale marketing]. 031687
Advanced mechanization operations for **grocery** *warehouses;* an evaluation and projection. 032722

WARMTH
Heating the seeds of fiber flax with *warm* **air** [for increasing germination percentage]. 037785
Annotated bibliography on mushroom culture in countries with *warm* **climates,** 1971-1975. 038450
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of Xanthium strumarium L. after pretreatments in *warm* and **cold** growth chambers. 037200
Studies of life-mode of Cercospora sequoiae Ell. Et Ev. In a *warm* **district** of Japan. V. Conidial production at different temperatures [Cryptomeria japonica]. 038737
Wine making by mash heating; **long-term** *warming* as an alternative to high heat for a short time. 033466
Herbicides for weed control during establishment of *warm* **season** turfgrasses. 039171

WASHING
Washing does not **affect** bloom or keeping quality of lamb carcasses. 031992
Effect of *washing,* **cooking** and dehydration on the removal of some insecticides from okra (Abelmoschus esculentus Moench.). 032082
A horizontal sediment bowl with **hydroaerodynamical** *washing* [for the control of deposits in irrigation canals]. 041249
Determination of irrigation rates for a **thorough** *washing* irrigation. 041400
The dynamics of the content of atrazine in *washing* **waters** as related to the levels of the herbicide and of the mineral fertilizers with lime applied previously [Maize]. 039524

WASHOUT
Kinetics of the red **cell** *washout* from coronary vessels of isolated feline hearts. 033847

WASPS
Chalcid *wasps* from [cabbage] butterfly [Pieris brassicae] pupae [Parasites, Apanteles glomeratus, Pteromalus puparum]. 039347
Observation on the biology and seasonal abundance of an **encyrtid** *wasp* [Hunterellus, a parasite of ticks [Ixodes, Haemaphysalis, Ornithodoros] in Queensland. 039483
An assemblage of uropodid mites on a *wasp's* **[Rhagium** inquisior] nest. 039700
The ecology and behavior of a subsocial pentatomid bug [Antiteuchus tripterus limbativentris] and two **scelionid** *wasps* [Trissolcus bodkini, Phanuropsis semiflaviventris]: strategy and counterstrategy in a host and its parasites. 039914

WASTE
Great Britain's first show of machines for removing **agricultural** *wastes.* 040535
Fermentation of **agricultural** *wastes* by yeast. 041496
The use of respirometric methods for assessing the biodegradability of different components of **agricultural** *wastes.* 041649
Studies on the production of furfural from **agro-industries** *wastes* under normal pressure. 041596
Economic feasibility of *waste* as **animal** feed. 033538
Regulating **animal** *waste* feeds. 033541
Separating the liquid and solid excreta in **animal** *waste* disposal. 041483
The use of *waste* **bananas** for swine feed. 034376
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by **bird** *offal* and forage yeasts meal at normal protein level. 034533
Industrial waste waters in rural districts [Brewing and **canning** *wastes].* 041675
Cellulosic *wastes*—feed or fibre. 033536
Gas chromatographic analysis in *waste* **chemistry** [Contaminants]. 041527
Liquid chromatographic analysis in *waste* **chemistry.** 041531
Paper chromatographic analysis in *waste* **chemistry.** 041534
Thin-layer chromatographic analysis in *waste* **chemistry.** 041537
Economic constraints for *waste* **conversion** and a way around them. 041593
Environmental problems in the meat industry *[Waste* **disposal].** 041589
Transportation and *waste* **disposal.** 041595
Land application of municipal **effluent** *waste* [for irrigation] on turf. 041049
Recommended design of sample intake systems for automatic instrumentation [Measurement of water quality and *waste* **effluents].** 041509
Digestibility of untreated and sodium hydroxide treated steer **fecal** *waste.* 034466
College students recruited for war on **food** *waste.* 032574
A checklist for disposing of **food** *waste* woes. 032650
DDT analog depletion patterns in steers **[Gin** *trash,* residues]. 039566
Waste and **health** protection. 032045
The economics of *waste* **heat** utilization for controlled environment [greenhouse] production of agricultural products [Costs]. 031437
Instrumentation for biological monitoring of **industrial** *wastes.* 041576
Industrial *waste* waters in rural districts [Brewing and canning wastes]. 041675
Processing poultry **industry** *wastes* as feed: the European experience. 033540
Contributions of the North Rhine-Westphalian Water and *Waste* **Institute** to the general planning of water management. 041444
China recycles her *wastes* by using them on the **land.** 040898
The technique of sprinkling with **liquid** *waste* from livestock farms. 041277
The point on recovery of materials [Recycling of *waste* **materials].** 041654
Nitrogen [for sugarbeets]: why *waste* **money?** 040892
Variations of the **municipal** *waste* effluent quality and the implications for monitoring. 041587
Reduction of *wastage* during **post-harvest** handling of bananas in the Sudan. 033471
Poultry *waste* products as feed for mink. 033582
Poultry *waste* in a commercial feeding operation [Beef cattle, dairy cattle]. 034379
Shrimp extract from **prawn** *waste* [Fishery products]. 032797
Parameters affecting the viscosity of chitosan from **prawn** *waste* [Fish processing]. 032868
The use of coffee **processing** *waste* as animal feed [Calves]. 034372
Treatment of potato **processing** *waste* water on agricultural land. 041610
A laboratory evaluation of *trash* **racks** for drop inlets [to prevent plugging of closed-conduit spillways that release waer from floodwater-retarding resevoirs]. 040539
Consumer acceptance of *waste* **recycling.** 031650
Animal agriculture and *waste* **recycling.** 041591
Scullery *waste* could rob you of $21,000/yr. 032660
Effects of baled **solid** *waste* disposal in the marine environment—a descriptive model [Water and air pollution]. 041470
Trends in *waste* **solid** disposal in U.S. Coastal waters, 1968-1974. 041475
The Cal Recovery System: resource recovery system for dealing with the problems of **solid** *waste* management. 041501
The combined composting of *waste* **straw** and sewage sludge. 041130
Cell protein as animal feed from thermophilic digestion of **swine** *wastes.* 033535
The feeders priorities *[Waste* **utilization** as feed]. 033542
Waste **utilization** as animal feed in the U.S. 033544
Technological interests in proteinic tanning residues *[Waste* **utilization,** pollution]. 041503
A risk perspective on *waste* **utilization.** 041590
Commercial feed drying systems for processing & **utilizing** *waste* as feed. 033537
Experiments for producing fodder from **vegetable** *waste* in Cuba. 033509
Effects of *waste* **water** on corrosivity [of irrigation equipment]. 040516
Heavy metals application and plant uptake in a land disposal system for *waste* **water.** 041606
A semiautomated procedure for the determination of phosphorus in water, *waste* **waters** and particulates. 041459
Ever better boards from *waste* **wood.** 035713

WASTEWATERS *see* **WATER**

WATER
Effect of ceca removal on *water* **absorption** in chickens. 034092
Effects of baled solid waste disposal in the marine environment—a descriptive model *[Water* and **air** pollution]. 041470
Application of luminescence methods for determination of aromatics in *water* **[Algae,** oil, pesticides, pollution]. 041564
Estimates of **allowable** *wastewater* discharges—field surveys and analysis of data. 041571
A portable linear thermistor temperature indicator *[Water* **analysis].** 041292
Efficient strategies for sampling and monitoring *[Water* **analysis].** 041301
Monthly determinations of the concentrations of sodium, potassium, magnesium and calcium in the rain and in pools on the Silver Flowe National Nature Reserve *[Water* **analysis,** Sphagnum cuspidatum]. 041351
Ion-exchange **analysis** in *water-pollution.* 041528
Immunochemical analysid of *water-soluble* **antigens** of chick retina in the course of embryogenesis. 035106
State of Wisconsin **automatic** *water* quality monitoring system for the Fox and Wisconsin Rivers. 041325
Study of the self-diffusion of *water* in **biological** objects by the method of nuclear spin echo using pulse gradient of the magnetic field [Plants, mice]. 033879
Water-blooms **[Blue-green** algae]. 036831
The influence of salinity on the growth of some plankton diatoms from **brackish** *water.* 037140
Water use by saltcedar [Tamarix pentandra] as measured by the *water* **budget** method [Evapotranspiration]. 037934
Genetic polymorphism and enzyme activity of plasmic alkaline phoshatase in the *water* **buffalo.** 034607
Levels of *water-soluble* **carbohydrate** in the pre-anthesis ear of wheat, and grain set per spikelet. 037485
Some aspects of the influence of Derno-Podzolic soils on the *water* **chemical** composition of Mozhaisk water storage. 040846
Reaction kinetics for positive charge accumulation on the *water* side of **chloroplast** photosystem II [Spinach]. 037697

Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a new record for north-western Atlantic **coastal** *waters* [Algae, new taxa]. 036110
Seasonal changes in two algal populations from the **coastal** *waters* of Washington State. 036224
Coccolithophorid distribution and ecology in **coastal** *waters* of North Norway [Phytoplankton]. 036237
Trends in waste solid disposal in U.S. **Coastal** *waters*, 1968-1974. 041475
Use of silver and zinc to trace sewage sludge dispersal in **coastal** *waters*. 041476
Cold *water* soaking process for the storage of chestnuts. 033427
An automated management system for the **complex** *water* installations on Zeravshan River [Irrigation]. 041253
Trials and tribulations in operating an automatic stream-quality sensing network *[Water,* **computers].** 041334
Auxin-induced hydrogen ion excretion: correlation with growth, and control by external pH [hydrogen-ion **concentration]and** *water* stress [Oats]. 037528
[Meadow] plant communities in the Tysmienica river valley before and after regulation of *water* **conditions.** 036257
Effect of soil and *water* **conditions** on the rural landscape around Wouw, North Brabant. 040570
Conflicting *water* requirements in New Zealand. Implications for tomorrow's agriculture. 041362
Water **conservation** and waterfowl in north eastern Australia. 041288
Water **consumption** and irrigation regime in principal agricultural crops. 041420
Food and *water* **contamination** with heavy metals. 032039
Impact of food and *water* **contamination** on gestation and infant growth. 032044
The *water* **content** of muscle and cuticle of the woodlouse Oniscus asellus in conditions of hydration and desiccation. 039682
The interdependent effects of soil temperature and *water* **content** on soil respiration rate and plant root decomposition in arid grassland soils. 040804
Neutron logging in partially saturated media *[Water* **content].** 041578
Recovery and re-use of butter **cooling** *water* [Pollution control]. 041624
Effects of *water* on **country** road construction. 040395
Master planning to avert a *water* **crisis** [Golf course, irrigation system]. 041406
Remote sensing instrumentation and methods used for identifying center pivot sprinkler irrigation systems and estimating **crop** *water* use. 041320
Effect of *water* **crystallization** on spermatozoids during freezing of [stallion] semen. 034808
Specific effects on enzyme activities upon dilution of Petroselinum hortense cell **cultures** into *water*. 036787
Effect of *water* **deficiency** on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to wilt [caused by drought]. 037426
Water **deficit** and inflorescence development in Zea mays L. [Maize]. 037350
Effect of *water* **deficit** on deuterium intake and transport in winter wheat. 037414
Content of phoshorus of nuclei acids and the intensity of respiration in leaves and roots of wheat as affected by *water* **deficit.** 037569
Quabbin reservoir: a study of drought and *water* **demand.** 041347
The occurrence of the blue-green alga Oscillatoria agardhiiGom. in some *waters* **discharging** into the Lauwersmeer (the Netherlands). 036021
Infectious **diseases** from *water*. 032031
Effect of mineral fertilizers on surface and **drainage** *water* [Pollution]. 041673
The survival of Mycoplasma pumonis in **drinking** *water* and inother materials. 032158
Research on the poisoning of chickens by mercury administered with **drinking** *water*. I. Evaluations of growth and feed consumption; clinical remarks; anatomico-pathological. 035402
Equipment used to meet health regulations for **effluent** *water* use [for irrigation]. 040517
Water and **electrolyte** metabolism in farm animals. 034234
Electromagnetic *water* current meter. 041302
Changes of phosphorus and potassium compounds in soddy-podzolic and Grey forest soils under the effect of *water* **erosion.** 040721
Water **erosion** [of soils] and the problem of its study at present. 041187
Microbiological considerations on pollution and **eutrophication** of *waters*. 041599
Crambe [abyssinica] seed processing: removal of glycosinolates by *water* **extraction** [Crambe meal preparation]. 033551
On reliability of [soil] chemical analysis data of *water* **extracts.** 040735
Efficiency of enamel varnish insulation on stator windings during operation of electric pumps in *water* **[Farm** equipment]. 040392
On **farm** *water* storage. 041236
Cleansing of *wastewater* from the **feed** preparation area for fur-bearing animals [Pollution]. 041622
SIngle velocity method in measuring [stream] discharge *[Water* **flow].** 041322
Flow-velocity and stress tensor [in **flowing** *water]* determined by experiment. 041303
Role of photosynthetic bacteria in **foul** *water* purification. 041641
Ecological studies on algal-lysing bacteria in **fresh** *waters*. 036211
On the determination of soluble humic substances in **fresh** *waters*. 041284
Brackish-water and **fresh-water** species of the diatom genus Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036108
Analysis of trace quantities of oil [pollution] in *water* by **gas** chromatography. 041563
Movement of carbaryl through Congaree soil into **ground** *water*. 039573
Nitrogen in soil cores and **ground** *water* under abandoned cattle feedlots. 040674
Thick Bh [humate] horizons in the North Carolina coastal plain. I. Morphology and relation to texture and soil **ground** *water*. 040779
Soil and **ground** *water* salination in the Stara Zagora irrigation system. 041401
Specific conductance identifies perched and **ground** *water* lakes. 041436
System of open and **ground** *waters* on meadows of the Huczwa river valley near Werbkowice. 041464
Effect of anaerobic swine lagoons on **ground** *water* quality. 041652
Effect of the drop of **ground** *water* level on soil and vegetation properties in the area adjacent to the electric power plant "Lower Oder". 041684
Pressure wave transmission through surge tanks. An experimental set-up to study the influence of valve closure time [Reservoir, *water* **hammer].** 041316
Control in internal browning of 'Schmidt' sweet cherries [due to bruising during mechanical harvest] by **handling** in *water*. 033385
Conceptions developed so far and recently recommended in respect to **harmful** *water* abundance (inland waters) and discussion of forms of damage. 041218
Transport of *water* and **heat** in a frozen permeameter [Soils]. 040783
About the calculation of the efficiency of capital investments in the constructions for the control of **high** *waters* and soil erosion. 031463
International Commission on Irrigation and Drainage and its role in the development of irrigation, drainage and control of **high** *waters* in the world. 041261
Spectral analysis techniques for evaluating **historical** *water* quality records. 041324
Action of growth substances on the initial development of sugarcane [shoots] treated with **hot** *water* [Budding, rooting]. 037378
Humectant *water* sorption isotherms [for use in foods]. 032812
Membrane treatments of cider making and starch **industry** *wastewaters*. 041466
Conceptions developed so far and recently recommended in respect to harmful water abundance **(inland** *waters)* and discussion of forms of damage. 041218
An assessment of eutrophication in Australian **inland** *waters[Pollution,* algae, macrophyta]. 041492
The manipulation of the flow of solid substances during the *water* **intake** from the Amu Darya River. 041272
Experience of utilization of *water* **intakes** on mountainous rivers. 041256
One hundred and twenty years of cooperation in control of floods and **interior** *waters* on the left bank of the Vah River. 041227
Evapotranspiration as a basis for **irrigation** *water* requirement calculations. 041219
Testing of **irrigation** *water* prevents soil and crop damage. 041243
The operation of pipelines and hoses under high muddiness of **irrigation** *water*. 041273
Improve quality of **irrigation** *water*. 041338
Remarks on the economic efficiency of **irrigation** *water* [Maize, cost, returns]. 041343
An alternative model for **isosmotic** *water* transport [across low resistance epithelia]. 033931
Measurement of complexing capacity of **lake** *waters*. 041283
Radioisotope studies showing the role of phosphorus in the formation of a large molecular weight organic compound present in **lake** *water*. 041285
Nitrogen in crops and **leaching** *water* using nitrate and ammonium nitrogen as fertilizers. Lysimeter experiments 1962-1972. 041107
Leaf conductance and **leaf** *water* status of sesame strains in hot, dry climates. 037392
Aggravations in the maintenence of bodies of *water* **[Legislation].** 041441
Some effects of agricultural development and fluctuations in *water* **level** on the phytoplankton productivity and zooplankton of a New Zealand reservoir [Eutrophication]. 041522
Influence of measurement accuracy of topographic data on calculation of *water* **levels** profiles. 041305
Soil and *water* **loss** from impoundment terrace systems [Agricultural watersheds]. 041392
Seasonal dynamics of **lysimetric** *water* composition in the profile of a sandy podzolic soil of a larch forest (Karelian isthmus). 040741
Integrated solution of *water* **management** problems on the Lubanskaia Lowland. 041259
The utilization of a system analysis in reclamation [by irrigation and drainage] and *water* **management.** 041278
Automatic processing of hydrometric and hydrometeorologic data *[Water* **management].** 041299
Water **management**—are we on the right track? 041336
Contributions of the North Rhine-Westphalian Water and Waste Institute to the general planning of *water* **management.** 041444
Mathematical alternative models in *water* **management.** 041452
References to the planning and control of groundwater subsidence *[Water* **management].** 041455
FAO/UNDP [United Nations Development Program] pilot project paves the way for use of **marginal** *water* sources. 041344
Calculated availability of **maximum** *water* requirements in protective projects. 041438
The electrostatic flow meter *[Water* **measurement].** 041330
New electronic flow **measurement** for *wastewater*. 041579
Standardized test method using protozoa for **measuring** *water* pollutant toxicity. 041647
Precleaning of *wastewater* in **meat** industry plants by means of the "Hydrasieve" equipment. 041685
Gypsum application to water and soils during irrigation with **mineralized** *water*. 040727
Velocity measurement of *water-air* **mixture** [Speed measuring system]. 041335
Water **movement** into and through Tradescantia virginiana (L.) leaves. I. Uptake during conditions of dynamic equilibrium. 037043
Some aspects of the influence of Derno-Podzolic soils on the water chemical composition of **Mozhaisk** *water* storage. 040846
Identification of volatile organic contaminants in Washington, D.c. **municipal** *water*. 041680
The **national** *water* data exchange—how it will benefit you. 041331
Pneumatic level and open channel flow **[natural** *water]* measuring systems. 041315
Engineering aspects of the coagulation of colloidal particles in **natural** *waters*. 041634
New *water* mites (Acari, Hydrachnellae) from Australia. 040170
Economic use of *water* with **nitrogen** fertilization and assessment of suitable indices for scheduling irrigation in sugarcane. 041339
A note on seasonal variation in **normal** *water* intake by indigenous and crossbreed sheep. 034278
Protection of the *waters* in **North** Rhine-Westphalia from radioactive pollution. 041676
Sequential substrate removal in activated sludge systems fed with naturally **occurring** *wastewater*. 041643
Watering of **oilpalm** nurseries in polybags by sprinkler. 041364
The dynamics of nitrogen and phosphorus cycling in the **open** *waters* of the Chesapeake Bay [Phytoplankton, algae]. 036721
Optimising *water* usage a challenge to industry. 041245
Investigations of a model of the system montmorillonite + *water-soluble* **organic** substances [Soil formation]. 040827
A system for rapid identification of **organic** *water* pollutants. 041629
The economics of *water* **oriented** outdoor recreation in the Kissimmee River Basin [Land use]. 031165
Effect of surface applied sulfuric acid on *water* **penetration** into dry calcareous and sodic soils. 041040
Simultaneous analysis of dissolved metal **pollutants** in *water*. 041481
Water **polluted** with detergents and hydrologic characteristics of farm lands. II. Investigations on the stability of [soil] structure. 040567
Aquatic plants [Weeds, *water* **pollution].** 039131
Plant management in aquatic systems [Herbicides, *water* **pollution].** 039193
Chemical and bacterial cycling of heavy metals in the estuarine system *[Water* **pollution].** 041468
Chemical factors influencing metal alkylation in *water* **[Pollution].** 041469
Nutrient budgets in the Hudson River estuary [Sewage treatment, *water* **pollution].** 041472
Pollutant inputs and distributions off southern California *[Water* **pollution].** 041473
The Mediterranean sea condemned to death because of inadequacy of legislation *[Water* **pollution].** 041479
Variations of biochemical oxygen demand and dissolved oxygen in a steady stream by integration of a hyperbolic differential equation *[Water* **pollution].** 041485
Dynamic behavior of vinyl chloride in aquatic ecosystems *[Water* **pollution].** 041506
Recent studies on biological effects of crude oils and oil-dispersant mixtures to Red Sea macrofauna *[Water* **pollution].** 041508
Gas chromatographic analysis in *water* **pollution.** 041526
Liquid chromatographic analysis in *water* **pollution.** 041530
Paper chromatographic analysis in *water* **pollution.** 041533
Thin-layer chromatographic analysis in *water* **pollution.** 041536
Water **pollution.** 041546
A chloride reduction model for the Rhine River *[Water* **pollution].** 041559
Assessment of urban runoff quantity and quality *[Water* **pollution].** 041565
Determining the tolerance of a recreational lake for development and usage *[Water* **pollution].** 041570
Oil spill prevention by early detection of oil on *water* **[Pollution].** 041580
Rapid determination of phenol content of *water* **[Pollution].** 041582
Remote sensing instrumentation and methods [Control of *water* **pollution].** 041583
Bifidobacterium as an indicator of faecal **pollution** in *water*. 041630
Current status of paper reprocessing effluent characteristics and disposal practices *[Water* **pollution].** 041669
The status of *water* **pollution** control in the Soviet Union [Pulp and paper production]. 041670
Isolation and fractionation of *water-soluble* **polysaccharides** from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032710
The structures of *water-soluble* **polysaccharides** isolated from bamboo [Phyllostachys edulis] shoot [Food chemistry]. 032712
Technologica supply of *water-soluble* **polysaccharides** of grapes. 033462
Notes on two fungi [Cladosporium oxysporum, Fusariella obstipa] from **pond** *waters*. 036029
Engineering forecasting and the measures for **preventing** *water* erosion of soils. 041155

Pricing *water* in Louisiana. 041237
Sensitizing the general public to the *water* **problem.** 041240
Irrigation [of potatoes] with potato **processing** *water.* 041356
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to *water-soluble* **products** by microorganisms [Environmental contamination]. 039557
Agrochemical characteristics and *water-physical* **properties** of Tatar Chernozems on limestone. 040810
Effect of alkaline cations on the electrophoretic spectrum of *water-soluble* **proteins** of tomato leaves. 037861
Snythesis of trickling filter and activated sludge processes *[Water* **purification].** 041677
Technology and *water* **purification** in the sugar industry. 041678
Forest management and *water* **quality.** 035536
Effluent [for irrigation] as defined by *water* **quality.** 041048
A carbon rod atomizer for analysis of trace metals in *water* **[Quality].** 041289
A *water* **quality** monitoring system for NOAA [National Oceanic and Atmospheric Administration] data buoys. 041295
Analysis of Kissimmee River flows for *water* **quality** effects. 041297
On compression of *water* **quality** data. 041313
Problems relating to the measurement of near surface drift currents and a possible solution—the Tethered Drogue current meter *[Water* **quality].** 041317
Quality control requirements for *water* **quality** instruments and measurements. 041318
Quantitative analysis of coagulation process in aqueous systems: an application of the Coulter Counter technique *[Water* **quality].** 041319
Some observations of velocity fluctuations in a strongly stratified estuary using an ultrasonic transit-time-difference current meter *[Water* **quality].** 041323
Telemetric surveillance system for *water* **quality** management on the lower Fox River. 041327
Water **quality** data collection programs: Environment Canada. 041337
The development of a harmonized monitoring programme for rivers in the United Kingdom *[Water* **quality].** 041422
Strategies for *water* **quality** monitoring. 041424
The perception and valuation of *water* **quality:** a review of research method and findings. 041427
Recommended design of sample intake systems for automatic instrumentation [Measurement of *water* **quality** and waste effluents]. 041509
Automated chemical analysis for *water* **quality** measurement [Pollution control]. 041566
Water **quality** of urban storm runoff. 041588
Nitrogen and sulfur content and pH of precipitation in Iowa [Hydrogen-ion concentration , air pollution, *water* **quality].** 041607
Self-purification capacity of impoundments *[Water* **quality,** algae]. 041681
Deep breaking up of compacted soils, affected by successive surplus and shortage of **rain** *water.* 041192
Relationships between the denitrification capacities of soils and total, *water-soluble* and **readily** decomposable soil organic matter. 040802
Capacity of *water-based* **recreation** systems. III. Methodology and fndings. 041651
Effect of sulphur eficiency on *water* **regime** and intensity of pea and wheat photosynthesis. 037701
On the application of *water* **regime** and soil characteristics in the diagnosis of excessive moisture. 040736
The manipulation of the *water* **regime** of soils on the basis of thorough analysis of the requirements of plants. 041271
Regulation of the *water* **regime** on agricultural lots and flood control, a premise to secure high yields. 041417
Methods of irrigation and *water* **regime** of lucerne as affecting its morphological structure and root system. 041423
Deep loosening of soil **regulates** *water* economy. 041170
Investigations on the *water* **regulation** of the Nidda Reservoir. 041451
Studies in dynamics of *water* **release** from plant tissue at superhigh frequencies. 036935
The benefits of a systems approach to **remote** *water* sensor data acquisition. 041329
Wastewater **renovation** and reuse: urgent environmental need. 041502
Consumptive use and *water* **requirement** of dwarf wheat in light textured soils of Rajasthan. 041231
Study of the *water* **requirements** of sunflower. 3. 037460
Study of the *water* **requirements** of sunflower. 2. 037461
Water **requirements** of the crops in the irrigated areas of the Bras de la Plaine [Reunion]. 041229
A data acquisition and processing system for *water* **research.** 041291
Water-supply **reservoirs:** how much storage space remains? [Sedimentation]. 041350
Irrigation system for **residual** *waters* of Braunschweig, Federal Republic of Germany. 041416
Treatment of brewery **residual** *waters.* 041494
The worldwide need for *water* **resource** data. 041333
An entire hidden world for exploration *[Water* **resources].** 041224
A single state system of regulation and interbasin redistribution of *water* **resources** [in the USSR]. 041250
Interpretation of ERTS-1 [Earth Resources Technology Satellite] images of selected sample areas in Alberta *[Water* **resources].** 041307
Sampling design, collection and anlaysis of watershed soil samples for *water* **resources** management. 041321
The future of *water* **resources** in northeastern Illinois. 041348
Possibilities of opening up *water* **resources** in Somalia (East Africa). 041454
On some molecular mechanisms **retaining** *water* in plant cells. 037264
Water **retention** by core and sieved soil samples. 040785
Contributions of the North **Rhine-Westphalian** *Water* and Waste Institute to the general planning of water management. 041444
Determination of inorganic pollutants in **river** *water* with ion selective electrode. 041604
Nutrients lost in debris and **runoff** *water* from a burned chaparral watershed. 041377
Use of **saline** *water* in agriculture. I. Description of the system [Irrigation]. 041232
Water use by **saltcedar** [Tamarix pentandra] as measured by the water budget method [Evapotranspiration]. 037934
About the primary stage in the soil formation under mangrove vegetation in **sandy** *shallow-water* regions of the CaribbeanSea. 040610
Separation of water-soluble and *water-insoluble* **saponins** from rhizones of Dioscorea deltoidea. 036774
Comparison between refrigerated **sea** *water* (with or without added carbon dioxide) and ice as storage media for fish to be subsequently frozen. 032739
Action of ADH [antidiuretic hormone], cyclic AMP [adenosine monophoshate] and theophylline on salt and *water* **secretion** in dog salivary glands. 033929
Water and **sediment** routing from small watersheds. 041398
Aerial photographic monitoring of **selected** *water* quality parameters. 041296
Maximizing denitrification during soil filration of **sewage** *water.* 040671
The prevention of the formation of **shallow** *water* and the utilization of diked lands in the zone of the Krasnodar Reservoir [for growing rice]. 041275
The preparation of **simulated** *water* samples for the purpose of bacteriological quality control. 032090
A million gallons of *water* for a **single** acre of food [Irrigation]. 041460
Use of *water* **slurries** in aflatoxin analysis [Food, feed, contamination]. 032071
A paper disc technique for the recovery of Pythium spp. From **soil** or *water.* 038750
Influence of surface active **agents** on movement of *water* in **soil.** 040660
Mobile device for sampling of **soil** *water.* 040682
Classification and management of saline seeps in western North Dakota **[Soil** *water].* 040697
Prediction of **soil** *water* content changes in [irrigated and non-irrigated] Pangola **grass** [Digitaria decumbens] pastures. 040842
The environmental statistics law *[Water* and **soil** pollution]. 041679
Gypsum application to *water* and **soils** during irrigation with mineralized water. 040727
The influence of the degree of polymerisation of *water* **soluble** carbohydrates on their loss during hay drying in the field. 033589
Brackish-water and *fresh-water* **species** of the diatom genus Skeletonema Grev. I. Skeletonema subsalsum (A. Cleve) Bethge [Algae]. 036108
Long time storage of beech [Fagus] logs under *water* **sprinklers** [Phialophora fastigiata, Coryne sarcoides, Hypoxylon coccineum]. 035733
Drying of *water-* and **sprinkler-stored** beech [Fagus]. 035732
Watermites (Hydrachnellae, Acari) from **standing** *waters* in Guatemala. 040148
Interrelation of *water* **state** and energy metabolism of winter wheat leaves. 037417
Instrumentation for urban **stormwater** and *wastewater.* 041575
Gas exchange of three cool semi-desert species [Artemisia tridentata, Gutierrezia sarothrae, Agropyron spicatum] in relation to temperature and *water* **stress.** 037037
Effects of *water* **stress** on the ultrastructure of leaf cells of Sorghum bicolor. 037520
Development of *water* **stress** in kale leaves of different insertion levels. 037663
Effect of *water* **stress** on the rate of non-suberized impervious tissue formation following wounding in Abies grandis [Susceptibility to insect and fungal pathogens]. 037919
Influence of microelements in a sporulation medium on **subsequent** *water* requirements for germination of Verticillium albo-atrum conidia. 038694
Effect of excess hydraulic pressure on yield and composition of *water-soluble* **substances** extracted from larch wood. 035807
The natural history of the Hardangerfjord. 12. The late **summer** *water* exchange in 1956, its effect upon phytoplankton and phosphate distribution, and the introduction of an offshore population into the fjord in June, 1956. 037255
Influence of soil moisture regimes and soil fertility levels on *water* use by **summer** fodder maize. 040696
Odorous compounds in *water* **supplies:** identification of camphor and p-methylacetophenone. 041355
Rooting of walnut [Juglans] grafts depending on the **supply** of *water.* 037667
Guidelines for the selection of turbine pump materials for use in groundwaters [Irrigation equipment, *water* **supply].** 040454
"A comparative study of the correlation between differing techniques for obtaining evaporation data derived for severalareas of the world when applied to arid climates." *[Water* **supply].** 041290
The *water* **supply** of Rome. 041349
Sediment transport studies in the Delta-Mendota Canal and the California Aqueduct *[Water* **supply].** 041384
Models to determine the design period of *water* **supply** systems in developing countries—capacity expansion. 041453
Test drillings and pump tests in the "Vogelsberg" Hesse *[Water* **supply].** 041456
Water **supply** problems on the Guajira Peninsula (Colombia). 041458
Integrated utilization of underground and **surface** *waters* for irrigation. 041260
Inventory of the degree of **surface** *water* pollution in France. 041636
Implementation of new technologies in the design of an automatic liquid sampling **system** *[Wastewater].* 041573
Detection of triazine herbicides and their degradation products in **tile-drain** *water* from fields under intensive corn (maize) production. 039558
Study of the influence of paramagenetic impurities of the relaxation of protons of the [plant] **tissue** *water* using the Overhauser effect. 036914
A statistical regression model of greenhouse **tomato** *water* exchange. 037718
Water-vapor **transfer** from fluttering [citrus] leaves within a plant canopy. Field observations and laboratory experiments. 037797
The effect of *waterlogging* on the **transpiration** of some tree seedlings [Fraxinus excelsior]. 037912
The acinar ion and *water* **transport** processes in exocrine glands. 033943
Automatic monitoring of effluents—a feasibility study *[Wastewater* **treatment].** 041567
Improvements in chlorine residual analyzers [Water and *wastewater* **treatment].** 041574
Cationic surface-active agent as bactericide *[Wastewater* **treatment].** 041627
Comparison of methods for measuring leaf and **tuber** *water* potentials in potatoes. 037627
Potato leaf and **tuber** *water* potential measurements with a pressure chamber. 037628
Irrigaton with **underground** *waters* in the Azerbaijan SSR. 041262
Measurement techniques for the prospection, exploitation and protection of gas saturated **underground** *waters* as applied in Czechoslovakia. 041311
Consolidation tests in refilled lysimeters **[Underground** *water].* 041442
Evaluation of methods for preserving the levels of soluble inorganic phosphorus and nitrogen in **unfiltered** *water* samples. 041352
Comparative studies of plant growth and distribution in relation to *waterlogging.* IX. The **uptake** of potassium by dune and dune slack plants. 037035
Changes in **urinary** *water* and electrolyte excretion in sodium-loaded sheep in response to intravenous infussion of arginine vasopressin. 034159
A study on *water* **vapour** trapping during freeze-drying [Food]. 032735
Comparison of the changes in net photosynthetic CO2 [carbon dioxide] uptake and *water* **vapour** efflux during leaf ontogenesis with the differences between the [tobacco] leaves according to their descending insertion level. 037367
Description and properties of a capacitive measuring system for **varying** *water* levels and water waves. 041300
Studies of comparative bioavailability of *water-soluble* **vitamins:** A new method. 032311
The dynamics of the content of atrazine in **washing** *waters* as related to the levels of the herbicide and of the mineral fertilizers with lime applied previously [Maize]. 039524
Effects of **waste** *water* on corrosivity [of irrigation equipment]. 040516
A semiautomated procedure for the determination of phosphorus in *water,* **waste** waters and particulates. 041459
Heavy metals application and plant uptake in a land disposal system for **waste** *water.* 041606
Treatment of potato processing **waste** *water* on agricultural land. 041610
Industrial **waste** *waters* in rural districts [Brewing and canning wastes]. 041675
Improvements in chlorine residual analyzers *[Water* and **wastewater** treatment]. 041574
Application of remote sensing to crop identification and *water* use. 041298
Separation of *water-soluble* and **water-insoluble** saponins from rhizones of Dioscorea deltoidea. 036774
Description and properties of a capacitive measuring system for varying water levels and *water* **waves.** 041300
Mercury in some New **Zealand** *waters* [Quality]. 041363

WATERFOWL

Floating islands for *waterfowl* in **Arizona.** 041661
Water conservation and *waterfowl* in **north** eastern Australia. 041288

WATERMELONS

Biochemical changes in a resistant and susceptible variety of *watermelon* due to **infection** by Alternaria cucumerina. 038675
Zinnia elegans Jacq.—the latent host of *watermelon* **mosaic** virus. 038896
Watermelon **rind** necrosis [Erwinia, Bacillus] in Imperial Valley. 038855
Watermelon **variety** trials in Arkansas. 038268
Identification of some volatile compounds from Citrullus **vulgaris** *[Watermelon].* 037806

WATERSHED

Soil and water loss from impoundment terrace systems **[Agricultural** *watersheds].* 041392
Sediment yield from steep lands [forest slopes] in the driftless **area** *[Watersheds].* 041385

The use of color infrared photography for the determination of suspended sediment concentrations and source **areas** *[Watersheds].* 041396
Debris flows following wildfire in north **central** *Washington[Watersheds,* forest management]. 035499
Nutrients lost in debris and runoff water from a burned **chaparral** *watershed.* 041377
Nitrate movement and its distribution in the soil profile of differentially fertilized **corn** *watersheds* [in Iowa]. 041043
Sediment yields from a Mississippi **Delta** *watershed.* 041386
Pesticide concentrations and yields in runoff and sediment from a Mississippi **Delta** *watershed.* 041625
Simulating erosion dynamics with a deterministic **distributed** *watershed* model. 041391
Sedimentation in Coon Creek Valley, Wisconsin **[Eroded** *watershed].* 041388
Effect of land use on sediment delivery ratios **[Erosion** on *watersheds].* 041371
Watershed **erosion** model validation for southwest Iowa. 041399
Instrumentation for hydrologic research on the Reynolds Creek **Experimental** *Watershed.* 041306
Sedimentation of a **flatland** *watershed* in Louisiana. 041389
Sediment storage in channels draining small **forested** *watersheds* in the mountains of central Idaho. 035500
Sources and sediment yield of **Hawaiian** *watershed* and coastal sediments. 041393
USDAHL [United States Department of Agriculture Hydrograph Laboratory]-74 revised model of *watershed* **hydrology.** A United States contribution to the International Hydrological Decade. 041432
The hydrologic and sediment processes in **natural** *watershed* areas. 041395
Sediment sources and yields from sagebrush [Artemisia] **rangeland** *watersheds.* 041383
Time series data analysis and synthesis for **research** *watersheds* [Mathematical models]. 041234
Hydrologic instrumentation in the **research** *watersheds:* St. Louis Heights and Waahila Ridge, Oahu, Hawaii. 041304
Hydrologic land use classifications of the Patuxent **River** *watershed* using ERTS [Earth Resources Technology Satellite]-1 digital data. 041365
Urban hydrology for **small** *watersheds.* 041104
Water and sediment routing from **small** *watersheds.* 041398
A new approach to the estimation of low-frequency floods for **small** *watersheds:* eastern slope, Pennsylvania. 041426
Sampling design, collection and anlaysis of *watershed* **soil** samples for water resources management. 041321
Application of a parametric model to simulate flows from an **urban** *watershed.* 041425
Gaging sediment-laden flows with V-notch **weirs** *[Watersheds].* 041374

WAVES

The slow *wave* in the **circular** muscle of the guinea-pig stomach. 034080
Radiotelemetric methods of investigation [Effects of **electromagnetic** *waves* on swine digestion]. 034229
Pressure *wave* transmission through surge tanks. An experimental set-up to study the influence of valve closure time [Reservoir, water hammer]. 041316
Effect of **ultrasonic** *waves* on the biological properties of bakers' yeast [Saccharomyces cerevisiae]. 032717
The influence of **ultrasonic** *waves* on basic microorganisms of wine. II. The relationship between the effect of ultrasonic waves on the physicochemical composition of bactericides in a workable medium. 033346
Description and properties of a capacitive measuring system for varying water levels and **water** *waves.* 041300

WAX

Triterpenoids, *wax,* **alcohols** & other constituents from Acacia senegal Willd. 036990
Physico-chemical properties of natural and paraffin-adulterated **bee's** *wax.* 032925
Ultraviolet-induced changes in **cuticular** *waxes* of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). 039669
The application of *wax* **emulsion** to reduce losses on long-term storage of apples. 033379
Rapid wet-ashing of biogenous fats, oils, *waxes* and **foodstuffs** of high lipid content using hydrogen peroxide under high temperature and pressure. 032820
Comparison of the digestibility and nutritive value of trench silage of **Funk's** *G-Waxy* 3 and Dekalb XL 316 maize varieties [tested on ruminants]. 034284
Pleiotropic effect of *waxy* **gene** in indica rice [Varieties]. 036579
Quantitative and qualitative variations in **leaf-surface** *wax* in three varieties of wheat varying in susceptibility to blight caused by Alternaria triticina. 038708
Effect of chemical modifications on the ultrastructure of corn, *waxy* **maize,** and tapioca starches. 033203
The influence of intracoelomal injections of solutions and suspensions on the phagocytosis with larvae of the *wax* **moth,** Galleria mellonella (L.). 039644
True *waxes* of Saprophytic mycobacteria [isolated from various soils]. 040688

WEANING

Protein quality of two varieties of high lysine maize fed alone and with black beans or milk in normal and **depleted** *weanling* rats. 032306
Management and nutrition of **early** *weaned* pigs. 1. Effect ofage at weaning upon incidence of scours, performance and survival. 033661
Early *weaning* and intensive fattening of lambs. 034361
Fattening **early** *weaned* lambs. 034394
Nutritional studies with the **early** *weaned* neonatal pig [Baby pigs]. 034414
Management and nutrition of **early** *weaned* pigs. 2. Effect ofvarying levels of fiber in the diet upon incidence of scours, performance and survival. 034473
Management and nutrition of **early** *weaned* pigs. 3. A comparison between machine-fed and hand-fed pigs. 034474
Effect of enzyme preparation addition to mixtures for **early** *weaned* piglets and broiler chickens. 034535
Reproductive potency of sows reared as baby pigs by **early** *weaning.* 034863
The value of meat and bone meal as the major protein concentrate in the diet of *weaners* and **fattening** pigs in the tropics. 034377
Management and nutrition of early weaned pigs. 1. Effect ofage at *weaning* upon **incidence** of scours, performance and survival. 033661
Factors **influencing** *weaning* performance in Florida BCIA [Beef Cattle Improvement Association] herds [Breeds]. 034593
Performance of **lambs** *weaned* at different weights. 033663
Effect of dried grass and whole grain in the diet of *early-weaned* **lambs** on performance and carcass fat quality. 034296
Preweaning **maternal** heterosis of backcross and three-breed cross beef dams [Cattle]. 034732
Study on litter size and litter weight at birth and *weaning* in **middle** White Yorkshire pigs [heritability]. 034652
Preweaning **mortality** in pigs. 6. Incidence and causes of pneumonia [Streptococcus, Haemophilus parahaemolyhticus, Bordetella bronchiseptica]. 035174
The effect of dietary concentrations of digestible energy on the performance and carcass characteristics of *early-weaned* **pigs.** 034277
Late effect of **premature** *weaning* on blood cholesterol levelsin adult rats [Diet]. 032414
Early effects of feeding lysine and threonine deficient and supplemented rice diets on distribution and synthesis of molecular species of phosphatidyl choline in *weanling* **rat** liver. 032405
Fertility and calf performance to *weaning* at **Southhampton** farm. 034794
Prevention of coli enterotoxemia in *weaned* **swine** [Edema disease]. 035212
Comparisons of exotic- and Brahman-sired crossbred calves for birth and *weaning* **traits.** 034721

WEAR

About the *wear* of **beater** bars [in the fiber flax scutching machine]. 040504
Untimely presence of *wear* and **tear** on tractor driver seats. 040538

WEATHER

Adverse *weather* in Brazil cuts wheat crop estimate [Production]. 031598
The effect of *weather* and **climate** on the effectiveness of fertilizers. 040950
Data **concerning** *weather* and climate. 031103
Weather **conditions** before maturity and dormancy in wheat in relation to prediction of sprouting. 037564
Weather **conditions** and airborne conidia of Helminthosporiumoryzae in west Bengal [Brown spot disease, rice]. 038667
The effect of *weather* **conditions** on infection by coffee berry disease [Colletotrichum coffeanum]. 038740
Controlling **cool** *weather* turfgrass diseases. 1. 038988
Weather, **development** of grapes, diseases, pests and damages in vineyards in the German Federal Republic during 1974/75. 039075
Influence of *weather* on **frogeye** leaf spot [Cercospora nicotianae] incidence on cigarette tobacco. 038696
Weather **variability:** important factor in the food crisis. 031097
Research concerning the number of *weather-permitting* **work** days in the spring for soil cultivation [Tillage]. 041144

WEATHERING

The change of humid tropical crusts of *weathering* in the **process** of soil formation under conditions of moderate arid climate. 040575
Two types of soils developed over the **reddish** *weathering* crust of the western part of Georgian SSR. 040609

WEB

The fertilization of Chamaenerium **angustifolium** *(Web.)* Grossh. 036660

WEDGE

Irrigation of winter wheat in *wedge-shaped* **furrows.** 041461

WEED

Soil pH [hydrogen-ion concentration] **affects** *weed* growth, too. 039129
Forage nutritive value and palatability of 12 common **annual** *weeds.* 034355
General approach to biocontrol of *weeds* in **Canada.** 039152
Plant **cane** *weed* control at Mossman. 039109
Contributions to **chemical** *weed* control in winter wheat. 039089
Chemical *weed* control—effective and economical. 039127
Studies on **chemical** *weed* control in groundnut (Arachis hypogaea L.). 039144
Guide to **chemical** *weed* control. 039168
Chemical *weed* control in peach orchard. 039185
Chemical *weed* control in coffee chicory and endive. 039186
Weed **communities** in the north Slovakian mountain area. 036209
Studies on clonal selection of sugarcane with *weed* **competition** [Heredity]. 036635
Biotic interference with insect imported for [biological] *weed* **control.** 039098
Weed **control** research in sugarbeets. 039103
Weed **control** with plant pathogens and nematodes. 039105
How to avoid hormone damage in Q80 **[Control,** *weeds].* 039108
Marguerite daisy [Bellis] *weed* **control** trial; progress report. 039120
Weed **control** and effect of four preemergence herbicides in transplanted Shasta daisy [Chrysanthemum maximum]; progress report. 039122
Weed **control** and phytotoxicity of herbicides in Dutch Iris; progress report. 039123
Weed **control** in German statice [Limonium tataricum]; progress report. 039124
Weed **control** in Gypsophila [paniculata]; progress report. 039125
Weed **control** in heather [Erica persoluta]; progress report. 039126
Weed **control** in a fruit tree nursery with herbicide-impregnated string. 039130
Studies on alfalfa grown after cutting dodder (Cuscuta) infection: changes in content and nature of phenolics *[Weed* **control].** 039134
A review of *weed* **control** in tobacco using Tillam E (Pebulate). 039146
Weed **control** in tea [Current practices in Sri Lanka, East Africa, South India, and Indonesia]. 039148
Herbicides for *weed* **control** during establishment of warm season turfgrasses. 039171
Effects of Probe on *weed* **control** in containers [Woody ornamentals]. 039175
Weed **control** in containers [with the herbicides] Tolban, Ronstar and Devrinol [Woody ornamentals]. 039177
Texas research taps insects for brush and *weed* **control** [Biological control]. 039180
Weed **control** in vegetables under glass. 039187
Residue problems in *weed* **control** [Food contamination]. 039194
Genetic problems in the production of biological [insect pests and *weeds]* **control** agents. 039202
Effects of the granular soil fumigant Basamid on germination, growth, *weed* **control,** and nutrition of Pinus radiata seedlings in the Benalla nursey. 040578
Controlling *weeds* in young grapes. 039164
Increase yield of pulses by **controlling** *weeds.* 039165
The most important **dicotyledonous** *weed* species in winter and spring cereal, their regional distribution and their dependence on soil types. 039195
Efficient *weed* control of cereals. 039118
Chemical control of *weeds* of **fiber** crops with linuron in France. 039157
Susceptibility of some soft and hard wheat varieties to herbicides used for control of *[weedy]* **grasses.** 039097
Experiments on the effect of **hormone** *weedkillers* [herbicides] on sugarbeet. 039137
Studies on saprophytic survival of Xanthomonas citri (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially **infested** *weeds,* plant residues and soils. 038852
The dollars and no sense of crop **losses** from *weeds.* 039153
Model calculations and data requirements for a business assessment of *weed-killing* **methods.** 039102
Weeds in **pastures** [Control, herbicides]. 039096
Peas—*weed* control. 039088
Roundup—the end of **perennial** *weeds* [Sorghum halepense, Cynodon dactylon, Cyperus rotundus] in tree and vine crops? [Stone fruits, grapes]. 039104
Bioassays in *weed* **research** [Herbicides, pollution]. 039189
Organization of *weed* **research.** 039192
Maps of *weeds* on a **scale** of 1:10 000 at the farms of the Agricultural State Enterprise Sarulesti. 039160
Education and training in *weed* **science** in Europe. 039190
Weed **seeds** in dockage in Manitoba. 039106
Biological, chemical, and other factors influencing strategies for **selective** *weed* control. 039132
Results of four years of grazing experiments with Dactylis glomerata associated with five different legumes. I. Evolution of the soil-covering ability of the seeded **species** and some *weeds.* 037973
Weed **species** of sugarcane in the Argentine Republic. 039179
For *weed-free* **stands** of lupine. 038193
Phytophagous insects of the *weed* **Trichodesma** incanum (Bge.) D. C. in Uzbekistani. 039114
Aquatic plants *[Weeds,* **water** pollution]. 039131
Chemical control of **winter** *weeds* in areas for cotton. 039128
Winter *weeding* of forage legumes. 039156

WEEDICIDES *see* HERBICIDES

WEEVILS

A bibliography of the **alfalfa** *weevil,* Hypera postica (Gyllenhal), and the Egyptian alfalfa weevil, Hypera brunneipennis (Boheman). Supplement III. 039264
Evaluation of insecticides for control of Egyptian **alfalfa** *weevil* [Hypera brunneipennis]. 039265
Potential controls for **alfalfa** *weevil* [Hypera postica] in Pennsylbania: insecticides, petroleum distillates, and flaming. 039301
Bionomics of the **anthonomine** *weevils* [Anthonominae, pests of fruits]. 039317
Field experiments on the control of the **bean** *weevil* (Acanthoscelides obtectus Say, Coleoptera, Bruchidae) by the release of sterile adults. 037798
Studies on the characteristics of fumigants. III. Emergence at its developing stage of the adsuki **bean** *weevil,* Callosobruchus chinensis L. from stored beans afer fumigated with hydrogen phosphide. 039423
Curbing **boll** *weevil* [Anthonomus grandis] egg hatch [Cotton]. 039254
Control of the **clover** *weevil* [Rhynchophora] in the cultivation of clover seed. 039305
Reaction of sweet potato varieties to the damage of the *weevil,* **Cylas** formicarius (Fab.) (Coleoptera: Curculionidae) and on the possibility of picking up of infestation by weevil. 039351
A **new** *weevil* of the genus Dorytomus [kerzhneri] Germ. (Coleoptera, Curculionidae) from the USSR. 040064
Volatile components of pecan leaves and nuts, Carya illinoensis Koch [as possible attractants of the **pecan** *weevil,* Curculio caryae]. 037760
Food relations of *weevils* of the **subfamily** Apioninae (coleoptera, Curculionidae) with trees and bushes. 039214
A review of the *weevils* of the **tribe** Cyphicerini (Coleoptera, Curculionidae) in the USSR. 040066

WEIGHT

Relationship between the volume of the beef carcass and the *weight* of its **anatomical** and chemical components. 033040
A theory of **animal** *weight* response to controlled feeding. 034421
A simple assessment of the risk of low **birth** *weight* to select women for nutritional intervention. 032257
Systems analysis in nutrition and health planning: approximate model relating **birth** *weight* and age to risk of malnutrition. 032314
Variation in **birth** *weight* due to season of calving in different filial groups of Brown Swiss crossbred calves. 033967
Potassium concentration in bovine muscle as influenced by carcass location, breed, sex, energy intake, age and shrunk **body** *weight.* 033089
Temperature-induced changes in metabolism and **body** *weight* of cattle (Bos taurus). 033850
What **body** *weight* for laying hens. 033975
Variation of the pre- and post-parturation **body** *weight* in the dairy cow. 034592
Follicular population and **body** *weight* in relation to genetic differences in ovarian response to gonadotropin in rats. 034662
Intensification of beef cattle production by achieving high **carcass** *weights* in fattening bulls. 033108
Analysis of *weight* **distribution** for a log on undersling device and on the ground in the process of semi-undersling skidding. 035828
Transformation factor from carbon dioxide net assimilation to **dry** *weight* in crops. II. Peanut. 037546
Transformation factor from carbon dioxide net assimilation to **dry** *weight* in crops. III. Rice. 037547
The Carcass value of pigs slaughtered at **equal** *weight* or same age. 1. Comparison of the mean values and variation coefficients. 033044
Weight, **feed** uptake, and slaughter age in broiler production. 033621
On dependence of **fruit** *weight* upon the number of seeds in pear trees. 036366
General and specific combining ability for mean **fruit** *weight* in a tomato (Lycopersicon esculentum Mill.) diallel cross. 036474
Use of a method for the comparison of *weight* **gains** of calves stabled at different liveweights. 033676
Feeding studies with broilers fed wheat rich in crude protein. 1. Experimental procedure, *weight* **gains,** food consumption and food efficiency. 034309
The fatted calf: more *weight* **grain** with less feed. 034486
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the **1000-grains** *weight* and seed germination of wheat. 038132
Pre- and postnatal litter size of mice selected for **high** *weight,* gains at different levels of feeding. 034618
Estimating aspen [Populus tremuloides] volume and *weight* for **individual** trees, diameter classes, or entire stands. 035627
Big gain in *weight* of **lambs** submitted to intensive fattening, led to intensive fattening, fed with adequate rations. 034484
Changes in leaf area and specific **leaf** *weight* of sugarbeet leaves during the growing season. 037388
Study on litter size and **litter** *weight* at birth and weaning in middle White Yorkshire pigs [heritability]. 034652
Meat: towards better understanding of the mechanism of *weight* **loss.** 033051
Cooling and freezing times and *weight* **losses** of meat under U.k. [United Kindgom] commercial conditions. 033047
Technological control of dry sausage ripening. V. Quality of dry sausages as a function of **molecular** *weight* of added carbohydrates. 033068
High **molecular** *weight* RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain two subunits. 035105
Effect of polyelectrolyte **molecular** *weight* and stock agitation on filler retention [Paper manufacture]. 035881
Isolation of a low **molecular** *weight* active fragment of potato proteinase inhibitor IIb. 037766
Effect of heat shock on the synthesis of low **molecular** *weight* RNAs in Drosophila: accumulation of a novel form of 5S RNA. 039671
Haemolymph proteins in Porcellio laevis Latreille (Porcellionidae, Isooda): the **molecular** *weight.* 039683
Radioisotope studies showing the role of phosphorus in the formation of a large **molecular** *weight* organic compound present in lake water. 041285
Filamin, a **new** *high-molecular-weight* protein found in smooth muscle and non-muscle cells [Chickens]. 034146
Young bull production economics and **optimal** *weight* decrease under different conditions [Costs]. 031515
Ratio of the body length and *weight* in **Pachyiulus** flavipes and Amblyiulus continentalis (Diplopoda, Juloidea). 039973
The relationship between crop yield (or mean **plant** *weight)* of lettuce and plant density, length of growing period, and initial plant weight. 038389
Study of *high-molecular-weight* **polyphosphates** at different stages of development of Acetabularia crenulata [Algae]. 037282
Stem and primary **product** *weights* for longleaf pine [Pinus palustris] sawtimber trees. 035626
Density of wood and *weight* **productivity** of birch stands in Leningrad Region. 035805
The difference of **pupa** *weight* measurements in Tribolium andits effects on selection responses. 039656
A program of *weight* **reduction** in children. 032689
Weighing the **risks** and responsibilities of a HACCP [Hazard Analysis Critical Control Point] inspection [Food processing]. 032024
Correlation between the *weight* of **root** and sugar content in di- and tetraploid variety line sugarbeet hybrids. 037570
Emergence and organ elongation of seedling of paddy rice sown under upland field condition as affected by specific gravity and *weight* of **seed.** 037542
Correlation between the *weight* of **seeds** and of seedlings in the field. 037248
Performance of lambs **weaned** at different *weights.* 033663

WEIRS

Gaging sediment-laden flows with **V-notch** *weirs* [Watersheds]. 041374

WELFARE

Insects and **human** *welfare.* 039783

WELLS

Epidemiological studies on Salmonella in a particular area ("Walcheren Project"). I. The presence of Salmonella in man, swine, insects and seagulls as *well* as in **foods** and effluents. 035214
Chiana cattle do *well* on **marginal** lands [Capital, costs]. 031420
Possibilities of increasing the limit service life of motors and motor components by good maintenance and servicing, as *well* as by **operative** elimination of damage. 040431
Fertilizers **pay** *well* even under dryland conditions [India]. 040945
Proof and isolation of iridoid glucoside from Galeopsis tetrahit L. (Labiatae) as *well* as **structure** elucidation of gluroside. 037148

WESTERN

Zygaena orana in *western* **Algeria,** with the description of anew subspecies Zygaena orana tafnae [Lepidoptera, Zygaenidae). 040079
Regular elongated strip fields and Frankish colonization: an investigation of their relations in the *western* **areas** of the Upper Rhine and in other German districts [Land, history]. 031185
Planktoniella sol (Wallich) Schutt, (Bacillariophyceae, Coscinodiscaceae), a new record for *north-western* **Atlantic** coastal waters [Algae, new taxa]. 036110
Botany in *western* **Australia:** a survey of progress: 1900-1971. 036042
Effects of moisture stress on the growth and reproduction of three annual species [Helichrysum cassinianum, Helipterum craspedioides, Aristida contorta] from an arid region of *Western* **Australia.** 037036
Incidence of inclusion hepatitis of broilers in four localities of the *Western* **Bohemia** Region [Chickens]. 035263
Occurrence of Phagocarpus permundus in Vogelsberg and its *western* **border** region (Diptera, Trypetidae). 040078
Mycotoxin determinations on animal feedstuffs and tissues in *Western* **Canada.** 035401
Western **chicken** teriyaki with curried peaches. 032614
Interesting floristic finds in *western* **Chukotka.** 035976
Harvesting, packing, and **cooling** *western* Iceberg lettuce. 033396
The question of radial land settlement in *western* **East** Germany [History]. 031190
Predictions after the show "Floralies de Gand": outlook for flower culture [in *Western* **Europe**]. 038386
A new species of Pemphigus [trehernei] Hartig (Homoptera: Aphidoidea) from *Western* **Europe.** 040089
Change in the content of humus and in its qualitative composition under the effect of the agricultural use of thick Chernozem in the *western* **forest** steppe of the Ukraine. 040814
Elongated strip field and previllage, a contribution to the land settlement geography of *western* **Germany** [History]. 031174
Some economic aspects of the present and future food situation in the *Western* **Hemisphere.** 031846
Root rot and stem decay following commercial thinning in *western* **hemlock** [Tsuga heterophylla] and guidelines for reducing losses. 035471
Laboratory tests of 1-(4-chlorophenyl)-3(2,6 difluorobenzoyl) urea on survival of *western* **hemlock** looper [Lambdina fiscellaria lugubrosa]. 039383
A survey of haematophagous arthropods in *western* **Himalayas,** Sikkim and hill districts of West Bengal: records of mosquitoes collected from Himalayan region of Uttar Pradesh with ecological notes [Anophelinae, Culicinae]. 039462
Transportation of *western* **Iceberg** lettuce, yesterday, today, and tomorrow. 031672
Unitized handling of *western* **Iceberg** lettuce. 033406
Entrenchment of drainage systems in *western* **Iowa** and northwestern Missouri. 041372
Response of *western* **larch** [Larix occidentalis] to changes in stand density and structure. 035693
Research to improve transit environments for *western* **lettuce.** 031671
Gray leaf spot-resistant Lupinus angustifolius L. Germplasm from plant exploration in the *western* **Mediterranean** region [Stemphylium solani, Stemphylium botryosum]. 038596
Two **new** *western* Culicoides (Diptera: Ceratopogonidae) which are vectors of filaria in the California vallley quail [Culicoides multidentatus, Culicoides lophortygis]. 040003
Strawberry cultivation in 1975 in *western* **North** Brabant. 038516
Classification and management of saline seeps in *western* **North** Dakota [Soil water]. 040697
Long range transport of toxaphene insecticide in the atmosphere of the *western* **North** Atlantic [Pollution]. 041617
Marine algae of *western* **Norway** species distribution and ecology. available reports. 036138
Two types of soils developed over the reddish weathering crust of the *western* **part** of Georgian SSR. 040609
Productivity and management of mulga [Acacia aneura] in *south-western* **Queensland** in relation to tree structure and density [Grazing, sheep, cattle]. 037975
Agrotechnics for onions in *western* **regions** of the Ukraine. 038528
The influence of Sclerotium rolfsii, mulches and season on dwarf bean (Phaseolus vulgaris) yields in *Western* **Samoa.** 038562
Bulgaria **seeks** *Western* know-how to spur farming [Management]. 031283
Effect of deflation on soil formation in *Western* **Siberian** tundra. 040722
Interactions of nematodes with other pathogens [Fungi, bacteria] attacking plants in the *Western* **States.** 039065
Grapes in *western* **Switzerland** in 1975. 038479
Assessment of storage losses, quality and pesticidal contamination in wheat available in the markets of *western* **Uttar** Pradesh, Punjam and Haryana. 5. 039531
Choosing and using *western* **vegetables** [Recipes]. 032446

WET

Comparative *wet-digestion* and dry-ashing of orange and Schefflera [actinophylla] leaves for nutrient determinations. 037730
Comparison of mineral acids in *wet* **digestion** of plant materials for flame and flameless atomic absorption measuremnt of metals. 037284
A *wet-sieving* and **flotation** technique for the detection of resting sporangia of Synchytrium endobioticum [potato wart disease] in soil. 038563
Rapid *wet-ashing* of biogenous fats, oils, waxes and foodstuffs of high lipid content using hydrogen peroxide under high temperature and pressure. 032820

WETHERS

Effect of dietray calcium and phosphorus levels on the incidence of urinary calculi and on urine and serum mineral levels in *wethers* **[Sheep].** 035351

WETLANDS *see* MARSHES

WHEAT

Chromosome constitution in cultured callus cells from four aneuploid lines of the homoeologous group 5 of Triticum **aestivum** *[Wheat].* 036575
Investigations into the ripening of *wheat* **affected** of various amounts of nitrogen fertilizer. 037493

Content of phoshorus of nuclei acids and the intensity of respiration in leaves and roots of *wheat* as **affected** by water deficit. 037569
A comparison of nitrogenous fertilizers **applied** to *wheat.* 040948
Assessment of storage losses, quality and pesticidal contamination in *wheat* **available** in the markets of western Uttar Pradesh, Punjam and Haryana. 5. 039531
Wheat, **barley** and corn silages for growing steers and lambs. 034418
The effect of simultaneous short term action of streptomycin and humate on plants *[Wheat,* **barley,** Crassula portulacea]. 037370
Varieties and hybrids of agricultural crops cultivated under conditions of irrigation *[Wheat,* **barley,** soybeans, sunflowers, Dactylis glomerata, Lolium perenne, Festuca gigantea]. 038121
Pathogenicity of Cercosporella herpotrichoides to *wheat,* **barley,** oats and rye [Eyespot disease]. 038821
Activity of beta-glucosidase in plants with different boron requirements [Maize, *wheat,* **beans**]. 037578
Flag smut [Urocystis tritici] of *wheat* is **becoming** a serious problem in Punjab. 038782
Digestibility and nutritional value of some forages (white clover hay, ryegrass, carrot-roots and *wheat* **bran**) for ponies. 034282
Nutritional bioassay of wheat grain for a *wheat* **breeding** program. 032303
New varieties, problems with *wheat* **breeding.** 036531
Evaluation of lysine content in [barley and *wheat]* **breeding** material by the colorimetric method. 037572
Some aspects of the application of fertilizers to *wheat* on **Brown-Reddish** forest soil. 041054
Registration of **Cardon** *wheat.* 036447
Chemical nature of disease resistance and susceptibility in leaf blight of *wheat* **caused** by Alternaria triticina. 038648
Nature of disease resistance and susceptibility in leaf blight of *wheat* **caused** by Alternaria triticina in vivo and in vitro. 038699
Activation of trypsinogen in the normal and coeliac intestine [damaged by the gliadin fraction of *wheat* and other **cereals**]. 032462
Wheat in **cereal-sugarbeet** crop rotation. 038206
Radiobiological studies in Triticum [wheat]. II. Response to chronic and acute gamma irradiation of 25 ditelocentric lines of *wheat* cv. **Chinese** Spring. 036482
The history of all organisms is inscribed in the **chromosomes** *[Wheat].* 036580
Tests of male fertility restoration in some **common** *wheat* varieties (Triticum aestivum L). 036382
Grain development and amylase activities in rye and triticale **compared** with *wheat.* 037486
Comparative studies on the physiology of leaf, neck and earhead isolates of Helminthosporium sativum Pam., King and Bakke parasitic on *wheat* **crop** in Karnataka. 038748
Green Revolution and mineral nutrient removal [from the soil] by *wheat* under different **crop** rotations [Soybeans, pearlmillet, cotton, maize]. 040657
Inheritance of flour protein content in a *wheat* **cross** between C 273 X S 308 [Varieties]. 036605
Genetics of stem rust [Puccinia graminis tritici] resistance in *wheat* **cultivars** Romany, Es.p 518/9, Bonny and Tama. 038593
Adverse weather in Brazil **cuts** *wheat* crop estimate [Production]. 031598
Assessment of the quality loss in *wheat* **damaged** by Trogoderma granarium Everts during storage. VI. 039425
Some aspects of **damaging** *wheat* crops under conditions of Romania. 039052
Genetic control of sterol esterification in **developing** *wheat* endosperm. 036393
Hybrid dwarfness of *wheat* **Dika** Triticum persicum Vav. 036519
Metabolism of protein and nucleic acids during adaptation to various types of **drought** *[Wheat].* 037429
Influence of the chemical fertility of the soil and the ash content of **durum** *wheat* grown in northern Italy. 037351
[Pesticide] residues in milled products of **durum** *wheat.* 039542
Consumptive use and water requirement of **dwarf** *wheat* in light textured soils of Rajasthan. 041231
The effect of phytohormones and inhibitors on the growth of pea and *wheat* **dwarfs** during presowing treatment of seeds. 037399
Intravarietal hybridization of *wheat* and its **effect** on the quantitative characters and amino acids. 036614
Utilization of iron from **enriched** *wheat* bread by normal and anemic rats. 032198
Influence of spray fertilization combined with various herbicides on the chemical composition and technological **features** of *wheat.* 039091
Feeding studies with broilers **fed** *wheat* rich in crude protein. 1. Experimental procedure, weight gains, food consumption and food efficiency. 034309
Feeding studies with broiler **fed** *wheat* rich in crude protein. 2. Carcass yields and carcass composition. 034310
Wheat **feminization** and polygeny. 036397
Relative reaction of different varieties of *wheat* to **flag** smut [Urocystis tritici] in Punjab. 038709
Simple, rapid quantitative determination of lysine and arginine [in *wheat* **flour** and rat tissues] by thin-layer chromatography. 032343
A sugar-free formula for regular and high-protein breads *[Wheat* **flour,** soy flour]. 033189
Correlation of dough [of *wheat* **flour**] stickiness with texturometer reading and with various quality parameters. 033202
The effect of temperature on some rheological properties of *wheat* **flour** doughs. 033273
Falling number and amylograph viscosities of *wheat* **flour** made from grain stored for several years. 033281
Flours made from edible yams (Dioscorea spp.) as a substitute for *wheat* **flour.** 033417
Appraisal of yield loss in *wheat* due to **foliage** diseases caused by Alternaria triticina and Helminthosporium sativum. 038674
Biological changes in the rhizosphere of *wheat* after **foliar** application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. 037435
Methyl bromide fumigation. I. Effect of high dosages on breadmaking quality and **germination** of *wheat.* 033206
Physiological and genetic effects of seed treatment with tetramethylthiuram disulfide (TMTD) *[Wheat,* **germination,** chromosome]. 036465
Effect of irrigation, fertilization and CCC [chlorocholine chloride] treatment on the 1000-grains weight and seed **germination** of *wheat.* 038132
Registration of 20 lines of *wheat* **germplasm.** 036454
Wheat **gluten** as a pathogenic factor in schizophrenia [Cereal grain-free and milk-free diet]. 032458
Determination of *wheat* **gluten** content with "gluto matic" considering the problem in relation to varieties and marketing. 033231
Nutritional bioassay of *wheat* **grain** for a wheat breeding program. 032303
Study of the variability of some anatomical-morphological properties of *wheat* **grain.** 036358
Levels of water-soluble carbohydrate in the pre-anthesis ear of *wheat,* and **grain** set per spikelet. 037485
Nitrogenous excretory products of adults of Sitophilus oryzae and Sitophilus **granarius** *[wheat].* 039270
Cultivar identification and purity determination *[Wheat,* **grasses**]. 038149
Efficiency of herbicides based on 2,4-D and MCPA associated with dicamba in *wheat* **growing** [dichlorophenoxyacetic acid and (4-chloro-o-toloxy) acetic acid]. 039158
A note on the relation of sample size [of *wheat]* to **Hagbergfalling** number values. 033199
Registration of **Hansel** *wheat.* 036448
Results of trials with chlorcholine chloride (CCC) used on soft and **hard** *wheat.* 037353
Hard *wheat* [varieties] for north-central Italy. 038045
The 1975 wheat harvest. II. Quality of soft and **hard** *wheats.* 038101
Susceptibility of some soft and **hard** *wheat* varieties to herbicides used for control of [weedy] grasses. 039097
The 1975 *wheat* **harvest.** II. Quality of soft and hard wheats. 038101
1975 *wheat* **harvest.** 038102
The inheritance of resistance to eyespot (Cercosporella **herpotrichoides**) in *wheat.* 036503
Substitution of lysine-supplemented **high-protein** *wheat* in protein feeds fed in the rearing and during the laying period of hens. 3. Effect of graded lysine supplements on the crude nutrient content of carcasses and on the level of amino acids and GOT [glutamic acid, oxalacetic acid, transaminase] a. 034318
Substitution of lysine-supplemented **high-protein** *wheat* in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of young hens as affecting performance characteristics in the laying period. 034319
Hybrid *wheat:* what it can mean to you. 038123
Partial male sterility and spontaneous **hybridization** in *wheat.* 036651
Increasing *wheat* production through effective seed control. 038434
Natural enemies of Trogoderma granarium everts **infesting** *wheat* in the rural stores in the Punjab. 039427
Row over **irradiation** of *wheat.* 033282
Identification of the small subunit of ribulose 1,5-bisphosphate carboxylase as a product of *wheat* **leaf** cytoplasmic ribosomes. 037357
Content of growth substances in *wheat* **leaves** in ontogenesis. 037568
A quantitative method for estimating density of Septoria tritici pycnidia on *wheat* **leaves** [Leaf blotch]. 038761
Content of nucleic acids and protein in *wheat* **leaves** infected with rust [Puccinia graminis]. 038798
A test of a modified line intersect method of estimating root **length** [in *wheat].* 037475
Results of applying the individual selection method in **maintaining** *wheat* varieties. 036631
Present situation of cereal production [Prices, statistics, *wheat,* **maize**]. 031536
On the optimum density of leached Chernozem-Smolnitza for **maize** and *wheat.* 040749
Heterosis and combining ability in a spring wheat diallel cross. 3. Fertility restoration and seed set on **male-sterile** *wheat.* 036380
The epidemiology of common root rot [Cochliobolus sativus[in **Manitou** *wheat.* III. Development of lesions on subcrown internodes and the effect of added phosphate. 038587
Mironovskaia *wheat* [variety]. 038195
Cytopathology of large cardamom and ginger infected with *wheat* **mosaic** streak virus. 038680
Fluorescence microscopy in relation to *wheat* **mosaic** streak virus disease. 038910
Effect of milling and baking on the retention of thiamine and riboflavin in some **new** *wheat* varieties of Pakistan. 033142
New *wheat* cultivars and longevity of rust resistance, 1971-75 [Fungus diseases]. 038575
In alkali soils urea spraying for saving **nitrogen** and more *wheat.* 040981
Lime and phosphorus on low areas [Barley, **oats,** *wheat].* 041106
Close spacing in *wheat* **pays.** 038027
The extraction and analysis of *wheat* **phospholipids.** 037516
Effect of sulphur eficiency on water regime and intensity of pea and *wheat* **photosynthesis.** 037701
Translocation of foliar applied radioactive [fungicide] nickel in *wheat* **plants.** 038718
Effect of caffeine on radiation damage in *wheat* with different **ploidy.** 036396
A study on *wheat* **powdery** mildew in Bulgaria. II. Physiological races of wheat powdery mildew (Erysiphe graminis D. c. f. Sp. tritici (Marchal) in the years 1968, 1969 and 1970. 038607
Applying fertilizers in *wheat,* depending on the **preceding** crop. 041051
Notes on the world market for *wheat* **[Prices].** 031535
Photosynthetic adaptation in the autumnization **process** *[Wheat].* 037447
Facts and fancies in the country of spaghetti *[Wheat* **products,** production]. 033144
Investigation of *wheat* **protein** disulfide reductase. 037359
Characteristics of native and modified gluten **proteins** of *wheat.* 033229
Differentiation of the races of loose smut of *wheat* according to **proteins** of chlamidospores [Ustilago tritici]. 038800
Alarming wild oats infestation of *wheat* in **Punjab.** 039163
Effects of nitrogen and phosphorus fertilizer on malting **quality** of *wheat.* 033190
Effect of milling on *wheat* **quality.** 033284
Influence of different factors on productiveness of **quality** *wheat.* 038015
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, yeasts, *wheat,* **rabbits**]. 036819
Weather conditions before maturity and dormancy in *wheat* in **relation** to prediction of sprouting. 037564
A comparative study of races of stem rust [Puccinia graminis tritici] of *wheat:* **relation** of temperature as a factor governing their prevalence. 038642
Hessian fly [Mayetiola destructor] biotype distribution, **resistant** *wheat* varieties and control practices in hard red winter wheat. 039263
Radiobiological studies in Triticum *[wheat].* II. **Response** to chronic and acute gamma irradiation of 25 ditelocentric lines of wheat cv. Chinese Spring. 036482
Radiobiological studies in Triticum *[wheat].* I. **Response** to chronic and acute gamma irradiation of diploid, tetraploid and hexaploid species of Triticum and Aegilops. 037404
Nutrient content of *wheat* and **rice:** present knowledge, future problems, and needed research. 032199
Tissue cultures of maize, *wheat,* **rice** & sorghum. II. Growth & nutrition of callus cultures. 037455
Tissue cultures of maize, *wheat,* **rice** & sorghum. III. Growth & nutrition of root cultures of maize, wheat & sorghum in agitated liquid media. 037456
Tissue cultures of maize, *wheat,* **rice** & sorghum. IV. Studies of organ differentiation in tissue cultures of maize, wheat & rice. 037457
Tissues cultures of maize, *wheat,* **rice** & sorghum. I. Initiation of viable callus & root cultures. 037458
The state of oxidative systems in the mitochondria of *wheat* **roots** under conditions of phosphorus deficiency. 037433
Screening of systemic and non-systemic fungicides against Fusarium oxysporum causing foot and root **rot** of *wheat.* 038714
Improving protease identification in *wheat* and **rye** with N alpha benzoyl-L-arginin-4-nitroanilid (L-BAPA) used as medium. 033232
The role of [various] factors in the fractionation of proteins in seeds of plants. 2. The time of extraction of protein fractions from seeds of plants *[Wheat,* **rye,** buckwheat]. 037344
Mechanism of honeydew formation by claviceps species [on grasses, *wheat* and **rye**]. 038584
The influence of increasing amounts of nitrogen on the propagation of the cereal cyst nematode, Heterodera avenae Woll. [Oats, barley, *wheat,* **rye**]. 039068
Effect of electro-spark threshing on the sowing qualities of *wheat* **seed.** 038178
Preparation of soil and **seeding** of *wheat.* 038099
Effect of streptomycin on chlorophyll biosynthesis in *wheat* **seedlings.** 037581
The influence of humic acids on phytase activity isolated from *wheat* **seeds.** 037371
Vitamin biosynthesis by germinating *[wheat]* **seeds** at low temperature and in overmoistened soil. 037538
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of winter **soft** *wheat* [Breeding]. 036475
Physiological peculiarities of winter **soft** *wheat* sterile analogues with Triticum timopheevi Zhuk cytoplasm. 036481
Natural and artificial variability in development type in **soft** *wheat.* 036683
Genetic aspects of winter hardiness in winter **soft** *wheats.* 036711
Study on the dynamics of blooming and pollen productivity in **soft** *wheat.* 037555
Plot tests of 29 varieties of **soft** *wheat* [in north-central Italy]. 038046

Study of biological and commerical properties of new winter **soft** *wheat* varieties developed by interspecific hybridization. 038179
Tissue cultures of maize, wheat, rice & sorghum. III. Growth & nutrition of root cultures of maize, *wheat* & **sorghum** in agitated liquid media. 037456
Use of yield potentials of **Soviet** *wheat* varieties in the Czechosovak Socialist Republic. 038040
The frequency of **sowing** *wheat* in crop rotations and the quality of grain [in the Far East of USSR]. 038199
Specificity of pollination in tetraploid **species** of *wheat.* 036656
Heterosis and combining ability in a **spring** *wheat* diallel cross. I. Grain yield and its components. 036378
Heterosis and combining ability in a **spring** *wheat* diallel cross. 2. Some agronomic characters. 036379
Heterosis and combining ability in a **spring** *wheat* diallel cross. 3. Fertility restoration and seed set on male-sterile wheat. 036380
Registration of 11 germplasm lines of Centana hard red **spring** *wheat.* 036455
Results, targets and prospects of **spring** *wheat* breeding in the southeast of the European part of the USSR. 036654
Plant height, protein percentage, and yield relationships in **spring** *wheat.* 037393
Changes in the content and composition of carbohydrates in **spring** *wheat* caused by the nitrogen fertilization. 037498
Effect of boron on the content of skeletal substances in the culms of **spring** *wheat.* 037502
Effects of leaf infections by Septoria nodorum Berk. On the translocation of 14C [carbon isotope]-labelled assimilates in **spring** *wheat.* 038570
The effectiveness of inorganic fertilizers applied under **spring** *wheat* in connection with its predecessors on the soils of the Buryat ASSR. 040875
Nitrogen fertilization of **spring** *wheat.* 041010
Photosynthesis, assimilation numbers, and photosynthate translocation in *wheats* of different **stalk** length. 037445
Data on the flowering biology of male **sterile** *wheat.* II. The duration of fowering in the ear and in the individual florets, and the length of the closed period between. 037491
Structural changes in *[wheat]* **straw** as affected by rumen microflora [Cattle, feed digestibility]. 034522
The production [of grain] of **strong** *wheat* [varieties] is increasing [in the Krasnodar territory]. 038201
Manipulation of galactolipid fatty acid composition [of *wheat]* with **substituted** pyridazinones. 037523
Intercropping of autumn planted **sugarcane** with *wheat.* 038036
Induced polygenic mutations in *wheat* (**Triticum** aestivum L.). 036496
Phenotypic and genotypic variability in an exotic X Indian and Indian X Indian, intervarietal crosses of *wheat* (**Triticum** aestivum L.). 036606
Seed germination and early seedling growth of *wheat* (**Triticum** aestivum Linn.) cv. 1553 under the influence of salinity and plant-growth hormones. 037347
Changes in abscisic acid levels in developing grains of *wheat* (**Triticum** aestivum L.). 037476
Contribution to the genetics of tolerance towards Septoria nodorum Berk. in *wheat* (**Triticum** aestivum). 038847
Effect of seed damage on growth and development in pea (Pisum sitivum L.) and *wheat* (**Triticum** aestivum L.). 038955
Influence of various factors on the efficacy of two systemic fungicides for control of loose smut of *wheat* [**Ustilago** nuda tritici]. 038695
Effect of cytoplasm on the hereditary **variability** in *wheat.* 036644
Activity of amino transferases in the roots of *wheat* **varieties** of different productivity. 037421
Prospects of the use of the fluorescent spectroscopy method to evaluate the potential productivity of *wheat* **varieties.** 037574
Winter crops *[Wheat* **varieties].** 038067
Application of two epidemiological models for the identification of slow stem rusting [caused by Puccinia graminis tritici] in *wheat* [**varieties** of varying susceptibility]. 038762
Creation of *wheat* **varieties** in relation to the dynamics of the racial composition of brown rust [Resistance breeding]. 038828
Influence of some herbicides on the content and composition of nitrogen fractions in grain of several *wheat* **varieties;** report. 039149
Yield and protein content of *wheat* **varieties** (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. 039169
Quantitative and qualitative variations in leaf-surface wax in three varieties of *wheat* **varying** in susceptibility to blight caused by Alternaria triticina. 038708
Influence of the chemical fertility of the soil and the ash content of *durum* **wheat** grown in northern Italy. 037351
[Pesticide] residues in milled products of *durum* **wheat.** 039542
Number of replications and reliability of the experiment in **winter** *wheat* trials [Breeding research]. 036375
Expression of mutant traits in different genotypic media in **winter** *wheat.* 036463
Pigments of the vegetable organs of soft **winter** *wheat* plants with cytoplasmic male sterility. 036466
Content of plastid pigments in **winter** *wheat* leaves in autumn-winter-spring period. 037412
Effect of water deficit on deuterium intake and transport in **winter** *wheat.* 037414
Interrelation of water state and energy metabolism of **winter** *wheat* leaves. 037417
Phosphoric metabolism in **winter** *wheat* leaves depending on plant supply with phosphorus. 037418
Incorporation of exogenous amino acids into metabolism of **winter** *wheat* at different temperatures of growth. 037427
Effect of degree of sprouting in **winter** *wheat* and rye on seed quality and harvest yields. 037557
The effect of GA3 [gibberellic acid] on the globulins of **winter** *wheat* grain during vernalisation. 037561
Observations of temperature in **winter** *wheat* at Ultuna, Sweden, 1968-1972. 037591
Frost resistance, winter hardiness and yield of **winter** *wheat* relative to its moisture and nutrition conditions. 037604
Aspects of **winter** *wheat* behavior in Moldavia in 1973/1974. 038106
Behavior of **winter** *wheat* varieties under conditions of the agricultural year 1973/1974. 038107
Measures recommended for the cultivation of **winter** *wheat* under irrigation in spring 1975. 038111
Winter *wheat,* 1974 [Varieties]. 038129
Effect of presowing treatments of seeds with chlorcholinechloride on the winter hardiness of **winter** *wheat.* 038154
Results of **winter** *wheat* variety testing from autumn fallow. 038180
Could the seeds [of **winter** *wheat]* treated with [the growth inhibitor] Tur be stored for a long time? 038191
Effects of the date of sowing of Mironovskaia iubileinaia and Kavkaz varieties [of **winter** *wheat* on the yield and its quality]. 038192
Moisture supply and plant productivity [**Winter** *wheat,* planting density]. 038196
The tillage of a clean fallow for **winter** *wheat.* 038202
Winter *wheat* in the Rostov province. 038207
[Sowing of **winter** *wheat]* after different preceding crops. 038210
[Sowing **winter** *wheat]* after a clean and planted fallow. 038211
53.8 centners per hectare [of **winter** *wheat* Mironovskaia 808variety]. 038212
Germination of Puccinia striiformis uredospores on leaves of adult **winter** *wheat* plants [Resistance to yellow rust]. 038566
The interaction between foot rot infection and yield components of **winter** *wheat* in dependance on cultivation techniques. 038833
Regeneration in **winter** *wheat* varieties differing by winter hardiness after mechanical damages. 038976
Diseases of **winter** *wheat* and its stand density. 039086
Contributions to chemical weed control in **winter** *wheat.* 039089
Necessity for proper timing of applications of 2,4-D [(2,4dichlorophenoxy) acetic acid, herbicide] to **winter** *wheat.* 039113
Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in hard red **winter** *wheat.* 039263
The advantages of mulch planters [for sowing **winter** *wheat].* 040547
The effectiveness of applying inorganic fertilizers under **winter** *wheat* on ordinary Chernozem of various texture. 040876
Changes in certain qualitative features of **winter** *wheat* varieties as a response to fertilization and irrigation. 041020
Parameters for **winter** *wheat* growing on Chernozem soil. III. Correlations between method of fertilization and physical state of soil. 041022
Use of diammonium phosphate on **winter** *wheat.* 041093
Efficiency of simple and mixed fertilizers for **winter** *wheat* and barley. 041118
Effect of mineral fertilizers on yield and quality of **winter** *wheat.* 041122
Application of fertilizers on **winter** *wheat* fields in the eastern zone of the Krasnodar territory. 041132
Fertilizers and maximum yields of **winter** *wheat.* 041134
Some methods for pre-planting preparation of leached Meadow-Cinnamon soil to **winter** *wheat.* 041197
The effect of the way of soil tillage [on the yield of **winter** *wheat].* 041214
Irrigation of **winter** *wheat* under conditions of the plain in the south of Romania. 041415
Irrigation of **winter** *wheat* in wedge-shaped furrows. 041461
Apply **zinc** to *wheat.* 041056

WHEATGRASS

Roadside harvest [of **crested** *wheatgrass* for low-cost forage]. 037951

WHEEL

A suitable transition curve to the forest road—the locus of the **front** *wheel* of the truck. 035566
How to estimate the maximum load of the **logging** *wheel-type* tractor. 035792
Determining total radial reactions to *wheels* of the **logging** truck, including hardness of suspension and tires. 035806
Wheels **roll** on permanent paths [Equipment]. 040531

WHEY

Nutritional physiological importance of drinks on *whey* **basis** for osmolarity. 032389
The effect of agitation on the production of lactic acid by Lactobacillus bulgaricus in a **casein** *whey* medium. 033014
Production of a crystal clear, bland tasting protein solution from **cheese** *whey.* 032956
Using cottage **cheese** *whey* fractions or their derivatives in ice cream. 032962
Effects of a diet containing 40 percent **dried** *whey* on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester white pigs. 034409
Feeding *whey* to pigs. 034254
Chemical composition of *whey* **produced** from different types of cheese. 032932
Whey **produced** during cheddaring as a source of effluent. 033017
Changes in the *whey* **protein** fraction in mastitis milk, colostrum and drying off secretions. 032053
Hydrogen peroxide alteration of *whey* **protein** in skim milk and whey protein solutions. 032994
Co-precipitates [caseins and *whey* **proteins** derived from milk]—a review. 033010
Contribution to the problem of whey utilization: general considerations and experiments on the incorporation of *whey* **proteins** in the rennet coagulum. 033033
The *whey* **proteins** as indicators of the physiological or of the pathological status of the mammary gland. 033747
Whey **treatment** and use. 033024
Contribution to the problem of *whey* **utilization:** general considerations and experiments on the incorporation of whey proteins in the rennet coagulum. 033033

WHIRLIGIG

The morphology of the dorsal and ventral eye of the *whirligig* **beetle** Gyrinus substriatus (Steph.) (Coleoptera, Gyrinidae). 039953

WHITEFLIES

Occurrence of *whitefly,* **Bemisia** tabaci Genn., on cotton plants in southern Anatolia (Homoptera: Aleyrodidae). 039261

WHOLESALE

Methods and costs for the warehouse assembly of grocery orders for small stores *[Wholesale* **marketing].** 031687
Trends in the *wholesale* **meat** market. 031591

WILD

Alarming *wild* oats infestation of wheat in Punjab. 039163
Landscape epidemiology (epizootiology) [Infectious diseasesof domestic and *wild* **animals].** 034964
Resources of *wild* **berries** in the trans-Carpathians. 035493
Picornaviruses of laboratory and *wild* **Drosophila** melanogaster: Geographical distribution and serotypic composition. 039615
Limitations in the use of herbicides—the protection of *wild* **flora** and fauna [Netherlands]. 039191
Studies on several *wild-growing* **Helianthus** species [for possible crossings with sunflowers]. 036483
Registration of alfalfa germplasm from cultivated X *wild* **hybrids.** 036449
Isoenzyne comparisons of *wild* **Iranian** sheep (Ovis linnaeus). 033870
Hybridization and selection for increased penicillin titre in *wild-type* **isolates** of Aspergillus nidulans. 036566
Reproduction of *wild-caught* and **laboratory-born** marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus) [Animal models]. 034713
Encounters with *wild* **lilies** [Lilium] in 1967 [Yugoslavia]. 036144
Quality control of the 1975 *wild* **mushroom** and berry crops in the Bavarian Forest—characteristics of wild raspberry juices. 032049
Wild **oats** [Avena fatua]: losses caused and advantages of controlling it before its emergence [Cereals]. 039095
Control of *wild* **oats** [Avena fatua]. 039197
Quality control of the 1975 wild mushroom and berry crops in the Bavarian Forest—characteristics of *wild* **raspberry** juices. 032049
A *wild* **relative** of the soybean. Of the nine currently knownspecies in the Glycine genus, the most unusual is Glycine falcata, a native of Australia. 036023
Glycine canescens F. J. Herm., a *wild* **relative** of the soybean [Morphological, cytological, and certain chemical characteristics]. 036301
Comparative biochemical study of maize and its *wild* **relatives** (Enchlaena, Tripsacum, Coix). 037567
Structure of zerumbone oxide, a new sesquiterpene epoxy ketone from Zingiber zerumbet **Smith** *(wild* ginger oil). 037750
Chemical control of the tomato **spotted** *wild* virus vector in the province of Tucuman [Tobacco virus diseases, Frankliniella paucispinosa]. 038937
Essential oils of Ocimum **suave** *wild.* Of East Africa [Composition]. 033364
Radiation-induced numerical aberrations in *wild* **type** Drosophila females. 039883
Isozymes patterns and enzyme activity of lactate and alcohol dehydrogenase of the lethal mutant 1 (3) tr and the *wild* **type** of Drosophila melanogaster. 039910

WILDFLOWERS
Native grasses and *wildflowers*—**low** maintenance plants [Roadside beautification]. 038484

WILDLIFE
The forest as a living **area** for *wildlife*. 035463
Forestry and *wildlife* **conservation** in the temperate zone. 1. General characteristics of forests and wildlife habitats and considerations for their conservation. 035521
People, **forests** and *wildlife*. 035461
Some [infectious] diseases fo **free-living** *wildlife*. 034966
Forestry and wildlife conservation in the temperate zone. 1. General characteristics of forests and *wildlife* **habitats** and considerations for their conservation. 035521
Results of **simulating** *wildlife* browsing by cutting shoots [of forest trees]. 035481

WILLOWS
Investigations on the role of gibberellic acid (GA3) and chlorocholine chloride (CCC) in the process of rooting of *willow* **(Salix** viminalis L.) cuttings. 037901
Willows **(Salix)** and their importance for bees [Honey plants, culture]. 038542
Transmission of fungus grape diseases by *willow* **twigs** [Phomopsis viticola]. 038830
Growth rate and change by age in marketability of **white** *willow* stands of Astrakhan Region [Salix alba]. 035589
Polysaccharides from the bark of the **white** *willow* (Salix alba L.): structure of an arabinan. 035717

WILT
A disc electrophoretic study of the protein of susceptible, tolerant and resistant lucerne with reference to Verticillium **[albo-atrum]** *wilt*. 038668
Induced resistance from simultaneous inoculation of tomato with Fusarium oxysporum Sacc. and Verticillium albo-atrum Reinke & **Berth** *[Wilt]*. 038635
Effect of water deficiency on metabolism of phosphorus compounds and nucleic acids in two cotton varieties resistant to *wilt* **[caused** by drought]. 037426
Identification of the races of Fusarium oxysporum f. Sp. Melonis **causing** *wilt* of muskmelon in California. 038767
Passage of Verticillium albo-atrum *[wilt* of **cotton]** propagules through the alimentary canal of the bulb mite [Rhizoglyphus echinopus]. 038771
Economic foundation of the harmful effect of **cotton** *wilt* [Verticillium]. 038801
On the specificity of ultrastructure and function of cellular organoids in Verticillium dahliae (Kleb) *[Wilt,* **cotton].** 038806
Effect of host and nonhost crop seeds on vegetative growth and sporulation of Fusarium udum in soil [cause of *wilt* **disease** of pigeonpea]. 038684
Performance of sweetpotato varieties against **Fusarium** *wilt*. 038701
Energy exchange in cotton in relation to its resistance to **Fusarium** *wilt*. 038802
Wilt of the **olive** tree caused by Verticillium dahliae Kleb. 038731
Benomyl tolerance in Verticillium dahliae *[Wilt,* **strawberries].** 038564
Ultrastructure of *wilt* **syndrome** caused by Verticillium dahliae. II. In sunflower leaves. 038590
Verticillium *wilt* of strawberry. II. Study of the diffusion of the pathogen agent in the stolon tissues and in young plants. 038729

WILTING
High temperature equipment for **drying** *wilted* grasses. 033557
Analysis of the status of development of partial processes based on model calculations, illustrated by the production of *wilted* **plants** [Feed processing]. 033492
Improved quality of *wilted* **silage** using a swath fan. 033493
Determination of the *wilting* **[soil]** moisture for grapevine. 040818
Proline accumulation in flooded and *wilted* **sunflower** and the effects of benzyladenine and abscisic acid. 037384

WILTSHIRE
Wiltshire **Coleoptera,** with particlar reference to Limobius borealis (Payk.) (Curculionidae), and a record from Gloucestershire. 040036
Coniosternum obscurum Fall. (Diptera, **Scatophagidae)** in *Wiltshire*. 040017

WIND
Investigations on the recultivation of grassland on *wind*—**eroded** soils of Iceland [Reclamation]. 041146
Calculating optimum parameters for *wind* **erosion** control of forest shelterbelts in the dry steppe area. 035485
The effect of *wind* and **humidity** on leaf diffusive resistance in Sitka spruce [Picea sitchensis]. 037917
1974 pollination prevention experiment in fruit culture [Apis **mellifera,** *wind]*. 040183
Recording *wind* velocity direction, and temperature in [forest] fires by logarithmic technique. 035507
Stability of the forest with respect to *wind* and **storm;** foreword [Damage]. 035496
Stability of the forest with respect to *wind* and **storm** as seen from experience [Damage]. 035497
Stability of [forest] stands to *wind:* a **theoretical** approach [Damage, Pseudotsuga menziesii]. 035498
Sprinkler [irrigation] system design for operation in **variable** *wind*. 041282

WINDBREAKS
Half a century of tree planting *[Windbreaks,* **erosion,** Edward Flanagan]. 041200

WINDTHROW
Some experiences with two processing machines [for **clearing** *windthrown* timber]—BM Volvo SM 880 and Logma T 310. 035840

WINE
Automated sulphate **analysis** of *wines*. 033320
Determination of volatile aromatic compounds in sparkling **apple** *wine*. 033340
On the analytical evaluation of **Austrian** *wines* of the 1974 vintage. 033433
The appellation d'origine controlee, **Bandol** *[Wines]*. 033453
Report on a *[wine]* **bottling** test made by the Tempio Pausania cork experimental station (Italy) [Leakage]. 035788
Compounds responsible for the aroma of grapes and their role in formation of the **bouquet** of *wine*. 033339
Gas chromatographic investigations of alcoholic products. VII. Determination and evaluation of ethyl acetate, methyl acetate, acetaldehyde diethylacetal (diethylacetal), ethyl propionat, n-propyl acetate, and **butanol-(2)** *[Wine]*. 033431
The *wine* **cellar** of Italy [Grape varieties, wine types]. 038237
Chemistry of *wine*. 033470
Modern trends in refrigeration of *wines* and **concentration** and desulfurization of musts. 033332
Certain problems of measuring electrical **conductivity** of *wines*. 033473
The determination of the utmost permissable densities of electric current in *wines* when using **conductometric** transducers. 033476
Wine **containers.** 033336
Chateaux and classified Bordeaux **crus** *[Wines]*. 033450
Pectic **enzymes** in *wine*. 033469
Microbial inhibition caused by p-hydroxybenzoate **esters** in *wine*. 033323
Wines from the **fermentation** of honey. 032832
The preparation of blendings of **fortified** *wine* materials in tanks with the holding capacity of 500,000 decaliters. 033482
The establishment of standards for a set extract is an important way of controlling the quality of **fruit** *wines*. 033478
Dynamics of the formation of tannin-like substances in the skin, seeds and juice of the berries of some *wine* **grape** varieties. 037720
The effect of micronutrients on certain volatile components of **grapes** and *wine*. 041120
Development trends in the education of *wine* **growers** and farmers. 031064
Relation between the content of *wines* in **higher** alcohols and the content of musts in nitrogen substances particularly in amino acids. 033356
Bacchus in Apulia [Grape culture, *wine,* **history].** 038233
Wines. **Indication** of susceptible origin to mislead the buyer. The bad faith of the seller. Misdemeanor. 032129
The *winemaking* **industry** of Bulgaria. 033463
Influence of modernizatin and intensification of culture on the economic results of production and on the characteristics of *wine*. **Influence** on consumption. 038278
Position of **Italian** *wines* on foreign markets. 031549
Reality of **Italian** *wines* and a listing of their origins [Production]. 031780
The experience of using the heterogenous enzymatic catalysis in *wine* and **juice** production. 033479
Analyses of authentic fruit **juices** of the 1974 *vintage*. 033430
Variations in the polyol content during fermentation of apple **juices** and *wines*. 033442
Wine of the **Khindogny** and Saperavi varieties in the Kuban Territory. 033464
Malolactic fermentation in funcetion of sulfite treatment and heating *[Wine* **manufacture].** 033316
Present state of *wine* **manufacture** from the technological point of view. Ways and means of development. 033355
Determination of an assemblage by linear programming *[Wine* **manufacture].** 033443
Wine **manufacture** in vats with lids. 033696
Wine making by **mash** heating; long-term warming as an alternative to high heat for a short time. 033466
Processing apples for *wine* **material** by means of extraction. 033460
Stabilization of *wine* **materials** with insoluble polyvinyl pyrrolidone. 033461
Railroad tank cars for transport of *wine* **materials.** 040533
Economic analysis in organizations of Moldvinprom **[Moldavian** *Winemaking* Industry]. 031374
Residues of 2-imidazolidine-thione (ethylenethiourea) in **musts** and *wines*. 031947
Fermentation of various sugars in Saccharomyces ellipoideus and Schizosaccharomyces pombe *[Wine* **musts,** yeasts]. 033337
Preparation of a global grape and *wine* **policy.** Grape culture. 031929
The change of protein substances and the activity of certain enzymes of *wine* in the **process** of continuous champagnization. 033474
The experience of working of the Kotovskii agricultural-industrial association [for grape and *wine* **production].** 031387
Policy on grape growing and *wine* **production** in the EuropeanEconomic Community [Legislation]. 031786
The effect of hydrogen-ion and tartaric acid concentrations on the yield and quality of the lime tartrate *[Wine* **production].** 033477
Aging of *wine:* **qualitative** changes in the volatiles of Zinfandel wine during two years. 033321
Quality *wines* in Italian and European Economic Communuty legislation [Labeling]. 031787
Processing of **quality** *wines*. Past development and its teachings. 033317
Grape variety, *wine* **quality** and production efficiency. 033459
Training, yield and *wine* **quality** [Viticulture]. 038521
Determination of total nitrogen in *wine* **[raw]** materials by the volumetric method. 033457
Veronese wines: reflections on the chemical and chemico-physical properties of **Recioto** *wine* from Valpolicella. 033335
Modern techniques of **red** *wine* vinification. 033331
Study of the work of **red** *wine* vats: "self-emptying" vats and vats with improved manual emptying. 033490
Methanol in [grape] *wines* in **relation** to processing and variety. 033322
The influence of ultrasonic waves on basic microorganisms of *wine*. II. The **relationship** between the effect of ultrasonic waves on the physicochemical composition of bactericides in a workable medium. 033346
Change in amount of cyanides in *wines* **relative** to treatment with potassium ferrocyanide. 033456
Wine year and *vintage* **report** of eastern Switzerland for 1975. 033467
Advances in the field of farm control and *wine* **research.** 031302
Exploring our vineyards. **Saint-Joseph** *[Wines]*. 033452
Technology of preparation of natural **sparkling** *wine* [Fermentation]. 033334
Alcoholic beverage processes [Wort, hops, malt, *wine,* **spirits].** 032817
Biological **stabilization** of *wines*. 033327
Economies and the **Technical** *Wine* Institute. 031226
Procedures in *wine* **treatment.** 033333
The wine cellar of Italy [Grape varieties, *wine* **types].** 038237
About certain problems of *wine* making [in the **USSR].** 033472
Veronese *wines:* reflections on the chemical and chemico-physical properties of Recioto wine from Valpolicella. 033335
Classical and modern technique of **white** *wine* vinification. 033328
Classical and modern techniques of **white** *wine* vinification: practical aspects. 033329
Study of frost resistance and regenerative ability of certain **white** *wine* varieties of grapes grown with high-training in the Pleven District. 037726
Economic examination of *vintage* in a **wide-spaced** large-scale vineyard. 038225
Filtration technique and filter materials *[Wine* making]. 033330
Developments in fermentation physiology and microbiology [in *wine* making]. 033389
On the analytical evaluation of Austrian **wines** of the 1974 *vintage*. 033433
Wine **year** and vintage report of eastern Switzerland for 1975. 033467
Study of aroma forming substances in *wine* **yeast.** 033441
Aging of wine: qualitative changes in the volatiles of **Zinfandel** *wine* during two years. 033321

WING
The effects of *red-winged* **blackbirds** (Agelaius phoeniceus L.) on biomass production of corn grains (Zea mays L.) [Maize, pests]. 039015
An anomaly in the *wing* of **Bombylius** erectus Brunetti (Diptera: Bombyliidae). 039707
Cell proliferation in the **developing** *wing-bud* of normal and talpid3 mutant chick embryos. 034051
Information on *wing-reduced* **Diptera** in the ground litter. VI. Genus Microcordylomyia, Aprionus and Trisopsis (Cecidomyiidae, Diptera). 040165
The *wing* **venation** of Chrysopa aspersa Wesm. (Chrysopidae, Neuroptera) as a model for microevolutionary studies. 039960
Wing **venation** of click-beetles (Coleoptera, Elateridae) and its importance for taxonomy of the family. 040180

WINTER
Germination of Puccinia striiformis uredospores on leaves of **adult** *winter* wheat plants [Resistance to yellow rust]. 038566
The ornamental garden as *winter* **approaches.** 038347
A new variety of *winter* **barley,** Miraj 1. 038104
Winter **barley,** 1974 [Varieties]. 038128
Evaluation of a number of systemic fungicides for the control of Typhula incarnata in *winter* **barley.** 038837
Systems for *wintering* **beef** cows. 033664
Biuret as a source of supplemental nitrogen for *wintering* **beef** cows. 034405
Winter-time **care** will decide fate of your 'keeping' heifers. 034449
Nitrogen fertilisation of *winter* **cereals.** 040914
Formation of the *winter* **cluster** of honeybees. 040300

Winter **crops** [Wheat varieties]. 038067
Fungicide treatments for *winter* **crops** [Grain]. 038741
Nitrogen and phosphorus losses from *winter* **disposal** of dairy manure. 040999
A two-year comparison of fortified corn silage and alfalfa hay (mixed) for *wintering* **ewes.** 034465
Transition from *[winter* **feeding**] to pasture and summer feeding of dairy cows. 034434
Use of machines to spread **fertilizers** in *winter.* 040525
A faster completion of the high lysine barley program by growing a *winter* **generation** in South America [Breeding]. 036699
Effect of implanting and reimplanting zeralanol (Ralgro) insteers during deferred growing, *winter* **grazing** and feedlot finishing programs [Beef cattle]. 034443
Fall and *winter* **grove** practices. 038286
During *winter* **grow** berseem [Egyptian clover] in napier bajra [pearlmillet] hybrid. 038125
Role of single chromosomes of Agropyron glaucum X genone in the inheritance of the physiological basis of *winter* **hardiness.** 036526
Genetic aspects of *winter* **hardiness** in winter soft wheats. 036711
Frost resistance, *winter* **hardiness** and yield of winter wheat relative to its moisture and nutrition conditions. 037604
Winter **hardiness** of endemic and introduced [ornamental and fruit] trees in the southern Far East. 037856
Effect of presowing treatments of seeds with chlorcholinechloride on the *winter* **hardiness** of winter wheat. 038154
Regeneration in winter wheat varieties differing by *winter* **hardiness** after mechanical damages. 038976
Winter **hardiness** of bees [Apis mellifera] as a breeding characteristic. 040283
Overwintering of **Hassaku** oranges on trees. 038398
Influence of sugar food on the quality of *winter* **honeybees.** 040205
Study of biological and commerical properties of **new** *winter* soft wheat varieties developed by interspecific hybridization. 038179
Problems of dairy cow nutrition in *winter* **period.** 034513
Content of plastid pigments in winter wheat leaves in *autumn-winter-spring* **period.** 037412
Continuous inspection of the effect of temperature on the growth of ornamental **plants** in *winter.* 037714
Hessian fly [Mayetiola destructor] biotype distribution, resistant wheat varieties and control practices in hard **red** *winter* wheat. 039263
Fodder **requirements** this *winter.* 033497
Timing of *[winter* **rye**] seeds treatment [with fungicide granozan]. 038849
Pigments of the vegetable organs of **soft** *winter* wheat plants with cytoplasmic male sterility. 036466
Influence of Triticum timopheevi Zhuk cytoplasm on certain biological and agronomic characters and qualities of *winter* **soft** wheat [Breeding]. 036475
Physiological peculiarities of *winter* **soft** wheat sterile analogues with Triticum timopheevi Zhuk cytoplasm. 036481
Genetic aspects of winter hardiness in *winter* **soft** wheats. 036711
[**Sowing** *winter* wheat] after a clean and planted fallow. 038211
The advantages of mulch planters [for **sowing** *winter* wheat]. 040547
Studies in seed dispersal. II. *Winter-dispersed* **species** at Finse, Norway. 036091
The most important dicotyledonous weed species in *winter* and **spring** cereal, their regional distribution and their dependence on soil types. 039195
Forced ventilation of a pit silo for *winter* **storage** of potatoes. 040319
Winter **weeding** of forage legumes. 039156
Chemical control of *winter* **weeds** in areas for cotton. 039128
Number of replications and reliability of the experiment in *winter* **wheat** trials [Breeding research]. 036375
Expression of mutant traits in different genotypic media in *winter* **wheat.** 036463
Content of plastid pigments in *winter* **wheat** leaves in autumn-winter-spring period. 037412
Effect of water deficit on deuterium intake and transport in *winter* **wheat.** 037414
Interrelation of water state and energy metabolism of *winter* **wheat** leaves. 037417
Phosphoric metabolism in *winter* **wheat** leaves depending on plant supply with phosphorus. 037418
Incorporation of exogenous amino acids into metabolism of *winter* **wheat** at different temperatures of growth. 037427
Effect of degree of sprouting in *winter* **wheat** and rye on seed quality and harvest yields. 037557
The effect of GA3 [gibberellic acid] on the globulins of *winter* **wheat** grain during vernalisation. 037561
Observations of temperature in *winter* **wheat** at Ultuna, Sweden, 1968-1972. 037591
Frost resistance, winter hardiness and yield of *winter* **wheat** relative to its moisture and nutrition conditions. 037604
Aspects of *winter* **wheat** behavior in Moldavia in 1973/1974. 038106
Behavior of *winter* **wheat** varieties under conditions of the agricultural year 1973/1974. 038107
Measures recommended for the cultivation of *winter* **wheat** under irrigation in spring 1975. 038111
Winter **wheat,** 1974 [Varieties]. 038129
Effect of presowing treatments of seeds with chlorcholinechloride on the winter hardiness of *winter* **wheat.** 038154
Results of *winter* **wheat** variety testing from autumn fallow. 038180
Could the seeds [of *winter* **wheat**] treated with [the growth inhibitor] Tur be stored for a long time? 038191
Effects of the date of sowing of Mironovskaia iubileinaia and Kavkaz varieties [of *winter* **wheat** on the yield and its quality]. 038192
Moisture supply and plant productivity *[Winter* **wheat,** planting density]. 038196
The tillage of a clean fallow for *winter* **wheat.** 038202
Winter **wheat** in the Rostov province. 038207
[Sowing of *winter* **wheat**] after different preceding crops. 038210
53.8 centners per hectare [of *winter* **wheat** Mironovskaia 808variety]. 038212
The interaction between foot rot infection and yield components of *winter* **wheat** in dependance on cultivation techniques. 038833
Regeneration in *winter* **wheat** varieties differing by winter hardiness after mechanical damages. 038976
Diseases of *winter* **wheat** and its stand density. 039086
Contributions to chemical weed control in *winter* **wheat.** 039089
Necessity for proper timing of applications of 2,4-D [(2,4dichlorophenoxy) acetic acid, herbicide] to *winter* **wheat.** 039113
The effectiveness of applying inorganic fertilizers under *winter* **wheat** on ordinary Chernozem of various texture. 040876
Changes in certain qualitative features of *winter* **wheat** varieties as a response to fertilization and irrigation. 041020
Parameters for *winter* **wheat** growing on Chernozem soil. III. Correlations between method of fertilization and physical state of soil. 041022
Use of diammonium phosphate on *winter* **wheat.** 041093
Efficiency of simple and mixed fertilizers for *winter* **wheat** and barley. 041118
Effect of mineral fertilizers on yield and quality of *winter* **wheat.** 041122
Application of fertilizers on *winter* **wheat** fields in the eastern zone of the Krasnodar territory. 041132
Fertilizers and maximum yields of *winter* **wheat.** 041134
Some methods for pre-planting preparation of leached Meadow-Cinnamon soil to *winter* **wheat.** 041197
The effect of the way of soil tillage [on the yield of *winter* **wheat**]. 041214
Irrigation of *winter* **wheat** under conditions of the plain in the south of Romania. 041415
Irrigation of *winter* **wheat** in wedge-shaped furrows. 041461
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. II. Foraging and *winter* **workers.** 040198
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. II. Foraging and *wintering* **workers.** 040200

WIREWORMS

Controlling *wireworms* [Elateridae] in potatoes. 039331
Some peculiarities of the trophic relationship between *wireworms* **Prosternon** tessellatum (Coleoptera, Elateridae) and the fox-coloured sawfly Neodiprion sertifer. 039976

WISTERIA

Studies on constituents of medicinal plants. XV. The constituents of the bark and wood of *Wisteria* **floribunda** DC. 037070

WOMEN

Landless **agricultural** *women* workers. 031310
A leading role [of *women]* in **agriculture** and animal husbandry. 031308
Women in **agriculture.** 031313
Women in **ancient** Indian agriculture. 031085
Nutritional supplementation and the outcome of pregnancy in **Colombian** *women.* 032304
Training **farm** *women* for effective decision-making. 031312
Food habits and nutrient intakes of **Filipino** *women* in Los Angeles. 032353
Women in the **forest**—How to make their work easier? 035588
Agricultural revolutions—loss and **gain** for *women.* 031080
The saga of *women* in the **hills** [Rural sociology]. 031083
Role of *women* in **modern** agriculture. 031311
Women **plantation** workers. 031314
Erythrocyte glutathione reductase activity as an index of riboflavin nutritional status in **pregnant** *women.* 032278
Clearance of endogenous creatinine and urea in **pregnant** *women* with late toxemia kept on a diet containing different amounts of protein. 032481
Interrelationships between serum vitamins A and E and lipid fractions in *women* **receiving** oral contraceptives. 032290
Women in **rural** society: options for the future. 031086
A simple assessment of the risk of low birth weight to **select** *women* for nutritional intervention. 032257
Extension **training** [for *women].* 031081
In Rajasthan **tribal** *women* play significant role [Agriculture]. 031309
The effect of oral contraceptives on plasma lipoproteins, cholesterol and tocopherol levels in **young** *women.* 032317

WOOD

Appraisal of the utilization of **African** *wood* resources. 035503
Irregular anatomical features of *wood* as an **aid** in silviculture. 036312
Physico-mechanical properties of the *wood* of **Alnus** barbata C.a.m. 035817
Simple to scalariform combination perforation plates in Vitex lucens Kirk (Verbenaceae) and Brachyglottis repanda J. R. Et G. Forst (compositae) *[Wood* **anatomy**]. 035777
Terminology used for describing the cambium *[Wood* **anatomy**]. 035778
The presence of biseriate rays in fir (Abies alba Mill.) *[Wood* **anatomy**]. 035779
On the regulation of the amount of prey in *wood* **ants** (Formica polyctena Foerster). 039892
A note on the protection of *wooden* **beams** exposed to an acidic, humid atmosphere [Pseudotsuga menziesii, wood]. 035895
Some physical properties of birch carbonized in a nitrogen atmosphere [**Betula,** *wood].* 035899
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a *wood* **boring** isopod] and records of other species [Tests with various kinds of woods]. 038625
Studies on the **branch** *wood* of sugi (Cryptomeria japonica D. Don). I. On the variation of tracheid length in the branches of 36 years old sugi. 035705
Comparison of batch and semicontinuous cultures for production of protein from mesquite [Prosopis] *wood* by **Brevibacterium** sp. JM98A [Feed]. 033506
A **burned** *wood* specimen from an archaeological excavation in Jerusalem. 035774
Automated quantitative analysis of *wood* **carbohydrates** by borate complex ion exchange chromatography. 035904
Microfibrils in primary and secondary wall growth develop trellis configurations *[Wood* **cells**]. 035716
Kinetics of the alkaline degradation of different types of [cotton and *wood]* **cellulose** on treatment with highly concentrated alkali solution. 035790
Treatment of *woods* in the **chestnut** [Castanea] region of thecanton of Ticino. 035659
Alternate uses of *wood* **chips.** 035791
Atmospheric and pressurized refining of *wood* **chips**—laboratory scale studies. 035851
Workshop on fluid penetration in *wood* [Held at **College** of Environmental Science and Forestry, Syracuse, N. Y. November 12, 13, 1973]. 035902
Auto-stapled pallets *[Wood* **construction**]. 035864
Selective medium for the isolation of Serpula lacrimans [Fungi, cause of dry rot in **construction** *wood].* 035888
Strength properties of lanipau [Terminalia **copelandii,** *wood].* 035759
On the behaviour of the coefficient of static friction under vibration *[Wood* **cutting**]. 035769
Microstructural and microchemical studies of *wood* **decay** of Casuarina equisetifolia by Fomes durissimus [Fungi]. 035887
A technique for measurement of *wood-fiber* **deposits** around pulp-mill outfalls. 035876
Role of **desert** *wood* lice [Hemilepistus fedtschenkoi] in decomposition of plant [Phlomis bucharicus] remains. 039975
Microbiological degradation of lignin *[Wood* **destroying** fungi]. 035860
A comparative study of the *wood* **destroying** capacity in vitro of some butt-rot fungi in spruce [Picea abies]. 038609
Use of principal components, factor analysis and varimax rotation to describe variability in *wood* of **Eucalyptus** deglupta Blume. 035906
Quality control [of *wood]* and **experimental** designs. 035903
A note on light and electron microscopy studies of white pine *[wood]* **exposed** to marine [mollusk and crustacean] borer damage. 035894
The forest is not only a *wood* **factory** [Conservation]. 035603
Promoting Styria's wood market, official record of **felled** *wood.* 035696
Graft polymerization of *wood* **fiber.** 035858
Projection of world demand and supply for *wood* **fiber** to the year 2000. 035884
Seed orchards of **forest** *wood* species (review) [Seed production]. 035685
Physicochemical properties of black liquors from sulfate cooking of different species of *wood* from the **forest** base of the Tavdinskii Paper-Pulp Combine. 035816
Determination of the number of vehicles to perform transportation tasks [of *wood* from **forests** to storage places]. 035869
Influence of temperature change on *wood* **formation** in Pinus radiata grown in controlled environments. 037928
Amino acids in modern and **fossil** *woods.* 035837
Experiences with a *wood* **foundation** [Construction materials]. 035746
Red lauan [Shorea negrosensis]—a new species of *wood* for use in the **furniture** industry. 035771
Bowing in roof joists induced by moisture gradients and slope of **grain** *[Wood].* 035889
Tentative appraisal of losses caused by insect, technical pests of *wood,* in the **Hajnowka** woodworking installations. 035830
Quality and technical usefulness of *wood* **harvested** in the course of late cleaning [in young forest stands]. 035829

Ageing characteristics of *wood* of **healthy** and sandhill-declined Citrus sinensis [Sweet oranges]. 036290
A scanning electron microscope study of the structures of normal, tension and morphactin IT 3456 **induced** *wood* in Aesculus hippocastanum. 035703
Roman Gesing, former minister of Forestry and *Wood* **Industries**—obituary. 035506
Price level and the trend in price of timber and products of the *wood* **industry.** 035738
Some problems in **joining** *wood* based boards with other materials. 035764
Study of the nature of glue **joints** of *wood.* 035823
Effects of [the herbicide] Roundup on *woody* **landscape** plants [in controlling Cynodon dactylon]. 039176
Effect of excess hydraulic pressure on yield and composition of water-soluble substances extracted from **larch** *wood.* 035807
Use of increased radial areas relative to sawing **larch** *wood* by the method of sawing through and through without first slabbing. 035827
Renovating and **laying** *wooden* floors. 040347
Observations on the genus Lulworthia Suth. [A **marine** *wood* rotting fungus], its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [Tests with various kinds of woods]. 038625
Promoting the *wood* **market** in Styria. 035697
Production of roundwood and *wood* **materials** in world and in Poland during years 1961-1972. 035871
On the 50th anniversary of the Faculty of **Mechanical** *Wood* Technology of the Order of Lenin S. M. Kirov Leningrad Forest Engineering Academy. 035486
Tentative determination of price for coniferous **medium-sized** *wood* for the production of lumber and industrial chips. 035873
A note on the protection of wooden beams exposed to an acidic, humid atmosphere [Pseudotsuga **menziesii,** *wood].* 035895
Brown rot [Piptoporus betulinus] of [Betula] *wood* as a **model** for studies of lignocellulose humification. 035700
Testing for aging in glue joints of **modified** *wood.* 035824
The composition of the essential oil from **oak** *wood.* 035735
Technical properties and use of **oak** *wood* in Poland. 035872
Effects of Probe on weed control in containers *[Woody* **ornamentals].** 039175
Weed control in containers [with the herbicides] Tolban, Ronstar and Devrinol *[Woody* **ornamentals].** 039177
Nutrition research: foliar analysis of *woody* **ornamentals.** 040881
Effects of multiple cuttings per container and fertilizer levels on visual appearance, production time, and landscape performance of *woody* **ornamentals** [Ligustrum japonicum, Juniperus procumbens]. 041065
Incidence of rice gall midges Pachydiplosis **oryzae** *Wood-Mason)* as affected by variations in some cultural practices of rice. 039280
Contribution to behavior of deckboard-stringer joints to *[wood]* **pallet** performance, a pilot study. 035865
Performance of 2 1/2" 15-gauge pas-kote *[wooden]* **pallet** staples. 035866
Wood of the **'Palosapis'** group [Anisoptera]. 035761
Concrete with *wooden* **particles.** 035762
The distribution and ultrastructural effects of **passionfruit** *woodiness* virus in bean leaves. 038889
Yearly settlement of Bankia setacea (Tryon) at five British Columbia localities since 1961 [**Pests** of *wood].* 035834
Fiber dimensions of some **Philippine** *woods.* 035752
The *woods* of **Philippine** Anacardiaceae (Genera Buchanana, Parishia and Pistacia). 035760
Alkyl ferulates from the bark and *wood* of **plants** of the Pinaceae family. 035730
Effects of Bermudagrass [Cynodon dactylon] competition on the establishment and growth of *woody* **plants** in the landscape. 036246
On the variability of the growth characters of *woody* **plants** in the nursery [Apple trees]. 037643
Recent professional literature for the *wood* **preservation** expert. 035847
The testing of *wood* **preservatives.** 035731
Comparative analysis of the standard testing method for determining the fungal-decay resistance of *wood* **preservatives** to Basidiomycetes in the mamber countries of the Council for Mutual Economic Assistance. I. 035765
Quantitative determination of the creosote content in **preserved** *wood.* 035770
Damage to electrical equipment in buildings constructed of *wood* must be **prevented.** 040416
Forestry policy in view of forest uses and *wood* **processing** in Hungary. 035543
The properties of tropical woods. 21. Evaluation of the wood properties and *wood* **processing** suitabilities of timbers from Southeast Asia and the Pacific regions. 035710
Effect of roughness of the front edge of cutters on striking strength of cutting elements *[Wood* **processing].** 035808
Renewable resources *[wood]* for the **production** of fuels and chemicals. 035861
Performance of 14-gauge Sencote staples [In lumber and *wood-base* **products].** 035867
Movingui [Distemonanthus benthamianus, *wood* **properties].** 035701
The properties of tropical woods. 21. Evaluation of the *wood* **properties** and wood processing suitabilities of timbers from Southeast Asia and the Pacific regions. 035710
The birefringence of *wood* **pulp** fibres and the thickness of the S1 and S3 layers. 035901
Calculating temperature criteria and determining temperature field in the pyrolysis of **pulverized** *wood.* 035803
Some *wood* **quality** properties of Danish grown grand fir [Abies grandis] and Norway spruce [Picea abies]. 035734
Complex utilization of *wood* **raw** material in Czechoslovakia. 035766
1974 Annual meeting of the Chinese Forestry Association on **recent** *wood* supply and demand in Taiwan. 035859
Changes in chemical composition of *wood* **relative** to high-temperature drying. 035804
Performance of *[wood]* **roof** trusses with metal-plate connectors. 035754
Melinda caerulea Mg. (Diptera, Calliphoridae) in **rotten** *wood.* 039703
The importance of solving the problems with dividing cut of logs for the **sawn** *wood* industry in the German Democratic Republic. 035772
Study of forces in relation to **shaving-less** *wood* cutting. 035822
Extractives of New Zealand Nothofagus species. 1. Petroleum ether **solubles.** *[Wood].* 035835
The response of *woody* **species** to air pollutants in an urban environment. 039017
Stabilizing *wood* modified with urea. 035820
Optimizing the capacity of a *round-wood* **storage** facility. 035799
The effect of moisture on long-term **strength** of *wood.* 035825
Relative permeability and the gross pore **structure** of *wood.* 035898
Promoting **Styria's** *wood* market, official record of felled wood. 035696
Evaluation of the sanitary harmlessness of the *wood-impregnation* **substance** Pentor 70 [Swine, toxicity]. 035452
On the strength properties of **sugi** *wood* (Cryptomeria japonica D. Don). 035704
Scanning electron microscopy: a practical tool in *wood* **technology.** 035749
Observations on the genus Lulworthia Suth. [A marine wood rotting fungus], its relationship with Limnoria Menzies [a wood boring isopod] and records of other species [**Tests** with various kinds of *woods].* 038625
Ethylene and extraneous material formation in *woody* **tissues** [Eucalyptus, Rhus, apricots]. 037162
The properties of **tropical** *woods.* 21. Evaluation of the wood properties and wood processing suitabilities of timbers from Southeast Asia and the Pacific regions. 035710
Determination of modulus of elasticity of *wood* from **vibrating** reed measurements. 035741
Development and composition of the *[wood]* **warty** layer in balsam fir [Abies balsamea]. II. Composition. 035897
Ever better boards from **waste** *wood.* 035713
Density of *wood* and **weight** productivity of birch stands in Leningrad Region. 035805
Studies on constituents of medicinal plants. XV. The constituents of the bark and *wood* of **Wisteria** floribunda DC. 037070
Ray tissue percentages in *wood* of **Yugoslavian** hardwoods. 035776

WOODLAND

Woodland **conservation** in eastern England: comparing the effects of changes in three study areas snce 1946. [Forest management]. 035526
Nature conservation in *woodland* **management.** 035522
[Seasonal] variation in the mineral contents of leaves of trees in **miombo** *woodland* [Brachystegia spiciformis, Brachystegia boehmii, Julbernardia globiflora] in South Central Africa. 037918

WOODLOUSE *see* ISOPODA

WOODSIA

Woodsia **oregana** new to Kansas [Pteridophyta]. 035951

WOODWORK

Tentative appraisal of losses caused by insect, technical pests of wood, in the **Hajnowka** *woodworking* installations. 035830

WOOL

Australian *wool* stocks still growing [Supply and demand]. 031600
Wool **growth** rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. 033717
Effect of intraperitoneal injections of DL-methionine on the voluntary intake and *wool* **growth** of sheep fed sole diets of hay, silage and pasture differing in digestibility. 034400
Different levels of nitrogen in the ration for *wool* **production** from Rahmani lambs. I. Effect of ration containing high quality roughage with different levels and sources of nitrogen on wool production and characteristics. 034264
Practical verfication of the possibility of snynchronization of the estrus of **semi-fine** *wool* sheep in the period of fertility by oral administration of superlutine. 034138
Wool **statistics** and related data, 1930-69. 031766
Resist treatment of *wool* with **tannic** acids. II. Physical and practical aspects. 033107
A simple method for the estimation of the ash of vegetable matter during *raw-wool* **testing.** 033091

WORK

Responsility of farmers in the creation of non **agricultural** *work* in rural environment. 031241
Change in numerical strength of the bee colony. IV. Interplay of laying activity of the queen and the emergence rate and longevity of *workers* (**Apis** mellifera L.). 040292
Allatectomy in adult **bee** *workers* (Apis mellifica). 040288
Problems in planning **breeding** *work* with cattle. 034824
Tasks of forced and early vegetable production in Frankfurt(Oder) county to improve supplying the people in the German Democratic Republic, Berlin, and in the *working* class **centers** of Frankfurt County. 038322
Ecological aspects of *work* **concentration** [in viticulture]. 036215
Experiences of **cooperative** *work* in developing specialized plant and animal production farms in the German Democratic Republic. 031318
Women in the forest—How to make their *work* **easier?** 035588
Sucker control: a review of **experimental** *work* 1966-1974 [Tobacco growth inhibitors]. 037487
Results of a cytogenetic investigation of *workers* **exposed** to the fungicide zineb. 039594
Pesticide residues in food. Report of the 1974 joint meeting of the **FAO** *Working* Party of Experts on Pesticide Residues and the WHO [World Health Organization] Expert Committee on Pesticide Residues. Rome, 2-11 December 1974 [Contamination]. 031991
Hydroperoxide destroyers and how they *work* [**Food** stabilizers]. 032779
To avoid accidents at *work* with E 280 **forage** harvester. 040444
List of publications of *workers* of the **Forestry** Faculty [Agricultural Academy in Warsaw]. 035490
Working with **hives** [Apiculture]. 040240
A contribution to the study of the length of the poison gland of **honeybee** *workers.* 040284
Energy **ideas** that *work.* 032665
Plant **improvement** *work* with vegetables at Hammenhog Department [Breeding]. 036700
Ovary development and egg laying in Apis cerana **indica** *workers.* 040248
A multivariate study of mandibular characters in fifth **instar** *workers* and nymphs of Drepanotermes perniger (Froggatt) (Isoptera: Termitinae). 039813
Mutual achievement by *work* and **introduction** of mathematical methods in the management system of agricultural production. 031321
The experience of *working* of the **Kotovskii** agricultural-industrial association [for grape and wine production]. 031387
Working and **learning** in school foodservice. 032608
Increasing the *working* **life** of roller chains. 040426
Shortcommings in **management** *work* causes accidents [Use of electric equipment]. 040434
New *work* of the Seed Union and the results. 032912
Work **organization** using the combine C-12 in harvesting maize. 040527
Work with the **personal** creativity of engineers at the state farm Weimar, agricultural machinery. 040448
Seminars on efficient and safe use of pesticides, and other **pesticide** *work* of the FAO [Food and Agricultural Organization] Industry Cooperative Programme. 039583
Physical *working* capacity in a tropical country [Agricultural laborers]. 031377
Women **plantation** *workers.* 031314
Professional *workers* in state agricultural experiment stations and other cooperating state institution, 1975-76. 031000
On the **protection** *work* of the forest road in the forest road in the Ehime University Forest. VI. Examination of native Japanese vegetation. 2. 035532
The acid-based ratio of minerals in nutrition and the *work* of **Ragnar** Berg concerning their influence on the protein requirements of man. 032473
The reserves of reducing the production cost of **reclamation** *work* in the Nonchernozem zone [Drainage]. 041276
Study of the *work* of **red** wine vats: "self-emptying" vats and vats with improved manual emptying. 033490
Work **remuneration** in sheep breeding. 034802
Self-generated safety assurance dictated by S. 641 [the **Staff** *Working* Draft of the Consumer Food Act of 1975]. 032022
The effect of gamma irradiations on the longevity of the queens and the *workers* of **Temnothorax** recedens (Nyl.) (Formicidae, Myrmicinae). 039816
Age-survival curves for *workers* of **two** eusocial bees (Apis mellifera and Plebeia droryana) in a subtropical climate, with notes on worker polyethism in Plebeia droryana. 040242
Research concerning the number of **weather-permitting** *work* days in the spring for soil cultivation [Tillage]. 041144
Proteins of honeybee (Apis mellifera mellifera L.) hemolymph. II. Foraging and **winter** *workers.* 040198
The proteins of the honeybee (Apis mellifica mellifica L.) haemolymph. II. Foraging and **wintering** *workers.* 040200
Landless agricultural **women** *workers.* 031310
How Taiwan homestead farmers make methane [gas] *work* for them. 040343
5000 **years** *work;* producing vegetables, flowers, and plants for house and garden for a value of 550 million kroner [Agricultural administration]. 031296

WORMS

Taenia hydatigena. V. Surface structure of the **adult** *worm* and evaginated scolex [Dogs]. 035093

Some possible effects of dung beetle activity on the infestation of pastures by **intestinal** *worm* larvae of cattle. 039469
Development of the giant **kidney** *worm,* Dioctophyma renale (Goeze, 1782) (Nematoda: Dioctophymatoidea) [Found in mink]. 035040
The change of groundwater quality in the Upper Rhine Valley between **Spires** and *Worms.* 041457
Chemical control of the potato **tuber** *worm,* Gnorimoschema operculella Zell. (Lepidoptera: Gelechiidae) in Karnataka. 039350

WORTS
Wort **aeration.** 032732
Analysis of carbohydrate components of **beer** *wort* from barley malt. 032895
Accelerated fermentation of **brewer's** *wort* by Saccharomyces carlsbergensis [Yeasts]. 032719
Alcoholic beverage processes *[Wort,* **hops,** malt, wine, spirits]. 032817
Change in the free amino acid composition of Egyptian barley during preparation of **malt** and *wort.* 033150

WOUND
Effect of calcitonin on DNA synthesis in **experimental** *wounds* [Rabbits]. 035433
Effect of water stress on the rate of non-suberized impervious tissue formation **following** *wounding* in Abies grandis [Susceptibility to insect and fungal pathogens]. 037919
Studies on Sargassum. I. A light microscopic examination of the *wound* **regeneration** process in mature stipes of Sargassum filipendula [Algae]. 036268
Rapid metabolic changes in the *wounding* **response** of leaf discs [of tobacco] following excision. 037526
DTPA [diethylenetriamine pentaacetic acid] therapy of 241 Am [americum isotopes] from a **simulated** *wound* site [Dogs]. 035411

XANTHINE
Studies of *xanthine* **oxidase** in goat milk. 032968

XANTHIUM
Abscisic acid content and stomatal sensitivity to CO2 [carbon dioxide] in leaves of *Xanthium* **strumarium** L. after pretreatments in warm and cold growth chambers. 037200

XANTHOMONAS
Studies on saprophytic survival of *Xanthomonas* **citri** (Hasse) Dowson. 2. Longevity and survival density of the bacterium on artificially infested weeds, plant residues and soils. 038852
Mineral composition of canker, halo and green regions of citrus leaves infected by *Xanthomonas* **citri.** 038862
An improved seed programme for maintaining disease-free seed of field beans (Phaseolus vulgaris) *[Xanthomonas* **phaseoli,** Xanthomonas phaseoli fuscans, Pseudomonas phaseolicola]. 038872
Sugarcane: heat treatment for control of ratoon **stunt** *[Xanthomonas].* 038854

XANTHONES
Xanthones of **Swertia** bimaculata. 037183

XANTHOPHYLLS
The reversible, light-induced conversions of *xanthophylls* in the **chloroplast.** 036802
Daily changes of *xanthophyll* **content** in leaves of lady's mantle [Alchimilla subcrenata] growing beyond the polar circle. 037273

XENOPSYLLA
The effect of a long contact of the population of fleas *[Xenopsylla* **cheopis]** with plague Bacteria on the infection activity of vectors. 039503
The jumping mechanism of *Xenopsylla* **cheopis.** I. Exoskeletal structures and musculature. 039897
The jumping mechanism of *Xenopsylla* **cheopis.** II. The fine structure of the jumping muscle. 039898
The jumping mechanism of *Xenopsylla* **cheopis.** III. Execution of the jump and activity. 039899

XYLANASES
On the modes of action of **three** *xylanases* produced by a strain of Aspergillus niger van Tieghem [Fungi]. 036730

XYLANS
The rate and products of degradation of *xylans* by **rumen** hemicellulases [Digestibility of feeds by ruminants]. 034214

XYLARIA
Amino acid spectrum of three Xylariaceous fungi [Hypoxylon haematostroma, Rosellinia petrakii, *Xylaria* **dealbata].** 038672

XYLEBORUS
Ultrastructure of the compound eye of the diploid female beetle, *Xyleborus* **ferrugineus.** 039674

XYLEM
An ultrastructural study of acid phosphatase localization in Phaseolus vulgaris [kidney bean] *xylem* by the use of an **azo-dye** method. 037774
Selectivity in *xylem* to **phloem** transfer of amino acids in fruiting shoots of white lupin (Lupinus albus L.). 037530

XYLOCOPA
Observations on male territories in a carpenter bee, *Xylocopa* **(Neoxylocopa)** hirsutissima Maidl (Hymenoptera, Anthophoridae). 039956

XYLOCOPINAE
Larvae of African allodapine bees. 2. Braunsapis and Nasutapis **(Hymenoptera:** *Xylocopinae).* 040253

XYLOPHAGOUS
The effect of ionizing radiation CO60 [cobalt isotope] on glycosidases and haemolymph proteins from Phoracantha semipunctata F. (Cerambycidae), *xylophagous* **Eucalyptus** borer. 039402
Study of the settling process of various *xylophagous* **insects** on Abies cephalonica in Greece (Mount Parnis, Attica). 039374
Biosynthesis of vitamins of the B group by yeasts [Debaryomyces, Zygowillia] symbiotic on *xylophagous* **insects** [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876

YAMS
The polyphenol of Dioscorea **alata** *(yam)* tubers associated with oxidative browning. 033416
Nutritional deficiencies of *yams* **(Dioscorea** spp.) and related effects on yield and leaf composition. 039014
Flours made from **edible** *yams* (Dioscorea spp.) as a substitute for wheat flour. 033417
Yams **as a source** of edible protein. 032464

YARNS
The quantitative analysis of [synthetic and natural] **blended-fibre** *yarns* by point-counting. 032870
Geometry of bent **continuous-filament** *yarns.* 033106
Deviation of actual counts of **cotton** *yarn* samples from nominal count (60 carded). 3. 1970 [production]. 033143
Efficiency of fertilizers in hemp **crops** for *yarn.* 041052
Fiber and *yarn* **data** on sixty-two research cotton samples. 033171

YEARLINGS
Triticale as a grazing crop for *yearling* **beef** steers. 038022

YEAST
Production of a mitochondrial mutant of Saccharomyces cerevisiae resistant to tetracycline and elucidation of the mechanism of its resistance to this **antibiotic** *[Yeasts].* 036687
Fermentative production of citric acid by **Aspergillus** *niger[yeast]:* strain selection and optimum cltural conditions for improved citric acid production. 032867
Unusual sources of proteins for man [Single cell protein, algae, *yeasts,* **bacteria].** 032781
Effect of ultrasonic waves on the biological properties of **bakers'** *yeast* [Saccharomyces cerevisiae]. 032717
Studies on cytochrome c. X. Synthesis of N [nitrogen] alpha-benzyloxycarbonyl-[Thr107] [thorium isotope]-dotetracontapeptide (sequence 67-108) of **baker's** *yeast* iso-1cytochrome c [Saccharomyces cerevisiae]. 032724
Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the C-terminal region of **baker's** *yeast* [Saccharomyces cerevisiae] iso-1-cytochrome c. 032725
Effect of metabolic inhibitors on the preservability of **baker's** *yeast* [Saccharomyces cerevisiae] and on the increase ofintracellular proteinase activity during its storage. 032864
Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from **baker's** *yeast* [Saccharomyces cerevisiae]. 036781
Effect of temperature and active acidity of the medium on the metabolism of reserve carbohydrates and survivability of **baker's** *yeast* [Saccharomyces cerevisiae]. 037216
Mechanism of unbalanced growth and death of **biotin-deficient** *yeast* [Saccharomyces cerevisiae] cells in the presence of aspartic acid. 039021
Synthesis of methyl ester 8,14-seco-delta1,3,5(10), 9(11)-estratetraendiol3,17 beta-OH-14 by the culture Saccharomyces cerevisiae **BKMU-488** *[Yeasts].* 037231
Stereochemistry and mechanism of methanol oxidase from Candida **boidinii** *[Yeasts].* 036958
Pyruvate dehydrogenase complex from **brewer's** *yeast* [Saccharomyces carlsbergensis]: regulation blythe carbon source. 037312
Influence of substrate n-alkane composition on lipid biosynthesis by the *yeast* **Candida** guilliermondii [Animal feed, industrial fats]. 033502
Changes in the activities of enzymes and the protein content of *yeasts* **[Candida** guilliermondii] in relation to the residual hydrocarbon levels in the biomass. 036769
Reltionship between the presence of linolenic acid and the ability to form respiration-deficient mutants in *yeast* **[Candida** pseudotropicalis, Debaryomyces hansenii, Kluyveromyces marxianus]. 036948
Development and germination of [the *yeast]* **Candida** albicanschlamydospores in relation to age. 037047
Effect of magnesium concentration in the culture liquid on the *yeast* **[Candida** guilliermondii] consumption of trace elements. 037214
Formation of primary alcohols and palmitic acid as a result of hexasecane microbiological oxidation **[Candida,** *yeasts].* 037219
Measurement of relative volume of lipid incorporations of the *yeast* **Candida** guilliermondii cultivated on hydrocarbons. 037222
Use of malt extract as a nitrogen source for continuous cultivation of *yeast* **Candida** utilis. 037236
Accelerated fermentation of brewer's wort by Saccharomyces **carlsbergensis** *[Yeasts].* 032719
Genetic co-regulation of galactose and melibiose utilization in Saccharomyces [Cerevisiae, Saccharomyces **carlsbergensis,** *yeasts].* 036560
Mutants of Saccharomycopsis lipolytica defective in lysine **catabolism** *[Yeasts].* 036562
Population study of Saccharomyces cerevisiae *[yeasts].* I. **Cell** morphology and age categories distribution in dependence on the medium composition in a continuous cultivation. 036833
Effect of uvs1, uvs2 and xrs mutations on radiosensitivity and the frequency of induced mitotic recombination in diploid [Saccharomyces cerevisiae] *yeast* **cells.** 036515
Inactivation and mutation of *yeast* **cells** by hydrogen peroxide [Saccharomyces cerevisiae]. 036599
The induction of pyrimidine dimers in nuclar DNA after U.V. [Ulraviolet]-irradiation during the synchronous cycle of Saccharomyces **cerevisiae** *[Yeasts].* 036557
Thermosensitive mutations affecting ribonucleic acid polymerases in Saccharomyces **cerevisiae** *[Yeasts].* 036563
Genetical and biochemical aspects of resistance to p-fluorophenylalanine in Saccharomyces **cerevisiae** *[Yeasts].* 036565
The restriction of the recombination of mitochondrial DNA molecules in the zygotes of Saccharomyces **cerevisiae** *[Yeasts].* 036593
Abundant species of poly(a)-containing RNA from Saccharomyces **cerevisiae** *[Yeasts].* 036807
Thiamine transport mutants of Saccharomyces **cerevisiae** *[Yeasts].* 036823
Effect of GAL4 gene dosage on the level of galactose catabolic enzymes in Saccharomyces **cerevisiae** *[Yeasts].* 037011
Yeast **composition** of grape musts subjected to thermal treatments of varied intensity and duration. 033338
Short-term baking systems. I. Interdependence of *yeast* **concentration,** fermentation time, proof time and oxidation requirement. 033210
Manganese mutagenesis in *yeast.* II. **Conditions** of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. 036502
Taxonomy and preservation of fungus and *yeast* **culture.** 036149
Effect of the chemical nature of the carbon source on the biomass composition [Candida tropicalis, Candida utilis, Trichosporon **cutaneum,** *yeasts].* 037217
Biosynthesis of vitamins of the B group by *yeasts* **[Debaryomyces,** Zygowillia] symbiotic on xylophagous insects [Ips subelongatus, Xylotrechus altaicus, Monochamus urussovi]. 039876
Induction of haploid glycoprotein mating factors in **diploid** *yeasts* [Hansenula wingei]. 037103
Mechanisms of abnormal fermentation of **distiller's** *yeast* [Saccharomyces formosensis] in salted media (such as molasses media) from the point of NAD(P) [nicotinamide adenine dinucleotide phosphate] redox balances. 032865
Isolation of *yeast* **DNA** [Saccharomyces cerevisiae]. 037106
The chitin-glucan complex of Saccharomyces cerevisiae *[Yeasts].* III. **Electron-microscopic** study of the prebudding stage. 036311
Effect of substrates on acetoin production by Torulopsis colliculosa *[Yeasts]* and **Enterobacter** [Bacteria] species. 036777
Occurrence of kynurenine aminotransferase in **extracts** of *yeasts.* 036849
Synchronization of the **fission** *yeast* Schizosaccharomyces pombe using heat shocks. 037110
Yeast **flora** of the rhizosphere and phyllosphere of plants. 037123
Furfurol influence on the energy metabolism of **fodder** *yeast* [Candida tropicalis]. 037220
Broiler chicken compound forages mostly with native raw materials. I. Replacement of fish meal by bird offal and **forage** *yeasts* meal at normal protein level. 034533
Further studies on the peptido-galactomannan from the *yeast* **form** of Cladosporium werneckii. Identification of O-acetyl substituents and isolation of the peptide components following-beta-elimination. 036783
Phenotypes (killer, neutral, sensitive) of *yeasts* of the **genus** Saccharomyces [cerevisiae] in viticulture and methods oftheir determination. 036062
Effect of pepsin inhibitor (S-PI) [Streptomyces naniwaensis] on the growth and carotene formation of Rhodotorura **glutinis** *[Yeasts].* 037005
Safety evaluation of *yeast* **grown** on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins [Industrial production of proteins]. 032013
Development of mitochondrial membranes in anaerobically **grown** *yeast* cells [Saccharomyces cerevisiae]. 037016
Growth and **handling** of *yeasts.* 037101

A comparative study of the mutagenic effect and the nature of the mutations caused by the action of external beta-irradiation and of incorporated phosphorus-32 on the cells of **haploid** *yeasts* [Saccharomyces cerevisiae]. 036661
Fermentation of **honey** by *yeast*. 032892
The effect of caffeine on the survival and recovery of **irradiated** *yeast* cells [Radiation, injuries]. 037250
Culture of **lipid-forming** *yeasts* in mixtures of oxidate and hydrolysate of peat. 037000
Urease: the bye-product of *yeast* **manufacturing.** 032709
Separation and some properties of the inner and outer membranes of *yeast* **mitochondria** [Saccharomyces carlsbergensis, Saccharomyces cerevisiae]. 037109
Fungi in foods. VII. A comparison of the surface, pour plate, and most probable number methods for enumeration of *yeasts* and **molds.** 032094
Fermentation of various sugars in Saccharomyces ellipoideus and Schizosaccharomyces pombe [Wine **musts,** *yeasts].* 033337
Genetic effects of the decay of sulfur-35 in cells of the yeast Saccharomyces cerevisiae. II. The mutagenic effect and nature of induced **mutations** *[Yeasts].* 036675
Changes of lipid composition with growth phase of Cryptococcus **neoformans** *[Yeasts].* 036728
The mutagenic activity of diepoxbutane in *yeast* **[Neurospora].** 036603
New *yeast* species and varieties hitherto described in Japan. 036035
A **new** *yeast* species from the soil—Candida podzolica sp. N. 040685
The isolation of *yeast* **nuclei** and methods to study their properties [Saccharomyces carlsbergensis, Kluyveromyces fragilis]. 037111
Activity of dehydrogenases of the accumulative and continuous culture of the paraffin **oxidizing** *yeast* Candida. 037209
Changes in lipid components of miso-dama koji [Soybean **pastes,** *yeasts].* 033264
Structure of *yeast* **phenylalanine** transfer RNA at 2.5 A [angstrom] resolution. 037242
The kinetics of codon-anticodon interaction in *yeast* **phenylaline** transfer RNA. 037058
Control of nutrient supply in *yeast* **propagation** [Food technology]. 032729
Spinnability of *yeast* **[Saccharomyces** cerevisiae] protein and its viscoelastic properties [in comparison with commericalcasein and soy protein]. 032846
Effect of products of thermophilous methane fermentation on the fermentation of fruit must by the *yeast* **Saccharomyces** vini. 033438
Development of host-mediated mutagenicity tests—yeast systems. II. Recovery of *yeast* **[Saccharomyces** cerevisiae] cells out of testes, liver, lung and peritoneum of rats. 034109
Mode of *yeast* **[Saccharomyces** cerevisiae] inhibition by A-435 antibiotic. 036317
Mapping and gene conversion studies with the structural gene for iso-1-cytochrome C in *yeast* **[Saccharomyces** cerevisiae]. 036507
Genetic and biochemical studies of acid phosphatases in *yeast* **Saccharomyces** cerevisiae. V. Genetic control of regulation of acid phosphatase 2 synthesis. 036516
Radiosensitivity of double mutant haploids of *yeast* **[Saccharomyces** cerevisiae]. 036525
Cytoplasmic inheritance and mitochondrial genetics in *yeasts* **[Saccharomyces** cerevisiae]. 036584
Induction, selection, and experimental uses of temperature-sensitive and other conditional mutants of *yeast* **[Saccharomyces** cerevisiae]. 036585
Isolation of mitochondria and techniques for studying mitochondrial biogenesis in *yeasts* **[Saccharomyces** cerevisiae]. 036586
Mutagenesis in *yeast* **[Saccharomyces** cerevisiae, Schizosaccharomyces pombe]. 036587
Selection of spontaneous mutants by inositol starvation in *yeast* **[Saccharomyces** cerevisiae]. 036591
The organization of genes in *yeast* **[Saccharomyces** carlsbergensis] mitochondrial DNA. II. The physical map of ecoRI and HindII-III fragments. 036592
Genetic effect of formaldehyde in *yeast* **[Saccharomyces** cerevisiae]. I. Infuence of the growth stages on killing and recombination. 036598
Genetic effects of the decay of sulfur-35 in cells of the *yeast* **Saccharomyces** cerevisiae. II. The mutagenic effect and nature of induced mutations [Yeasts]. 036675
Localization of mutations in the second chromosome of the *yeast* **Saccharomyces** cerevisiae. 036680
Characterization of elongation factor 1 from *yeast* **[Saccharomyces** cerevisiae]. 036779
Effect of cordycepin triphosphate on the nuclear DNA-dependent RNA-polymerases and poly(A) polymerase from the *yeast,* **Saccharomyces** cerevisiae. 036780
Isoionic titration and isopycnic density gradient centrifugation studies of margnesium activation and subunit dissociation in *yeast* **[Saccharomyces** cerevisiae] enolase. 036785
Detailed analysis of the ribosomal RNA synthesis in *yeast* **[Saccharomyces** carlsbergensis]. 036811
Effect of tetraphenylboron upon the uptake of the LIpophilic cation dibenzylidmethylammonium by *yeast* **[Saccharomyces** cerevisiae] cells. 036814
Substitution of cellular fatty acids in *yeast* **[Saccharomyces** cerevisiae] cells by the antibiotic cerulenin and exogenous fatty acids. 036822
Coding origin of isoaccepting tRNA in *yeast* **[Saccharomyces** cerevisiae] mitochondria. 036824
Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in *yeast* **[Saccharomyces** cerevisiae]. II. Labelling studies of the precursor product relationship. 036825
Specific binding of invertase of the medium by *yeast* **[Saccharomyces** cerevisiae] cell surface during the regulation of formation of the enzyme. 036912
Renaturation of *yeast* **[Saccharomyces** cerevisiae] inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. 037018
A revised preparation of *yeast* **(Saccharomyces** cerevisiae) pyruvate kinase. 037019
Small-angle X-ray scattering study of the interaction between lysine transfer RNA ligase from *yeast* **[Saccharomyces** cerevisiae] and transfer RNA. 037057
DNA-dependent RNA polymerases from *yeasts* **[Saccharomyces** cerevisiae]. 037100
In vivo and in vitro synthesis of *yeast* **[Saccharomyces** cerevisiae] mitochondrial DNA. 037102
Isolation of vacuoles from *yeasts* **[Saccharomyces** cerevisiae, Candida utilis]. 037105
Methods for avoiding proteolytic artefacts in studies of enzymes and other proteins from *yeasts* **[Saccharomyces** cerevisiae]. 037107
Fluorochrome staining of *yeast* **[Saccharomyces** cerevisiae] nuclei with acridine-yperite. 037118
Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in *yeast* **[Saccharomyces** cerevisiae] by ethidium bromide and berenil. 037124
Nucleic acid metabolism in *yeast* **[Saccharomyces** cerevisiae]. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. 037125
Two mutations which confer temperature-sensitive radiation sensitivity in the *yeast* **Saccharomyces** cerevisiae. 037127
Effect of cultivation conditions on the activity of respiration of *yeast* **Saccharomyces** bayanus. 037212
Translation of RNA that contains polyadenylate from *yeast* **[Saccharomyces** cerevisiae] mitochondria in an Escherichia coli ribosomal system. 037243
Induction of cytochrome P-450 in *yeast* **[Saccharomyces** cerevisiae] by phenobarbital. 037306
Analytical methods for *yeasts* **[Sacchomyces** cerevisiae]. 037099
Preparation of RNA and ribosomes from *yeast* **[Sacchomyces** cerevisiae]. 037108
The use of fluorescent DNA-binding agent for detecting and **separating** *yeast* [Saccharomyces cerevisiae] mitochondrial DNA. 037112
Regulation of biosynthesis of amylolytic enzymes from Endomycopsis fibuligera **str.** 20-9 *[Yeasts].* 037228
Torula thermophila *[yeast]* **strain** UzPT-1, thermophilous producer of proteolytic enzymes. 037234
Inhibitors of macromolecular **synthesis** in *yeast.* 037104
Development of host-mediated mutagenicity **tests**—*yeast* systems. II. Recovery of yeast [Saccharomyces cerevisiae] cells out of testes, liver, lung and peritoneum of rats. 034109
The gene dosage effect of the rad52 mutation on X-ray survival curves of **tetraploid** *yeast* strains [Saccharomyces cerevisiae]. 036602
[Mutagenic] effect of DNA from different sources and of different physico-chemical properties on hystidine-deficient strain of Candida **tropicalis** D-2 his- *[Yeasts].* 036529
A genetic analysis of the nature of the reversions induced by ultraviolet light in normal and UV **[ultraviolet]-sensitive** *yeasts* under different postirradiation conditions. 036664
Fermentation of agricultural **wastes** by *yeast.* 041496
Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterologous cell-free systems [Saccharomyces cerevisiae, *yeasts,* **wheat,** rabbits]. 036819
Study of aroma forming substances in **wine** *yeast.* 033441

YELLOW

Isolation of perloline, the *yellow* **alkaloid** of tall fescue [Festuca arundinacea]. 037549
Selection of **Armenian** *yellow* bees [Apis mellifera, breeding, races]. 040277
Serological differences between some isolates of **bean** *yellow* mosaic virus. 038876
Purification and serology of **bean** *yellow* mosaic virus [transmitted by Myzus amaranticolor]. 038883
Some aspects of the relationship between mung **bean** *yellow* mosaic virus and its vector Bemisia tabaci. 038912
Sulphur received in rainfall and leached from a *yellow* **brown** loam. 041017
Yellow **fat** in sheep. 033099
Grow *yellow-seeded* linseed [Culture]. 038554
Influence of nematicides on growth of plots of white clover on a *yellow-brown* **loam.** 039040
Effects of crown release and fertilizer on small saw **log-sized** *yellow* birch [Betula alleghaniensis]. 041114
Certain carbohydrate-metabolism enzymes in the nodules of *yellow* **lupine.** 037354
(-)-(Trans-4'-hydroxycinnamoyl)lupinine, a new alkaloid in Lupinus [luteus, *yellow* **lupine]** seedlings]. 037517
Negative secondary effect from green manuring with *yellow* **lupine** [Fertilizing Picea abies and Picea omorika]. 040904
Yellow-seeded rape and turnip rape. II. Breeding for improved quality of oil and meal in *yellow-seeded* **materials.** 036701
Effect of *yellow* **mosaic** on the composition of free amino acids in the grape leaves. 038902
Yellow-seeded **rape** and turnip rape. II. Breeding for improved quality of oil and meal in yellow-seeded materials. 036701
The interaction of structural and regulatory genes controlling the color of the grains of millet (Panicum miliaceum L.). I. Inheritance of the *yellow* and **red** colors of the grain. 036692
Germination of Puccinia striiformis uredospores on leaves of adult winter wheat plants [Resistance to *yellow* **rust].** 038566
Identification of *Yellow* **soil,** Red soils, and Brown Forest soils based on the Soviet achievement in pedology. II. Brown Forest soils. 040711
Resistance in Digitaria to the *yellow* **sugar-cane** aphid, Sipha flava (Forbes). 039306

YERSINIA

Detection of *Yersinia* **enterocolitica** in the feces and meat of pigs, bovines and poultry. 035062
Cat bite transmission of *Yersinia* **pestis** infection to man. 035125

YIELD

Development and *yielding* **ability** of Fragaria ananassa Duch. [Strawberry] as affected with gibberellin. 037849
Industrialists constrained to *yield* after **absurd** strong-arm tactics [Contract farming]. 031254
Cereal growing in the Nonchernozem zone of the RSFSR **[Acreage,** *yields].* 031767
Yield of **1,6-anhydro-3,4-dideoxy-beta-d-glycero-hex-3-enopyranos-2-ulose** (levoglucosenone) on the acid-catalyzed pyrolysis of cellulose and 1,6-anhydro-beta-d-gluco-pyranose (levoglucosan). 035718
Preliminary results of trials on regulation of *yields* in **apple** trees by 2-chloroethylphosphonic acid. 038265
A study on the **average** *yield* of different species of prawns used for freezing and canning. 032791
The change of the plastid apparatus per unit of leaf area and the *yield* of **barley** under various application of zinc. 040874
Photochemical oxidants in Yonkers, New York: [Ozone] effects on *yield* of **bean** and tomato. 039018
What affects the *yields* of **Belta** [rye variety]. 038205
Yield and **cadmium** accumulation of forage species in relation to cadmium content of sludge-amended soil. 039019
Feeding studies with broiler fed wheat rich in crude protein. 2. **Carcass** *yields* and carcass composition. 034310
Effect of black polyethylene mulch on the growth, earliness and *yield* of **cauliflower** (Brassica oleracea var. botrytis). 041015
Celery *yield* increased by sowing germinated seeds. 038360
The duration of field operations and the *yield* of **cereals.** 038198
Effect of standardization of buffalo milk fat of soft **cheese** *yield* and properties. 032936
The effect of boron on the *yield* and **chemical** composion of tobacco vegetative matter. 038095
The influence of potassium nutrition on the *yield* and **chemical** composition of some tropical root and tuber crops [Fertilizers]. 040975
Triticales in the south central zone of **Chile** *[Yields].* 038153
The genetic variability of the *yield* **components** in the Kenyan Pyrethrum [Chrysanthemum cinerariaefolium] population [Insecticides, plant origin]. 036626
Effects of the amount of nitrogen absorbed up to the stage of 90 in leaf number index on the morphological characteristics, the degree of lodging and the *yield* **components** in rice plants. 037541
The interaction between foot rot infection and *yield* **components** of winter wheat in dependance on cultivation techniques. 038833
Effect of nitrogen, phosphorus, and potassium fertilizers on *yield* **components** and specific gravity of potatoes. 040882
Effect of excess hydraulic pressure on *yield* and **composition** of water-soluble substances extracted from larch wood. 035807
Effect of fertilization on *yield* and **composition** in different potato varieties. III. Effect of fertilization and rainfall on tuber number per plant and its correlation with yield in different potato varieties. 041021
The effect of some procedural aspects in the extraction of cassie [Acaia farnesiana] essential oils on their *yield,* **contents** and properties. 037691
Correlation study of quality and *yield* **contributing** characters in early maturing sugarcane cultivars. 038034
The influence of nitrogen, phosphorus, potassium, and copper doses on the *yields,* and the **copper** and nitrogen uptake by plants under the conditions of pot experiments [Field crops]. 037507
System of maize irrigation *[Yields,* **costs].** 041360
Chilean agrarian reform. II. Its influence on farm production **[Crop** *yields].* 031783
The effect of interval between harvests and nitrogen application on the proportion and *yield* of **crop** fractions in four ryegrass [Lolium] varieties in the first harvest year. 038048
Adequate planting and tending of [fruit] trees for early and high **crop** *yields* in new plantations. 038303
The relationship between **crop** *yield* (or mean plant weight) of lettuce and plant density, length of growing period, and initial plant weight. 038389
Effect of southern Chernozem-Solonetz characteristics on small grain **crop** *yields.* 040723
Soil chemistry and accumulation by roots of artificial radionuclides in **crop** *yields* [Radioactive contamination]. 040743

Mineral fertilizers as the basis for increasing **crop** *yields.* 040989
Organization of agrochemical service in Cherkassy Region [Fertilizers, field **crop** *yields].* 040990
Size and dynamics of the *yield* of **crops** under rotation with long-term use of fertilizers. 040836
The effect of mineral fertilizers on quality of *yield* of **crops** grown on irrigated peat soils. 041128
Growth and *yield* of **cultivated** plants treated with herbicides. 3. Treatment eith 2,3,6-trichlorobenzoic acid (TBA). 039183
Sudangrass [Sorghum vulgare sudanense] in the Tambov Region *[Yields,* **culture].** 038064
Modifying effect of **daily** *yields* on the heat tolerance of cattle. 034186
Effect of pre-sowing gamma irradiation (60Co) [cobalt isotope] on *yield* **development** of earliest red radish (Raphanus sativus sub. var. radicula). 038226
Heritability estimates of percentage seed protein and available methionine and correlations with *yield* in **dry** [kidney] beans. 036430
Enhance brown sarson [bird rape] *yields* in **drylands.** 038028
An **endo-alpha** *yield* 6-D-mannanase from soil bacterium [Arthobacter]. Purification, properties, and mode of action. 040668
Estimates of relative efficiency for cotton field **experiments** *[Yields].* 037953
Connection between protein content and malt **extract** *yield* in brewing barley. 033279
The *yields* of **extracted** protein and of residual fiber from potato haulm taken as a by-product [Feed]. 033507
Programming the *yield* of **farm** crops. 031391
Hybrids lines from the cross between Gossypium hirsutum L. and Gossypium barbadense L. [Cotton]. V. Separation and relative importance of the genetic effects for the **fiber** *yield* and length. 036418
The influence of date of sowing on the incidence of tip-rot [Phoma] and **fibre** *yield* of mesta [Hibiscus cannabinus]. 038665
The effect of tree age and time of day for collecting the flowers on the **flower** *yield,* content and composition of cassie (Acacia farnesiana) essential oils. 037692
Interrelationships of **fodder** *yield* and its components in oats (Avena sativa L.) [India]. 036498
Forage *yields* of different alfalfa varieties in pure stands and in mixtures with grasses. 037972
Effect of polyethylene and aluminium foil mulches at three plant populations on *yields* of **glass** house tomatoes. 038508
Heterosis and combining ability in a spring wheat diallel cross. I. **Grain** *yield* and its components. 036378
Effect of systematic application of fertilizers on **grape** *yield.* 041087
Irrigated pastures in the Transcarpathian Region **[Grass** *yields].* 041359
The effect and aftereffect of fertilizers on vineyards *[Yields,* **growth].** 041089
Effect of degree of sprouting in winter wheat and rye on seed quality and **harvest** *yields.* 037557
Increases in *yields* with **heterosis** crossings of Vitis vinifera L. [Grapes]. 036588
Mowing of **high** *yield* grass stands [Costs]. 031474
Problems of feeding **high** *yielding* cows according to energy requirements. 034340
High cropping standards essential to contest for **high** *yield* stability. 038011
A sample survey on the performance of **high** *yielding* and local paddy [rice] varieties in relation to the agronomic practices at Mangalore. 038083
High *yields* of sugarbeet per hectare. 038109
High *yields* of peas [in the Cherkassy province]. 038536
Regulation of the water regime on agricultural lots and flood control, a premise to secure **high** *yields.* 041417
Rationalization for high **honey** *yields* [Apiculture]. 040307
Use of triploid males for increasing **hop** *yields.* 036457
Yield **improvement** of coconut in elevated inland area of Davao (Philippines) by KCl [potassium chloride] fertilization. 041023
Yield **increase** through identification of the most favourable sowing time [Rice]. 038187
Increase *yield* of pulses by controlling weeds. 039165
The effct of iron on a *high-yielding* **industrial** strain of Penicillium chrysogenum [fungi] and production levels of penicillin G. 037045
The increase of the *yield* of **juice** from apples is the major task of [processing] enterprises. 033480
Yields of 2900 **kg** soybeans per acre under without irrigation conditions. 038122
Nutritional deficiencies of yams (Dioscorea spp.) and related effects on *yield* and **leaf** composition. 039014
Lentil *yield* increases with Rhizobium inoculation. 038127
Influence of lint percentage, boll size, and seed size on **lint** *yield* of Upland cotton with high fiber strength [Breeding, selection]. 036433
Appraisal of *yield* **loss** in wheat due to foliage diseases caused by Alternaria triticina and Helminthosporium sativum. 038674
Yield **losses** in maize caused by different levels of infestation of second-brood European corn borers [Ostrinia nubilalis]. 039288
Hints for maximizing **lucern** *yield.* 038126
Increase in hybrid **maize** *yield* by means of reciprocal recurrent selection on the basis of varietal crosses. 036647
Crop production function determinations [relating to **maize** *yield]* as influenced by irrigation and nitrogen fertilization using a continuous variable design. 038098
The effect of straight and complex fertilizers on the *yield* of some **major** cereals in the northwest frontier province [Pakistan]. 040857
Influence of some microelements and phytohormones in the photosynthesis intensity and *yield* of **malting** barley. 037552
Greater utilisation of sunlight by crop plants for **maximising** *yield* [Rice, photosynthesis]. 037451
Maximum *yields* of maize in 1975. 038110
Fertilizers and **maximum** *yields* of winter wheat. 041134
Effect of mechanized tree pruning on *yield* of **mazzard** cherries. 038469
Citrus: golden fruit on the **menu** *yields* gold. 032629
The rhythm of **milk** *yield* in dairy cattle [Lactation curve]. 034091
The effect of the level of concentrates in the ration on **milk** *yield* and composition in buffaloes. 034268
Experiments on the influence of the frequency of feeding on rumen fermentation, food intake **milk** *yield.* 034334
Preliminary remark to the problem area II: Feeding, **milk** *yield* and economical aspects of dairy cattle husbandry. 034339
Study on **milk** *yield* and milk composition of purebred Murrahbuffalo cows and of crosses with native buffalo bulls. 034874
Some problems of leucosis genetics in cattle. I. Transmission, the age of a disease, the effect of the population size, purebredness and the level of **milk** *yield* on the rate of leucosis. 035315
The effects of copper supplementation on stock health and production. 3. The effect of parenteral copper on the **milk** *yield* characteristics of a dairy herd with hvpocuprosis. 035365
Measurements of the influence of certain parameters of teat cup design used in the nonpulsating milking system, and variations in **milk** *yield* when alternating between this system and the pulsating system. 040455
Yield-related **mineral** fertilization for efficient use of mineral fertilizers in field vegetable production. 040943
The effect of sowing date and season on the development and *yield* of **navy** beans (Phaseolus vulgaris) in south-east England. 038388
Effect of *yield* and **nitrogen** fertilization on grass drying in the open. 033587
Autumn **oil** *yielding* plants and parasites. 039062
Contribution of changes in *yield* to **output** and variability in trends for selected basic [field] crops. 038140
New type of grass meter for **pasture** *yield* estimation. 038053
Effects of B-9 (N-dimethyl-aminosuccinamic acid) on growth and *yield* of **peanuts** (Arachis hypogaea L.). 037468
Effects of SADH [Alar] fall sprays on the fruit set and *yield* of **pear.** 037837
Yielding and **plastic** flow of sensitive cemented clay. 040593
Maximum **potato** *yield* in the United Kingdon. 038425
Effect of clone selection time on **potato** *yield.* 038529
Ways of increasing **potato** *yield* in irrigated soils. 038530
Determination of losses of the **potato** *yield* due to Phytophthora by the dynamics of injuries on leaves. 038799
Effect of fertilization on yield and composition in different potato varieties. III. Effect of fertilization and rainfall on tuber number per plant and its correlation with *yield* in different **potato** varieties. 041021
Use of *yield* **potentials** of Soviet wheat varieties in the Czechosovak Socialist Republic. 038040
Yield and **protein** content of wheat varieties (Kalyansona and NI-5642) as influenced by sublethal doses of herbicides. 039169
Full forest utilization. II. Quality and kraft **pulp** *yield* of eastern Canadian hardwoods. 035849
Increased linerboard **pulp** *yield* through sulfonation. 035882
The effect of hydrogen-ion and tartaric acid concentrations on the *yield* and **quality** of the lime tartrate [Wine production]. 033477
Effect of variable plant heights and stump heights on the growth, *yield* and **quality** of Napier-Bajra [Pennisetum purpureum, pearlmillet] hybrid (NB-21). 038031
Morphologo-anatomical features, *yield* and **quality** of Jebel Basma 359 tobacco variety as influenced by soil. 038135
Possibilities of increasing the *yields,* the **quality** and the longevity in irrigated alfalfa crop. 038146
Barley, oats, and field beans with undersown Italian ryegrass [Lolium multiflorum]. The influence of date on first cut, cover crop and nitrogen level on *yield* and **quality** of yield. 038171
Effects of the date of sowing of Mironovskaia iubileinaia and Kavkaz varieties [of winter wheat on the *yield* and its **quality].** 038192
Effect of plant density and row width on *yield* and **quality** of sugarbeet drilled to a stand. I. Stimulated plant spacing. 038218
Effect of plant density and row width on *yield* and **quality** of sugar beet drilled to stand. II. Plant spacing by drilling to a stand. 038219
Effect of sources and levels of phosphorus on the *yield* and **quality** of berseem [Egyptian clover]. 040922
Effect of doses of nitrogen fertilizers on *yield* and **quality** of apple tree seedlings. 041086
Effect of mineral fertilizer application dosage, dates and methods on the *yield* and **quality** of maize grain. 041121
Effect of mineral fertilizers on *yield* and **quality** of winter wheat. 041122
Effect of non-root nutrition supplements on *yield* and **quality** of cucumbers and tomatoes in hydroponic greenhouses of the southern Ukraine [Soilless culture]. 041124
Effect of plant density on *yield* and other **quantitative** characters of the Maricongo plantain (Musca acuminata X Musca balbisiana, AAB). 038390
Plant height, protein percentage, and *yield* **relationships** in spring wheat. 037393
Yield **response** of resistant and susceptible cucumber cultivars to scb infection [Cladosporium cucumerinum]. 038636
Pesticide concentrations and *yields* in **runoff** and sediment from a Mississippi Delta watershed. 041625
The transmission and effect on *yield* of **rye** grass mosaic virus in a filtered air environment. 038880
Sediment sources and *yields* from **sagebrush** [Artemisia] rangeland watersheds. 041383
Effect of fermentation on the **sapogenine** *yield* from seeds of Trigonella foenum graecum L. 037213
Erosion [on rangeland, forests and cropland] and **sediment** *yield* [to reservoirs] in New Mexico. 041179
Relation of erosion to **sediment** *yield* [Drainage basin]. 041379
Sediment *yield* from steep lands [forest slopes] in the driftless area [Watersheds]. 041385
Sediment *yields* from a Mississippi Delta watershed. 041386
Sources and **sediment** *yield* of Hawaiian watershed and coastal sediments. 041393
Variation and causative factors of **sediment** *yields* in the Arkansas River basin, Kansas. 041397
Seed *yield* and reproduction of perennials in Artemisia phytocoenoses in the Pamir. 036843
Effect of plant density and time of thinning on the *yield* of **seed** cotton and lint percentage of Egyptian cotton (Gossypium barbadense L.). 038185
Effect of spacing and phosphate fertiliser on forage and **seed** *yield* of Dolichos lablab var. lignosus [Hyacinth dolichos]. 040883
The effect of macronutrients and their dates of application on the cut flower and **seed** *yield* with summer asters [Callistephus chinensis]. 040941
Influence of the crop stand and fertilization on the *yield* of **selfed** maize lines. 038133
Fertilization, irrigation and *yield* of **sheep** pastures. 038057
Perennial grasses on peat-boggy **soils** *[Yields].* 038061
Productivity of forage plants on peat **soils** *[Yields].* 038063
Trace elements and the **soybean** *yield.* 041136
Effect of garlic bulb extract on flowering, sex ratio, and *yield* of **squash.** I. Effect of different fractions of partitioned garlic bulb extract on flowering in squash. 037688
Effect of garlic bulb extract on flowering, sex ratio, and *yield* of **squash.** II. Modulation of sex ratio by application of different fractions of garlic bulb extract. 037689
Effect of garlic bulb crude extract on flowering, sex ratio and *yield* of **squash.** 038291
High cropping standards and extensive reproduction of soil fertility, prerequisites for high and **stable** *yields* [Agronomy]. 038010
Evolution of agronomic techniques in Italy in the last ten years [Field crops, acreage, *yields,* **statistics].** 031764
Possibility of increasing the **sugar** *yield* by adding sulphur dioxide and calcium bisulphite during sugar extraction. 033312
Effect of sodium metasilicate (foliar application) on juice quality, fiber and *yield* of **sugar** in Co. 419 [variety]. 040984
Fumigation with D-D or Telone on soils prone to Docking disorder [root damage by the ectoparasitic nematodes Trichodorus and Longidorus]. I. Effects on *yield* of **sugarbeet** and subsequent barley crops. 038953
Stalk number and length as components of *yield* in **sugarcane** [Genetics]. 036634
Effect of soil applied pesticides on nitrogen nutrition and *yield* of **sugarcane.** 039552
Dredging extends northern agricultural area of Rio de Janeiro State **[Sugarcane** *yields].* 041361
Decisive methods to achieve high **sunflower** *yields.* 038108
Ultrasound effect on the growth, development and *yield* of **sunflower.** 038139
Effects of soil furrowing [on the *yield* of **sunflowers** and castorbeans under irrigation]. 041213
Setting up a new pine [Pinus] *yield* **table** in Litschau. 035520
Experimental results of a two-year comparative irrigation research program between the drip-method and the side infiltration method **[Tomato** *yields].* 041342
The effect of mineral fertilizers on apple **tree** *yield.* 041090
Two *yields* per year [Forage plants, pasture management]. 038065
The effect of [field] crop rotation on *yield* **variation** in the light of results from some long-term rotation experiments. 038071
Corn and grain sorghum performance tests, 1976 **[Varieties,** *yields].* 038141
Field crops performance tests cotton-forage crops summer annuals, peanuts-soybeans, tobacco, 1975 **[Varieties,** *yields].* 038142
Effect of agallol and telodrine on germination, telerering and *yield* of different **varieties** of sugarcane in UDIC soils of Jamuna Nagar. 039551
Effect of cycocel on growth, flowering and *yield* of **Vicia** faba L. [Broadbeans]. 037339

Influence of the tobacco mosaic virus (TMV), artificially inoculated, on *yields* of **Virginia** tobacco. 038938
Studies on the formation on vitamin D by sunlight irradiation of provitamin D. II. Correlation between *yield* of **vitamin** D2 in sunlight irradiated ergosterol solutions and sunlight intensity. 032465
The influence of Sclerotium rolfsii, mulches and season on dwarf bean (Phaseolus vulgaris) *yields* in **Western** Samoa. 038562
Desugarization of molasses increase of *yield* of **white** sugar. 033219
Training, *yield* and **wine** quality [Viticulture]. 038521
Frost resistance, winter hardiness and *yield* of **winter** wheat relative to its moisture and nutrition conditions. 037604
The effect of the way of soil tillage [on the *yield* of **winter** wheat]. 041214
Research concerning the production of cut anthuriums [Anthurium andreanum] in the South Holland glasshouse district, crop **year** 1974 *[Yield].* 038426
Effect of drainage conditions on nitrogen supply and *yield* of **young** loamy soils in the Ysselmeer polders [Barley]. 041437

YOGHURT

What's new with *yogurt* **fruits** and flavors and other cultured products. 032942
The continuous **manufacture** of *yogurt.* 033020
Yogurt **processing** methods. 032959

YOLKS

Surface distribution of the fatty acid side chains of phosphatidylethanolamine in mixed phospholipid vesicles [Hen **egg** *yolk].* 033813
Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the *yolk* **sac-serosal** membrane [Chicken eggs]. 033733

YOUNG

Dietary regulation of serum lipids in healthy, *young* **adults.** 032349
Increased bone mineral content in *young* **adults** with familial hypophosphatemic vitamin D refractory rickets. 032386
Dissipation and respiration temperature of *young* and **aged** leaves in the dark. 036918
Short-term studies of the uptake of nitrogen by *young* **apple** trees after soil application of ammonium nitrate. 037632
Soil composition in *young* **apple** orchards of the spur type. 040791
Soil temperature, soil moisture and the productivity of *young* **apple** trees as influenced by bitumen mulch. 040940
Young **bull** production economics and optimal weight decrease under different conditions [Costs]. 031515
Comparative study: carcass and meat characteristics in *young* **bulls** of the Campine Red Pied and Charolais breeds slaughtered at the age of 16 months. 033038
Fattening and slaughter performance results of German Black Pied young bulls as influenced by feeding intensity. 1. Fattening performance of *young* **bulls** under varying feeding intensities. 034323
Experience gained in the summer (outdoor) fattening of *young* **bulls.** 034497
The influence of different feeding intensities on the fattening and slaughter performance of *young* **bulls.** 034500
The risk of using *young* **bulls** as breeding animals. 034716
Effect of the rearing technique from birth to 8 months of age on the growth, feed efficiency, carcass and meat characteristics of *young* **Campine** Red Pied bulls slaughtered at 16-17 months. 033607
The effect of grass meal on metabolic processes in the body and on productivity of *young* **cattle.** 034523
Study on connection between behavior in open-field and emotivity in *young* **chickens.** 033743
The effect of teacher behaviors and food serving arrangements on *young* **children's** eating in a day care center. 032203
Production of *young* **[Chrysanthemum]** plants in the greenhouse—economic calculations [Costs]. 031458
Studies in soil physics and agrohydrology on the *young* **coastal** plain of Surinam, South America. 040839
Young **farmers** and the structure policy [Land tenure, inheritance, family farms]. 031092
Protein and caloric requirements of **fast-growing** *young* babies and their relationship to undernourished children. 032471
Quality and technical usefulness of wood harvested in the course of late cleaning [in *young* **forest** stands]. 035829
Comparative studies on the cells of nutritive tissue of the *young* **gall** Aulax glechomae L. on the Glechoma hederaceum L. And the cells of nutritive tissue left by the parasite. 039231
Controlling weeds in *young* **grapes.** 039164
Hepatic drug metabolizing enzymes and lipid peroxidation in *young* **growing** male rats during treatment with an organophosphorus insecticide take-20 (0,0-dimethyl malathion). 039550
Studies on male sheep investigating the feeding value of excreta from *young* **hens** and broilers. 034314
Substitution of lysine-supplemented high-protein wheat in protein feeds fed in the rearing and during the laying period of hens. 4. Graded lysine supplementation in the rearing of *young* **hens** as affecting performance characteristics in the laying period. 034319
Studies into stressor action on calf organism in the contest of adjustment after movement to **industrialised** *young* cattle breeding unit. 034108
Nutrient concentrations and interactions in *young* **leaves** of potato plants growing with and without tubers. 037631
Effect of drainage conditions on nitrogen supply and yield of *young* **loamy** soils in the Ysselmeer polders [Barley]. 041437
Lack of effect on blood lipid and calcium concentrations of *young* **men** on changing from white to wholemeal bread. 032184
Male sterility caused by cooling treatment at the *young* **microspore** stage in rice plants. XI. Effects of some substanceson sterility. 036620
Functional reproductive disturbances and fertility results in *young* and **old** sows of different gene constructions [Swine]. 034834
Changes in the metabolism of the shivering hind leg of the *young* **ox** during several days of continous cold exposure. 034158
Young **people** for agriculture and horticulture. Report of (a) an inquiry of 1,000 agricultural businesses; (b) and inquiry of 1400 students of agricultural and horticultural. 038406
Fattening and slaughter performance results of German Black **Pied** *young* bulls as influenced by feeding intensity. 1. Fattening performance of young bulls under varying feeding intensities. 034323
Soil testing as a guide to phosphorus fertilization of *young* **pine** plantations in the Coastal Plain. 040895
Appraisal of the growth and development of *young* **plantations** and thickets originating from the reconstruction of coniferous stands in the Upper Silesia and Cracow industrial regions. 035619
Conference of coordinators for the Project No. 11.2 "Fertilization of *young* **plantations** and forest stands" under the Council for Mutual Economic Assistance. 041103
Tetramethylputrescine from *young* **plants** of Ruellia rosea. 037178
Chemical forms of calcium in relation to the growth of *young* **plants** of maize. 037533
An attack of Schizophyllum commune Fr. On *young* **plants** of white poplar [Populus alba]. 038594
Verticillium wilt of strawberry. II. Study of the diffusion of the pathogen agent in the stolon tissues and in *young* **plants.** 038729
First stocking of an industrial dairy with pregnant heifers or *young* **proven** cows. 034833
The effect of low-calcium diet and vitamin D3 on acid-base balance in *young* **rabbits.** 032164
Beneficial effect of zinc supplementation in *young* **rats** fed protein concentrate from rapeseed or mustard. 032404
Metabolism of L-leucine-U-14C [carbon isotope] in *young* **rats** fed excess glycine diets. 034252
Observations on the development of Haemonchus contortus in *young* **sheep** given a single infection [an intestinal nematode]. 035182
Results obtained from histological uterus examination of *young* **sows** after heat synchronization, heat stimulation and synchronization of ovulation. 034751
Diurnal fluctuation of CO2 [carbon dioxide] release from the stem bark of **standing** *young* Pinus densiflora trees. 037923
Effect of improvement cutting of *young* **stands** of Pinus nigra caramanica on biological activity of soil. 035594
Air conditioning of *young* **swine** cages. 040314
Supplementing phosphorus to *young* **Thoroughbred** horses. 034478
Supply of *young* **trees** to the public [Forest nurseries]. 035629
The effect of oral contraceptives on plasma lipoproteins, cholesterol and tocopherol levels in *young* **women.** 032317

YOUTH

A *youth* **project** with a big heart [Conservation]. 041660
A policy on **[rural]** *youth.* 031863
A 'snow' job for **Utah** *youth* [Soil conservation]. 041198

YTTRIUM

90SR-90Y *[strontium-yttrium* **isotope]** dose distribution in Beagles: injection relative to ingestion [Dogs]. 033915
Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y [radium- and *strontium-yttrium* **isotope]-labeled** Beagle humeri [Dogs]. 033910

ZAGORA

Soil and ground water salination in the **Stara** *Zagora* irrigation system. 041401

ZANDER *see* FISH

ZARIA *see* MOLLUSKS

ZEA *see* MAIZE

ZEARALENONE

Metabolism of *zearalenone* by **Fusarium** roseum graminearum [Food, feed, contamination]. 032069

ZEBRA

Mechanical properties of some larval cuticles **[Agenius** *zebra,* Bombyx mori]. 039841
Predatory behavior of the *zebra* **spider,** Salticus scinicus (Araneae: Salticidae). 039665

ZETA

Spectral and chemical characterization of fungal [Sporormiaaffinis] **metabolite** *LL-N313zeta.* 037066

ZINC

Effect of accute infection and endotoxemia on *zinc* **absorption** in the rat. 032451
The role of *zinc* in the **activation** of the enzyme cellulase in termites [Microtermes tragardhi]. 039742
The change of the plastid apparatus per unit of leaf area and the yield of barley under various **application** of *zinc.* 040874
Fixation of iron and *zinc* **applied** as chelates into a soil column during leaching. 040762
Evaluation of analytical methods for estimating available zinc and response of maize to **applied** *zinc* in major soil series of Ludhiana, Punjab (India). 040866
Apply *zinc* to wheat. 041056
Evaluation of analytical methods for estimating **available** *zinc* and response of maize to applied zinc in major soil series of Ludhiana, Punjab (India). 040866
Correlation of vitamin A and *zinc* **concentration** of seminal plasma to fertility of bovine semen. 034454
Zinc **consumption** from the nutrient medium by the cultures of Trichosporon capitatum and Aspergillus niger [Fungi]. 037237
The ratio of *zinc* to **copper** in cholesterol-lowering diets. 032323
Structural organization and the pigment fund of the plastid apparatus of the unit of the leaf surface area and the productivity of flax under different conditions of *zinc* and **copper** nutrition. 037576
New compound may be answer to [plant] *zinc* **deficiencies.** 038950
Effects of *zinc* **deficiency** on the infant rat which are associated with abnormal adult behavior. 032275
Zinc **deficiency** in sickle cell disease. 032437
Zinc **deficiency** in California rice. 038966
Effect of *zinc* **depletion** on glucose tolerance [Rats, animalnutrition]. 034308
Importance of *zinc* and its **detection** in biological material [Animals, physiology]. 034231
The effect of **dietary** *zinc,* calcium and the previous zinc nutrition of the sow on growth of progeny. 034480
Effect of two levels of **dietary** *zinc* on reproductive performance of sows during five parities. 034793
The **essentiality** of *zinc.* 032454
Zinc **excretion** of lactating cows receiving varying levels of zinc. 034322
Femur *zinc,* magnesium, and calcium in rats fed Tower rapeseed (Brassica napus) protein concentrate. 032410
Lethal trait A46 **(hereditary** *zinc* deficiency) in Dutch Friesian cattle, a deficiency of cellular immunity? 035302
Zinc excretion of lactating cows receiving varying **levels** of *zinc.* 034322
Leucine aminopeptidase (bovine lens): Effect of pH [hydrogen-ion concentration] on the relative binding of ZN2+ and MG2+ *[zinc,* **magnesium** ions] to and on activation of the enzyme. 034041
Effect of iron, manganese, *zinc* and other **nutrients** on maize plants in pot experiments with calcareous Chernozem. 037532
Field studies on the magnesium, copper and *zinc* **nutrition** of maize [Soil testing]. 040664
The effect of dietary zinc, calcium and the **previous** *zinc* nutrition of the sow on growth of progeny. 034480
Hereditary influence on *zinc* **requirements** of mice. 034455
Anomaly content of lead and *zinc* in **soils** affected by the antropogenic factor. 040720
Influence of dietary carbohydrate on copper, iron, and *zinc* **status** of the rat. 032452
Determination of lead, cadmium, and *zinc* in **sugar** [for possible contamination]. 032066
Failure of supplemental zinc-proteinate, *zinc* **sulfate** and methionine to stimulate growth rate and feed efficiency of swine. 034470
Beneficial effect of *zinc* **supplementation** in young rats fed protein concentrate from rapeseed or mustard. 032404
Effect of *zinc* **supplementation** on rats during pregnancy. 032409
Use of silver and *zinc* to **trace** sewage sludge dispersal in coastal waters. 041476

ZINEB

Results of a cytogenetic investigation of workers exposed to the **fungicide** *zineb.* 039594

ZINFANDEL

Effect of time of application of potassium gibberellate on cluster development of *'Zinfandel'* **grapes.** 038531
Aging of wine: qualitative changes in the volatiles of *Zinfandel* **wine** during two years. 033321

ZINGIBER

Structure of zerumbone oxide, a new sesquiterpene epoxy ketone from *Zingiber* **zerumbet** Smith (wild ginger oil). 037750

ZINNIAS

Zinnia **elegans** Jacq.—the latent host of watermelon mosaic virus. 038896

ZONE

Ancient technics for modern agriculture in **arid** *zones.* 031382

Connection of the adaptive reaction to the conditions of the **arid** *zone* with the type of the concentration of potassium in sheep blood. 034181

The place of pulses in India with particular reference to the **arid** *zones.* 037970

Triticales in the south **central** *zone* of Chile [Yields]. 038153

Physical and biological interrelationships in a complex **coastal** *zone* [Sewage discharge]. 041581

Effect of Eucalyptus monoculture on the status of soil organic matter in natural sal (Shorea robusta) *zone* in **Doon** valley. 040658

Application of fertilizers on winter wheat fields in the **eastern** *zone* of the Krasnodar territory. 041132

On subzonal [vegetation] division of **forest** *zone* in the Tomsk region. 036181

Soil cover characteristics in the **forest** *zone* of West Siberian plain. 040951

Buckwheat [growing] in Ukrainian **forest-steppe** *zone.* 038189

A classification of hardy North American apple cultivars based on **hardiness** *zones* [Varieties]. 038299

On the soils of arid and **humid** *zones* of the tropical island of Sri Lanka. 040613

The prevention of the formation of shallow water and the utilization of diked lands in the *zone* of the **Krasnodar** Reservoir [for growing rice]. 041275

Landscape and flower culture in the prealpine **lake** *zone.* 038234

Cereal growing in the **Nonchernozem** *zone* of the RSFSR [Acreage, yields]. 031767

The reserves of reducing the production cost of reclamation work in the **Nonchernozem** *zone* [Drainage]. 041276

Entrance of 90 Sr [strontium isotope] into meadow grasses from different soils of the **Nonchernozemic** *zone* [Radioactive contamination]. 033567

Potassium forms in main soil types of the **plain** *zone* of Dagestan. 040738

The influence of pH [hydrogen-ion concentration] on the adsorption of phosphate by soils from the Guinea and Sudan **savannah** *zones* of Nigeria. 041046

The role of **stem** *zones* of different tiers in the flowering of plants of the photoperiodically neutral species [Tobacco]. 037401

Dying out of oak stands in the **steppe** *zone* of the Ukraine at the end of the sixities and beginning of the seventies. 035492

Soils of forest-steppe and **steppe** *zones.* 040715

Effect of erosion processes on organic substances of Chestnut soils in **submontane** *zone* of the Great Caucasus within Azerbaijan SSR. 041186

Forestry and wildlife conservation in the **temperate** *zone.* 1. General characteristics of forests and wildlife habitats and considerations for their conservation. 035521

ZONING

Beehive locations and *zoning* **regulations.** II. 040184

About the major changes in the **varietal** *zoning* of grain legumes [Peas, kidney beans, chick-peas]. 038535

ZOOGEOGRAPHY

On ecological and *zoogeographical* **characteristics** of beetles of the family Coccinellidae (Coleoptera) on the left-bank (eastern) Ukraine. 040071

Two new to USSR fauna genera of Oniscomorpha (Diplopoda), found in Transcaucasia and their *zoogeographical* **connections.** 040179

ZOONOSES

1974 review of **rabies** *[Zoonoses].* 034974

ZOOPLANKTON

Some effects of agricultural development and fluctuations in water level on the phytoplankton productivity and *zooplankton* of a **New** Zealand reservoir [Eutrophication]. 041522

ZOOTECHNICS

European Federation of *Zootechny,* 25th **annual** meeting (August 17-21, 1974), Copenhagen, Denmark. 16th session of the Genetics Commission. 034569

ZOOTERMOPSIS

Endocrine activity during caste differentiation in *Zootermopsis* **angusticollis** Hagen (Isoptera): a morphometric and autoradiographic study. 039661

Endocrine control of caste differentiation in *Zootermopsis* **angusticollis** Hagen (Isoptera). 039662

ZUCCHINI

Zucchini **squash** [Recipes]. 032445

ZYGAENA

Zygaena **orana** in western Algeria, with the description of anew subspecies Zygaena orana tafnae [Lepidoptera, Zygaenidae). 040079

ZYGAENIDAE

Zygaena orana in western Algeria, with the description of anew subspecies Zygaena orana tafnae **[Lepidoptera,** *Zygaenidae).* 040079

ZYGOTE

Electron-microscopic study of chloroplasts in *zygotes* of **Chlamydomonas** reinhardi [Algae]. 036540

The restriction of the recombination of mitochondrial DNA molecules in the *zygotes* of **Saccharomyces** cerevisiae [Yeasts]. 036593

Content of RNA and sulfhydryl-groups in **swine** *zygotes* during natural ovulation and hormonal stimulation. 034806


U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
BOUND BY HM